

SUPPLEMENTARY TABLES

付 録 表

FOR

RERF TR 12-80

RERF TR 5-81

LIFE SPAN STUDY REPORT 9

寿 命 調 査 第 9 報

1950 — 78

SUPPLEMENTARY TABLES

付 録 表



RADIATION EFFECTS RESEARCH FOUNDATION

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In the continued interest of accurately defining the late effects of the atomic bombs, the qualitative and quantitative characteristics of the A-bomb radiation exposure doses are periodically refined. If warranted by future dose assessments, the data reported here will be reanalyzed and subsequently reported.

原爆の後影響を引き続いて正確に究明する目的をもって、原爆放射線被曝線量の質的・量的特質について定期的に改良を加えている。今後の線量評価によってその必要性が起これば、本報の資料を再解析の上、改めて報告する。

LIFE SPAN STUDY REPORT 9

寿命調査 第9報

The RERF Life Span Study Report 9 consists of three parts and Supplementary Tables, each bound separately.

Part 1 (Technical Report 12-80) Cancer Mortality among Atomic Bomb Survivors, 1950-78. Kato H, Schull WJ. This study extends LSS Report 8 by four years from 1975 to 1978. Leukemia as a cause of death among survivors has continued to decrease. For cancer other than leukemia the increase in absolute risk has become more marked as the cohort has aged. In addition to previously demonstrated sites (lung, breast, stomach, esophagus, and urinary tract) colon cancer and multiple myeloma can now be shown to be related to exposure, but no relationship to radiation can as yet be established for malignant lymphoma and rectum, pancreas, and uterine cancer.

The time from exposure to death is shortened for leukemia depending on dose but not for other cancers, and radiation-induced cancers other than leukemia seem to develop proportionally to the natural cancer rate for the attained age. For specific age-at-death intervals, both relative and absolute risks tend to be higher for younger age-at-time-of-bomb individuals.

Part 2 (Technical Report 5-81) Mortality from Causes Other than Cancer among Atomic Bomb Survivors, 1950-78. Kato H, Brown CC, Hoel DG, Schull WJ. Deaths in the LSS sample have been determined for the 4 years from 1975 to 1978 and mortality examined for the 28 years since 1950. In this report the authors examine whether mortality from causes other than cancer is increased or whether a nonspecific acceleration of aging occurs.

Cumulative mortality from causes other than cancer, estimated by the life table method, does not increase with radiation dose in either city, in either sex, or in any of the five different age-at-time-of-bomb groups.

No specific cause of death, other than cancer, exhibits a significant relationship with atomic bomb exposure. Thus there is still no evidence of a nonspecific acceleration of aging due to radiation in this cohort.

Mortality before the LSS sample was established has been reanalyzed using three supplementary mortality surveys to determine the magnitude of the possible bias from the exclusion of deaths prior to 1950. It is unlikely that such a bias seriously affects the interpretation of the radiation effects observed in the cohort after 1950.

No excess of deaths from leukemia or other malignant tumors is observed for the early entrants in this cohort.

放射線寿命調査第9報は第1部、第2部、第3部及び付録表から成り、別々に製本した。

第1部 (TR 12-80) 原爆被爆者における癌死亡率、1950-78年。加藤寛夫, Schull WJ.

本調査は寿命調査第8報に1975-78年の4年間の資料を追加したものである。被爆者の死因の一つである白血病は引き続き減少している。白血病以外の癌の絶対危険度の増加は、対象集団の高齢化とともに顕著になってきている。前報で明らかにした肺癌、乳癌、胃癌、食道癌、泌尿器癌に加えて、今回の解析で、結腸癌と多発性骨髄腫も放射線被曝と関連のあることが証明できたが、悪性リンパ腫、直腸癌、膵臓癌及び子宮癌については、放射線との関係は今のところ認められない。

被曝から死亡までの期間は白血病については高線量になるに従って短縮されているが、他の癌についてはこの傾向は見られず、白血病以外の放射線誘発癌はその年齢における癌の自然発生率に比例して発現するものと思われる。死亡時年齢群別に見ると、相対危険度と絶対危険度の双方とも被曝時年齢の若い者ほど高い傾向がある。

第2部 (TR 5-81) 原爆被爆者における癌以外の死因による死亡率、1950-78年。加藤寛夫, Brown CC, Hoel DG, Schull WJ.

1975-78年の4年間に於ける寿命調査対象者中の死亡数を調べ、1950年以後の28年間の死亡率を算定した。本報では癌以外の死因による死亡率が増加しているかどうか、すなわち、放射線による非特異的な加齢促進が起こるかどうかを調べた。

生命表方法によって推定した癌以外の死因による累積死亡率は、両市、男女及び五つの被曝時年齢群のいずれにおいても、放射線量に伴う増加は認められなかった。

癌以外の特定死因で、原爆被爆との有意な関係を示すものは見られない。したがってこの集団では、現在までのところ放射線による非特異的な加齢促進は認められない。

1950年以前の死亡の除外による偏りの大きさを求めるために、三つの補足的死亡率調査を使用して、寿命調査の調査開始(1950年)以前の死亡率を再解析した。この偏りは、1950年以後に調査対象に認められた放射線影響の解釈に重大な影響を及ぼすとは思われない。

この調査対象中の早期入市者には、白血病又はその他の悪性腫瘍による死亡の増加は認められていない。

Part 3 (Technical Report 6-81) Nagasaki Tumor Registry Data, 1959-78. Wakabayashi T, Kato H, Ikeda T, Schull WJ.

The incidence of malignant tumors in the LSS sample in Nagasaki as revealed by the Nagasaki Tumor Registry has been investigated and reported for the period 1959-78.

No exposure status bias in data collection has been revealed. Neither method of diagnosis nor reporting hospitals nor the frequency of doubtful cases differ by exposure dose.

The risk of radiogenic cancer definitely increases with radiation dose for leukemia, cancer of the breast, lung, stomach, and thyroid, and increases suggestively for cancer of the colon and urinary tract and multiple myeloma. However, there is no increase as yet for cancer of the esophagus, liver, gall bladder, uterus, ovary, or salivary gland, or malignant lymphoma.

In general, the relative risk based on incidence (that is, on tumor registry data) is either the same or somewhat higher than that based on mortality for the same period; however, the absolute risk estimates (excess cancer per million person-year rad) are far higher.

Since A-bomb radiation in Nagasaki consisted essentially of gamma rays, the present report provides a good opportunity to examine the shape of the dose-response curve for gamma exposure. Unfortunately, statistically, one cannot actually distinguish one model from another among a simple linear, quadratic, or linear-quadratic response. Further data are obviously necessary.

LSS Report 9 Supplementary Tables (Supplement to TR 12-80 and TR 5-81)

The supplementary tables are computer printouts containing the LSS data from 1950-78. These tables are pertinent only to Part 1 and Part 2 of LSS Report 9.

第3部 (TR 6-81) 長崎腫瘍登録資料, 1959-78年. 若林俊郎, 加藤寛夫, 池田高良, Schull WJ.

長崎腫瘍登録資料を利用して, 1959-78年の長崎の寿命調査対象者における悪性腫瘍の発生率を調査し報告した.

被爆状態による資料収集上の偏りは認められなかった. 診断方法, 症例を報告する病院, 診断不確実な症例の頻度のいずれも被曝線量による差異はない.

放射線誘発癌についてみると, 白血病, 乳癌, 肺癌, 胃癌及び甲状腺癌の危険度は線量とともに明らかに増加し, 結腸癌, 泌尿器癌及び多発性骨髄腫ではその増加は示唆的である. しかし, 食道癌, 肝癌, 胆嚢癌, 子宮癌, 卵巣癌, 唾液腺腫瘍, 及び悪性リンパ腫については現在までのところ線量の増加による危険度の増加は認められない.

一般的に, 発生率 (すなわち腫瘍登録資料) に基づく相対危険度は, 同一期間の死亡率に基づくものと比べると, 同程度かあるいはわずかに高目である. しかし, 絶対危険度の推定値 (100万人年 rad 当たりの過剰癌) は腫瘍登録の方がはるかに高い.

長崎の原爆放射線は主としてガンマ線であったため, 本調査はガンマ線被曝の線量反応曲線の形を検討する好機を提供した. 残念ながら, 反応が単純な線形, 二次あるいは線形-二次のどのモデルが良いかを統計的には区別することはできない. 更に資料の蓄積が必要であることは明らかである.

寿命調査第9報付録表 (TR 12-80及びTR 5-81への補遺) 付録表は1950-78年の寿命調査資料をコンピューターで製表したもので, 寿命調査第9報第1部及び第2部のみに関係がある.

Life Span Study Report 9

寿命調査 第9報

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TABLE 1

TABLE 1

TABLE 1

TABLE 1 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSONS
AS OF OCTOBER 1, 1950 HIROSHIMA + NAGASAKI

		T-65 TOTAL DOSE IN RAD									
AGE ATB	TOTAL	NIC	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	UNK
MALE + FEMALE											
ALL AGES	108760	26518	31581	23073	14942	4225	3128	1381	639	887	2386
0-9	20578	5014	6039	4603	3093	731	401	204	84	134	275
10-19	23921	5974	6514	5201	2774	886	927	431	188	237	789
20-34	22112	5671	6220	4536	2894	905	661	314	156	209	546
35-49	25265	6162	7493	5068	3673	1021	734	288	144	208	474
50+	16884	3697	5315	3665	2508	682	405	144	67	99	302
MALE											
ALL AGES	45496	11143	13087	9884	5890	1684	1385	601	270	423	1127
0-9	10127	2461	2986	2246	1546	360	188	105	43	64	128
10-19	10466	2647	2799	2551	1111	342	371	167	70	126	282
20-34	6228	1648	1717	1250	703	237	224	122	53	57	217
35-49	10739	2717	3104	2107	1383	438	368	133	70	111	308
50+	7936	1670	2481	1732	1147	307	234	74	34	65	192
FEMALE											
ALL AGES	63264	15375	18494	13187	9052	2541	1743	780	369	464	1259
0-9	10451	2593	3053	2357	1567	371	213	99	41	70	147
10-19	13455	3327	3715	2650	1663	544	556	264	118	111	507
20-34	15884	4023	4503	3286	2191	668	437	192	103	152	329
35-49	14526	3645	4389	2961	2290	583	366	155	74	97	166
50+	8948	2027	2834	1933	1361	375	171	70	33	34	110

TABLE 1

TABLE 1

TABLE 1 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSONS
AS OF OCTOBER 1, 1950 HIROSHIMA

AGE ATB	TOTAL	T-65 TOTAL DOSE IN RAD									
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	UNK
MALE + FEMALE											
ALL AGES	82081	20170	27577	15933	10911	2783	1740	659	369	510	1429
0-9	14884	3678	5208	2966	2038	457	228	100	44	58	107
10-19	16311	4192	5338	3244	1885	454	364	149	109	132	444
20-34	16921	4325	5435	3271	2194	609	361	148	85	132	361
35-49	20226	4972	6732	3705	2871	745	504	171	86	123	317
50+	13739	3003	4864	2747	1923	518	283	91	45	65	200
MALE											
ALL AGES -	33771	8271	11261	6935	4226	1027	763	282	144	237	625
0-9	7367	1824	2589	1443	1023	229	100	49	22	29	59
10-19	7142	1860	2315	1653	729	162	147	65	38	69	104
20-34	4563	1188	1424	941	535	130	107	50	26	35	127
35-49	8325	2093	2700	1569	1069	283	238	71	35	61	206
50+	6374	1306	2233	1329	870	223	171	47	23	43	129
FEMALE											
ALL AGES	48310	11899	16316	8998	6685	1756	977	377	225	273	804
0-9	7517	1854	2619	1523	1015	228	128	51	22	29	48
10-19	9169	2332	3023	1591	1156	292	217	84	71	63	340
20-34	12358	3137	4011	2330	1659	479	254	98	59	97	234
35-49	11901	2879	4032	2136	1802	462	266	100	51	62	111
50+	7365	1697	2631	1418	1053	295	112	44	22	22	71

TABLE 1

TABLE 1

TABLE 1 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSONS
AS OF OCTOBER 1, 1950 NAGASAKI

AGE ATB	TOTAL	T-65 TOTAL DOSE IN RAD									
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	UNK
MALE + FEMALE											
ALL AGES	26679	6348	4004	7140	4031	1442	1388	722	210	377	957
0-9	5694	1336	831	1637	1055	274	173	104	40	76	168
10-19	7610	1782	1176	1957	889	432	563	282	79	105	345
20-34	5191	1346	785	1265	700	296	300	166	71	77	185
35-49	5039	1190	761	1363	802	276	230	117	54	85	157
50+	3145	694	451	918	585	164	122	53	22	34	102
MALE											
ALL AGES	11725	2872	1826	2951	1664	657	622	319	126	186	502
0-9	2760	637	397	803	523	131	88	56	21	35	69
10-19	3324	787	484	894	382	180	224	102	32	57	178
20-34	1665	460	293	309	168	107	117	72	27	22	90
35-49	2414	624	404	538	314	155	130	62	34	50	102
50+	1562	364	248	403	277	84	63	27	11	22	63
FEMALE											
ALL AGES	14954	3476	2178	4189	2367	785	766	403	144	191	455
0-9	2934	699	434	834	532	143	85	48	19	41	99
10-19	4286	995	692	1059	507	252	339	180	47	48	167
20-34	3526	886	492	954	532	189	183	94	46	55	95
35-49	2625	566	357	825	488	121	100	55	23	35	55
50+	1583	330	203	515	308	80	59	26	11	12	39

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 HIROSHIMA + NAGASAKI, ALL AGES

YEAR	TOTAL	T65 TOTAL DOSE IN RAD										400+	UNK
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399				
MALE + FEMALE													
TOTAL	2622028	626935	764399	561218	361769	102843	76573	34420	15730	21145	56996		
1950-78	419481	76471	131541	96346	62406	17725	13054	5824	2684	3687	9743		
1950-54	419481	76471	131541	96346	62406	17725	13054	5824	2684	3687	9743		
1955-58	411943	102231	118727	87085	56352	16079	11819	5307	2428	3298	8617		
1959-62	394576	98329	113507	83293	53817	15448	11376	5099	2337	3151	8319		
1963-66	377026	94164	108471	79387	51336	14578	10873	4928	2238	3017	8034		
1967-70	358769	89851	103174	75507	48651	13794	10357	4689	2128	2859	7759		
1971-74	339769	85196	97486	71736	45966	13007	9819	4442	2017	2661	7439		
1975-78	320464	80793	91493	67864	43241	12212	9275	4131	1898	2472	7085		
MALE													
TOTAL	1059015	258622	303237	232189	137281	39588	32256	14528	6339	9594	25381		
1950-78	177498	34925	54162	41134	24515	7060	5734	2538	1134	1744	4552		
1950-54	169743	42560	48242	36791	21841	6360	5120	2308	1016	1550	3955		
1955-58	160782	40545	45549	34836	20578	6053	4873	2180	953	1459	3756		
1959-62	151729	38499	42914	32798	19402	5615	4577	2082	894	1364	3584		
1963-66	142367	36325	40173	30750	18180	5206	4282	1955	829	1273	3394		
1967-70	133012	33959	37468	28835	16982	4828	3982	1817	788	1164	3189		
1971-74	123884	31809	34729	27045	15783	4466	3688	1648	725	1040	2951		
1975-78	1563013	368313	461162	329029	224488	63255	44317	19892	9391	11551	31615		
1950-78	241983	41546	77379	55212	37891	10665	7320	3286	1550	1943	5191		
1950-54	241983	41546	77379	55212	37891	10665	7320	3286	1550	1943	5191		
1955-58	242200	59671	70485	50294	34511	9719	6699	2999	1412	1748	4662		
1959-62	233794	57684	67958	48457	33239	9395	6503	2919	1384	1692	4563		
1963-66	225297	55665	65557	46589	31934	8963	6296	2846	1344	1653	4450		
1967-70	216402	53526	63001	44757	30471	8588	6075	2734	1299	1586	4365		
1971-74	206757	51237	60018	42901	28984	8179	5837	2625	1229	1497	4250		
1975-78	196580	48984	56764	40819	27458	7746	5587	2483	1173	1432	4134		

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 HIROSHIMA + NAGASAKI, AGE ATB 0-9

YEAR	TOTAL	T65 TOTAL DOSE IN RAD											UNK
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399	400+			
MALE + FEMALE													
TOTAL	568215	135278	168304	128125	86187	20212	11076	5537	2335	3515	7646		
1950-78	82740	16721	25631	19534	13122	3090	1693	865	358	561	1165		
1950-54	81845	19990	24038	18312	12290	2891	1580	812	333	507	1092		
1955-58	81480	19923	23934	18216	12247	2867	1576	794	332	500	1091		
1959-62	81112	19806	23829	18154	12206	2855	1569	783	332	491	1087		
1963-66	80749	19696	23730	18081	12166	2846	1558	772	331	488	1081		
1967-70	80349	19615	23624	17971	12107	2835	1552	765	325	484	1071		
1971-74	79940	19527	23518	17857	12049	2828	1548	746	324	484	1059		
1975-78													
MALE													
TOTAL	278651	66229	82877	62237	43013	9908	5217	2784	1176	1701	3509		
1950-78	40820	8300	12668	9535	6559	1520	800	443	183	272	540		
1950-54	40244	9794	11869	8932	6142	1425	744	416	169	249	504		
1955-58	40008	9751	11798	8870	6122	1410	740	402	168	244	503		
1959-62	39759	9685	11729	8820	6095	1399	736	392	168	236	499		
1963-66	39528	9619	11668	8767	6068	1391	733	384	167	236	495		
1967-70	39274	9568	11608	8694	6026	1383	732	381	161	232	489		
1971-74	39018	9512	11537	8619	6001	1380	732	366	160	232	479		
1975-78													
FEMALE													
TOTAL	289564	69049	85427	65888	43174	10304	5859	2753	1159	1814	4137		
1950-78	41920	8421	12963	9999	6563	1570	893	422	175	289	625		
1950-54	41601	10196	12169	9380	6148	1466	836	396	164	258	588		
1955-58	41472	10172	12136	9346	6125	1457	836	392	164	256	588		
1959-62	41353	10121	12100	9334	6111	1456	833	391	164	255	588		
1963-66	41221	10077	12062	9314	6098	1455	825	388	164	252	586		
1967-70	41075	10047	12016	9277	6081	1452	820	384	164	252	582		
1971-74	40922	10015	11981	9238	6048	1448	816	380	164	252	580		
1975-78													

TABLE 2

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 HIROSHIMA + NAGASAKI, AGE ATB 10-19

YEAR	TOTAL	T65 TOTAL DOSE IN RAD										
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	UNK	
MALE + FEMALE TOTAL												
1950-78	646308	157158	177060	141976	76002	24378	25280	11685	5079	6371	21319	
1950-54	94149	18271	27487	22021	11760	3756	3931	1823	790	999	3311	
1955-58	94136	23580	25510	20515	10951	3506	3663	1696	731	931	3053	
1959-62	93279	23419	25226	20322	10863	3487	3611	1673	726	921	3031	
1963-66	92573	23280	25050	20123	10780	3457	3580	1656	722	911	3014	
1967-70	91756	23089	24655	19930	10670	3425	3541	1635	720	897	2994	
1971-74	90770	22844	24623	19672	10561	3396	3503	1613	709	871	2978	
1975-78	89645	22675	24309	19393	10417	3351	3451	1589	681	841	2938	
MALE TOTAL												
1950-78	280477	69354	75367	68920	30322	9323	10033	4534	1874	3312	7438	
1950-54	41521	8488	11806	10799	4709	1446	1571	706	293	528	1175	
1955-58	41019	10402	10910	10032	4378	1347	1452	661	272	491	1074	
1959-62	40561	10309	10764	9917	4339	1339	1429	651	270	481	1062	
1963-66	40166	10224	10672	9784	4305	1324	1421	644	266	471	1055	
1967-70	39694	10107	10565	9652	4257	1304	1405	638	264	464	1038	
1971-74	39082	9951	10417	9467	4198	1298	1387	626	261	449	1028	
1975-78	38434	9873	10233	9269	4136	1265	1368	608	248	428	1006	
FEMALE TOTAL												
1950-78	365831	87804	101693	73056	45680	15055	15247	7151	3205	3059	13881	
1950-54	52628	9783	15681	11222	7051	2310	2360	1117	497	471	1536	
1955-58	53117	13178	14600	10483	6573	2159	2211	1035	459	440	1779	
1959-62	52718	13110	14462	10405	6524	2148	2182	1022	456	440	1969	
1963-66	52407	13056	14378	10339	6475	2133	2159	1012	456	440	1959	
1967-70	52062	12982	14290	10278	6413	2121	2136	997	456	433	1956	
1971-74	51688	12893	14206	10205	6363	2098	2116	987	448	422	1950	
1975-78	51211	12802	14076	10124	6281	2086	2083	961	433	413	1932	

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 HIROSHIMA + NAGASAKI, AGE ATB 20-34

YEAR	TOTAL	165 TOTAL DOSE IN RAD										
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	UNK	
FEMALE												
TOTAL	585055	147716	166285	120521	76950	24112	17481	8229	4197	5426	14138	
1950-78	87794	18502	26235	19123	12188	3824	2777	1326	662	881	2276	
1950-54	86587	22435	24337	17697	11276	3553	2571	1219	615	807	2077	
1955-58	85411	22156	24045	17416	11126	3498	2534	1200	608	785	2043	
1959-62	84108	21857	23717	17093	10959	3440	2483	1186	601	773	1999	
1963-66	82513	21474	23265	16764	10743	3364	2447	1148	586	752	1970	
1967-70	80524	20931	22720	16426	10466	3278	2380	1106	572	728	1917	
1971-74	78118	20361	21966	16002	10192	3155	2289	1044	553	700	1856	
1975-78												
MALE												
TOTAL	161408	45100	44416	32176	18127	6149	5700	3139	1418	1536	5447	
1950-78	26040	6804	7217	5251	2955	996	938	516	223	241	899	
1950-54	24118	6475	6626	4825	2703	918	859	473	208	224	807	
1955-58	23660	6366	6535	4691	2603	895	835	460	205	224	786	
1959-62	23136	6244	6391	4568	2597	876	807	458	204	220	771	
1963-66	22437	6076	6174	4418	2506	859	792	440	197	220	755	
1967-70	21539	5798	5910	4292	2409	820	765	413	196	210	726	
1971-74	20478	5537	5563	4131	2294	785	704	379	185	197	703	
1975-78												
FEMALE												
TOTAL	423647	104416	121869	88345	58823	17963	11781	5090	2779	3890	8691	
1950-78	61754	11698	19018	13872	9233	2828	1839	810	439	640	1377	
1950-54	62469	15960	17711	12872	8573	2635	1712	746	407	583	1270	
1955-58	61751	15790	17510	12725	8463	2603	1699	740	403	561	1257	
1959-62	60972	15613	17326	12525	8362	2564	1676	728	397	553	1228	
1963-66	60076	15398	17091	12346	8237	2505	1655	708	389	532	1215	
1967-70	58985	15113	16610	12134	8057	2458	1615	693	376	518	1191	
1971-74	57640	14824	16403	11871	7898	2370	1585	665	368	503	1153	
1975-78												

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 HIROSHIMA + NAGASAKI, AGE ATB 35-49

YEAR	TOTAL	NIC	T65 TOTAL DOSE IN RAD										400+	UNK
			0	1-9	10-49	50-99	100-199	200-299	300-399					
MALE + FEMALE														
TOTAL	583671	137102	176148	118614	86013	23841	17166	6697	3132	4570	10388			
1950-78	94843	15115	31264	21172	15342	4281	3075	1215	605	860	1914			
1950-54	95807	23755	28256	19182	13862	3894	2775	1092	541	774	1676			
1955-58	91446	22798	26988	18277	13164	3715	2673	1038	492	723	1578			
1959-62	86437	21593	25612	17195	12472	3464	2508	979	444	679	1491			
1963-66	79859	19949	23761	15810	11568	3175	2303	899	401	613	1380			
1967-70	72120	18003	21471	14378	10472	2834	2046	806	351	509	1250			
1971-74	63159	15889	18796	12600	9133	2478	1786	668	298	412	1099			
1975-78														
MALE														
TOTAL	233953	57962	68179	46301	30361	9597	8249	2922	1367	2224	6791			
1950-78	41075	7708	12894	8770	5766	1839	1530	562	295	451	1260			
1950-54	40077	10310	11500	7845	5136	1654	1371	495	258	398	1110			
1955-58	37650	9732	10791	7389	4775	1552	1318	470	220	364	1039			
1959-62	34799	9055	10001	6778	4416	1398	1218	431	188	332	982			
1963-66	31035	8136	8910	5992	3974	1220	1082	380	159	283	899			
1967-70	26898	7071	7697	5185	3455	1053	935	326	138	228	810			
1971-74	22419	5950	6386	4342	2839	881	795	258	109	168	691			
1975-78														
FEMALE														
TOTAL	349718	79140	107969	72313	55652	14244	8917	3775	1765	2346	3597			
1950-78	53768	7407	18370	12402	9576	2642	1545	653	310	409	654			
1950-54	55730	13445	16756	11337	8726	2240	1404	597	283	376	566			
1955-58	53796	13066	16197	10888	8389	2163	1355	568	272	359	539			
1959-62	51638	12538	15611	10417	8056	2066	1290	548	256	347	509			
1963-66	48824	11813	14851	9818	7594	1955	1221	519	242	330	481			
1967-70	45222	10932	13774	9193	7017	1781	1111	480	213	281	440			
1971-74	40740	9939	12410	8258	6294	1597	991	410	189	244	408			
1975-78														

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 HIROSHIMA + NAGASAKI, AGE ATB 50+

YEAR	TOTAL	NIC	0	1-9	T65 TOTAL DOSE IN RAD											400+	UNK
					10-49	50-99	100-199	200-299	300-399								
MALE + FEMALE																	
TOTAL	238779	49681	76602	51982	36617	10300	5570	2272	987	1263	3505						
1950-78	59555	7862	20924	14496	9994	2774	1578	595	269	386	1077						
1950-54	53568	12471	16586	11379	7973	2235	1230	488	208	279	719						
1955-58	42960	9933	13314	9062	6417	1881	982	394	179	222	576						
1959-62	32796	7628	10263	6822	4919	1362	733	324	139	163	443						
1963-66	23892	5643	7563	4922	3504	984	508	235	90	109	334						
1967-70	16006	3803	5048	3289	2360	664	338	152	60	69	223						
1971-74	9602	2341	2904	2012	1450	400	201	84	42	35	133						
1975-78																	
MALE																	
TOTAL	104526	21777	32398	22555	15458	4611	3057	1149	504	821	2196						
1950-78	28042	3625	9577	6779	4526	1259	895	311	140	252	678						
1950-54	24285	5579	7337	5157	3482	1016	694	263	109	188	460						
1955-58	18903	4387	5661	3969	2679	857	551	197	90	146	366						
1959-62	13869	3291	4121	2848	1989	618	395	157	68	105	277						
1963-66	9673	2387	2856	1921	1375	432	270	113	42	70	207						
1967-70	6219	1571	1836	1197	894	274	163	71	32	45	136						
1971-74	3535	937	1010	684	513	155	89	37	23	15	72						
1975-78																	
FEMALE																	
TOTAL	134253	27904	44204	29427	21159	5689	2513	1123	483	442	1309						
1950-78	31913	4237	11347	7717	5468	1515	683	284	129	134	399						
1950-54	29283	6892	9249	6222	4491	1219	536	225	99	91	259						
1955-58	24057	5546	7653	5093	3738	1024	431	197	89	76	210						
1959-62	18927	4337	6162	3974	2930	744	338	167	71	58	166						
1963-66	14219	3256	4707	3001	2129	552	238	122	48	39	127						
1967-70	9787	2232	3212	2092	1466	390	175	81	28	24	87						
1971-74	6067	1404	1894	1328	937	245	112	47	19	20	61						
1975-78																	

TABLE 2

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 HIROSHIMA, ALL AGES

YEAR	TOTAL	T65 TOTAL DOSE IN RAD										400+	UNK
		MIC	0	1-9	10-49	50-99	100-199	200-299	300-399				
MALE + FEMALE													
TOTAL	1961965	468263	665245	385868	263563	66671	41435	16059	8883	12195	33803		
1950-78	307991	49874	114844	66499	45603	11670	7233	2782	1545	2141	5800		
1950-54	310848	78007	103626	60055	41191	10539	6501	2521	1390	1922	5096		
1955-58	297254	74835	98944	57377	39311	10071	6213	2404	1333	1834	4932		
1959-62	283452	71648	94407	54577	37426	9421	5888	2307	1260	1750	4768		
1963-66	269262	68324	89644	51817	35412	8877	5557	2170	1191	1646	4624		
1967-70	254286	64581	84568	49149	33387	8330	5189	2031	1120	1520	4411		
1971-74	238872	60994	79212	46374	31233	7763	4854	1844	1044	1382	4172		
1975-78													
MALE													
TOTAL	777403	188870	259702	161604	97689	23621	16930	6628	3271	5370	13718		
1950-78	128600	22907	46569	28832	17573	4306	3129	1196	602	988	2498		
1950-54	125726	31707	41439	25721	15630	3850	2747	1079	535	875	2143		
1955-58	118761	30136	39073	24286	14691	3635	2584	1004	497	818	2039		
1959-62	111753	28579	36731	22805	13796	3343	2397	942	454	763	1943		
1963-66	104688	26981	34322	21348	12893	3083	2208	871	422	715	1845		
1967-70	97493	25131	31982	19964	12011	2829	2013	811	399	648	1705		
1971-74	90382	23431	29586	18648	11095	2575	1852	725	362	563	1545		
1975-78													
FEMALE													
TOTAL	1184562	279393	405543	224244	165874	43050	24505	9431	5612	6825	20085		
1950-78	179391	26967	68275	37667	28030	7364	4104	1586	943	1153	3302		
1950-54	185122	46300	62187	34334	25561	6689	3754	1442	855	1047	2953		
1955-58	178493	44701	59871	33091	24620	6436	3629	1400	836	1016	2893		
1959-62	171699	43069	57676	31772	23630	6078	3491	1365	806	987	2825		
1963-66	164574	41343	55322	30469	22519	5794	3349	1299	769	931	2779		
1967-70	156793	39450	52586	29185	21376	5501	3176	1220	721	872	2706		
1971-74	148490	37563	49626	27726	20138	5188	3002	1119	682	819	2627		
1975-78													

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 HIROSHIMA, AGE ATB 0-9

YEAR	TOTAL	T65 TOTAL DOSE IN RAD										400+	UNK
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399				
MALE + FEMALE													
TOTAL	410285	98082	145333	82644	56834	12690	6255	2734	1205	1553	2955		
1950-78	58591	11055	22110	12583	8642	1932	958	425	188	247	451		
1950-54	59246	14666	20754	11806	8096	1814	892	400	173	225	420		
1955-58	58994	14608	20665	11750	8072	1802	891	392	172	222	420		
1959-62	58744	14529	20578	11717	8045	1795	885	384	172	219	420		
1963-66	58520	14459	20502	11673	8024	1790	881	384	171	216	420		
1967-70	58243	14412	20411	11593	7996	1781	876	380	165	212	417		
1971-74	57947	14353	20313	11522	7959	1776	872	369	164	212	407		
1975-78													
MALE													
TOTAL	202269	48530	71929	40021	28463	6308	2785	1305	583	746	1599		
1950-78	29110	5598	10987	6124	4337	966	426	208	94	123	247		
1950-54	29282	7258	10302	5740	4062	906	396	196	85	109	228		
1955-58	29112	7219	10239	5703	4053	897	395	188	84	106	228		
1959-62	28947	7176	10181	5678	4033	891	392	180	84	104	228		
1963-66	28789	7126	10133	5643	4013	887	392	180	83	104	228		
1967-70	28789	7096	10077	5589	3989	881	392	180	77	100	225		
1971-74	28606	7057	10010	5544	3976	880	392	173	76	100	215		
1975-78	28423												
FEMALE													
TOTAL	208016	49552	73404	42623	28371	6382	3470	1429	622	807	1356		
1950-78	29481	5457	11123	6459	4305	966	532	217	94	124	204		
1950-54	29964	7408	10452	6066	4034	908	496	204	88	116	192		
1955-58	29882	7389	10426	6047	4019	905	496	204	88	116	192		
1959-62	29797	7353	10397	6039	4012	904	493	204	88	115	192		
1963-66	29731	7333	10369	6030	4011	903	489	204	88	112	192		
1967-70	29637	7316	10334	6004	4007	900	484	200	88	112	192		
1971-74	29637	7316	10334	6004	4007	900	484	200	88	112	192		
1975-78	29524	7296	10303	5978	3983	896	480	196	88	112	192		

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 HIROSHIMA, AGE ATB 10-19

YEAR	TOTAL	NIC	165 TOTAL DOSE IN RAD										400+	UNK
			0	1-9	10-49	50-99	100-199	200-299	300-399					
MALE + FEMALE														
TOTAL	439220	108472	145279	88992	51608	12458	9856	4016	2937	3538	12064			
1950-78	62023	10756	22539	13751	7998	1921	1543	630	456	557	1872			
1950-54	64273	16583	20919	12832	7456	1794	1437	583	423	520	1726			
1955-58	63697	16471	20694	12729	7384	1784	1409	574	420	516	1716			
1959-62	63203	16373	20552	12605	7317	1763	1395	569	418	508	1703			
1963-66	62687	16250	20403	12501	7236	1751	1376	562	416	500	1692			
1967-70	62065	16084	20222	12372	7161	1733	1361	555	409	479	1689			
1971-74	61272	15955	19950	12202	7056	1712	1335	543	395	458	1666			
1975-78														
MALE														
TOTAL	190813	47991	62497	44857	19863	4411	3912	1744	1023	1799	2716			
1950-78	27509	5169	9781	7002	3094	681	621	276	159	289	437			
1950-54	28006	7313	9041	6507	2877	634	570	257	148	268	391			
1955-58	27693	7242	8925	6445	2843	632	557	250	148	264	387			
1959-62	27419	7179	8852	6363	2814	626	553	246	146	256	384			
1963-66	27131	7112	8765	6290	2784	620	546	242	144	252	376			
1967-70	26754	7016	8648	6186	2749	617	538	240	143	241	376			
1971-74	26301	6960	8485	6064	2702	601	527	233	135	229	365			
1975-78														
FEMALE														
TOTAL	248407	60481	82782	44135	31745	8047	5944	2272	1914	1739	9348			
1950-78	34514	5587	12758	6749	4904	1240	922	354	297	268	1435			
1950-54	36267	9270	11878	6325	4579	1160	867	326	275	252	1335			
1955-58	36004	9229	11769	6284	4541	1152	852	324	272	252	1329			
1959-62	36004	9229	11769	6284	4541	1152	852	324	272	252	1329			
1963-66	35784	9194	11700	6242	4503	1137	842	323	272	252	1319			
1967-70	35556	9138	11638	6211	4452	1131	830	320	272	248	1316			
1971-74	35311	9068	11574	6186	4412	1116	823	315	266	238	1313			
1975-78	34971	8995	11465	6138	4354	1111	808	310	260	229	1301			

TABLE 2

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 MIROSHINA, AGE ATB 20-34

YEAR	TOTAL	TAS TOTAL DOSE IN RAD										400+	UNK
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399				
MALE + FEMALE													
TOTAL	447808	111866	145591	87188	58351	16193	9613	3897	2252	3460	9397		
1950-78	65912	12822	22919	13795	9236	2568	1523	627	360	557	1505		
1950-54	66393	17164	21283	12784	8554	2386	1414	581	335	516	1376		
1955-58	65532	16956	21032	12606	8443	2349	1387	572	328	505	1354		
1959-62	64568	16742	20761	12381	8310	2310	1360	563	321	495	1325		
1963-66	63419	16489	20390	12137	8142	2262	1349	540	315	479	1316		
1967-70	61911	16067	19927	11887	7946	2202	1308	522	304	467	1281		
1971-74	60073	15626	19279	11598	7720	2116	1272	492	289	441	1240		
1975-78													
MALE													
TOTAL	118492	31334	36914	24354	13679	3266	2771	1325	682	956	3211		
1950-78	19038	4866	5986	3955	2244	541	452	212	108	149	525		
1950-54	17708	4683	5512	3646	2045	495	418	195	100	140	474		
1955-58	17387	4606	5435	3558	2012	481	403	192	97	140	463		
1959-62	16991	4524	5315	3469	1952	466	389	192	96	136	452		
1963-66	16492	4423	5139	3350	1876	453	385	184	96	136	430		
1967-70	15825	4216	4909	3245	1819	427	370	180	96	133	430		
1971-74	15051	4016	4618	3131	1731	403	354	170	89	122	417		
1975-78													
FEMALE													
TOTAL	329316	80532	108677	62834	44672	12927	6842	2572	1570	2504	6186		
1950-78	46874	7956	16933	9840	6992	2077	1071	415	252	408	980		
1950-54	48685	12481	15771	9138	6509	1891	996	386	235	376	902		
1955-58	48145	12350	15597	9048	6431	1868	984	380	231	365	891		
1959-62	47577	12218	15446	8912	6358	1844	971	371	225	359	873		
1963-66	46927	12066	15251	8787	6264	1809	964	356	219	343	866		
1967-70	46086	11851	15018	8642	6127	1775	938	342	208	334	851		
1971-74	45022	11610	14661	8467	5989	1713	918	322	200	319	823		
1975-78													

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 HIROSHIMA, AGE ATB 35-49

YEAR	TOTAL	T65 TOTAL DOSE IN RAD										
		NIC										
		0	1-9	10-49	50-99	100-199	200-299	300-399	400+	UNK		
MALE + FEMALE												
TOTAL	469010	109891	158423	87796	67963	17430	11846	3954	1831	2805	7071	
1950-78	73877	28101	15500	12027	10885	3127	2103	721	338	520	1270	
1950-54	76901	19273	25396	14058	10885	2835	1900	646	317	477	1114	
1955-58	73602	18566	24264	13452	10377	2694	1835	610	293	450	1061	
1959-62	69763	17647	23024	12718	9855	2510	1734	576	261	421	1017	
1963-66	64732	16370	21355	11790	9199	2316	1604	531	231	375	961	
1967-70	58632	14800	19319	10777	8340	2109	1623	479	203	313	869	
1971-74	51503	13085	16964	9501	7280	1839	1247	391	168	249	779	
1975-78												
MALE												
TOTAL	181870	44315	59196	34921	23753	6164	5315	1534	637	1328	4707	
1950-78	31051	5104	11217	6548	4463	1187	981	301	146	258	846	
1950-54	31118	7994	9988	5850	3984	1059	868	264	126	234	751	
1955-58	29300	7574	9381	5521	3720	986	836	247	106	219	710	
1959-62	27149	7070	8673	5090	3453	885	784	223	86	202	683	
1963-66	24363	6382	7706	4572	3141	781	705	195	69	172	640	
1967-70	21182	5540	6672	3985	2730	695	616	171	59	141	573	
1971-74	17707	4651	5559	3355	2262	571	525	133	45	102	504	
1975-78												
FEMALE												
TOTAL	287140	65576	99227	52875	44210	11266	6531	2420	1194	1477	2364	
1950-78	42826	5046	16884	8952	7564	1940	1122	420	212	262	424	
1950-54	45783	11279	15408	8208	6901	1776	1032	382	191	243	363	
1955-58	44302	10992	14883	7931	6657	1708	999	363	187	231	351	
1959-62	42614	10577	14351	7628	6402	1625	950	353	175	219	334	
1963-66	40369	9988	13649	7218	6058	1535	899	336	162	203	321	
1967-70	37450	9260	12647	6792	5610	1414	807	308	144	172	296	
1971-74	33796	8434	11405	6146	5018	1268	722	258	123	147	275	
1975-78												

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 HIROSHIMA, AGE ATB 50+

YEAR	TOTAL	T65 TOTAL DOSE IN RAD										400+	UNK
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399				
MALE + FEMALE													
TOTAL	195642	39952	70619	39228	28807	7900	3865	1458	658	839	2316		
1950-78	47588	5091	19175	10870	7700	2122	1106	379	183	260	702		
1950-54	44035	10321	15274	8575	6200	1710	858	311	142	184	460		
1955-58	35429	8234	12289	6840	5035	1442	691	256	120	141	381		
1959-62	27174	6357	9492	5156	3899	1023	514	215	88	107	303		
1963-66	19904	4756	6994	3716	2811	758	347	153	58	76	235		
1967-70	13435	3218	4689	2520	1944	505	221	95	39	49	155		
1971-74	8077	1975	2706	1551	1218	320	128	49	28	22	80		
1975-78													
MALE													
TOTAL	83959	16700	29166	17451	11931	3472	2147	720	346	541	1485		
1950-78	21892	2170	8598	5203	3435	931	649	199	95	169	443		
1950-54	19612	4459	6596	3978	2662	756	495	167	76	124	299		
1955-58	15269	3493	5093	3059	2063	639	393	127	62	89	251		
1959-62	11247	2630	3710	2205	1544	475	279	101	42	65	196		
1963-66	7913	1938	2579	1493	1079	362	180	70	30	51	151		
1967-70	5126	1263	1676	959	724	209	97	40	24	33	101		
1971-74	2900	747	914	554	424	120	54	16	17	10	44		
1975-78													
FEMALE													
TOTAL	111683	23252	41453	21777	16876	4428	1718	738	312	298	831		
1950-78	25696	2921	10577	5667	4265	1191	457	180	88	91	259		
1950-54	24423	5862	8678	4597	3538	954	363	144	66	60	161		
1955-58	20160	4741	7196	3781	2972	803	298	129	58	52	130		
1959-62	15927	3727	5782	2951	2355	568	235	114	46	42	107		
1963-66	11991	2818	4415	2223	1732	416	167	83	28	25	84		
1967-70	8309	1955	3013	1561	1220	296	124	55	15	16	54		
1971-74	5177	1228	1792	997	794	200	74	33	11	12	36		
1975-78													

TABLE 2

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 NAGASAKI, ALL AGES

YEAR	TOTAL	TKS TOTAL DOSE IN RAD										400+	UNK
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399				
MALE + FEMALE													
TOTAL	660063	158672	99154	175370	98206	36172	35138	18361	6847	8950	23193		
1950-78	111490	26597	16697	29847	16803	6055	5821	3042	1139	1546	3943		
1950-54	101095	24224	15101	27030	15161	5540	5318	2786	1038	1376	3521		
1955-58	97322	23394	14563	25916	14506	5377	5163	2695	1004	1317	3387		
1959-62	93574	22516	14064	24810	13910	5157	4985	2621	978	1267	3266		
1963-66	89507	21527	13530	23690	13239	4917	4800	2519	937	1213	3135		
1967-70	85483	20615	12918	22587	12579	4677	4630	2411	897	1141	3028		
1971-74	81592	19799	12281	21490	12008	4449	4421	2287	854	1090	2913		
1975-78													
MALE													
TOTAL	281612	69752	43535	70585	39592	15967	15326	7900	3068	4224	11663		
1950-78	48898	12018	7593	12302	6942	2754	2605	1342	532	756	2054		
1950-54	44017	10853	6803	11070	6211	2510	2373	1229	481	675	1812		
1955-58	42021	10411	6476	10550	5887	2618	2289	1176	456	641	1717		
1959-62	39976	9920	6183	9993	5606	2272	2180	1140	440	601	1641		
1963-66	37679	9344	5851	9402	5287	2123	2074	1084	407	558	1549		
1967-70	35519	8828	5486	8871	4971	1999	1969	1006	389	516	1484		
1971-74	33502	8378	5143	8397	4688	1891	1836	923	363	477	1406		
1975-78													
FEMALE													
TOTAL	378451	88920	55619	104785	58614	20205	19812	10461	3779	4726	11530		
1950-78	62592	14579	9104	17545	9861	3301	3216	1700	607	790	1889		
1950-54	57078	13371	8298	15960	8950	3030	2945	1557	557	701	1709		
1955-58	55301	12983	8087	15366	8619	2959	2874	1519	548	676	1670		
1959-62	53598	12596	7881	14817	8304	2885	2805	1481	538	666	1625		
1963-66	51828	12183	7679	14288	7952	2794	2726	1435	530	655	1586		
1967-70	49964	11787	7432	13716	7608	2678	2661	1405	508	625	1544		
1971-74	48090	11421	7138	13093	7320	2558	2585	1364	491	613	1507		
1975-78													

TABLE 2,

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 NAGASAKI, AGE ATB 0-9

YEAR	TOTAL	NIC	0	1-9	10-49	T65 TOTAL DOSE IN RAD						400+	UNK
						50-99	100-199	200-299	300-399				
MALE + FEMALE TOTAL	157930	37196	22971	45481	29353	7522	4821	2803	1130	1962	4691		
1950-78	24149	5666	3521	6951	4480	1158	735	440	170	314	714		
1950-54	22599	5324	3284	6506	4194	1077	688	412	160	282	671		
1955-58	22486	5315	3269	6466	4175	1065	685	402	160	278	667		
1959-62	22368	5277	3251	6437	4161	1060	684	399	160	272	667		
1963-66	22229	5237	3228	6408	4142	1056	677	388	160	272	667		
1967-70	22106	5203	3213	6378	4111	1054	676	385	160	272	654		
1971-74	21993	5174	3205	6335	4090	1052	676	377	160	272	652		
1975-78													
MALE TOTAL	76382	17699	10948	22216	14550	3600	2432	1479	593	955	1910		
1950-78	11710	2702	1681	3411	2222	554	374	235	89	149	293		
1950-54	10962	2536	1567	3192	2080	519	348	220	84	140	276		
1955-58	10896	2532	1559	3167	2069	513	345	214	84	138	275		
1959-62	10812	2509	1548	3142	2062	508	344	212	84	132	271		
1963-66	10739	2493	1535	3124	2055	504	341	204	84	132	267		
1967-70	10668	2472	1531	3105	2037	502	340	201	84	132	264		
1971-74	10595	2455	1527	3075	2025	500	340	193	84	132	264		
1975-78													
FEMALE TOTAL	81548	19497	12023	23265	14803	3922	2389	1324	537	1007	2781		
1950-78	12439	2964	1840	3540	2258	604	361	205	81	165	421		
1950-54	11637	2788	1717	3314	2114	558	340	192	76	142	396		
1955-58	11590	2783	1710	3299	2106	552	340	188	76	140	396		
1959-62	11556	2768	1703	3295	2099	552	340	187	76	140	396		
1963-66	11490	2744	1693	3284	2087	552	336	184	76	140	394		
1967-70	11438	2731	1682	3273	2074	552	336	184	76	140	390		
1971-74	11398	2719	1678	3260	2065	552	336	184	76	140	388		
1975-78													

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 NAGASAKI, AGE ATB 10-19

YEAR	TOTAL	T65 TOTAL DOSE IN RAD										UNK
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
MALE + FEMALE												
TOTAL	207088	48686	31781	52984	24394	11920	15424	7669	2142	2833	9255	
1950-54	32126	7515	4948	8270	3762	1835	2388	1193	334	442	1439	
1955-58	29863	6997	4591	7683	3495	1712	2226	1113	308	411	1327	
1959-62	29582	6948	4532	7593	3479	1703	2202	1099	306	405	1315	
1963-66	29370	6907	4498	7518	3463	1694	2185	1087	304	403	1311	
1967-70	29069	6839	4452	7429	3434	1674	2165	1073	304	397	1302	
1971-74	28705	6760	4401	7300	3400	1663	2142	1058	300	392	1289	
1975-78	28373	6720	4359	7191	3361	1639	2116	1046	286	383	1272	
MALE												
TOTAL	89664	21363	12870	24063	10459	4912	6121	2790	851	1513	4722	
1950-54	14012	3319	2025	3797	1615	765	950	430	134	239	738	
1955-58	13013	3089	1869	3525	1501	713	882	404	124	223	683	
1959-62	12868	3067	1839	3472	1496	707	872	401	122	217	675	
1963-66	12747	3045	1820	3421	1491	698	868	398	120	215	671	
1967-70	12563	2995	1800	3362	1473	684	859	396	120	212	662	
1971-74	12328	2935	1769	3281	1449	681	849	386	118	208	652	
1975-78	12133	2913	1748	3205	1434	664	841	375	113	199	641	
FEMALE												
TOTAL	117424	27323	18911	28921	13935	7008	9303	4879	1291	1320	4533	
1950-54	18114	4196	2923	4473	2147	1070	1438	763	200	203	701	
1955-58	16850	3908	2722	4158	1994	999	1344	709	184	188	644	
1959-62	16714	3881	2693	4121	1983	996	1330	698	184	188	640	
1963-66	16623	3862	2678	4097	1972	996	1317	689	184	188	640	
1967-70	16506	3844	2652	4067	1961	990	1306	677	184	185	640	
1971-74	16377	3825	2632	4019	1951	982	1293	672	182	184	637	
1975-78	16240	3807	2611	3986	1927	975	1275	671	173	184	631	

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS AT RISK 1950-1978 NAGASAKI, AGE ATB 20-34

YEAR	TOTAL	NIC	T65 TOTAL DOSE IN RAD										400+	UNK
			0	1-0	10-49	50-99	100-199	200-299	300-399	400+				
MALE + FEMALE TOTAL	137247	35850	20694	33333	18599	7919	7868	4332	1945	1966	4741			
1950-78	21882	5680	3316	5328	2952	1256	1254	699	302	324	771			
1950-54	20194	5271	3054	4913	2722	1167	1157	638	280	291	701			
1955-58	19879	5200	3013	4810	2683	1129	1147	628	280	280	689			
1959-62	19540	5115	2956	4712	2649	1130	1121	623	280	278	674			
1963-66	19094	4985	2875	4627	2601	1102	1098	608	271	273	654			
1967-70	18613	4864	2793	4539	2520	1076	1072	584	268	261	636			
1971-74	18045	4735	2687	4404	2472	1039	1017	552	264	259	616			
1975-78														
MALE TOTAL	62916	11966	7502	7822	4448	2883	2929	1814	736	580	2236			
1950-78	7002	1938	1231	1296	711	455	486	304	115	92	374			
1950-54	6410	1792	1114	1179	658	423	441	278	108	84	333			
1955-58	6273	1760	1100	1133	651	414	432	268	108	84	323			
1959-62	6145	1720	1076	1099	645	410	418	266	108	84	319			
1963-66	5945	1653	1035	1068	630	406	407	256	101	84	305			
1967-70	5714	1582	1001	1047	590	393	395	233	100	77	296			
1971-74	5427	1521	945	1000	563	382	350	209	96	75	286			
1975-78														
FEMALE TOTAL	94331	23884	13192	25511	14151	5036	4939	2518	1209	1386	2505			
1950-78	14880	3742	2085	4032	2741	801	768	395	187	232	397			
1950-54	13784	3479	1940	3734	2064	744	716	360	172	207	368			
1955-58	13606	3440	1913	3677	2032	735	715	360	172	196	366			
1959-62	13395	3395	1880	3613	2004	720	705	357	172	194	355			
1963-66	13149	3332	1840	3559	1971	696	691	352	170	189	349			
1967-70	12899	3282	1792	3492	1930	683	677	351	168	184	340			
1971-74	12618	3214	1742	3404	1909	657	667	343	168	184	330			
1975-78														

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 NAGASAKI, AGE ATB 35-49

YEAR	TOTAL	T65 TOTAL DOSE IN RAD									
		NIC	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	UNK
MALE + FEMALE											
TOTAL	114661	27211	17725	30818	18050	6411	5320	2743	1301	1765	3317
1950-78	20966	4965	3163	5672	3315	1154	972	494	247	340	644
1950-54	18906	4482	2860	5124	2977	1059	875	446	224	297	562
1955-58	17844	4232	2724	4825	2787	1021	838	428	199	273	517
1959-62	16674	3946	2588	4477	2617	954	774	403	183	258	474
1963-66	15127	3579	2406	4020	2369	859	699	368	170	238	419
1967-70	13488	3203	2152	3601	2132	725	623	327	148	196	381
1971-74	11656	2804	1832	3099	1853	639	539	277	130	163	320
1975-78											
MALE											
TOTAL	52083	13647	8983	11380	6608	3433	2934	1388	730	896	2084
1950-78	10024	2604	1677	2222	1303	652	549	261	149	193	414
1950-54	8959	2316	1512	1995	1152	595	503	231	132	164	359
1955-58	8350	2158	1410	1868	1055	566	482	223	114	145	329
1959-62	7650	1985	1328	1688	963	513	434	208	102	130	299
1963-66	6672	1754	1204	1420	833	439	377	185	90	111	259
1967-70	5716	1531	1025	1200	725	358	319	155	79	87	237
1971-74	4712	1299	827	987	577	310	270	125	64	66	187
1975-78											
FEMALE											
TOTAL	62578	13564	8742	19438	11442	2978	2386	1355	571	869	1233
1950-78	10942	2361	1486	3450	2012	502	423	233	98	147	230
1950-54	9947	2166	1348	3129	1825	464	372	215	92	133	203
1955-58	9494	2074	1314	2957	1732	455	356	205	85	128	188
1959-62	9024	1961	1260	2789	1654	441	340	195	81	128	175
1963-66	8455	1825	1202	2600	1536	420	322	183	80	127	160
1967-70	7772	1672	1127	2401	1407	367	304	172	69	109	144
1971-74	6944	1505	1005	2112	1276	329	269	152	66	97	133
1975-78											

TABLE 2

TABLE 2

TABLE 2

TABLE 2 THE LIFE SPAN STUDY COHORT EXTENDED, NUMBER OF PERSON-YEARS
AT RISK 1950-1978 NAGASAKI, AGE A18 50+

YEAR	TOTAL	NIC	0	T65 TOTAL DOSE IN RAD										400+	UNK
				1-9	10-49	50-99	100-199	200-299	300-399						
MALE + FEMALE															
TOTAL	43137	9729	5983	12754	7810	2400	1705	814	329	424	1189				
1950-78	12367	2771	1749	3626	2294	652	472	216	86	126	375				
1950-54	9533	2150	1312	2804	1773	525	372	177	66	95	259				
1955-58	7531	1699	1025	2222	1382	439	291	138	59	81	195				
1959-62	5622	1271	771	1666	1020	319	219	109	51	56	140				
1963-66	3988	887	569	1206	693	226	161	82	32	33	99				
1967-70	2571	585	359	769	416	159	117	57	21	20	68				
1971-74	1525	366	198	461	232	80	73	35	14	13	53				
1975-78															
MALE															
TOTAL	20567	5077	3232	5104	3527	1119	910	429	158	280	711				
1950-78	6150	1455	979	1576	1091	328	246	112	45	83	235				
1950-54	4673	1120	741	1179	820	260	199	96	33	64	161				
1955-58	3634	894	568	910	616	218	158	70	28	57	115				
1959-62	2622	661	411	643	445	143	116	56	26	40	81				
1963-66	1760	449	277	428	296	90	90	43	12	19	56				
1967-70	1093	308	160	238	170	45	66	31	8	12	35				
1971-74	635	190	96	130	89	35	35	21	6	5	28				
1975-78															
FEMALE															
TOTAL	22570	4652	2751	7650	4283	1261	795	385	171	144	478				
1950-78	6217	1316	770	2050	1203	324	226	104	41	43	160				
1950-54	4860	1030	571	1625	953	265	173	81	33	31	96				
1955-58	3897	805	457	1312	766	221	133	68	31	24	80				
1959-62	3000	610	360	1023	575	176	103	53	25	16	59				
1963-66	2228	438	292	778	397	136	71	39	20	14	43				
1967-70	1478	277	199	531	246	94	51	26	13	8	33				
1971-74	890	176	102	331	143	45	38	14	8	8	25				
1975-78															

TABLE 3

TABLE 3 MEAN T-65 DOSE ESTIMATES IN RAD, LIFE SPAN STUDY SAMPLE (EXTENDED)

CLASS	T-65 TOTAL DOSE IN RAD									
	0	1-9	10-49	50-99	100-199	200-299	300-399	400**	100**	10**
BOTH CITIES										
NUMBER	82242	31581	23073	14942	4225	3128	1381	639	887	25202
MEAN DOSE: TOTAL		3.4	21.8	70.6	142.4	243.6	345.3	526.4	243.5	83.1
GAMMA		2.9	18.5	61.4	124.6	214.4	289.4	438.8	208.8	71.3
NEUTRON		0.5	3.3	9.2	17.8	29.2	55.9	87.6	34.7	11.8
HIROSHIMA										
NUMBER	61911	27577	15933	10911	2783	1740	659	369	510	3278
MEAN DOSE: TOTAL		3.3	22.0	70.3	138.9	243.6	346.4	524.4	243.3	72.8
GAMMA		2.6	17.5	56.6	108.6	186.4	254.0	380.3	182.8	55.9
NEUTRON		0.7	4.5	13.7	30.5	57.2	92.4	144.1	60.5	16.9
NAGASAKI										
NUMBER	20331	4004	7140	4031	1442	1388	722	270	377	2757
MEAN DOSE: TOTAL		3.6	21.2	71.2	146.9	243.7	343.7	529.2	243.8	104.6
GAMMA		3.6	21.2	70.7	145.0	239.9	337.7	518.0	239.7	103.1
NEUTRON		0.0	0.0	0.5	1.9	3.8	6.0	11.2	4.1	1.5

*THE DOSE ESTIMATES FOR SOME SURVIVORS ARE SO HIGH AS TO RAISE SERIOUS QUESTIONS OF ERROR. THERE ARE 365 PERSONS (HIROSHIMA 205, NAGASAKI 160) WITH T-65 DOSES CALCULATED IN EXCESS OF 600 RAD. FOR PURPOSES OF AVERAGING HERE, ALL THESE DOSES ARE ARBITRARILY SET AT 600 RAD. (HIROSHIMA, 428 RAD GAMMA, 172 RAD NEUTRONS; NAGASAKI, 587 RAD GAMMA, 13 RAD NEUTRONS).

TABLE 3

TABLE 4-1 ALL CAUSES

TABLE 4-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	23302	9430	6568	4472	1275	883	390	188	296
TOTAL	EXP.		9419.7	6629.5	4522.6	1305.4	874.1	361.7	163.7	225.2
	OBS./EXP.		1.001	0.991	0.989	0.977	1.010	1.078	1.148	1.314
	RELATIVE RISK		1.000	0.990	0.988	0.976	1.009	1.077	1.147	1.313
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7122	0.6610	0.3794	0.1309	0.0772	0.0004	0.7356	0.1939	0.0003
1950-54	OBS.	3034	1259	848	558	133	132	36	23	45
	EXP.		1195.1	876.3	585.0	166.7	113.4	46.0	21.1	30.3
	OBS./EXP.		1.053	0.968	0.954	0.798	1.164	0.783	1.089	1.483
	RELATIVE RISK		1.000	0.919	0.905	0.757	1.105	0.743	1.034	1.408
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9485	0.9869	0.2795	0.9305	0.4699	0.0825	0.9871	0.5808	0.1379
1955-58	OBS.	3289	1320	949	646	160	101	52	22	39
	EXP.		1309.6	938.3	636.1	183.0	119.9	49.4	22.1	30.8
	OBS./EXP.		1.008	1.011	1.016	0.874	0.843	1.054	0.996	1.268
	RELATIVE RISK		1.000	1.003	1.008	0.867	0.836	1.045	0.988	1.258
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4603	0.9020	0.8958	0.4336	0.5514	0.1881	0.8471	0.8021	0.2760
1959-62	OBS.	3218	1277	955	585	180	122	38	23	38
	EXP.		1290.6	906.2	622.0	184.4	116.1	47.1	21.8	29.8
	OBS./EXP.		0.989	1.054	0.940	0.976	1.051	0.807	1.056	1.277
	RELATIVE RISK		1.000	1.065	0.950	0.987	1.062	0.816	1.067	1.290
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7894	0.4884	0.3339	0.8172	0.4200	0.1332	0.7461	0.5348	0.1690
1963-66	OBS.	3414	1285	977	671	231	124	63	28	35
	EXP.		1376.1	953.2	659.9	190.0	125.5	53.4	23.6	32.2
	OBS./EXP.		0.936	1.025	1.017	1.216	0.988	1.179	1.185	1.086
	RELATIVE RISK		1.000	1.098	1.089	1.302	1.058	1.263	1.269	1.163
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0942	0.0018	0.2753	0.0688	0.1460	0.2394	0.0131	0.1055	0.1042
1967-70	OBS.	3455	1361	969	680	178	132	62	28	45
	EXP.		1398.6	980.4	662.4	192.1	129.2	55.7	23.5	32.6
	OBS./EXP.		0.973	1.009	1.027	0.927	1.022	1.113	1.191	1.371
	RELATIVE RISK		1.000	1.037	1.055	0.952	1.050	1.144	1.224	1.409
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2382	0.6358	0.2572	0.2115	0.2012	0.0443	0.3424	0.1508	0.0310
1971-74	OBS.	3510	1440	942	648	201	139	66	28	46
	EXP.		1414.3	981.9	673.4	193.9	132.7	56.7	24.5	32.6
	OBS./EXP.		1.018	0.959	0.962	1.037	1.047	1.164	1.145	1.412
	RELATIVE RISK		1.000	0.942	0.945	1.018	1.029	1.143	1.125	1.387
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7914	0.4447	0.4163	0.2349	0.3558	0.0591	0.7278	0.2730	0.0688
1975-78	OBS.	3582	1488	928	684	192	133	73	36	48
	EXP.		1440.3	1006.0	688.8	196.3	137.5	55.3	26.0	31.8
	OBS./EXP.		1.033	0.922	0.993	0.978	0.967	1.319	1.386	1.510
	RELATIVE RISK		1.000	0.893	0.961	0.947	0.936	1.277	1.341	1.462
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7432	0.6611	0.6833	0.0442	0.1024	0.0254	0.7624	0.3305	0.0102

TABLE 4-2 ALL CAUSES

TABLE 4-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	1-65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	495	176	151	91	25	15	21	3	13
	EXP.	188.7	152.1	102.6	24.2	13.3	6.9	2.9	4.4	
	OBS./EXP. RELATIVE RISK	0.933 1.000	0.993 1.065	0.887 0.951	1.034 1.109	1.127 1.208	3.054 3.273	1.040 1.113	2.956 3.169	
	TEST PROB.	A=C? 0.4546	A=D? 0.4562	A=E? 0.3434	A=F? 0.0004	A=G? 0.4286	A=H? 0.0057	A=CD? 0.5962	A=EF? 0.0102	A=GH? 0.0197
									HOMO. 0.0000	TREND. 0.0000
1950-54	OBS. EXP.	69	21	15	15	6	6	1	0	5
		25.1	21.8	14.5	3.5	2.0	1.0	0.4	0.7	
	OBS./EXP. RELATIVE RISK	0.837 1.000	0.689 0.824	1.033 1.234	1.719 2.055	3.070 3.669	0.960 1.147	0.000 0.000	7.152 8.369	
	TEST PROB.	A=C? 0.4440	A=D? 0.2904	A=E? 0.0572	A=F? 0.6473	A=G? 0.8099	A=H? 0.0110	A=CD? 0.3084	A=EF? 0.1157	A=GH? 0.0582
									HOMO. 0.0000	TREND. 0.0000
1955-58	OBS. EXP.	69	21	24	11	6	0	3	1	3
		25.2	21.7	14.6	3.5	1.9	1.0	0.4	0.7	
	OBS./EXP. RELATIVE RISK	0.835 1.000	1.104 1.322	0.755 0.905	1.719 2.059	0.000 0.000	2.886 3.456	2.373 2.842	4.478 5.363	
	TEST PROB.	A=C? 0.5583	A=D? 0.2108	A=E? 0.8753	A=F? 0.1511	A=G? 0.2790	A=H? 0.0561	A=CD? 0.4529	A=EF? 0.4035	A=GH? 0.0425
									HOMO. 0.0104	TREND. 0.0011
1959-62	OBS. EXP.	70	28	19	11	3	2	4	0	3
		26.9	21.4	14.5	3.4	1.9	1.0	0.4	0.6	
	OBS./EXP. RELATIVE RISK	1.041 1.000	0.888 0.853	0.761 0.905	0.888 0.853	1.069 1.027	4.057 3.896	0.000 0.000	4.891 4.698	
	TEST PROB.	A=C? 0.7466	A=D? 0.6073	A=E? 0.4250	A=F? 0.0438	A=G? 0.8006	A=H? 0.0762	A=CD? 0.7350	A=EF? 0.1524	A=GH? 0.2048
									HOMO. 0.0052	TREND. 0.0008
1963-66	OBS. EXP.	62	25	16	11	4	2	3	0	1
		23.4	19.1	12.9	3.0	1.7	0.9	0.4	0.5	
	OBS./EXP. RELATIVE RISK	1.066 1.000	0.837 0.785	0.850 0.797	1.317 1.236	1.197 1.123	3.437 3.223	0.000 0.000	1.822 1.709	
	TEST PROB.	A=C? 0.7044	A=D? 0.4216	A=E? 0.4060	A=F? 0.2028	A=G? 0.7998	A=H? 0.3116	A=CD? 0.6498	A=EF? 0.3171	A=GH? 0.4028
									HOMO. 0.4078	TREND. 0.0958
1967-70	OBS. EXP.	72	25	25	14	2	3	1	1	1
		27.3	22.2	15.0	3.5	1.9	1.0	0.4	0.6	
	OBS./EXP. RELATIVE RISK	0.915 1.000	1.128 1.233	0.933 1.020	0.568 0.621	1.554 1.699	1.008 1.102	2.350 2.569	1.575 1.722	
	TEST PROB.	A=C? 0.6299	A=D? 0.7729	A=E? 0.4207	A=F? 0.5859	A=G? 0.3024	A=H? 0.3546	A=CD? 0.6675	A=EF? 0.4328	A=GH? 0.3951
									HOMO. 0.8928	TREND. 0.2156
1971-74	OBS. EXP.	78	26	30	14	3	1	3	1	0
		31.0	23.4	15.9	3.7	2.0	1.0	0.4	0.6	
	OBS./EXP. RELATIVE RISK	0.840 1.000	1.281 1.525	0.883 1.051	0.812 0.967	0.496 0.590	2.991 3.561	2.348 2.795	0.000 0.000	
	TEST PROB.	A=C? 0.4516	A=D? 0.4326	A=E? 0.6731	A=F? 0.1214	A=G? 0.2741	A=H? 0.8032	A=CD? 0.4550	A=EF? 0.3440	A=GH? 0.3424
									HOMO. 0.2525	TREND. 0.3874
1975-78	OBS. EXP.	75	30	22	15	1	1	6	0	0
		29.8	22.5	15.2	3.6	1.9	0.9	0.4	0.4	
	OBS./EXP. RELATIVE RISK	1.005 1.000	0.979 0.974	0.985 0.980	0.281 0.279	0.516 0.514	6.408 6.375	0.000 0.000	0.000 0.000	
	TEST PROB.	A=C? 0.5717	A=D? 0.8782	A=E? 0.7599	A=F? 0.0025	A=G? 0.8040	A=H? 0.8240	A=CD? 0.6904	A=EF? 0.1006	A=GH? 0.8524
									HOMO. 0.0001	TREND. 0.2026

TABLE 4-3 ALL CAUSES

TABLE 4-3

HIROSHIWA • NAGASAKI, MALE • FEMALE, AGE ATB 10-19

		Y=65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
			A	B	C	D	E	F	G	H		
1950-78	OBS.	1275	477	386	186	56	77	38	22	33		
TOTAL	EXP.		473.6	399.2	203.2	65.7	69.4	32.1	13.5	18.4		
	OBS./EXP.		1.007	0.967	0.915	0.853	1.110	1.186	1.631	1.797		
	RELATIVE RISK		1.000	0.960	0.909	0.847	1.102	1.177	1.619	1.784		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.7602	0.7910	0.2843	0.2646	0.0706	0.0129	0.8034	0.1765	0.0039	0.0021	0.0000
1950-54	OBS.	194	95	48	21	7	9	5	5	6		
	EXP.		70.8	60.7	31.1	10.3	11.1	5.2	2.1	2.8		
	OBS./EXP.		1.343	0.791	0.676	0.681	0.811	0.967	2.360	1.411		
	RELATIVE RISK		1.000	0.589	0.503	0.507	0.604	0.720	1.758	1.051		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.9875	0.9194	0.8785	0.7543	0.2859	0.5295	0.9930	0.8822	0.3617	0.0041	0.3159
1955-58	OBS.	195	85	55	31	6	10	6	1	1		
	EXP.		72.7	60.8	31.0	10.0	10.7	5.0	2.1	2.8		
	OBS./EXP.		1.169	0.905	0.999	0.600	0.938	1.205	0.484	0.359		
	RELATIVE RISK		1.000	0.774	0.854	0.513	0.802	1.031	0.414	0.307		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.7076	0.8899	0.6771	0.4394	0.7984	0.8610	0.8187	0.5953	0.8914	0.4909	0.9060
1959-62	OBS.	134	51	41	18	4	11	4	1	4		
	EXP.		51.7	41.2	21.5	6.6	6.7	3.0	1.4	1.9		
	OBS./EXP.		0.987	0.995	0.838	0.605	1.647	1.319	0.721	2.117		
	RELATIVE RISK		1.000	1.008	0.849	0.613	1.669	1.337	0.731	2.146		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.6643	0.7997	0.2282	0.4192	0.6836	0.2490	0.7219	0.2492	0.3780	0.4013	0.0485
1963-66	OBS.	147	46	55	22	10	7	5	1	1		
	EXP.		54.5	46.0	23.5	7.6	8.0	3.7	1.6	2.1		
	OBS./EXP.		0.844	1.196	0.935	1.314	0.873	1.350	0.639	0.469		
	RELATIVE RISK		1.000	1.417	1.108	1.557	1.034	1.599	0.756	0.555		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4234	0.2591	0.4475	0.3730	0.6626	0.7456	0.3004	0.3955	0.7398	0.5999	0.6361
1967-70	OBS.	156	45	52	29	7	9	6	1	7		
	EXP.		56.9	49.2	24.9	8.2	8.8	4.1	1.7	2.3		
	OBS./EXP.		0.791	1.057	1.165	0.853	1.026	1.475	0.593	3.053		
	RELATIVE RISK		1.000	1.337	1.472	1.078	1.297	1.864	0.749	3.860		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.1412	0.4422	0.3383	0.2213	0.6469	0.0071	0.1645	0.1996	0.0392	0.0401	0.0046
1971-74	OBS.	214	75	72	30	9	11	5	6	6		
	EXP.		78.5	67.7	33.9	11.1	11.8	5.5	2.3	3.1		
	OBS./EXP.		0.955	1.063	0.884	0.809	0.929	0.916	2.642	1.925		
	RELATIVE RISK		1.000	1.113	0.925	0.847	0.972	0.959	2.766	2.015		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.5796	0.6261	0.4674	0.5245	0.0629	0.1556	0.5936	0.5243	0.0310	0.1755	0.0274
1975-78	OBS.	235	80	63	35	13	20	7	7	10		
	EXP.		88.7	73.5	37.3	11.8	12.3	5.6	2.4	3.2		
	OBS./EXP.		0.902	0.857	0.938	1.099	1.620	1.242	2.939	3.079		
	RELATIVE RISK		1.000	0.950	1.040	1.219	1.796	1.377	3.259	3.414		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4252	0.3182	0.0407	0.2566	0.0177	0.0035	0.3560	0.0347	0.0003	0.0001	0.0000

TABLE A-4 ALL CAUSES

TABLE A-4

HIROSHIMA • NAGASAKI, MALE • FEMALE, AGE ATB 20-34

YEAR	CLASS	T=65 TOTAL DOSE IN RAD										
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
		A	B	C	D	E	F	G	H			
1950-78	OBS.	2188	843	594	386	134	104	63	24	40		
TOTAL	EXP.	850.5	626.9	388.8	124.9	96.8	47.8	23.5	28.8			
	OBS./EXP.	0.991	0.948	0.993	1.073	1.074	1.318	1.022	1.387			
	RELATIVE RISK	1.000	0.956	1.002	1.083	1.084	1.330	1.031	1.399			
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4924	0.2693	0.3774	0.0887	0.4701	0.0903	0.3789	0.1589	0.1429	0.0850	0.0013
1950-54	OBS.	272	93	80	60	11	15	7	2	4		
	EXP.	104.5	78.5	48.5	15.6	12.2	6.1	2.9	3.7			
	OBS./EXP.	0.890	1.019	1.237	0.704	1.226	1.145	0.685	1.090			
	RELATIVE RISK	1.000	1.145	1.390	0.791	1.377	1.287	0.770	1.225			
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.0817	0.6861	0.2783	0.4387	0.6633	0.4395	0.1515	0.2740	0.4484	0.4767	0.3732
1955-58	OBS.	231	80	74	38	16	8	7	1	7		
	EXP.	86.7	67.2	41.4	13.7	10.8	5.4	2.6	3.2			
	OBS./EXP.	0.923	1.102	0.917	1.167	0.741	1.296	0.386	2.202			
	RELATIVE RISK	1.000	1.194	0.994	1.265	0.803	1.405	0.418	2.386			
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4859	0.2922	0.6381	0.3117	0.7830	0.0931	0.6034	0.4781	0.2736	0.2722	0.0934
1959-62	OBS.	216	80	70	34	12	13	1	2	4		
	EXP.	83.0	61.5	38.5	12.2	9.3	4.3	2.2	2.8			
	OBS./EXP.	0.941	1.138	0.883	0.984	1.405	0.221	0.897	1.431			
	RELATIVE RISK	1.000	1.209	0.938	1.045	1.492	0.235	0.953	1.520			
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.6361	0.4798	0.2488	0.9082	0.5940	0.4119	0.6033	0.4569	0.4476	0.4460	0.4335
1963-66	OBS.	269	90	84	50	18	10	10	3	4		
	EXP.	103.9	77.8	48.0	15.1	11.8	5.9	2.9	3.6			
	OBS./EXP.	0.866	1.079	1.041	1.189	0.848	1.703	1.040	1.120			
	RELATIVE RISK	1.000	1.246	1.202	1.373	0.979	1.965	1.201	1.293			
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.2338	0.2389	0.6121	0.1013	0.4101	0.4387	0.1736	0.3022	0.4201	0.4907	0.1543
1967-70	OBS.	315	127	75	63	26	13	9	3	5		
	EXP.	122.6	90.1	55.9	17.9	14.0	6.9	3.4	4.2			
	OBS./EXP.	1.036	0.832	1.128	1.117	0.928	1.298	0.883	1.198			
	RELATIVE RISK	1.000	0.804	1.089	1.078	0.896	1.253	0.853	1.157			
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4221	0.4663	0.7165	0.4524	0.6992	0.4511	0.4006	0.6401	0.6235	0.6855	0.2879
1971-74	OBS.	387	154	97	70	24	21	11	4	6		
	EXP.	152.0	110.2	68.4	22.0	17.0	8.3	4.2	5.0			
	OBS./EXP.	1.013	0.880	1.024	1.092	1.235	1.331	0.962	1.194			
	RELATIVE RISK	1.000	0.868	1.010	1.078	1.219	1.314	0.950	1.179			
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4788	0.4062	0.3053	0.3027	0.5181	0.4458	0.4379	0.2270	0.4802	0.7835	0.1205
1975-78	OBS.	498	219	114	71	33	24	18	9	10		
	EXP.	195.8	142.1	88.0	28.3	21.6	10.4	5.3	6.4			
	OBS./EXP.	1.118	0.802	0.806	1.166	1.113	1.736	1.683	1.565			
	RELATIVE RISK	1.000	0.717	0.721	1.043	0.995	1.553	1.505	1.399			
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.9594	0.4494	0.5821	0.1233	0.2448	0.2719	0.9110	0.3276	0.1514	0.0015	0.0018

TABLE 4-5 ALL CAUSES

TABLE 4-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	A	B	C	D	E	F	G	H		
1950-78	OBS.	7993	3149	2145	1571	453	320	139	78	118		
TOTAL	EXP.		3188.3	2194.9	1548.0	445.0	336.1	129.6	60.7	90.6		
	OBS./EXP.		0.988	0.986	1.015	1.018	0.952	1.073	1.286	1.303		
	RELATIVE RISK		1.000	0.999	1.028	1.031	0.964	1.086	1.302	1.319		
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
		0.2305	0.2357	0.5838	0.1650	0.0330	0.0115	0.1932	0.3723	0.0019	0.0204	0.0005
1950-54	OBS.	679	276	178	133	35	30	11	5	11		
	EXP.		266.2	188.8	132.6	37.9	28.4	11.3	5.6	8.1		
	OBS./EXP.		1.037	0.943	1.003	0.923	1.058	0.977	0.890	1.351		
	RELATIVE RISK		1.000	0.909	0.967	0.890	1.020	0.942	0.858	1.303		
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
		0.6469	0.6525	0.4573	0.5674	0.6070	0.3365	0.6801	0.4775	0.4178	0.9326	0.2806
1955-58	OBS.	766	311	195	149	34	24	12	11	10		
	EXP.		304.9	210.8	148.2	42.8	31.8	12.3	6.2	9.0		
	OBS./EXP.		1.020	0.925	1.140	0.794	0.755	0.973	1.786	1.109		
	RELATIVE RISK		1.000	0.907	1.118	0.779	0.740	0.954	1.750	1.088		
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
		0.1972	0.8316	0.8528	0.5037	0.1260	0.4630	0.3456	0.8066	0.2078	0.0991	0.3669
1959-62	OBS.	871	331	259	158	56	34	9	11	13		
	EXP.		344.2	240.9	167.3	49.5	37.5	14.5	6.8	10.3		
	OBS./EXP.		0.962	1.075	0.944	1.132	0.907	0.623	1.613	1.260		
	RELATIVE RISK		1.000	1.118	0.982	1.178	0.943	0.648	1.678	1.311		
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
		0.5501	0.1620	0.5531	0.8101	0.1127	0.2433	0.3908	0.6952	0.0859	0.2455	0.2595
1963-66	OBS.	1059	384	306	203	72	45	24	12	13		
	EXP.		420.2	291.7	203.0	59.6	46.1	17.8	8.0	12.7		
	OBS./EXP.		0.914	1.049	1.000	1.209	0.976	1.351	1.506	1.026		
	RELATIVE RISK		1.000	1.148	1.094	1.323	1.088	1.478	1.648	1.123		
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
		0.2076	0.0285	0.3436	0.0558	0.0635	0.3592	0.0777	0.1362	0.1167	0.1259	0.0427
1967-70	OBS.	1340	531	357	258	77	57	24	12	24		
	EXP.		533.3	365.5	258.7	74.9	57.9	22.4	9.9	15.5		
	OBS./EXP.		0.992	0.977	0.997	1.028	0.984	1.073	1.214	1.549		
	RELATIVE RISK		1.000	0.985	1.005	1.037	0.992	1.081	1.224	1.561		
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
		0.4668	0.3955	0.3938	0.2989	0.2474	0.0402	0.4746	0.3032	0.0326	0.5688	0.0191
1971-74	OBS.	1502	605	390	287	85	68	30	14	23		
	EXP.		602.1	411.9	292.7	82.1	62.7	24.3	10.6	15.7		
	OBS./EXP.		1.005	0.947	0.981	1.035	1.085	1.233	1.324	1.468		
	RELATIVE RISK		1.000	0.942	0.976	1.030	1.080	1.228	1.317	1.461		
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
		0.5712	0.4435	0.3479	0.2529	0.2814	0.1208	0.5254	0.2358	0.0895	0.3297	0.0944
1975-78	OBS.	1776	711	480	363	94	62	29	13	24		
	EXP.		720.0	486.5	345.3	96.3	73.1	28.5	11.7	16.6		
	OBS./EXP.		0.987	0.987	1.051	0.976	0.849	1.092	1.110	1.449		
	RELATIVE RISK		1.000	0.999	1.065	0.989	0.859	1.106	1.124	1.467		
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
		0.2301	0.5088	0.8255	0.3556	0.4382	0.1000	0.2620	0.7116	0.1234	0.4444	0.1037

TABLE 4-6 ALL CAUSES

TABLE 4-6

MIYOSHIKAWA * NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	11551	4785	3272	2238	607	367	129	81	92
TOTAL	EXP.		4718.6	3256.4	2280.0	645.8	358.6	145.4	83.2	83.0
	OBS./EXP.		1.014	1.005	0.982	0.940	1.024	0.887	0.965	1.108
	RELATIVE RISK		1.000	0.991	0.968	0.927	1.009	0.875	0.952	1.093
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8776	0.9034	0.4618	0.8730	0.6354	0.2878	0.9318	0.6743	0.3523
1950-54	OBS.	1820	774	527	329	74	72	12	11	21
	EXP.		728.6	526.5	358.3	99.4	59.8	22.4	10.0	15.0
	OBS./EXP.		1.062	1.001	0.918	0.744	1.205	0.536	1.096	1.401
	RELATIVE RISK		1.000	0.942	0.864	0.701	1.134	0.504	1.031	1.319
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9639	0.9869	0.3167	0.9714	0.4915	0.2332	0.9913	0.6877	0.2884
1955-58	OBS.	2028	823	601	397	98	59	24	8	18
	EXP.		820.2	577.7	400.8	113.0	64.7	25.6	10.8	13.1
	OBS./EXP.		1.003	1.040	0.991	0.867	0.912	0.937	0.738	1.192
	RELATIVE RISK		1.000	1.037	0.987	0.864	0.909	0.934	0.735	1.188
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6125	0.8765	0.7383	0.6518	0.7888	0.3528	0.7442	0.7376	0.5505
1959-62	OBS.	1927	787	566	364	105	62	20	9	14
	EXP.		782.8	541.2	380.3	112.8	60.8	24.1	10.9	14.1
	OBS./EXP.		1.005	1.046	0.957	0.951	1.020	0.830	0.823	0.990
	RELATIVE RISK		1.000	1.040	0.952	0.926	1.014	0.826	0.818	0.984
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7548	0.6942	0.4806	0.7653	0.6957	0.5393	0.7813	0.6439	0.6380
1963-66	OBS.	1877	740	516	385	127	60	21	12	16
	EXP.		774.1	518.6	372.5	104.7	57.8	25.2	10.8	13.3
	OBS./EXP.		0.956	0.995	1.034	1.213	1.037	0.833	1.107	1.203
	RELATIVE RISK		1.000	1.041	1.081	1.259	1.085	0.871	1.158	1.258
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2011	0.0305	0.3116	0.6687	0.3781	0.3009	0.0779	0.4078	0.2484
1967-70	OBS.	1572	633	460	316	72	50	22	11	8
	EXP.		656.7	433.5	308.0	87.6	46.6	21.3	8.1	10.2
	OBS./EXP.		0.964	1.061	1.026	0.822	1.074	1.031	1.354	0.783
	RELATIVE RISK		1.000	1.101	1.064	0.853	1.114	1.069	1.404	0.812
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2912	0.7986	0.2463	0.4131	0.2243	0.6946	0.4467	0.2113	0.4328
1971-74	OBS.	1329	580	353	247	80	38	17	3	11
	EXP.		550.8	368.7	262.6	75.0	39.2	17.7	7.0	8.1
	OBS./EXP.		1.053	0.957	0.941	1.066	0.970	0.963	0.427	1.352
	RELATIVE RISK		1.000	0.909	0.893	1.013	0.921	0.914	0.405	1.284
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8857	0.5328	0.7102	0.6597	0.9191	0.3284	0.8437	0.7170	0.6891
1975-78	OBS.	998	448	249	200	51	26	13	7	4
	EXP.		405.8	281.3	203.0	56.4	28.6	11.9	6.1	5.0
	OBS./EXP.		1.104	0.885	0.985	0.905	0.910	1.096	1.142	0.803
	RELATIVE RISK		1.000	0.802	0.893	0.820	0.824	0.993	1.035	0.728
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8782	0.8345	0.7070	0.4630	0.4414	0.7036	0.9206	0.6483	0.5702

TABLE 4-7 ALL CAUSES

TABLE 4-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE (IN RAD)								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	11762	4736	3342	2080	612	503	207	102	180
TOTAL	EXP.	4673.8	3326.9	2152.0	662.9	513.1	201.9	90.6	140.9	
	OBS./EXP.	1.013	1.005	0.967	0.923	0.980	1.025	1.126	1.278	
	RELATIVE RISK	1.000	0.991	0.954	0.911	0.967	1.012	1.111	1.261	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.8943	0.9160	0.8265	0.4123	0.1959	0.0116	0.9489	0.5575	0.0076
1950-54	OBS.	1612	697	447	277	58	82	13	10	28
	EXP.	641.0	463.1	296.9	86.8	67.3	25.8	11.8	19.3	
	OBS./EXP.	1.087	0.965	0.933	0.668	1.219	0.505	0.844	1.449	
	RELATIVE RISK	1.000	0.888	0.858	0.615	1.121	0.464	0.776	1.333	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.9455	0.9953	0.2460	0.9847	0.7455	0.1832	0.9922	0.6564	0.5014
1955-58	OBS.	1711	676	494	335	81	58	31	15	21
	EXP.	682.8	486.6	315.2	94.8	71.1	28.0	12.4	20.0	
	OBS./EXP.	0.990	1.015	1.063	0.854	0.816	1.105	1.207	1.052	
	RELATIVE RISK	1.000	1.025	1.073	0.863	0.824	1.116	1.220	1.062	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.2381	0.8372	0.8667	0.3819	0.3612	0.4720	0.3935	0.7503	0.4256
1959-62	OBS.	1662	667	496	285	84	68	23	15	24
	EXP.	657.9	470.8	305.1	97.8	71.4	27.1	12.4	19.6	
	OBS./EXP.	1.014	1.054	0.934	0.859	0.953	0.849	1.214	1.222	
	RELATIVE RISK	1.000	1.039	0.921	0.847	0.940	0.837	1.197	1.205	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.8097	0.8161	0.6215	0.7087	0.3088	0.2580	0.8796	0.6962	0.3870
1963-66	OBS.	1771	674	521	306	124	71	34	16	25
	EXP.	702.5	496.7	326.8	102.6	77.0	30.8	13.4	21.2	
	OBS./EXP.	0.959	1.049	0.936	1.209	0.922	1.104	1.192	1.180	
	RELATIVE RISK	1.000	1.093	0.976	1.260	0.961	1.151	1.242	1.230	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.5614	0.0292	0.5079	0.2175	0.2302	0.2131	0.2665	0.3652	0.1351
1967-70	OBS.	1723	682	508	302	85	76	34	14	22
	EXP.	682.3	479.7	317.2	100.1	76.0	31.9	13.0	20.9	
	OBS./EXP.	1.000	1.059	0.952	0.849	0.975	1.066	1.080	1.054	
	RELATIVE RISK	1.000	1.059	0.953	0.849	0.975	1.067	1.081	1.055	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.7130	0.8553	0.4836	0.4107	0.4385	0.4384	0.8265	0.4005	0.3814
1971-74	OBS.	1643	657	440	296	98	75	36	11	30
	EXP.	652.1	457.3	301.4	93.8	74.7	30.7	13.4	19.6	
	OBS./EXP.	1.008	0.962	0.982	1.045	1.004	1.173	0.821	1.527	
	RELATIVE RISK	1.000	0.955	0.975	1.037	0.996	1.164	0.815	1.515	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.6138	0.3622	0.5293	0.2931	0.7154	0.0594	0.5247	0.4190	0.1815
1975-78	OBS.	1640	683	436	279	82	73	36	21	30
	EXP.	653.1	462.0	297.1	92.4	73.4	29.2	13.9	16.9	
	OBS./EXP.	1.046	0.944	0.939	0.888	0.968	1.234	1.510	1.776	
	RELATIVE RISK	1.000	0.902	0.898	0.849	0.925	1.180	1.444	1.699	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.8512	0.8189	0.6475	0.1807	0.1165	0.0169	0.8958	0.4543	0.0081

TABLE 4-8 ALL CAUSES

TABLE 4-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	11740	4694	3226	2392	663	380	183	84	116
	EXP.		4745.9	3302.6	2370.6	642.5	361.0	159.9	73.2	84.3
	OBS./EXP.		0.989	0.977	1.009	1.032	1.053	1.145	1.176	1.376
	RELATIVE RISK		1.000	0.988	1.020	1.043	1.064	1.157	1.189	1.391
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3362	0.2169	0.2019	0.0799	0.1285	0.0054	0.2406	0.0709	0.0040
									0.0020	0.0000
1950-54	OBS. TOTAL	1422	562	401	281	75	50	23	13	17
	EXP.		554.1	413.2	288.1	79.9	46.1	20.2	9.3	11.0
	OBS./EXP.		1.016	0.971	0.975	0.938	1.083	1.137	1.401	1.544
	RELATIVE RISK		1.000	0.957	0.962	0.925	1.068	1.121	1.382	1.522
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7593	0.7035	0.4808	0.4575	0.2697	0.1588	0.7630	0.4587	0.1112
									0.4780	0.0154
1955-58	OBS. TOTAL	1578	644	455	311	79	43	21	7	18
	EXP.		626.8	451.6	320.8	88.2	48.8	21.3	9.7	10.8
	OBS./EXP.		1.027	1.007	0.969	0.898	0.882	0.985	0.725	1.669
	RELATIVE RISK		1.000	0.981	0.943	0.872	0.858	0.959	0.705	1.625
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7273	0.8116	0.7538	0.5581	0.7746	0.0973	0.7996	0.7129	0.3180
									0.3180	0.3117
										0.2479
1959-62	OBS. TOTAL	1556	610	459	300	96	54	15	8	14
	EXP.		632.7	435.5	316.9	86.6	44.8	20.0	9.4	10.1
	OBS./EXP.		0.964	1.054	0.947	1.109	1.207	0.750	0.849	1.384
	RELATIVE RISK		1.000	1.093	0.982	1.150	1.252	0.778	0.880	1.435
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6109	0.1623	0.1549	0.7953	0.6390	0.1912	0.4134	0.3378	0.3195
									0.3195	0.2311
										0.1841
1963-66	OBS. TOTAL	1643	611	456	365	107	53	29	12	10
	EXP.		673.6	456.5	333.2	87.5	48.4	22.6	10.2	11.0
	OBS./EXP.		0.907	0.999	1.096	1.224	1.094	1.281	1.176	0.905
	RELATIVE RISK		1.000	1.101	1.208	1.369	1.206	1.412	1.296	0.998
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0237	0.0139	0.1686	0.1005	0.2682	0.4535	0.0061	0.0673	0.2959
									0.0165	0.0659
1967-70	OBS. TOTAL	1732	679	461	378	93	56	28	14	23
	EXP.		716.5	480.7	345.3	92.0	51.2	23.8	10.6	11.9
	OBS./EXP.		0.948	0.959	1.095	1.011	1.094	1.175	1.326	1.925
	RELATIVE RISK		1.000	1.012	1.155	1.067	1.154	1.240	1.399	2.031
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0664	0.2871	0.1839	0.1892	0.1748	0.0062	0.0736	0.1042	0.0061
									0.0061	0.0070
										0.0001
1971-74	OBS. TOTAL	1867	783	502	352	103	64	30	17	16
	EXP.		762.2	524.7	372.0	100.2	58.0	26.0	11.1	12.9
	OBS./EXP.		1.027	0.957	0.946	1.028	1.104	1.153	1.538	1.238
	RELATIVE RISK		1.000	0.931	0.921	1.001	1.074	1.123	1.497	1.206
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8041	0.5687	0.3600	0.3466	0.1464	0.3266	0.7835	0.2674	0.1277
									0.1277	0.3093
										0.0244
1975-78	OBS. TOTAL	1942	805	492	405	110	60	37	15	18
	EXP.		787.2	544.0	391.7	104.0	62.0	26.2	12.1	14.9
	OBS./EXP.		1.023	0.904	1.034	1.058	0.967	1.414	1.243	1.208
	RELATIVE RISK		1.000	0.884	1.011	1.035	0.946	1.383	1.215	1.181
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4995	0.4091	0.6319	0.0763	0.3216	0.3157	0.4468	0.3200	0.2283
									0.0776	0.0246

TABLE 4-9 ALL CAUSES

TABLE 4-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR CLASS		T=65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	18471	8423	4671	3366	918	566	222	121	184		
TOTAL	EXP.		8389.3	4769.7	3429.0	913.5	544.5	195.8	93.6	135.6		
	OBS./EXP.		1.004	0.979	0.982	1.005	1.039	1.134	1.293	1.357		
	RELATIVE RISK		1.000	0.973	0.978	1.001	1.035	1.129	1.288	1.351		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.7896	0.4980	0.2985	0.1056	0.0256	0.0021	0.7526	0.1386	0.0003	0.0000	0.0000
1950-54	OBS.	2317	1097	597	389	96	85	16	16	21		
	EXP.		1051.3	606.2	423.2	113.7	68.7	23.9	12.1	18.0		
	OBS./EXP.		1.043	0.985	0.919	0.845	1.238	0.670	1.321	1.169		
	RELATIVE RISK		1.000	0.944	0.881	0.809	1.186	0.642	1.266	1.121		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.9399	0.9255	0.1681	0.9131	0.2995	0.4082	0.9715	0.4236	0.2780	0.0227	0.3189
1955-58	OBS.	2568	1172	663	486	113	67	33	13	21		
	EXP.		1166.6	667.3	473.2	128.0	74.6	26.7	13.0	18.6		
	OBS./EXP.		1.005	0.994	1.027	0.883	0.899	1.235	0.999	1.131		
	RELATIVE RISK		1.000	0.989	1.022	0.879	0.894	1.229	0.995	1.126		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.3922	0.8357	0.7487	0.2206	0.5314	0.3865	0.5529	0.5563	0.4197	0.6741	0.3483
1959-62	OBS.	2552	1151	691	434	137	78	19	17	25		
	EXP.		1157.9	657.5	473.0	131.3	74.7	26.7	13.0	17.8		
	OBS./EXP.		0.994	1.051	0.918	1.043	1.044	0.712	1.307	1.401		
	RELATIVE RISK		1.000	1.057	0.923	1.050	1.050	0.716	1.315	1.410		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.8512	0.3634	0.4047	0.8677	0.2392	0.1293	0.7696	0.6202	0.0849	0.0953	0.1085
1963-66	OBS.	2697	1166	694	510	171	78	38	20	20		
	EXP.		1229.2	689.5	503.5	133.3	79.1	29.9	13.2	19.2		
	OBS./EXP.		0.949	1.007	1.013	1.283	0.986	1.271	1.516	1.039		
	RELATIVE RISK		1.000	1.061	1.068	1.352	1.039	1.340	1.598	1.096		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.1907	0.0042	0.4375	0.1127	0.0762	0.4267	0.0366	0.2168	0.1307	0.0040	0.0115
1967-70	OBS.	2709	1220	693	501	117	97	35	17	29		
	EXP.		1239.8	689.4	505.9	132.8	78.9	29.7	12.7	19.7		
	OBS./EXP.		0.984	1.005	0.990	0.881	1.230	1.177	1.335	1.478		
	RELATIVE RISK		1.000	1.022	1.006	0.895	1.250	1.196	1.357	1.500		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.4788	0.8021	0.0758	0.2483	0.2051	0.0715	0.6086	0.0545	0.0435	0.0518	0.0017
1971-74	OBS.	2756	1274	657	510	142	86	37	17	33		
	EXP.		1254.4	707.4	519.1	133.3	79.3	29.5	13.3	19.7		
	OBS./EXP.		1.016	0.929	0.982	1.065	1.085	1.255	1.281	1.676		
	RELATIVE RISK		1.000	0.914	0.967	1.049	1.068	1.236	1.261	1.651		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.6824	0.3332	0.3402	0.1995	0.2778	0.0214	0.6007	0.2095	0.0235	0.0115	0.0001
1975-78	OBS.	2872	1343	676	536	142	75	44	21	35		
	EXP.		1289.0	749.1	545.8	140.1	85.5	28.9	14.6	19.1		
	OBS./EXP.		1.042	0.902	0.982	1.014	0.877	1.521	1.463	1.835		
	RELATIVE RISK		1.000	0.866	0.943	0.973	0.842	1.460	1.385	1.761		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.8086	0.6082	0.8554	0.0390	0.1611	0.0094	0.7996	0.4860	0.0071	0.0000	0.0000

TABLE 4-10 ALL CAUSES

TABLE 4-10

NAGASAKI, MALE + FEMALE, ALL AGES

T-65 TOTAL DOSE IN RAD												
YEAR	CLASS	TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H		
1950-78	OBS.	5031	1007	1897	1106	357	317	168	67	112		
TOTAL	EXP.		1030.3	1859.8	1093.6	391.9	329.6	166.0	70.1	89.6		
	OBS./EXP.		0.977	1.020	1.011	0.911	0.962	1.012	0.955	1.250		
	RELATIVE RISK		1.000	1.044	1.035	0.932	0.984	1.036	0.977	1.279		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3476	0.8101	0.5982	0.4081	0.5633	0.0364	0.5126	0.5280	0.1116	0.1296	0.1323
1950-54	OBS.	717	162	251	169	37	47	20	7	24		
	EXP.		143.8	270.1	161.9	53.1	44.7	22.1	9.0	12.4		
	OBS./EXP.		1.127	0.929	1.044	0.697	1.051	0.905	0.777	1.939		
	RELATIVE RISK		1.000	0.825	0.927	0.619	0.932	0.804	0.689	1.721		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.7200	0.9749	0.6447	0.7834	0.7761	0.0391	0.8883	0.7455	0.1804	0.0037	0.0405
1955-58	OBS.	721	148	286	160	47	34	19	9	18		
	EXP.		143.0	270.9	162.9	55.0	45.3	22.6	9.1	12.2		
	OBS./EXP.		1.035	1.056	0.982	0.854	0.750	0.839	0.992	1.477		
	RELATIVE RISK		1.000	1.020	0.949	0.825	0.725	0.811	0.958	1.427		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.6502	0.8278	0.9038	0.7593	0.5650	0.1759	0.7428	0.9105	0.2729	0.2734	0.5206
1959-62	OBS.	666	126	264	151	43	44	19	8	13		
	EXP.		132.7	268.8	149.0	53.1	41.4	20.4	8.8	11.9		
	OBS./EXP.		0.950	1.061	1.013	0.810	1.063	0.931	0.684	1.090		
	RELATIVE RISK		1.000	1.118	1.067	0.853	1.120	0.981	0.720	1.148		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3818	0.7620	0.5677	0.5462	0.7534	0.4146	0.4839	0.4117	0.5640	0.7013	0.6578
1963-66	OBS.	717	119	283	161	60	46	25	8	15		
	EXP.		146.8	263.8	156.4	56.7	46.3	23.5	10.4	13.0		
	OBS./EXP.		0.810	1.073	1.029	1.059	0.993	1.062	0.767	1.155		
	RELATIVE RISK		1.000	1.324	1.270	1.306	1.225	1.310	0.946	1.426		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.1108	0.1175	0.2196	0.2212	0.5761	0.2138	0.0799	0.1525	0.3074	0.2966	0.3512
1967-70	OBS.	746	141	276	179	61	35	27	11	16		
	EXP.		159.0	271.0	156.5	59.2	50.3	26.0	10.8	13.2		
	OBS./EXP.		0.887	1.018	1.144	1.030	0.696	1.039	1.020	1.216		
	RELATIVE RISK		1.000	1.148	1.290	1.161	0.784	1.172	1.151	1.371		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.0654	0.2416	0.8525	0.3639	0.4344	0.2210	0.0673	0.7125	0.2261	0.1216	0.4926
1971-74	OBS.	754	166	285	138	59	53	29	11	13		
	EXP.		159.9	274.5	154.2	60.6	53.4	27.2	11.2	12.9		
	OBS./EXP.		1.038	1.038	0.895	0.974	0.992	1.065	0.983	1.009		
	RELATIVE RISK		1.000	1.000	0.862	0.938	0.955	1.026	0.947	0.972		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.8327	0.6568	0.6004	0.4879	0.5730	0.5456	0.8263	0.5489	0.5636	0.9142	0.5016
1975-78	OBS.	710	145	252	148	50	58	29	15	13		
	EXP.		151.2	256.9	143.1	56.3	52.0	26.4	11.4	12.7		
	OBS./EXP.		0.959	0.981	1.034	0.889	1.116	1.097	1.313	1.023		
	RELATIVE RISK		1.000	1.023	1.079	0.927	1.164	1.145	1.370	1.067		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3701	0.6610	0.2639	0.3156	0.2510	0.4595	0.4599	0.2358	0.2937	0.8381	0.1608

TABLE 4-11 ALL CAUSES

TABLE 4-11

HIROSHIMA, MALE, ALL AGES

YEAR	CLASS	1-65 TOTAL DOSE IN RAD									
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H	
1950-78	OBS.	9156	4154	2430	1580	412	320	110	61	109	
TOTAL	EXP.	4072.0	2464.2	1622.0	440.6	317.5	105.7	49.3	84.7		
	OBS./EXP.	1.020	0.986	0.962	0.935	1.008	1.041	1.238	1.287		
	RELATIVE RISK	1.000	0.967	0.943	0.917	0.988	1.021	1.213	1.262		
TEST	PROB.	A=C? 0.9266	A=D? 0.8914	A=E? 0.5704	A=F? 0.4576	A=G? 0.1523	A=H? 0.0459	A=CD? 0.9578	A=EF? 0.5303	A=GH? 0.0240	HOMO. 0.0170 TREND. 0.0068
1950-54	OBS.	1258	609	323	201	39	68	5	7	14	
	EXP.	561.3	341.7	220.7	58.5	43.1	14.0	6.8	11.8		
	OBS./EXP.	1.085	0.945	0.911	0.667	1.393	0.358	1.027	1.185		
	RELATIVE RISK	1.000	0.871	0.839	0.615	1.284	0.330	0.967	1.092		
TEST	PROB.	A=C? 0.9432	A=D? 0.9854	A=E? 0.1024	A=F? 0.9748	A=G? 0.5767	A=H? 0.4676	A=CD? 0.9869	A=EF? 0.4166	A=GH? 0.4720	HOMO. 0.0003 TREND. 0.6131
1955-58	OBS.	1353	591	365	258	57	40	20	8	14	
	EXP.	602.2	365.4	238.6	65.3	46.0	15.7	7.4	12.4		
	OBS./EXP.	0.981	0.999	1.081	0.873	0.869	1.275	1.083	1.128		
	RELATIVE RISK	1.000	1.018	1.102	0.890	0.886	1.299	1.104	1.150		
TEST	PROB.	A=C? 0.1779	A=D? 0.7416	A=E? 0.7219	A=F? 0.2290	A=G? 0.4542	A=H? 0.4031	A=CD? 0.2899	A=EF? 0.5313	A=GH? 0.3724	HOMO. 0.6245 TREND. 0.2955
1959-62	OBS.	1297	591	366	206	56	41	12	11	14	
	EXP.	575.9	347.6	228.8	66.1	45.4	14.9	7.1	11.4		
	OBS./EXP.	1.028	1.053	0.901	0.848	0.903	0.808	1.556	1.224		
	RELATIVE RISK	1.000	1.026	0.877	0.826	0.880	0.787	1.516	1.193		
TEST	PROB.	A=C? 0.8865	A=D? 0.8516	A=E? 0.7300	A=F? 0.7494	A=G? 0.1947	A=H? 0.3586	A=CD? 0.9255	A=EF? 0.7886	A=GH? 0.1842	HOMO. 0.2283 TREND. 0.4099
1963-66	OBS.	1380	602	373	234	86	44	20	10	11	
	EXP.	612.5	367.3	246.5	69.4	48.3	16.6	7.0	12.4		
	OBS./EXP.	0.983	1.016	0.949	1.239	0.911	1.205	1.430	0.885		
	RELATIVE RISK	1.000	1.033	0.966	1.260	0.927	1.226	1.455	0.901		
TEST	PROB.	A=C? 0.6415	A=D? 0.0805	A=E? 0.6605	A=F? 0.2879	A=G? 0.2352	A=H? 0.6267	A=CD? 0.3864	A=EF? 0.4888	A=GH? 0.4072	HOMO. 0.3455 TREND. 0.2777
1967-70	OBS.	1317	591	365	219	48	56	17	7	14	
	EXP.	585.2	348.8	236.9	65.7	45.7	15.7	6.5	12.6		
	OBS./EXP.	1.010	1.046	0.925	0.731	1.226	1.083	1.070	1.113		
	RELATIVE RISK	1.000	1.036	0.916	0.724	1.214	1.073	1.060	1.103		
TEST	PROB.	A=C? 0.8004	A=D? 0.9454	A=E? 0.1815	A=F? 0.4761	A=G? 0.2441	A=H? 0.4405	A=CD? 0.9130	A=EF? 0.1916	A=GH? 0.4337	HOMO. 0.1794 TREND. 0.3299
1971-74	OBS.	1264	567	318	223	72	41	16	8	21	
	EXP.	561.8	337.8	228.7	60.2	42.1	14.6	6.9	12.0		
	OBS./EXP.	1.009	0.941	0.975	1.196	0.973	1.097	0.869	1.752		
	RELATIVE RISK	1.000	0.933	0.966	1.185	0.964	1.086	0.861	1.736		
TEST	PROB.	A=C? 0.6329	A=D? 0.1689	A=E? 0.5878	A=F? 0.4774	A=G? 0.6594	A=H? 0.0451	A=CD? 0.4625	A=EF? 0.5310	A=GH? 0.1218	HOMO. 0.1216 TREND. 0.0119
1975-78	OBS.	1287	603	320	219	54	38	20	12	21	
	EXP.	566.9	351.6	232.9	59.8	44.9	13.5	7.2	10.1		
	OBS./EXP.	1.064	0.910	0.940	0.903	0.846	1.477	1.662	2.078		
	RELATIVE RISK	1.000	0.856	0.884	0.849	0.795	1.389	1.562	1.953		
TEST	PROB.	A=C? 0.8807	A=D? 0.8187	A=E? 0.8493	A=F? 0.1679	A=G? 0.1673	A=H? 0.0167	A=CD? 0.9118	A=EF? 0.6490	A=GH? 0.0103	HOMO. 0.0003 TREND. 0.0002

TABLE 4-12 ALL CAUSES

TABLE 4-12

HIROSHIMA, FEMALE, ALL AGES

YEAR	CLASS	Y-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	9315	4269	2241	1806	506	246	112	60	75
TOTAL	EXP.		4317.4	2305.5	1806.9	472.9	227.0	90.1	44.3	50.9
	OBS./EXP.		0.989	0.972	0.999	1.070	1.084	1.243	1.354	1.473
	RELATIVE RISK		1.000	0.983	1.011	1.082	1.096	1.257	1.379	1.490
	TEST PROB.	A=C? 0.3966	A=D? 0.1163	A=E? 0.1581	A=F? 0.0658	A=G? 0.0447	A=H? 0.0073	A=I? 0.2446	A=J? 0.0428	A=K? 0.0016
										TREND, 0.0000
1950-54	OBS.	1059	488	274	188	57	25	11	9	7
	EXP.		490.0	264.5	202.4	55.2	25.6	9.9	5.3	6.1
	OBS./EXP.		0.996	1.036	0.929	1.033	0.976	1.110	1.701	1.140
	RELATIVE RISK		1.000	1.040	0.933	1.037	0.980	1.115	1.708	1.144
	TEST PROB.	A=C? 0.7292	A=D? 0.6452	A=E? 0.5581	A=F? 0.4665	A=G? 0.1783	A=H? 0.4583	A=I? 0.6723	A=J? 0.4767	A=K? 0.2098
										TREND, 0.1605
1955-58	OBS.	1215	581	298	228	56	27	13	5	7
	EXP.		564.4	301.9	234.6	62.7	28.5	11.0	5.6	6.2
	OBS./EXP.		1.029	0.987	0.972	0.893	0.946	1.178	0.889	1.137
	RELATIVE RISK		1.000	0.959	0.944	0.868	0.919	1.144	0.864	1.105
	TEST PROB.	A=C? 0.7148	A=D? 0.7816	A=E? 0.6558	A=F? 0.4274	A=G? 0.6505	A=H? 0.4439	A=I? 0.7808	A=J? 0.5658	A=K? 0.5389
										TREND, 0.9529
1959-62	OBS.	1255	560	325	228	81	37	7	6	11
	EXP.		582.1	309.9	244.3	65.3	29.3	11.8	5.9	6.4
	OBS./EXP.		0.962	1.049	0.933	1.241	1.262	0.592	1.011	1.718
	RELATIVE RISK		1.000	1.090	0.970	1.290	1.312	0.615	1.051	1.785
	TEST PROB.	A=C? 0.6170	A=D? 0.0668	A=E? 0.1393	A=F? 0.8472	A=G? 0.4435	A=H? 0.1064	A=I? 0.3616	A=J? 0.3364	A=K? 0.1684
										TREND, 0.0479
1963-66	OBS.	1317	564	321	276	85	34	18	10	9
	EXP.		616.8	322.2	257.0	63.9	30.8	13.3	6.2	6.8
	OBS./EXP.		0.914	0.996	1.074	1.330	1.103	1.354	1.612	1.320
	RELATIVE RISK		1.000	1.099	1.125	1.455	1.206	1.481	1.763	1.444
	TEST PROB.	A=C? 0.0595	A=D? 0.0106	A=E? 0.2367	A=F? 0.1386	A=G? 0.1233	A=H? 0.2569	A=I? 0.0136	A=J? 0.1108	A=K? 0.0846
										TREND, 0.0091
1967-70	OBS.	1392	629	328	282	69	41	18	10	15
	EXP.		654.6	340.6	269.1	67.2	33.2	14.0	6.2	7.1
	OBS./EXP.		0.961	0.963	1.048	1.027	1.236	1.282	1.614	2.119
	RELATIVE RISK		1.000	1.002	1.091	1.069	1.286	1.335	1.680	2.206
	TEST PROB.	A=C? 0.2008	A=D? 0.3698	A=E? 0.1407	A=F? 0.2181	A=G? 0.1433	A=H? 0.0165	A=I? 0.1939	A=J? 0.0880	A=K? 0.0091
										TREND, 0.0177
1971-74	OBS.	1492	707	339	287	70	45	21	11	12
	EXP.		692.6	369.6	290.5	73.1	37.1	14.9	6.4	7.7
	OBS./EXP.		1.021	0.917	0.988	0.957	1.211	1.410	1.728	1.559
	RELATIVE RISK		1.000	0.898	0.968	0.938	1.187	1.382	1.692	1.527
	TEST PROB.	A=C? 0.6395	A=D? 0.6559	A=E? 0.2193	A=F? 0.1638	A=G? 0.1235	A=H? 0.1625	A=I? 0.6747	A=J? 0.1159	A=K? 0.0565
										TREND, 0.0596
1975-78	OBS.	1585	740	356	317	88	37	24	9	14
	EXP.		722.1	397.5	312.9	80.3	40.6	15.4	7.3	9.0
	OBS./EXP.		1.025	0.896	1.013	1.096	0.911	1.560	1.227	1.561
	RELATIVE RISK		1.000	0.874	0.989	1.070	0.889	1.522	1.198	1.523
	TEST PROB.	A=C? 0.5623	A=D? 0.3538	A=E? 0.6938	A=F? 0.0780	A=G? 0.3956	A=H? 0.1313	A=I? 0.4913	A=J? 0.3689	A=K? 0.1507
										TREND, 0.0406

TABLE 4-13 ALL CAUSES

TABLE 4-13

NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD									
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	
		A	B	C	D	E	F	G	H		
1950-78	OBS.	2606	582	912	520	200	183	97	41	71	
TOTAL	EXP.		601.8	862.7	529.9	222.3	195.6	96.2	41.3	56.2	
	OBS./EXP.		0.967	1.057	0.981	0.900	0.936	1.008	0.993	1.264	
	RELATIVE RISK		1.000	1.093	1.015	0.930	0.968	1.042	1.027	1.307	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4576	0.7438	0.6328	0.4343	0.4887	0.0496	0.5820	0.5659	0.1241	0.1356	0.2066
1950-54	OBS.	354	88	124	76	19	22	8	3	14	
	EXP.		79.7	121.3	76.2	28.3	24.2	11.8	5.0	7.5	
	OBS./EXP.		1.104	1.022	0.998	0.671	0.909	0.680	0.597	1.865	
	RELATIVE RISK		1.000	0.925	0.904	0.608	0.823	0.615	0.540	1.689	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.6815	0.9320	0.7686	0.8744	0.8175	0.1248	0.8449	0.8679	0.3427	0.0956	0.3522
1955-58	OBS.	358	85	129	77	24	18	11	7	7	
	EXP.		80.4	121.2	76.6	29.5	25.1	12.4	5.0	7.6	
	OBS./EXP.		1.055	1.064	1.005	0.813	0.718	0.890	1.390	0.926	
	RELATIVE RISK		1.000	1.009	0.952	0.770	0.680	0.844	1.317	0.878	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.6282	0.8147	0.8836	0.8892	0.3863	0.6487	0.7212	0.8739	0.4593	0.6712	0.7715
1959-62	OBS.	365	76	130	79	28	27	11	4	10	
	EXP.		82.0	123.2	76.4	31.7	29.9	12.2	5.3	8.2	
	OBS./EXP.		0.927	1.055	1.034	0.882	1.041	0.900	0.757	1.218	
	RELATIVE RISK		1.000	1.138	1.116	0.952	1.123	0.971	0.816	1.314	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.3382	0.5906	0.3961	0.5441	0.6591	0.3364	0.4089	0.4261	0.4503	0.9397	0.4879
1963-66	OBS.	391	72	148	72	38	27	14	8	14	
	EXP.		90.1	129.5	80.3	33.1	28.7	14.2	6.4	8.8	
	OBS./EXP.		0.799	1.163	0.897	1.147	0.941	0.986	0.933	1.599	
	RELATIVE RISK		1.000	1.430	1.122	1.435	1.177	1.233	1.167	2.001	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.3617	0.1022	0.3224	0.3386	0.4549	0.0528	0.2119	0.2696	0.0869	0.1093	0.1130
1967-70	OBS.	406	91	143	83	37	20	17	7	8	
	EXP.		97.1	130.9	80.3	34.5	32.3	16.2	6.4	8.3	
	OBS./EXP.		0.937	1.092	1.034	1.073	0.619	1.050	1.091	0.965	
	RELATIVE RISK		1.000	1.166	1.103	1.145	0.661	1.120	1.164	1.029	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.3593	0.3334	0.9013	0.4673	0.4811	0.4474	0.3008	0.8044	0.4541	0.4332	0.7565
1971-74	OBS.	379	90	122	73	26	34	20	5	9	
	EXP.		90.3	119.5	72.7	33.6	32.6	16.1	6.5	7.7	
	OBS./EXP.		0.996	1.021	1.003	0.775	1.043	1.243	0.770	1.175	
	RELATIVE RISK		1.000	1.025	1.007	0.778	1.047	1.247	0.772	1.179	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4789	0.8180	0.4890	0.2863	0.6956	0.4348	0.6551	0.3505	0.5051	0.8303	0.3280
1975-78	OBS.	353	80	116	60	28	35	16	9	9	
	EXP.		86.2	110.4	64.2	32.6	30.5	15.6	6.7	8.8	
	OBS./EXP.		0.928	1.051	0.934	0.859	1.146	1.023	1.346	1.327	
	RELATIVE RISK		1.000	1.132	1.006	0.926	1.235	1.102	1.450	1.430	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4760	0.6304	0.2426	0.4297	0.2941	0.2937	0.5680	0.2557	0.1981	0.7720	0.1136

TABLE 4-14 ALL CAUSES

TABLE 4-14

NAGASAKI, FEMALE, ALL AGES

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	2425	425	985	586	157	134	71	26	41
	EXP.		428.5	997.1	563.7	169.7	134.0	69.7	28.9	33.4
	OBS./EXP.		0.992	0.988	1.040	0.925	1.000	1.018	0.901	1.228
	RELATIVE RISK		1.000	0.996	1.048	0.933	1.008	1.027	0.909	1.238
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3335	0.7315	0.4882	0.4581	0.6545	0.1706	0.4401	0.4822	0.3239
									HOMO.	TREND.
									0.7599	0.2291
1950-54	OBS.	363	74	127	93	18	25	12	4	10
	EXP.		64.1	148.7	85.7	24.8	20.5	10.3	4.0	4.9
	OBS./EXP.		1.154	0.854	1.085	0.727	1.217	1.163	1.004	2.054
	RELATIVE RISK		1.000	0.740	0.940	0.630	1.055	1.007	0.869	1.779
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6567	0.9122	0.4518	0.4583	0.5967	0.1136	0.7753	0.4585	0.2128
									HOMO.	TREND.
									0.0480	0.0152
1955-58	OBS.	363	63	157	83	23	16	8	2	11
	EXP.		62.4	149.7	86.2	25.5	20.2	10.3	4.0	4.6
	OBS./EXP.		1.009	1.049	0.963	0.902	0.790	0.778	0.495	2.377
	RELATIVE RISK		1.000	1.039	0.954	0.894	0.783	0.771	0.491	2.355
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6053	0.6007	0.7592	0.7287	0.8096	0.0331	0.6475	0.7910	0.1979
									HOMO.	TREND.
									0.0934	0.1711
1959-62	OBS.	301	50	134	72	15	17	8	2	3
	EXP.		50.7	125.5	72.6	21.3	15.4	8.2	3.5	3.7
	OBS./EXP.		0.987	1.067	0.991	0.703	1.101	0.979	0.573	0.808
	RELATIVE RISK		1.000	1.082	1.005	0.713	1.116	0.992	0.580	0.819
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5216	0.8260	0.4954	0.5423	0.7676	0.6427	0.6397	0.4666	0.7463
									HOMO.	TREND.
									0.8328	0.7590
1963-66	OBS.	326	47	135	89	22	19	11	2	1
	EXP.		56.8	134.3	76.2	23.6	17.8	9.3	4.0	4.2
	OBS./EXP.		0.828	1.005	1.168	0.936	1.079	1.177	0.499	0.236
	RELATIVE RISK		1.000	1.216	1.411	1.128	1.303	1.422	0.603	0.286
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0931	0.4165	0.2950	0.2966	0.7557	0.8733	0.1256	0.2206	0.8796
									HOMO.	TREND.
									0.3242	0.8542
1967-70	OBS.	340	50	133	96	24	15	10	4	8
	EXP.		61.9	140.1	76.2	24.8	18.0	9.8	4.4	4.9
	OBS./EXP.		0.808	0.949	1.260	0.968	0.832	1.021	0.912	1.643
	RELATIVE RISK		1.000	1.175	1.559	1.199	1.030	1.264	1.135	2.033
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0384	0.3153	0.5340	0.3970	0.4252	0.1257	0.0938	0.4732	0.1882
									HOMO.	TREND.
									0.1469	0.1764
1971-74	OBS.	375	76	163	65	33	19	9	6	4
	EXP.		69.6	155.0	81.5	27.0	20.8	11.1	4.7	5.2
	OBS./EXP.		1.092	1.051	0.798	1.221	0.911	0.809	1.280	0.766
	RELATIVE RISK		1.000	0.963	0.730	1.118	0.834	0.741	1.172	0.701
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9257	0.3964	0.7206	0.7522	0.4480	0.7350	0.8460	0.7746	0.5955
									HOMO.	TREND.
									0.3994	0.7261
1975-78	OBS.	357	65	136	88	22	23	13	6	4
	EXP.		65.1	146.5	78.9	23.7	21.4	10.8	4.7	5.9
	OBS./EXP.		0.999	0.928	1.116	0.929	1.072	1.206	1.266	0.675
	RELATIVE RISK		1.000	0.929	1.117	0.929	1.073	1.207	1.267	0.676
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3513	0.6264	0.4768	0.3564	0.4442	0.7556	0.4115	0.4004	0.5902
									HOMO.	TREND.
									0.8192	0.4275

TABLE 5-1 ALL NATURAL CAUSES

TABLE 5-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	TOTAL	1-65 TOTAL DOSE IN RAD								
			0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H	
1950-78 TOTAL	OBS. EXP.	22131	8859 8873.3	8162 8232.8	4245 4270.5	1199 1233.0	832 819.7	375 338.2	182 153.2	277 210.3	
	OBS./EXP. RELATIVE RISK		0.998 1.000	0.989 0.990	0.994 0.996	0.972 0.974	1.015 1.017	1.109 1.111	1.188 1.190	1.317 1.319	
	TEST PROB.	A=C? 0.5991	A=D? 0.6804	A=E? 0.3235	A=F? 0.0629	A=G? 0.0396	A=H? 0.0004	A=I? 0.6520	A=J? 0.1212	HOMO. 0.0000	TREND. 0.0000
1950-54	OBS. EXP.	2830	1158 1113.2	802 817.0	524 548.4	124 156.2	121 105.2	36 42.6	23 19.5	44 27.9	
	OBS./EXP. RELATIVE RISK		1.040 1.000	0.982 0.944	0.956 0.919	0.794 0.763	1.151 1.106	0.799 0.768	1.178 1.133	1.575 1.514	
	TEST PROB.	A=C? 0.9159	A=D? 0.9824	A=E? 0.2802	A=F? 0.8990	A=G? 0.3855	A=H? 0.0395	A=I? 0.9756	A=J? 0.5612	HOMO. 0.0010	TREND. 0.0269
1955-58	OBS. EXP.	3052	1219 1213.7	878 869.8	608 593.2	148 170.8	94 110.6	49 45.4	21 20.3	35 28.2	
	OBS./EXP. RELATIVE RISK		1.004 1.000	1.009 1.005	1.025 1.021	0.867 0.863	0.850 0.846	1.080 1.075	1.035 1.030	1.241 1.236	
	TEST PROB.	A=C? 0.3918	A=D? 0.9060	A=E? 0.8682	A=F? 0.3831	A=G? 0.4691	A=H? 0.2233	A=I? 0.5944	A=J? 0.7551	HOMO. 0.3099	TREND. 0.3463
1959-62	OBS. EXP.	3024	1192 1211.9	892 850.1	558 586.7	170 174.4	118 108.9	35 44.0	23 20.4	36 27.7	
	OBS./EXP. RELATIVE RISK		0.984 1.000	1.049 1.067	0.951 0.967	0.975 0.991	1.084 1.102	0.795 0.808	1.129 1.148	1.300 1.322	
	TEST PROB.	A=C? 0.7039	A=D? 0.4973	A=E? 0.2314	A=F? 0.8130	A=G? 0.3155	A=H? 0.1138	A=I? 0.6658	A=J? 0.4439	HOMO. 0.1003	TREND. 0.1579
1963-66	OBS. EXP.	3205	1214 1291.9	905 893.2	637 621.5	215 179.1	112 117.4	61 49.9	27 22.0	34 30.0	
	OBS./EXP. RELATIVE RISK		0.940 1.000	1.013 1.078	1.025 1.091	1.201 1.278	0.954 1.015	1.223 1.301	1.225 1.303	1.134 1.206	
	TEST PROB.	A=C? 0.1001	A=D? 0.0042	A=E? 0.4007	A=F? 0.0544	A=G? 0.1319	A=H? 0.2043	A=I? 0.0180	A=J? 0.1515	HOMO. 0.0831	TREND. 0.0110
1967-70	OBS. EXP.	3266	1289 1325.0	913 905.9	647 626.9	168 181.7	125 121.4	59 52.2	27 22.0	38 30.7	
	OBS./EXP. RELATIVE RISK		0.973 1.000	1.008 1.036	1.032 1.061	0.924 0.950	1.030 1.058	1.130 1.161	1.225 1.259	1.236 1.271	
	TEST PROB.	A=C? 0.2177	A=D? 0.6444	A=E? 0.2452	A=F? 0.1856	A=G? 0.1749	A=H? 0.1314	A=I? 0.3283	A=J? 0.1359	HOMO. 0.0677	TREND. 0.0277
1971-74	OBS. EXP.	3310	1365 1336.1	875 923.9	610 636.1	191 183.0	135 124.6	65 53.0	26 22.8	43 30.5	
	OBS./EXP. RELATIVE RISK		1.022 1.000	0.947 0.927	0.959 0.939	1.043 1.021	1.084 1.061	1.226 1.200	1.138 1.114	1.411 1.381	
	TEST PROB.	A=C? 0.8155	A=D? 0.4399	A=E? 0.3362	A=F? 0.1636	A=G? 0.3793	A=H? 0.0687	A=I? 0.7487	A=J? 0.1827	HOMO. 0.0819	TREND. 0.0010
1975-78	OBS. EXP.	3444	1422 1386.3	897 966.0	661 662.8	183 188.9	127 131.7	72 53.0	35 24.9	47 30.4	
	OBS./EXP. RELATIVE RISK		1.026 1.000	0.929 0.905	0.997 0.972	0.969 0.945	0.964 0.940	1.360 1.326	1.403 1.368	1.546 1.507	
	TEST PROB.	A=C? 0.6841	A=D? 0.6679	A=E? 0.8708	A=F? 0.0288	A=G? 0.0931	A=H? 0.0188	A=I? 0.7156	A=J? 0.2856	HOMO. 0.0070	TREND. 0.0000

TABLE 5-2 ALL NATURAL CAUSES

TABLE 5-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

		T=65 TOTAL DOSE IN RAD									
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	
			A	B	C	D	E	F	G	H	
1950-78	OBS.	318	113	87	61	16	12	17	1	11	
TOTAL	EXP.		118.8	98.9	66.4	15.8	8.8	4.5	1.9	2.9	
	OBS./EXP.		0.951	0.880	0.919	1.016	1.369	3.752	0.527	3.767	
	RELATIVE RISK		1.000	0.925	0.966	1.068	1.639	3.945	0.554	3.960	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.5797	0.4726	0.2310	0.0002	0.7461	0.0022	0.5670	0.0043	0.0234	0.0000	0.0000
1950-54	OBS.	54	16	9	13	5	5	1	0	5	
EXP.			18.9	17.4	11.6	2.8	1.6	0.9	0.3	0.6	
	OBS./EXP.		0.848	0.518	1.124	1.783	3.135	1.167	0.000	8.565	
	RELATIVE RISK		1.000	0.611	1.326	2.104	3.722	1.377	0.000	10.106	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.3713	0.2969	0.0667	0.4569	0.8000	0.0038	0.2761	0.1127	0.0274	0.0000	0.0000
1955-58	OBS.	38	13	11	7	3	0	3	0	1	
EXP.			13.0	12.4	8.2	2.0	1.1	0.6	0.2	0.4	
	OBS./EXP.		1.001	0.888	0.852	1.503	0.000	4.841	0.000	2.460	
	RELATIVE RISK		1.000	0.888	0.851	1.502	0.000	4.838	0.000	2.458	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.5796	0.4009	0.8620	0.1056	0.7907	0.2897	0.5267	0.4369	0.3335	0.0923	0.0642
1959-62	OBS.	38	13	8	7	2	2	3	0	3	
EXP.			14.0	11.9	8.0	1.9	1.1	0.6	0.2	0.4	
	OBS./EXP.		0.927	0.673	0.877	1.064	1.873	5.254	0.000	8.377	
	RELATIVE RISK		1.000	0.726	0.945	1.147	2.020	5.667	0.000	9.036	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4413	0.3939	0.4750	0.0366	0.7825	0.0147	0.4377	0.0646	0.0649	0.0000	0.0000
1963-66	OBS.	32	15	6	6	1	1	2	0	1	
EXP.			11.5	10.2	6.8	1.6	0.9	0.5	0.2	0.3	
	OBS./EXP.		1.303	0.590	0.883	0.617	1.089	4.170	0.000	3.228	
	RELATIVE RISK		1.000	0.453	0.678	0.474	0.836	3.201	0.000	2.477	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.7779	0.7745	0.6289	0.3316	0.7888	0.2821	0.8235	0.4164	0.3207	0.2052	0.0769
1967-70	OBS.	45	16	15	7	2	3	0	1	1	
EXP.			17.4	13.7	9.3	2.2	1.2	0.6	0.3	0.4	
	OBS./EXP.		0.921	1.091	0.755	0.915	2.534	0.000	3.913	2.590	
	RELATIVE RISK		1.000	1.185	0.820	0.994	2.752	0.000	4.250	2.813	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.7214	0.5733	0.2774	0.8260	0.2721	0.2934	0.6788	0.4548	0.3016	0.3910	0.0693
1971-74	OBS.	50	15	20	9	2	1	3	0	0	
EXP.			19.4	15.2	10.3	2.4	1.3	0.7	0.3	0.4	
	OBS./EXP.		0.772	1.315	0.877	0.832	0.753	4.504	0.000	0.000	
	RELATIVE RISK		1.000	1.702	1.135	1.077	0.975	5.830	0.000	0.000	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4383	0.3948	0.3673	0.0454	0.7797	0.7869	0.4417	0.1545	0.8028	0.1050	0.3409
1975-78	OBS.	61	25	18	12	1	0	5	0	0	
EXP.			24.6	18.1	12.3	2.9	1.5	0.7	0.3	0.5	
	OBS./EXP.		1.015	0.993	0.976	0.348	0.000	6.740	0.000	0.000	
	RELATIVE RISK		1.000	0.979	0.962	0.343	0.000	6.661	0.000	0.000	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.5662	0.8444	0.8810	0.0038	0.7966	0.8148	0.6650	0.1916	0.8398	0.0002	0.2548

TABLE 5-3 ALL NATURAL CAUSES

TABLE 5-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T=85 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	975	337	298	152	40	63	36	21	28
	EXP.	360.5		303.7	156.3	51.0	54.0	25.0	10.3	14.0
	OBS./EXP.		0.935	0.981	0.972	0.784	1.166	1.439	2.006	2.007
	RELATIVE RISK		1.000	1.050	1.040	0.839	1.248	1.540	2.166	2.167
	TEST PROB.	A=C? 0.3429	A=D? 0.7590	A=E? 0.0924	A=F? 0.0393	A=G? 0.0086	A=H? 0.0022	A=I? 0.4671	A=J? 0.0235	A=K? 0.0001
									HOMO. 0.0000	TREND. 0.0000
1950-54	OBS. TOTAL	144	63	39	17	5	6	5	5	4
	EXP.	51.4		44.7	23.4	8.0	8.7	4.1	1.6	2.1
	OBS./EXP.		1.226	0.872	0.728	0.627	0.688	1.220	3.058	1.909
	RELATIVE RISK		1.000	0.711	0.593	0.511	0.561	0.995	2.494	1.556
	TEST PROB.	A=C? 0.9350	A=D? 0.8429	A=E? 0.8597	A=F? 0.4790	A=G? 0.1308	A=H? 0.3860	A=I? 0.9595	A=J? 0.7931	A=K? 0.1239
									HOMO. 0.0235	TREND. 0.0710
1955-58	OBS. TOTAL	133	55	36	25	3	7	5	1	1
	EXP.	48.8		41.3	21.4	7.1	7.6	3.6	1.4	1.9
	OBS./EXP.		1.127	0.872	1.170	0.425	0.923	1.407	0.690	0.526
	RELATIVE RISK		1.000	0.774	1.038	0.377	0.819	1.249	0.612	0.467
	TEST PROB.	A=C? 0.4758	A=D? 0.9019	A=E? 0.5842	A=F? 0.3952	A=G? 0.6947	A=H? 0.7634	A=I? 0.6550	A=J? 0.4581	A=K? 0.7697
									HOMO. 0.5714	TREND. 0.7488
1959-62	OBS. TOTAL	89	27	28	14	3	10	3	1	3
	EXP.	34.4		26.8	14.5	4.5	4.5	2.1	0.9	1.2
	OBS./EXP.		0.785	1.044	0.965	0.665	2.203	1.452	1.053	2.467
	RELATIVE RISK		1.000	1.330	1.229	0.847	2.806	1.850	1.342	3.143
	TEST PROB.	A=C? 0.3362	A=D? 0.5845	A=E? 0.0405	A=F? 0.4497	A=G? 0.3669	A=H? 0.1690	A=I? 0.3539	A=J? 0.0623	A=K? 0.2175
									HOMO. 0.0917	TREND. 0.0068
1963-66	OBS. TOTAL	107	32	40	19	5	5	5	0	1
	EXP.	38.4		33.2	17.4	5.9	6.3	2.9	1.2	1.6
	OBS./EXP.		0.832	1.203	1.089	0.849	0.795	1.716	0.000	0.616
	RELATIVE RISK		1.000	1.445	1.308	1.021	0.955	2.062	0.000	0.764
	TEST PROB.	A=C? 0.2792	A=D? 0.5788	A=E? 0.4409	A=F? 0.2369	A=G? 0.8456	A=H? 0.6634	A=I? 0.3326	A=J? 0.3347	A=K? 0.7987
									HOMO. 0.5407	TREND. 0.6524
1967-70	OBS. TOTAL	127	35	43	25	5	7	6	1	5
	EXP.	44.7		39.8	20.3	6.7	7.1	3.3	1.4	1.8
	OBS./EXP.		0.749	1.081	1.232	0.752	0.989	1.825	0.728	2.729
	RELATIVE RISK		1.000	1.443	1.644	1.003	1.320	2.436	0.972	3.643
	TEST PROB.	A=C? 0.0971	A=D? 0.6310	A=E? 0.3437	A=F? 0.1118	A=G? 0.4400	A=H? 0.0270	A=I? 0.1292	A=J? 0.1477	A=K? 0.0712
									HOMO. 0.0752	TREND. 0.0098
1971-74	OBS. TOTAL	170	56	59	20	9	11	5	6	4
	EXP.	62.2		53.9	26.9	8.9	9.4	4.4	1.8	2.5
	OBS./EXP.		0.900	1.094	0.742	1.016	1.164	1.147	3.325	1.611
	RELATIVE RISK		1.000	1.215	0.825	1.129	1.293	1.274	3.693	1.789
	TEST PROB.	A=C? 0.6961	A=D? 0.4680	A=E? 0.3725	A=F? 0.4399	A=G? 0.0264	A=H? 0.2933	A=I? 0.4033	A=J? 0.3555	A=K? 0.0331
									HOMO. 0.0488	TREND. 0.0084
1975-78	OBS. TOTAL	205	69	53	32	10	17	7	7	10
	EXP.	78.7		63.8	32.5	10.1	10.4	4.7	2.0	2.8
	OBS./EXP.		0.876	0.831	0.986	0.993	1.638	1.480	3.421	3.601
	RELATIVE RISK		1.000	0.948	1.125	1.133	1.869	1.689	3.904	4.110
	TEST PROB.	A=C? 0.3288	A=D? 0.4012	A=E? 0.0364	A=F? 0.1360	A=G? 0.0062	A=H? 0.0006	A=I? 0.3197	A=J? 0.0212	A=K? 0.0000
									HOMO. 0.0000	TREND. 0.0000

TABLE 5-4 ALL NATURAL CAUSES

TABLE 5-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	2024	785	546	351	127	96	58	23	38
	EXP.		786.6	579.8	360.5	115.7	89.2	43.9	21.6	26.6
	OBS./EXP. RELATIVE RISK		0.998 1.000	0.942 0.944	0.974 0.976	1.098 1.100	1.076 1.078	1.321 1.324	1.064 1.066	1.426 1.429
	TEST PROB.	A=C? 0.6077	A=D? 0.2490	A=E? 0.4138	A=F? 0.1052	A=G? 0.4857	A=H? 0.0858	A=CD? 0.4603	A=EF? 0.1853	A=GH? 0.1241
									HOMO. 0.0585	TREND. 0.0008
1950-54	OBS. EXP.	247	85 94.5	73 71.3	53 44.2	11 14.3	13 11.2	6 5.6	2 2.7	4 3.3
	OBS./EXP. RELATIVE RISK		0.900 1.000	1.023 1.137	1.200 1.333	0.770 0.856	1.165 1.294	1.077 1.197	0.751 0.835	1.194 1.327
	TEST PROB.	A=C? 0.1369	A=D? 0.6316	A=E? 0.3673	A=F? 0.4368	A=G? 0.6405	A=H? 0.4729	A=CD? 0.2050	A=EF? 0.3672	A=GH? 0.4370
									HOMO. 0.7569	TREND. 0.3315
1955-58	OBS. EXP.	209	70 78.0	67 60.9	35 37.8	16 12.5	6 9.8	7 4.9	1 2.3	7 2.9
	OBS./EXP. RELATIVE RISK		0.898 1.000	1.100 1.226	0.927 1.032	1.279 1.425	0.614 0.684	1.441 1.605	0.426 0.475	2.420 2.696
	TEST PROB.	A=C? 0.4741	A=D? 0.2052	A=E? 0.7266	A=F? 0.2435	A=G? 0.7571	A=H? 0.0653	A=CD? 0.3280	A=EF? 0.4561	A=GH? 0.2098
									HOMO. 0.1098	TREND. 0.0481
1959-62	OBS. EXP.	196	72 76.6	63 55.7	30 35.1	12 11.3	12 8.5	1 4.2	2 2.1	4 2.6
	OBS./EXP. RELATIVE RISK		0.939 1.000	1.132 1.205	0.855 0.910	1.062 1.131	1.406 1.497	0.239 0.255	0.972 1.035	1.566 1.667
	TEST PROB.	A=C? 0.6552	A=D? 0.4757	A=E? 0.2545	A=F? 0.8937	A=G? 0.4842	A=H? 0.3495	A=CD? 0.5845	A=EF? 0.4589	A=GH? 0.3671
									HOMO. 0.6579	TREND. 0.3340
1963-66	OBS. EXP.	241	83 92.8	74 70.1	44 43.3	16 13.5	8 10.5	9 5.2	3 2.6	4 3.2
	OBS./EXP. RELATIVE RISK		0.895 1.000	1.056 1.181	1.017 1.137	1.184 1.323	0.764 0.854	1.744 1.950	1.175 1.313	1.251 1.398
	TEST PROB.	A=C? 0.3115	A=D? 0.2841	A=E? 0.7121	A=F? 0.1304	A=G? 0.4102	A=H? 0.4643	A=CD? 0.2423	A=EF? 0.4153	A=GH? 0.3618
									HOMO. 0.5874	TREND. 0.1289
1967-70	OBS. EXP.	290	119 113.4	69 82.9	56 51.5	19 16.4	13 12.7	7 6.2	3 3.1	4 3.8
	OBS./EXP. RELATIVE RISK		1.045 1.000	0.833 0.794	1.088 1.036	1.160 1.105	1.022 0.974	1.120 1.068	0.975 0.929	1.049 1.000
	TEST PROB.	A=C? 0.4768	A=D? 0.4932	A=E? 0.6341	A=F? 0.5991	A=G? 0.6555	A=H? 0.6119	A=CD? 0.4650	A=EF? 0.6169	A=GH? 0.6597
									HOMO. 0.8297	TREND. 0.3328
1971-74	OBS. EXP.	360	144 141.6	90 102.3	64 63.7	21 20.4	21 15.7	10 7.6	4 3.8	6 4.7
	OBS./EXP. RELATIVE RISK		1.017 1.000	0.878 0.863	1.005 0.989	1.031 1.014	1.339 1.317	1.316 1.294	1.044 1.027	1.288 1.267
	TEST PROB.	A=C? 0.4797	A=D? 0.4664	A=E? 0.2446	A=F? 0.3294	A=G? 0.4372	A=H? 0.4320	A=CD? 0.4803	A=EF? 0.1917	A=GH? 0.4056
									HOMO. 0.7033	TREND. 0.0795
1975-78	OBS. EXP.	481	212 189.6	110 137.1	69 84.9	32 27.3	23 20.8	18 10.0	8 5.1	9 6.2
	OBS./EXP. RELATIVE RISK		1.118 1.000	0.802 0.718	0.812 0.727	1.174 1.050	1.108 0.991	1.805 1.613	1.555 1.391	1.462 1.308
	TEST PROB.	A=C? 0.9551	A=D? 0.4627	A=E? 0.6023	A=F? 0.1137	A=G? 0.3260	A=H? 0.3431	A=CD? 0.9056	A=EF? 0.3271	A=GH? 0.2239
									HOMO. 0.0027	TREND. 0.0042

TABLE 5-5 ALL NATURAL CAUSES

TABLE 5-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T=65 TOTAL CASES IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	7602	2991	2056	1495	428	306	138	77	111
TOTAL	EXP.	3029.5	2088.4	1473.4	423.6	319.6	123.5	57.8	86.2	
	OBS./EXP.	0.987	0.984	1.015	1.010	0.958	1.118	1.332	1.288	
	RELATIVE RISK	1.000	0.997	1.028	1.023	0.970	1.132	1.349	1.305	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2450	0.2852	0.5633	0.1008	0.0219	0.0175	0.2157	0.2989	0.0003
1950-54	OBS.	622	246	170	122	31	28	10	5	10
	EXP.	243.2	173.3	122.0	34.8	25.9	10.3	5.1	7.4	
	OBS./EXP.	1.012	0.981	1.000	0.892	1.082	0.968	0.971	1.346	
	RELATIVE RISK	1.000	0.970	0.989	0.881	1.070	0.957	0.960	1.331	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5922	0.6764	0.4118	0.5685	0.5323	0.3456	0.6373	0.4306	0.9787
1955-58	OBS.	714	289	183	156	30	24	12	11	9
	EXP.	283.4	196.8	138.4	40.0	29.7	11.6	5.8	8.4	
	OBS./EXP.	1.020	0.930	1.127	0.750	0.809	1.039	1.906	1.049	
	RELATIVE RISK	1.000	0.912	1.105	0.735	0.793	1.018	1.869	1.049	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2341	0.8710	0.7938	0.4588	0.1006	0.4519	0.4064	0.7264	0.1060
1959-62	OBS.	819	309	244	149	52	38	9	11	12
	EXP.	323.2	226.8	157.5	48.5	35.3	13.6	6.4	9.7	
	OBS./EXP.	0.956	1.076	0.946	1.117	0.936	0.661	1.712	1.237	
	RELATIVE RISK	1.000	1.125	0.989	1.169	0.979	0.691	1.791	1.293	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5291	0.1927	0.4746	0.7767	0.0911	0.2744	0.3900	0.6308	0.0843
1963-66	OBS.	1001	364	284	192	70	42	24	12	13
	EXP.	396.1	276.2	192.1	56.4	43.7	16.9	7.6	12.0	
	OBS./EXP.	0.919	1.028	0.999	1.240	0.962	1.422	1.584	1.082	
	RELATIVE RISK	1.000	1.119	1.088	1.350	1.067	1.547	1.723	1.178	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2275	0.0238	0.3831	0.0409	0.0679	0.3169	0.0803	0.1380	0.0892
1967-70	OBS.	1277	507	338	249	73	54	24	12	20
	EXP.	509.6	348.5	246.7	71.4	55.2	21.4	9.4	14.8	
	OBS./EXP.	0.995	0.970	1.010	1.022	0.978	1.123	1.270	1.353	
	RELATIVE RISK	1.000	0.975	1.013	1.027	0.983	1.129	1.277	1.360	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4429	0.4302	0.4247	0.2563	0.2208	0.1222	0.4681	0.3047	0.0719
1971-74	OBS.	1444	590	367	275	82	64	30	13	23
	EXP.	579.9	395.5	281.1	78.8	60.2	23.3	10.1	15.0	
	OBS./EXP.	1.017	0.928	0.978	1.040	1.063	1.288	1.285	1.531	
	RELATIVE RISK	1.000	0.912	0.961	1.023	1.045	1.266	1.263	1.505	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6342	0.4651	0.4167	0.2181	0.3278	0.1025	0.5869	0.2665	0.0893
1975-78	OBS.	1725	686	470	352	90	61	29	13	24
	EXP.	698.6	472.7	335.5	93.7	71.1	25.9	11.4	16.1	
	OBS./EXP.	0.982	0.994	1.049	0.961	0.858	1.120	1.137	1.488	
	RELATIVE RISK	1.000	1.012	1.069	0.978	0.874	1.141	1.158	1.515	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2280	0.5332	0.7963	0.3102	0.4030	0.0811	0.2627	0.6580	0.0975

TABLE 5-6 ALL NATURAL CAUSES

TABLE 5-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

		T=65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	11212	4633	3175	2186	588	355	126	60	89		
TOTAL	EXP.		4577.9	3161.9	2213.8	627.0	348.1	141.3	61.4	80.6		
	OBS./EXP.		1.012	1.004	0.987	0.938	1.020	0.892	0.977	1.104		
	RELATIVE RISK		1.000	0.992	0.976	0.927	1.008	0.881	0.966	1.091		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.8235	0.9010	0.4777	0.8584	0.6018	0.2961	0.9005	0.6786	0.3948	0.4655	0.6500
1950-54	OBS.	1763	748	511	319	72	69	12	11	21		
	EXP.		705.4	510.2	317.3	96.4	57.8	21.7	9.7	14.5		
	OBS./EXP.		1.060	1.002	0.918	0.747	1.193	0.553	1.131	1.450		
	RELATIVE RISK		1.000	0.944	0.866	0.705	1.123	0.521	1.067	1.367		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.9591	0.9847	0.3377	0.9647	0.4565	0.1942	0.9894	0.6904	0.2382	0.0029	0.4358
1955-58	OBS.	1958	792	581	385	96	57	22	8	17		
	EXP.		790.5	558.5	387.4	109.2	62.5	24.8	10.5	14.6		
	OBS./EXP.		1.002	1.040	0.994	0.879	0.912	0.888	0.763	1.166		
	RELATIVE RISK		1.000	1.038	0.992	0.877	0.910	0.886	0.762	1.164		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.5824	0.8552	0.7391	0.7181	0.7692	0.3914	0.7081	0.7701	0.3642	0.7149	0.7745
1959-62	OBS.	1882	771	549	358	101	61	19	9	14		
	EXP.		763.7	529.0	371.6	110.2	59.5	23.6	10.7	13.9		
	OBS./EXP.		1.010	1.038	0.963	0.916	1.026	0.806	0.841	1.011		
	RELATIVE RISK		1.000	1.028	0.954	0.908	1.016	0.798	0.833	1.001		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.7458	0.7394	0.4620	0.7919	0.6800	0.4885	0.7923	0.6583	0.6137	0.8335	0.8138
1963-66	OBS.	1824	720	501	376	123	56	21	12	15		
	EXP.		753.0	503.5	361.9	101.6	56.1	24.5	10.5	12.9		
	OBS./EXP.		0.956	0.995	1.039	1.210	0.998	0.858	1.141	1.163		
	RELATIVE RISK		1.000	1.041	1.087	1.266	1.044	0.898	1.194	1.216		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.1982	0.0333	0.4010	0.6364	0.3532	0.3691	0.0770	0.4706	0.2668	0.3078	0.1481
1967-70	OBS.	1527	612	448	310	69	48	22	10	8		
	EXP.		637.9	421.1	299.2	85.1	45.2	20.7	7.9	9.9		
	OBS./EXP.		0.959	1.064	1.036	0.811	1.061	1.061	1.267	0.806		
	RELATIVE RISK		1.000	1.109	1.080	0.845	1.106	1.106	1.320	0.840		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.2505	0.8142	0.2703	0.3731	0.2862	0.6723	0.4145	0.2136	0.4720	0.3150	0.5501
1971-74	OBS.	1286	560	339	242	77	38	17	3	10		
	EXP.		532.9	356.7	254.1	72.6	37.9	17.1	6.8	7.9		
	OBS./EXP.		1.051	0.950	0.953	1.061	1.002	0.995	0.441	1.268		
	RELATIVE RISK		1.000	0.904	0.906	1.009	0.953	0.947	0.419	1.206		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.8457	0.5218	0.6356	0.6004	0.9082	0.3912	0.8056	0.6300	0.7132	0.1678	0.5649
1975-78	OBS.	972	430	246	196	50	26	13	7	4		
	EXP.		394.7	274.2	197.7	55.0	28.0	11.4	6.0	4.9		
	OBS./EXP.		1.089	0.897	0.991	0.910	0.930	1.118	1.166	0.821		
	RELATIVE RISK		1.000	0.824	0.910	0.835	0.853	1.026	1.071	0.754		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.8363	0.8098	0.6650	0.4241	0.4538	0.6872	0.8666	0.5936	0.5284	0.2841	0.6540

TABLE 5-7 ALL NATURAL CAUSES

TABLE 5-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	10910	4360	3081	1953	578	472	195	99	172
	EXP.	4336.0	3075.8	2002.0	618.7	476.9	186.5	83.8	130.3	
	OBS./EXP.	1.006	1.002	0.976	0.934	0.990	1.046	1.181	1.320	
	RELATIVE RISK	1.000	0.996	0.970	0.929	0.984	1.040	1.175	1.312	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7709	0.8479	0.5078	0.3028	0.1073	0.0642	0.8564	0.4114	0.0026
									HOMO.	TREND.
									0.0032	0.0006
1950-54	OBS.	1467	615	418	257	54	74	12	10	27
	EXP.	582.7	420.5	271.8	79.5	61.1	23.3	10.7	17.5	
	OBS./EXP.	1.055	0.994	0.946	0.679	1.211	0.516	0.936	1.546	
	RELATIVE RISK	1.000	0.962	0.896	0.644	1.147	0.489	0.887	1.465	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8408	0.9881	0.2134	0.9726	0.6374	0.1021	0.9667	0.5773	0.2056
									HOMO.	TREND.
									0.0007	0.3063
1955-58	OBS.	1552	604	449	308	75	52	29	14	21
	EXP.	617.7	440.2	287.6	86.9	64.8	23.4	11.2	18.1	
	OBS./EXP.	0.978	1.020	1.071	0.863	0.802	1.142	1.246	1.161	
	RELATIVE RISK	1.000	1.043	1.095	0.882	0.820	1.168	1.275	1.187	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1866	0.8033	0.8578	0.3305	0.3296	0.3483	0.3160	0.7195	0.2631
									HOMO.	TREND.
									0.3247	0.3081
1959-62	OBS.	1534	613	449	269	81	65	20	15	22
	EXP.	606.4	432.8	282.8	91.4	66.2	25.0	11.4	18.1	
	OBS./EXP.	1.011	1.037	0.951	0.886	0.981	0.801	1.316	1.216	
	RELATIVE RISK	1.000	1.026	0.941	0.877	0.971	0.793	1.302	1.203	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7431	0.7778	0.5475	0.7595	0.2334	0.2717	0.8130	0.6752	0.1629
									HOMO.	TREND.
									0.5638	0.3704
1963-66	OBS.	1629	627	465	286	114	65	32	15	25
	EXP.	645.7	455.3	301.6	95.2	71.2	28.2	12.3	19.5	
	OBS./EXP.	0.971	1.021	0.948	1.197	0.913	1.133	1.220	1.285	
	RELATIVE RISK	1.000	1.052	0.976	1.233	0.940	1.167	1.256	1.323	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5640	0.0449	0.5565	0.2104	0.2319	0.1474	0.2922	0.3914	0.0983
									HOMO.	TREND.
									0.2473	0.0472
1967-70	OBS.	1607	635	473	283	79	72	32	14	19
	EXP.	638.1	445.6	298.0	93.7	72.7	29.5	12.0	19.4	
	OBS./EXP.	0.995	1.062	0.956	0.843	0.991	1.083	1.166	0.980	
	RELATIVE RISK	1.000	1.067	0.961	0.847	0.996	1.089	1.172	0.985	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6656	0.8523	0.4223	0.3617	0.3429	0.4688	0.7980	0.3336	0.3881
									HOMO.	TREND.
									0.6053	0.5183
1971-74	OBS.	1547	620	408	279	95	72	35	10	28
	EXP.	615.4	428.8	284.5	88.5	70.3	28.7	12.5	18.4	
	OBS./EXP.	1.008	0.951	0.981	1.074	1.025	1.221	0.798	1.521	
	RELATIVE RISK	1.000	0.944	0.973	1.066	1.017	1.212	0.792	1.510	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6168	0.3024	0.4906	0.2351	0.7297	0.0656	0.4405	0.3462	0.2002
									HOMO.	TREND.
									0.2435	0.0152
1975-78	OBS.	1574	646	419	271	80	72	35	21	30
	EXP.	627.9	442.3	285.3	88.8	72.3	27.9	13.4	16.1	
	OBS./EXP.	1.029	0.947	0.950	0.901	0.996	1.252	1.568	1.862	
	RELATIVE RISK	1.000	0.921	0.923	0.875	0.968	1.217	1.524	1.809	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7706	0.7571	0.5372	0.1476	0.0845	0.0085	0.8228	0.3405	0.0034
									HOMO.	TREND.
									0.0018	0.0001

TABLE 5-3 ALL NATURAL CAUSES

TABLE 5-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

		T-65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	11221	4499	3081	2292	621	360	180	83	105		
TOTAL	EXP.		4537.3	3157.0	2268.5	614.3	342.8	151.7	69.4	80.0		
	OBS./EXP.		0.992	0.976	1.010	1.011	1.050	1.187	1.196	1.313		
	RELATIVE RISK		1.000	0.984	1.019	1.020	1.059	1.197	1.206	1.324		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	MONO.	
	PROB.	0.3628	0.3661	0.2385	0.0470	0.1152	0.0202	0.3188	0.0674	0.0095	0.0059	TREND. 0.0000
1950-54	OBS.	1363	543	384	267	70	47	22	13	17		
	EXP.		530.5	396.5	276.6	76.7	44.1	19.3	8.8	10.5		
	OBS./EXP.		1.024	0.968	0.965	0.912	1.067	1.139	1.472	1.622		
	RELATIVE RISK		1.000	0.946	0.943	0.891	1.042	1.113	1.439	1.585		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	MONO.	
	PROB.	0.8129	0.7741	0.5293	0.4678	0.2367	0.1327	0.8337	0.4818	0.0852	0.3000	TREND. 0.0115
1955-58	OBS.	1500	615	429	300	73	42	20	7	14		
	EXP.		596.0	429.6	305.6	83.9	45.8	20.0	9.1	10.1		
	OBS./EXP.		1.032	0.999	0.982	0.870	0.917	1.002	0.772	1.385		
	RELATIVE RISK		1.000	0.968	0.931	0.844	0.889	0.971	0.748	1.342		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	MONO.	
	PROB.	0.6978	0.8529	0.7000	0.5379	0.7397	0.2708	0.7991	0.6662	0.4765	0.7113	TREND. 0.4494
1959-62	OBS.	1490	579	443	289	89	53	15	8	14		
	EXP.		605.6	417.3	303.8	83.1	42.6	19.1	9.0	9.6		
	OBS./EXP.		0.956	1.062	0.951	1.071	1.243	0.787	0.892	1.458		
	RELATIVE RISK		1.000	1.110	0.995	1.121	1.300	0.823	0.933	1.525		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	MONO.	
	PROB.	0.5513	0.2112	0.1027	0.7336	0.5746	0.1384	0.3985	0.2352	0.2341	0.1930	TREND. 0.1120
1963-66	OBS.	1576	587	440	351	101	47	29	12	9		
	EXP.		646.2	432.9	319.9	83.8	46.2	21.6	9.7	10.5		
	OBS./EXP.		0.908	1.005	1.097	1.205	1.016	1.360	1.231	0.855		
	RELATIVE RISK		1.000	1.106	1.208	1.326	1.119	1.475	1.355	0.941		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	MONO.	
	PROB.	0.0271	0.0224	0.2992	0.0775	0.2365	0.5426	0.0084	0.1108	0.3087	0.0215	TREND. 0.0949
1967-70	OBS.	1659	654	440	364	89	53	27	13	19		
	EXP.		686.9	460.4	330.9	88.0	48.7	22.7	10.0	11.4		
	OBS./EXP.		0.952	0.956	1.100	1.011	1.088	1.190	1.295	1.673		
	RELATIVE RISK		1.000	1.004	1.155	1.062	1.142	1.250	1.360	1.757		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	MONO.	
	PROB.	0.0732	0.3081	0.2177	0.1934	0.2097	0.0376	0.0832	0.1273	0.0280	0.0565	TREND. 0.0014
1971-74	OBS.	1763	745	467	331	96	63	30	16	15		
	EXP.		720.7	495.0	331.6	94.6	54.3	24.3	10.3	12.1		
	OBS./EXP.		1.034	0.943	0.941	1.015	1.160	1.233	1.550	1.244		
	RELATIVE RISK		1.000	0.913	0.911	0.982	1.122	1.193	1.500	1.203		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	MONO.	
	PROB.	0.8332	0.6227	0.2985	0.2805	0.1589	0.3487	0.8233	0.1958	0.1422	0.1315	TREND. 0.0134
1975-78	OBS.	1870	776	478	390	103	55	37	14	17		
	EXP.		758.4	523.7	377.5	100.0	59.4	25.0	11.6	14.3		
	OBS./EXP.		1.023	0.913	1.033	1.030	0.926	1.480	1.211	1.189		
	RELATIVE RISK		1.000	0.892	1.010	1.006	0.905	1.446	1.184	1.163		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	MONO.	
	PROB.	0.4922	0.4849	0.7213	0.0587	0.3652	0.3490	0.4898	0.3658	0.2671	0.0804	TREND. 0.0365

TABLE 5-9 ALL NATURAL CAUSES

TABLE 5-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	17409	7920	4394	3199	860	531	214	118	173
TOTAL	EXP.		7907.7	4485.3	3239.5	865.2	513.0	184.0	87.6	126.7
	OBS./EXP.		1.002	0.980	0.987	0.994	1.035	1.163	1.348	1.366
	RELATIVE RISK		1.000	0.978	0.986	0.992	1.033	1.161	1.346	1.364
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6921	0.5679	0.3117	0.0641	0.0116	0.0020	0.8887	0.1176	0.0001
									HOMO.	TREND.
									0.0000	0.0000
1950-54	OBS.	2155	1009	564	365	88	76	16	16	21
	EXP.		978.3	562.1	395.0	106.4	63.6	22.0	11.1	16.4
	OBS./EXP.		1.031	1.003	0.924	0.827	1.195	0.726	1.439	1.278
	RELATIVE RISK		1.000	0.973	0.896	0.802	1.159	0.704	1.395	1.239
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9052	0.9278	0.2162	0.8606	0.2078	0.2778	0.9552	0.4299	0.1493
									HOMO.	TREND.
									0.0464	0.1768
1955-58	OBS.	2378	1081	616	457	103	62	30	12	19
	EXP.		1080.6	615.9	439.8	119.4	68.9	24.6	11.9	16.9
	OBS./EXP.		1.000	0.997	1.039	0.862	0.900	1.221	1.010	1.124
	RELATIVE RISK		1.000	0.997	1.039	0.862	0.900	1.220	1.009	1.124
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3222	0.8596	0.7297	0.2618	0.4832	0.3949	0.4935	0.5502	0.4179
									HOMO.	TREND.
									0.6273	0.3708
1959-62	OBS.	2395	1075	646	413	128	76	16	17	23
	EXP.		1086.8	615.1	445.3	124.2	70.1	24.9	12.1	16.5
	OBS./EXP.		0.990	1.050	0.928	1.031	1.084	0.642	1.406	1.394
	RELATIVE RISK		1.000	1.061	0.937	1.041	1.095	0.648	1.420	1.408
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7975	0.3973	0.3121	0.9071	0.1732	0.1398	0.7220	0.5769	0.0686
									HOMO.	TREND.
									0.0754	0.0963
1963-66	OBS.	2532	1101	642	483	161	70	37	19	19
	EXP.		1154.6	645.1	474.2	125.9	74.3	28.0	12.3	17.8
	OBS./EXP.		0.954	0.995	1.019	1.279	0.943	1.321	1.547	1.066
	RELATIVE RISK		1.000	1.043	1.068	1.341	0.988	1.385	1.622	1.118
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1950	0.0064	0.5551	0.0910	0.0757	0.4103	0.0430	0.2787	0.1233
									HOMO.	TREND.
									0.0049	0.0106
1967-70	OBS.	2571	1159	657	479	109	91	34	17	25
	EXP.		1176.9	653.3	480.8	126.5	74.8	28.2	12.0	18.6
	OBS./EXP.		0.985	1.006	0.996	0.862	1.217	1.206	1.414	1.348
	RELATIVE RISK		1.000	1.021	1.012	0.875	1.235	1.224	1.435	1.368
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4521	0.8381	0.0956	0.2233	0.1627	0.1547	0.6074	0.0645	0.0710
									HOMO.	TREND.
									0.0900	0.0055
1971-74	OBS.	2610	1210	613	484	135	84	37	16	31
	EXP.		1187.7	668.9	492.6	126.7	75.3	27.9	12.5	18.6
	OBS./EXP.		1.019	0.916	0.983	1.065	1.116	1.326	1.283	1.669
	RELATIVE RISK		1.000	0.900	0.964	1.046	1.096	1.302	1.259	1.638
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6962	0.3694	0.2849	0.1413	0.2862	0.0263	0.6185	0.1456	0.0283
									HOMO.	TREND.
									0.0053	0.0001
1975-78	OBS.	2768	1284	658	518	136	72	44	21	35
	EXP.		1242.1	721.7	526.4	135.2	82.4	27.9	14.0	18.4
	OBS./EXP.		1.034	0.912	0.984	1.006	0.876	1.579	1.498	1.907
	RELATIVE RISK		1.000	0.882	0.952	0.973	0.845	1.527	1.449	1.845
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7634	0.6061	0.8458	0.0242	0.1281	0.0054	0.7597	0.4472	0.0035
									HOMO.	TREND.
									0.0000	0.0000

TABLE 5-10 ALL NATURAL CAUSES

TABLE 5-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	4722	939	1768	1046	339	301	161	64	104
TOTAL	EXP.		965.6	1747.5	1030.9	367.8	306.7	154.2	65.6	83.6
	OBS./EXP.		0.973	1.012	1.015	0.922	0.981	1.044	0.975	1.244
	RELATIVE RISK		1.000	1.040	1.043	0.948	1.009	1.073	1.003	1.279
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3178	0.7474	0.4739	0.2937	0.4878	0.0407	0.4510	0.3759	0.1060
1950-54	OBS.	675	149	238	159	36	45	18	7	23
	EXP.		134.9	254.9	153.4	49.8	41.6	20.5	8.4	11.5
	OBS./EXP.		1.104	0.934	1.036	0.723	1.082	0.877	0.834	1.998
	RELATIVE RISK		1.000	0.846	0.938	0.655	0.980	0.794	0.755	1.809
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6921	0.9562	0.5505	0.7839	0.7271	0.0283	0.8532	0.6824	0.1332
1955-58	OBS.	674	138	264	151	45	32	19	9	16
	EXP.		133.1	253.9	153.4	51.4	41.7	20.8	8.4	11.3
	OBS./EXP.		1.037	1.040	0.984	0.876	0.767	0.914	1.070	1.417
	RELATIVE RISK		1.000	1.003	0.949	0.845	0.739	0.881	1.032	1.366
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6664	0.7940	0.8734	0.6653	0.4530	0.2268	0.7227	0.8601	0.2867
1959-62	OBS.	629	116	246	145	42	42	19	6	13
	EXP.		125.1	236.9	141.4	50.2	38.8	19.1	8.3	11.2
	OBS./EXP.		0.927	1.047	1.026	0.836	1.084	0.995	0.725	1.162
	RELATIVE RISK		1.000	1.130	1.106	0.902	1.169	1.073	0.782	1.254
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3120	0.6845	0.3025	0.4603	0.7067	0.3296	0.4107	0.3098	0.4736
1963-66	OBS.	673	113	263	154	54	42	24	8	15
	EXP.		137.5	248.1	147.3	53.2	43.2	21.9	9.8	12.2
	OBS./EXP.		0.822	1.060	1.046	1.016	0.973	1.097	0.819	1.233
	RELATIVE RISK		1.000	1.290	1.272	1.236	1.183	1.335	0.997	1.500
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1211	0.1884	0.2689	0.2109	0.4959	0.1763	0.1034	0.1786	0.2525
1967-70	OBS.	695	130	256	168	59	34	25	10	13
	EXP.		148.1	252.7	166.1	55.3	46.4	24.0	10.0	12.2
	OBS./EXP.		0.878	1.013	1.130	1.068	0.730	1.040	0.998	1.066
	RELATIVE RISK		1.000	1.155	1.310	1.217	0.831	1.185	1.137	1.215
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0611	0.1844	0.7885	0.3480	0.4619	0.3534	0.0537	0.6384	0.3290
1971-74	OBS.	700	155	262	124	56	51	28	10	12
	EXP.		148.4	255.0	143.5	36.3	49.3	25.1	10.4	11.9
	OBS./EXP.		1.044	1.027	0.878	0.994	1.034	1.115	0.964	1.009
	RELATIVE RISK		1.000	0.984	0.841	0.952	0.990	1.068	0.923	0.966
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8648	0.6224	0.5421	0.4306	0.6019	0.5555	0.8440	0.4861	0.5869
1975-78	OBS.	676	138	239	143	47	55	28	14	12
	EXP.		144.3	244.3	136.4	53.7	49.3	25.1	10.9	12.1
	OBS./EXP.		0.957	0.978	1.048	0.875	1.116	1.116	1.281	0.995
	RELATIVE RISK		1.000	1.023	1.096	0.915	1.167	1.167	1.339	1.041
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3403	0.6799	0.2619	0.2988	0.2815	0.4579	0.4386	0.2287	0.3289

TABLE 5-11 ALL NATURAL CAUSES

TABLE 5-11

HIROSHIMA, MALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	8498	3827	2244	1471	389	300	104	58	105
TOTAL	EXP.	3777.0		2280.6	1509.7	412.3	296.6	98.0	45.5	78.3
	OBS./EXP.		1.013	0.984	0.974	0.944	1.012	1.061	1.273	1.340
	RELATIVE RISK		1.000	0.971	0.962	0.931	0.998	1.048	1.257	1.323
TEST	PROB.	A=C? 0.8280	A=D? 0.8416	A=E? 0.5159	A=F? 0.3830	A=G? 0.1157	A=H? 0.0220	A=I? 0.8843	A=J? 0.4507	A=K? 0.0097
1950-54	OBS.	1142	538	301	188	36	53	5	7	14
	EXP.	509.5		309.2	201.2	53.5	39.2	12.6	6.1	10.6
	OBS./EXP.		1.056	0.973	0.934	0.672	1.332	0.396	1.144	1.318
	RELATIVE RISK		1.000	0.922	0.885	0.637	1.280	0.375	1.083	1.248
TEST	PROB.	A=C? 0.8596	A=D? 0.9748	A=E? 0.1214	A=F? 0.9572	A=G? 0.4439	A=H? 0.3154	A=I? 0.9543	A=J? 0.4039	A=K? 0.3169
1955-58	OBS.	1221	525	331	238	52	36	18	7	14
	EXP.	543.1		328.4	216.2	59.6	41.9	14.1	6.6	11.1
	OBS./EXP.		0.967	1.008	1.101	0.873	0.859	1.274	1.059	1.259
	RELATIVE RISK		1.000	1.043	1.139	0.903	0.889	1.318	1.095	1.303
TEST	PROB.	A=C? 0.1193	A=D? 0.7154	A=E? 0.7088	A=F? 0.2293	A=G? 0.4450	A=H? 0.2754	A=I? 0.2095	A=J? 0.5122	A=K? 0.2806
1959-62	OBS.	1194	542	333	194	54	39	9	11	12
	EXP.	529.6		318.6	211.4	61.6	42.2	13.6	6.5	10.4
	OBS./EXP.		1.023	1.045	0.918	0.876	0.924	0.660	1.701	1.150
	RELATIVE RISK		1.000	1.021	0.897	0.856	0.903	0.845	1.662	1.124
TEST	PROB.	A=C? 0.8371	A=D? 0.8029	A=E? 0.6882	A=F? 0.8509	A=G? 0.1399	A=H? 0.4371	A=I? 0.8783	A=J? 0.8086	A=K? 0.1857
1963-66	OBS.	1269	560	330	218	81	41	19	9	11
	EXP.	562.6		336.3	227.6	64.7	44.8	15.3	6.4	11.4
	OBS./EXP.		0.995	0.981	0.958	1.253	0.915	1.243	1.410	0.968
	RELATIVE RISK		1.000	0.986	0.962	1.258	0.919	1.248	1.417	0.973
TEST	PROB.	A=C? 0.6462	A=D? 0.0863	A=E? 0.6663	A=F? 0.2749	A=G? 0.2721	A=H? 0.5493	A=I? 0.3981	A=J? 0.4853	A=K? 0.3771
1967-70	OBS.	1236	553	342	208	43	53	17	7	13
	EXP.	548.8		326.7	222.6	62.0	43.1	14.8	6.1	11.8
	OBS./EXP.		1.008	1.047	0.936	0.693	1.231	1.152	1.143	1.101
	RELATIVE RISK		1.000	1.039	0.927	0.688	1.221	1.143	1.134	1.092
TEST	PROB.	A=C? 0.7611	A=D? 0.9607	A=E? 0.1800	A=F? 0.3896	A=G? 0.4576	A=H? 0.4904	A=I? 0.9047	A=J? 0.1665	A=K? 0.4138
1971-74	OBS.	1197	537	296	213	70	40	16	5	20
	EXP.	531.6		319.0	217.1	57.4	40.2	13.8	6.5	11.4
	OBS./EXP.		1.010	0.928	0.981	1.220	0.996	1.158	0.768	1.762
	RELATIVE RISK		1.000	0.919	0.971	1.208	0.986	1.146	0.760	1.744
TEST	PROB.	A=C? 0.6184	A=D? 0.1409	A=E? 0.5444	A=F? 0.4002	A=G? 0.7227	A=H? 0.0464	A=I? 0.4365	A=J? 0.4786	A=K? 0.1461
1975-78	OBS.	1239	572	311	212	53	38	20	12	21
	EXP.	545.5		338.4	224.4	57.7	43.3	13.0	7.0	9.7
	OBS./EXP.		1.049	0.919	0.945	0.919	0.878	1.535	1.721	2.161
	RELATIVE RISK		1.000	0.877	0.901	0.876	0.838	1.464	1.641	2.061
TEST	PROB.	A=C? 0.8371	A=D? 0.7705	A=E? 0.7905	A=F? 0.1298	A=G? 0.1382	A=H? 0.0106	A=I? 0.8680	A=J? 0.5407	A=K? 0.0057

TABLE 5-12 ALL NATURAL CAUSES

TABLE 5-12

HIROSHIMA, FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-70	OBS. TOTAL	8911	4093	2150	1728	471	231	110	60	68
	EXP.		4130.7	2204.7	1729.8	452.9	216.4	86.0	42.0	48.3
	OBS./EXP. RELATIVE RISK		0.991 1.000	0.975 0.984	0.999 1.008	1.040 1.050	1.067 1.077	1.279 1.291	1.428 1.441	1.407 1.420
	TEST PROB.	A=C? 0.4248	A=D? 0.2622	A=E? 0.2179	A=F? 0.0310	A=G? 0.0240	A=H? 0.0211	A=CD? 0.3303	A=EF? 0.0520	A=GH? 0.0023
									HOMO. 0.0004	TREND. 0.0000
1950-54	OBS. TOTAL	1013	471	283	177	52	23	11	9	7
	EXP.		468.8	252.9	193.8	52.9	24.4	9.4	5.0	5.8
	OBS./EXP. RELATIVE RISK		1.005 1.000	1.040 1.035	0.913 0.909	0.983 0.979	0.944 0.939	1.166 1.161	1.799 1.791	1.205 1.200
	TEST PROB.	A=C? 0.7884	A=D? 0.5550	A=E? 0.6136	A=F? 0.4281	A=G? 0.1510	A=H? 0.4540	A=CD? 0.7662	A=EF? 0.5218	A=GH? 0.1719
									HOMO. 0.5685	TREND. 0.1392
1955-58	OBS. TOTAL	1157	556	283	219	51	26	12	5	5
	EXP.		537.6	287.5	223.6	59.8	27.0	10.4	5.3	5.8
	OBS./EXP. RELATIVE RISK		1.034 1.000	0.984 0.952	0.979 0.947	0.852 0.824	0.963 0.931	1.148 1.110	0.948 0.917	0.865 0.836
	TEST PROB.	A=C? 0.7026	A=D? 0.8401	A=E? 0.6406	A=F? 0.4864	A=G? 0.6163	A=H? 0.6749	A=CD? 0.7970	A=EF? 0.5723	A=GH? 0.6759
									HOMO. 0.9225	TREND. 0.6847
1959-62	OBS. TOTAL	1201	534	313	219	74	37	7	6	11
	EXP.		557.1	296.5	233.9	62.6	27.9	11.3	5.6	6.1
	OBS./EXP. RELATIVE RISK		0.959 1.000	1.056 1.101	0.936 0.977	1.182 1.234	1.326 1.383	0.621 0.648	1.066 1.112	1.812 1.891
	TEST PROB.	A=C? 0.5923	A=D? 0.1206	A=E? 0.0947	A=F? 0.8221	A=G? 0.4414	A=H? 0.0819	A=CD? 0.3896	A=EF? 0.2522	A=GH? 0.1272
									HOMO. 0.0519	TREND. 0.0263
1963-66	OBS. TOTAL	1263	541	312	265	80	29	18	10	8
	EXP.		591.8	308.8	246.6	61.3	29.4	12.7	5.9	6.5
	OBS./EXP. RELATIVE RISK		0.914 1.000	1.010 1.105	1.075 1.176	1.306 1.429	0.985 1.078	1.415 1.547	1.695 1.834	1.238 1.354
	TEST PROB.	A=C? 0.0624	A=D? 0.0167	A=E? 0.4097	A=F? 0.1111	A=G? 0.1009	A=H? 0.3211	A=CD? 0.0169	A=EF? 0.1840	A=GH? 0.0923
									HOMO. 0.0136	TREND. 0.0081
1967-70	OBS. TOTAL	1335	606	315	271	66	38	17	10	12
	EXP.		628.0	326.6	258.2	64.4	31.7	13.4	5.9	6.7
	OBS./EXP. RELATIVE RISK		0.965 1.000	0.965 1.000	1.050 1.088	1.024 1.062	1.198 1.241	1.264 1.310	1.695 1.757	1.780 1.845
	TEST PROB.	A=C? 0.2134	A=D? 0.3902	A=E? 0.1920	A=F? 0.2446	A=G? 0.1242	A=H? 0.0793	A=CD? 0.2100	A=EF? 0.1273	A=GH? 0.0283
									HOMO. 0.1207	TREND. 0.0007
1971-74	OBS. TOTAL	1413	673	317	271	65	44	21	11	11
	EXP.		656.0	349.8	275.4	69.4	35.1	14.1	6.0	7.2
	OBS./EXP. RELATIVE RISK		1.026 1.000	0.908 0.883	0.984 0.959	0.937 0.914	1.254 1.222	1.492 1.454	1.846 1.800	1.522 1.584
	TEST PROB.	A=C? 0.6712	A=D? 0.7046	A=E? 0.1865	A=F? 0.1269	A=G? 0.0976	A=H? 0.1963	A=CD? 0.7185	A=EF? 0.0843	A=GH? 0.0562
									HOMO. 0.0209	TREND. 0.0012
1975-78	OBS. TOTAL	1529	712	347	306	83	34	24	9	14
	EXP.		696.5	383.3	302.0	77.5	39.2	14.8	7.0	8.6
	OBS./EXP. RELATIVE RISK		1.022 1.000	0.905 0.886	1.013 0.991	1.071 1.048	0.868 0.849	1.618 1.582	1.277 1.249	1.621 1.585
	TEST PROB.	A=C? 0.5489	A=D? 0.4082	A=E? 0.7532	A=F? 0.0604	A=G? 0.3621	A=H? 0.1287	A=CD? 0.4911	A=EF? 0.3994	A=GH? 0.1224
									HOMO. 0.0337	TREND. 0.0066

TABLE 5-13 ALL NATURAL CAUSES

TABLE 5-13

NAGASAKI, MALE, ALL AGES

YEAR CLASS		T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	2412	533	837	482	189	172	91	41	67
TOTAL	EXP.		559.0	795.3	492.3	206.4	180.3	88.5	38.3	52.0
	OBS./EXP.		0.954	1.052	0.979	0.915	0.954	1.028	1.072	1.288
	RELATIVE RISK		1.000	1.104	1.027	0.960	1.001	1.078	1.124	1.351
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4082	0.6421	0.4886	0.3451	0.3267	0.0501	0.4926	0.4271	0.0654
									NOMO.	TREND.
									0.1628	0.0851
1950-54	OBS.	325	77	117	69	18	21	7	3	13
	EXP.		73.3	111.3	70.6	25.9	21.9	10.6	4.6	6.8
	OBS./EXP.		1.051	1.052	0.977	0.694	0.959	0.658	0.657	1.900
	RELATIVE RISK		1.000	1.000	0.930	0.660	0.912	0.626	0.625	1.808
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6250	0.8875	0.6532	0.8551	0.7719	0.1011	0.7816	0.7882	0.2756
									NOMO.	TREND.
									0.1569	0.2893
1955-58	OBS.	331	79	118	70	23	16	11	7	7
	EXP.		74.6	111.8	71.4	27.3	22.9	11.3	4.6	7.0
	OBS./EXP.		1.058	1.055	0.980	0.841	0.698	0.976	1.515	1.004
	RELATIVE RISK		1.000	0.997	0.926	0.795	0.659	0.922	1.431	0.949
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6705	0.7807	0.8808	0.6060	0.3256	0.5853	0.7352	0.8459	0.4436
									NOMO.	TREND.
									0.6835	0.6251
1959-62	OBS.	340	71	116	75	27	26	11	4	10
	EXP.		76.7	114.1	71.5	29.7	24.0	11.3	4.9	7.7
	OBS./EXP.		0.926	1.016	1.049	0.908	1.082	0.972	0.811	1.307
	RELATIVE RISK		1.000	1.098	1.134	0.981	1.169	1.051	0.876	1.412
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3237	0.5483	0.3395	0.4541	0.6206	0.2800	0.3809	0.3460	0.3746
									NOMO.	TREND.
									0.9574	0.3009
1963-68	OBS.	360	67	135	68	33	24	13	6	14
	EXP.		83.1	119.0	74.0	30.6	26.4	13.0	5.9	8.1
	OBS./EXP.		0.806	1.135	0.919	1.079	0.910	1.004	1.014	1.729
	RELATIVE RISK		1.000	1.407	1.139	1.339	1.129	1.245	1.258	2.144
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3586	0.1725	0.3829	0.3439	0.4336	0.0366	0.2469	0.3156	0.0596
									NOMO.	TREND.
									0.1362	0.0751
1967-70	OBS.	371	82	131	75	36	19	15	7	6
	EXP.		89.3	118.9	73.3	31.7	29.6	14.8	5.9	7.6
	OBS./EXP.		0.918	1.102	1.023	1.137	0.642	1.014	1.190	0.792
	RELATIVE RISK		1.000	1.200	1.114	1.238	0.699	1.105	1.296	0.863
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3424	0.2402	0.8589	0.4944	0.3787	0.6266	0.2527	0.7608	0.4635
									NOMO.	TREND.
									0.4066	0.8147
1971-74	OBS.	350	83	112	66	25	32	19	5	8
	EXP.		83.7	109.8	67.3	31.1	30.1	14.9	6.0	7.1
	OBS./EXP.		0.991	1.020	0.981	0.804	1.062	1.279	0.832	1.134
	RELATIVE RISK		1.000	1.029	0.989	0.811	1.072	1.290	0.839	1.163
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5412	0.7725	0.4469	0.2568	0.6482	0.4786	0.6590	0.3157	0.4723
									NOMO.	TREND.
									0.8834	0.2952
1975-78	OBS.	335	74	108	59	27	34	15	9	9
	EXP.		82.3	103.9	60.9	31.1	29.0	14.9	6.4	6.4
	OBS./EXP.		0.899	1.039	0.969	0.867	1.172	1.006	1.402	1.406
	RELATIVE RISK		1.000	1.157	1.079	0.965	1.304	1.119	1.560	1.565
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3792	0.5767	0.1926	0.4255	0.2497	0.2316	0.4457	0.2167	0.1436
									NOMO.	TREND.
									0.6802	0.0739

TABLE S-14 ALL NATURAL CAUSES

TABLE S-14

NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T>65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	2310	406	931	564	158	129	70	23	37
	EXP.		406.6	952.3	538.7	161.4	126.4	65.7	27.4	31.6
	OBS./EXP.		0.999	0.978	1.047	0.929	0.821	1.065	0.840	1.170
	RELATIVE RISK		1.000	0.979	1.048	0.931	0.822	1.067	0.841	1.171
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3387	0.7339	0.4697	0.3760	0.7416	0.2538	0.4416	0.4067	0.4690
1950-54	OBS. TOTAL	350	72	121	90	18	24	11	4	10
	EXP.		61.7	143.6	82.8	23.8	19.7	9.9	3.8	6.7
	OBS./EXP.		1.168	0.843	1.087	0.755	1.219	1.113	1.045	2.140
	RELATIVE RISK		1.000	0.722	0.931	0.646	1.044	0.953	0.895	1.633
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6702	0.9001	0.4669	0.5481	0.5788	0.1018	0.7767	0.4771	0.1934
1955-58	OBS. TOTAL	343	59	146	81	22	16	8	2	9
	EXP.		58.4	142.1	82.0	24.0	18.8	9.5	3.8	4.3
	OBS./EXP.		1.010	1.027	0.988	0.915	0.851	0.841	0.527	2.082
	RELATIVE RISK		1.000	1.018	0.979	0.907	0.843	0.833	0.522	2.062
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5517	0.6725	0.6855	0.6688	0.7904	0.0876	0.5969	0.7116	0.2980
1959-62	OBS. TOTAL	289	45	130	70	15	16	8	2	3
	EXP.		48.4	120.8	69.9	20.5	14.7	7.8	3.3	3.5
	OBS./EXP.		0.929	1.076	1.001	0.732	1.087	1.027	0.598	0.850
	RELATIVE RISK		1.000	1.158	1.078	0.788	1.170	1.105	0.644	0.914
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4459	0.7537	0.4340	0.4443	0.7352	0.5763	0.5150	0.4280	0.6884
1963-66	OBS. TOTAL	313	46	128	86	21	18	11	2	1
	EXP.		54.4	129.1	73.3	22.6	16.8	8.9	3.8	4.1
	OBS./EXP.		0.845	0.992	1.174	0.930	1.071	1.233	0.520	0.246
	RELATIVE RISK		1.000	1.173	1.288	1.100	1.267	1.438	0.615	0.291
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1097	0.4505	0.3171	0.2752	0.7492	0.8700	0.1660	0.2247	0.8743
1967-70	OBS. TOTAL	324	48	125	93	23	15	10	3	7
	EXP.		58.8	133.8	72.8	23.6	17.0	9.2	4.1	4.6
	OBS./EXP.		0.816	0.934	1.278	0.974	0.882	1.081	0.724	1.516
	RELATIVE RISK		1.000	1.143	1.567	1.194	1.082	1.325	0.888	1.859
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0405	0.3263	0.4592	0.3612	0.6269	0.1897	0.0576	0.4148	0.3145
1971-74	OBS. TOTAL	350	72	150	60	31	19	9	5	4
	EXP.		64.7	145.2	76.2	25.2	19.2	10.3	4.4	4.8
	OBS./EXP.		1.113	1.033	0.787	1.229	0.988	0.877	1.146	0.827
	RELATIVE RISK		1.000	0.929	0.708	1.105	0.888	0.789	1.030	0.743
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9376	0.4134	0.6735	0.7202	0.4616	0.7120	0.8623	0.7236	0.6405
1975-78	OBS. TOTAL	341	64	131	84	20	21	13	5	3
	EXP.		61.9	140.4	73.6	22.5	20.3	10.2	4.5	3.7
	OBS./EXP.		1.033	0.933	1.112	0.887	1.036	1.279	1.109	0.531
	RELATIVE RISK		1.000	0.903	1.076	0.858	1.003	1.237	1.073	0.513
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4195	0.7099	0.5287	0.3362	0.4371	0.8353	0.4783	0.4463	0.7356

TABLE 6-1 ALL NEOPLASMS

TABLE 6-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=45 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-75	OBS.	4982	1896	1320	964	281	231	132	56	100
TOTAL	EXP.		2009.6	1388.0	948.3	276.3	193.1	79.2	36.5	50.9
	OBS./EXP.		0.943	0.951	1.019	1.017	1.196	1.666	1.534	1.964
	RELATIVE RISK		1.000	1.008	1.080	1.078	1.268	1.766	1.626	2.081
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0784	0.1809	0.0075	0.0000	0.0052	0.0000	0.0569	0.0000	0.0000
1950-54	OBS.	504	196	122	95	30	24	12	7	18
	EXP.		203.0	142.2	97.7	27.4	18.3	7.2	3.4	5.0
	OBS./EXP.		0.966	0.858	0.972	1.093	1.315	1.675	2.078	3.617
	RELATIVE RISK		1.000	0.889	1.007	1.134	1.362	1.734	2.152	3.746
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4925	0.3099	0.1639	0.1203	0.0937	0.0001	0.4221	0.0774	0.0001
1955-58	OBS.	582	234	169	106	25	19	15	4	10
	EXP.		234.1	163.8	113.3	32.1	21.1	8.4	3.8	5.5
	OBS./EXP.		1.000	1.032	0.936	0.780	0.899	1.789	1.056	1.831
	RELATIVE RISK		1.000	1.032	0.936	0.780	0.899	1.789	1.057	1.832
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6489	0.7958	0.6049	0.0599	0.4289	0.1016	0.7333	0.2591	0.1485
1959-62	OBS.	670	242	188	134	36	40	8	9	13
	EXP.		277.0	183.0	128.0	37.7	24.2	9.5	4.5	6.2
	OBS./EXP.		0.874	1.027	1.047	0.954	1.656	0.845	2.012	2.086
	RELATIVE RISK		1.000	1.176	1.198	1.092	1.295	0.968	2.302	2.388
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1161	0.3133	0.0027	0.4470	0.0435	0.0153	0.1111	0.0077	0.0033
1963-66	OBS.	734	279	193	149	50	23	20	5	15
	EXP.		301.2	200.7	160.2	40.6	27.5	11.4	5.1	7.3
	OBS./EXP.		0.926	0.962	1.063	1.232	0.836	1.757	0.978	2.057
	RELATIVE RISK		1.000	1.038	1.147	1.330	0.902	1.897	1.056	2.221
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1701	0.1220	0.6305	0.0382	0.4370	0.0243	0.1017	0.2261	0.0529
1967-70	OBS.	780	287	207	161	43	31	28	8	15
	EXP.		312.7	215.7	148.1	44.0	31.7	13.5	5.9	8.3
	OBS./EXP.		0.918	0.960	1.087	0.977	0.979	2.067	1.346	1.801
	RELATIVE RISK		1.000	1.066	1.185	1.065	1.067	2.253	1.467	1.962
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1135	0.3529	0.3610	0.0010	0.2252	0.0303	0.1245	0.0263	0.0234
1971-74	OBS.	826	326	217	152	44	47	19	9	12
	EXP.		329.3	232.0	156.4	45.9	33.5	14.1	6.3	8.6
	OBS./EXP.		0.990	0.935	0.972	0.959	1.404	1.343	1.420	1.401
	RELATIVE RISK		1.000	0.945	0.982	0.969	1.418	1.357	1.434	1.415
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5293	0.5767	0.0784	0.2044	0.2580	0.2382	0.5411	0.0509	0.1368
1975-78	OBS.	886	332	224	169	53	47	30	14	17
	EXP.		354.3	249.1	165.5	68.8	37.1	15.2	7.1	8.9
	OBS./EXP.		0.937	0.899	1.021	1.087	1.266	1.972	1.980	1.900
	RELATIVE RISK		1.000	0.960	1.090	1.160	1.353	2.105	2.113	2.028
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2954	0.2910	0.1520	0.0046	0.0520	0.0372	0.2333	0.0108	0.0072

TABLE 6-2 ALL NEOPLASMS

TABLE 6-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	81	22	18	9	2	7	13	1	9
TOTAL	EXP.		31.8	24.5	14.5	3.9	2.1	1.1	0.5	0.7
	OBS./EXP.		0.692	0.734	0.546	0.517	3.288	12.140	2.218	13.237
	RELATIVE RISK		1.000	1.062	0.789	0.747	4.754	17.550	3.206	19.137
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6905	0.6772	0.0091	0.0000	0.2795	0.0000	0.6844	0.0000	0.0000
1950-54	OBS.	10	2	0	1	0	3	1	0	3
	EXP.		3.1	3.4	2.3	0.6	0.3	0.2	0.1	0.1
	OBS./EXP.		0.654	0.000	0.444	0.000	9.017	5.284	0.000	23.843
	RELATIVE RISK		1.000	0.000	0.678	0.000	13.780	8.075	0.000	36.438
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7446	0.8200	0.0170	0.2594	0.7716	0.0010	0.7901	0.0221	0.0000
1955-58	OBS.	5	1	0	1	0	0	2	0	1
	EXP.		1.8	1.6	1.1	0.3	0.1	0.1	0.0	0.0
	OBS./EXP.		0.555	0.000	0.950	0.000	0.000	25.993	0.000	20.263
	RELATIVE RISK		1.000	0.000	1.713	0.000	0.000	46.859	0.000	36.529
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2897	0.7752	0.7703	0.0400	0.7621	0.2409	0.3038	0.1985	0.0000
1959-62	OBS.	12	2	0	2	1	1	3	0	3
	EXP.		4.5	3.7	2.5	0.6	0.3	0.2	0.1	0.1
	OBS./EXP.		0.440	0.000	0.802	1.710	3.065	17.386	0.000	27.805
	RELATIVE RISK		1.000	0.000	1.823	3.869	6.968	39.528	0.000	63.216
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3542	0.2734	0.2562	0.0011	0.7699	0.0008	0.4105	0.0055	0.0000
1963-66	OBS.	4	0	1	1	0	0	1	0	1
	EXP.		1.3	1.3	0.9	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	0.758	1.144	0.000	0.000	15.104	0.000	23.195
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2398	X	X	0.2398	X	0.2398	0.2398	0.2398	0.0000
1967-70	OBS.	10	4	2	0	0	2	0	1	1
	EXP.		3.9	3.0	2.1	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		1.030	0.659	0.000	0.000	7.657	0.000	17.409	11.877
	RELATIVE RISK		1.000	0.640	0.000	0.000	7.437	0.000	16.909	11.536
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9193	0.8272	0.1831	0.7843	0.2453	0.2474	0.9346	0.2948	0.0000
1971-74	OBS.	17	5	7	2	0	1	2	0	0
	EXP.		6.9	5.1	3.4	0.8	0.4	0.2	0.1	0.1
	OBS./EXP.		0.724	1.385	0.590	0.000	2.320	9.695	0.000	0.000
	RELATIVE RISK		1.000	1.912	0.814	0.000	3.202	13.384	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6244	0.8086	0.2662	0.0360	0.7656	0.7670	0.6998	0.0528	0.0072
1975-78	OBS.	23	8	8	2	1	0	4	0	0
	EXP.		10.3	8.4	4.4	1.0	0.5	0.2	0.1	0.1
	OBS./EXP.		0.778	1.252	0.458	1.004	0.000	17.856	0.000	0.000
	RELATIVE RISK		1.000	1.608	0.589	1.290	0.000	22.946	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7693	0.4009	0.8143	0.0001	0.7735	0.7811	0.7137	0.0370	0.0050

TABLE 6-3 ALL NEOPLASMS

TABLE 6-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR CLASS		T-85 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS. TOTAL	273	79	76	44	12	22	15	13	12		
	EXP.		100.5	84.4	44.0	14.5	15.5	7.2	3.0	3.9		
	OBS./EXP.		0.786	0.900	0.999	0.823	1.422	2.080	4.354	3.116		
	RELATIVE RISK		1.000	1.143	1.270	1.050	1.808	2.845	5.537	3.962		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.1722	0.4546	0.0408	0.0069	0.0000	0.0006	0.1959	0.0037	0.0000	0.0000	0.0000
1950-54	OBS. EXP.	9	1 3.4	1 2.8	0 1.4	1 0.5	0 0.5	1 0.2	2 0.1	3 0.1		
	OBS./EXP.		0.298	0.358	0.000	2.159	0.000	4.534	20.781	22.692		
	RELATIVE RISK		1.000	1.201	0.000	7.253	0.000	15.234	69.822	76.243		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.8265	0.2490	0.7753	0.2428	0.0001	0.0002	0.2968	0.2512	0.0000	0.0000	0.0000
1955-58	OBS. EXP.	18	3 5.8	6 5.8	5 2.9	0 1.1	2 1.3	2 0.6	0 0.2	0 0.3		
	OBS./EXP.		0.320	1.036	1.701	0.000	1.566	3.258	0.000	0.000		
	RELATIVE RISK		1.000	1.992	3.270	0.000	3.012	6.321	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.1889	0.8287	0.3584	0.2639	0.7771	0.7770	0.2931	0.1780	0.7919	0.3175	0.3127
1959-62	OBS. EXP.	15	5 5.6	5 4.4	2 2.5	0 0.8	2 0.8	0 0.4	1 0.2	0 0.2		
	OBS./EXP.		0.887	1.127	0.791	0.000	2.415	0.000	5.863	0.000		
	RELATIVE RISK		1.000	1.271	0.892	0.000	2.722	0.000	6.409	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.5848	0.8397	0.2896	0.8040	0.2606	0.7878	0.6880	0.4219	0.2941	0.3916	0.2904
1963-66	OBS. EXP.	23	7 8.1	7 7.1	5 3.7	1 1.3	2 1.4	1 0.6	0 0.3	0 0.3		
	OBS./EXP.		0.842	0.991	1.334	0.785	1.456	1.539	0.000	0.000		
	RELATIVE RISK		1.000	1.176	1.584	0.932	1.728	1.827	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.3792	0.6395	0.3661	0.3420	0.7879	0.7973	0.4420	0.4047	0.8186	0.9713	0.5719
1967-70	OBS. EXP.	46	10 16.7	16 13.9	8 7.6	3 2.6	2 2.7	4 1.3	1 0.5	2 0.6		
	OBS./EXP.		0.600	1.147	1.053	1.161	0.728	3.116	1.871	3.130		
	RELATIVE RISK		1.000	1.912	1.755	1.935	1.213	5.193	3.118	5.216		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.2412	0.3486	0.4119	0.0344	0.2769	0.1224	0.1864	0.1712	0.0766	0.0771	0.0042
1971-74	OBS. EXP.	63	22 23.6	19 19.5	7 10.1	2 3.3	6 3.4	3 1.6	4 0.7	0 0.9		
	OBS./EXP.		0.934	0.975	0.694	0.611	1.743	1.876	5.905	0.000		
	RELATIVE RISK		1.000	1.044	0.744	0.654	1.867	2.009	6.325	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.6875	0.7645	0.2197	0.3359	0.0102	0.8330	0.7297	0.1610	0.1342	0.0025	0.0246
1975-78	OBS. EXP.	99	31 37.2	22 30.8	17 15.7	5 5.0	8 5.3	4 2.5	5 1.0	7 1.3		
	OBS./EXP.		0.832	0.713	1.080	0.991	1.509	1.631	4.922	5.200		
	RELATIVE RISK		1.000	0.857	1.298	1.190	1.813	1.960	5.914	6.248		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.3045	0.4329	0.1971	0.2109	0.0053	0.0005	0.3064	0.1021	0.0000	0.0000	0.0000

TABLE 6-4 ALL NEOPLASMS

TABLE 6-4

MIYOSHIKAWA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR CLASS	T=65 TOTAL DOSE IN RAD								
	TOTAL	0 A	1-9 B	10-19 C	20-29 D	30-39 E	40-49 F	50-59 G	60+ H
1950-78 OBS. TOTAL EXP.	702	245 276.1	172 199.4	136 126.0	63 40.0	44 29.8	33 14.4	11 7.2	18 9.1
OBS./EXP. RELATIVE RISK		0.887 1.000	0.863 0.972	1.079 1.216	1.074 1.210	1.476 1.663	2.296 2.587	1.530 1.724	1.987 2.239
TEST PROB.	A=C? 0.0961	A=D? 0.2590	A=E? 0.0326	A=F? 0.0004	A=G? 0.1576	A=H? 0.0160	A=I? 0.0844	A=J? 0.0005	A=K? 0.0094
1950-54 OBS. TOTAL EXP.	41	14 16.5	11 11.5	8 7.3	0 2.3	3 1.7	2 0.8	1 0.4	2 0.5
OBS./EXP. RELATIVE RISK		0.830 1.000	0.959 1.129	1.092 1.286	0.000 0.000	1.785 2.101	2.459 2.894	2.502 2.945	3.836 4.515
TEST PROB.	A=C? 0.4103	A=D? 0.8876	A=E? 0.2980	A=F? 0.3117	A=G? 0.2743	A=H? 0.1727	A=I? 0.4639	A=J? 0.1716	A=K? 0.1105
1955-58 OBS. TOTAL EXP.	41	13 15.5	15 12.0	6 7.8	2 2.4	0 1.7	2 0.7	0 0.4	3 0.6
OBS./EXP. RELATIVE RISK		0.837 1.000	1.251 1.494	0.774 0.924	0.837 1.000	0.000 0.000	2.701 3.227	0.000 0.000	5.453 6.513
TEST PROB.	A=C? 0.4784	A=D? 0.4505	A=E? 0.2726	A=F? 0.2551	A=G? 0.7980	A=H? 0.0405	A=I? 0.4446	A=J? 0.4036	A=K? 0.1383
1959-62 OBS. TOTAL EXP.	54	19 21.9	13 15.2	10 9.8	2 3.0	4 2.0	0 0.9	2 0.5	4 0.7
OBS./EXP. RELATIVE RISK		0.866 1.000	0.856 0.988	1.020 1.178	0.676 0.781	1.961 2.264	0.000 0.000	4.104 4.738	6.046 6.979
TEST PROB.	A=C? 0.4357	A=D? 0.6888	A=E? 0.2907	A=F? 0.8473	A=G? 0.2012	A=H? 0.0115	A=I? 0.4469	A=J? 0.4374	A=K? 0.0039
1963-66 OBS. TOTAL EXP.	97	32 39.3	30 27.4	18 17.5	7 5.3	2 3.7	4 1.7	1 0.9	3 1.2
OBS./EXP. RELATIVE RISK		0.815 1.000	1.096 1.345	1.027 1.260	1.326 1.627	0.538 0.661	2.310 2.835	1.117 1.370	2.502 3.071
TEST PROB.	A=C? 0.3260	A=D? 0.3752	A=E? 0.7799	A=F? 0.1989	A=G? 0.4311	A=H? 0.2062	A=I? 0.2721	A=J? 0.4879	A=K? 0.2479
1967-70 OBS. TOTAL EXP.	117	38 45.3	25 33.4	29 20.9	9 6.8	8 5.2	4 2.6	2 1.3	2 1.6
OBS./EXP. RELATIVE RISK		0.840 1.000	0.748 0.890	1.386 1.651	1.330 1.584	1.529 1.821	1.553 1.849	1.581 1.883	1.288 1.534
TEST PROB.	A=C? 0.0931	A=D? 0.2119	A=E? 0.1807	A=F? 0.3711	A=G? 0.4067	A=H? 0.3817	A=I? 0.0763	A=J? 0.1501	A=K? 0.3908
1971-74 OBS. TOTAL EXP.	154	52 60.6	39 43.8	30 27.6	8 6.8	13 8.5	8 3.1	2 1.6	2 2.0
OBS./EXP. RELATIVE RISK		0.858 1.000	0.890 1.037	1.086 1.266	0.912 1.062	1.485 2.313	2.574 2.999	1.261 1.470	1.016 1.184
TEST PROB.	A=C? 0.2413	A=D? 0.4586	A=E? 0.0590	A=F? 0.0488	A=G? 0.3818	A=H? 0.4182	A=I? 0.2698	A=J? 0.0158	A=K? 0.4370
1975-78 OBS. TOTAL EXP.	198	77 77.1	39 56.3	35 35.0	15 11.6	14 8.8	13 4.3	3 2.2	2 2.6
OBS./EXP. RELATIVE RISK		0.998 1.000	0.692 0.693	0.999 1.001	1.294 1.296	1.584 1.586	3.031 3.035	1.364 1.366	0.776 0.777
TEST PROB.	A=C? 0.4934	A=D? 0.2897	A=E? 0.1936	A=F? 0.0040	A=G? 0.4186	A=H? 0.6528	A=I? 0.4167	A=J? 0.0171	A=K? 0.4422

TABLE 6-5 ALL NEOPLASMS

TABLE 6-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	2207	836	596	448	130	88	42	23	44		
TOTAL	EXP.		885.7	602.6	426.8	122.7	92.4	35.4	16.6	24.8		
	OBS./EXP.		0.944	0.989	1.050	1.060	0.953	1.185	1.383	1.776		
	RELATIVE RISK		1.000	1.048	1.112	1.123	1.009	1.256	1.462	1.882		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.0932	0.1702	0.4537	0.1336	0.1066	0.0020	0.0661	0.2219	0.0013	0.0013	0.0000
1950-54	OBS.	164	55	47	33	13	5	5	2	4		
	EXP.		65.9	44.7	32.3	9.0	6.5	2.5	1.3	1.8		
	OBS./EXP.		0.834	1.053	1.021	1.446	0.774	1.962	1.580	2.217		
	RELATIVE RISK		1.000	1.262	1.224	1.734	0.928	2.352	1.894	2.657		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.2927	0.1198	0.5907	0.1823	0.4118	0.1883	0.1595	0.3500	0.1665	0.2008	0.0109
1955-58	OBS.	210	90	53	43	5	7	5	4	3		
	EXP.		86.8	56.4	40.9	11.2	8.0	3.0	1.5	2.2		
	OBS./EXP.		1.036	0.939	1.052	0.448	0.875	1.661	2.717	1.368		
	RELATIVE RISK		1.000	0.906	1.015	0.432	0.844	1.602	2.622	1.320		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4789	0.9114	0.6273	0.2394	0.1276	0.4524	0.6738	0.4457	0.1406	0.1918	0.1057
1959-62	OBS.	267	90	75	60	16	14	3	4	5		
	EXP.		107.2	72.7	51.3	13.1	11.3	4.3	2.1	3.1		
	OBS./EXP.		0.839	1.032	1.170	1.059	1.240	0.696	1.950	1.630		
	RELATIVE RISK		1.000	1.229	1.395	1.262	1.477	0.829	2.323	1.942		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.0616	0.2193	0.1499	0.4406	0.1413	0.1726	0.0569	0.1837	0.0729	0.2723	0.0433
1963-66	OBS.	301	113	79	58	27	9	8	2	5		
	EXP.		120.9	82.0	57.7	16.8	12.9	4.9	2.2	3.5		
	OBS./EXP.		0.934	0.963	1.005	1.605	0.699	1.624	0.901	1.427		
	RELATIVE RISK		1.000	1.031	1.076	1.717	0.748	1.738	0.964	1.528		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3873	0.0357	0.6948	0.1550	0.4160	0.3156	0.1708	0.4501	0.3337	0.1525	0.0936
1967-70	OBS.	395	150	109	81	19	14	10	3	9		
	EXP.		156.1	108.2	76.4	22.4	17.3	6.8	3.0	4.7		
	OBS./EXP.		0.961	1.007	1.060	0.847	0.809	1.468	0.989	1.930		
	RELATIVE RISK		1.000	1.048	1.103	0.881	0.842	1.528	1.030	2.008		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3426	0.6493	0.6664	0.1754	0.4201	0.0761	0.4215	0.4376	0.1162	0.3979	0.0523
1971-74	OBS.	412	167	106	85	23	16	2	3	10		
	EXP.		164.8	113.0	79.7	22.7	17.6	6.8	3.0	4.4		
	OBS./EXP.		1.013	0.938	1.067	1.014	0.907	0.294	1.014	2.270		
	RELATIVE RISK		1.000	0.925	1.052	1.001	0.895	0.290	1.001	2.240		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3982	0.4708	0.6256	0.9216	0.4492	0.0538	0.4104	0.8060	0.0976	0.1148	0.1410
1975-78	OBS.	458	171	127	88	27	23	9	5	8		
	EXP.		185.3	125.6	88.4	25.0	19.3	7.0	3.1	4.3		
	OBS./EXP.		0.923	1.011	0.995	1.081	1.192	1.294	1.633	1.840		
	RELATIVE RISK		1.000	1.096	1.078	1.171	1.291	1.402	1.769	1.993		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3800	0.3768	0.3190	0.3629	0.3497	0.1672	0.3126	0.2252	0.1276	0.4098	0.0051

TABLE 6-6 ALL NEOPLASMS

TABLE 6-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE 170-50+

YEAR	CLASS	1-65 TOTAL DOSE IN RAD							
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399
			A	B	C	D	E	F	G
									H
1950-78	OBS.	1719	714	458	329	94	70	29	8
TOTAL	EXP.		715.6	477.0	335.0	95.1	53.3	21.1	9.3
	OBS./EXP.		0.998	0.960	0.982	0.988	1.312	1.373	0.864
	RELATIVE RISK		1.000	0.962	0.984	0.990	1.315	1.376	0.866
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?
	PROB.	0.5945	0.4876	0.0691	0.1227	0.6425	0.2356	0.5776	0.0308
1950-54	OBS.	280	124	63	53	16	13	3	2
	EXP.		116.2	79.8	54.3	15.1	9.3	3.4	1.5
	OBS./EXP.		1.086	0.789	0.975	1.061	1.399	0.884	1.305
	RELATIVE RISK		1.000	0.727	0.975	0.977	1.288	0.814	1.202
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?
	PROB.	0.7186	0.4971	0.3303	0.6506	0.3941	0.1130	0.6958	0.6204
1955-58	OBS.	308	127	95	51	18	10	4	0
	EXP.		124.1	88.0	60.7	17.2	10.1	3.9	1.7
	OBS./EXP.		1.023	1.080	0.841	1.049	0.995	1.013	0.000
	RELATIVE RISK		1.000	1.055	0.822	1.026	0.972	0.990	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?
	PROB.	0.8255	0.4694	0.5528	0.5186	0.8816	0.4132	0.7772	0.4797
1959-62	OBS.	322	126	95	60	17	19	2	2
	EXP.		137.6	87.0	61.9	18.3	9.7	3.7	1.7
	OBS./EXP.		0.916	1.092	0.970	0.931	1.965	0.544	1.182
	RELATIVE RISK		1.000	1.192	1.039	1.017	2.146	0.596	1.290
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?
	PROB.	0.4597	0.4689	0.0161	0.7432	0.3839	0.7499	0.6516	0.0612
1963-66	OBS.	309	127	76	67	15	10	6	2
	EXP.		131.4	82.9	60.4	17.0	9.4	4.0	1.7
	OBS./EXP.		0.967	0.917	1.110	0.882	1.040	1.496	1.170
	RELATIVE RISK		1.000	0.948	1.168	0.913	1.096	1.547	1.210
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?
	PROB.	0.2854	0.6378	0.4605	0.3250	0.5987	0.0869	0.3507	0.3420
1967-70	OBS.	212	85	55	43	12	5	10	1
	EXP.		90.3	57.1	41.1	11.7	6.1	2.7	1.1
	OBS./EXP.		0.936	0.963	1.047	1.024	0.817	3.648	0.949
	RELATIVE RISK		1.000	1.029	1.119	1.094	0.873	3.898	1.014
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?
	PROB.	0.3207	0.4149	0.4756	0.0007	0.3908	0.6053	0.3115	0.0424
1971-74	OBS.	180	80	46	28	11	11	4	0
	EXP.		73.4	50.6	35.6	10.4	5.4	2.4	1.0
	OBS./EXP.		1.090	0.909	0.787	1.063	2.031	1.642	0.000
	RELATIVE RISK		1.000	0.834	0.722	0.975	1.864	1.507	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?
	PROB.	0.8682	0.5686	0.1751	0.3720	0.8540	0.8616	0.8246	0.1381
1975-78	OBS.	108	45	28	27	5	2	0	1
	EXP.		44.6	29.9	21.9	6.1	3.1	1.3	0.7
	OBS./EXP.		1.014	0.936	1.230	0.814	0.642	0.000	1.441
	RELATIVE RISK		1.000	0.923	1.213	0.802	0.632	0.000	1.420
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?
	PROB.	0.3401	0.6694	0.7388	0.8802	0.3452	0.8150	0.4065	0.8413

TABLE 6-7. ALL NEOPLASMS

TABLE 6-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2513	991	664	443	137	124	68	26	40
TOTAL	EXP.	1005.2	705.1	454.0	141.6	112.5	44.0	20.0	30.7	
	OBS./EXP.	0.986	0.942	0.976	0.968	1.102	1.545	1.301	1.957	
	RELATIVE RISK	1.000	0.955	0.990	0.982	1.118	1.568	1.320	1.985	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5243	0.3496	0.2020	0.0058	0.1729	0.0001	0.5360	0.0259	0.0000
1950-54	OBS.	273	117	67	42	14	14	6	3	10
	EXP.	109.4	77.6	50.8	14.7	11.2	4.2	1.9	3.2	
	OBS./EXP.	1.069	0.863	0.827	0.951	1.252	1.441	1.547	3.137	
	RELATIVE RISK	1.000	0.807	0.773	0.889	1.171	1.347	1.447	2.933	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8378	0.6009	0.3453	0.3545	0.4361	0.0125	0.8267	0.2902	0.0001
1955-58	OBS.	289	114	83	54	12	10	7	3	6
	EXP.	117.9	80.8	53.5	15.7	11.7	4.3	1.9	3.2	
	OBS./EXP.	0.967	1.028	1.009	0.763	0.855	1.628	1.577	1.860	
	RELATIVE RISK	1.000	1.062	1.043	0.789	0.884	1.683	1.631	1.924	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4849	0.7519	0.6627	0.2352	0.4933	0.1971	0.5604	0.4588	0.0409
1959-62	OBS.	341	122	98	66	10	24	6	8	9
	EXP.	137.9	94.8	61.9	19.9	14.7	5.4	2.5	3.9	
	OBS./EXP.	0.885	1.034	1.066	0.504	1.635	1.113	2.397	2.287	
	RELATIVE RISK	1.000	1.168	1.206	0.569	1.849	1.258	2.710	2.585	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1646	0.8867	0.0213	0.3236	0.0427	0.0244	0.3729	0.0234	0.0008
1963-66	OBS.	378	152	98	67	30	10	12	0	9
	EXP.	151.4	105.1	69.2	21.8	16.6	6.5	2.9	4.6	
	OBS./EXP.	1.004	0.933	0.969	1.378	0.601	1.845	0.000	1.975	
	RELATIVE RISK	1.000	0.929	0.965	1.373	0.599	1.838	0.000	1.968	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5745	0.1674	0.8783	0.1046	0.9207	0.1196	0.3927	0.5666	0.0105
1967-70	OBS.	387	152	109	63	21	17	15	4	6
	EXP.	152.7	107.4	69.9	22.8	18.5	7.6	3.2	5.0	
	OBS./EXP.	0.996	1.015	0.901	0.921	0.920	1.973	1.249	1.205	
	RELATIVE RISK	1.000	1.019	0.905	0.925	0.924	1.982	1.255	1.210	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6814	0.5969	0.5581	0.0376	0.4793	0.4071	0.6970	0.2066	0.0750
1971-74	OBS.	406	165	97	74	27	23	10	2	8
	EXP.	162.1	113.0	73.1	22.9	18.9	7.7	3.4	5.0	
	OBS./EXP.	1.018	0.859	1.012	1.181	1.214	1.305	0.588	1.610	
	RELATIVE RISK	1.000	0.843	0.994	1.160	1.192	1.281	0.577	1.582	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4808	0.2922	0.3369	0.3437	0.7431	0.2170	0.4040	0.2953	0.0506
1975-78	OBS.	439	169	112	77	23	26	12	8	12
	EXP.	174.0	124.8	77.0	24.6	21.3	8.5	3.9	5.0	
	OBS./EXP.	0.971	0.897	1.000	0.935	1.222	1.417	2.051	2.414	
	RELATIVE RISK	1.000	0.923	1.030	0.963	1.257	1.459	2.112	2.485	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4850	0.6051	0.3206	0.2886	0.1456	0.0304	0.4819	0.2184	0.0160

TABLE 6-8 ALL NEOPLASMS

TABLE 6-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2469	905	656	523	144	107	64	30	10
TOTAL	EXP.		1004.4	682.9	494.3	134.7	80.6	35.2	16.5	20.3
	OBS./EXP.		0.901	0.961	1.058	1.069	1.327	1.817	1.815	1.974
	RELATIVE RISK		1.000	1.066	1.174	1.187	1.673	2.017	2.014	2.190
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.
PROB.	0.0208	0.0772	0.0028	0.0000	0.0033	0.0002	0.0106	0.0000	0.0000	0.0000
1950-54	OBS.	231	79	55	53	16	10	6	4	6
EXP.			93.6	64.6	46.9	12.7	7.1	3.0	1.4	1.8
	OBS./EXP.		0.844	0.852	1.130	1.263	1.415	2.000	2.798	4.474
	RELATIVE RISK		1.000	1.009	1.338	1.496	1.875	2.369	3.314	5.300
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.
PROB.	0.1735	0.1686	0.1757	0.1295	0.0841	0.0013	0.1062	0.0688	0.0005	0.0000
1955-58	OBS.	293	120	86	52	13	9	8	1	4
EXP.			116.2	83.0	59.8	16.3	9.4	4.1	1.9	2.2
	OBS./EXP.		1.033	1.036	0.870	0.795	0.954	1.958	0.530	1.790
	RELATIVE RISK		1.000	1.003	0.842	0.770	0.924	1.896	0.514	1.733
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.
PROB.	0.7390	0.7180	0.4545	0.0991	0.7192	0.2533	0.7790	0.2440	0.4277	0.3743
1959-62	OBS.	329	120	90	68	26	16	2	3	4
EXP.			139.0	88.2	66.1	17.9	9.5	4.1	2.0	2.3
	OBS./EXP.		0.863	1.020	1.029	1.455	1.688	0.491	1.522	1.743
	RELATIVE RISK		1.000	1.182	1.192	1.685	1.955	0.569	1.764	2.019
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.
PROB.	0.2512	0.0365	0.0365	0.7630	0.3889	0.2462	0.0925	0.1008	0.1700	0.0509
1963-66	OBS.	356	127	95	82	20	13	8	5	6
EXP.			149.8	95.6	71.0	18.8	10.9	4.9	2.3	2.7
	OBS./EXP.		0.848	0.994	1.154	1.062	1.194	1.639	2.209	2.193
	RELATIVE RISK		1.000	1.172	1.361	1.253	1.408	1.933	2.605	2.586
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.
PROB.	0.0660	0.2873	0.2076	0.1415	0.0883	0.0671	0.0668	0.0906	0.0124	0.0321
1967-70	OBS.	393	135	98	98	22	14	13	4	9
EXP.			160.1	108.3	78.2	21.2	13.2	5.9	2.7	3.3
	OBS./EXP.		0.843	0.905	1.254	1.038	1.062	2.188	1.460	2.687
	RELATIVE RISK		1.000	1.073	1.487	1.230	1.259	2.594	1.731	3.186
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.
PROB.	0.0191	0.2237	0.2488	0.0052	0.2530	0.0068	0.0200	0.0245	0.0086	0.0001
1971-74	OBS.	420	161	120	78	17	24	9	7	4
EXP.			167.2	119.0	83.2	23.0	14.5	6.5	2.9	3.6
	OBS./EXP.		0.963	1.008	0.937	0.738	1.651	1.389	2.384	1.112
	RELATIVE RISK		1.000	1.047	0.973	0.767	1.715	1.442	2.476	1.154
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.
PROB.	0.5565	0.8224	0.0607	0.2716	0.0765	0.4240	0.6732	0.0384	0.1343	0.0327
1975-78	OBS.	447	163	112	92	30	21	18	4	5
EXP.			180.3	124.3	88.6	24.2	15.8	8.7	3.2	4.0
	OBS./EXP.		0.904	0.901	1.039	1.241	1.331	2.670	1.893	1.257
	RELATIVE RISK		1.000	0.997	1.149	1.373	1.472	2.954	2.094	1.391
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.
PROB.	0.2516	0.1639	0.1752	0.0007	0.1503	0.3914	0.1674	0.0059	0.1383	0.0002

TABLE 6-9 ALL NEOPLASMS

TABLE 6-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	3974	1699	962	761	209	155	86	38	64
TOTAL	EXP.	1796.1	1025.7	737.6	196.0	122.6	43.3	21.1	31.5	
	OBS./EXP.	0.946	0.938	1.032	1.066	1.264	1.984	1.804	2.033	
	RELATIVE RISK	1.000	0.992	1.091	1.127	1.336	2.098	1.907	2.149	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0812	0.1319	0.0083	0.0000	0.0028	0.0000	0.0513	0.0000	0.0000
1950-54	OBS.	404	178	92	72	25	17	6	6	8
	EXP.	182.7	104.7	74.7	20.1	12.3	4.2	2.1	3.2	
	OBS./EXP.	0.974	0.878	0.964	1.247	1.379	1.422	2.851	2.521	
	RELATIVE RISK	1.000	0.902	0.990	1.280	1.416	1.460	2.926	2.588	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5367	0.2319	0.2015	0.3303	0.0484	0.0446	0.4120	0.1524	0.0065
1955-58	OBS.	449	214	118	81	21	14	11	3	7
	EXP.	212.2	120.6	87.4	23.7	14.3	5.0	2.4	3.6	
	OBS./EXP.	1.009	0.979	0.927	0.887	0.982	2.208	1.242	1.970	
	RELATIVE RISK	1.000	0.970	0.919	0.879	0.974	2.189	1.231	1.953	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6982	0.6872	0.5442	0.0457	0.4105	0.1394	0.7279	0.2161	0.1612
1959-62	OBS.	563	228	145	110	31	30	6	5	8
	EXP.	254.7	144.1	105.0	29.0	17.1	6.0	2.9	4.1	
	OBS./EXP.	0.895	1.006	1.047	1.068	1.756	1.003	1.715	1.944	
	RELATIVE RISK	1.000	1.124	1.170	1.193	1.962	1.121	1.916	2.172	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1781	0.2849	0.0083	0.4403	0.2171	0.0893	0.1522	0.0163	0.0479
1963-66	OBS.	602	252	146	123	34	20	12	5	10
	EXP.	272.9	153.8	112.4	29.9	18.4	6.8	3.1	4.6	
	OBS./EXP.	0.923	0.949	1.094	1.136	1.086	1.773	1.636	2.156	
	RELATIVE RISK	1.000	1.028	1.185	1.230	1.176	1.920	1.771	2.335	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1438	0.2349	0.3543	0.0750	0.2446	0.0409	0.1126	0.1343	0.0269
1967-70	OBS.	602	258	144	119	29	20	17	4	11
	EXP.	273.3	153.6	112.4	29.4	18.6	6.8	3.1	4.8	
	OBS./EXP.	0.944	0.938	1.058	0.985	1.073	2.513	1.307	2.291	
	RELATIVE RISK	1.000	0.993	1.121	1.044	1.136	2.662	1.385	2.428	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2430	0.4778	0.4017	0.0030	0.4258	0.0257	0.2579	0.0480	0.0347
1971-74	OBS.	639	285	146	123	30	27	12	8	8
	EXP.	286.5	165.5	119.0	30.8	19.7	7.1	3.3	5.2	
	OBS./EXP.	0.988	0.882	1.034	0.975	1.370	1.697	2.402	1.553	
	RELATIVE RISK	1.000	0.893	1.046	0.987	1.386	1.718	2.431	1.572	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3972	0.5327	0.1403	0.1218	0.0526	0.2259	0.4222	0.0584	0.0431
1975-78	OBS.	695	284	171	133	39	27	22	7	12
	EXP.	311.8	183.3	128.7	32.9	21.9	7.4	3.7	5.3	
	OBS./EXP.	0.911	0.933	1.033	1.185	1.233	2.984	1.880	2.263	
	RELATIVE RISK	1.000	1.024	1.134	1.301	1.353	3.276	2.064	2.484	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2081	0.1518	0.1494	0.0001	0.1236	0.0195	0.1344	0.0030	0.0078

TABLE 6-10 ALL NEOPLASMS

TABLE 6-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	1008 213.5	197 213.5	358 362.3	205 210.7	72 80.2	76 70.5	46 33.9	18 13.5	36 19.4
	OBS./EXP. RELATIVE RISK		0.923 1.000	0.988 1.071	0.973 1.054	0.898 0.973	1.078 1.169	1.282 1.390	1.165 1.263	1.851 2.006
	TEST PROB.	A=C? 0.3814	A=D? 0.5673	A=E? 0.2250	A=F? 0.0870	A=G? 0.2862	A=H? 0.0037	A=I? 0.6304	A=J? 0.1020	HOMO. 0.0097 TREND, 0.0000
1950-54	OBS. EXP.	100 20.3	18 20.3	30 37.4	23 23.0	5 7.3	7 5.9	6 2.9	1 1.3	10 1.3
	OBS./EXP. RELATIVE RISK		0.887 1.000	0.802 0.903	0.999 1.126	0.681 0.768	1.181 1.331	2.037 2.295	0.791 0.892	5.547 6.251
	TEST PROB.	A=C? 0.4564	A=D? 0.6904	A=E? 0.3872	A=F? 0.1457	A=G? 0.5886	A=H? 0.0002	A=I? 0.5287	A=J? 0.1895	HOMO. 0.0041 TREND, 0.0000
1955-58	OBS. EXP.	113 21.9	20 21.9	51 43.3	25 25.9	4 8.4	5 6.9	6 3.4	1 1.4	3 1.9
	OBS./EXP. RELATIVE RISK		0.913 1.000	1.179 1.291	0.965 1.057	0.477 0.522	0.727 0.796	1.175 1.286	0.729 0.798	1.574 1.723
	TEST PROB.	A=C? 0.4661	A=D? 0.8510	A=E? 0.6694	A=F? 0.4304	A=G? 0.6373	A=H? 0.3927	A=I? 0.5963	A=J? 0.5576	HOMO. 0.4505 TREND, 0.6274 0.4799
1959-62	OBS. EXP.	107 22.2	14 22.2	43 38.9	24 22.9	5 8.7	10 7.1	2 3.5	4 1.6	5 2.1
	OBS./EXP. RELATIVE RISK		0.630 1.000	1.105 1.754	1.046 1.681	0.575 0.912	1.414 2.244	0.575 0.912	2.568 4.075	2.363 3.752
	TEST PROB.	A=C? 0.1941	A=D? 0.5895	A=E? 0.1063	A=F? 0.5766	A=G? 0.0624	A=H? 0.0565	A=I? 0.2614	A=J? 0.1648	HOMO. 0.0149 TREND, 0.0391 0.0175
1963-66	OBS. EXP.	132 28.3	27 28.3	47 46.8	26 27.8	16 10.7	3 9.1	8 4.6	0 2.1	5 2.7
	OBS./EXP. RELATIVE RISK		0.954 1.000	1.003 1.052	0.936 0.982	1.502 1.574	0.329 0.345	1.733 1.816	0.000 0.000	1.884 1.975
	TEST PROB.	A=C? 0.5586	A=D? 0.1720	A=E? 0.9296	A=F? 0.1985	A=G? 0.8932	A=H? 0.2379	A=I? 0.3822	A=J? 0.6811	HOMO. 0.4325 TREND, 0.0577 0.2339
1967-70	OBS. EXP.	178 39.4	29 39.4	63 62.2	42 35.6	14 14.6	11 13.0	11 6.8	4 2.9	4 3.5
	OBS./EXP. RELATIVE RISK		0.735 1.000	1.013 1.378	1.179 1.603	0.962 1.308	0.845 1.149	1.622 2.207	1.388 1.887	1.134 1.543
	TEST PROB.	A=C? 0.1006	A=D? 0.3194	A=E? 0.4946	A=F? 0.0795	A=G? 0.2892	A=H? 0.4149	A=I? 0.1086	A=J? 0.1869	HOMO. 0.2360 TREND, 0.3836 0.1347
1971-74	OBS. EXP.	187 40.8	41 40.8	71 66.5	29 37.4	14 15.1	20 13.8	7 7.1	1 3.0	4 3.4
	OBS./EXP. RELATIVE RISK		1.005 1.000	1.068 1.063	0.776 0.772	0.927 0.922	1.452 1.445	0.989 0.984	0.333 0.331	1.172 1.166
	TEST PROB.	A=C? 0.8061	A=D? 0.6136	A=E? 0.2103	A=F? 0.5449	A=G? 0.8437	A=H? 0.4215	A=I? 0.7803	A=J? 0.2910	HOMO. 0.6960 TREND, 0.4713 0.3912
1975-78	OBS. EXP.	191 42.5	48 42.5	53 65.8	36 36.8	14 15.9	20 15.2	8 7.8	7 3.3	5 3.6
	OBS./EXP. RELATIVE RISK		1.128 1.000	0.806 0.714	0.978 0.867	0.883 0.782	1.319 1.169	1.020 0.904	2.091 1.854	1.372 1.216
	TEST PROB.	A=C? 0.6962	A=D? 0.7421	A=E? 0.3660	A=F? 0.5998	A=G? 0.1760	A=H? 0.4642	A=I? 0.7516	A=J? 0.4433	HOMO. 0.2005 TREND, 0.2100 0.0325

TABLE 7-1 ALL MALIGNANT NEOPLASMS

TABLE 7-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	4756	1816	1248	924	270	222	124	55	97
TOTAL	EXP.		1919.9	1324.2	905.1	263.5	184.2	75.5	34.8	48.6
	OBS./EXP.		0.946	0.942	1.021	1.024	1.205	1.642	1.579	1.996
	RELATIVE RISK		1.000	0.996	1.079	1.083	1.274	1.736	1.669	2.110
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0842	0.1693	0.0063	0.0000	0.0035	0.0000	0.0603	0.0000	0.0000
1950-54	OBS.	477	188	111	89	28	24	12	7	18
	EXP.		192.6	134.4	92.3	25.8	17.2	6.7	3.2	4.7
	OBS./EXP.		0.976	0.826	0.964	1.085	1.394	1.786	2.203	3.829
	RELATIVE RISK		1.000	0.846	0.988	1.111	1.428	1.829	2.257	3.922
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5505	0.3309	0.1240	0.0908	0.0740	0.0001	0.4641	0.0517	0.0000
1955-58	OBS.	551	223	156	101	25	18	14	4	10
	EXP.		222.0	154.9	107.2	30.3	19.9	7.9	3.6	5.2
	OBS./EXP.		1.005	1.007	0.942	0.825	0.903	1.776	1.119	1.934
	RELATIVE RISK		1.000	1.002	0.938	0.822	0.899	1.768	1.114	1.925
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6412	0.7442	0.5967	0.0683	0.4237	0.0861	0.7061	0.2553	0.1241
1959-62	OBS.	644	228	182	131	35	40	6	9	13
	EXP.		266.1	176.0	123.1	36.3	23.2	9.1	4.3	8.0
	OBS./EXP.		0.857	1.034	1.064	0.945	1.726	0.660	2.095	2.180
	RELATIVE RISK		1.000	1.207	1.243	1.127	2.014	0.771	2.445	2.544
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0773	0.2656	0.0010	0.6302	0.0307	0.0087	0.0741	0.0058	0.0015
1963-66	OBS.	700	269	182	141	48	22	19	5	14
	EXP.		287.7	191.0	133.7	38.7	26.2	10.8	4.9	7.0
	OBS./EXP.		0.935	0.953	1.055	1.241	0.839	1.757	1.027	2.008
	RELATIVE RISK		1.000	1.019	1.128	1.328	0.898	1.880	1.099	2.148
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2121	0.1302	0.6239	0.0408	0.4323	0.0307	0.1333	0.2279	0.0559
1967-70	OBS.	736	275	195	152	41	27	25	8	13
	EXP.		295.6	203.3	139.7	41.5	29.9	12.8	5.6	7.9
	OBS./EXP.		0.931	0.959	1.088	0.988	0.903	1.957	1.430	1.655
	RELATIVE RISK		1.000	1.030	1.169	1.061	0.976	2.102	1.536	1.778
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1406	0.3714	0.4708	0.0040	0.2020	0.0481	0.1526	0.0602	0.0395
1971-74	OBS.	794	313	206	148	42	47	18	8	12
	EXP.		316.3	223.0	150.3	44.2	32.3	13.6	6.1	8.2
	OBS./EXP.		0.990	0.924	0.984	0.951	1.456	1.319	1.312	1.457
	RELATIVE RISK		1.000	0.934	0.995	0.961	1.471	1.333	1.325	1.473
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4909	0.5826	0.0550	0.2166	0.3287	0.2080	0.4945	0.0386	0.1480
1975-78	OBS.	854	320	216	142	51	44	30	14	17
	EXP.		341.5	240.1	159.6	46.9	35.7	14.7	6.8	8.6
	OBS./EXP.		0.937	0.900	1.015	1.086	1.231	2.045	2.057	1.968
	RELATIVE RISK		1.000	0.960	1.084	1.160	1.314	2.183	2.196	2.101
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3191	0.2915	0.1835	0.0030	0.0428	0.0300	0.2512	0.0112	0.0050

TABLE 7-2 ALL MALIGNANT NEOPLASMS

TABLE 7-2

MIROSKIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

		T=45 TOTAL DOSE IN RAD									
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	
			A	B	C	D	E	F	G	H	
1950-78	OBS.	78	21	18	8	2	7	12	1	9	
TOTAL	EXP.		31.0	23.5	15.8	3.7	2.0	1.0	0.4	0.6	
	OBS./EXP.		0.678	0.767	0.507	0.540	3.464	11.885	2.347	14.038	
	RELATIVE RISK		1.000	1.131	0.747	0.796	5.105	17.518	3.459	20.691	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.7123	0.6642	0.0079	0.0000	0.2782	0.0000	0.6953	0.0000	0.0000	0.0000	0.0000
1950-54	OBS.	9	2	0	0	0	3	1	0	3	
	EXP.		2.9	3.0	2.0	0.5	0.3	0.2	0.1	0.1	
	OBS./EXP.		0.698	0.000	0.000	0.000	10.353	6.162	0.000	27.593	
	RELATIVE RISK		1.000	0.000	0.000	0.000	14.823	8.823	0.000	39.506	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.9078	0.8200	0.0170	0.2594	0.7716	0.0010	0.9230	0.0221	0.0077	0.0000	0.0000
1955-58	OBS.	5	1	0	1	0	0	2	0	1	
	EXP.		1.8	1.6	1.1	0.3	0.1	0.1	0.0	0.0	
	OBS./EXP.		0.555	0.000	0.950	0.000	0.000	25.993	0.000	20.263	
	RELATIVE RISK		1.000	0.000	1.713	0.000	0.000	46.859	0.000	36.529	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.2897	0.7782	0.7703	0.0400	0.7621	0.2409	0.3038	0.1985	0.2419	0.0000	0.0000
1959-62	OBS.	12	2	0	2	1	1	3	0	3	
	EXP.		4.5	3.7	2.5	0.6	0.3	0.2	0.1	0.1	
	OBS./EXP.		0.440	0.000	0.802	1.710	3.065	17.386	0.000	27.805	
	RELATIVE RISK		1.000	0.000	1.823	3.889	6.968	39.528	0.000	63.216	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.3542	0.2734	0.2362	0.0011	0.7699	0.0008	0.4105	0.0058	0.0077	0.0000	0.0000
1963-66	OBS.	4	0	1	1	0	0	1	0	1	
	EXP.		1.3	1.3	0.9	0.2	0.1	0.1	0.0	0.0	
	OBS./EXP.		0.000	0.738	1.144	0.000	0.000	15.106	0.000	23.195	
	RELATIVE RISK		X	X	X	X	X	X	X	X	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.2398	X	X	0.2398	X	0.2398	0.2398	0.2398	0.2398	0.0000	0.0000
1967-70	OBS.	10	6	2	0	0	2	0	1	1	
	EXP.		3.9	3.0	2.1	0.5	0.3	0.1	0.1	0.1	
	OBS./EXP.		1.030	0.659	0.000	0.000	7.657	0.000	17.409	11.877	
	RELATIVE RISK		1.000	0.640	0.000	0.000	7.637	0.000	16.909	11.536	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.9193	0.8272	0.1831	0.7843	0.2453	0.2474	0.9346	0.2948	0.0263	0.0000	0.0000
1971-74	OBS.	15	6	7	2	0	1	1	0	0	
	EXP.		6.2	4.4	3.0	0.7	0.4	0.2	0.1	0.1	
	OBS./EXP.		0.841	1.594	0.677	0.000	2.729	5.817	0.000	0.000	
	RELATIVE RISK		1.000	2.487	1.057	0.000	4.260	9.078	0.000	0.000	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4494	0.8016	0.2603	0.2482	0.7646	0.7659	0.6268	0.1041	0.7701	0.2727	0.2549
1975-78	OBS.	23	8	8	2	1	0	4	0	0	
	EXP.		10.3	8.4	4.4	1.0	0.5	0.2	0.1	0.1	
	OBS./EXP.		0.778	1.252	0.458	1.004	0.000	17.856	0.000	0.000	
	RELATIVE RISK		1.000	1.608	0.589	1.290	0.000	22.946	0.000	0.000	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.7693	0.4009	0.8143	0.0001	0.7735	0.7811	0.7137	0.0370	0.7923	0.0000	0.0050

TABLE 7-3 ALL MALIGNANT NEOPLASMS

TABLE 7-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	253	74	68	41	12	20	14	12	12
TOTAL	EXP.		93.6	78.0	60.8	13.4	14.2	6.6	2.8	3.5
	OBS./EXP.		0.791	0.872	1.004	0.894	1.405	2.108	4.364	3.393
	RELATIVE RISK		1.000	1.103	1.270	1.131	1.777	2.667	5.694	4.292
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1763	0.4077	0.0362	0.0052	0.0000	0.0002	0.1825	0.0028	0.0000
1950-54	OBS.	8	1	0	0	1	0	1	0	0
	EXP.		3.2	2.4	1.3	0.6	0.4	0.2	0.1	0.1
	OBS./EXP.		0.317	0.000	0.000	2.588	0.000	5.638	24.160	27.728
	RELATIVE RISK		1.000	0.000	0.000	8.169	0.000	17.797	76.261	87.520
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.8265	0.2690	0.7753	0.2628	0.0001	0.0002	0.2968	0.2512	0.0000
1955-58	OBS.	16	3	6	5	0	1	1	0	0
	EXP.		5.3	5.1	2.6	1.0	1.1	0.5	0.2	0.2
	OBS./EXP.		0.561	1.183	1.912	0.000	0.933	1.972	0.000	0.000
	RELATIVE RISK		1.000	2.107	3.406	0.000	1.662	3.514	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1889	0.8287	0.2912	0.2835	0.7771	0.7770	0.2931	0.3898	0.7919
1959-62	OBS.	13	3	5	2	0	2	0	1	0
	EXP.		5.0	3.8	2.2	0.7	0.7	0.3	0.1	0.2
	OBS./EXP.		0.603	1.313	0.915	0.000	2.861	0.000	6.826	0.000
	RELATIVE RISK		1.000	2.176	1.517	0.000	6.741	0.000	11.313	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.3652	0.7979	0.0883	0.7719	0.2502	0.7694	0.3723	0.1518	0.2635
1963-66	OBS.	19	6	5	4	1	2	1	0	0
	EXP.		7.0	5.9	3.1	1.0	1.1	0.5	0.2	0.3
	OBS./EXP.		0.862	0.854	1.306	0.976	1.814	1.911	0.000	0.000
	RELATIVE RISK		1.000	0.991	1.515	1.132	2.104	2.217	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4437	0.6138	0.4404	0.3011	0.7811	0.7846	0.4761	0.3781	0.8020
1967-70	OBS.	41	9	13	8	3	1	4	1	2
	EXP.		14.9	12.4	6.8	2.3	2.4	1.1	0.5	0.6
	OBS./EXP.		0.605	1.047	1.181	1.303	0.408	3.493	2.098	3.525
	RELATIVE RISK		1.000	1.730	1.952	2.152	0.675	5.771	3.466	5.825
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2035	0.3198	0.7055	0.0309	0.2735	0.1103	0.1532	0.2202	0.0651
1971-74	OBS.	60	21	18	7	2	6	3	3	0
	EXP.		22.5	18.5	9.6	3.1	3.3	1.5	0.6	0.8
	OBS./EXP.		0.935	0.974	0.727	0.639	1.824	1.960	4.622	0.000
	RELATIVE RISK		1.000	1.043	0.777	0.683	1.951	2.097	4.945	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.6390	0.7075	0.1701	0.2808	0.0541	0.8246	0.4798	0.1198	0.2602
1975-78	OBS.	96	31	21	15	5	8	2	5	7
	EXP.		35.9	29.9	15.3	5.0	5.2	2.4	1.0	1.3
	OBS./EXP.		0.863	0.703	0.979	1.010	1.533	1.656	5.028	5.343
	RELATIVE RISK		1.000	0.814	1.134	1.169	1.776	1.918	5.823	6.189
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4435	0.4329	0.1971	0.2109	0.0053	0.0005	0.4228	0.1021	0.0000

TABLE 7-4 ALL MALIGNANT NEOPLASMS

TABLE 7-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	670	237	164	130	38	40	33	11	17
TOTAL	EXP.		263.6	190.3	120.2	38.2	28.4	13.7	6.9	8.6
	OBS./EXP.		0.899	0.862	1.082	0.996	1.406	2.405	1.603	1.967
	RELATIVE RISK		1.000	0.959	1.203	1.107	1.564	2.676	1.783	2.188
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1167	0.4234	0.0653	0.0002	0.1408	0.0217	0.1359	0.0008	0.0103
									HOMO.	TREND.
									0.0000	0.0000
1950-54	OBS.	38	12	11	7	0	3	2	1	2
	EXP.		15.3	10.7	6.8	2.1	1.5	0.7	0.4	0.5
	OBS./EXP.		0.783	1.030	1.029	0.000	1.972	2.752	2.764	4.164
	RELATIVE RISK		1.000	1.316	1.314	0.000	2.519	3.515	3.529	5.318
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4120	0.8649	0.1954	0.1968	0.2626	0.1204	0.4396	0.0973	0.0626
									HOMO.	TREND.
									0.0804	0.0016
1955-58	OBS.	37	12	12	6	2	0	2	0	3
	EXP.		14.2	10.7	7.0	2.1	1.5	0.6	0.3	0.5
	OBS./EXP.		0.843	1.119	0.861	0.938	0.000	3.096	0.000	6.157
	RELATIVE RISK		1.000	1.328	1.022	1.114	0.000	3.675	0.000	7.308
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4330	0.4173	0.8701	0.2420	0.7968	0.0355	0.4353	0.3907	0.1248
									HOMO.	TREND.
									0.0106	0.0036
1959-62	OBS.	50	19	12	8	1	4	0	2	4
	EXP.		20.2	14.1	9.1	2.8	1.9	0.9	0.5	0.6
	OBS./EXP.		0.943	0.850	0.880	0.363	2.081	0.000	4.352	6.464
	RELATIVE RISK		1.000	0.901	0.934	0.385	2.207	0.000	4.615	8.855
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6172	0.8315	0.2807	0.8473	0.2012	0.0115	0.7040	0.4574	0.0039
									HOMO.	TREND.
									0.0002	0.0000
1963-66	OBS.	96	32	30	18	6	2	4	1	3
	EXP.		38.8	27.1	17.4	5.2	3.7	1.7	0.9	1.2
	OBS./EXP.		0.824	1.108	1.036	1.145	0.543	2.332	1.127	2.526
	RELATIVE RISK		1.000	1.344	1.258	1.389	0.659	2.830	1.367	3.066
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3260	0.4360	0.7799	0.1989	0.4311	0.2062	0.3183	0.4879	0.2479
									HOMO.	TREND.
									0.3008	0.0312
1967-70	OBS.	109	36	23	28	8	7	4	2	1
	EXP.		42.2	31.1	19.4	6.3	4.9	2.4	1.2	1.5
	OBS./EXP.		0.854	0.740	1.442	1.267	1.425	1.644	1.683	0.589
	RELATIVE RISK		1.000	0.866	1.689	1.484	1.670	1.926	1.972	0.808
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0857	0.2794	0.2635	0.3572	0.4154	0.6528	0.0809	0.2022	0.4064
									HOMO.	TREND.
									0.1859	0.1118
1971-74	OBS.	148	50	37	29	7	13	8	2	2
	EXP.		58.2	42.1	26.5	8.5	6.3	3.0	1.5	1.9
	OBS./EXP.		0.860	0.879	1.093	0.827	2.056	2.660	1.306	1.056
	RELATIVE RISK		1.000	1.023	1.272	0.962	2.391	3.095	1.519	1.228
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2467	0.6053	0.0523	0.0441	0.3818	0.4088	0.3028	0.0132	0.4526
									HOMO.	TREND.
									0.0104	0.0070
1975-78	OBS.	192	76	39	34	14	11	13	3	2
	EXP.		74.8	54.8	34.0	11.2	8.5	4.1	2.1	2.5
	OBS./EXP.		1.016	0.712	1.000	1.253	1.289	3.144	1.414	0.801
	RELATIVE RISK		1.000	0.701	0.985	1.234	1.268	3.095	1.391	0.788
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5444	0.3539	0.3917	0.0038	0.4200	0.6492	0.4806	0.0416	0.4394
									HOMO.	TREND.
									0.0005	0.0088

TABLE 7-5 ALL MALIGNANT NEOPLASMS

TABLE 7-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2123	800	569	434	128	87	40	23	42
TOTAL	EXP.	851.6	580.0	410.5	118.0	88.9	34.1	16.0	23.9	
	OBS./EXP.	0.939	0.981	1.057	1.084	0.979	1.172	1.437	1.761	
	RELATIVE RISK	1.000	1.044	1.125	1.154	1.042	1.248	1.529	1.874	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0760	0.1261	0.3828	0.1467	0.0846	0.0027	0.0445	0.1875	0.0011
1950-54	OBS.	157	53	42	33	13	5	5	2	4
	EXP.	62.8	42.9	31.0	8.6	6.2	2.5	1.2	1.7	
	OBS./EXP.	0.844	0.979	1.065	1.505	0.803	2.026	1.632	2.291	
	RELATIVE RISK	1.000	1.160	1.261	1.783	0.952	2.401	1.933	2.715	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2564	0.1060	0.3712	0.1736	0.4192	0.1816	0.1327	0.3303	0.1693
1955-58	OBS.	202	86	51	41	5	7	5	4	3
	EXP.	83.2	54.4	39.4	10.8	7.7	2.9	1.4	2.1	
	OBS./EXP.	1.033	0.937	1.042	0.465	0.906	1.713	2.803	1.414	
	RELATIVE RISK	1.000	0.907	1.008	0.450	0.877	1.658	2.713	1.368	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4733	0.8999	0.5967	0.2214	0.1174	0.4737	0.6733	0.4039	0.1258
1959-62	OBS.	258	84	73	60	16	14	2	6	5
	EXP.	103.4	70.4	49.6	14.6	10.9	4.2	2.0	3.0	
	OBS./EXP.	0.812	1.038	1.211	1.095	1.281	0.478	2.011	1.682	
	RELATIVE RISK	1.000	1.277	1.490	1.348	1.577	0.589	2.475	2.070	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0359	0.1760	0.1204	0.6837	0.1265	0.1530	0.0318	0.1985	0.0601
1963-66	OBS.	289	107	78	55	27	9	7	2	4
	EXP.	116.5	78.6	55.3	16.1	12.3	4.7	2.1	3.3	
	OBS./EXP.	0.919	0.993	0.994	1.675	0.729	1.489	0.944	1.195	
	RELATIVE RISK	1.000	1.081	1.082	1.823	0.794	1.621	1.028	1.300	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3871	0.0235	0.6484	0.2014	0.3991	0.4552	0.1549	0.4410	0.4075
1967-70	OBS.	376	145	103	75	19	13	10	3	8
	EXP.	148.9	102.8	72.7	21.3	16.5	6.5	2.9	4.4	
	OBS./EXP.	0.974	1.001	1.032	0.891	0.789	1.548	1.044	1.806	
	RELATIVE RISK	1.000	1.029	1.060	0.915	0.811	1.590	1.072	1.855	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4271	0.6083	0.7000	0.1539	0.4128	0.1205	0.4859	0.4559	0.1546
1971-74	OBS.	398	162	100	83	22	16	2	3	10
	EXP.	158.9	109.4	77.0	21.9	17.1	6.6	2.9	4.3	
	OBS./EXP.	1.020	0.914	1.078	1.004	0.937	0.304	1.048	2.341	
	RELATIVE RISK	1.000	0.896	1.057	0.984	0.919	0.298	1.028	2.296	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3882	0.5236	0.6028	0.9184	0.4384	0.0497	0.4105	0.7885	0.0899
1975-78	OBS.	443	163	122	87	26	23	9	5	8
	EXP.	179.2	121.5	85.6	24.2	18.6	6.7	3.0	4.2	
	OBS./EXP.	0.909	1.004	1.017	1.078	1.234	1.339	1.689	1.983	
	RELATIVE RISK	1.000	1.104	1.118	1.183	1.356	1.472	1.857	2.093	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3141	0.3624	0.2669	0.3278	0.3251	0.1463	0.2526	0.1768	0.1069

TABLE 7-6 ALL MALIGNANT NEOPLASMS

TABLE 7-6

HIROSHIMA + NAGASAKI, MALE - FEMALE, AGE ATB 50+

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	1632	684	429	311	90	68	25	8	17
TOTAL	EXP.		680.2	432.5	317.8	90.2	50.6	20.0	8.8	11.9
	OBS./EXP.		1.006	0.948	0.979	0.997	1.343	1.249	0.911	1.424
	RELATIVE RISK		1.000	0.943	0.973	0.992	1.335	1.242	0.906	1.416
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4385	0.4868	0.0556	0.2187	0.5937	0.1900	0.6129	0.0385	0.2878
									HOMO.	TREND.
									0.1408	0.0101
1950-54	OBS.	265	120	58	49	14	13	3	2	6
	EXP.		108.5	75.4	51.2	14.2	8.8	3.2	1.4	2.3
	OBS./EXP.		1.106	0.769	0.956	0.986	1.478	0.941	1.387	2.657
	RELATIVE RISK		1.000	0.695	0.864	0.891	1.336	0.851	1.253	2.401
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7671	0.6132	0.2950	0.6248	0.3880	0.1018	0.7632	0.3761	0.1347
									HOMO.	TREND.
									0.0522	0.0091
1955-58	OBS.	291	121	87	48	18	10	4	0	3
	EXP.		117.4	83.1	57.2	16.2	9.5	3.7	1.6	2.3
	OBS./EXP.		1.031	1.047	0.839	1.112	1.049	1.071	0.000	1.324
	RELATIVE RISK		1.000	1.015	0.814	1.078	1.017	1.039	0.000	1.285
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8235	0.4830	0.4591	0.4396	0.2771	0.4093	0.7576	0.4624	0.7089
									HOMO.	TREND.
									0.7932	0.5464
1959-62	OBS.	311	120	92	59	17	19	1	2	1
	EXP.		133.1	84.0	59.7	17.6	9.3	3.5	1.4	2.1
	OBS./EXP.		0.902	1.095	0.988	0.965	2.043	0.283	1.228	0.478
	RELATIVE RISK		1.000	1.214	1.095	1.071	2.265	0.314	1.361	0.530
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3981	0.4246	0.0097	0.8372	0.3640	0.7276	0.3789	0.0547	0.5393
									HOMO.	TREND.
									0.0373	0.4020
1963-66	OBS.	292	124	68	63	14	9	6	2	6
	EXP.		124.1	78.2	57.0	16.1	9.0	3.8	1.6	2.1
	OBS./EXP.		0.999	0.869	1.105	0.871	1.005	1.574	1.233	2.817
	RELATIVE RISK		1.000	0.870	1.106	0.872	1.006	1.578	1.234	2.820
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3623	0.6821	0.4789	0.3145	0.3954	0.0820	0.4424	0.3956	0.1159
									HOMO.	TREND.
									0.1477	0.0074
1967-70	OBS.	200	81	54	41	11	4	7	1	1
	EXP.		85.5	53.9	38.8	11.1	5.8	2.6	1.0	1.3
	OBS./EXP.		0.947	1.002	1.058	0.993	0.688	2.688	1.002	0.757
	RELATIVE RISK		1.000	1.058	1.117	1.049	0.726	2.838	1.058	0.800
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3313	0.4742	0.6444	0.0220	0.3789	0.5844	0.3364	0.1855	0.4503
									HOMO.	TREND.
									0.2854	0.1901
1971-74	OBS.	173	76	44	27	11	11	4	0	0
	EXP.		70.5	48.6	34.2	9.9	9.2	2.4	1.0	1.1
	OBS./EXP.		1.077	0.905	0.789	1.106	2.106	1.701	0.000	0.000
	RELATIVE RISK		1.000	0.840	0.733	1.026	1.954	1.579	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8482	0.4530	0.1426	0.3297	0.8475	0.8562	0.7893	0.1062	0.9020
									HOMO.	TREND.
									0.0885	0.3784
1975-78	OBS.	100	42	26	24	5	2	0	1	0
	EXP.		41.3	27.6	20.3	5.7	2.8	1.2	0.6	0.5
	OBS./EXP.		1.016	0.944	1.181	0.883	0.705	0.000	1.587	0.000
	RELATIVE RISK		1.000	0.929	1.163	0.869	0.694	0.000	1.562	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4029	0.6091	0.6877	0.8675	0.3244	0.8085	0.4475	0.8007	0.5683
									HOMO.	TREND.
									0.8796	0.8240

TABLE 7-7 ALL MALIGNANT NEOPLASMS

TABLE 7-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2408	949	631	427	133	119	66	25	58
TOTAL	EXP.	965.1	674.7	434.9	135.3	107.5	62.0	19.1	29.3	
	OBS./EXP.	0.983	0.935	0.982	0.982	1.107	1.572	1.309	1.980	
	RELATIVE RISK	1.000	0.951	0.998	0.998	1.126	1.599	1.331	2.014	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.4842	0.4867	0.1844	0.0045	0.1729	0.0001	0.4631	0.0204	0.0003	0.0000
TREND.										0.0000
1950-54	OBS.	261	115	60	40	13	14	6	3	10
EXP.		105.6	73.8	48.4	14.0	10.5	3.9	1.8	3.0	
	OBS./EXP.	1.089	0.813	0.827	0.932	1.329	1.549	1.646	3.329	
	RELATIVE RISK	1.000	0.747	0.760	0.856	1.220	1.623	1.512	3.058	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.8487	0.6337	0.3138	0.3198	0.4017	0.0106	0.8411	0.2568	0.0183	0.0009
TREND.										0.0000
1955-58	OBS.	278	110	79	52	12	9	7	3	6
EXP.		113.7	77.6	51.4	15.1	11.2	4.1	1.8	3.1	
	OBS./EXP.	0.968	1.018	1.011	0.795	0.804	1.704	1.643	1.943	
	RELATIVE RISK	1.000	1.032	1.045	0.821	0.831	1.761	1.698	2.008	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.4763	0.7288	0.6986	0.2214	0.4536	0.1248	0.5600	0.4879	0.1496	0.4471
TREND.										0.0299
1959-62	OBS.	327	113	95	65	10	24	5	6	9
EXP.		132.6	90.8	59.3	19.0	14.0	5.1	2.4	3.8	
	OBS./EXP.	0.852	1.047	1.096	0.526	1.712	0.973	2.506	2.399	
	RELATIVE RISK	1.000	1.228	1.286	0.617	2.010	1.142	2.941	2.815	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.1028	0.5439	0.0098	0.3793	0.0283	0.0136	0.2598	0.0139	0.0024	0.0002
TREND.										0.0001
1963-66	OBS.	363	146	93	66	29	9	12	0	8
EXP.		145.4	100.9	66.5	20.9	16.0	6.2	2.7	4.4	
	OBS./EXP.	1.004	0.922	0.993	1.389	0.564	1.924	0.000	1.828	
	RELATIVE RISK	1.000	0.918	0.989	1.383	0.562	1.917	0.000	1.821	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.5199	0.1685	0.8922	0.0851	0.9175	0.1655	0.3581	0.5679	0.4314	0.0117
TREND.										0.0842
1967-70	OBS.	371	147	104	60	20	16	15	4	5
EXP.		146.4	102.9	67.1	21.8	17.7	7.3	3.1	4.8	
	OBS./EXP.	1.004	1.011	0.895	0.916	0.903	2.056	1.303	1.049	
	RELATIVE RISK	1.000	1.006	0.891	0.912	0.899	2.047	1.298	1.045	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.7020	0.6241	0.6044	0.0332	0.4642	0.4321	0.7202	0.2233	0.4080	0.2078
TREND.										0.1063
1971-74	OBS.	388	158	92	71	26	23	9	1	8
EXP.		154.9	107.8	69.9	21.9	18.2	7.3	3.3	4.7	
	OBS./EXP.	1.020	0.854	1.016	1.188	1.244	1.224	0.307	1.686	
	RELATIVE RISK	1.000	0.837	0.997	1.165	1.240	1.201	0.301	1.654	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.4797	0.2905	0.2890	0.3995	0.3483	0.1891	0.3970	0.2806	0.4411	0.2732
TREND.										0.0652
1975-78	OBS.	420	160	108	73	23	24	12	8	12
EXP.		166.5	119.5	73.6	23.5	20.4	8.1	3.7	4.8	
	OBS./EXP.	0.961	0.904	0.992	0.980	1.179	1.484	2.154	2.518	
	RELATIVE RISK	1.000	0.941	1.032	1.020	1.227	1.545	2.242	2.621	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.4886	0.5080	0.3399	0.2445	0.1240	0.0233	0.4745	0.2067	0.0110	0.0047
TREND.										0.0000

TABLE 7-8 ALL MALIGNANT NEOPLASMS

TABLE 7-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								TEND.
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	
		A	B	C	D	E	F	G	H	
1950-78	OBS. TOTAL	2348	867	617	497	137	103	58	30	39
	EXP.	954.9	649.5	470.2	128.1	76.7	33.5	15.7	19.3	
	OBS./EXP.	0.908	0.950	1.057	1.070	1.342	1.730	1.907	2.018	
	RELATIVE RISK	1.000	1.046	1.164	1.178	1.478	1.906	2.100	2.223	
	TEST PROB.	A=C? 0.0303	A=D? 0.0871	A=E? 0.0027	A=F? 0.0002	A=G? 0.0018	A=H? 0.0002	A=CD? 0.0167	A=EF? 0.0000	A=GH? 0.0000
1950-54	OBS. TOTAL	216	73	51	49	15	10	6	4	8
	EXP.	87.0	60.6	44.0	11.9	6.7	2.8	1.4	1.7	
	OBS./EXP.	0.840	0.841	1.115	1.264	1.496	2.107	2.954	4.714	
	RELATIVE RISK	1.000	1.002	1.328	1.506	1.782	2.510	3.519	5.615	
	TEST PROB.	A=C? 0.1913	A=D? 0.1638	A=E? 0.1304	A=F? 0.1004	A=G? 0.0634	A=H? 0.0007	A=CD? 0.1182	A=EF? 0.0436	A=GH? 0.0002
1955-58	OBS. TOTAL	273	113	77	49	13	9	7	1	4
	EXP.	108.3	77.4	55.8	15.2	8.7	3.8	1.7	2.1	
	OBS./EXP.	1.043	0.995	0.878	0.856	1.030	1.854	0.571	1.921	
	RELATIVE RISK	1.000	0.954	0.842	0.820	0.988	1.777	0.548	1.841	
	TEST PROB.	A=C? 0.7202	A=D? 0.6572	A=E? 0.4597	A=F? 0.1263	A=G? 0.7006	A=H? 0.2253	A=CD? 0.7454	A=EF? 0.2249	A=GH? 0.3804
1959-62	OBS. TOTAL	317	115	87	64	25	16	1	3	4
	EXP.	133.5	85.2	63.8	17.2	9.2	3.9	1.9	2.2	
	OBS./EXP.	0.861	1.021	1.035	1.449	1.746	0.253	1.577	1.808	
	RELATIVE RISK	1.000	1.185	1.202	1.683	2.027	0.294	1.831	2.100	
	TEST PROB.	A=C? 0.2443	A=D? 0.0398	A=E? 0.0285	A=F? 0.0621	A=G? 0.3679	A=H? 0.2297	A=CD? 0.0919	A=EF? 0.1174	A=GH? 0.1524
1963-66	OBS. TOTAL	337	123	89	75	19	13	7	5	6
	EXP.	142.3	90.2	67.2	17.8	10.2	4.6	2.1	2.6	
	OBS./EXP.	0.864	0.987	1.116	1.068	1.269	1.530	2.348	2.313	
	RELATIVE RISK	1.000	1.142	1.291	1.236	1.468	1.770	2.717	2.678	
	TEST PROB.	A=C? 0.1217	A=D? 0.3076	A=E? 0.1768	A=F? 0.1926	A=G? 0.0755	A=H? 0.0544	A=CD? 0.1197	A=EF? 0.0909	A=GH? 0.0087
1967-70	OBS. TOTAL	365	128	91	92	21	11	10	4	8
	EXP.	149.0	100.4	72.6	19.7	12.2	5.5	2.5	3.1	
	OBS./EXP.	0.859	0.906	1.267	1.068	0.903	1.824	1.584	2.592	
	RELATIVE RISK	1.000	1.055	1.475	1.243	1.051	2.124	1.844	3.017	
	TEST PROB.	A=C? 0.0251	A=D? 0.2211	A=E? 0.4230	A=F? 0.0379	A=G? 0.2230	A=H? 0.0120	A=CD? 0.0235	A=EF? 0.1152	A=GH? 0.0104
1971-74	OBS. TOTAL	406	155	114	77	16	24	9	7	4
	EXP.	161.4	115.2	80.5	22.3	14.1	6.3	2.8	3.5	
	OBS./EXP.	0.961	0.990	0.957	0.719	1.703	1.430	2.460	1.146	
	RELATIVE RISK	1.000	1.030	0.998	0.748	1.773	1.488	2.561	1.193	
	TEST PROB.	A=C? 0.4811	A=D? 0.8311	A=E? 0.0473	A=F? 0.2652	A=G? 0.0661	A=H? 0.4229	A=CD? 0.6384	A=EF? 0.0281	A=GH? 0.1176
1975-78	OBS. TOTAL	434	160	108	89	28	20	18	8	5
	EXP.	175.0	120.6	86.0	23.5	15.4	8.6	3.1	3.9	
	OBS./EXP.	0.914	0.895	1.035	1.193	1.300	2.733	1.941	1.291	
	RELATIVE RISK	1.000	0.980	1.132	1.305	1.422	2.990	2.123	1.613	
	TEST PROB.	A=C? 0.2874	A=D? 0.2191	A=E? 0.2144	A=F? 0.0004	A=G? 0.1454	A=H? 0.3827	A=CD? 0.2100	A=EF? 0.0077	A=GH? 0.1317

TABLE 7-9 ALL MALIGNANT NEOPLASMS

TABLE 7-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-73	OBS.	3800	1631	910	726	200	150	83	37	63
TOTAL	EXP.		1717.2	980.9	705.3	187.4	117.4	41.5	20.1	30.1
	OBS./EXP.		0.950	0.928	1.029	1.067	1.277	2.001	1.837	2.090
	RELATIVE RISK		1.000	0.977	1.084	1.123	1.345	2.107	1.934	2.201
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1026	0.1434	0.0076	0.0000	0.0026	0.0000	0.0669	0.0000	0.0000
1950-54	OBS.	385	172	84	68	24	17	6	6	8
	EXP.		174.0	99.9	71.1	19.1	11.8	4.0	2.0	3.0
	OBS./EXP.		0.988	0.841	0.956	1.258	1.440	1.488	2.985	2.629
	RELATIVE RISK		1.000	0.850	0.968	1.273	1.457	1.506	3.020	2.660
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5828	0.2428	0.1789	0.3102	0.0426	0.0391	0.4555	0.1306	0.0015
1955-58	OBS.	446	204	109	77	21	14	11	3	7
	EXP.		201.7	114.7	83.0	22.5	13.6	4.8	2.3	3.4
	OBS./EXP.		1.012	0.950	0.927	0.933	1.029	2.315	1.302	2.059
	RELATIVE RISK		1.000	0.939	0.916	0.922	1.017	2.288	1.287	2.036
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6995	0.6322	0.4624	0.0361	0.4139	0.1211	0.7086	0.1740	0.0677
1959-62	OBS.	541	216	140	107	30	30	5	5	8
	EXP.		244.8	138.5	100.9	27.9	16.4	5.7	2.8	3.9
	OBS./EXP.		0.882	1.011	1.060	1.075	1.829	0.871	1.791	2.030
	RELATIVE RISK		1.000	1.146	1.201	1.219	2.073	0.987	2.029	2.301
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1442	0.2631	0.0045	0.5339	0.1908	0.0715	0.1213	0.0131	0.0032
1963-66	OBS.	574	244	139	115	32	19	12	5	10
	EXP.		261.0	147.2	107.6	28.7	17.7	6.5	2.9	4.5
	OBS./EXP.		0.935	0.944	1.069	1.117	1.076	1.853	1.711	2.244
	RELATIVE RISK		1.000	1.010	1.144	1.193	1.151	1.982	1.830	2.401
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2081	0.2737	0.3782	0.0644	0.2297	0.0346	0.1719	0.1364	0.0218
1967-70	OBS.	569	247	136	113	27	17	15	4	10
	EXP.		258.2	145.2	108.3	27.8	17.7	6.4	2.9	4.5
	OBS./EXP.		0.956	0.937	1.063	0.971	0.962	2.345	1.387	2.201
	RELATIVE RISK		1.000	0.979	1.112	1.015	1.006	2.451	1.451	2.301
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2675	0.4714	0.5239	0.0099	0.3933	0.0423	0.2907	0.1265	0.0461
1971-74	OBS.	613	274	137	120	28	27	12	7	8
	EXP.		276.8	158.7	114.2	29.5	18.9	6.8	3.2	4.9
	OBS./EXP.		0.990	0.863	1.051	0.949	1.426	1.770	2.197	1.622
	RELATIVE RISK		1.000	0.872	1.062	0.958	1.441	1.788	2.220	1.638
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3615	0.5786	0.1130	0.1027	0.0935	0.2028	0.4059	0.0420	0.0552
1975-78	OBS.	670	274	165	126	38	26	22	7	12
	EXP.		300.6	176.7	124.1	31.7	21.1	7.1	3.6	5.1
	OBS./EXP.		0.912	0.934	1.015	1.199	1.231	3.089	1.950	2.346
	RELATIVE RISK		1.000	1.025	1.114	1.315	1.350	3.388	2.139	2.574
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2503	0.1441	0.1743	0.0000	0.1112	0.0158	0.1521	0.0026	0.0058

TABLE 7-10 ALL MALIGNANT NEOPLASMS

TABLE 7-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	7-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	956	185	338	198	70	72	41	18	34
TOTAL	EXP.		202.7	343.3	199.9	76.1	68.8	34.0	14.7	18.5
	OBS./EXP.		0.913	0.984	0.991	0.920	1.078	1.205	1.225	1.841
	RELATIVE RISK		1.000	1.079	1.085	1.008	1.181	1.320	1.342	2.017
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3074	0.4802	0.2104	0.1639	0.2333	0.0045	0.3413	0.1233	0.0084
1950-54	OBS.	92	16	27	21	4	7	6	1	10
	EXP.		18.6	34.5	21.2	6.7	5.4	2.7	1.2	1.7
	OBS./EXP.		0.861	0.782	0.990	0.593	1.292	2.232	0.857	6.029
	RELATIVE RISK		1.000	0.908	1.150	0.689	1.501	2.592	0.995	7.004
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4561	0.7267	0.3081	0.1037	0.4405	0.0001	0.5368	0.1329	0.0023
1955-58	OBS.	105	19	47	24	4	4	3	1	3
	EXP.		20.3	40.2	24.2	7.8	6.3	3.1	1.3	1.8
	OBS./EXP.		0.934	1.169	0.993	0.514	0.633	0.958	0.787	1.694
	RELATIVE RISK		1.000	1.251	1.003	0.550	0.678	1.026	0.842	1.813
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4361	0.8312	0.7336	0.4431	0.6205	0.3760	0.5642	0.8731	0.4821
1959-62	OBS.	103	12	42	24	5	10	1	4	5
	EXP.		21.3	37.5	22.1	8.4	8.8	3.3	1.5	2.0
	OBS./EXP.		0.562	1.119	1.085	0.598	1.476	0.299	2.660	2.471
	RELATIVE RISK		1.000	1.991	1.930	1.064	2.625	0.532	4.732	4.396
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1312	0.4337	0.0670	0.7412	0.0453	0.0354	0.1797	0.1512	0.0082
1963-66	OBS.	124	25	43	26	16	3	7	0	4
	EXP.		26.7	43.8	26.1	10.0	8.6	4.3	1.9	2.5
	OBS./EXP.		0.936	0.981	0.996	1.596	0.351	1.614	0.000	1.590
	RELATIVE RISK		1.000	1.049	1.064	1.705	0.375	1.725	0.000	1.699
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4611	0.1347	0.9129	0.2473	0.8883	0.3485	0.3031	0.6878	0.5736
1967-70	OBS.	167	28	59	39	14	10	10	4	3
	EXP.		37.1	58.1	33.4	13.7	12.2	8.4	2.7	3.3
	OBS./EXP.		0.754	1.015	1.167	1.022	0.817	1.568	1.475	0.907
	RELATIVE RISK		1.000	1.346	1.548	1.356	1.084	2.079	1.957	1.202
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1311	0.2943	0.4471	0.1158	0.2751	0.4117	0.1267	0.2432	0.3104
1971-74	OBS.	181	39	69	28	14	20	6	1	4
	EXP.		39.5	64.3	36.2	14.6	13.4	6.9	2.9	3.3
	OBS./EXP.		0.937	1.074	0.774	0.957	1.498	0.874	0.343	1.211
	RELATIVE RISK		1.000	1.088	0.784	0.969	1.517	0.885	0.348	1.227
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7908	0.5580	0.1756	0.6101	0.8354	0.4231	0.7505	0.2901	0.6704
1975-78	OBS.	184	46	51	36	13	18	8	7	5
	EXP.		40.9	63.4	35.5	15.2	16.6	7.5	3.2	3.5
	OBS./EXP.		1.124	0.804	1.014	0.853	1.232	1.060	2.177	1.420
	RELATIVE RISK		1.000	0.716	0.903	0.759	1.096	0.943	1.937	1.264
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8463	0.7612	0.4433	0.5623	0.1595	0.4626	0.7213	0.4793	0.1795

TABLE 8-1 LEUKEMIA

TABLE 8-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69
		A	B	C	D	E	F	G	H	
1950-78	OBS.	180	46	24	33	11	17	16	12	21
TOTAL	EXP.		72.1	51.5	33.5	9.5	6.9	3.0	1.4	2.0
	OBS./EXP.		0.638	0.466	0.984	1.161	2.454	5.290	8.558	10.513
	RELATIVE RISK		1.000		1.738	2.051	4.335	9.344	15.117	18.748
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.0362	0.0695	0.0000	0.0000	0.0000	0.0133	0.0000	0.0000	0.0000
1950-54	OBS.	37	7	2	2	3	5	4	3	11
	EXP.		14.0	10.9	6.9	2.1	1.6	0.8	0.3	0.5
	OBS./EXP.		0.502	0.183	0.291	1.444	3.161	5.299	8.788	23.344
	RELATIVE RISK		1.000		0.805	3.995	8.764	14.660	24.315	64.585
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6537	0.1065	0.0011	0.0001	0.0000	0.3710	0.0000	0.0000	0.0000
1955-58	OBS.	32	5	5	8	1	2	6	1	4
	EXP.		13.2	8.9	5.8	1.7	1.3	0.5	0.2	0.3
	OBS./EXP.		0.378	0.559	1.378	0.603	1.557	11.299	4.547	12.245
	RELATIVE RISK		1.000		3.056	1.336	3.453	25.055	10.082	27.151
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.0571	0.3809	0.3107	0.0000	0.2515	0.3000	0.0796	0.0000	0.0000
1959-62	OBS.	24	5	1	7	1	4	1	1	4
	EXP.		9.5	7.0	4.7	1.2	0.8	0.4	0.2	0.3
	OBS./EXP.		0.529	0.143	1.497	0.803	4.843	2.722	5.623	15.115
	RELATIVE RISK		1.000		4.101	2.201	13.271	7.450	15.409	41.420
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.0372	0.2973	0.0009	0.2551	0.2462	0.0000	0.0422	0.0000	0.0000
1963-66	OBS.	19	3	3	5	2	2	1	3	0
	EXP.		8.0	5.2	3.6	1.0	0.7	0.3	0.1	0.2
	OBS./EXP.		0.377	0.578	1.408	1.977	2.927	3.398	23.004	0.000
	RELATIVE RISK		1.000		3.085	4.331	6.412	7.443	50.391	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.1347	0.2116	0.1070	0.2595	0.0000	0.7724	0.0794	0.0008	0.0000
1967-70	OBS.	18	5	4	2	0	1	2	3	1
	EXP.		6.6	5.3	3.5	1.1	0.8	0.4	0.2	0.2
	OBS./EXP.		0.762	0.751	0.577	0.000	1.283	5.324	16.393	4.400
	RELATIVE RISK		1.000		0.762	0.000	1.693	7.029	21.641	5.803
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6724	0.8472	0.3403	0.1525	0.0002	0.2619	0.7638	0.0065	0.0006
1971-74	OBS.	20	7	7	1	1	2	1	1	0
	EXP.		8.5	5.7	3.5	0.9	0.7	0.3	0.1	0.2
	OBS./EXP.		0.826	1.219	0.282	1.105	2.916	3.577	6.851	0.000
	RELATIVE RISK		1.000		0.286	1.122	2.962	3.633	6.959	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8704	0.4215	0.3290	0.2757	0.2566	0.7845	0.8283	0.1328	0.2989
1975-78	OBS.	30	14	2	8	3	1	1	0	1
	EXP.		12.5	8.4	5.4	1.5	1.1	0.5	0.2	0.3
	OBS./EXP.		1.117	0.238	1.441	2.037	0.890	2.208	0.000	3.578
	RELATIVE RISK		1.000		1.884	2.664	1.164	2.887	0.000	4.678
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2039	0.2633	0.3648	0.2726	0.7757	0.2644	0.1285	0.2936	0.2698

TABLE 8-2 LEUKEMIA

TABLE 8-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	30	6	3	4	1	4	4	1	7
	EXP.		10.8	9.5	6.4	1.5	0.9	0.5	0.2	0.3
	OBS./EXP.		0.554	0.316	0.628	0.660	4.665	8.848	5.311	23.924
	RELATIVE RISK		1.000		1.420	1.491	10.539	19.987	11.997	54.041
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4901	0.3472	0.0019	0.0001	0.2491	0.0000	0.4022	0.0000	0.0000
										TREND, 0.0000
1950-54	OBS. TOTAL	9	2	0	0	0	3	1	0	3
	EXP.		2.9	3.0	2.0	0.5	0.3	0.2	0.1	0.1
	OBS./EXP.		0.698	0.000	0.000	0.000	10.353	6.182	0.000	27.593
	RELATIVE RISK		1.000		0.000	0.000	30.481	18.143	0.000	81.240
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8440	0.7859	0.0003	0.2468	0.7643	0.0000	0.8577	0.0000	0.0001
										TREND, 0.0000
1955-58	OBS. TOTAL	4	1	0	1	0	0	1	0	1
	EXP.		1.6	1.2	0.8	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.625	0.000	1.246	0.000	0.000	15.140	0.000	30.719
	RELATIVE RISK		1.000		3.486	0.000	0.000	51.579	0.000	85.926
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2694	0.7719	0.7667	0.2419	0.7614	0.2405	0.2769	0.0394	0.0054
										TREND, 0.0000
1959-62	OBS. TOTAL	9	1	0	2	1	1	1	0	3
	EXP.		3.1	2.9	1.9	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		0.319	0.000	1.031	2.168	3.738	4.847	0.000	32.290
	RELATIVE RISK		1.000		6.222	13.080	22.549	41.310	0.000	196.813
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2695	0.2492	0.2439	0.2443	0.7635	0.0000	0.1339	0.0002	0.0001
										TREND, 0.0000
1963-66	OBS. TOTAL	2	0	1	1	0	0	0	0	0
	EXP.		0.7	0.7	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	1.524	2.287	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		3.045	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2805	0.7827	0.7745	0.7682	0.7636	0.7663	0.2925	0.7897	0.7770
										TREND, 0.9665
1967-70	OBS. TOTAL	2	1	0	0	0	0	0	1	0
	EXP.		0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		1.058	0.000	0.000	0.000	0.000	0.000	129.127	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	190.072	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8075	0.7721	0.7656	0.7627	0.2403	0.7617	0.8160	0.2451	0.2423
										TREND, 0.0000
1971-74	OBS. TOTAL	2	1	1	0	0	0	0	0	0
	EXP.		0.7	0.7	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.480	1.524	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8424	0.7862	0.7757	0.7687	0.7638	0.7666	0.8566	0.7914	0.7778
										TREND, 0.9944
1975-78	OBS. TOTAL	2	0	1	0	0	0	1	0	0
	EXP.		0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	1.875	0.000	0.000	0.000	58.569	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	86.344	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8076	0.7722	0.7657	0.7610	0.7613	0.7617	0.8163	0.2454	0.2423
										TREND, 0.0000

TABLE 8-3 LEUKEMIA

TABLE 8-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

		1-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-74	OBS.	32	8	3	9	1	4	3	1	3
TOTAL	EXP.		12.6	9.8	5.1	1.5	1.6	0.7	0.3	0.6
	OBS./EXP.		0.635	0.307	1.775	0.652	2.570	4.177	3.077	7.048
	RELATIVE RISK		1.000		3.610	1.327	5.228	8.495	6.258	14.334
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.0240	0.3488	0.0147	0.0253	0.2574	0.0019	0.0360	0.0002	0.0004
1950-54	OBS.	6	0	0	0	1	0	1	1	3
	EXP.		2.2	1.9	0.9	0.3	0.3	0.2	0.1	0.1
	OBS./EXP.		0.000	0.000	0.000	3.376	0.000	6.596	16.347	33.822
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	0.2398	X	0.2398	0.2398	0.0000	0.2398	0.0003	0.0000
1955-58	OBS.	7	0	2	3	0	1	1	0	0
	EXP.		2.2	2.3	1.1	0.4	0.5	0.2	0.1	0.1
	OBS./EXP.		0.000	0.860	2.700	0.000	2.002	4.153	0.000	0.000
	RELATIVE RISK		1.000		6.113	0.000	4.533	9.402	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.1236	0.8000	0.2694	0.2617	0.7682	0.7713	0.2005	0.3519	0.2773
1959-62	OBS.	3	1	0	0	0	2	0	0	0
	EXP.		1.4	0.8	0.5	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.730	0.000	0.000	0.000	21.113	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	46.132	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8070	0.7734	0.0044	0.7644	0.7635	0.7633	0.8167	0.0433	0.7702
1963-66	OBS.	2	0	0	1	0	0	1	0	0
	EXP.		0.7	0.7	0.3	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	0.000	3.285	0.000	0.000	14.444	0.000	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2398	X	X	0.2398	X	X	0.2398	0.2398	0.2398
1967-70	OBS.	3	1	0	2	0	0	0	0	0
	EXP.		1.4	0.8	0.5	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.728	0.000	4.029	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		8.817	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.1994	0.7735	0.7701	0.7641	0.7636	0.7633	0.2530	0.7795	0.7702
1971-74	OBS.	6	3	1	1	0	1	0	0	0
	EXP.		2.7	1.8	0.9	0.2	0.2	0.1	0.1	0.1
	OBS./EXP.		1.105	0.564	1.085	0.000	5.644	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.217	0.000	6.335	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3727	0.7841	0.2585	0.7691	0.7662	0.7686	0.4525	0.2821	0.7822
1975-78	OBS.	5	3	0	2	0	0	0	0	0
	EXP.		2.0	1.5	0.8	0.2	0.2	0.1	0.0	0.1
	OBS./EXP.		1.467	0.000	2.497	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		2.929	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4160	0.7804	0.7767	0.7674	0.7651	0.7664	0.3938	0.7924	0.7778

TABLE B-4 LEUKEMIA

TABLE B-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-74 TOTAL	OBS. EXP.	39	9 16.5	4 10.7	6 6.8	3 2.0	5 1.4	4 0.7	5 0.3	3 0.5
	OBS./EXP. RELATIVE RISK		0.544 1.000	0.374	0.880 1.843	1.471 3.082	3.489 7.309	5.968 12.504	14.521 30.421	6.562 13.747
	TEST PROB.	AB=C? 0.2605	AB=D? 0.1904	AB=E? 0.0067	AB=F? 0.0004	AB=G? 0.0000	AB=H? 0.0025	AB=I? 0.1418	AB=J? 0.0000	HOMO. 0.0000 TREND, 0.0000
1950-54	OBS. EXP.	9	2 3.4	0 2.5	1 1.5	0 0.5	2 0.6	1 0.2	1 0.1	2 0.1
	OBS./EXP. RELATIVE RISK		0.553 1.000	0.000	0.661 2.018	0.000 0.000	4.712 14.392	4.433 13.599	9.938 30.353	17.366 53.040
	TEST PROB.	AB=C? 0.3082	AB=D? 0.7804	AB=E? 0.0610	AB=F? 0.2440	AB=G? 0.2420	AB=H? 0.0004	AB=I? 0.3345	AB=J? 0.0004	HOMO. 0.0001 TREND, 0.0000
1955-58	OBS. EXP.	3	0 1.3	0 0.8	1 0.5	0 0.1	0 0.1	1 0.0	0 0.0	1 0.0
	OBS./EXP. RELATIVE RISK		0.000	0.000 X	1.881 X	0.000 X	0.000 X	26.734 X	0.000 X	30.811 X
	TEST PROB.	AB=C? 0.2398	AB=D? X	AB=E? X	AB=F? 0.2398	AB=G? X	AB=H? 0.2398	AB=I? 0.2398	AB=J? 0.0108	HOMO. 0.0005 TREND, 0.0000
1959-62	OBS. EXP.	4	0 1.8	0 1.1	3 0.7	0 0.2	0 0.1	0 0.1	1 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.000	0.000 X	4.315 X	0.000 X	0.000 X	0.000 X	34.500 X	0.000 X
	TEST PROB.	AB=C? 0.0301	AB=D? X	AB=E? X	AB=F? X	AB=G? 0.2398	AB=H? X	AB=I? 0.0513	AB=J? 0.2398	HOMO. 0.2398 TREND, 0.0000
1963-66	OBS. EXP.	5	1 2.2	1 1.3	0 0.9	1 0.3	1 0.1	0 0.1	1 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		0.448 1.000	0.756	0.000 0.000	3.958 7.038	6.896 12.263	0.000 0.000	29.336 52.165	0.000 0.000
	TEST PROB.	AB=C? 0.8235	AB=D? 0.2554	AB=E? 0.2491	AB=F? 0.7663	AB=G? 0.2419	AB=H? 0.7651	AB=I? 0.3337	AB=J? 0.0738	HOMO. 0.2493 TREND, 0.0000
1967-70	OBS. EXP.	5	1 2.1	1 1.3	0 0.9	0 0.3	1 0.2	1 0.1	1 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		0.487 1.000	0.768	0.000 0.000	0.000 0.000	4.640 7.786	9.425 15.815	19.569 32.836	0.000 0.000
	TEST PROB.	AB=C? 0.8313	AB=D? 0.8005	AB=E? 0.2552	AB=F? 0.2458	AB=G? 0.2430	AB=H? 0.7695	AB=I? 0.8554	AB=J? 0.0283	HOMO. 0.0583 TREND, 0.0001
1971-74	OBS. EXP.	6	2 2.4	1 1.8	0 1.1	0 0.3	1 0.2	1 0.1	1 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		0.830 1.000	0.567	0.000 0.000	0.000 0.000	4.377 6.092	9.378 13.052	17.752 24.706	0.000 0.000
	TEST PROB.	AB=C? 0.8466	AB=D? 0.7922	AB=E? 0.2612	AB=F? 0.2490	AB=G? 0.2446	AB=H? 0.7701	AB=I? 0.8634	AB=J? 0.0393	HOMO. 0.0638 TREND, 0.0002
1975-78	OBS. EXP.	7	3 3.1	1 1.9	1 1.2	2 0.3	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		0.966 1.000	0.520	0.817 1.027	6.171 7.757	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4581	AB=D? 0.1144	AB=E? 0.7813	AB=F? 0.7688	AB=G? 0.7653	AB=H? 0.7679	AB=I? 0.3315	AB=J? 0.7990	HOMO. 0.7806 TREND, 0.2126

TABLE 8-5 LEUKEMIA

TABLE 8-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

		T=45 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	57	21	10	8	4	2	3	3	6
TOTAL	EXP.		23.1	15.4	11.0	3.2	2.4	0.9	0.4	0.6
	OBS./EXP.		0.909	0.648	0.730	1.268	0.840	3.331	7.087	9.472
	RELATIVE RISK		1.000		0.908	1.577	1.045	4.142	8.813	11.779
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6162	0.3506	0.4158	0.1013	0.0052	0.0000	0.6514	0.0009	0.0000
1950-54	OBS.	8	2	1	0	1	0	1	1	2
	EXP.		3.0	2.2	1.5	0.5	0.4	0.2	0.1	0.1
	OBS./EXP.		0.674	0.456	0.000	1.888	0.000	5.901	10.815	16.098
	RELATIVE RISK		1.000		0.000	3.248	0.000	10.149	16.602	27.688
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6543	0.2734	0.7923	0.2523	0.2438	0.0051	0.6106	0.0264	0.0015
1955-58	OBS.	11	3	2	2	0	1	1	1	1
	EXP.		4.9	2.8	2.1	0.5	0.4	0.1	0.1	0.1
	OBS./EXP.		0.608	0.722	0.962	0.000	2.605	7.890	16.191	10.149
	RELATIVE RISK		1.000		1.483	0.000	4.014	12.160	24.954	15.672
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3718	0.8012	0.2683	0.2490	0.2442	0.2467	0.3982	0.0080	0.0018
1959-62	OBS.	6	3	0	2	0	0	0	0	1
	EXP.		2.5	1.6	1.1	0.3	0.3	0.1	0.0	0.1
	OBS./EXP.		1.208	0.000	1.794	0.000	0.000	0.000	0.000	14.284
	RELATIVE RISK		1.000		2.434	0.000	0.000	0.000	0.000	19.381
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4321	0.7878	0.7815	0.7673	0.7635	0.2459	0.3750	0.2885	0.2589
1963-66	OBS.	6	2	1	1	1	0	0	1	0
	EXP.		2.5	1.6	1.1	0.3	0.3	0.1	0.0	0.1
	OBS./EXP.		0.800	0.641	0.876	2.936	0.000	0.000	22.504	0.000
	RELATIVE RISK		1.000		1.186	3.974	0.000	0.000	30.463	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3860	0.2645	0.7817	0.7672	0.2421	0.7659	0.3671	0.2710	0.2519
1967-70	OBS.	6	2	2	0	0	0	1	0	1
	EXP.		1.8	1.9	1.2	0.4	0.3	0.2	0.1	0.1
	OBS./EXP.		1.113	1.056	0.000	0.000	0.000	6.316	0.000	9.959
	RELATIVE RISK		1.000		0.000	0.000	0.000	5.826	0.000	9.187
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8604	0.8133	0.8033	0.2629	0.7718	0.2507	0.9021	0.3979	0.1844
1971-74	OBS.	6	1	4	0	1	0	0	0	0
	EXP.		2.7	1.5	1.1	0.3	0.2	0.1	0.0	0.0
	OBS./EXP.		0.373	2.589	0.000	3.498	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	2.956	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8736	0.2826	0.7907	0.7704	0.7644	0.7677	0.7190	0.8076	0.7810
1975-78	OBS.	14	8	0	3	1	1	0	0	1
	EXP.		5.8	3.9	2.7	0.7	0.5	0.2	0.1	0.1
	OBS./EXP.		1.391	0.000	1.094	1.439	1.858	0.000	0.000	8.167
	RELATIVE RISK		1.000		1.319	1.734	2.240	0.000	0.000	9.821
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3991	0.3227	0.2992	0.7786	0.7621	0.2508	0.4260	0.3713	0.2768

TABLE 8-6 LEUKEMIA

TABLE 8-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+										
		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS. TOTAL	22	2	4	6	2	2	2	2	2
	EXP.		9.1	6.1	4.3	1.2	0.7	0.3	0.1	0.2
	OBS./EXP.		0.221	0.656	1.386	1.621	2.855	7.055	16.491	11.783
	RELATIVE RISK		1.000		3.504	4.098	7.215	17.829	41.677	29.778
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.0835	0.2268	0.1184	0.0060	0.0002	0.0004	0.0532	0.0000	0.0000
										TREND.
										0.0000
1950-54	OBS. EXP.	5	1	1	1	1	0	0	0	1
			2.3	1.3	0.9	0.3	0.1	0.0	0.0	0.0
	OBS./EXP.		0.439	0.762	1.095	3.989	0.000	0.000	0.000	29.086
	RELATIVE RISK		1.000		1.964	7.162	0.000	0.000	0.000	52.215
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3097	0.2563	0.7724	0.7644	0.7623	0.2419	0.4577	0.2538	0.2463
										0.0001
										0.0001
1955-58	OBS. EXP.	7	1	1	1	1	0	2	0	1
			3.2	1.8	1.3	0.4	0.2	0.1	0.0	0.0
	OBS./EXP.		0.316	0.544	0.781	2.792	0.000	27.830	0.000	20.721
	RELATIVE RISK		1.000		1.953	6.983	0.000	69.605	0.000	51.825
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3091	0.2564	0.7749	0.0000	0.7626	0.2423	0.4606	0.0045	0.0000
										0.0000
										0.0000
1959-62	OBS. EXP.	2	0	1	0	0	1	0	0	0
			0.7	0.6	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	1.684	0.000	0.000	12.550	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	16.077	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8100	0.7755	0.2448	0.7628	0.7614	0.7613	0.8209	0.2496	0.7650
										0.0857
										0.1346
1963-66	OBS. EXP.	4	0	0	2	0	1	0	1	0
			1.9	1.0	0.8	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	2.606	0.000	10.937	0.000	60.979	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1197	X	0.2398	X	0.2398	X	0.1612	0.0010	0.2398
										0.0000
										0.0000
1967-70	OBS. EXP.	2	0	1	0	0	0	0	1	0
			0.4	0.8	0.5	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	1.272	0.000	0.000	0.000	0.000	47.396	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	55.889	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8247	0.7858	0.7741	0.7680	0.2417	0.7631	0.8411	0.2602	0.2492
										0.0000
										0.0152
1971-74	OBS. EXP.	0	0	0	0	0	0	0	0	0
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
										TREND.
										X
1975-78	OBS. EXP.	2	0	0	2	0	0	0	0	0
			0.7	0.6	0.4	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	0.000	4.804	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1601	X	X	X	X	X	0.2143	X	X
										0.3663
										0.4858

TABLE 8-7 LEUKEMIA

TABLE 8-7

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	141	42	14	28	11	14	9	11	12		
TOTAL	EXP.		63.8	37.5	25.3	6.5	4.2	1.6	0.8	1.2		
	OBS./EXP.		0.658	0.373	1.106	1.700	3.317	5.634	13.045	9.709		
	RELATIVE RISK		1.000		2.000	3.076	6.001	10.192	23.599	17.563		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.0193	0.0104	0.0000	0.0000	0.0000	0.0000	0.0035	0.0000	0.0000	0.0000	0.0000
1950-54	OBS.	25	6	1	2	3	3	2	3	5		
	EXP.		11.3	6.8	4.4	1.1	0.7	0.3	0.2	0.2		
	OBS./EXP.		0.531	0.148	0.452	2.673	4.127	6.983	19.816	22.499		
	RELATIVE RISK		1.000		1.167	6.898	10.652	18.024	51.145	58.070		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4199	0.0456	0.0065	0.0089	0.0000	0.0000	0.2350	0.0000	0.0000	0.0000	0.0000
1955-58	OBS.	27	5	3	7	1	2	4	1	4		
	EXP.		12.2	7.1	4.9	1.3	0.8	0.3	0.2	0.2		
	OBS./EXP.		0.410	0.422	1.428	0.782	2.403	13.277	6.542	17.342		
	RELATIVE RISK		1.000		3.147	1.886	5.799	32.036	15.785	41.845		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.0565	0.3193	0.1514	0.0000	0.2465	0.0000	0.0663	0.0000	0.0000	0.0000	0.0000
1959-62	OBS.	18	4	1	7	1	3	0	1	1		
	EXP.		8.2	4.8	3.2	0.8	0.5	0.2	0.1	0.2		
	OBS./EXP.		0.487	0.210	2.157	1.235	5.823	0.000	9.299	6.650		
	RELATIVE RISK		1.000		5.597	3.205	15.108	0.000	24.125	17.253		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.0213	0.2817	0.0036	0.7703	0.2446	0.2656	0.0247	0.0005	0.0454	0.0000	0.0000
1963-66	OBS.	16	3	2	4	2	2	0	3	0		
	EXP.		7.3	4.1	3.0	0.8	0.5	0.2	0.1	0.1		
	OBS./EXP.		0.412	0.482	1.352	2.605	4.413	0.000	34.417	0.000		
	RELATIVE RISK		1.000		3.090	5.952	10.085	0.000	78.654	0.000		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.1676	0.1569	0.0719	0.7711	0.0000	0.7692	0.0817	0.0006	0.0017	0.0000	0.0000
1967-70	OBS.	11	4	0	2	0	1	1	2	1		
	EXP.		5.0	2.9	2.0	0.5	0.3	0.1	0.1	0.1		
	OBS./EXP.		0.797	0.000	0.994	0.000	3.292	8.414	27.287	10.400		
	RELATIVE RISK		1.000		1.958	0.000	6.884	16.569	53.738	20.480		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3881	0.7931	0.2578	0.2665	0.0000	0.2445	0.3685	0.0001	0.0000	0.0000	0.0000
1971-74	OBS.	18	7	5	1	1	2	1	1	0		
	EXP.		8.1	5.0	3.1	0.8	0.6	0.2	0.1	0.2		
	OBS./EXP.		0.866	1.000	0.323	1.307	3.494	4.554	8.424	0.000		
	RELATIVE RISK		1.000		0.352	1.422	3.801	4.954	9.164	0.000		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.8284	0.3481	0.2380	0.2634	0.2515	0.7781	0.7622	0.0705	0.1987	0.0400	0.0185
1975-78	OBS.	26	13	2	5	3	1	1	0	1		
	EXP.		13.7	6.9	4.7	1.2	0.8	0.3	0.1	0.2		
	OBS./EXP.		1.111	0.288	1.065	2.538	1.205	3.468	0.000	4.643		
	RELATIVE RISK		1.000		1.324	3.155	1.498	4.311	0.000	5.771		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4787	0.1745	0.3443	0.2668	0.7734	0.2607	0.2534	0.2666	0.2220	0.1266	0.0208

TABLE 8-8 LEUKEMIA

TABLE 8-8

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-76 TOTAL	OBS. EXP.	39	4 8.3	10 14.0	5 8.2	0 3.0	3 2.7	7 1.4	1 0.6	9 0.7		
	OBS./EXP. RELATIVE RISK		0.480 1.000	0.714 1.000	0.609 0.971	0.000 0.000	1.108 1.768	4.905 7.827	1.789 2.855	12.120 19.342		
	TEST PROB.	AB=C? 0.5356	AB=D? 0.8876	AB=E? 0.3663	AB=F? 0.0003	AB=G? 0.2818	AB=H? 0.0000	AB=CD? 0.7242	AB=E-H? 0.0000	AB=FGH? 0.0000	NOMO. 0.0000	TREND. 0.0000
1950-54	OBS. EXP.	12	1 2.7	1 4.2	0 2.4	0 1.0	2 0.9	2 0.5	0 0.2	6 0.2		
	OBS./EXP. RELATIVE RISK		0.377 1.000	0.239 1.000	0.000 0.000	0.000 0.000	2.339 2.991	4.269 14.585	0.000 0.000	24.098 82.330		
	TEST PROB.	AB=C? 0.8505	AB=D? 0.8002	AB=E? 0.1336	AB=F? 0.0311	AB=G? 0.7695	AB=H? 0.0000	AB=CD? 0.6715	AB=E-H? 0.0001	AB=FGH? 0.0000	NOMO. 0.0000	TREND. 0.0000
1955-58	OBS. EXP.	3	0 1.0	2 1.8	1 0.9	0 0.4	0 0.5	2 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.092 1.000	1.106 1.587	0.000 0.000	0.000 0.000	8.706 12.494	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3203	AB=D? 0.8000	AB=E? 0.8098	AB=F? 0.0713	AB=G? 0.7682	AB=H? 0.7713	AB=CD? 0.3877	AB=E-H? 0.3864	AB=FGH? 0.1657	NOMO. 0.0279	TREND. 0.1518
1959-62	OBS. EXP.	6	1 1.2	0 2.2	0 1.4	0 0.4	1 0.3	1 0.2	0 0.1	3 0.1		
	OBS./EXP. RELATIVE RISK		0.808 1.000	0.000 1.000	0.000 0.000	0.000 0.000	3.218 11.167	6.009 20.853	0.000 0.000	26.253 91.110		
	TEST PROB.	AB=C? 0.8313	AB=D? 0.7826	AB=E? 0.2492	AB=F? 0.2443	AB=G? 0.7635	AB=H? 0.0000	AB=CD? 0.8450	AB=E-H? 0.0027	AB=FGH? 0.0005	NOMO. 0.0000	TREND. 0.0000
1963-66	OBS. EXP.	3	0 0.7	1 1.0	1 0.6	0 0.2	0 0.2	1 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.957 1.000	1.688 2.898	0.000 0.000	0.000 0.000	8.483 14.561	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2866	AB=D? 0.7827	AB=E? 0.7745	AB=F? 0.2461	AB=G? 0.7636	AB=H? 0.7663	AB=CD? 0.3102	AB=E-H? 0.2662	AB=FGH? 0.2522	NOMO. 0.3205	TREND. 0.2273
1967-70	OBS. EXP.	7	1 1.5	4 2.5	0 1.5	0 0.6	0 0.5	1 0.3	1 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.651 1.000	1.621 1.000	0.000 0.000	0.000 0.000	0.000 0.000	3.894 3.118	9.115 7.298	0.000 0.000		
	TEST PROB.	AB=C? 0.8955	AB=D? 0.8323	AB=E? 0.8218	AB=F? 0.2798	AB=G? 0.2547	AB=H? 0.7805	AB=CD? 0.9215	AB=E-H? 0.3718	AB=FGH? 0.3263	NOMO. 0.0683	TREND. 0.1509
1971-74	OBS. EXP.	2	0 0.4	2 0.8	0 0.5	0 0.1	0 0.1	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 1.000	2.598 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8516	AB=D? 0.7953	AB=E? 0.7901	AB=F? 0.7768	AB=G? 0.7681	AB=H? 0.7703	AB=CD? 0.8700	AB=E-H? 0.8163	AB=FGH? 0.7922	NOMO. 0.8663	TREND. 0.7173
1975-78	OBS. EXP.	4	1 0.8	0 1.4	3 0.9	0 0.3	0 0.3	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.204 1.000	0.000 1.000	3.498 7.961	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.1470	AB=D? 0.7818	AB=E? 0.7781	AB=F? 0.7706	AB=G? 0.7648	AB=H? 0.7669	AB=CD? 0.2162	AB=E-H? 0.7965	AB=FGH? 0.7809	NOMO. 0.3565	TREND. 0.7272

TABLE 9-1 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	4576	1770	1224	891	259	205	108	43	76		
TOTAL	EXP.		1847.8	1272.7	871.6	254.1	177.3	72.5	33.6	66.6		
	OBS./EXP.		0.958	0.962	1.022	1.019	1.156	1.490	1.288	1.630		
	RELATIVE RISK		1.000	1.004	1.067	1.066	1.207	1.556	1.343	1.701		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.1278	0.2360	0.0330	0.0005	0.0918	0.0006	0.1065	0.0006	0.0005	0.0000	0.0000
1950-54	OBS.	440	181	109	87	25	19	8	4	7		
	EXP.		178.6	123.5	85.4	23.7	15.6	6.0	2.8	4.2		
	OBS./EXP.		1.013	0.883	1.018	1.053	1.215	1.341	1.411	1.655		
	RELATIVE RISK		1.000	0.871	1.005	1.039	1.199	1.324	1.392	1.633		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.5093	0.4476	0.3195	0.3557	0.4198	0.2464	0.4948	0.2620	0.2031	0.5894	0.0215
1955-58	OBS.	519	218	151	93	24	16	8	3	6		
	EXP.		208.8	146.0	101.4	28.6	18.6	7.4	3.4	4.8		
	OBS./EXP.		1.044	1.034	0.917	0.838	0.858	1.088	0.894	1.239		
	RELATIVE RISK		1.000	0.990	0.878	0.803	0.822	1.042	0.856	1.186		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.7687	0.7653	0.7008	0.4528	0.6181	0.4823	0.8137	0.6097	0.4500	0.9021	0.5369
1959-62	OBS.	620	223	181	124	34	36	5	8	9		
	EXP.		256.7	169.0	118.4	35.0	22.4	8.7	4.1	5.7		
	OBS./EXP.		0.869	1.071	1.047	0.971	1.611	0.573	1.943	1.579		
	RELATIVE RISK		1.000	1.233	1.206	1.118	1.854	0.660	2.236	1.818		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.1201	0.2769	0.0043	0.7070	0.0596	0.1009	0.1126	0.0200	0.0227	0.0029	0.0078
1963-66	OBS.	681	266	179	136	46	20	18	2	14		
	EXP.		279.8	185.9	130.1	37.7	25.5	10.5	4.7	6.8		
	OBS./EXP.		0.951	0.963	1.045	1.221	0.784	1.711	0.422	2.064		
	RELATIVE RISK		1.000	1.013	1.099	1.285	0.824	1.800	0.444	2.171		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.2724	0.1728	0.7215	0.0547	0.8362	0.0289	0.1896	0.3208	0.1647	0.0080	0.0083
1967-70	OBS.	718	270	191	150	41	26	23	5	12		
	EXP.		288.8	198.0	136.2	40.4	29.1	12.4	5.4	7.6		
	OBS./EXP.		0.935	0.965	1.101	1.014	0.893	1.855	0.924	1.574		
	RELATIVE RISK		1.000	1.032	1.178	1.085	0.955	1.984	0.988	1.683		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.1373	0.3397	0.5124	0.0096	0.4398	0.1010	0.1433	0.1185	0.1537	0.0345	0.0079
1971-74	OBS.	774	306	199	147	41	45	17	7	12		
	EXP.		307.8	217.2	146.8	43.2	31.6	13.4	6.0	8.0		
	OBS./EXP.		0.994	0.916	1.001	0.948	1.424	1.272	1.176	1.496		
	RELATIVE RISK		1.000	0.922	1.007	0.954	1.433	1.279	1.183	1.505		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4592	0.5998	0.0771	0.2646	0.4421	0.1942	0.4402	0.0616	0.1797	0.1511	0.0061
1975-78	OBS.	824	306	214	154	48	43	29	14	16		
	EXP.		329.0	231.7	154.0	45.5	34.6	14.2	6.6	8.4		
	OBS./EXP.		0.930	0.924	1.000	1.056	1.242	2.040	2.119	1.914		
	RELATIVE RISK		1.000	0.993	1.075	1.135	1.336	2.193	2.278	2.058		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3366	0.3402	0.1731	0.0036	0.0354	0.0394	0.2816	0.0114	0.0055	0.0000	0.0000

TABLE 9-2 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	48	15	15	4	1	3	8	0	2
TOTAL	EXP.		20.1	12.0	9.4	2.2	1.2	0.6	0.2	0.3
	OBS./EXP.		0.746	1.074	0.424	0.457	2.578	14.347	0.000	5.738
	RELATIVE RISK		1.000	1.441	0.569	0.613	3.458	19.242	0.000	7.696
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8212	0.7240	0.1920	0.0000	0.7828	0.0826	0.8238	0.0001	0.1903
									HOMO.	TREND.
									0.0000	0.0000
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	44.026	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X
1959-62	OBS.	3	1	0	0	0	0	2	0	0
	EXP.		1.4	0.8	0.6	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.708	0.000	0.000	0.000	0.000	75.464	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	106.610	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8266	0.7702	0.7703	0.0000	0.7621	0.7627	0.8379	0.0150	0.7645
1963-66	OBS.	2	0	0	0	0	0	1	0	1
	EXP.		0.7	0.7	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	28.120	0.000	44.291
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	0.2398	X	0.2398	X	0.2398	0.2398
1967-70	OBS.	8	3	2	0	0	2	0	0	1
	EXP.		2.9	2.5	1.7	0.4	0.2	0.1	0.0	0.1
	OBS./EXP.		1.021	0.797	0.000	0.000	8.904	0.000	0.000	13.424
	RELATIVE RISK		1.000	0.781	0.000	0.000	8.725	0.000	0.000	13.154
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9107	0.8229	0.1611	0.7834	0.7704	0.2457	0.9262	0.2644	0.2504
1971-74	OBS.	13	3	6	2	0	1	1	0	0
	EXP.		5.6	3.7	2.5	0.6	0.3	0.1	0.1	0.1
	OBS./EXP.		0.539	1.606	0.795	0.000	3.231	7.075	0.000	0.000
	RELATIVE RISK		1.000	2.980	1.475	0.000	6.033	13.130	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3734	0.7942	0.2555	0.2461	0.7638	0.7648	0.4207	0.0742	0.7683
1975-78	OBS.	21	8	7	2	1	0	3	0	0
	EXP.		9.3	5.9	4.0	0.9	0.5	0.2	0.1	0.1
	OBS./EXP.		0.857	1.195	0.500	1.094	0.000	14.497	0.000	0.000
	RELATIVE RISK		1.000	1.395	0.584	1.277	0.000	16.924	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7693	0.4009	0.8143	0.0054	0.7735	0.7811	0.7137	0.1359	0.7923

TABLE 9-3 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	221	66	65	32	11	16	11	11	9
TOTAL	EXP.		81.0	68.2	35.8	11.9	12.7	5.9	2.4	3.1
	OBS./EXP.		0.815	0.953	0.895	0.926	1.262	1.858	4.513	2.893
	RELATIVE RISK		1.000	1.169	1.098	1.136	1.549	2.280	5.538	3.551
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3747	0.4613	0.1402	0.0278	0.0000	0.0037	0.3562	0.0279	0.0000
1950-54	OBS.	2	1	0	0	0	0	0	1	0
	EXP.		0.9	0.5	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.077	0.000	0.000	0.000	0.000	0.000	46.283	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	42.956	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8265	0.7802	0.7753	0.7842	0.2423	0.7848	0.8391	0.7807	0.2447
1955-58	OBS.	9	3	4	2	0	0	0	0	0
	EXP.		3.1	2.7	1.5	0.5	0.6	0.3	0.1	0.1
	OBS./EXP.		0.954	1.457	1.329	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.527	1.393	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4058	0.8287	0.8393	0.8081	0.7771	0.7770	0.6388	0.8635	0.7919
1959-62	OBS.	10	2	5	2	0	0	0	1	0
	EXP.		3.6	3.0	1.7	0.6	0.6	0.3	0.1	0.1
	OBS./EXP.		0.555	1.671	1.185	0.000	0.000	0.000	8.493	0.000
	RELATIVE RISK		1.000	3.009	2.135	0.000	0.000	0.000	15.297	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4011	0.7894	0.7823	0.7891	0.2470	0.7672	0.3643	0.7899	0.2562
1963-66	OBS.	17	4	5	3	1	2	0	0	0
	EXP.		6.3	5.2	2.8	0.9	1.0	0.5	0.2	0.2
	OBS./EXP.		0.953	0.963	1.087	1.098	2.070	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.010	1.141	1.192	2.172	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4042	0.4138	0.4404	0.8104	0.7811	0.7846	0.4175	0.3636	0.8020
1967-70	OBS.	38	8	13	6	3	1	4	1	2
	EXP.		13.5	11.6	6.3	2.2	2.4	1.1	0.4	0.5
	OBS./EXP.		0.593	1.121	0.956	1.375	0.425	3.612	2.233	3.740
	RELATIVE RISK		1.000	1.891	1.613	2.320	0.716	6.094	3.768	6.310
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3512	0.2911	0.6917	0.0275	0.2701	0.0983	0.2390	0.2013	0.0544
1971-74	OBS.	54	18	17	4	2	5	3	3	0
	EXP.		19.8	16.7	8.7	2.9	3.1	1.5	0.6	0.7
	OBS./EXP.		0.911	1.018	0.689	0.686	1.606	2.061	5.015	0.000
	RELATIVE RISK		1.000	1.117	0.756	0.753	1.763	2.262	5.504	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6490	0.6743	0.2617	0.2552	0.0414	0.8194	0.6733	0.1633	0.2211
1975-78	OBS.	91	28	21	13	5	8	4	5	7
	EXP.		33.9	28.4	16.3	4.7	5.0	2.3	0.9	1.3
	OBS./EXP.		0.827	0.739	0.896	1.060	1.603	1.732	5.294	5.592
	RELATIVE RISK		1.000	0.894	1.083	1.282	1.939	2.095	6.102	6.783
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4578	0.4660	0.1736	0.1923	0.0038	0.0003	0.4470	0.0838	0.0000

TABLE 9-4 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-4

MIYOSHIKAWA • NAGASAKI, MALE • FEMALE, AGE ATB 20-34

		T=65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	631	228 247.1	160 179.6	124 113.4	35 36.1	35 27.0	29 13.0	6 6.5	14 8.2
	OBS./EXP. RELATIVE RISK		0.923 1.000	0.891 0.965	1.094 1.185	0.969 1.050	1.296 1.406	2.222 2.408	0.921 0.998	1.710 1.853
	TEST PROB.	A=C? 0.1421	A=D? 0.4781	A=E? 0.1662	A=F? 0.0025	A=G? 0.5883	A=H? 0.0842	A=I? 0.1846	A=J? 0.0095	A=K? 0.1672
										HOMO. 0.0001
										TREND. 0.0000
1950-54	OBS. EXP.	29	10 11.7	11 8.2	6 5.3	0 1.6	1 1.1	1 0.5	0 0.3	0 0.4
	OBS./EXP. RELATIVE RISK		0.854 1.000	1.344 1.573	1.134 1.328	0.000 0.000	0.912 1.067	1.992 2.331	0.000 0.000	0.000 0.000
	TEST PROB.	A=C? 0.4344	A=D? 0.8541	A=E? 0.3413	A=F? 0.2891	A=G? 0.7783	A=H? 0.7871	A=I? 0.4334	A=J? 0.3779	A=K? 0.8021
										HOMO. 0.7741
										TREND. 0.7235
1955-58	OBS. EXP.	34	12 12.9	12 9.9	5 6.4	2 2.0	0 1.4	1 0.6	0 0.3	2 0.5
	OBS./EXP. RELATIVE RISK		0.929 1.000	1.210 1.302	0.777 0.836	1.008 1.084	0.000 0.000	1.643 1.768	0.000 0.000	4.398 4.732
	TEST PROB.	A=C? 0.6085	A=D? 0.4173	A=E? 0.8701	A=F? 0.3140	A=G? 0.7968	A=H? 0.2106	A=I? 0.5338	A=J? 0.7303	A=K? 0.3972
										HOMO. 0.3302
										TREND. 0.1140
1959-62	OBS. EXP.	46	19 18.4	12 13.0	5 8.4	1 2.6	4 1.8	0 0.8	1 0.4	4 0.6
	OBS./EXP. RELATIVE RISK		1.034 1.000	0.921 0.891	0.596 0.576	0.389 0.376	2.221 2.148	0.000 0.000	2.322 2.246	6.954 6.725
	TEST PROB.	A=C? 0.8447	A=D? 0.8315	A=E? 0.2807	A=F? 0.8473	A=G? 0.3054	A=H? 0.0115	A=I? 0.8786	A=J? 0.4574	A=K? 0.0189
										HOMO. 0.0003
										TREND. 0.0002
1963-66	OBS. EXP.	91	31 36.6	29 25.8	18 16.5	5 5.0	1 3.5	4 1.7	0 0.9	3 1.1
	OBS./EXP. RELATIVE RISK		0.847 1.000	1.128 1.329	1.093 1.290	1.002 1.183	0.283 0.334	2.415 2.851	0.000 0.000	2.644 3.122
	TEST PROB.	A=C? 0.3029	A=D? 0.5592	A=E? 0.8795	A=F? 0.1909	A=G? 0.8431	A=H? 0.1985	A=I? 0.3608	A=J? 0.4435	A=K? 0.4834
										HOMO. 0.1605
										TREND. 0.0998
1967-70	OBS. EXP.	104	33 40.1	22 29.8	28 18.5	8 6.0	6 4.7	3 2.3	1 1.1	1 1.4
	OBS./EXP. RELATIVE RISK		0.872 1.000	0.738 0.846	1.511 1.733	1.333 1.528	1.278 1.465	1.289 1.478	0.879 1.008	0.720 0.825
	TEST PROB.	A=C? 0.0756	A=D? 0.2653	A=E? 0.3852	A=F? 0.4055	A=G? 0.5808	A=H? 0.6473	A=I? 0.0708	A=J? 0.3855	A=K? 0.6403
										HOMO. 0.2544
										TREND. 0.2916
1971-74	OBS. EXP.	142	48 55.8	36 40.3	29 25.5	7 8.2	12 6.1	7 2.9	1 1.5	2 1.6
	OBS./EXP. RELATIVE RISK		0.861 1.000	0.893 1.037	1.139 1.323	0.857 0.995	1.969 2.287	2.413 2.803	0.678 0.787	1.100 1.277
	TEST PROB.	A=C? 0.2150	A=D? 0.5858	A=E? 0.0790	A=F? 0.0889	A=G? 0.6641	A=H? 0.4011	A=I? 0.2659	A=J? 0.0312	A=K? 0.4674
										HOMO. 0.0655
										TREND. 0.0295
1975-78	OBS. EXP.	185	73 71.7	34 52.8	33 32.8	12 10.8	11 8.3	13 4.0	3 2.1	2 2.4
	OBS./EXP. RELATIVE RISK		1.018 1.000	0.719 0.706	1.007 0.989	1.106 1.087	1.322 1.298	3.212 3.155	1.448 1.422	0.825 0.810
	TEST PROB.	A=C? 0.5346	A=D? 0.4586	A=E? 0.3711	A=F? 0.0034	A=G? 0.4253	A=H? 0.6380	A=I? 0.5225	A=J? 0.0360	A=K? 0.4334
										HOMO. 0.0005
										TREND. 0.0086

TABLE 9-3 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	Y-45 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	2066	779	559	426	124	85	37	20	36
	EXP.		828.5	564.5	399.6	114.9	86.5	33.2	15.6	23.2
	OBS./EXP.		0.940	0.990	1.066	1.079	0.982	1.114	1.263	1.530
	RELATIVE RISK		1.000	1.053	1.134	1.148	1.045	1.184	1.365	1.649
	TEST PROB.	A=C? 0.0653	A=0? 0.1422	A=E? 0.3826	A=F? 0.2106	A=G? 0.1845	A=H? 0.0215	A=CD? 0.0432	A=EF? 0.2188	A=GH? 0.0157
									MONO. 0.0414	TREND. 0.0010
1950-54	OBS. TOTAL	149	51	41	33	12	5	4	1	2
	EXP.		59.8	40.7	29.5	8.1	5.8	2.3	1.1	1.6
	OBS./EXP.		0.853	1.007	1.120	1.480	0.859	1.741	0.883	1.233
	RELATIVE RISK		1.000	1.181	1.313	1.736	1.008	2.042	1.035	1.447
	TEST PROB.	A=C? 0.2218	A=0? 0.1404	A=E? 0.5474	A=F? 0.2896	A=G? 0.5700	A=H? 0.3899	A=CD? 0.1273	A=EF? 0.3835	A=GH? 0.4144
									MONO. 0.6375	TREND. 0.1754
1955-58	OBS. TOTAL	191	83	49	39	5	6	4	3	2
	EXP.		78.3	51.7	37.3	10.2	7.3	2.8	1.4	2.0
	OBS./EXP.		1.060	0.948	1.046	0.489	0.817	1.433	2.197	0.988
	RELATIVE RISK		1.000	0.895	0.987	0.462	0.771	1.352	2.073	0.932
	TEST PROB.	A=C? 0.4869	A=0? 0.8901	A=E? 0.6803	A=F? 0.3665	A=G? 0.2758	A=H? 0.4397	A=CD? 0.6893	A=EF? 0.4712	A=GH? 0.3424
									MONO. 0.5502	TREND. 0.3671
1959-62	OBS. TOTAL	252	81	73	58	18	14	2	4	4
	EXP.		100.9	68.8	48.4	14.3	10.7	4.1	1.9	2.9
	OBS./EXP.		0.803	1.062	1.197	1.121	1.313	0.489	2.058	1.378
	RELATIVE RISK		1.000	1.323	1.491	1.397	1.635	0.610	2.564	1.717
	TEST PROB.	A=C? 0.0390	A=0? 0.1560	A=E? 0.1058	A=F? 0.6727	A=G? 0.1194	A=H? 0.2669	A=CD? 0.0321	A=EF? 0.1773	A=GH? 0.0936
									MONO. 0.1272	TREND. 0.0775
1963-66	OBS. TOTAL	283	105	77	54	26	9	7	1	4
	EXP.		114.0	77.0	54.2	15.8	12.1	4.6	2.1	3.3
	OBS./EXP.		0.921	1.000	0.996	1.648	0.745	1.520	0.482	1.219
	RELATIVE RISK		1.000	1.086	1.081	1.789	0.808	1.650	0.523	1.323
	TEST PROB.	A=C? 0.3854	A=0? 0.0308	A=E? 0.6359	A=F? 0.1949	A=G? 0.7203	A=H? 0.4426	A=CD? 0.1634	A=EF? 0.4232	A=GH? 0.4323
									MONO. 0.1766	TREND. 0.2243
1967-70	OBS. TOTAL	370	143	101	75	19	13	9	3	7
	EXP.		147.1	101.0	71.4	20.9	16.1	8.3	2.8	4.3
	OBS./EXP.		0.972	1.000	1.050	0.909	0.805	1.428	1.072	1.617
	RELATIVE RISK		1.000	1.029	1.080	0.935	0.828	1.489	1.103	1.663
	TEST PROB.	A=C? 0.3971	A=0? 0.5829	A=E? 0.6805	A=F? 0.2053	A=G? 0.4098	A=H? 0.1939	A=CD? 0.4462	A=EF? 0.4850	A=GH? 0.2126
									MONO. 0.7855	TREND. 0.1294
1971-74	OBS. TOTAL	392	161	96	83	21	16	2	3	10
	EXP.		156.2	107.9	75.9	21.6	16.9	6.5	2.8	4.2
	OBS./EXP.		1.031	0.890	1.094	0.971	0.949	0.307	1.058	2.369
	RELATIVE RISK		1.000	0.864	1.061	0.942	0.921	0.298	1.026	2.298
	TEST PROB.	A=C? 0.3770	A=0? 0.5869	A=E? 0.5966	A=F? 0.9178	A=G? 0.4369	A=H? 0.0486	A=CD? 0.4219	A=EF? 0.7830	A=GH? 0.0882
									MONO. 0.0635	TREND. 0.1005
1975-78	OBS. TOTAL	429	155	122	84	25	22	9	5	7
	EXP.		173.5	117.6	82.8	23.5	18.1	6.5	2.9	4.1
	OBS./EXP.		0.894	1.037	1.014	1.065	1.215	1.376	1.732	1.715
	RELATIVE RISK		1.000	1.161	1.133	1.192	1.360	1.540	1.939	1.920
	TEST PROB.	A=C? 0.2831	A=0? 0.3582	A=E? 0.2729	A=F? 0.2934	A=G? 0.3020	A=H? 0.2132	A=CD? 0.2283	A=EF? 0.1690	A=GH? 0.1379
									MONO. 0.3299	TREND. 0.0056

TABLE 9-6 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE 15-50

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	1610	682	425	305	88	66	23	6	15
TOTAL	EXP.		671.1	446.4	313.3	89.0	49.9	19.7	8.7	11.8
	OBS./EXP.		1.016	0.952	0.973	0.989	1.322	1.166	0.693	1.275
	RELATIVE RISK		1.000	0.937	0.957	0.973	1.301	1.147	0.682	1.255
TEST		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
PROB.		0.7006	0.5390	0.0762	0.3223	0.7676	0.3171	0.6883	0.0699	0.4707
									HOMO.	TREND.
									0.2555	0.0797
1950-54	OBS.	260	119	57	48	13	13	3	2	5
	EXP.		106.2	74.1	50.3	13.9	8.7	3.1	1.4	2.2
	OBS./EXP.		1.121	0.769	0.954	0.932	1.502	0.955	1.409	2.248
	RELATIVE RISK		1.000	0.686	0.851	0.832	1.340	0.853	1.257	2.006
TEST		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
PROB.		0.7838	0.6730	0.2886	0.6212	0.3874	0.2009	0.7994	0.3683	0.2195
									HOMO.	TREND.
									0.1104	0.0292
1955-58	OBS.	284	120	86	47	17	10	2	0	2
	EXP.		114.2	81.3	55.9	15.8	9.3	3.7	1.5	2.2
	OBS./EXP.		1.051	1.058	0.840	1.074	1.072	0.546	0.000	0.902
	RELATIVE RISK		1.000	1.007	0.799	1.022	1.020	0.520	0.000	0.858
TEST		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
PROB.		0.8377	0.4675	0.4555	0.7946	0.8766	0.6477	0.7916	0.6218	0.3180
									HOMO.	TREND.
									0.7177	0.8470
1959-62	OBS.	309	120	91	59	17	18	1	2	1
	EXP.		132.4	83.4	59.3	17.5	9.2	3.5	1.6	2.1
	OBS./EXP.		0.906	1.091	0.995	0.973	1.952	0.286	1.239	0.484
	RELATIVE RISK		1.000	1.203	1.097	1.073	2.153	0.315	1.366	0.534
TEST		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
PROB.		0.3981	0.4246	0.0152	0.8372	0.3840	0.7276	0.3789	0.0723	0.5393
									HOMO.	TREND.
									0.0758	0.4347
1963-66	OBS.	288	124	68	61	14	8	6	1	6
	EXP.		122.3	77.2	56.3	15.9	8.9	3.8	1.6	2.1
	OBS./EXP.		1.014	0.880	1.084	0.881	0.902	1.593	0.623	2.841
	RELATIVE RISK		1.000	0.868	1.069	0.869	0.890	1.571	0.614	2.802
TEST		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
PROB.		0.4251	0.6821	0.6302	0.3145	0.7201	0.0820	0.4799	0.4752	0.2019
									HOMO.	TREND.
									0.1517	0.0235
1967-70	OBS.	198	81	53	41	11	4	7	0	1
	EXP.		85.1	53.1	38.3	10.9	5.7	2.5	1.0	1.3
	OBS./EXP.		0.951	0.998	1.071	1.007	0.702	2.748	0.000	0.771
	RELATIVE RISK		1.000	1.049	1.125	1.058	0.737	2.888	0.000	0.810
TEST		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
PROB.		0.3313	0.4742	0.6446	0.0220	0.8297	0.5844	0.3364	0.1855	0.7460
									HOMO.	TREND.
									0.1965	0.2934
1971-74	OBS.	173	76	44	27	11	11	4	0	0
	EXP.		70.5	48.6	34.2	9.9	5.2	2.4	1.0	1.1
	OBS./EXP.		1.077	0.905	0.789	1.106	2.106	1.701	0.000	0.000
	RELATIVE RISK		1.000	0.840	0.733	1.026	1.954	1.579	0.000	0.000
TEST		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
PROB.		0.8482	0.4530	0.1426	0.3297	0.8475	0.8562	0.7893	0.1062	0.9020
									HOMO.	TREND.
									0.0885	0.3784
1975-78	OBS.	98	42	26	22	5	2	0	1	0
	EXP.		40.6	27.0	19.9	5.5	2.7	1.1	0.6	0.5
	OBS./EXP.		1.033	0.963	1.106	0.904	0.731	0.000	1.631	0.000
	RELATIVE RISK		1.000	0.932	1.070	0.875	0.708	0.000	1.579	0.000
TEST		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
PROB.		0.4648	0.6091	0.6877	0.8675	0.3244	0.8685	0.4668	0.8007	0.3683
									HOMO.	TREND.
									0.9303	0.8205

TABLE 9-7 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-7

HIROSHIMA - NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2313	925	620	408	129	111	57	20	43
TOTAL	EXP.	927.6	646.6	417.9	130.6	103.5	40.3	18.3	28.1	
	OBS./EXP.	0.997	0.959	0.976	0.988	1.072	1.416	1.092	1.530	
	RELATIVE RISK	1.000	0.962	0.979	0.991	1.075	1.420	1.095	1.535	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.5862	0.5327	0.2983	0.0357	0.4279	0.0289	0.3857	0.0678	0.0001
1950-54	OBS.	238	111	59	39	11	11	3	1	3
	EXP.	97.3	66.8	44.2	12.6	9.4	3.3	1.6	2.7	
	OBS./EXP.	1.140	0.884	0.882	0.870	1.166	0.900	0.634	1.125	
	RELATIVE RISK	1.000	0.775	0.773	0.763	1.022	0.789	0.556	0.987	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.8314	0.7359	0.4530	0.6494	0.7255	0.5251	0.8583	0.5295	0.6574
1955-58	OBS.	260	108	76	46	12	9	3	3	3
	EXP.	106.4	72.3	48.3	14.2	10.5	3.8	1.7	2.9	
	OBS./EXP.	1.015	1.051	0.953	0.845	0.861	0.786	1.762	1.043	
	RELATIVE RISK	1.000	1.035	0.939	0.832	0.848	0.774	1.735	1.028	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.6684	0.7166	0.6874	0.7000	0.4424	0.5629	0.7028	0.7082	0.4632
1959-62	OBS.	313	111	95	62	10	21	4	5	5
	EXP.	127.5	86.4	56.6	18.3	13.5	4.9	2.3	3.6	
	OBS./EXP.	0.871	1.099	1.096	0.547	1.558	0.818	2.190	1.399	
	RELATIVE RISK	1.000	1.262	1.259	0.629	1.790	0.940	2.516	1.607	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.1369	0.8363	0.0336	0.4239	0.0795	0.2398	0.3078	0.0489	0.0683
1963-66	OBS.	356	144	92	62	29	9	12	0	8
	EXP.	142.5	98.9	65.3	20.5	15.7	6.1	2.7	4.3	
	OBS./EXP.	1.011	0.930	0.950	1.413	0.574	1.959	0.000	1.863	
	RELATIVE RISK	1.000	0.920	0.960	1.398	0.368	1.938	0.000	1.843	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.6208	0.1604	0.8878	0.0814	0.9167	0.1601	0.4272	0.5527	0.6562
1967-70	OBS.	364	145	103	59	20	16	14	2	5
	EXP.	144.0	100.8	65.8	21.4	17.3	7.1	3.0	4.7	
	OBS./EXP.	1.007	1.022	0.897	0.936	0.924	1.975	0.671	1.073	
	RELATIVE RISK	1.000	1.014	0.890	0.929	0.917	1.961	0.666	1.065	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.7058	0.6015	0.5836	0.0473	0.7025	0.4323	0.7175	0.2357	0.5575
1971-74	OBS.	376	152	89	70	25	22	9	1	8
	EXP.	149.6	104.3	67.9	21.4	17.8	7.2	3.2	4.6	
	OBS./EXP.	1.016	0.853	1.031	1.167	1.236	1.250	0.315	1.733	
	RELATIVE RISK	1.000	0.840	1.015	1.149	1.216	1.230	0.310	1.705	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.4694	0.3136	0.3216	0.3785	0.8430	0.1732	0.3781	0.2979	0.4114
1975-78	OBS.	406	154	106	70	22	23	12	8	11
	EXP.	160.5	115.5	71.2	22.8	19.8	7.9	3.6	4.6	
	OBS./EXP.	0.959	0.918	0.984	0.963	1.161	1.523	2.203	2.374	
	RELATIVE RISK	1.000	0.956	1.025	1.004	1.210	1.587	2.296	2.475	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.4797	0.5515	0.3674	0.2507	0.1175	0.0408	0.4846	0.2168	0.0167

TABLE 9-8 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-8

HIROSHIMA + NAGASAKI, MALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	21	5	9	0	0	1	5	0	1
TOTAL	EXP.		9.1	5.9	4.1	0.9	0.5	0.2	0.1	0.1
	OBS./EXP.		0.550	1.523	0.000	0.000	2.183	21.501	0.000	7.209
	RELATIVE RISK		1.000	2.769	0.000	0.000	3.969	39.082	0.000	13.103
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9030	0.8088	0.2758	0.0000	0.7655	0.2456	0.9187	0.0003	0.2503
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE RISK									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE RISK									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	2	0	0	0	0	0	2	0	0
	EXP.		0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	115.239	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	0.0000	X	X	X	0.0020	X
1963-66	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	37.887	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X
1967-70	OBS.	5	1	2	0	0	1	0	0	1
	EXP.		1.8	1.6	1.1	0.3	0.1	0.1	0.0	0.0
	OBS./EXP.		0.555	1.272	0.000	0.000	7.126	0.000	0.000	20.990
	RELATIVE RISK		1.000	2.293	0.000	0.000	12.847	0.000	0.000	37.863
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8281	0.7783	0.2480	0.7641	0.7620	0.2409	0.8393	0.2529	0.2418
1971-74	OBS.	4	1	3	0	0	0	0	0	0
	EXP.		1.9	1.1	0.7	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		0.528	2.856	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	5.409	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8281	0.7783	0.7686	0.7641	0.7619	0.7624	0.8393	0.7722	0.7641
1975-78	OBS.	9	3	4	0	0	0	2	0	0
	EXP.		4.3	2.4	1.7	0.4	0.2	0.1	0.0	0.0
	OBS./EXP.		0.704	1.696	0.000	0.000	0.000	27.169	0.000	0.000
	RELATIVE RISK		1.000	2.407	0.000	0.000	0.000	38.574	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8724	0.7945	0.7765	0.0006	0.7636	0.7644	0.8874	0.0565	0.7678

TABLE 9-9 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-9

HIROSHIMA + NAGASAKI, MALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS. TOTAL	101	27	39	12	6	2	6	4	5
	EXP.	36.5	32.4	15.1	4.8	5.2	2.4	1.0	1.7	
	OBS./EXP. RELATIVE RISK	0.739	1.134	0.794	1.255	0.384	2.545	4.209	2.976	
	TEST PROB.	0.4585	0.2333	0.7072	0.0288	0.0107	0.0203	0.3289	0.2480	0.0014
		A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
		0.4585	0.2333	0.7072	0.0288	0.0107	0.0203	0.3289	0.2480	0.0014
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0
	OBS./EXP. RELATIVE R									
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
		X	X	X	X	X	X	X	X	X
1955-58	OBS. EXP.	3	0	2	1	0	0	0	0	0
	EXP.	0.8	1.1	0.5	0.2	0.2	0.1	0.0	0.1	
	OBS./EXP. RELATIVE RISK	0.000	1.846	2.143	0.000	0.000	0.000	0.000	0.000	
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
		0.2398	X	X	X	X	X	X	X	X
1959-62	OBS. EXP.	3	0	2	0	0	0	0	1	0
	EXP.	0.8	1.1	0.5	0.2	0.2	0.1	0.0	0.1	
	OBS./EXP. RELATIVE RISK	0.000	1.842	0.000	0.000	0.000	0.000	29.314	0.000	
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
		X	X	X	X	X	X	X	X	X
1963-66	OBS. EXP.	7	3	3	0	1	0	0	0	0
	EXP.	2.6	2.4	1.0	0.3	0.3	0.2	0.1	0.1	
	OBS./EXP. RELATIVE RISK	1.140	1.271	0.000	3.203	0.000	0.000	0.000	0.000	
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
		0.8567	0.2847	0.7854	0.7720	0.7673	0.7725	0.7122	0.7953	0.7790
1967-70	OBS. EXP.	13	2	7	2	0	0	2	0	0
	EXP.	4.3	4.5	2.0	0.7	0.8	0.4	0.1	0.2	
	OBS./EXP. RELATIVE RISK	0.461	1.553	1.008	0.000	0.000	5.663	0.000	0.000	
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
		0.3556	0.8254	0.8368	0.1240	0.7748	0.7849	0.3610	0.4588	0.7969
1971-74	OBS. EXP.	25	8	9	2	2	1	2	1	0
	EXP.	9.2	8.4	3.7	1.2	1.2	0.6	0.2	0.4	
	OBS./EXP. RELATIVE RISK	0.868	1.067	0.533	1.717	0.800	3.546	4.282	0.000	
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
		0.6969	0.3751	0.3621	0.2987	0.2592	0.7941	0.5757	0.4167	0.3005
1975-78	OBS. EXP.	50	14	16	7	3	1	2	2	5
	EXP.	18.7	16.8	7.5	2.3	2.4	1.1	0.4	0.4	
	OBS./EXP. RELATIVE RISK	0.748	0.953	0.934	1.322	0.409	1.843	4.479	6.491	
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
		0.4129	0.3080	0.6917	0.3033	0.0988	0.0807	0.3024	0.3984	0.0004

TABLE 9-10 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-10

HIROSHIMA + NAGASAKI, MALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	214	87 83.4	54 61.0	34 34.4	7 12.0	16 11.2	11 6.2	2 2.8	3 3.0		
	OBS./EXP. RELATIVE RISK		1.043 1.000	0.885 0.848	0.989 0.948	0.583 0.558	1.428 1.369	1.768 1.695	0.717 0.687	1.012 0.970		
	TEST PROB.	A=C? 0.5949	A=D? 0.8682	A=E? 0.2695	A=F? 0.1951	A=G? 0.7117	A=H? 0.5426	A=I? 0.7364	A=J? 0.1823	A=GH? 0.6595	HOMO. 0.2478	TREND. 0.1662
1950-54	OBS. EXP.	7	3 2.9	4 2.0	0 1.1	0 0.3	0 0.3	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.037 1.000	1.985 1.915	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.8682	A=D? 0.7954	A=E? 0.7902	A=F? 0.7751	A=G? 0.7680	A=H? 0.7708	A=I? 0.5842	A=J? 0.8023	A=GH? 0.7780	HOMO. 0.7693	TREND. 0.8261
1955-58	OBS. EXP.	2	0 0.9	1 0.6	1 0.3	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	1.721 X	3.069 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	A=C? 0.2398	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=I? 0.2398	A=J? X	A=GH? X	HOMO. 0.9037	TREND. 0.6177
1959-62	OBS. EXP.	11	4 4.5	3 3.1	2 1.8	0 0.5	1 0.5	0 0.3	0 0.1	1 0.1		
	OBS./EXP. RELATIVE RISK		0.890 1.000	0.955 1.074	1.123 1.252	0.000 0.000	1.997 2.245	0.000 0.000	0.000 0.000	7.023 7.894		
	TEST PROB.	A=C? 0.3762	A=D? 0.8022	A=E? 0.2765	A=F? 0.7785	A=G? 0.7698	A=H? 0.2515	A=I? 0.4219	A=J? 0.2979	A=GH? 0.2602	HOMO. 0.4613	TREND. 0.0912
1963-66	OBS. EXP.	27	11 11.2	9 7.7	6 4.4	0 1.3	1 1.2	0 0.6	0 0.3	0 0.3		
	OBS./EXP. RELATIVE RISK		0.980 1.000	1.167 1.191	1.375 1.602	0.000 0.000	0.868 0.886	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.4457	A=D? 0.8919	A=E? 0.7017	A=F? 0.8527	A=G? 0.8082	A=H? 0.8062	A=I? 0.4500	A=J? 0.8012	A=GH? 0.8414	HOMO. 0.8367	TREND. 0.8955
1967-70	OBS. EXP.	43	18 16.8	10 12.2	8 6.9	2 2.4	2 2.3	3 1.3	0 0.6	0 0.6		
	OBS./EXP. RELATIVE RISK		1.070 1.000	0.823 0.769	1.159 1.084	0.823 0.769	0.888 0.830	2.378 2.223	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.4460	A=D? 0.6511	A=E? 0.6590	A=F? 0.4152	A=G? 0.8230	A=H? 0.8252	A=I? 0.5261	A=J? 0.4243	A=GH? 0.8661	HOMO. 0.7414	TREND. 0.6000
1971-74	OBS. EXP.	46	17 17.7	9 13.1	6 7.4	3 2.7	6 2.5	4 1.4	0 0.6	1 0.7		
	OBS./EXP. RELATIVE RISK		0.960 1.000	0.686 0.715	0.815 0.849	1.129 1.176	2.399 2.499	2.929 3.051	0.000 0.000	1.511 1.574		
	TEST PROB.	A=C? 0.6148	A=D? 0.4860	A=E? 0.5170	A=F? 0.0883	A=G? 0.8030	A=H? 0.3089	A=I? 0.4628	A=J? 0.0631	A=GH? 0.4122	HOMO. 0.0762	TREND. 0.0294
1975-78	OBS. EXP.	78	34 29.2	18 22.5	11 12.5	2 4.8	6 4.3	4 2.4	2 1.1	1 1.1		
	OBS./EXP. RELATIVE RISK		1.163 1.000	0.800 0.688	0.879 0.756	0.418 0.359	1.392 1.197	1.684 1.448	1.749 1.504	0.873 0.751		
	TEST PROB.	A=C? 0.7519	A=D? 0.8889	A=E? 0.4416	A=F? 0.4598	A=G? 0.3804	A=H? 0.6623	A=I? 0.8569	A=J? 0.4061	A=GH? 0.4320	HOMO. 0.5456	TREND. 0.2350

TABLE 9-11 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-11

HIROSHIMA + NAGASAKI, MALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H		
1950-78 TOTAL	OBS. EXP.	1081	427 431.7	268 296.8	209 194.0	67 62.3	53 53.5	20 19.2	11 9.0	26 14.5		
	OBS./EXP. RELATIVE RISK		0.989 1.000	0.903 0.913	1.077 1.089	1.076 1.088	0.991 1.001	1.042 1.053	1.217 1.231	1.793 1.813		
	TEST PROB.	A=C? 0.2457	A=D? 0.3326	A=E? 0.4802	A=F? 0.4375	A=G? 0.3644	A=H? 0.0209	A=CD? 0.2239	A=EF? 0.4251	A=GH? 0.0320	HOMO. 0.0494	TREND. 0.0020
1950-54	OBS. EXP.	60	24 24.5	14 14.3	12 10.8	4 3.3	3 2.8	2 1.0	0 0.5	1 0.8		
	OBS./EXP. RELATIVE RISK		0.978 1.000	0.860 0.879	1.115 1.140	1.197 1.224	1.080 1.104	2.005 2.050	0.000 0.000	1.240 1.257		
	TEST PROB.	A=C? 0.4622	A=D? 0.4287	A=E? 0.4138	A=F? 0.4123	A=G? 0.8136	A=H? 0.4022	A=CD? 0.4323	A=EF? 0.4388	A=GH? 0.6830	HOMO. 0.9478	TREND. 0.3319
1955-58	OBS. EXP.	88	37 37.0	21 23.6	17 15.7	3 4.7	3 3.9	2 1.3	3 0.7	2 1.1		
	OBS./EXP. RELATIVE RISK		0.999 1.000	0.889 0.889	1.081 1.082	0.640 0.641	0.776 0.776	1.523 1.524	4.513 4.516	1.831 1.832		
	TEST PROB.	A=C? 0.4586	A=D? 0.7646	A=E? 0.6889	A=F? 0.3809	A=G? 0.1047	A=H? 0.3967	A=CD? 0.5875	A=EF? 0.5613	A=GH? 0.1161	HOMO. 0.1587	TREND. 0.0346
1959-62	OBS. EXP.	132	43 52.1	35 36.5	33 23.5	6 7.8	8 4.7	1 2.4	3 1.1	3 1.8		
	OBS./EXP. RELATIVE RISK		0.823 1.000	0.958 1.162	1.407 1.705	0.766 0.929	1.203 1.458	0.413 0.501	2.629 3.187	1.824 1.968		
	TEST PROB.	A=C? 0.0547	A=D? 0.4500	A=E? 0.2707	A=F? 0.6899	A=G? 0.1037	A=H? 0.2745	A=CD? 0.0981	A=EF? 0.3452	A=GH? 0.0819	HOMO. 0.1414	TREND. 0.0970
1963-66	OBS. EXP.	159	60 63.5	38 43.7	28 28.4	17 9.2	6 8.0	6 2.9	0 1.3	4 2.2		
	OBS./EXP. RELATIVE RISK		0.945 1.000	0.869 0.920	0.987 1.045	1.857 1.966	0.753 0.797	2.095 2.217	0.000 0.000	1.834 1.942		
	TEST PROB.	A=C? 0.4698	A=D? 0.0409	A=E? 0.6156	A=F? 0.0886	A=G? 0.8440	A=H? 0.2311	A=CD? 0.2077	A=EF? 0.3108	A=GH? 0.4823	HOMO. 0.0417	TREND. 0.0567
1967-70	OBS. EXP.	202	85 79.2	56 55.6	29 36.5	12 11.9	9 10.5	5 3.9	2 1.7	4 2.8		
	OBS./EXP. RELATIVE RISK		1.074 1.000	1.007 0.938	0.795 0.741	1.008 0.939	0.857 0.798	1.284 1.196	1.192 1.110	1.430 1.332		
	TEST PROB.	A=C? 0.8399	A=D? 0.5857	A=E? 0.6774	A=F? 0.4134	A=G? 0.3909	A=H? 0.4047	A=CD? 0.8257	A=EF? 0.5632	A=GH? 0.3727	HOMO. 0.6757	TREND. 0.2972
1971-74	OBS. EXP.	218	92 86.8	49 59.7	50 39.6	11 12.4	9 11.0	0 4.0	0 1.7	7 2.7		
	OBS./EXP. RELATIVE RISK		1.060 1.000	0.820 0.774	1.262 1.191	0.886 0.836	0.816 0.770	0.000 0.000	0.000 0.000	2.581 2.436		
	TEST PROB.	A=C? 0.2578	A=D? 0.6775	A=E? 0.7347	A=F? 0.9494	A=G? 0.8865	A=H? 0.0750	A=CD? 0.3368	A=EF? 0.8908	A=GH? 0.2845	HOMO. 0.0108	TREND. 0.3393
1975-78	OBS. EXP.	222	86 89.2	55 61.2	40 39.9	14 12.6	15 11.3	4 3.7	3 1.6	5 2.4		
	OBS./EXP. RELATIVE RISK		0.964 1.000	0.898 0.931	1.001 1.039	1.113 1.154	1.323 1.372	1.072 1.112	1.884 1.954	2.076 2.153		
	TEST PROB.	A=C? 0.4736	A=D? 0.4720	A=E? 0.2981	A=F? 0.5323	A=G? 0.4412	A=H? 0.2213	A=CD? 0.4357	A=EF? 0.3045	A=GH? 0.1745	HOMO. 0.5005	TREND. 0.0100

TABLE 9-12 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-12

HIROSHIMA + NAGASAKI, MALE, AGE ATB 50+

		T-65 TOTAL DOSE IN RAD									
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	
			A	B	C	D	E	F	G	H	
1950-78	OBS.	896	379	250	153	49	39	15	3	8	
TOTAL	EXP.		367.0	248.5	170.3	50.6	33.2	12.2	5.4	8.8	
	OBS./EXP.		1.033	1.006	0.899	0.969	1.176	1.225	0.551	0.907	
	RELATIVE RISK		1.000	0.974	0.870	0.938	1.139	1.186	0.533	0.879	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.8489	0.6558	0.3447	0.3736	0.8274	0.6665	0.8416	0.2837	0.8018	0.6492	0.5490
1950-54	OBS.	171	84	41	27	7	8	1	1	2	
	EXP.		69.9	48.5	32.3	9.0	6.4	2.2	1.0	1.8	
	OBS./EXP.		1.201	0.846	0.835	0.781	1.258	0.459	1.013	1.127	
	RELATIVE RISK		1.000	0.704	0.695	0.650	1.047	0.382	0.843	0.938	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.8688	0.8041	0.4457	0.8050	0.6008	0.5546	0.9055	0.6290	0.5950	0.4741	0.8020
1955-58	OBS.	147	71	52	27	9	6	1	0	1	
	EXP.		67.6	47.0	31.7	9.2	6.3	2.4	1.0	1.7	
	OBS./EXP.		1.050	1.106	0.851	0.973	0.952	0.422	0.000	0.589	
	RELATIVE RISK		1.000	1.053	0.810	0.927	0.907	0.401	0.000	0.560	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.7922	0.6153	0.6352	0.8222	0.8506	0.7593	0.7634	0.7393	0.8493	0.8298	0.9091
1959-62	OBS.	165	64	55	27	4	12	1	1	1	
	EXP.		69.1	45.2	30.5	9.6	6.1	2.1	1.0	1.5	
	OBS./EXP.		0.926	1.217	0.886	0.416	1.977	0.480	1.023	0.661	
	RELATIVE RISK		1.000	1.314	0.956	0.449	2.134	0.518	1.104	0.714	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.5284	0.8952	0.0551	0.7349	0.3913	0.6446	0.7240	0.1213	0.5671	0.0751	0.5624
1963-66	OBS.	162	70	42	28	11	2	5	0	4	
	EXP.		64.9	44.7	31.3	9.7	8.2	2.5	1.1	1.6	
	OBS./EXP.		1.078	0.939	0.896	1.133	0.323	2.033	0.000	2.434	
	RELATIVE RISK		1.000	0.871	0.831	1.051	0.299	1.886	0.000	2.258	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.7552	0.4760	0.9276	0.2759	0.8599	0.2453	0.7103	0.7645	0.4263	0.1317	0.1583
1967-70	OBS.	101	39	28	20	6	4	4	0	0	
	EXP.		61.8	27.0	19.4	6.1	3.7	1.5	0.6	1.0	
	OBS./EXP.		0.932	1.037	1.033	0.984	1.095	2.661	0.000	0.000	
	RELATIVE RISK		1.000	1.113	1.108	1.055	1.175	2.855	0.000	0.000	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4534	0.4392	0.4380	0.0951	0.8109	0.8363	0.4524	0.1586	0.8662	0.5294	0.5074
1971-74	OBS.	83	34	19	12	9	6	3	0	0	
	EXP.		34.0	22.0	16.4	5.0	2.9	1.3	0.6	0.8	
	OBS./EXP.		1.001	0.865	0.731	1.794	2.035	2.341	0.000	0.000	
	RELATIVE RISK		1.000	0.864	0.730	1.792	2.032	2.338	0.000	0.000	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.7658	0.1625	0.2633	0.2327	0.8177	0.8351	0.4719	0.1389	0.8693	0.1022	0.2518
1975-78	OBS.	47	17	13	12	3	1	0	1	0	
	EXP.		19.1	12.6	9.5	2.8	1.6	0.6	0.4	0.3	
	OBS./EXP.		0.888	1.028	1.260	1.058	0.644	0.000	2.399	0.000	
	RELATIVE RISK		1.000	1.158	1.419	1.191	0.725	0.000	2.703	0.000	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.3467	0.4227	0.7326	0.8459	0.2953	0.7935	0.3457	0.8090	0.3535	0.8983	0.6115

TABLE 9-13 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-13

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	2263	845	604	483	130	94	51	23	33		
TOTAL	EXP.		920.1	626.1	453.7	123.5	73.8	32.2	15.1	18.5		
	OBS./EXP.		0.918	0.965	1.065	1.053	1.274	1.583	1.522	1.781		
	RELATIVE RISK		1.000	1.051	1.159	1.146	1.387	1.724	1.657	1.939		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.0362	0.1348	0.0139	0.0020	0.0449	0.0031	0.0252	0.0003	0.0007	0.0000	0.0000
1950-54	OBS.	202	70	50	48	14	8	3	3	4		
	EXP.		81.3	56.7	41.2	11.1	6.2	2.6	1.3	1.6		
	OBS./EXP.		0.861	0.881	1.165	1.261	1.290	1.900	2.356	2.358		
	RELATIVE RISK		1.000	1.024	1.352	1.465	1.498	2.207	2.771	2.971		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.1798	0.1956	0.2763	0.1894	0.1906	0.1093	0.1201	0.1398	0.0379	0.0641	0.0004
1955-58	OBS.	259	110	75	47	12	7	5	0	3		
	EXP.		102.4	73.7	53.2	14.4	8.2	3.5	1.7	2.0		
	OBS./EXP.		1.074	1.018	0.884	0.832	0.855	1.414	0.000	1.524		
	RELATIVE RISK		1.000	0.948	0.823	0.774	0.796	1.316	0.000	1.419		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.7447	0.7047	0.6346	0.3189	0.5714	0.4265	0.7826	0.4660	0.6209	0.6926	0.5295
1959-62	OBS.	307	112	86	62	24	15	1	3	4		
	EXP.		129.2	82.6	61.8	16.7	8.9	3.8	1.8	2.1		
	OBS./EXP.		0.867	1.042	1.003	1.433	1.690	0.261	1.634	1.881		
	RELATIVE RISK		1.000	1.202	1.157	1.653	1.950	0.301	1.886	2.169		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.3055	0.0458	0.0378	0.8537	0.3445	0.2051	0.1265	0.1360	0.1307	0.0422	0.0342
1963-66	OBS.	325	122	87	74	17	11	6	2	6		
	EXP.		137.3	86.9	64.9	17.1	9.8	4.4	2.1	2.5		
	OBS./EXP.		0.889	1.001	1.141	0.992	1.118	1.366	0.975	2.410		
	RELATIVE RISK		1.000	1.126	1.284	1.117	1.258	1.537	1.097	2.713		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.1296	0.6349	0.3237	0.2766	0.4053	0.0530	0.1529	0.1975	0.0914	0.2610	0.0124
1967-70	OBS.	354	125	88	91	21	10	9	3	7		
	EXP.		144.9	97.2	70.4	19.1	11.8	5.3	2.4	3.0		
	OBS./EXP.		0.863	0.906	1.292	1.102	0.847	1.694	1.234	2.360		
	RELATIVE RISK		1.000	1.050	1.497	1.277	0.982	1.963	1.430	2.735		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.0232	0.2027	0.4543	0.0702	0.4233	0.0314	0.0227	0.1860	0.0430	0.0097	0.0026
1971-74	OBS.	398	154	110	77	16	23	8	6	4		
	EXP.		158.2	112.9	78.9	21.8	13.8	6.2	2.8	3.4		
	OBS./EXP.		0.973	0.974	0.976	0.733	1.667	1.297	2.163	1.174		
	RELATIVE RISK		1.000	1.001	1.003	0.753	1.713	1.333	2.222	1.208		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.4804	0.8279	0.0659	0.3463	0.1360	0.4230	0.6271	0.0524	0.1787	0.0839	0.0189
1975-78	OBS.	418	152	108	84	26	20	17	8	5		
	EXP.		168.5	116.2	82.9	22.6	14.8	6.3	3.0	3.7		
	OBS./EXP.		0.902	0.930	1.014	1.149	1.351	2.682	2.017	1.342		
	RELATIVE RISK		1.000	1.030	1.124	1.274	1.497	2.973	2.236	1.488		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	NOMO.	TREND.
	PROB.	0.2996	0.2562	0.1746	0.0009	0.1242	0.3437	0.2329	0.0069	0.1049	0.0004	0.0001

TABLE 9-14 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-14

HIRAKAWA + NAGASAKI, FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	27	10	6	4	1	2	3	0	1
TOTAL	EXP.		11.0	8.1	5.3	1.3	0.7	0.3	0.1	0.2
	OBS./EXP.		0.907	0.745	0.756	0.800	2.834	9.230	0.000	4.766
	RELATIVE RISK		1.000	0.822	0.834	0.882	3.126	10.179	0.000	5.257
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6768	0.6378	0.3328	0.0345	0.7793	0.2651	0.6610	0.0438	0.2846
									HOMO.	TREND.
									0.0002	0.0002
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									X	X
1955-58	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	44.026	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X
									HOMO.	TREND.
									0.0000	0.0065
1959-62	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		2.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8266	0.7782	0.7703	0.7645	0.7621	0.7627	0.8379	0.7743	0.7645
									HOMO.	TREND.
									0.5923	0.5952
1963-66	OBS.	1	0	0	0	0	0	0	0	1
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	0.000	0.000	193.496
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	0.2398	X	X	0.2398
									HOMO.	TREND.
									0.0000	0.0000
1967-70	OBS.	3	2	0	0	0	1	0	0	0
	EXP.		1.1	0.9	0.6	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.760	0.000	0.000	0.000	11.866	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	6.744	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9036	0.8195	0.2574	0.7827	0.7700	0.7775	0.9197	0.2667	0.7861
									HOMO.	TREND.
									0.0873	0.2673
1971-74	OBS.	9	2	3	2	0	1	1	0	0
	EXP.		3.7	2.7	1.8	0.4	0.2	0.1	0.0	0.1
	OBS./EXP.		0.544	1.117	1.132	0.000	4.275	9.301	0.000	0.000
	RELATIVE RISK		1.000	2.051	2.080	0.000	7.852	17.084	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3542	0.7864	0.2504	0.2440	0.7630	0.7638	0.3537	0.0463	0.7665
									HOMO.	TREND.
									0.1220	0.6888
1975-78	OBS.	12	5	3	2	1	0	1	0	0
	EXP.		5.1	3.3	2.3	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		0.984	0.857	0.867	1.853	0.000	7.500	0.000	0.000
	RELATIVE RISK		1.000	0.871	0.881	1.882	0.000	7.621	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6208	0.3250	0.8068	0.2650	0.7717	0.7791	0.4265	0.3399	0.7889
									HOMO.	TREND.
									0.4731	0.2731

TABLE 9-15 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-15

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 10-19

YEAR	CLASS	Y-65 TOTAL DOSE IN RAO								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	120	39	26	20	5	14	5	7	4
TOTAL	EXP.		44.5	33.8	20.6	7.1	7.5	3.6	1.5	1.4
	OBS./EXP.		0.877	0.768	0.969	0.704	1.876	1.403	4.707	2.797
	RELATIVE RISK		1.000	0.876	1.105	0.803	2.139	1.600	5.367	3.189
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4367	0.6831	0.0694	0.2578	0.0016	0.0849	0.4640	0.0427	0.0007
1950-54	OBS.	2	1	0	0	0	0	0	1	0
	EXP.		0.9	0.5	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.077	0.000	0.000	0.000	0.000	0.000	66.283	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	62.956	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8265	0.7802	0.7753	0.7462	0.2423	0.7648	0.8391	0.7807	0.2447
1955-58	OBS.	6	3	2	1	0	0	0	0	0
	EXP.		2.3	1.7	1.0	0.3	0.4	0.2	0.1	0.1
	OBS./EXP.		1.308	1.203	0.963	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.920	0.737	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7133	0.8287	0.8393	0.8081	0.7771	0.7770	0.7869	0.8635	0.7919
1959-62	OBS.	7	2	3	2	0	0	0	0	0
	EXP.		2.8	1.9	1.2	0.4	0.4	0.2	0.1	0.1
	OBS./EXP.		0.726	1.570	1.643	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	2.162	2.282	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4011	0.7894	0.7823	0.7691	0.7677	0.7672	0.3643	0.7899	0.7742
1963-66	OBS.	10	3	2	3	0	2	0	0	0
	EXP.		3.7	2.8	1.7	0.6	0.6	0.3	0.1	0.1
	OBS./EXP.		0.819	0.706	1.744	0.000	3.152	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.861	2.129	0.000	3.847	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4494	0.8291	0.3613	0.8077	0.7773	0.7772	0.3867	0.3915	0.7923
1967-70	OBS.	25	6	6	4	3	1	2	1	2
	EXP.		9.2	7.1	4.3	1.5	1.6	0.8	0.3	0.3
	OBS./EXP.		0.655	0.846	0.932	2.001	0.632	2.651	3.169	6.621
	RELATIVE RISK		1.000	1.291	1.423	3.055	0.965	4.048	4.838	10.108
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4324	0.1856	0.4725	0.2108	0.2599	0.0314	0.2544	0.3853	0.0171
1971-74	OBS.	29	10	8	4	0	4	1	2	0
	EXP.		10.5	8.3	5.0	1.8	1.9	0.9	0.4	0.3
	OBS./EXP.		0.948	0.968	0.804	0.000	2.147	1.122	5.484	0.000
	RELATIVE RISK		1.000	1.020	0.848	0.000	2.263	1.183	5.782	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5720	0.8774	0.2638	0.3250	0.1291	0.7941	0.7045	0.2471	0.3126
1975-78	OBS.	41	14	5	6	2	7	2	3	2
	EXP.		15.2	11.6	7.0	2.4	2.5	1.2	0.5	0.5
	OBS./EXP.		0.924	0.430	0.854	0.817	2.748	1.634	6.025	4.154
	RELATIVE RISK		1.000	0.466	0.925	0.885	2.975	1.769	6.322	4.497
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6237	0.6709	0.0941	0.4029	0.0384	0.1868	0.6633	0.0694	0.0125

TABLE 9-16 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-16

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 20-34

		T-85 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	417	141	106	90	28	19	18	4	11
TOTAL	EXP.		163.7	118.6	79.0	24.1	15.8	6.8	3.7	5.2
	OBS./EXP.		0.861	0.894	1.139	1.161	1.202	2.636	1.073	2.107
	RELATIVE RISK		1.000	1.038	1.323	1.348	1.395	3.060	1.245	2.446
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=GH?	HOMO.	TREND.
	PROB.	0.0749	0.2570	0.2612	0.0015	0.4236	0.0383	0.0683	0.0117	0.0676
1950-54	OBS.	22	7	7	6	0	1	1	0	0
	EXP.		8.8	6.2	4.2	1.3	0.8	0.3	0.2	0.3
	OBS./EXP.		0.795	1.134	1.445	0.000	1.259	2.907	0.000	0.000
	RELATIVE RISK		1.000	1.428	1.819	0.000	1.585	3.659	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=GH?	HOMO.	TREND.
	PROB.	0.2763	0.8388	0.2988	0.2715	0.7728	0.7201	0.4121	0.4817	0.7910
1955-58	OBS.	32	12	11	4	2	0	1	0	2
	EXP.		12.0	9.3	6.1	1.9	1.3	0.6	0.3	0.4
	OBS./EXP.		0.997	1.178	0.655	1.049	0.000	1.731	0.000	4.625
	RELATIVE RISK		1.000	1.181	0.656	1.052	0.000	1.736	0.000	4.637
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=GH?	HOMO.	TREND.
	PROB.	0.7231	0.4173	0.8701	0.3140	0.7968	0.2106	0.6543	0.7303	0.3972
1959-62	OBS.	35	15	9	3	1	3	0	1	3
	EXP.		13.9	9.9	6.6	2.0	1.3	0.6	0.3	0.4
	OBS./EXP.		1.081	0.910	0.454	0.494	2.308	0.000	3.245	6.932
	RELATIVE RISK		1.000	0.842	0.420	0.457	2.135	0.000	3.002	6.413
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=GH?	HOMO.	TREND.
	PROB.	0.9024	0.8049	0.4338	0.8398	0.2928	0.0474	0.9144	0.4010	0.0443
1963-66	OBS.	64	20	20	12	5	0	4	0	3
	EXP.		25.4	18.0	12.1	3.7	2.4	1.0	0.6	0.8
	OBS./EXP.		0.788	1.108	0.991	1.352	0.000	3.884	0.000	3.786
	RELATIVE RISK		1.000	1.406	1.258	1.716	0.000	4.928	0.000	4.804
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=GH?	HOMO.	TREND.
	PROB.	0.3754	0.3971	0.9020	0.0310	0.8126	0.0759	0.3233	0.3986	0.2140
1967-70	OBS.	61	17	12	20	6	4	0	1	1
	EXP.		23.3	17.6	11.6	3.6	2.4	1.1	0.6	0.8
	OBS./EXP.		0.730	0.680	1.720	1.680	1.637	0.000	1.733	1.293
	RELATIVE RISK		1.000	0.932	2.358	2.303	2.263	0.000	2.376	1.772
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=GH?	HOMO.	TREND.
	PROB.	0.0368	0.1527	0.2423	0.8305	0.2977	0.3246	0.0294	0.4073	0.3946
1971-74	OBS.	96	31	27	23	4	6	3	1	1
	EXP.		38.1	27.2	18.1	5.5	3.6	1.5	0.8	1.2
	OBS./EXP.		0.815	0.993	1.270	0.726	1.669	1.954	1.197	0.864
	RELATIVE RISK		1.000	1.218	1.559	0.891	2.049	2.399	1.469	1.061
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=GH?	HOMO.	TREND.
	PROB.	0.1481	0.7331	0.2734	0.4236	0.4299	0.6267	0.2339	0.1756	0.5500
1975-78	OBS.	107	39	20	22	10	5	9	1	1
	EXP.		42.5	30.3	20.2	6.1	4.0	1.7	0.9	1.3
	OBS./EXP.		0.918	0.659	1.086	1.650	1.246	5.385	1.076	0.782
	RELATIVE RISK		1.000	0.718	1.183	1.796	1.357	5.863	1.172	0.852
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=GH?	HOMO.	TREND.
	PROB.	0.3736	0.1670	0.4448	0.0001	0.3623	0.5782	0.2550	0.0136	0.4140

TABLE 9-17 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-17

MIYOSHIKAWA + NAGASAKI, FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	985	352	291	217	57	32	17	9	10
TOTAL	EXP.		396.8	287.7	205.5	52.6	33.0	14.0	6.5	8.7
	OBS./EXP.		0.887	1.087	1.056	1.083	0.969	1.212	1.374	1.147
	RELATIVE RISK		1.000	1.225	1.190	1.221	1.093	1.366	1.549	1.293
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0759	0.1432	0.3451	0.1720	0.2064	0.3133	0.0484	0.1712	0.0841
1950-54	OBS.	89	27	27	21	8	2	2	1	1
	EXP.		35.3	24.5	18.7	4.8	3.0	1.3	0.6	0.8
	OBS./EXP.		0.765	1.104	1.122	1.677	0.657	1.538	1.628	1.227
	RELATIVE RISK		1.000	1.443	1.467	2.193	0.859	2.010	2.128	1.604
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2057	0.1271	0.6504	0.4034	0.3135	0.3520	0.1125	0.4180	0.5553
1955-58	OBS.	103	46	28	22	2	3	2	0	0
	EXP.		41.3	28.0	21.6	5.5	3.5	1.5	0.7	0.9
	OBS./EXP.		1.114	0.999	1.021	0.361	0.864	1.352	0.000	0.000
	RELATIVE RISK		1.000	0.896	0.916	0.324	0.776	1.214	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5518	0.8749	0.6150	0.4034	0.8135	0.8250	0.7029	0.4387	0.8598
1959-62	OBS.	120	38	38	25	10	6	1	1	1
	EXP.		48.8	32.2	25.0	6.4	4.0	1.7	0.8	1.1
	OBS./EXP.		0.779	1.179	1.000	1.553	1.494	0.599	1.246	0.948
	RELATIVE RISK		1.000	1.513	1.285	1.994	1.918	0.770	1.600	1.217
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2234	0.0825	0.1575	0.6110	0.3311	0.3578	0.1084	0.2054	0.3812
1963-66	OBS.	124	45	39	26	9	3	1	1	0
	EXP.		50.5	33.3	25.8	6.6	4.1	1.7	0.8	1.1
	OBS./EXP.		0.892	1.172	1.006	1.359	0.728	0.574	1.226	0.000
	RELATIVE RISK		1.000	1.314	1.128	1.524	0.816	0.644	1.375	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4470	0.2557	0.6236	0.7052	0.3471	0.8407	0.3200	0.6779	0.7101
1967-70	OBS.	168	58	45	46	7	6	4	1	3
	EXP.		68.0	45.4	35.0	9.0	5.6	2.4	1.1	1.5
	OBS./EXP.		0.853	0.992	1.315	0.777	0.709	1.661	0.892	1.956
	RELATIVE RISK		1.000	1.163	1.541	0.911	0.831	1.946	1.045	2.292
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0917	0.5553	0.6089	0.2393	0.4079	0.2436	0.1285	0.4039	0.2809
1971-74	OBS.	174	69	47	33	10	7	2	3	3
	EXP.		69.4	48.1	36.3	9.2	5.8	2.6	1.1	1.5
	OBS./EXP.		0.995	0.977	0.910	1.085	1.201	0.780	2.656	1.987
	RELATIVE RISK		1.000	0.982	0.915	1.091	1.207	0.785	2.671	1.998
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6331	0.4568	0.4106	0.6265	0.1820	0.3230	0.5963	0.4517	0.1121
1975-78	OBS.	207	69	67	44	11	7	5	2	2
	EXP.		84.3	56.4	42.9	10.9	6.8	2.8	1.3	1.7
	OBS./EXP.		0.819	1.188	1.026	1.010	1.034	1.780	1.546	1.196
	RELATIVE RISK		1.000	1.452	1.253	1.234	1.243	2.175	1.889	1.461
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2306	0.3952	0.4758	0.1861	0.3938	0.3836	0.2027	0.2236	0.3983

TABLE 9-18 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA
HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 50+

TABLE 9-18

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	714	303	175	152	39	27	8	3	7
	EXP.	304.1		197.8	143.2	38.4	16.8	7.5	3.2	2.9
	OBS./EXP. RELATIVE RISK	0.996 1.000	0.885 0.888	1.061 1.065	1.015 1.019	1.609 1.615	1.070 1.074	0.934 0.938	2.374 2.383	
	TEST PROB.	A=C? 0.3809	A=D? 0.4034	A=E? 0.0332	A=F? 0.4472	A=G? 0.4394	A=H? 0.0557	A=I? 0.3675	A=J? 0.0488	A=K? 0.1261
										HOMO. 0.0344
										TREND. 0.0036
1950-54	OBS. EXP.	89	35	16	21	6	5	2	1	3
		36.3		25.6	18.0	5.0	2.3	1.0	0.4	0.4
	OBS./EXP. RELATIVE RISK	0.965 1.000	0.625 0.647	1.167 1.209	1.205 1.248	2.178 2.257	2.082 2.157	2.312 2.396	6.674 6.915	
	TEST PROB.	A=C? 0.4834	A=D? 0.4195	A=E? 0.1921	A=F? 0.4525	A=G? 0.2933	A=H? 0.0249	A=I? 0.3935	A=J? 0.1505	A=K? 0.0344
										HOMO. 0.0011
										TREND. 0.0000
1955-58	OBS. EXP.	117	49	34	20	8	4	1	0	1
		46.6		34.2	24.2	6.6	3.0	1.3	0.6	0.5
	OBS./EXP. RELATIVE RISK	1.052 1.000	0.993 0.944	0.826 0.786	1.215 1.155	1.321 1.256	0.773 0.737	0.000 0.000	1.931 1.836	
	TEST PROB.	A=C? 0.7411	A=D? 0.4741	A=E? 0.4413	A=F? 0.6073	A=G? 0.8109	A=H? 0.3098	A=I? 0.6835	A=J? 0.4859	A=K? 0.5715
										HOMO. 0.9215
										TREND. 0.4182
1959-62	OBS. EXP.	144	56	36	32	13	6	0	1	0
		63.3		38.2	28.8	7.9	3.2	1.4	0.6	0.6
	OBS./EXP. RELATIVE RISK	0.885 1.000	0.941 1.064	1.110 1.255	1.655 1.871	1.904 2.152	0.000 0.000	1.569 1.774	0.000 0.000	
	TEST PROB.	A=C? 0.3468	A=D? 0.0670	A=E? 0.1042	A=F? 0.8517	A=G? 0.3086	A=H? 0.8045	A=I? 0.1727	A=J? 0.2569	A=K? 0.4365
										HOMO. 0.2154
										TREND. 0.3164
1963-66	OBS. EXP.	126	54	26	33	3	6	1	1	2
		57.3		32.5	25.0	6.2	2.7	1.3	0.5	0.5
	OBS./EXP. RELATIVE RISK	0.942 1.000	0.800 0.849	1.320 1.401	0.486 0.516	2.246 2.385	0.765 0.812	1.846 1.940	4.272 4.536	
	TEST PROB.	A=C? 0.1715	A=D? 0.7997	A=E? 0.0889	A=F? 0.5717	A=G? 0.2958	A=H? 0.1369	A=I? 0.2870	A=J? 0.1470	A=K? 0.1124
										HOMO. 0.0307
										TREND. 0.0122
1967-70	OBS. EXP.	97	42	25	21	5	0	3	0	1
		43.3		26.1	18.9	4.8	2.0	1.0	0.4	0.3
	OBS./EXP. RELATIVE RISK	0.970 1.000	0.957 0.986	1.110 1.144	1.036 1.068	0.000 0.000	2.873 2.962	0.000 0.000	3.031 3.124	
	TEST PROB.	A=C? 0.3610	A=D? 0.4354	A=E? 0.8752	A=F? 0.1327	A=G? 0.7886	A=H? 0.2675	A=I? 0.3634	A=J? 0.4130	A=K? 0.3084
										HOMO. 0.3448
										TREND. 0.1808
1971-74	OBS. EXP.	90	42	25	15	2	5	1	0	0
		36.6		26.6	17.8	4.9	2.3	1.1	0.4	0.3
	OBS./EXP. RELATIVE RISK	1.143 1.000	0.938 0.817	0.843 0.735	0.406 0.353	2.198 1.914	0.935 0.814	0.000 0.000	0.000 0.000	
	TEST PROB.	A=C? 0.7948	A=D? 0.8898	A=E? 0.2693	A=F? 0.6158	A=G? 0.8074	A=H? 0.7987	A=I? 0.8754	A=J? 0.3333	A=K? 0.8346
										HOMO. 0.4042
										TREND. 0.6802
1975-78	OBS. EXP.	51	25	13	10	2	1	0	0	0
		21.5		14.3	10.4	2.7	1.2	0.5	0.2	0.2
	OBS./EXP. RELATIVE RISK	1.163 1.000	0.906 0.779	0.964 0.829	0.743 0.639	0.846 0.728	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	A=C? 0.6732	A=D? 0.6924	A=E? 0.5510	A=F? 0.8066	A=G? 0.7783	A=H? 0.7797	A=I? 0.7068	A=J? 0.6913	A=K? 0.7945
										HOMO. 0.9646
										TREND. 0.8565

TABLE 9-19 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-19

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	3659	1589	896	698	189	136	74	26	51
TOTAL	EXP.		1653.4	943.4	680.0	181.0	113.2	39.9	19.3	28.9
	OBS./EXP.		0.961	0.950	1.027	1.044	1.201	1.856	1.347	1.764
	RELATIVE RISK		1.000	0.988	1.068	1.087	1.250	1.931	1.402	1.836
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1545	0.2310	0.0412	0.0000	0.1255	0.0013	0.1236	0.0003	0.0010
1950-54	OBS.	360	166	83	66	21	14	4	3	3
	EXP.		162.7	93.2	66.7	18.0	11.1	3.7	1.9	2.8
	OBS./EXP.		1.020	0.891	0.990	1.170	1.264	1.068	1.614	1.064
	RELATIVE RISK		1.000	0.873	0.970	1.146	1.239	1.047	1.582	1.042
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.5705	0.3701	0.3453	0.4637	0.4336	0.4522	0.4813	0.3534	0.4399
1955-58	OBS.	419	199	106	70	20	12	7	2	3
	EXP.		189.5	107.6	78.1	21.2	12.8	4.5	2.2	3.2
	OBS./EXP.		1.050	0.985	0.896	0.942	0.939	1.573	0.930	0.947
	RELATIVE RISK		1.000	0.938	0.853	0.897	0.894	1.498	0.885	0.901
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.8103	0.6589	0.6288	0.2838	0.6036	0.5922	0.8123	0.4907	0.6080
1959-62	OBS.	523	212	139	100	29	27	5	4	7
	EXP.		236.6	133.7	97.7	27.1	15.9	5.5	2.7	3.8
	OBS./EXP.		0.896	1.040	1.024	1.070	1.699	0.902	1.490	1.847
	RELATIVE RISK		1.000	1.160	1.142	1.195	1.897	1.007	1.663	2.061
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2296	0.2684	0.0150	0.4764	0.3311	0.1287	0.1929	0.0314	0.0947
1963-66	OBS.	560	241	137	111	30	17	12	2	10
	EXP.		253.8	143.1	104.6	27.9	17.2	6.3	2.8	4.3
	OBS./EXP.		0.950	0.957	1.061	1.076	0.988	1.905	0.705	2.312
	RELATIVE RISK		1.000	1.008	1.117	1.133	1.041	2.006	0.743	2.434
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2576	0.3556	0.4667	0.0602	0.6745	0.0319	0.2333	0.1946	0.1028
1967-70	OBS.	558	243	136	111	27	16	14	2	9
	EXP.		253.2	142.3	104.2	27.3	17.4	6.3	2.8	4.4
	OBS./EXP.		0.960	0.956	1.065	0.989	0.921	2.230	0.712	2.024
	RELATIVE RISK		1.000	0.996	1.110	1.031	0.960	2.324	0.742	2.109
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2747	0.4769	0.5866	0.0181	0.6710	0.0773	0.2903	0.1792	0.1731
1971-74	OBS.	595	267	132	119	27	25	11	6	8
	EXP.		268.7	153.7	111.1	28.8	18.4	6.6	3.1	4.8
	OBS./EXP.		0.994	0.859	1.071	0.939	1.362	1.677	1.956	1.683
	RELATIVE RISK		1.000	0.864	1.078	0.945	1.371	1.688	1.969	1.696
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.3275	0.5995	0.1617	0.1431	0.1631	0.1845	0.3822	0.0740	0.0742
1975-78	OBS.	644	261	163	121	35	25	21	7	11
	EXP.		288.9	169.7	119.4	30.5	20.3	6.8	3.4	4.9
	OBS./EXP.		0.903	0.960	1.014	1.147	1.232	3.073	2.032	2.245
	RELATIVE RISK		1.000	1.063	1.122	1.270	1.363	3.401	2.249	2.485
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2416	0.1902	0.1696	0.0000	0.0964	0.0249	0.1706	0.0028	0.0073

TABLE 9-20 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-20

HIROSHIMA, MALE + FEMALE, AGE ATB 0-9

		T-65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS. TOTAL	39	13 18.3	13 10.4	3 7.2	1 1.6	2 0.8	5 0.3	0 0.2	2 0.2		
	OBS./EXP. RELATIVE RISK		0.710 1.000	1.246 1.756	0.419 0.591	0.625 0.881	2.521 3.553	14.476 20.402	0.000 0.000	10.197 14.372		
	TEST PROB.	A=C? 0.7751	A=D? 0.6020	A=E? 0.2625	A=F? 0.0000	A=G? 0.7725	A=H? 0.0134	A=CD? 0.7595	A=EF? 0.0002	A=GH? 0.0670	HOMO. 0.0000	TREND. 0.0000
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X	HOMO. X	TREND. X
1955-58	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X	HOMO. X	TREND. X
1959-62	OBS. EXP.	3	1 1.4	0 0.8	0 0.6	0 0.1	0 0.1	2 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.708 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	75.464 106.610	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.8266	A=D? 0.7782	A=E? 0.7703	A=F? 0.0000	A=G? 0.7621	A=H? 0.7627	A=CD? 0.8379	A=EF? 0.0150	A=GH? 0.7645	HOMO. 0.0000	TREND. 0.0000
1963-66	OBS. EXP.	1	0 0.5	0 0.3	0 0.2	0 0.0	0 0.0	0 0.0	0 0.0	1 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	193.495 X		
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? 0.2398	A=CD? X	A=EF? X	A=GH? 0.2398	HOMO. 0.0000	TREND. 0.0000
1967-70	OBS. EXP.	5	2 2.4	1 1.3	0 0.9	0 0.2	1 0.1	0 0.0	0 0.0	1 0.0		
	OBS./EXP. RELATIVE RISK		0.850 1.000	0.750 0.882	0.000 0.000	0.000 0.000	10.111 11.891	0.000 0.000	0.000 0.000	40.579 47.723		
	TEST PROB.	A=C? 0.8514	A=D? 0.7865	A=E? 0.2498	A=F? 0.7663	A=G? 0.7630	A=H? 0.2421	A=CD? 0.8651	A=EF? 0.2543	A=GH? 0.2439	HOMO. 0.0000	TREND. 0.0000
1971-74	OBS. EXP.	11	3 3.2	5 2.9	1 2.0	0 0.5	1 0.2	1 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		0.581 1.000	1.695 2.917	0.496 0.853	0.000 0.000	4.410 7.589	10.300 17.724	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.6145	A=D? 0.7942	A=E? 0.2553	A=F? 0.2461	A=G? 0.7638	A=H? 0.7648	A=CD? 0.6787	A=EF? 0.0742	A=GH? 0.7683	HOMO. 0.0440	TREND. 0.0874
1975-78	OBS. EXP.	19	7 8.9	7 5.1	2 3.5	1 0.8	0 0.4	2 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.783 1.000	1.380 1.762	0.572 0.730	1.290 1.634	0.000 0.000	12.303 15.704	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.6808	A=D? 0.3296	A=E? 0.7942	A=F? 0.0132	A=G? 0.7673	A=H? 0.7692	A=CD? 0.6003	A=EF? 0.1936	A=GH? 0.7258	HOMO. 0.0016	TREND. 0.0872

TABLE 9-21 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-21

HIROSHIMA, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	140	54	34	22	4	6	6	7	7
TOTAL	EXP.		63.7	39.4	22.5	5.4	4.3	1.8	1.3	1.6
	OBS./EXP.		0.847	0.863	0.977	0.739	1.393	3.403	5.490	4.464
	RELATIVE RISK		1.000	1.018	1.154	0.872	1.645	4.017	6.481	5.279
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3905	0.6251	0.2739	0.0148	0.0003	0.0014	0.4366	0.0329	0.0000
1950-54	OBS.	2	1	0	0	0	0	0	1	0
	EXP.		0.9	0.5	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.077	0.000	0.000	0.000	0.000	0.000	46.283	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	42.956	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8265	0.7802	0.7753	0.7662	0.2423	0.7643	0.8391	0.7807	0.0000
1955-58	OBS.	5	2	3	0	0	0	0	0	0
	EXP.		2.3	1.3	0.9	0.2	0.2	0.1	0.1	0.1
	OBS./EXP.		0.871	2.296	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	2.637	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8505	0.7893	0.7825	0.7690	0.7677	0.7671	0.8658	0.7901	0.7742
1959-62	OBS.	6	2	2	2	0	0	0	0	0
	EXP.		2.8	1.6	1.0	0.3	0.2	0.1	0.1	0.1
	OBS./EXP.		0.725	1.285	1.934	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.772	2.667	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4011	0.7894	0.7823	0.7691	0.7677	0.7672	0.3643	0.7899	0.7742
1963-66	OBS.	11	5	3	2	0	1	0	0	0
	EXP.		5.0	3.1	1.8	0.4	0.3	0.1	0.1	0.1
	OBS./EXP.		0.999	0.973	1.125	0.000	2.948	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.974	1.127	0.000	2.953	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4108	0.9059	0.2822	0.7775	0.7725	0.7765	0.5920	0.3041	0.7873
1967-70	OBS.	22	6	5	4	2	0	2	1	2
	EXP.		10.1	6.0	3.7	0.9	0.7	0.3	0.2	0.2
	OBS./EXP.		0.595	0.840	1.095	2.230	0.000	7.208	4.676	8.403
	RELATIVE RISK		1.000	1.411	1.839	3.746	0.000	12.107	7.854	14.115
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3754	0.2831	0.8059	0.0333	0.2552	0.0176	0.2380	0.2926	0.0084
1971-74	OBS.	34	15	8	6	0	2	1	2	0
	EXP.		15.5	9.6	5.4	1.3	1.0	0.4	0.3	0.4
	OBS./EXP.		0.969	0.829	1.107	0.000	1.935	2.350	6.516	0.000
	RELATIVE RISK		1.000	0.856	1.142	0.000	1.998	2.426	6.727	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4302	0.8612	0.4302	0.2937	0.0954	0.7973	0.5992	0.3172	0.3028
1975-78	OBS.	60	23	13	8	2	3	3	3	5
	EXP.		27.3	17.4	9.4	2.2	1.8	0.7	0.5	0.7
	OBS./EXP.		0.844	0.747	0.852	0.895	1.675	4.033	5.855	7.641
	RELATIVE RISK		1.000	0.886	1.009	1.061	1.986	4.781	6.940	9.058
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4695	0.4296	0.3376	0.0666	0.0227	0.0004	0.4571	0.0812	0.0000

TABLE 9-22 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-22

HIROSHIMA, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	A	B	C	D	E	F	G	H
1950-78	OBS.	480	192	120	100	20	18	16	3	11
TOTAL	EXP.		213.8	129.1	85.1	23.4	14.3	5.9	3.4	5.1
	OBS./EXP.		0.898	0.929	1.175	0.856	1.261	2.718	0.893	2.169
	RELATIVE RISK		1.000	1.035	1.308	0.953	1.604	3.026	0.994	2.393
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.0656	0.5681	0.1985	0.0015	0.5387	0.0307	0.1079	0.0101	0.0000
1950-54	OBS.	24	10	8	5	0	1	0	0	0
	EXP.		10.7	6.4	4.3	1.2	0.7	0.3	0.2	0.3
	OBS./EXP.		0.938	1.249	1.162	0.000	1.415	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.332	1.239	0.000	1.509	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.4251	0.9541	0.3413	0.7906	0.7783	0.7871	0.5569	0.4311	0.9202
1955-58	OBS.	25	40	6	5	2	0	1	0	1
	EXP.		11.2	6.5	4.6	1.3	0.7	0.3	0.2	0.3
	OBS./EXP.		0.897	0.918	1.095	1.526	0.000	3.539	0.000	3.741
	RELATIVE RISK		1.000	1.024	1.221	1.702	0.000	3.947	0.000	4.173
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.4234	0.3828	0.8214	0.2694	0.7773	0.2685	0.4464	0.6018	0.6253
1959-62	OBS.	37	16	8	6	1	3	0	1	6
	EXP.		16.5	9.9	6.6	1.8	1.1	0.4	0.3	0.4
	OBS./EXP.		0.971	0.812	0.603	0.341	2.768	0.000	3.904	10.124
	RELATIVE RISK		1.000	0.836	0.622	0.557	2.852	0.000	4.021	10.430
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.7744	0.7361	0.2045	0.8638	0.2698	0.0009	0.7972	0.3367	0.0015
1963-66	OBS.	74	25	22	17	2	1	4	0	3
	EXP.		33.0	19.8	13.1	3.4	2.2	0.9	0.5	0.8
	OBS./EXP.		0.757	1.110	1.294	0.553	0.459	4.366	0.000	3.791
	RELATIVE RISK		1.000	1.466	1.709	0.730	0.606	5.766	0.000	5.007
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.1354	0.6856	0.7174	0.0142	0.7994	0.0578	0.2026	0.1939	0.1730
1967-70	OBS.	76	29	18	20	6	3	0	0	0
	EXP.		33.9	20.6	13.3	3.6	2.3	1.0	0.5	0.8
	OBS./EXP.		0.855	0.875	1.504	1.665	1.302	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.023	1.758	1.946	1.523	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.1010	0.1916	0.4533	0.8342	0.8065	0.8242	0.0733	0.4375	0.8545
1971-74	OBS.	108	40	27	26	3	6	3	1	2
	EXP.		48.2	29.0	19.2	5.3	3.2	1.3	0.7	1.1
	OBS./EXP.		0.829	0.932	1.337	0.570	1.878	2.319	1.336	1.753
	RELATIVE RISK		1.000	1.124	1.637	0.687	2.265	2.796	1.612	2.114
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.0961	0.7100	0.1360	0.2096	0.3361	0.4748	0.1661	0.0644	0.3536
1975-78	OBS.	136	62	31	23	6	4	8	1	1
	EXP.		60.4	37.1	23.9	6.4	4.1	1.7	0.9	1.4
	OBS./EXP.		1.026	0.835	0.961	0.937	0.977	4.830	1.054	0.705
	RELATIVE RISK		1.000	0.814	0.936	0.913	0.952	4.707	1.027	0.687
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.6008	0.5975	0.5756	0.0017	0.4709	0.6860	0.6139	0.0719	0.6429

TABLE 9-23 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-23

HIROSHIMA, MALE + FEMALE, AGE AYD 35-49

YEAR	CLASS	T=45 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	1632	692	392	331	92	62	29	11	23
	EXP.		232.9	411.6	310.2	79.7	57.1	18.4	8.3	13.7
	OBS./EXP.		0.944	0.952	1.067	1.154	1.086	1.573	1.318	1.679
	RELATIVE RISK		1.000	1.009	1.130	1.222	1.150	1.666	1.395	1.778
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0977	0.1056	0.2550	0.0332	0.2585	0.0351	0.0558	0.0699	0.0289
									MONO.	TREND.
									0.0051	0.0000
1950-54	OBS.	120	44	28	27	11	5	3	1	1
	EXP.		54.0	29.8	23.1	6.0	4.0	1.4	0.7	1.0
	OBS./EXP.		0.815	0.940	1.169	1.832	1.235	2.165	1.454	0.998
	RELATIVE RISK		1.000	1.153	1.435	2.248	1.516	2.656	1.784	1.225
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1675	0.0560	0.3646	0.2106	0.3198	0.3871	0.0743	0.1868	0.3829
									MONO.	TREND.
									0.2499	0.0657
1955-58	OBS.	161	79	35	30	5	4	4	2	2
	EXP.		72.3	40.3	30.7	8.0	5.5	1.8	0.9	1.4
	OBS./EXP.		1.093	0.868	0.977	0.624	0.724	2.164	2.213	1.425
	RELATIVE RISK		1.000	0.794	0.894	0.571	0.662	1.980	2.025	1.304
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6751	0.8410	0.7556	0.2505	0.4923	0.3858	0.7710	0.4882	0.3574
									MONO.	TREND.
									0.4281	0.1772
1959-62	OBS.	199	76	50	46	13	9	2	1	2
	EXP.		89.3	50.1	37.7	9.8	7.0	2.3	1.1	1.7
	OBS./EXP.		0.851	0.999	1.219	1.323	1.291	0.883	0.937	1.154
	RELATIVE RISK		1.000	1.174	1.434	1.555	1.518	1.038	1.102	1.357
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0941	0.1802	0.2490	0.4486	0.4130	0.3851	0.0684	0.2756	0.4097
									MONO.	TREND.
									0.5962	0.2071
1963-66	OBS.	224	96	55	41	17	8	4	1	2
	EXP.		100.7	56.5	42.3	10.8	8.0	2.5	1.1	2.0
	OBS./EXP.		0.953	0.973	0.968	1.574	1.003	1.576	0.905	1.014
	RELATIVE RISK		1.000	1.021	1.016	1.652	1.052	1.654	0.950	1.064
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4736	0.1043	0.4509	0.3387	0.5622	0.4398	0.2992	0.3999	0.4632
									MONO.	TREND.
									0.6916	0.2142
1967-70	OBS.	282	127	72	53	10	8	4	1	5
	EXP.		126.6	71.1	53.9	13.5	10.0	3.2	1.3	2.4
	OBS./EXP.		1.003	1.012	0.984	0.739	0.801	1.898	0.760	2.116
	RELATIVE RISK		1.000	1.009	0.981	0.737	0.798	1.892	0.758	2.110
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5480	0.7721	0.7190	0.1903	0.6503	0.1865	0.6444	0.4599	0.2725
									MONO.	TREND.
									0.4337	0.0959
1971-74	OBS.	303	140	61	64	15	12	2	3	6
	EXP.		135.6	77.2	57.6	14.6	10.7	3.4	1.4	2.4
	OBS./EXP.		1.032	0.790	1.110	1.027	1.118	0.580	2.208	2.505
	RELATIVE RISK		1.000	0.765	1.076	0.995	1.083	0.570	2.159	2.427
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3832	0.5191	0.4682	0.7689	0.2826	0.0966	0.4018	0.5683	0.0549
									MONO.	TREND.
									0.0852	0.0142
1975-78	OBS.	343	130	91	70	21	16	8	2	5
	EXP.		153.9	87.9	65.2	16.5	12.1	3.6	1.5	2.4
	OBS./EXP.		0.845	1.035	1.074	1.276	1.319	2.234	1.376	2.082
	RELATIVE RISK		1.000	1.226	1.271	1.510	1.562	2.644	1.629	2.464
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1348	0.1230	0.1485	0.0396	0.3941	0.1228	0.0802	0.0368	0.1120
									MONO.	TREND.
									0.0324	0.0006

TABLE 9-24 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-24

HIROSHIMA, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS. TOTAL	1368	638	337	242	72	48	18	5	8
	EXP.		624.7	352.8	255.0	70.9	36.7	13.4	6.2	8.3
	OBS./EXP. RELATIVE RISK		1.021 1.000	0.955 0.935	0.949 0.929	1.016 0.995	1.306 1.279	1.339 1.311	0.811 0.794	0.961 0.941
	TEST PROB.	A=C? 0.7630	A=D? 0.5225	A=E? 0.1314	A=F? 0.2417	A=G? 0.6872	A=H? 0.5817	A=I? 0.7327	A=J? 0.0891	A=K? 0.6569
									HOMO. 0.4322	TREND. 0.1858
1950-54	OBS. EXP.	214	111 97.1	47 56.5	34 38.9	10 10.7	8 6.3	1 2.0	1 1.0	2 1.5
	OBS./EXP. RELATIVE RISK		1.143 1.000	0.832 0.728	0.873 0.764	0.938 0.821	1.279 1.119	0.489 0.228	1.018 0.891	1.298 1.136
	TEST PROB.	A=C? 0.8503	A=D? 0.6983	A=E? 0.4488	A=F? 0.7968	A=G? 0.6036	A=H? 0.4178	A=I? 0.8572	A=J? 0.5912	A=K? 0.4390
									HOMO. 0.6086	TREND. 0.4982
1955-58	OBS. EXP.	228	108 103.7	62 59.4	35 42.0	13 11.7	8 6.4	2 2.3	0 1.0	0 1.4
	OBS./EXP. RELATIVE RISK		1.041 1.000	1.043 1.002	0.833 0.800	1.112 1.068	1.255 1.205	0.887 0.852	0.000 0.000	0.000 0.000
	TEST PROB.	A=C? 0.8108	A=D? 0.4631	A=E? 0.4218	A=F? 0.6209	A=G? 0.8467	A=H? 0.8692	A=I? 0.7531	A=J? 0.4805	A=K? 0.9102
									HOMO. 0.7129	TREND. 0.8714
1959-62	OBS. EXP.	278	117 126.6	79 71.4	48 51.8	15 15.0	15 7.6	1 2.7	2 1.3	1 1.6
	OBS./EXP. RELATIVE RISK		0.924 1.000	1.106 1.197	0.927 1.003	0.998 1.080	1.979 2.141	0.367 0.397	1.551 1.678	0.431 0.633
	TEST PROB.	A=C? 0.4842	A=D? 0.4839	A=E? 0.0310	A=F? 0.3107	A=G? 0.3963	A=H? 0.6895	A=I? 0.4836	A=J? 0.1042	A=K? 0.4192
									HOMO. 0.1427	TREND. 0.2980
1963-66	OBS. EXP.	250	115 114.5	57 63.4	31 47.2	11 13.0	7 6.7	4 2.7	1 1.1	4 1.4
	OBS./EXP. RELATIVE RISK		1.004 1.000	0.899 0.896	1.081 1.077	0.846 0.843	1.048 1.044	1.483 1.477	0.902 0.899	2.791 2.780
	TEST PROB.	A=C? 0.4030	A=D? 0.6905	A=E? 0.4489	A=F? 0.4064	A=G? 0.5966	A=H? 0.1260	A=I? 0.4913	A=J? 0.4228	A=K? 0.2099
									HOMO. 0.2099	TREND. 0.4710
1967-70	OBS. EXP.	173	79 80.3	40 43.3	34 32.5	9 9.1	4 4.3	6 1.8	0 0.7	1 1.0
	OBS./EXP. RELATIVE RISK		0.984 1.000	0.923 0.937	1.046 1.043	0.994 1.009	0.934 0.949	3.272 3.324	0.000 0.000	0.998 1.011
	TEST PROB.	A=C? 0.4517	A=D? 0.4672	A=E? 0.5705	A=F? 0.0310	A=G? 0.8236	A=H? 0.4427	A=I? 0.4563	A=J? 0.1790	A=K? 0.7173
									HOMO. 0.1532	TREND. 0.1422
1971-74	OBS. EXP.	139	69 64.2	31 34.9	22 26.8	9 7.1	4 3.2	4 1.3	0 0.6	0 0.8
	OBS./EXP. RELATIVE RISK		1.075 1.000	0.887 0.825	0.320 0.763	1.262 1.174	1.265 1.176	2.970 2.763	0.000 0.000	0.000 0.000
	TEST PROB.	A=C? 0.8059	A=D? 0.4495	A=E? 0.4234	A=F? 0.1256	A=G? 0.8197	A=H? 0.3325	A=I? 0.7298	A=J? 0.2118	A=K? 0.8688
									HOMO. 0.2417	TREND. 0.3643
1975-78	OBS. EXP.	86	39 38.4	21 22.2	18 17.4	5 4.6	2 1.9	0 0.7	1 0.5	0 0.3
	OBS./EXP. RELATIVE RISK		1.016 1.000	0.944 0.929	1.036 1.019	1.079 1.062	1.052 1.035	0.000 0.000	2.188 2.153	0.000 0.000
	TEST PROB.	A=C? 0.4643	A=D? 0.4357	A=E? 0.4283	A=F? 0.8250	A=G? 0.2935	A=H? 0.7941	A=I? 0.4628	A=J? 0.6617	A=K? 0.3587
									HOMO. 0.9685	TREND. 0.4055

TABLE 9-25 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-25

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	917	181	328	193	70	69	34	17	25
TOTAL	EXP.		194.4	329.3	191.7	73.1	64.1	32.6	14.1	17.7
	OBS./EXP.		0.931	0.996	1.007	0.957	1.077	1.043	1.203	1.410
	RELATIVE RISK		1.000	1.070	1.081	1.028	1.156	1.120	1.292	1.515
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3185	0.4617	0.2554	0.3714	0.2778	0.1008	0.3349	0.2481	0.0884
										NOMO. TREND.
										0.6480 0.0268
1950-54	OBS.	80	15	26	21	6	5	4	1	6
	EXP.		15.9	30.3	18.8	5.8	4.6	2.2	1.0	1.4
	OBS./EXP.		0.941	0.857	1.119	0.891	1.096	1.802	1.024	2.838
	RELATIVE RISK		1.000	0.910	1.189	0.734	1.164	1.914	1.087	3.014
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4675	0.6991	0.4266	0.3004	0.4122	0.1274	0.4541	0.3385	0.1868
										NOMO. TREND.
										0.3535 0.0131
1955-58	OBS.	100	19	45	23	4	6	1	1	3
	EXP.		19.3	38.4	23.3	7.4	5.9	2.9	1.2	1.7
	OBS./EXP.		0.984	1.172	0.989	0.540	0.682	0.345	0.830	1.791
	RELATIVE RISK		1.000	1.191	1.004	0.549	0.693	0.350	0.844	1.819
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4673	0.8312	0.7336	0.8286	0.6205	0.3760	0.6078	0.8132	0.4821
										NOMO. TREND.
										0.5772 0.6615
1959-62	OBS.	97	11	62	24	5	9	0	4	2
	EXP.		20.1	35.3	20.7	7.9	6.5	3.2	1.4	1.9
	OBS./EXP.		0.347	1.190	1.160	0.631	1.392	0.000	2.790	1.048
	RELATIVE RISK		1.000	2.176	2.120	1.154	2.545	0.000	5.101	1.915
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1017	0.4220	0.6917	0.8261	0.9392	0.4014	0.1425	0.2490	0.0769
										NOMO. TREND.
										0.0259 0.3803
1963-66	OBS.	121	25	42	25	16	3	6	0	4
	EXP.		26.0	42.8	25.5	9.8	8.3	4.2	1.9	2.5
	OBS./EXP.		0.960	0.982	0.980	1.636	0.360	1.422	0.000	1.627
	RELATIVE RISK		1.000	1.023	1.021	1.704	0.375	1.481	0.000	1.694
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4846	0.1347	0.9129	0.3493	0.8883	0.3485	0.3322	0.7422	0.5736
										NOMO. TREND.
										0.1333 0.4162
1967-70	OBS.	160	27	55	39	14	10	9	3	3
	EXP.		35.6	55.7	32.0	13.1	11.8	6.1	2.6	3.2
	OBS./EXP.		0.759	0.988	1.220	1.047	0.850	1.470	1.153	0.944
	RELATIVE RISK		1.000	1.303	1.609	1.406	1.121	1.938	1.520	1.244
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1147	0.2691	0.4552	0.1634	0.4432	0.4080	0.1090	0.2647	0.4187
										NOMO. TREND.
										0.6067 0.2914
1971-74	OBS.	179	39	67	28	14	20	6	1	4
	EXP.		39.1	63.5	35.7	14.5	13.2	6.8	2.9	3.3
	OBS./EXP.		0.997	1.055	0.784	0.966	1.510	0.881	0.346	1.225
	RELATIVE RISK		1.000	1.059	0.786	0.969	1.515	0.884	0.347	1.228
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7908	0.5580	0.1756	0.6301	0.3354	0.4231	0.7505	0.2901	0.6704
										NOMO. TREND.
										0.4395 0.3688
1975-78	OBS.	180	45	51	33	13	14	8	7	5
	EXP.		40.1	62.0	34.6	15.0	14.3	7.4	3.2	3.5
	OBS./EXP.		1.122	0.823	0.953	0.869	1.257	1.084	2.214	1.446
	RELATIVE RISK		1.000	0.733	0.849	0.775	1.121	0.986	1.973	1.289
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7076	0.7465	0.4230	0.5426	0.1519	0.4382	0.7587	0.4654	0.1676
										NOMO. TREND.
										0.2264 0.0255

TABLE 9-26 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-26

NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR CLASS		T-65 TOTAL DOSE IN RAD										
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
		A	B	C	D	E	F	G	H			
1950-78	OBS.	9	2	2	1	0	1	3	0	0		
TOTAL	EXP.		1.8	3.5	2.3	0.6	0.4	0.2	0.1	0.2		
	OBS./EXP.		1.114	0.567	0.441	0.000	2.700	12.139	0.000	0.000		
	RELATIVE RISK		1.000	0.509	0.396	0.000	2.424	12.694	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.8038	0.8401	0.2934	0.0229	0.7743	0.7853	0.8481	0.0932	0.7974	0.0000	0.0099
1950-54	OBS.	0	0	0	0	0	0	0	0	0		
	EXP.											
	OBS./EXP.											
	RELATIVE R											
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	X	X	X	X	X	X	X	X	X	X	X
1955-58	OBS.	1	0	0	0	0	0	1	0	0	0	
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	44.026	0.000	0.000	0.000	
	RELATIVE RISK		X	X	X	X	X	X	X	X	X	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X	0.0000	0.0047
1959-62	OBS.	0	0	0	0	0	0	0	0	0	0	
	EXP.											
	OBS./EXP.											
	RELATIVE R											
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	X	X	X	X	X	X	X	X	X	X	X
1963-66	OBS.	1	0	0	0	0	0	1	0	0	0	
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	37.887	0.000	0.000	0.000	
	RELATIVE RISK		X	X	X	X	X	X	X	X	X	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X	0.0000	0.0119
1967-70	OBS.	3	1	1	0	0	1	0	0	0	0	
	EXP.		0.6	1.2	0.8	0.2	0.1	0.1	0.1	0.0	0.0	
	OBS./EXP.		1.702	0.850	0.000	0.000	7.935	0.000	0.000	0.000	0.000	
	RELATIVE RISK		1.000	0.499	0.000	0.000	4.873	0.000	0.000	0.000	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.9060	0.8183	0.2648	0.7824	0.7698	0.7774	0.9243	0.2814	0.7839	0.3779	0.3865
1971-74	OBS.	2	0	1	1	0	0	0	0	0	0	
	EXP.		0.4	0.8	0.5	0.1	0.1	0.0	0.0	0.0	0.0	
	OBS./EXP.		0.000	1.271	2.005	0.000	0.000	0.000	0.000	0.000	0.000	
	RELATIVE RISK		X	X	X	X	X	X	X	X	X	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.2398	X	X	X	X	X	0.2398	X	X	0.9891	0.6478
1975-78	OBS.	2	1	0	0	0	0	1	0	0	0	
	EXP.		0.4	0.8	0.5	0.1	0.1	0.0	0.0	0.0	0.0	
	OBS./EXP.		2.471	0.000	0.000	0.000	0.000	22.530	0.000	0.000	0.000	
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	9.120	0.000	0.000	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.9058	0.8187	0.7988	0.2523	0.7699	0.7775	0.9244	0.2784	0.7861	0.0017	0.0662

TABLE 9-27 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-27

NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	81	12	31	10	7	10	5	4	2
TOTAL	EXP.		17.3	28.8	13.2	8.5	8.4	4.2	1.2	1.5
	OBS./EXP.		0.696	1.077	0.755	1.082	1.195	1.202	3.441	1.297
	RELATIVE RISK		1.000	1.548	1.085	1.555	1.717	1.728	4.947	1.864
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4395	0.3278	0.2380	0.3176	0.0385	0.4122	0.4035	0.2008	0.0686
									HOMO.	TREND.
									0.1796	0.0339
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE RISK									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									X	X
1955-58	OBS.	4	1	1	2	0	0	0	0	0
	EXP.		0.8	1.4	0.6	0.3	0.4	0.2	0.1	0.1
	OBS./EXP.		1.180	0.695	3.081	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.589	2.610	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3540	0.8241	0.8406	0.8084	0.7744	0.7747	0.3437	0.8686	0.7875
									HOMO.	TREND.
									0.7754	0.7988
1959-62	OBS.	4	0	3	0	0	0	0	1	0
	EXP.		0.8	1.4	0.7	0.3	0.4	0.2	0.1	0.1
	OBS./EXP.		0.000	2.088	0.000	0.000	0.000	0.000	17.569	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	0.2398	X	X	X	0.2398
									HOMO.	TREND.
									0.0059	0.2320
1963-66	OBS.	6	1	2	1	1	1	0	0	0
	EXP.		1.3	2.1	1.0	0.5	0.6	0.3	0.1	0.1
	OBS./EXP.		0.777	0.948	1.019	2.069	1.595	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.220	1.312	2.663	2.053	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3583	0.2885	0.3071	0.8079	0.7746	0.7749	0.3441	0.3616	0.7879
									HOMO.	TREND.
									0.9868	0.6188
1967-70	OBS.	16	2	8	2	1	1	2	0	0
	EXP.		3.4	5.6	2.6	1.3	1.7	0.8	0.2	0.3
	OBS./EXP.		0.585	1.416	0.762	0.779	0.601	2.470	0.000	0.000
	RELATIVE RISK		1.000	2.421	1.303	1.331	1.027	4.119	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3788	0.3621	0.4552	0.3152	0.7811	0.7887	0.3628	0.4221	0.8058
									HOMO.	TREND.
									0.7531	0.5801
1971-74	OBS.	20	3	9	0	2	3	2	1	0
	EXP.		4.3	7.1	3.3	1.6	2.1	1.0	0.3	0.4
	OBS./EXP.		0.703	1.276	0.000	1.240	1.443	1.942	3.433	0.000
	RELATIVE RISK		1.000	1.817	0.000	1.766	2.054	2.763	4.886	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9231	0.3657	0.4580	0.4222	0.2642	0.7942	0.7541	0.3040	0.2998
									HOMO.	TREND.
									0.3570	0.1992
1975-78	OBS.	31	5	8	5	3	5	1	2	2
	EXP.		6.6	11.0	5.1	2.3	3.2	1.6	0.4	0.6
	OBS./EXP.		0.758	0.727	0.977	1.208	1.563	0.639	4.628	3.348
	RELATIVE RISK		1.000	0.959	1.288	1.594	2.062	0.843	4.106	4.417
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4163	0.4142	0.2968	0.6279	0.1472	0.2211	0.4538	0.3827	0.0605
									HOMO.	TREND.
									0.1169	0.0051

TABLE 9-28 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-29

NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	151	34	40	24	15	17	13	3	3
TOTAL	EXP.		33.3	50.5	28.2	12.8	12.7	7.2	3.2	3.1
	OBS./EXP.		1.080	0.792	0.850	1.175	1.335	1.815	0.950	0.978
	RELATIVE RISK		1.000	0.733	0.787	1.088	1.236	1.661	0.880	0.906
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7644	0.4718	0.3498	0.1603	0.6132	0.6026	0.6956	0.1976	0.6176
									MONO.	TRENO.
									0.1990	0.0559
1950-54	OBS.	5	0	3	1	0	0	1	0	0
	EXP.		1.0	1.8	1.0	0.4	0.4	0.2	0.1	0.1
	OBS./EXP.		0.000	1.687	1.014	0.000	0.000	4.719	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2398	X	X	0.2398	X	X	0.2398	0.2398	X
									MONO.	TRENO.
									0.5629	0.4423
1955-58	OBS.	9	2	6	0	0	0	0	0	1
	EXP.		1.8	3.4	1.9	0.7	0.4	0.3	0.2	0.2
	OBS./EXP.		1.138	1.774	0.000	0.000	0.000	0.000	0.000	5.334
	RELATIVE RISK		1.000	1.559	0.000	0.000	0.000	0.000	0.000	4.686
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9262	0.8502	0.8477	0.8112	0.7869	0.2652	0.9489	0.8758	0.2904
									MONO.	TRENO.
									0.2343	0.3863
1959-62	OBS.	9	3	4	1	0	1	0	0	0
	EXP.		1.9	3.2	1.8	0.7	0.7	0.4	0.2	0.2
	OBS./EXP.		1.586	1.263	0.567	0.000	1.395	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.796	0.358	0.000	0.879	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8322	0.8701	0.5973	0.8255	0.7953	0.7095	0.9019	0.7210	0.8267
									MONO.	TRENO.
									0.9051	0.8181
1963-66	OBS.	17	6	7	1	3	0	0	0	0
	EXP.		3.6	5.9	3.3	1.4	1.4	0.7	0.3	0.3
	OBS./EXP.		1.675	1.178	0.300	2.190	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.704	0.179	1.307	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9240	0.3960	0.9124	0.8699	0.8199	0.8173	0.8254	0.9467	0.8587
									MONO.	TRENO.
									0.3170	0.9287
1967-70	OBS.	28	6	4	8	2	3	3	1	1
	EXP.		8.2	9.2	5.2	2.4	2.4	1.4	0.6	0.6
	OBS./EXP.		0.964	0.433	1.531	0.834	1.254	2.197	1.691	1.748
	RELATIVE RISK		1.000	0.450	1.588	0.865	1.301	2.279	1.755	1.813
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3328	0.6152	0.3962	0.3560	0.3217	0.3158	0.4361	0.3707	0.3816
									MONO.	TRENO.
									0.4009	0.0553
1971-74	OBS.	34	8	9	3	4	6	4	0	0
	EXP.		7.5	11.3	6.3	2.9	2.9	1.6	0.7	0.7
	OBS./EXP.		1.064	0.793	0.475	1.376	2.068	2.489	0.000	0.000
	RELATIVE RISK		1.000	0.745	0.446	1.293	1.943	2.339	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8790	0.4154	0.2591	0.2332	0.8323	0.8352	0.7641	0.1755	0.8796
									MONO.	TRENO.
									0.1342	0.2356
1975-78	OBS.	49	11	7	10	6	7	5	2	1
	EXP.		11.3	15.7	8.8	4.4	4.2	2.4	1.1	1.0
	OBS./EXP.		0.976	0.444	1.133	1.351	1.656	2.092	1.780	0.995
	RELATIVE RISK		1.000	0.457	1.161	1.384	1.697	2.143	1.824	1.019
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4512	0.4248	0.2847	0.2267	0.3951	0.4333	0.4379	0.1833	0.4189
									MONO.	TRENO.
									0.1355	0.0231

TABLE 9-29 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-29

NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	434	87	167	95	32	23	8	9	13
TOTAL	EXP.		95.6	152.9	89.4	35.1	29.4	14.8	7.2	9.5
	OBS./EXP.		0.910	1.092	1.063	0.911	0.782	0.541	1.244	1.365
	RELATIVE RISK		1.000	1.200	1.167	1.000	0.859	0.594	1.366	1.500
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2271	0.5235	0.7128	0.8666	0.3249	0.2003	0.2766	0.8354	0.1635
									0.2491	0.5591
1950-54	OBS.	29	7	13	6	1	0	1	0	1
	EXP.		5.8	10.9	6.4	2.1	1.8	0.9	0.4	0.6
	OBS./EXP.		1.199	1.190	0.940	0.475	0.000	1.096	0.000	1.613
	RELATIVE RISK		1.000	0.992	0.784	0.396	0.000	0.914	0.000	1.345
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6593	0.8067	0.9048	0.5857	0.8152	0.3613	0.7423	0.6549	0.6482
									0.8120	0.6988
1955-58	OBS.	30	4	14	9	0	2	0	1	0
	EXP.		6.0	11.3	6.6	2.2	1.8	0.9	0.5	0.6
	OBS./EXP.		0.664	1.235	1.365	0.000	1.103	0.000	2.166	0.000
	RELATIVE RISK		1.000	1.880	2.057	0.000	1.662	0.000	3.263	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2018	0.3886	0.3685	0.8264	0.2840	0.3103	0.3540	0.4310	0.3708
									0.4620	0.7977
1959-62	OBS.	53	5	23	12	3	5	0	3	2
	EXP.		11.6	18.7	10.7	4.4	3.7	1.8	0.9	1.2
	OBS./EXP.		0.432	1.230	1.119	0.675	1.352	0.000	3.422	1.709
	RELATIVE RISK		1.000	2.847	2.588	1.562	3.129	0.000	7.918	3.955
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1039	0.4067	0.1524	0.8380	0.0322	0.2599	0.1381	0.2948	0.0322
									0.0620	0.1348
1963-66	OBS.	59	9	22	13	9	1	3	0	2
	EXP.		13.2	29.5	11.9	5.0	4.1	2.1	1.0	1.3
	OBS./EXP.		0.679	1.075	1.096	1.808	0.243	1.451	0.000	1.526
	RELATIVE RISK		1.000	1.583	1.613	2.661	0.358	2.136	0.000	2.245
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2848	0.0917	0.8279	0.3322	0.8240	0.4700	0.1469	0.5630	0.3846
									0.2520	0.6371
1967-70	OBS.	88	16	29	22	9	5	3	2	2
	EXP.		20.5	29.8	17.6	7.4	6.2	3.1	1.5	2.0
	OBS./EXP.		0.781	0.972	1.254	1.219	0.812	0.955	1.347	1.017
	RELATIVE RISK		1.000	1.245	1.605	1.561	1.040	1.223	1.725	1.302
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2289	0.2829	0.4560	0.4053	0.3909	0.3869	0.1769	0.4380	0.4343
									0.8911	0.4256
1971-74	OBS.	89	21	35	19	6	4	0	0	4
	EXP.		20.6	30.6	18.2	7.0	6.1	3.1	1.5	1.8
	OBS./EXP.		1.021	1.143	1.042	0.854	0.654	0.000	0.000	2.190
	RELATIVE RISK		1.000	1.120	1.021	0.837	0.640	0.000	0.000	2.145
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4549	0.6557	0.7716	0.9305	0.8740	0.2370	0.5520	0.9036	0.4187
									0.2621	0.6872
1975-78	OBS.	86	25	31	14	4	6	1	3	2
	EXP.		19.6	29.7	17.7	7.0	6.0	3.0	1.4	1.7
	OBS./EXP.		1.277	1.043	0.793	0.571	1.004	0.338	2.094	1.191
	RELATIVE RISK		1.000	0.817	0.620	0.447	0.786	0.265	1.640	0.932
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8624	0.8929	0.6971	0.8825	0.4375	0.5704	0.9161	0.8307	0.4531
									0.4534	0.5221

TABLE 9-30 ALL MALIGNANT NEOPLASMS EXCEPT LEUKEMIA

TABLE 9-30

HAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	242	44	88	63	16	18	5	1	7		
TOTAL	EXP.		66.4	93.6	58.5	18.1	13.2	6.3	2.5	3.4		
	OBS./EXP.		0.948	0.941	1.077	0.882	1.365	0.796	0.401	2.036		
	RELATIVE RISK		1.000	0.992	1.136	0.930	1.439	0.840	0.423	2.145		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3723	0.5701	0.2066	0.6485	0.7903	0.1422	0.4177	0.3049	0.3301	0.3578	0.1642
1950-54	OBS.	46	8	10	14	3	5	2	1	3		
	EXP.		9.1	17.8	11.4	3.3	2.4	1.1	0.4	0.7		
	OBS./EXP.		0.883	0.567	1.228	0.913	2.084	1.824	2.286	4.388		
	RELATIVE RISK		1.000	0.642	1.391	1.034	2.360	2.065	2.588	4.968		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.4075	0.4411	0.2080	0.4178	0.2895	0.0795	0.4228	0.1811	0.0822	0.0223	0.0002
1955-58	OBS.	56	12	24	12	4	2	0	0	2		
	EXP.		10.5	21.8	13.9	4.1	3.0	1.4	0.5	0.8		
	OBS./EXP.		1.147	1.099	0.863	0.966	0.677	0.000	0.000	2.593		
	RELATIVE RISK		1.000	0.959	0.753	0.843	0.591	0.000	0.000	2.261		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.7159	0.6339	0.7496	0.8793	0.8171	0.6906	0.7211	0.8556	0.3823	0.6678	0.5446
1959-62	OBS.	31	3	12	11	2	3	0	0	0		
	EXP.		3.8	12.0	7.5	2.4	1.6	0.8	0.3	0.5		
	OBS./EXP.		0.517	1.001	1.457	0.820	1.828	0.000	0.000	0.000		
	RELATIVE RISK		1.000	1.936	2.818	1.586	3.535	0.000	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.2079	0.3641	0.2238	0.8091	0.7830	0.7939	0.2238	0.3368	0.8116	0.5683	0.7474
1963-66	OBS.	38	9	11	10	3	1	2	0	2		
	EXP.		7.7	13.9	9.1	2.9	2.2	1.1	0.5	0.7		
	OBS./EXP.		1.164	0.793	1.101	1.040	0.457	1.872	0.000	2.946		
	RELATIVE RISK		1.000	0.681	0.945	0.893	0.393	1.608	0.000	2.531		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.5899	0.5612	0.5118	0.3786	0.8191	0.4523	0.5902	0.8610	0.3776	0.5974	0.1657
1967-70	OBS.	25	2	13	7	2	0	1	0	0		
	EXP.		4.9	9.8	5.8	1.9	1.4	0.7	0.3	0.3		
	OBS./EXP.		0.410	1.330	1.208	1.072	0.000	1.402	0.000	0.000		
	RELATIVE RISK		1.000	3.241	2.945	2.612	0.000	3.417	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.2243	0.4280	0.8401	0.2782	0.7743	0.7817	0.2186	0.4063	0.7935	0.6344	0.8048
1971-74	OBS.	34	7	13	5	2	7	0	0	0		
	EXP.		6.4	13.7	7.4	2.5	2.1	1.0	0.4	0.4		
	OBS./EXP.		1.102	0.951	0.678	0.710	3.396	0.000	0.000	0.000		
	RELATIVE RISK		1.000	0.863	0.616	0.644	3.082	0.000	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.7858	0.7242	0.0916	0.8578	0.8060	0.8039	0.7939	0.2259	0.8374	0.0364	0.4424
1975-78	OBS.	12	3	5	4	0	0	0	0	0		
	EXP.		2.3	4.8	2.5	0.9	0.8	0.4	0.2	0.1		
	OBS./EXP.		1.322	1.052	1.584	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000	0.796	1.198	0.000	0.000	0.000	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3944	0.8681	0.8641	0.8356	0.7877	0.7838	0.5778	0.9031	0.8057	0.8238	0.9033

TABLE 10-1 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2967	1180	793	572	166	113	88	27	48
TOTAL	EXP.	1202.4	824.3	562.4	164.1	113.4	46.6	21.4	30.4	
	OBS./EXP.	0.981	0.962	1.017	1.011	0.979	1.458	1.264	1.581	
	RELATIVE RISK	1.000	0.980	1.036	1.031	0.997	1.486	1.288	1.611	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3231	0.3852	0.4359	0.0082	0.1668	0.0083	0.3203	0.0814	0.0069
1950-54	OBS.	305	137	70	51	18	15	7	3	4
	EXP.	123.7	85.9	58.6	16.5	11.2	4.2	2.0	3.1	
	OBS./EXP.	1.108	0.815	0.871	1.094	1.337	1.678	1.523	1.309	
	RELATIVE RISK	1.000	0.736	0.786	0.986	1.207	1.515	1.375	1.182	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8648	0.4648	0.3101	0.2694	0.4640	0.4254	0.8259	0.2237	0.3975
1955-58	OBS.	357	148	105	67	19	6	3	3	3
	EXP.	144.5	100.1	69.1	19.6	13.0	5.0	2.3	3.4	
	OBS./EXP.	1.024	1.049	0.970	0.969	0.462	1.200	1.306	0.877	
	RELATIVE RISK	1.000	1.024	0.947	0.947	0.451	1.172	1.275	0.857	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6221	0.5873	0.9268	0.4735	0.4103	0.8336	0.8219	0.8403	0.4758
1959-62	OBS.	406	159	114	74	25	21	3	4	6
	EXP.	170.1	109.6	76.9	22.8	14.6	5.6	2.6	3.7	
	OBS./EXP.	0.935	1.040	0.962	1.096	1.438	0.535	1.521	1.622	
	RELATIVE RISK	1.000	1.113	1.029	1.173	1.538	0.573	1.628	1.735	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4586	0.2713	0.0755	0.7523	0.2967	0.2063	0.3667	0.1636	0.1347
1963-66	OBS.	453	187	119	86	26	12	11	1	11
	EXP.	185.2	124.0	86.2	25.3	17.4	7.2	3.2	4.6	
	OBS./EXP.	1.010	0.960	0.998	1.028	0.691	1.534	0.310	2.377	
	RELATIVE RISK	1.000	0.950	0.988	1.018	0.681	1.519	0.307	2.354	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4914	0.5426	0.8344	0.2110	0.8561	0.0329	0.5332	0.6055	0.1853
1967-70	OBS.	452	177	126	86	24	16	13	2	8
	EXP.	183.9	123.6	85.3	25.2	18.2	7.7	3.3	4.8	
	OBS./EXP.	0.962	1.019	1.008	0.953	0.879	1.696	0.606	1.683	
	RELATIVE RISK	1.000	1.059	1.047	0.990	0.913	1.762	0.630	1.749	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4622	0.5175	0.5779	0.1085	0.7288	0.1532	0.4895	0.3069	0.3072
1971-74	OBS.	483	192	125	92	28	22	12	5	7
	EXP.	192.7	135.7	91.2	26.7	19.7	8.3	3.7	5.0	
	OBS./EXP.	0.996	0.921	1.009	1.048	1.117	1.451	1.365	1.398	
	RELATIVE RISK	1.000	0.925	1.012	1.052	1.122	1.457	1.371	1.403	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4675	0.4812	0.3729	0.1977	0.3577	0.2778	0.4550	0.2300	0.1905
1975-78	OBS.	511	180	134	116	26	21	16	9	9
	EXP.	203.3	144.5	95.8	28.0	21.4	8.8	4.0	5.2	
	OBS./EXP.	0.885	0.927	1.211	0.928	0.982	1.828	2.229	1.741	
	RELATIVE RISK	1.000	1.047	1.368	1.048	1.109	2.065	2.518	1.967	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0411	0.4468	0.4114	0.0189	0.0373	0.1025	0.0603	0.0844	0.0144

TABLE 10-2 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-2

MIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	28	13	7	3	1	0	3	0	1
TOTAL	EXP.		11.5	8.2	5.5	1.3	0.7	0.3	0.1	0.2
	OBS./EXP.		1.126	0.850	0.541	0.771	0.000	9.032	0.000	4.712
	RELATIVE RISK		1.000	0.755	0.480	0.685	0.000	8.023	0.000	4.186
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8561	0.6961	0.8398	0.0688	0.7813	0.2696	0.8462	0.4064	0.2938
									0.0004	0.0004
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	4.026	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X
									0.0000	0.0051
1959-62	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		2.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8266	0.7782	0.7703	0.7645	0.7621	0.7627	0.8379	0.7743	0.7645
									0.9923	0.5954
1963-66	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	37.887	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X
									0.0000	0.0114
1967-70	OBS.	5	3	1	0	0	0	0	0	1
	EXP.		2.1	1.5	1.0	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		1.437	0.688	0.000	0.000	0.000	0.000	0.000	27.501
	RELATIVE RISK		1.000	0.478	0.000	0.000	0.000	0.000	0.000	19.140
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9107	0.8229	0.8007	0.7814	0.7704	0.2457	0.9262	0.8175	0.2504
									0.0003	0.0007
1971-74	OBS.	8	2	4	2	0	0	0	0	0
	EXP.		3.5	2.3	1.5	0.4	0.2	0.1	0.0	0.1
	OBS./EXP.		0.573	1.765	1.302	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	3.080	2.273	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3541	0.7865	0.7738	0.7683	0.7629	0.7636	0.3560	0.7792	0.7662
									0.9001	0.7178
1975-78	OBS.	12	7	2	1	1	0	1	0	0
	EXP.		5.1	3.5	2.3	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		1.370	0.579	0.427	1.837	0.000	7.707	0.000	0.000
	RELATIVE RISK		1.000	0.423	0.312	1.340	0.000	5.625	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8585	0.3704	0.8112	0.2704	0.7728	0.7803	0.7918	0.3710	0.7909
									0.2715	0.2995

TABLE 10-3 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	115	28 41.1	41 36.8	18 18.2	4 6.1	7 6.7	5 3.1	7 1.2	5 1.7		
	OBS./EXP. RELATIVE RISK		0.681 1.000	1.115 1.638	0.987 1.451	0.653 0.960	1.051 1.544	1.611 2.368	5.670 8.331	2.890 4.247		
	TEST PROB.	A=C? 0.1840	A=D? 0.4354	A=E? 0.2412	A=F? 0.1212	A=G? 0.0000	A=H? 0.0119	A=CD? 0.2287	A=EF? 0.1288	A=GH? 0.0000	HOMO. 0.0000	TREND. 0.0000
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X	HOMO. X	TREND. X
1955-58	OBS. EXP.	5	1 2.0	4 1.4	0 0.8	0 0.2	0 0.2	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.491 1.000	2.775 5.651	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.8267	A=D? 0.7803	A=E? 0.7755	A=F? 0.7662	A=G? 0.7652	A=H? 0.7648	A=CD? 0.8393	A=EF? 0.7808	A=GH? 0.7697	HOMO. 0.4637	TREND. 0.7787
1959-62	OBS. EXP.	2	0 0.4	1 0.7	0 0.3	0 0.2	0 0.2	0 0.1	1 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	1.392 X	0.000 X	0.000 X	0.000 X	0.000 X	35.138 X	0.000 X		
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? 0.2398	A=H? X	A=CD? X	A=EF? X	A=GH? 0.2398	HOMO. 0.0000	TREND. 0.0173
1963-66	OBS. EXP.	10	3 3.8	4 3.0	1 1.6	0 0.5	2 0.5	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.783 1.000	1.331 1.701	0.614 0.765	0.000 0.000	3.772 4.819	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.5639	A=D? 0.7917	A=E? 0.2101	A=F? 0.7720	A=G? 0.7683	A=H? 0.7715	A=CD? 0.6513	A=EF? 0.3101	A=GH? 0.7789	HOMO. 0.5498	TREND. 0.4906
1967-70	OBS. EXP.	20	5 6.6	9 6.5	2 3.2	0 1.2	1 1.3	2 0.6	0 0.2	1 0.3		
	OBS./EXP. RELATIVE RISK		0.753 1.000	1.394 1.852	0.617 0.820	0.000 0.000	0.759 1.009	3.239 4.305	0.000 0.000	3.145 4.180		
	TEST PROB.	A=C? 0.6167	A=D? 0.8376	A=E? 0.4038	A=F? 0.2664	A=G? 0.7801	A=H? 0.2590	A=CD? 0.7155	A=EF? 0.4581	A=GH? 0.2781	HOMO. 0.3297	TREND. 0.1230
1971-74	OBS. EXP.	34	10 12.2	11 10.8	4 5.4	2 1.8	2 1.9	2 0.9	3 0.4	0 0.5		
	OBS./EXP. RELATIVE RISK		0.817 1.000	1.016 1.244	0.740 0.998	1.106 1.335	1.028 1.259	2.228 2.728	8.202 10.043	0.000 0.000		
	TEST PROB.	A=C? 0.4759	A=D? 0.3935	A=E? 0.3736	A=F? 0.4322	A=G? 0.0084	A=H? 0.8019	A=CD? 0.4386	A=EF? 0.6213	A=GH? 0.0952	HOMO. 0.0028	TREND. 0.0216
1975-78	OBS. EXP.	44	9 16.0	12 14.2	11 6.8	2 2.2	2 2.4	1 1.1	3 0.4	4 0.6		
	OBS./EXP. RELATIVE RISK		0.562 1.000	0.842 1.498	1.609 2.861	0.892 1.587	0.814 1.454	0.880 1.564	6.804 12.102	6.259 11.132		
	TEST PROB.	A=C? 0.0623	A=D? 0.3959	A=E? 0.3689	A=F? 0.2883	A=G? 0.0041	A=H? 0.0005	A=CD? 0.0773	A=EF? 0.4755	A=GH? 0.0000	HOMO. 0.0000	TREND. 0.0000

TABLE 10-4 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-4

MIYOSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD									
		TOTAL	A	B	C	D	E	F	G	H	
1950-78	OBS.	362	127	100	73	18	16	19	4	5	
TOTAL	EXP.		141.6	103.2	64.0	20.6	16.0	7.9	3.9	4.7	
	OBS./EXP.		0.897	0.969	1.141	0.872	0.999	2.392	1.029	1.053	
	RELATIVE RISK		1.000	1.080	1.272	0.973	1.114	2.667	1.147	1.174	
	TEST	A=C7	A=D7	A=E7	A=F7	A=G7	A=H7	A=CD7	A=EF7	A=GH7	
	PROB.	0.1237	0.4022	0.4342	0.0045	0.4255	0.4387	0.1988	0.0455	0.4569	
									NOMO.	TREND.	
									0.0082	0.0328	
1950-54	OBS.	14	6	6	1	0	0	1	0	0	
	EXP.		5.8	3.9	2.5	0.8	0.5	0.3	0.1	0.2	
	OBS./EXP.		1.038	1.544	0.401	0.000	0.000	3.980	0.000	0.000	
	RELATIVE RISK		1.000	1.488	0.387	0.000	0.000	3.835	0.000	0.000	
	TEST	A=C7	A=D7	A=E7	A=F7	A=G7	A=H7	A=CD7	A=EF7	A=GH7	
	PROB.	0.7996	0.8267	0.8045	0.2707	0.7720	0.7779	0.8460	0.3924	0.7884	
										NOMO.	
										0.5538	
										TREND.	
										0.6340	
1955-58	OBS.	19	6	6	4	2	0	1	0	0	
	EXP.		7.5	5.4	3.6	1.1	0.7	0.3	0.2	0.2	
	OBS./EXP.		0.804	1.101	1.126	1.861	0.000	3.143	0.000	0.000	
	RELATIVE RISK		1.000	1.370	1.401	2.316	0.000	3.912	0.000	0.000	
	TEST	A=C7	A=D7	A=E7	A=F7	A=G7	A=H7	A=CD7	A=EF7	A=GH7	
	PROB.	0.4363	0.4514	0.8328	0.2672	0.7822	0.7886	0.3342	0.3761	0.8063	
										NOMO.	
										0.8009	
										TREND.	
										0.5331	
1959-62	OBS.	24	9	9	2	0	3	0	1	2	
	EXP.		10.5	7.3	4.7	1.5	1.0	0.5	0.3	0.3	
	OBS./EXP.		0.860	1.235	0.428	0.000	2.873	0.000	3.988	6.151	
	RELATIVE RISK		1.000	1.435	0.497	0.000	3.339	0.000	4.636	7.149	
	TEST	A=C7	A=D7	A=E7	A=F7	A=G7	A=H7	A=CD7	A=EF7	A=GH7	
	PROB.	0.8001	0.8454	0.1291	0.8063	0.2618	0.0908	0.8611	0.2297	0.0372	
										NOMO.	
										0.0090	
										TREND.	
										0.0019	
1963-66	OBS.	59	21	19	11	2	1	3	0	2	
	EXP.		23.6	16.8	10.6	3.2	2.4	1.2	0.6	0.7	
	OBS./EXP.		0.891	1.134	1.042	0.616	0.418	2.598	0.000	2.672	
	RELATIVE RISK		1.000	1.272	1.168	0.691	0.469	2.914	0.000	2.998	
	TEST	A=C7	A=D7	A=E7	A=F7	A=G7	A=H7	A=CD7	A=EF7	A=GH7	
	PROB.	0.4396	0.7894	0.8282	0.2774	0.8292	0.3606	0.4599	0.4189	0.3795	
										NOMO.	
										0.3752	
										TREND.	
										0.1446	
1967-70	OBS.	59	18	14	16	5	2	3	1	0	
	EXP.		22.8	16.8	10.3	3.4	2.8	1.4	0.7	0.8	
	OBS./EXP.		0.788	0.831	1.557	1.474	0.725	2.125	1.487	0.000	
	RELATIVE RISK		1.000	1.053	1.975	1.871	0.920	2.697	1.887	0.000	
	TEST	A=C7	A=D7	A=E7	A=F7	A=G7	A=H7	A=CD7	A=EF7	A=GH7	
	PROB.	0.1049	0.2720	0.4569	0.3364	0.3226	0.8192	0.0988	0.4638	0.6367	
										NOMO.	
										0.2888	
										TREND.	
										0.3746	
1971-74	OBS.	75	26	19	15	5	6	4	0	0	
	EXP.		29.0	21.5	13.2	4.3	3.4	1.7	0.8	1.0	
	OBS./EXP.		0.896	0.884	1.133	1.156	1.752	2.367	0.000	0.000	
	RELATIVE RISK		1.000	0.987	1.267	1.290	1.956	2.643	0.000	0.000	
	TEST	A=C7	A=D7	A=E7	A=F7	A=G7	A=H7	A=CD7	A=EF7	A=GH7	
	PROB.	0.2896	0.4646	0.2232	0.1724	0.8238	0.8354	0.2758	0.1339	0.8739	
										NOMO.	
										0.3290	
										TREND.	
										0.3870	
1975-78	OBS.	110	41	27	24	4	4	7	2	1	
	EXP.		42.4	31.6	19.2	6.4	5.1	2.5	1.3	1.5	
	OBS./EXP.		0.967	0.854	1.249	0.625	0.788	2.775	1.565	0.682	
	RELATIVE RISK		1.000	0.883	1.292	0.646	0.815	2.871	1.619	0.706	
	TEST	A=C7	A=D7	A=E7	A=F7	A=G7	A=H7	A=CD7	A=EF7	A=GH7	
	PROB.	0.3060	0.7739	0.6357	0.0321	0.3918	0.6686	0.4628	0.1879	0.4132	
										NOMO.	
										0.1132	
										TREND.	
										0.1856	

TABLE 10-5 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	1-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	1349	521 542.8	359 368.6	278 258.9	76 74.6	56 57.1	23 21.6	11 10.1	25 15.3
	OBS./EXP. RELATIVE RISK		0.960 1.000	0.974 1.015	1.074 1.119	1.019 1.061	0.981 1.022	1.065 1.110	1.090 1.136	1.634 1.702
	TEST PROB.	A=C? 0.1379	A=D? 0.3419	A=E? 0.4376	A=F? 0.3210	A=G? 0.3993	A=H? 0.0328	A=CD? 0.1424	A=EF? 0.3178	A=GH? 0.0464
									HOMO. 0.2515	TREND. 0.0122
1950-54	OBS. EXP.	93	35 37.8	24 25.2	18 17.8	7 5.1	4 3.8	3 1.5	1 0.7	1 1.1
	OBS./EXP. RELATIVE RISK		0.927 1.000	0.951 1.026	1.010 1.089	1.375 1.484	1.045 1.127	2.060 2.223	1.365 1.473	0.927 1.000
	TEST PROB.	A=C? 0.4382	A=D? 0.2879	A=E? 0.4217	A=F? 0.2732	A=G? 0.3336	A=H? 0.5522	A=CD? 0.3378	A=EF? 0.3010	A=GH? 0.3976
									HOMO. 0.9051	TREND. 0.1944
1955-58	OBS. EXP.	130	54 53.8	33 33.0	28 24.8	5 6.9	4 5.2	2 1.9	3 0.9	1 1.4
	OBS./EXP. RELATIVE RISK		1.004 1.000	0.942 0.938	1.130 1.125	0.720 0.716	0.771 0.768	1.049 1.044	3.182 3.168	0.495 0.492
	TEST PROB.	A=C? 0.4024	A=D? 0.7056	A=E? 0.6591	A=F? 0.4036	A=G? 0.1473	A=H? 0.6639	A=CD? 0.4739	A=EF? 0.5926	A=GH? 0.3198
									HOMO. 0.5401	TREND. 0.3613
1959-62	OBS. EXP.	169	60 68.0	46 46.1	38 32.2	12 9.5	7 7.2	2 2.7	1 1.3	3 2.0
	OBS./EXP. RELATIVE RISK		0.882 1.000	0.999 1.133	1.179 1.337	1.262 1.431	0.972 1.102	0.736 0.834	0.777 0.881	1.532 1.737
	TEST PROB.	A=C? 0.1606	A=D? 0.1919	A=E? 0.4430	A=F? 0.5662	A=G? 0.4901	A=H? 0.3790	A=CD? 0.1160	A=EF? 0.4473	A=GH? 0.4204
									HOMO. 0.8332	TREND. 0.2790
1963-66	OBS. EXP.	184	72 73.4	47 50.4	35 34.9	16 10.4	5 8.2	5 3.1	0 1.4	4 2.2
	OBS./EXP. RELATIVE RISK		0.981 1.000	0.933 0.952	1.004 1.024	1.535 1.565	0.611 0.623	1.605 1.637	0.000 0.000	1.789 1.824
	TEST PROB.	A=C? 0.4896	A=D? 0.1438	A=E? 0.7638	A=F? 0.2548	A=G? 0.8558	A=H? 0.2853	A=CD? 0.3137	A=EF? 0.5407	A=GH? 0.4241
									HOMO. 0.2945	TREND. 0.2031
1967-70	OBS. EXP.	241	100 97.0	68 65.3	45 46.4	9 13.4	11 10.4	2 4.0	1 1.8	5 2.8
	OBS./EXP. RELATIVE RISK		1.031 1.000	1.041 1.009	0.970 0.941	0.671 0.650	1.060 1.028	0.503 0.488	0.569 0.552	1.814 1.759
	TEST PROB.	A=C? 0.6595	A=D? 0.8450	A=E? 0.4562	A=F? 0.8093	A=G? 0.7367	A=H? 0.2544	A=CD? 0.7682	A=EF? 0.6396	A=GH? 0.4062
									HOMO. 0.6696	TREND. 0.4554
1971-74	OBS. EXP.	254	101 101.7	65 69.9	53 49.0	13 13.9	11 10.9	2 4.2	2 1.8	7 2.7
	OBS./EXP. RELATIVE RISK		0.994 1.000	0.930 0.936	1.081 1.088	0.937 0.943	1.009 1.015	0.482 0.485	1.118 1.125	2.570 2.557
	TEST PROB.	A=C? 0.3566	A=D? 0.3639	A=E? 0.4554	A=F? 0.7837	A=G? 0.3903	A=H? 0.0417	A=CD? 0.4101	A=EF? 0.5843	A=GH? 0.0634
									HOMO. 0.2798	TREND. 0.0641
1975-78	OBS. EXP.	278	99 112.0	76 76.8	61 53.8	14 15.0	14 11.7	7 4.2	3 1.8	4 2.7
	OBS./EXP. RELATIVE RISK		0.884 1.000	0.990 1.120	1.134 1.283	0.930 1.053	1.196 1.353	1.664 1.882	1.635 1.849	1.506 1.704
	TEST PROB.	A=C? 0.1566	A=D? 0.4592	A=E? 0.3145	A=F? 0.1617	A=G? 0.3842	A=H? 0.3461	A=CD? 0.1709	A=EF? 0.1473	A=GH? 0.2219
									HOMO. 0.4825	TREND. 0.0258

TABLE 10-6 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-6

MIYOSHIKAWA • NAGASAKI, MALE • FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN-RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	1113	191	284	200	67	34	18	5	12
	EXP.	465.3	307.5	215.7	61.5	35.0	13.7	6.0	8.4	
	OBS./EXP. RELATIVE RISK	1.055 1.000	0.930 0.882	0.927 0.879	1.090 1.033	0.972 0.921	1.317 1.248	0.831 0.787	1.435 1.360	
	TEST PROB.	A=C? 0.8953	A=D? 0.4619	A=E? 0.6387	A=F? 0.2900	A=G? 0.6918	A=H? 0.2862	A=CD? 0.8443	A=EF? 0.4839	A=GH? 0.4367
										HOMO. 0.3491
										TREND. 0.1282
1950-54	OBS. EXP.	198	96	40	32	11	11	3	2	3
		80.1	56.8	38.3	10.6	6.9	2.5	1.1	1.8	
	OBS./EXP. RELATIVE RISK	1.198 1.000	0.705 0.588	0.836 0.698	1.037 0.866	1.603 1.338	1.218 1.017	1.801 1.504	1.662 1.387	
	TEST PROB.	A=C? 0.9179	A=D? 0.6394	A=E? 0.2977	A=F? 0.6480	A=G? 0.3869	A=H? 0.4269	A=CD? 0.9064	A=EF? 0.3360	A=GH? 0.3857
										HOMO. 0.0613
										TREND. 0.0629
1955-58	OBS. EXP.	202	87	62	35	12	2	2	0	2
		81.1	57.8	39.6	11.3	6.8	2.7	1.1	1.7	
	OBS./EXP. RELATIVE RISK	1.073 1.000	1.072 0.999	0.883 0.823	1.065 0.992	0.294 0.274	0.753 0.701	0.000 0.000	1.210 1.127	
	TEST PROB.	A=C? 0.7838	A=D? 0.5640	A=E? 0.9375	A=F? 0.7109	A=G? 0.8583	A=H? 0.4502	A=CD? 0.7520	A=EF? 0.9263	A=GH? 0.7441
										HOMO. 0.5197
										TREND. 0.8964
1959-62	OBS. EXP.	208	89	58	34	13	11	1	1	1
		90.7	55.3	39.5	11.8	6.1	2.3	1.1	1.4	
	OBS./EXP. RELATIVE RISK	0.981 1.000	1.049 1.069	0.861 0.877	1.116 1.138	1.794 1.828	0.438 0.447	0.945 0.963	0.729 0.743	
	TEST PROB.	A=C? 0.7169	A=D? 0.6189	A=E? 0.0957	A=F? 0.7729	A=G? 0.4629	A=H? 0.6466	A=CD? 0.6462	A=EF? 0.1984	A=GH? 0.6053
										HOMO. 0.5598
										TREND. 0.4422
1963-66	OBS. EXP.	199	91	49	39	8	4	2	1	5
		84.1	53.5	38.9	11.0	6.2	2.6	1.1	1.5	
	OBS./EXP. RELATIVE RISK	1.081 1.000	0.916 0.847	1.004 0.928	0.725 0.670	0.643 0.595	0.761 0.703	0.891 0.824	3.349 3.097	
	TEST PROB.	A=C? 0.8397	A=D? 0.8281	A=E? 0.3169	A=F? 0.7186	A=G? 0.6387	A=H? 0.4798	A=CD? 0.7460	A=EF? 0.8352	A=GH? 0.1605
										HOMO. 0.1348
										TREND. 0.1409
1967-70	OBS. EXP.	127	51	34	23	10	2	6	0	1
		55.4	33.6	24.4	7.0	3.6	1.6	0.6	0.8	
	OBS./EXP. RELATIVE RISK	0.921 1.000	1.013 1.100	0.942 1.022	1.435 1.557	0.550 0.597	3.743 4.063	0.000 0.000	1.189 1.290	
	TEST PROB.	A=C? 0.4641	A=D? 0.2067	A=E? 0.7127	A=F? 0.0088	A=G? 0.8076	A=H? 0.3429	A=CD? 0.3759	A=EF? 0.1658	A=GH? 0.6106
										HOMO. 0.0317
										TREND. 0.0806
1971-74	OBS. EXP.	112	53	26	18	8	3	4	0	0
		46.3	31.2	22.0	6.4	3.2	1.4	0.6	0.7	
	OBS./EXP. RELATIVE RISK	1.144 1.000	0.833 0.728	0.816 0.714	1.257 1.099	0.928 0.812	2.769 2.421	0.000 0.000	0.000 0.000	
	TEST PROB.	A=C? 0.8605	A=D? 0.4469	A=E? 0.7046	A=F? 0.1951	A=G? 0.8328	A=H? 0.8378	A=CD? 0.7978	A=EF? 0.4272	A=GH? 0.8811
										HOMO. 0.2507
										TREND. 0.4753
1975-78	OBS. EXP.	67	24	17	19	5	1	0	1	0
		27.8	18.4	13.6	3.8	1.9	0.8	0.4	0.3	
	OBS./EXP. RELATIVE RISK	0.863 1.000	0.922 1.068	1.397 1.618	1.321 1.529	0.534 0.618	0.000 0.000	2.340 2.710	0.000 0.000	
	TEST PROB.	A=C? 0.1760	A=D? 0.3154	A=E? 0.6732	A=F? 0.8226	A=G? 0.2762	A=H? 0.7868	A=CD? 0.1534	A=EF? 0.7581	A=GH? 0.3141
										HOMO. 0.6020
										TREND. 0.5934

TABLE 10-7 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	1690	687	454	303	88	74	38	15	31
TOTAL	EXP.	681.8	471.2	305.2	94.8	74.8	28.9	13.1	20.2	
	OBS./EXP.	1.008	0.983	0.993	0.930	0.989	1.314	1.144	1.533	
	RELATIVE RISK	1.000	0.956	0.985	0.923	0.981	1.304	1.135	1.521	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5534	0.7027	0.5050	0.1328	0.3875	0.0547	0.6344	0.2976	0.0725
1950-54	OBS.	208	96	48	36	10	11	3	1	3
	EXP.	84.9	58.4	38.7	11.1	8.3	2.9	1.4	2.3	
	OBS./EXP.	1.131	0.822	0.930	0.902	1.328	1.022	0.720	1.279	
	RELATIVE RISK	1.000	0.727	0.822	0.797	1.172	0.903	0.636	1.131	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7522	0.6842	0.3635	0.5462	0.6788	0.4124	0.7841	0.4092	0.5529
1955-58	OBS.	214	91	62	38	10	5	3	3	2
	EXP.	87.7	59.4	39.7	11.7	8.6	3.1	1.4	2.4	
	OBS./EXP.	1.037	1.043	0.958	0.858	0.580	0.957	2.125	0.841	
	RELATIVE RISK	1.000	1.006	0.923	0.827	0.559	0.923	2.049	0.811	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6614	0.7012	0.9514	0.6012	0.3354	0.6686	0.6932	0.8148	0.4393
1959-62	OBS.	222	85	66	44	5	13	2	3	4
	EXP.	91.1	61.0	40.0	12.9	9.5	3.4	1.6	2.5	
	OBS./EXP.	0.933	1.083	1.100	0.389	1.367	0.585	1.881	1.604	
	RELATIVE RISK	1.000	1.161	1.179	0.417	1.466	0.627	2.017	1.720	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2747	0.9277	0.1849	0.6837	0.2605	0.2939	0.5126	0.2684	0.1599
1963-66	OBS.	261	111	66	44	19	6	8	0	7
	EXP.	104.0	72.6	47.8	15.2	11.6	4.6	2.0	3.2	
	OBS./EXP.	1.068	0.909	0.920	1.251	0.516	1.741	0.000	2.198	
	RELATIVE RISK	1.000	0.852	0.861	1.172	0.483	1.631	0.000	2.058	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7330	0.3976	0.9088	0.2413	0.8999	0.1343	0.6434	0.7277	0.4240
1967-70	OBS.	249	101	75	38	12	10	9	1	3
	EXP.	99.4	68.8	44.8	14.4	11.7	4.8	2.0	3.1	
	OBS./EXP.	1.016	1.090	0.849	0.832	0.853	1.884	0.502	0.956	
	RELATIVE RISK	1.000	1.073	0.835	0.819	0.839	1.853	0.494	0.941	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7750	0.7242	0.4660	0.1614	0.7651	0.5481	0.8104	0.4156	0.6776
1971-74	OBS.	262	105	65	47	18	14	7	1	5
	EXP.	105.2	72.7	47.1	14.7	12.2	4.9	2.2	3.2	
	OBS./EXP.	0.998	0.894	0.999	1.228	1.151	1.433	0.463	1.573	
	RELATIVE RISK	1.000	0.896	1.001	1.231	1.153	1.436	0.464	1.577	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4761	0.2926	0.4124	0.3146	0.7583	0.2821	0.3869	0.3272	0.4467
1975-78	OBS.	274	98	72	56	14	15	6	6	7
	EXP.	109.3	77.7	48.1	15.1	13.1	5.1	2.4	3.0	
	OBS./EXP.	0.895	0.927	1.165	0.925	1.149	1.167	2.522	2.296	
	RELATIVE RISK	1.000	1.036	1.302	1.034	1.284	1.304	2.818	2.565	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1543	0.4582	0.3198	0.3950	0.0715	0.0711	0.1879	0.2476	0.0166

TABLE 10-8 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-8

HIROSHIMA + NAGASAKI, MALE, AGE ATB 0-9

YEAR	CLASS	7-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-19	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	12	5	5	0	0	0	1	0	1
TOTAL	EXP.		5.4	3.3	2.3	0.5	0.2	0.1	0.1	0.1
	OBS./EXP.		0.927	1.522	0.000	0.000	0.000	8.305	0.000	14.133
	RELATIVE RISK		1.000	1.642	0.000	0.000	0.000	8.959	0.000	15.245
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9030	0.8088	0.7838	0.2564	0.7655	0.2456	0.9187	0.2991	0.0008
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1963-66	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	37.687	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	0.2398	X	X	0.2398	X	0.0000
1967-70	OBS.	3	1	1	0	0	0	0	0	1
	EXP.		1.4	0.8	0.6	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.705	1.266	0.000	0.000	0.000	0.000	0.000	68.702
	RELATIVE RISK		1.000	1.796	0.000	0.000	0.000	0.000	0.000	97.433
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8281	0.7783	0.7685	0.7641	0.7620	0.2409	0.8393	0.7722	0.2418
1971-74	OBS.	3	1	2	0	0	0	0	0	0
	EXP.		1.4	0.8	0.6	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.704	2.539	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	3.606	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8281	0.7783	0.7686	0.7641	0.7619	0.7626	0.8393	0.7722	0.7641
1975-78	OBS.	5	3	2	0	0	0	0	0	0
	EXP.		2.4	1.3	0.9	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		1.268	1.526	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.204	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8724	0.7945	0.7765	0.7677	0.7636	0.7646	0.8874	0.7832	0.7678

TABLE 10-9 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-9

MIROSHIMA - NAGASAKI, MALE, AGE ATB 10-19

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	70	16	29	10	3	1	4	4	3
TOTAL	EXP.		24.9	23.9	10.5	3.4	3.7	1.7	0.7	1.2
	OBS./EXP.		0.643	1.212	0.951	0.884	0.268	2.369	5.977	2.534
	RELATIVE RISK		1.000	1.885	1.479	1.375	0.417	3.685	9.297	3.943
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2514	0.4376	0.7593	0.0767	0.0014	0.0825	0.2395	0.3918	0.0016
									HOMO.	TREND.
									0.0001	0.0007
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									X	X
1955-58	OBS.	2	0	2	0	0	0	0	0	0
	EXP.		0.6	0.7	0.3	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	2.849	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									0.8120	0.6765
1959-62	OBS.	1	0	0	0	0	0	0	1	0
	EXP.		0.2	0.4	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	0.000	74.803	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	0.2398	X	X	X	0.2398
									HOMO.	TREND.
									0.0000	0.0013
1963-66	OBS.	4	2	2	0	0	0	0	0	0
	EXP.		1.5	1.3	0.6	0.2	0.2	0.1	0.0	0.1
	OBS./EXP.		1.300	1.492	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.148	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8385	0.7819	0.7795	0.7691	0.7656	0.7695	0.8510	0.7873	0.7745
									HOMO.	TREND.
									0.9776	0.7596
1967-70	OBS.	11	2	6	2	0	0	1	0	0
	EXP.		3.4	3.9	1.7	0.6	0.7	0.3	0.1	0.2
	OBS./EXP.		0.581	1.552	1.176	0.000	0.000	3.043	0.000	0.000
	RELATIVE RISK		1.000	2.672	2.025	0.000	0.000	5.243	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3556	0.8254	0.8368	0.2718	0.7748	0.7849	0.3610	0.3904	0.7969
									HOMO.	TREND.
									0.6736	0.6393
1971-74	OBS.	21	5	9	2	2	0	2	1	0
	EXP.		7.4	7.2	3.2	1.0	1.1	0.5	0.2	0.4
	OBS./EXP.		0.673	1.258	0.631	1.928	0.000	3.868	4.902	0.000
	RELATIVE RISK		1.000	1.868	0.934	2.863	0.000	5.774	7.280	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4266	0.4089	0.8401	0.2535	0.2525	0.7899	0.4067	0.3648	0.2778
									HOMO.	TREND.
									0.1133	0.1843
1975-78	OBS.	31	7	10	6	1	1	1	2	3
	EXP.		11.7	10.4	4.6	1.4	1.5	0.7	0.3	0.5
	OBS./EXP.		0.600	0.962	1.294	0.718	0.670	1.507	7.271	6.326
	RELATIVE RISK		1.000	1.604	2.157	1.197	1.117	2.513	12.123	10.567
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2011	0.3077	0.3439	0.2625	0.0215	0.0044	0.2055	0.6233	0.0005
									HOMO.	TREND.
									0.0003	0.0000

TABLE 10-10 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-10

HIROSHIMA + NAGASAKI, MALE, AGE ATB 20-34

YEAR	CLASS	T-85 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	160	63	43	28	5	11	7	1	2
TOTAL	EXP.	62.5	45.6	25.7	8.9	8.3	4.6	2.1	2.2	
	OBS./EXP.	1.008	0.942	1.089	0.560	1.323	1.518	0.483	0.905	
	RELATIVE RISK	1.000	0.935	1.080	0.555	1.312	1.506	0.479	0.898	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4465	0.8546	0.3516	0.3598	0.7763	0.6053	0.5952	0.2983	0.7323
										HOMO.
										TREND.
										0.4095
1950-54	OBS.	5	2	3	0	0	0	0	0	0
EXP.		2.0	1.4	0.8	0.3	0.2	0.1	0.1	0.1	0.1
	OBS./EXP.	0.992	2.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	2.108	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8487	0.7874	0.7832	0.7715	0.7661	0.7682	0.8631	0.7929	0.7738
										HOMO.
										TREND.
										0.7966
1955-58	OBS.	2	0	1	1	0	0	0	0	0
EXP.		0.9	0.6	0.3	0.1	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.	0.000	1.721	3.069	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	X	X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2398	X	X	X	X	X	0.2398	X	X
										HOMO.
										TREND.
										0.6177
1959-62	OBS.	8	2	3	1	0	1	0	0	1
EXP.		3.2	2.3	1.3	0.4	0.4	0.2	0.1	0.1	0.1
	OBS./EXP.	0.630	1.319	0.775	0.000	2.484	0.000	0.000	0.000	9.235
	RELATIVE RISK	1.000	2.093	1.229	0.000	3.941	0.000	0.000	0.000	14.648
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3393	0.7868	0.2570	0.7715	0.7660	0.2455	0.4195	0.2660	0.2496
										HOMO.
										TREND.
										0.0357
1963-66	OBS.	22	10	6	5	0	1	0	0	0
EXP.		9.0	6.3	3.6	1.1	1.0	0.5	0.2	0.3	0.3
	OBS./EXP.	1.110	0.957	1.407	0.000	1.010	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.863	1.268	0.000	0.910	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4236	0.8889	0.6878	0.8511	0.8070	0.8043	0.5833	0.7910	0.8390
										HOMO.
										TREND.
										0.8700
1967-70	OBS.	32	12	10	5	1	1	3	0	0
EXP.		12.5	9.0	5.1	1.8	1.7	0.9	0.4	0.5	0.5
	OBS./EXP.	0.959	1.106	0.974	0.552	0.595	3.184	0.000	0.000	0.000
	RELATIVE RISK	1.000	1.153	1.015	0.575	0.620	3.319	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5500	0.7369	0.7185	0.2922	0.8090	0.8096	0.6283	0.4130	0.8447
										HOMO.
										TREND.
										0.5312
1971-74	OBS.	34	14	6	5	2	5	2	0	0
EXP.		13.1	9.7	5.4	1.9	1.8	1.0	0.5	0.5	0.5
	OBS./EXP.	1.065	0.619	0.919	1.030	2.741	2.012	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.581	0.863	0.968	2.574	1.890	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5962	0.3918	0.1486	0.4526	0.7983	0.8041	0.5518	0.1665	0.8323
										HOMO.
										TREND.
										0.2407
1975-78	OBS.	57	23	14	11	2	3	2	1	1
EXP.		21.7	16.5	9.2	3.4	3.0	1.7	0.8	0.8	0.8
	OBS./EXP.	1.062	0.850	1.201	0.592	0.987	1.202	1.243	1.218	1.218
	RELATIVE RISK	1.000	0.800	1.131	0.557	0.929	1.132	1.171	1.147	1.147
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4596	0.7903	0.5931	0.4039	0.4056	0.4111	0.5738	0.5159	0.4241
										HOMO.
										TREND.
										0.9803

TABLE 10-11 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-11

HIROSHIMA + NAGASAKI, MALE, AGE ATB 35-49

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	777	315	192	149	41	40	15	7	18
TOTAL	EXP.		313.3	212.6	139.4	44.0	37.8	13.4	6.3	10.2
	OBS./EXP.		1.005	0.903	1.069	0.931	1.057	1.120	1.118	1.765
	RELATIVE RISK		1.000	0.898	1.063	0.926	1.051	1.114	1.112	1.755
TEST	A=CD?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.3411	0.6234	0.4016	0.3774	0.4695	0.0530	0.4159	0.3231	0.0764	0.2325
TREND.										0.0112
1950-54	OBS.	55	22	13	11	3	3	2	0	1
EXP.			22.5	14.9	9.9	3.1	2.5	0.9	0.5	0.7
	OBS./EXP.		0.978	0.872	1.116	0.981	1.180	2.193	0.000	1.355
	RELATIVE RISK		1.000	0.892	1.141	1.003	1.207	2.243	0.000	1.356
TEST	A=CD?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.4612	0.4227	0.4077	0.4336	0.8052	0.3605	0.4739	0.3478	0.6311	0.9383
TREND.										0.2921
1955-58	OBS.	79	35	16	16	3	3	2	3	1
EXP.			33.2	21.2	14.1	4.2	3.5	1.2	0.6	1.0
	OBS./EXP.		1.054	0.754	1.133	0.712	0.863	1.692	5.011	1.018
	RELATIVE RISK		1.000	0.716	1.075	0.676	0.819	1.606	4.755	0.966
TEST	A=CD?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.4573	0.7270	0.6435	0.3866	0.0792	0.5637	0.5716	0.4392	0.2017	0.0915
TREND.										0.0756
1959-62	OBS.	97	36	24	25	2	6	1	1	2
EXP.			38.8	26.7	17.2	5.6	4.8	1.7	0.8	1.3
	OBS./EXP.		0.929	0.898	1.451	0.354	1.252	0.582	1.241	1.509
	RELATIVE RISK		1.000	0.968	1.562	0.382	1.348	0.627	1.336	1.625
TEST	A=CD?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.1227	0.8503	0.3731	0.6510	0.3251	0.3928	0.2613	0.4424	0.4353	0.3937
TREND.										0.3437
1963-66	OBS.	117	45	26	21	12	4	5	0	4
EXP.			46.3	32.3	20.9	8.8	5.9	2.2	1.0	1.6
	OBS./EXP.		0.971	0.806	1.006	1.755	0.673	2.311	0.000	2.450
	RELATIVE RISK		1.000	0.830	1.036	1.807	0.693	2.380	0.000	2.522
TEST	A=CD?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.4658	0.1042	0.6893	0.1046	0.8304	0.1419	0.2955	0.3879	0.3178	0.6502
TREND.										0.0242
1967-70	OBS.	134	61	38	17	6	7	2	1	2
EXP.			53.2	36.7	24.2	7.7	6.8	2.5	1.1	1.8
	OBS./EXP.		1.146	1.035	0.703	0.778	1.027	0.808	0.948	1.110
	RELATIVE RISK		1.000	0.903	0.613	0.679	0.896	0.705	0.827	0.968
TEST	A=CD?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.9083	0.7926	0.6022	0.6795	0.6132	0.4502	0.9270	0.6460	0.5454	0.7932
TREND.										0.6352
1971-74	OBS.	148	60	37	32	7	7	0	0	5
EXP.			59.7	40.4	26.9	8.3	7.3	2.6	1.1	1.8
	OBS./EXP.		1.006	0.916	1.190	0.848	0.955	0.000	0.000	2.792
	RELATIVE RISK		1.000	0.911	1.183	0.844	0.950	0.000	0.000	2.777
TEST	A=CD?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.3161	0.6463	0.5540	0.9113	0.8493	0.0767	0.3789	0.7515	0.2323	0.1387
TREND.										0.2496
1975-78	OBS.	147	56	38	27	8	10	3	2	3
EXP.			59.9	40.4	26.5	8.1	7.3	2.3	1.0	1.5
	OBS./EXP.		0.935	0.941	1.021	0.987	1.366	1.279	2.036	1.948
	RELATIVE RISK		1.000	1.006	1.091	1.056	1.661	1.367	2.178	2.083
TEST	A=CD?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.
PROB.	0.4485	0.4526	0.2884	0.4164	0.4444	0.3237	0.4406	0.2428	0.2127	0.7646
TREND.										0.0276

TABLE 10-12 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-12

HIROSHIMA + NAGASAKI, MALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	D A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	671 275.7	288 275.7	185 183.8	116 127.3	39 37.8	22 24.7	11 9.1	3 6.1	7 6.6		
	OBS./EXP. RELATIVE RISK	1.044 1.000	1.044 1.000	0.996 0.953	0.911 0.873	1.032 0.988	0.890 0.852	1.209 1.157	0.740 0.708	1.067 1.022		
	TEST PROB.	A=C? 0.8167	A=D? 0.5694	A=E? 0.7289	A=F? 0.4328	A=G? 0.7237	A=H? 0.5349	A=CD? 0.7935	A=EF? 0.6263	A=GH? 0.6543	MONO. 0.9174	TREND. 0.5483
1950-54	OBS. EXP.	148 60.3	72 60.3	32 42.0	25 28.0	7 7.8	8 5.5	1 1.9	1 0.9	2 1.3		
	OBS./EXP. RELATIVE RISK	1.193 1.000	1.193 1.000	0.761 0.638	0.892 0.747	0.900 0.754	1.449 1.215	0.527 0.442	1.165 0.976	1.296 1.086		
	TEST PROB.	A=C? 0.8005	A=D? 0.7167	A=E? 0.4039	A=F? 0.7714	A=G? 0.4451	A=H? 0.4112	A=CD? 0.8320	A=EF? 0.4526	A=GH? 0.4361	MONO. 0.4407	TREND. 0.3850
1955-59	OBS. EXP.	131 53.0	56 53.0	43 36.9	21 24.9	7 7.3	2 4.9	1 1.9	0 0.8	1 1.3		
	OBS./EXP. RELATIVE RISK	1.057 1.000	1.057 1.000	1.165 1.102	0.843 0.797	0.964 0.912	0.404 0.382	0.536 0.507	0.000 0.000	0.749 0.708		
	TEST PROB.	A=C? 0.7714	A=D? 0.5222	A=E? 0.8801	A=F? 0.7721	A=G? 0.8360	A=H? 0.7032	A=CD? 0.7505	A=EF? 0.8936	A=GH? 0.8045	MONO. 0.6741	TREND. 0.9283
1959-62	OBS. EXP.	116 49.0	47 49.0	39 31.6	18 21.3	3 6.7	6 4.2	1 1.4	1 0.7	1 1.0		
	OBS./EXP. RELATIVE RISK	0.959 1.000	0.959 1.000	1.234 1.287	0.844 0.880	0.447 0.466	1.423 1.484	0.697 0.727	1.477 1.560	0.966 1.007		
	TEST PROB.	A=C? 0.6580	A=D? 0.8719	A=E? 0.3368	A=F? 0.6632	A=G? 0.3353	A=H? 0.4524	A=CD? 0.7932	A=EF? 0.4028	A=GH? 0.3903	MONO. 0.6028	TREND. 0.5355
1963-66	OBS. EXP.	117 46.9	54 46.9	32 32.3	18 22.6	7 7.0	1 4.5	2 1.8	0 0.8	3 1.2		
	OBS./EXP. RELATIVE RISK	1.152 1.000	1.152 1.000	0.990 0.860	0.797 0.692	0.998 0.867	0.223 0.194	1.126 0.977	0.000 0.000	2.526 2.193		
	TEST PROB.	A=C? 0.8577	A=D? 0.6855	A=E? 0.9325	A=F? 0.6039	A=G? 0.8434	A=H? 0.3147	A=CD? 0.8566	A=EF? 0.9025	A=GH? 0.4071	MONO. 0.2974	TREND. 0.4339
1967-70	OBS. EXP.	69 28.8	25 28.8	20 18.4	14 13.2	5 4.2	2 2.5	3 1.0	0 0.4	0 0.7		
	OBS./EXP. RELATIVE RISK	0.869 1.000	0.869 1.000	1.089 1.254	1.062 1.222	1.203 1.385	0.813 0.936	2.978 3.428	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.4034	A=D? 0.4170	A=E? 0.4502	A=F? 0.1072	A=G? 0.7942	A=H? 0.8130	A=CD? 0.3556	A=EF? 0.2478	A=GH? 0.8364	MONO. 0.5367	TREND. 0.4690
1971-74	OBS. EXP.	56 23.6	25 23.6	11 14.6	8 11.0	7 3.3	2 1.8	3 0.8	0 0.4	0 0.5		
	OBS./EXP. RELATIVE RISK	1.061 1.000	1.061 1.000	0.751 0.707	0.728 0.686	2.123 2.000	1.101 1.037	3.848 3.626	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.7768	A=D? 0.1615	A=E? 0.5976	A=F? 0.1275	A=G? 0.5042	A=H? 0.8184	A=CD? 0.4612	A=EF? 0.2934	A=GH? 0.8477	MONO. 0.0627	TREND. 0.2284
1975-78	OBS. EXP.	34 13.9	9 13.9	8 9.1	12 6.9	3 2.0	1 1.1	0 0.4	1 0.3	0 0.2		
	OBS./EXP. RELATIVE RISK	0.646 1.000	0.646 1.000	0.876 1.356	1.743 2.696	1.469 2.272	0.906 1.401	0.000 0.000	3.340 5.167	0.000 0.000		
	TEST PROB.	A=C? 0.0767	A=D? 0.3075	A=E? 0.3575	A=F? 0.8055	A=G? 0.2629	A=H? 0.7779	A=CD? 0.0692	A=EF? 0.5291	A=GH? 0.2804	MONO. 0.2895	TREND. 0.3149

TABLE 10-14 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-14

MIROSHIMA + NAGASAKI, FEMALE, AGE ATB 0-9

YEAR CLASS	TOTAL	T=65 TOTAL DOSE IN RAD							
		0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H
1950-78 OBS. TOTAL	16	8	2	3	1	0	2	0	0
EXP.		6.2	4.9	3.2	0.8	0.4	0.2	0.1	0.1
OBS./EXP. RELATIVE RISK		1.300 1.000	0.404 0.311	0.927 0.713	1.256 0.989	0.000 0.000	9.445 7.265	0.000 0.000	0.000 0.000
TEST PROB.	A=C? 0.7244	A=D? 0.5696	A=E? 0.8289	A=F? 0.1895	A=G? 0.7779	A=H? 0.7894	A=CD? 0.6845	A=EF? 0.3752	A=GH? 0.8037
								HOMO. 0.0112	TREND. 0.1605
1950-54 OBS. TOTAL	0	0	0	0	0	0	0	0	0
EXP.									
OBS./EXP. RELATIVE R									
TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X
								HOMO. X	TREND. X
1955-58 OBS. TOTAL	1	0	0	0	0	0	1	0	0
EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	44.026 X	0.000 X	0.000 X
TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? 0.2398	A=G? X	A=H? X	A=CD? X	A=EF? 0.2398	A=GH? X
								HOMO. 0.0000	TREND. 0.0065
1959-62 OBS. TOTAL	1	1	0	0	0	0	0	0	0
EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
OBS./EXP. RELATIVE RISK		2.139 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	A=C? 0.8266	A=D? 0.7782	A=E? 0.7703	A=F? 0.7645	A=G? 0.7621	A=H? 0.7627	A=CD? 0.8379	A=EF? 0.7743	A=GH? 0.7645
								HOMO. 0.9923	TREND. 0.5952
1963-66 OBS. TOTAL	0	0	0	0	0	0	0	0	0
EXP.									
OBS./EXP. RELATIVE R									
TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X
								HOMO. X	TREND. X
1967-70 OBS. TOTAL	2	2	0	0	0	0	0	0	0
EXP.		0.7	0.7	0.4	0.1	0.1	0.0	0.0	0.0
OBS./EXP. RELATIVE RISK		2.987 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	A=C? 0.9036	A=D? 0.8195	A=E? 0.7992	A=F? 0.7827	A=G? 0.7700	A=H? 0.7775	A=CD? 0.9197	A=EF? 0.8159	A=GH? 0.7861
								HOMO. 0.7432	TREND. 0.7612
1971-74 OBS. TOTAL	5	1	2	2	0	0	0	0	0
EXP.		2.1	1.5	1.0	0.2	0.1	0.1	0.0	0.0
OBS./EXP. RELATIVE RISK		0.483 1.000	1.352 2.800	2.054 4.252	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	A=C? 0.3915	A=D? 0.7782	A=E? 0.7702	A=F? 0.7644	A=G? 0.7621	A=H? 0.7626	A=CD? 0.3540	A=EF? 0.7741	A=GH? 0.7644
								HOMO. 0.9398	TREND. 0.6466
1975-78 OBS. TOTAL	7	4	0	1	1	0	1	0	0
EXP.		2.7	2.1	1.4	0.3	0.2	0.1	0.0	0.1
OBS./EXP. RELATIVE RISK		1.459 1.000	0.000 0.000	0.713 0.489	2.972 2.038	0.000 0.000	11.254 7.716	0.000 0.000	0.000 0.000
TEST PROB.	A=C? 0.7664	A=D? 0.3067	A=E? 0.8040	A=F? 0.2619	A=G? 0.7711	A=H? 0.7785	A=CD? 0.6235	A=EF? 0.3231	A=GH? 0.7878
								HOMO. 0.0550	TREND. 0.1497

TABLE 10-15 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-15

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H		
1950-78 TOTAL	OBS. EXP.	45	12 16.3	12 12.8	8 7.7	1 2.7	6 2.9	1 1.4	3 0.6	2 0.5		
	OBS./EXP. RELATIVE RISK		0.738 1.000	0.934 1.265	1.037 1.404	0.367 0.497	2.047 2.772	0.707 0.958	5.307 7.187	3.661 4.958		
	TEST PROB.	A=C? 0.3508	A=D? 0.7422	A=E? 0.0969	A=F? 0.3962	A=G? 0.0246	A=H? 0.1193	A=CD? 0.4809	A=EF? 0.1544	A=GH? 0.0065	NOMO. 0.0052	TREND. 0.0004
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X	NOMO. X	TREND. X
1955-58	OBS. EXP.	3	1 1.4	2 0.7	0 0.5	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.720 1.000	2.705 3.758	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.8267	A=D? 0.7803	A=E? 0.7755	A=F? 0.7662	A=G? 0.7652	A=H? 0.7648	A=CD? 0.8393	A=EF? 0.7808	A=GH? 0.7697	NOMO. 0.8727	TREND. 0.7199
1959-62	OBS. EXP.	1	0 0.2	1 0.3	0 0.2	0 0.1	0 0.1	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	2.959 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X	NOMO. 0.9621	TREND. 0.6370
1963-66	OBS. EXP.	6	1 2.3	2 1.7	1 1.0	0 0.3	2 0.4	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.436 1.000	1.202 2.757	0.963 2.210	0.000 0.000	5.705 13.086	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.2896	A=D? 0.7802	A=E? 0.1378	A=F? 0.7662	A=G? 0.7653	A=H? 0.7649	A=CD? 0.3054	A=EF? 0.2077	A=GH? 0.7698	NOMO. 0.2207	TREND. 0.2701
1967-70	OBS. EXP.	9	3 3.2	3 2.6	0 1.5	0 0.6	1 0.6	1 0.3	0 0.1	1 0.1		
	OBS./EXP. RELATIVE RISK		0.937 1.000	1.158 1.236	0.000 0.000	0.000 0.000	1.667 1.778	3.460 3.692	0.000 0.000	9.013 9.615		
	TEST PROB.	A=C? 0.8697	A=D? 0.7977	A=E? 0.2902	A=F? 0.2377	A=G? 0.7702	A=H? 0.2469	A=CD? 0.8865	A=EF? 0.3924	A=GH? 0.2552	NOMO. 0.1171	TREND. 0.0109
1971-74	OBS. EXP.	13	5 4.8	2 3.7	2 2.2	0 0.8	2 0.8	0 0.4	2 0.2	0 0.2		
	OBS./EXP. RELATIVE RISK		1.038 1.000	0.545 0.525	0.895 0.863	0.000 0.000	2.479 2.389	0.000 0.000	12.366 11.917	0.000 0.000		
	TEST PROB.	A=C? 0.5694	A=D? 0.8384	A=E? 0.4667	A=F? 0.8089	A=G? 0.0446	A=H? 0.7802	A=CD? 0.6801	A=EF? 0.3658	A=GH? 0.1560	NOMO. 0.0008	TREND. 0.0286
1975-78	OBS. EXP.	13	2 4.3	2 3.9	5 2.2	1 0.8	1 1.0	0 0.5	1 0.2	1 0.2		
	OBS./EXP. RELATIVE RISK		0.461 1.000	0.519 1.124	2.271 4.924	1.179 2.556	1.050 2.276	0.000 0.000	6.030 13.075	6.067 13.155		
	TEST PROB.	A=C? 0.1407	A=D? 0.3106	A=E? 0.3274	A=F? 0.8074	A=G? 0.2506	A=H? 0.2464	A=CD? 0.1737	A=EF? 0.4140	A=GH? 0.0808	NOMO. 0.0404	TREND. 0.0055

TABLE 10-16 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-16

NIROSHIHA + NAGASAKI, FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	202	64	57	45	13	5	12	3	3
TOTAL	EXP.		79.1	57.6	38.3	11.7	7.7	3.3	1.8	2.5
	OBS./EXP.		0.809	0.990	1.175	1.111	0.649	3.601	1.651	1.182
	RELATIVE RISK		1.000	1.223	1.452	1.373	0.802	4.449	2.040	1.460
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.0904	0.3278	0.6207	0.0002	0.3079	0.4738	0.1004	0.0314	0.2307
1950-54	OBS.	9	4	3	1	0	0	1	0	0
	EXP.		3.8	2.5	1.7	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		1.062	1.224	0.594	0.000	0.000	8.046	0.000	0.000
	RELATIVE RISK		1.000	1.152	0.559	0.000	0.000	7.573	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.7160	0.8144	0.7914	0.2590	0.7682	0.7729	0.7739	0.3248	0.7802
1955-58	OBS.	17	6	5	3	2	0	1	0	0
	EXP.		6.6	4.9	3.2	1.0	0.7	0.3	0.2	0.2
	OBS./EXP.		0.911	1.027	0.929	2.008	0.000	3.484	0.000	0.000
	RELATIVE RISK		1.000	1.128	1.021	2.205	0.000	3.825	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4279	0.4514	0.8328	0.2672	0.7822	0.7686	0.4557	0.3761	0.8063
1959-62	OBS.	18	7	6	1	0	2	0	1	1
	EXP.		7.3	5.0	3.4	1.0	0.6	0.3	0.2	0.2
	OBS./EXP.		0.960	1.197	0.295	0.000	3.116	0.000	6.582	4.511
	RELATIVE RISK		1.000	1.246	0.308	0.000	3.245	0.000	6.853	4.801
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.8609	0.8572	0.3099	0.8017	0.2567	0.2654	0.9020	0.4826	0.1583
1963-66	OBS.	37	11	13	6	2	0	3	0	2
	EXP.		14.5	10.5	7.0	2.1	1.4	0.6	0.3	0.5
	OBS./EXP.		0.756	1.239	0.856	0.931	0.000	4.933	0.000	4.321
	RELATIVE RISK		1.000	1.639	1.132	1.232	0.000	6.525	0.000	5.715
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4274	0.5586	0.8680	0.0393	0.7961	0.1511	0.4334	0.3462	0.3036
1967-70	OBS.	27	8	4	11	4	1	0	1	0
	EXP.		10.3	7.8	5.1	1.6	1.1	0.5	0.3	0.3
	OBS./EXP.		0.581	0.513	2.139	2.533	0.928	0.000	3.929	0.000
	RELATIVE RISK		1.000	0.883	3.683	4.363	1.598	0.000	6.766	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.0362	0.0296	0.2887	0.7772	0.2543	0.7766	0.0271	0.3119	0.2791
1971-74	OBS.	41	12	13	10	3	1	2	0	0
	EXP.		15.9	11.8	7.8	2.4	1.6	0.7	0.4	0.5
	OBS./EXP.		0.756	1.103	1.287	1.258	0.625	2.874	0.000	0.000
	RELATIVE RISK		1.000	1.459	1.703	1.665	0.827	3.802	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1941	0.4088	0.8332	0.3063	0.7972	0.8056	0.1999	0.4580	0.8325
1975-78	OBS.	53	18	13	13	2	1	5	1	0
	EXP.		20.7	15.2	10.1	3.0	2.0	0.9	0.5	0.6
	OBS./EXP.		0.868	0.858	1.292	0.681	0.491	5.823	2.111	0.000
	RELATIVE RISK		1.000	0.989	1.490	0.782	0.566	6.712	2.433	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.3101	0.6498	0.6679	0.0010	0.2780	0.8079	0.3978	0.0683	0.3669

TABLE 10-17 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-17

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	572	206	167	129	35	16	8	4	7
TOTAL	EXP.		229.5	156.0	119.5	30.6	19.2	8.2	3.8	5.1
	OBS./EXP.		0.897	1.070	1.080	1.144	0.832	0.975	1.046	1.372
	RELATIVE RISK		1.000	1.193	1.203	1.275	0.927	1.087	1.165	1.529
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1253	0.1666	0.5596	0.4378	0.4326	0.2427	0.0886	0.4835	0.2326
1950-54	OBS.	38	13	11	7	4	1	1	1	0
	EXP.		13.3	10.3	8.0	2.0	1.3	0.5	0.3	0.3
	OBS./EXP.		0.852	1.066	0.879	1.970	0.778	1.839	3.875	0.000
	RELATIVE RISK		1.000	1.251	1.032	2.312	0.913	2.158	4.548	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4326	0.2344	0.5527	0.2947	0.2638	0.7923	0.3568	0.3277	0.3024
1955-58	OBS.	51	19	17	12	2	1	0	0	0
	EXP.		20.6	13.8	10.7	2.7	1.7	0.7	0.3	0.5
	OBS./EXP.		0.924	1.231	1.126	0.731	0.584	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.331	1.218	0.791	0.632	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3930	0.5896	0.6441	0.2066	0.7853	0.7914	0.4359	0.7291	0.8118
1959-62	OBS.	72	24	22	13	10	1	1	0	1
	EXP.		29.3	19.3	15.0	3.9	2.4	1.0	0.5	0.6
	OBS./EXP.		0.820	1.137	0.867	2.586	0.415	0.999	0.000	1.580
	RELATIVE RISK		1.000	1.387	1.058	3.156	0.506	1.219	0.000	1.927
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4504	0.0140	0.7567	0.3776	0.8015	0.3101	0.1666	0.6795	0.4120
1963-66	OBS.	67	27	21	14	4	1	0	0	0
	EXP.		27.1	18.1	14.0	3.6	2.2	1.0	0.4	0.6
	OBS./EXP.		0.997	1.161	1.001	1.115	0.444	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.165	1.004	1.119	0.448	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4560	0.4356	0.7757	0.8405	0.8037	0.8165	0.4614	0.8629	0.8463
1967-70	OBS.	107	39	30	28	3	4	0	0	3
	EXP.		43.8	28.6	22.2	5.7	3.6	1.5	0.7	1.0
	OBS./EXP.		0.891	1.049	1.261	0.525	1.124	0.000	0.000	3.143
	RELATIVE RISK		1.000	1.177	1.414	0.589	1.261	0.000	0.000	3.527
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2395	0.7746	0.4484	0.8636	0.5107	0.1342	0.3439	0.5732	0.3251
1971-74	OBS.	106	41	28	21	6	4	2	2	2
	EXP.		42.0	29.5	22.1	5.6	3.6	1.6	0.7	0.9
	OBS./EXP.		0.977	0.950	0.949	1.067	1.119	1.265	2.878	2.144
	RELATIVE RISK		1.000	0.973	0.972	1.092	1.146	1.296	2.947	2.196
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5147	0.4356	0.4396	0.3905	0.2324	0.3469	0.5209	0.3712	0.1110
1975-78	OBS.	131	43	38	34	6	4	4	1	1
	EXP.		52.1	36.4	27.3	6.9	4.4	1.9	0.9	1.1
	OBS./EXP.		0.825	1.045	1.244	0.864	0.912	2.149	1.172	0.897
	RELATIVE RISK		1.000	1.266	1.508	1.048	1.106	2.605	1.421	1.087
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1158	0.4388	0.4469	0.1409	0.3527	0.4274	0.1326	0.2680	0.3898

TABLE 10-18 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-18

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 50+

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	442	203	101	84	28	12	7	2	5
TOTAL	EXP.		189.6	121.7	88.4	23.7	10.3	4.6	2.0	1.8
	OBS./EXP.		1.071	0.830	0.950	1.182	1.167	1.532	1.020	2.771
	RELATIVE RISK		1.000	0.775	0.887	1.104	1.090	1.431	0.952	2.588
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8214	0.3754	0.4520	0.3140	0.5417	0.1069	0.7389	0.3097	0.0083
1950-54	OBS.	50	24	8	7	4	3	2	1	1
	EXP.		19.8	14.7	10.2	2.8	1.3	0.6	0.3	0.3
	OBS./EXP.		1.213	0.543	0.684	1.415	2.237	3.534	3.971	3.817
	RELATIVE RISK		1.000	0.448	0.564	1.167	1.845	2.914	3.274	3.148
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9267	0.4188	0.4120	0.3669	0.2789	0.2871	0.8616	0.2351	0.0016
1955-58	OBS.	71	31	19	14	5	0	1	0	1
	EXP.		28.1	20.9	14.7	4.0	1.9	0.8	0.3	0.3
	OBS./EXP.		1.104	0.909	0.951	1.248	0.000	1.263	0.000	3.152
	RELATIVE RISK		1.000	0.823	0.861	1.130	0.000	1.144	0.000	2.854
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6620	0.4319	0.8968	0.3870	0.8002	0.2884	0.6273	0.8232	0.4544
1959-62	OBS.	92	42	19	16	10	5	0	0	0
	EXP.		41.7	23.7	18.2	4.9	1.9	0.8	0.4	0.3
	OBS./EXP.		1.007	0.802	0.880	2.026	2.609	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.796	0.874	2.012	2.591	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6880	0.0821	0.0857	0.8273	0.7947	0.7916	0.4309	0.2091	0.3519
1963-66	OBS.	82	37	17	21	1	3	0	1	2
	EXP.		37.3	21.2	16.3	4.0	1.7	0.9	0.4	0.3
	OBS./EXP.		0.993	0.803	1.290	0.249	1.722	0.000	2.829	6.554
	RELATIVE RISK		1.000	0.808	1.299	0.250	1.734	0.000	2.850	6.601
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2910	0.8752	0.3771	0.8259	0.2756	0.0678	0.4655	0.6078	0.0179
1967-70	OBS.	58	26	14	9	5	0	3	0	1
	EXP.		26.4	13.2	11.2	2.8	1.2	0.6	0.2	0.2
	OBS./EXP.		0.978	0.922	0.801	1.776	0.000	5.037	0.000	5.381
	RELATIVE RISK		1.000	0.942	0.819	1.816	0.000	5.149	0.000	5.501
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8625	0.2512	0.8433	0.0516	0.7786	0.2583	0.4578	0.3847	0.0173
1971-74	OBS.	56	28	15	10	1	1	1	0	0
	EXP.		22.8	16.6	11.1	3.1	1.4	0.7	0.2	0.2
	OBS./EXP.		1.229	0.906	0.904	0.326	0.707	1.504	0.000	0.000
	RELATIVE RISK		1.000	0.737	0.735	0.285	0.575	1.224	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8106	0.9046	0.7507	0.4128	0.8021	0.7924	0.8935	0.6762	0.8255
1975-78	OBS.	33	15	9	7	2	0	0	0	0
	EXP.		13.9	9.3	6.7	1.7	0.8	0.3	0.1	0.1
	OBS./EXP.		1.081	0.967	1.042	1.147	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.894	0.964	1.061	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5820	0.3971	0.8198	0.7994	0.7715	0.7724	0.5492	0.8395	0.7821

TABLE 10-19 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-19

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-85 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2393	1068	590	444	118	80	44	17	32
TOTAL	EXP.	1079.6	619.8	442.7	118.0	75.2	26.2	12.5	19.1	
	OBS./EXP.	0.989	0.952	1.003	1.000	1.063	1.678	1.363	1.674	
	RELATIVE RISK	1.000	0.962	1.014	1.011	1.075	1.696	1.378	1.692	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4393	0.4945	0.3438	0.0079	0.1948	0.0198	0.4395	0.0592	0.0145
										0.0010
										0.0000
1950-54	OBS.	249	127	55	37	14	11	3	2	0
	EXP.	112.2	65.2	45.5	12.3	8.0	2.6	1.3	2.0	
	OBS./EXP.	1.132	0.844	0.813	1.141	1.382	1.149	1.566	0.000	
	RELATIVE RISK	1.000	0.745	0.718	1.007	1.220	1.015	1.383	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9062	0.4766	0.3766	0.4589	0.3840	0.9021	0.8689	0.3876	0.7865
										0.2460
										0.6621
1955-58	OBS.	292	134	76	52	16	6	5	2	1
	EXP.	131.7	75.6	53.9	14.7	9.2	3.1	1.5	2.3	
	OBS./EXP.	1.017	1.006	0.964	1.089	0.654	1.590	1.323	0.434	
	RELATIVE RISK	1.000	0.989	0.948	1.071	0.643	1.563	1.300	0.427	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6138	0.4780	0.8073	0.3176	0.3864	0.7912	0.5700	0.6478	0.6723
										0.8330
										0.6488
1959-62	OBS.	350	151	89	61	22	17	3	3	4
	EXP.	158.2	89.7	65.2	18.2	10.8	3.7	1.8	2.5	
	OBS./EXP.	0.955	0.992	0.936	1.212	1.981	0.809	1.695	1.571	
	RELATIVE RISK	1.000	1.040	0.980	1.270	1.656	0.847	1.776	1.645	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5492	0.2552	0.0911	0.6314	0.3626	0.3348	0.4343	0.1495	0.2163
										0.4375
										0.0418
1963-66	OBS.	368	168	89	72	14	9	7	1	8
	EXP.	166.6	94.4	68.4	18.3	11.4	4.2	1.9	2.9	
	OBS./EXP.	1.009	0.943	1.053	0.765	0.757	1.679	0.539	2.782	
	RELATIVE RISK	1.000	0.935	1.044	0.759	0.780	1.665	0.532	2.759	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4370	0.7861	0.7322	0.2253	0.7419	0.0301	0.5464	0.4712	0.1155
										0.0594
										0.0169
1967-70	OBS.	360	159	98	63	15	12	6	0	7
	EXP.	163.2	92.0	67.2	17.6	11.3	4.1	1.8	2.9	
	OBS./EXP.	0.974	1.063	0.938	0.854	1.062	1.474	0.000	2.433	
	RELATIVE RISK	1.000	1.093	0.962	0.876	1.090	1.513	0.000	2.497	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5927	0.6607	0.4616	0.3051	0.2782	0.0634	0.6338	0.3470	0.2624
										0.1979
										0.0708
1971-74	OBS.	375	171	83	74	17	13	7	4	6
	EXP.	169.1	97.3	69.8	18.0	11.7	4.2	1.9	3.0	
	OBS./EXP.	1.011	0.853	1.060	0.946	1.110	1.680	2.093	1.991	
	RELATIVE RISK	1.000	0.844	1.049	0.935	1.098	1.661	2.070	1.969	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4266	0.6076	0.4742	0.2268	0.2252	0.1637	0.4733	0.2820	0.0794
										0.2004
										0.0042
1975-78	OBS.	399	158	100	85	20	12	13	5	6
	EXP.	178.5	105.7	73.9	18.8	12.7	4.3	2.1	3.0	
	OBS./EXP.	0.885	0.946	1.150	1.063	0.943	3.057	2.391	1.986	
	RELATIVE RISK	1.000	1.070	1.300	1.201	1.066	3.454	2.702	2.244	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0915	0.3234	0.4583	0.0012	0.0852	0.1212	0.0906	0.0561	0.0272
										0.0001
										0.0000

TABLE 10-20 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-20

HIROSHIMA, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	22	11	7	2	1	0	0	0	1
TOTAL	EXP.		10.3	5.9	4.0	0.9	0.4	0.2	0.1	0.1
	OBS./EXP.		1.064	1.191	0.495	1.108	0.000	0.000	0.000	9.055
	RELATIVE RISK		1.000	1.119	0.465	1.041	0.000	0.000	0.000	8.511
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8191	0.4437	0.8084	0.7832	0.7708	0.2533	0.7857	0.8250	0.2647
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		2.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8266	0.7782	0.7703	0.7645	0.7621	0.7627	0.8379	0.7743	0.7645
1963-66	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
1967-70	OBS.	4	2	1	0	0	0	0	0	1
	EXP.		1.9	1.1	0.7	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		1.061	0.942	0.000	0.000	0.000	0.000	0.000	51.022
	RELATIVE RISK		1.000	0.888	0.000	0.000	0.000	0.000	0.000	48.092
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8514	0.7865	0.7738	0.7663	0.7630	0.2621	0.8651	0.7793	0.2439
1971-74	OBS.	7	2	4	1	0	0	0	0	0
	EXP.		3.3	1.9	1.3	0.3	0.1	0.1	0.0	0.0
	OBS./EXP.		0.608	2.136	0.777	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	3.511	1.278	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3703	0.7865	0.7738	0.7663	0.7629	0.7636	0.4606	0.7792	0.7662
1975-78	OBS.	10	6	2	1	1	0	0	0	0
	EXP.		4.7	2.7	1.8	0.4	0.2	0.1	0.0	0.0
	OBS./EXP.		1.275	0.750	0.542	2.431	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.588	0.425	1.906	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7941	0.3128	0.7900	0.7736	0.7663	0.7681	0.6970	0.8009	0.7738

TABLE 10-21 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-21

HIROSHIMA, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	Y-65 TOTAL DOSE [M RAD]								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	70	24	23	12	1	2	1	3	4
TOTAL	EXP.		31.7	20.5	10.9	2.6	2.1	0.9	0.6	0.8
	OBS./EXP.		0.758	1.121	1.105	0.391	0.955	1.138	5.001	4.889
	RELATIVE RISK		1.000	1.480	1.459	0.516	1.261	1.503	6.601	6.453
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2741	0.7544	0.3911	0.3412	0.0264	0.0088	0.3619	0.4099	0.0006
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	4	1	3	0	0	0	0	0	0
	EXP.		1.8	1.1	0.7	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.545	2.830	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	5.191	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.8267	0.7803	0.7755	0.7662	0.7652	0.7646	0.8393	0.7808	0.7697
1959-62	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	X	X	X	X	X	X	X	X	X
1963-66	OBS.	7	3	2	1	0	1	0	0	0
	EXP.		3.2	1.9	1.1	0.3	0.2	0.1	0.1	0.1
	OBS./EXP.		0.941	1.026	0.879	0.000	4.612	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.091	0.934	0.000	4.903	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.5639	0.7917	0.2637	0.7720	0.7683	0.7715	0.6513	0.2749	0.7789
1967-70	OBS.	10	4	4	1	0	0	0	0	1
	EXP.		4.5	2.8	1.6	0.4	0.3	0.1	0.1	0.1
	OBS./EXP.		0.879	1.409	0.627	0.000	0.000	0.000	0.000	8.807
	RELATIVE RISK		1.000	1.603	0.713	0.000	0.000	0.000	0.000	10.016
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.6774	0.8031	0.7940	0.7746	0.7717	0.2501	0.7324	0.8054	0.2609
1971-74	OBS.	21	8	6	4	0	1	0	2	0
	EXP.		9.5	6.1	3.3	0.8	0.6	0.3	0.2	0.2
	OBS./EXP.		0.840	0.977	1.228	0.000	1.599	0.000	11.027	0.000
	RELATIVE RISK		1.000	1.163	1.660	0.000	1.903	0.000	13.123	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4436	0.8257	0.3152	0.7852	0.0251	0.7825	0.4145	0.3636	0.1436
1975-78	OBS.	28	8	8	6	1	0	1	1	3
	EXP.		12.6	8.5	4.2	1.0	0.8	0.3	0.2	0.3
	OBS./EXP.		0.634	0.939	1.432	1.034	0.000	2.894	4.551	9.341
	RELATIVE RISK		1.000	1.481	2.259	1.632	0.000	4.568	7.182	14.741
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1962	0.3251	0.8121	0.2640	0.2551	0.0015	0.1973	0.3550	0.0011

TABLE 10-22 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-22

MIYOSKIMA, MALE + FEMALE, AGE ATB 20-34

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	273	108	74	57	8	10	10	2	4
TOTAL	EXP.	121.3	74.3	47.5	12.9	8.3	3.5	2.0	2.9	
	OBS./EXP.	0.890	0.996	1.192	0.621	1.211	2.861	1.021	1.360	
	RELATIVE RISK	1.000	1.119	1.339	0.698	1.361	3.214	1.147	1.528	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1121	0.7818	0.3114	0.0077	0.4100	0.3844	0.2151	0.0368	0.0298
1950-54	OBS.	12	6	5	1	0	0	0	0	0
	EXP.	5.3	3.2	2.1	0.6	0.4	0.1	0.1	0.1	0.1
	OBS./EXP.	1.127	1.546	0.469	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	1.372	0.416	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.7996	0.8267	0.8045	0.7805	0.7720	0.7779	0.8460	0.8196	0.7884
1955-58	OBS.	15	5	3	4	2	0	1	0	0
	EXP.	6.7	3.9	2.7	0.8	0.4	0.2	0.1	0.1	0.2
	OBS./EXP.	0.748	0.760	1.469	2.580	0.000	5.773	0.000	0.000	0.000
	RELATIVE RISK	1.000	1.017	1.964	3.430	0.000	7.720	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.3505	0.3142	0.7969	0.2538	0.7498	0.7752	0.2316	0.2980	0.7838
1959-62	OBS.	21	8	5	2	0	3	0	1	2
	EXP.	9.4	5.6	3.7	1.0	0.6	0.3	0.1	0.1	0.2
	OBS./EXP.	0.856	0.889	0.534	0.000	4.845	0.000	6.825	8.887	8.887
	RELATIVE RISK	1.000	1.040	0.624	0.000	5.663	0.000	7.977	10.387	10.387
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.7335	0.8419	0.0610	0.7849	0.2540	0.0433	0.8037	0.1296	0.0123
1963-66	OBS.	47	16	14	11	0	1	3	0	2
	EXP.	21.0	12.7	8.3	2.2	1.4	0.6	0.3	0.3	0.5
	OBS./EXP.	0.764	1.103	1.330	0.000	0.715	5.003	0.000	3.955	3.955
	RELATIVE RISK	1.000	1.444	1.742	0.000	0.936	6.551	0.000	5.179	5.179
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1932	0.8815	0.5808	0.0293	0.7877	0.1477	0.3361	0.1733	0.2918
1967-70	OBS.	43	15	12	11	3	2	0	0	0
	EXP.	19.1	11.8	7.4	2.0	1.3	0.6	0.3	0.3	0.5
	OBS./EXP.	0.783	1.017	1.486	1.530	1.505	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	1.298	1.897	1.953	1.920	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1633	0.3480	0.4130	0.8064	0.7875	0.7986	0.1395	0.3836	0.8197
1971-74	OBS.	55	23	13	14	2	2	1	0	0
	EXP.	24.5	15.0	9.4	2.6	1.7	0.7	0.4	0.4	0.6
	OBS./EXP.	0.939	0.867	1.459	0.780	1.201	1.420	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.923	1.553	0.830	1.278	1.512	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2135	0.6165	0.3907	0.3480	0.7997	0.8146	0.2685	0.4085	0.8421
1975-78	OBS.	80	35	22	14	1	2	5	1	0
	EXP.	35.4	22.2	13.9	3.6	2.5	1.0	0.6	0.6	0.8
	OBS./EXP.	0.989	0.993	1.008	0.275	0.415	4.857	1.729	0.000	0.000
	RELATIVE RISK	1.000	1.005	1.019	0.278	0.824	4.913	1.749	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4627	0.8717	0.6407	0.0119	0.3223	0.8335	0.6409	0.1503	0.6765

TABLE 10-23 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-23

MIYOSHIWA, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	1074	448	251	215	55	41	19	8	17
TOTAL	EXP.		481.8	272.3	202.6	52.1	38.2	12.2	5.5	9.2
	OBS./EXP.		0.971	0.922	1.061	1.055	1.072	1.562	1.467	1.842
	RELATIVE RISK		1.000	0.949	1.092	1.086	1.106	1.608	1.511	1.897
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2280	0.3591	0.3717	0.0903	0.2549	0.0434	0.2147	0.1675	0.0324
1950-54	OBS.	76	32	16	15	6	4	2	1	0
	EXP.		34.1	19.2	14.3	3.7	2.7	0.9	0.4	0.7
	OBS./EXP.		0.938	0.835	1.051	1.605	1.467	2.252	2.285	0.000
	RELATIVE RISK		1.000	0.890	1.120	1.712	1.586	2.401	2.436	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4623	0.2588	0.3803	0.3811	0.2935	0.8195	0.3313	0.2412	0.5641
1955-58	OBS.	111	51	25	21	5	4	2	2	1
	EXP.		49.8	28.1	20.8	5.5	3.9	1.3	0.6	1.0
	OBS./EXP.		1.025	0.888	1.011	0.917	1.014	1.557	3.207	0.980
	RELATIVE RISK		1.000	0.867	0.986	0.895	0.989	1.520	3.129	0.956
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.5365	0.6118	0.5347	0.3848	0.2750	0.5638	0.5643	0.4370	0.3768
1959-62	OBS.	135	55	31	30	11	4	2	1	1
	EXP.		60.6	34.1	25.4	6.6	4.8	1.5	0.7	1.2
	OBS./EXP.		0.908	0.908	1.181	1.660	0.833	1.297	1.391	0.832
	RELATIVE RISK		1.000	1.000	1.301	1.828	0.917	1.428	1.532	0.916
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.2235	0.1250	0.6025	0.3832	0.3374	0.5914	0.1334	0.4552	0.4095
1963-66	OBS.	142	65	32	27	9	4	3	0	2
	EXP.		63.8	36.1	26.6	6.8	5.2	1.6	0.7	1.3
	OBS./EXP.		1.019	0.887	1.315	1.326	0.774	1.860	0.000	1.555
	RELATIVE RISK		1.000	0.871	0.996	1.301	0.760	1.826	0.000	1.526
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.5185	0.3571	0.6982	0.3590	0.8230	0.3851	0.4601	0.4753	0.5272
1967-70	OBS.	189	88	52	32	4	8	1	0	4
	EXP.		84.8	47.7	36.0	9.0	6.7	2.1	0.9	1.6
	OBS./EXP.		1.037	1.089	0.888	0.442	1.189	0.472	0.000	2.511
	RELATIVE RISK		1.000	1.050	0.856	0.426	1.147	0.435	0.000	2.421
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.7238	0.9081	0.4592	0.7815	0.8359	0.1789	0.8413	0.5583	0.3755
1971-74	OBS.	199	91	41	41	8	8	2	2	6
	EXP.		89.0	50.9	37.7	9.6	7.1	2.2	0.9	1.6
	OBS./EXP.		1.023	0.806	1.087	0.837	1.120	0.896	2.266	3.757
	RELATIVE RISK		1.000	0.788	1.063	0.819	1.095	0.876	2.216	3.674
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4380	0.6884	0.4488	0.6108	0.4120	0.9202	0.4749	0.4526	0.0177
1975-78	OBS.	222	86	54	49	12	9	7	2	3
	EXP.		99.5	57.0	42.0	10.6	7.9	2.3	0.9	1.6
	OBS./EXP.		0.864	0.947	1.165	1.130	1.133	3.017	2.147	1.910
	RELATIVE RISK		1.000	1.096	1.349	1.308	1.312	3.492	2.484	2.211
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.1314	0.3130	0.3618	0.0160	0.3531	0.2760	0.1188	0.0793	0.1449

TABLE 10-24 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-24

HIROSHIMA, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	954	457	235	158	53	27	14	4	6
TOTAL	EXP.		434.3	246.8	177.3	69.5	26.2	9.5	4.4	6.0
	OBS./EXP.		1.052	0.952	0.891	1.071	1.031	1.478	0.915	0.998
	RELATIVE RISK		1.000	0.905	0.847	1.017	0.980	1.403	0.869	0.948
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9050	0.4870	0.5380	0.2191	0.6246	0.5652	0.8596	0.3647	0.3106
1950-54	OBS.	161	89	34	21	8	7	1	1	0
	EXP.		72.7	42.8	29.1	7.9	4.9	1.6	0.6	1.2
	OBS./EXP.		1.224	0.795	0.721	1.008	1.425	0.636	1.325	0.000
	RELATIVE RISK		1.000	0.650	0.589	0.822	1.164	0.519	1.083	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9491	0.6858	0.4685	0.7526	0.4224	0.8707	0.9410	0.4710	0.8020
1955-58	OBS.	162	77	45	27	9	2	2	0	0
	EXP.		73.4	42.4	29.7	8.3	4.7	1.6	0.7	1.1
	OBS./EXP.		1.049	1.061	0.908	1.085	0.429	1.222	0.000	0.000
	RELATIVE RISK		1.000	1.012	0.866	1.034	0.409	1.165	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7016	0.4550	0.8564	0.4015	0.8285	0.8498	0.6645	0.7947	0.8872
1959-62	OBS.	193	87	53	29	11	10	1	1	1
	EXP.		87.8	49.7	35.9	10.4	5.3	1.9	0.9	1.1
	OBS./EXP.		0.991	1.067	0.808	1.053	1.883	0.526	1.111	0.597
	RELATIVE RISK		1.000	1.077	0.815	1.043	1.900	0.531	1.121	0.905
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7721	0.4558	0.1037	0.7670	0.4061	0.5856	0.7167	0.1987	0.4759
1963-66	OBS.	172	84	41	33	5	3	1	1	4
	EXP.		78.6	43.7	32.4	9.0	4.7	1.9	0.8	1.0
	OBS./EXP.		1.068	0.939	1.018	0.557	0.644	0.535	1.302	3.980
	RELATIVE RISK		1.000	0.879	0.953	0.521	0.603	0.501	1.219	3.726
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5892	0.8759	0.7800	0.7626	0.3829	0.0584	0.7303	0.8215	0.1022
1967-70	OBS.	114	50	29	19	8	2	5	0	1
	EXP.		52.8	28.6	21.4	6.0	2.9	1.2	0.5	0.7
	OBS./EXP.		0.948	1.014	0.888	1.332	0.700	4.108	0.000	1.471
	RELATIVE RISK		1.000	1.070	0.937	1.405	0.738	4.334	0.000	1.552
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5977	0.3145	0.6780	0.0182	0.8040	0.3290	0.4691	0.1911	0.5645
1971-74	OBS.	93	47	19	14	7	2	4	0	0
	EXP.		42.8	23.4	17.9	4.8	2.1	0.9	0.4	0.5
	OBS./EXP.		1.097	0.812	0.780	1.459	0.937	4.410	0.000	0.000
	RELATIVE RISK		1.000	0.740	0.711	1.330	0.854	4.020	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2138	0.3867	0.6182	0.0468	0.8050	0.3156	0.7122	0.2227	0.8461
1975-78	OBS.	59	23	14	15	5	1	0	1	0
	EXP.		26.3	15.3	11.9	3.2	1.3	0.5	0.3	0.2
	OBS./EXP.		0.875	0.917	1.259	1.568	0.760	0.000	3.893	0.000
	RELATIVE RISK		1.000	1.048	1.438	1.792	0.868	0.000	3.534	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2582	0.2666	0.5896	0.8024	0.2687	0.7813	0.1971	0.6953	0.2969

TABLE 10-25 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-25

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	574	112	203	128	48	33	24	10	16
TOTAL	EXP.		122.9	204.5	119.7	46.1	40.2	20.4	8.9	11.2
	OBS./EXP.		0.912	0.993	1.069	1.040	0.821	1.175	1.124	1.423
	RELATIVE RISK		1.000	1.089	1.173	1.141	0.900	1.289	1.233	1.561
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2261	0.3174	0.6560	0.2323	0.3762	0.1311	0.2194	0.4765	0.1040
1950-54	OBS.	56	10	15	14	4	4	4	1	4
	EXP.		11.5	20.7	13.1	4.2	3.3	1.6	0.7	1.0
	OBS./EXP.		0.868	0.724	1.072	0.957	1.226	2.565	1.444	3.947
	RELATIVE RISK		1.000	0.834	1.236	1.103	1.413	2.956	1.665	4.548
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4898	0.4228	0.4696	0.1555	0.3216	0.0462	0.4806	0.2139	0.0002
1955-58	OBS.	65	14	29	15	3	0	1	1	2
	EXP.		12.8	24.6	15.1	4.9	3.8	1.9	0.8	1.1
	OBS./EXP.		1.092	1.181	0.990	0.611	0.000	0.539	1.274	1.788
	RELATIVE RISK		1.000	1.081	0.907	0.559	0.000	0.494	1.166	1.637
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3819	0.8035	0.9510	0.7548	0.3940	0.3893	0.6892	0.9434	0.4662
1959-62	OBS.	58	8	25	13	3	4	0	1	2
	EXP.		11.9	19.9	11.7	4.7	3.9	1.9	0.9	1.2
	OBS./EXP.		0.671	1.253	1.110	0.644	1.038	0.000	1.163	1.735
	RELATIVE RISK		1.000	1.869	1.655	0.960	1.548	0.000	1.734	2.587
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2836	0.5422	0.4302	0.8622	0.3184	0.4094	0.3450	0.4326	0.3351
1963-66	OBS.	85	19	30	14	12	3	4	0	3
	EXP.		18.6	29.6	17.8	7.0	5.9	3.0	1.4	1.8
	OBS./EXP.		1.023	1.013	0.789	1.717	0.506	1.332	0.000	1.713
	RELATIVE RISK		1.000	0.990	0.771	1.679	0.495	1.302	0.000	1.675
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7373	0.1849	0.8412	0.4309	0.8697	0.4384	0.4608	0.7123	0.5861
1967-70	OBS.	92	18	28	23	9	4	7	2	1
	EXP.		20.7	31.6	18.1	7.6	6.9	3.6	1.5	1.9
	OBS./EXP.		0.868	0.886	1.267	1.181	0.579	1.946	1.318	0.533
	RELATIVE RISK		1.000	1.020	1.459	1.360	0.687	2.241	1.517	0.614
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2602	0.3610	0.7414	0.1504	0.3806	0.7191	0.2437	0.4588	0.5136
1971-74	OBS.	108	21	42	18	11	9	5	1	1
	EXP.		23.6	38.4	21.4	8.7	8.0	4.1	1.8	2.0
	OBS./EXP.		0.889	1.094	0.840	1.257	1.129	1.219	0.571	0.501
	RELATIVE RISK		1.000	1.231	0.945	1.414	1.269	1.371	0.642	0.564
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6181	0.3208	0.4187	0.4488	0.6951	0.7183	0.4597	0.3790	0.7338
1975-78	OBS.	112	22	34	31	6	9	3	4	3
	EXP.		24.8	38.9	21.9	9.2	8.7	4.5	1.9	2.1
	OBS./EXP.		0.888	0.875	1.416	0.652	1.039	0.667	2.055	1.397
	RELATIVE RISK		1.000	0.985	1.595	0.735	1.171	0.751	2.315	1.574
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1329	0.7288	0.4376	0.6695	0.2044	0.4452	0.2627	0.4490	0.1819

TABLE 10-26 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-26

NAGASAKI, MALE + FEMALE, AGE 17B 0-9

YEAR CLASS	TOTAL	T-65 TOTAL DOSE IN RAD								T-65 TOTAL DOSE IN RAD
		0	1-9	10-49	50-99	100-199	200-299	300-399	400+	
		A	B	C	D	E	F	G	H	
1950-78 OBS. TOTAL	6	2	0	1	0	0	3	0	0	
		1.2	2.4	1.5	0.4	0.2	0.1	0.1	0.1	
OBS./EXP. RELATIVE RISK		1.657	0.000	0.664	0.000	0.000	21.780	0.000	0.000	
		1.000	0.000	0.401	0.000	0.000	13.145	0.000	0.000	
TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO. TREND.
	0.8038	0.8401	0.8142	0.0229	0.7743	0.7855	0.8481	0.1890	0.7974	0.0000 0.0035
1950-54 OBS. TOTAL	0	0	0	0	0	0	0	0	0	
OBS./EXP. RELATIVE R										
TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO. TREND.
	X	X	X	X	X	X	X	X	X	X X
1955-58 OBS. TOTAL	1	0	0	0	0	0	1	0	0	
		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	
OBS./EXP. RELATIVE RISK		0.000	0.000	0.000	0.000	0.000	44.026	0.000	0.000	
		X	X	X	X	X	X	X	X	
TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO. TREND.
	X	X	X	0.2398	X	X	X	0.2398	X	0.0000 0.0047
1959-62 OBS. TOTAL	0	0	0	0	0	0	0	0	0	
OBS./EXP. RELATIVE R										
TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO. TREND.
	X	X	X	X	X	X	X	X	X	X X
1963-66 OBS. TOTAL	1	0	0	0	0	0	1	0	0	
		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	
OBS./EXP. RELATIVE RISK		0.000	0.000	0.000	0.000	0.000	37.887	0.000	0.000	
		X	X	X	X	X	X	X	X	
TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO. TREND.
	X	X	X	0.2398	X	X	X	0.2398	X	0.0000 0.0119
1967-70 OBS. TOTAL	1	1	0	0	0	0	0	0	0	
		0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	
OBS./EXP. RELATIVE RISK		4.933	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO. TREND.
	0.9040	0.8183	0.7983	0.7824	0.7698	0.7774	0.9243	0.3155	0.7859	0.7874 0.6556
1971-74 OBS. TOTAL	1	0	0	1	0	0	0	0	0	
		0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	
OBS./EXP. RELATIVE RISK		0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	
		X	X	X	X	X	X	X	X	
TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO. TREND.
	0.2398	X	X	X	X	X	0.2398	X	X	0.8841 0.5668
1975-78 OBS. TOTAL	2	1	0	0	0	0	1	0	0	
		0.4	0.8	0.5	0.1	0.1	0.0	0.0	0.0	
OBS./EXP. RELATIVE RISK		2.471	0.000	0.000	0.000	0.000	22.530	0.000	0.000	
		1.000	0.000	0.000	0.000	0.000	9.120	0.000	0.000	
TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO. TREND.
	0.9058	0.8187	0.7986	0.2523	0.7699	0.7775	0.9244	0.2784	0.7861	0.0017 0.0662

TABLE 10-27 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-27

NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
			A	B	C	D	E	F	G	H		
1950-78	OBS.	45	4	18	6	3	5	4	4	1		
TOTAL	EXP.		9.5	16.3	7.4	3.6	4.6	2.2	0.6	0.9		
	OBS./EXP.		0.423	1.107	0.814	0.842	1.094	1.798	6.302	1.097		
	RELATIVE RISK		1.000	2.618	1.925	1.991	2.589	4.254	14.909	2.594		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3225	0.4283	0.2298	0.1084	0.0012	0.2902	0.2838	0.1162	0.0148	0.0017	0.0059
1950-54	OBS.	0	0	0	0	0	0	0	0	0		
	EXP.											
	OBS./EXP.											
	RELATIVE R											
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	X	X	X	X	X	X	X	X	X	X	X
1955-58	OBS.	1	0	1	0	0	0	0	0	0		
	EXP.		0.2	0.4	0.2	0.1	0.1	0.0	0.0	0.0		
	OBS./EXP.		0.000	2.622	0.000	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		X	X	X	X	X	X	X	X		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	X	X	X	X	X	X	X	X	X	0.9778	0.6823
1959-62	OBS.	2	0	1	0	0	0	0	1	0		
	EXP.		0.4	0.7	0.3	0.2	0.2	0.1	0.0	0.0		
	OBS./EXP.		0.000	1.392	0.000	0.000	0.000	0.000	35.138	0.000		
	RELATIVE RISK		X	X	X	X	X	X	X	X		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	X	X	X	X	0.2398	X	X	X	0.2398	0.0000	0.0414
1963-66	OBS.	3	0	2	0	0	1	0	0	0		
	EXP.		0.6	1.1	0.5	0.2	0.3	0.2	0.0	0.1		
	OBS./EXP.		0.000	1.896	0.000	0.000	3.191	0.000	0.000	0.000		
	RELATIVE RISK		X	X	X	X	X	X	X	X		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	X	X	0.2398	X	X	X	X	0.2398	X	0.7816	0.5174
1967-70	OBS.	10	1	5	1	0	1	2	0	0		
	EXP.		2.1	3.6	1.6	0.8	1.3	0.5	0.1	0.2		
	OBS./EXP.		0.477	1.382	0.608	0.000	0.957	4.065	0.000	0.000		
	RELATIVE RISK		1.000	2.895	1.274	0.000	2.068	8.516	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.3815	0.8259	0.3059	0.2041	0.7742	0.7841	0.6236	0.3198	0.7960	0.4170	0.3002
1971-74	OBS.	13	2	5	0	2	1	2	1	0		
	EXP.		2.7	4.7	2.1	1.0	1.3	0.6	0.2	0.3		
	OBS./EXP.		0.734	1.066	0.000	1.932	0.758	3.148	5.424	0.000		
	RELATIVE RISK		1.000	1.452	0.000	2.631	1.032	4.287	7.386	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.9019	0.4040	0.4554	0.3014	0.2556	0.7887	0.6226	0.4278	0.2779	0.1801	0.0900
1975-78	OBS.	16	1	4	5	1	2	0	2	1		
	EXP.		3.4	5.7	2.6	1.3	1.6	0.8	0.2	0.3		
	OBS./EXP.		0.294	0.699	1.889	0.754	1.221	0.000	9.043	3.146		
	RELATIVE RISK		1.000	2.363	6.388	2.653	4.129	0.000	30.589	10.640		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
	PROB.	0.1426	0.2878	0.4519	0.8079	0.0195	0.2497	0.1804	0.3577	0.0253	0.0038	0.0165

TABLE 10-28 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-28

NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR CLASS		T-65 TOTAL OOSE IN RAO								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	89	19	26	16	10	6	9	2	1
TOTAL	EXP.		20.2	28.9	16.2	7.8	7.8	4.4	1.9	1.8
	OBS./EXP.		0.939	0.900	0.988	1.290	0.773	2.024	1.037	0.553
	RELATIVE RISK		1.000	0.959	1.053	1.373	0.823	2.155	1.104	0.539
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4537	0.3427	0.6677	0.1224	0.4192	0.7160	0.4271	0.3526	0.6234
1950-54	OBS.	2	0	1	0	0	0	1	0	0
	EXP.		0.5	0.7	0.4	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		0.000	1.534	0.000	0.000	0.000	9.843	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	0.2398	X	X	0.2398	X	0.2262
1955-58	OBS.	4	1	3	0	0	0	0	0	0
	EXP.		0.8	1.5	0.8	0.3	0.3	0.1	0.1	0.1
	OBS./EXP.		1.281	1.996	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.559	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8945	0.3264	0.3244	0.7962	0.7785	0.7820	0.9186	0.8478	0.7978
1959-62	OBS.	5	1	4	0	0	0	0	0	0
	EXP.		1.1	1.7	0.9	0.4	0.4	0.2	0.1	0.1
	OBS./EXP.		0.900	2.400	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	2.666	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3943	0.8245	0.3250	0.7966	0.7788	0.7812	0.9185	0.8486	0.7973
1963-66	OBS.	12	5	5	0	2	0	0	0	0
	EXP.		2.6	4.1	2.3	1.0	1.0	0.6	0.2	0.2
	OBS./EXP.		1.917	1.229	0.000	2.007	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.641	0.000	1.047	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9538	0.4416	0.9006	0.8608	0.8132	0.8093	0.8927	0.9363	0.8479
1967-70	OBS.	16	3	2	5	2	0	3	1	0
	EXP.		3.7	5.0	2.9	1.4	1.4	0.8	0.4	0.3
	OBS./EXP.		0.812	0.397	1.737	1.398	0.000	3.579	2.827	0.000
	RELATIVE RISK		1.000	0.489	2.160	1.722	0.000	4.411	3.484	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3175	0.3651	0.8718	0.1898	0.2753	0.7923	0.3403	0.3893	0.3172
1971-74	OBS.	20	3	6	1	3	4	3	0	0
	EXP.		4.5	6.5	3.6	1.8	1.8	1.0	0.4	0.4
	OBS./EXP.		0.661	0.924	0.276	1.704	2.273	3.043	0.000	0.000
	RELATIVE RISK		1.000	1.399	0.418	2.579	3.461	4.607	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2015	0.3340	0.1934	0.1525	0.7972	0.7968	0.4255	0.1096	0.8259
1975-78	OBS.	30	6	5	10	3	2	2	1	1
	EXP.		7.0	9.5	5.3	2.8	2.6	1.5	0.7	0.6
	OBS./EXP.		0.857	0.528	1.878	1.084	0.763	1.340	1.430	1.623
	RELATIVE RISK		1.000	0.616	2.192	1.265	0.890	1.564	1.668	1.894
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1903	0.3976	0.5988	0.3732	0.3281	0.3078	0.2377	0.4164	0.3836

TABLE 10-29 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-29

NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	275	53	108	63	21	15	4	3	8
TOTAL	EXP.		61.0	96.3	56.3	22.5	18.8	9.4	4.6	6.1
	OBS./EXP.		0.869	1.121	1.119	0.935	0.796	0.424	0.647	1.317
	RELATIVE RISK		1.000	1.290	1.288	1.075	0.916	0.488	0.744	1.515
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1752	0.4927	0.8261	0.8798	0.6986	0.2733	0.2153	0.7852	0.8055
1950-54	OBS.	17	3	8	3	1	0	1	0	1
	EXP.		3.6	6.1	3.5	1.4	1.1	0.6	0.3	0.4
	OBS./EXP.		0.824	1.319	0.846	0.740	0.000	1.781	0.000	2.508
	RELATIVE RISK		1.000	1.601	1.026	0.898	0.000	2.136	0.000	3.043
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4019	0.5834	0.8558	0.3029	0.7923	0.2817	0.4523	0.6761	0.3236
1955-58	OBS.	19	3	8	7	0	0	0	1	0
	EXP.		4.0	6.9	4.0	1.5	1.2	0.6	0.3	0.4
	OBS./EXP.		0.749	1.161	1.750	0.000	0.000	0.000	3.132	0.000
	RELATIVE RISK		1.000	1.551	2.337	0.000	0.000	0.000	4.183	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2245	0.8718	0.3599	0.8154	0.2716	0.8016	0.3757	0.8875	0.3247
1959-62	OBS.	34	5	15	8	1	3	0	0	2
	EXP.		7.5	11.9	6.8	2.9	2.4	1.2	0.6	0.8
	OBS./EXP.		0.669	1.259	1.171	0.347	1.250	0.000	0.000	2.644
	RELATIVE RISK		1.000	1.881	1.750	0.519	1.868	0.000	0.000	3.950
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3059	0.7506	0.4496	0.3380	0.8026	0.2599	0.4361	0.5946	0.4324
1963-66	OBS.	42	7	15	8	7	1	2	0	2
	EXP.		9.6	14.3	8.3	3.6	3.0	1.5	0.7	0.9
	OBS./EXP.		0.728	1.049	0.968	1.925	0.331	1.331	0.000	2.106
	RELATIVE RISK		1.000	1.442	1.330	2.645	0.455	1.829	0.000	2.894
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4496	0.1319	0.7796	0.3881	0.8137	0.3467	0.2437	0.5938	0.3775
1967-70	OBS.	52	12	16	13	5	3	1	1	1
	EXP.		12.1	17.6	10.4	4.4	3.6	1.9	0.9	1.2
	OBS./EXP.		0.999	0.909	1.256	1.144	0.823	0.538	1.137	0.860
	RELATIVE RISK		1.000	0.919	1.269	1.156	0.832	0.544	1.150	0.869
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4755	0.4228	0.6454	0.7421	0.4007	0.6101	0.4324	0.7089	0.5293
1971-74	OBS.	55	10	24	12	5	3	0	0	1
	EXP.		12.7	19.0	11.3	4.3	3.8	1.9	0.9	1.1
	OBS./EXP.		0.790	1.243	1.061	1.158	0.798	0.000	0.000	0.888
	RELATIVE RISK		1.000	1.599	1.343	1.466	1.010	0.000	0.000	1.124
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3620	0.4224	0.5195	0.8765	0.8302	0.4033	0.3425	0.7337	0.7098
1975-78	OBS.	56	13	22	12	2	5	0	1	1
	EXP.		12.5	19.7	11.7	4.4	3.9	1.9	0.9	1.1
	OBS./EXP.		1.042	1.116	1.022	0.452	1.329	0.000	1.106	0.922
	RELATIVE RISK		1.000	1.072	0.981	0.434	1.276	0.000	1.062	0.885
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5277	0.8416	0.4388	0.8947	0.4377	0.5941	0.6672	0.6416	0.5516

TABLE 10-30 MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM

TABLE 10-30

NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	159	34	51	42	14	7	4	1	6
TOTAL	EXP.		31.0	60.7	38.4	12.0	8.8	4.2	1.6	2.3
	OBS./EXP.		1.097	0.840	1.094	1.171	0.796	0.956	0.608	2.554
	RELATIVE RISK		1.000	0.766	0.998	1.067	0.725	0.871	0.554	2.328
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5590	0.4599	0.7488	0.6240	0.7358	0.1251	0.5127	0.7371	0.2729
1950-54	OBS.	37	7	6	11	3	4	2	1	3
	EXP.		7.4	14.0	9.1	2.7	1.9	0.9	0.4	0.6
	OBS./EXP.		0.942	0.429	1.203	1.130	2.055	2.247	2.812	5.230
	RELATIVE RISK		1.000	0.455	1.276	1.199	2.178	2.385	2.984	5.550
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4433	0.4039	0.2862	0.4686	0.2826	0.0595	0.4647	0.2166	0.0623
1955-58	OBS.	40	10	17	8	3	0	0	0	2
	EXP.		7.6	15.4	9.9	3.0	2.1	1.0	0.4	0.6
	OBS./EXP.		1.311	1.104	0.808	1.010	0.000	0.000	0.000	3.477
	RELATIVE RISK		1.000	0.842	0.616	0.770	0.000	0.000	0.000	2.652
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8115	0.4772	0.9236	0.8673	0.8102	0.3656	0.8075	0.9523	0.3795
1959-62	OBS.	13	2	5	5	2	1	0	0	0
	EXP.		2.9	5.6	3.6	1.2	0.8	0.4	0.2	0.3
	OBS./EXP.		0.684	0.884	1.382	1.670	1.214	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.294	2.019	2.441	1.776	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4560	0.4025	0.3186	0.7962	0.7758	0.7902	0.3615	0.3766	0.8028
1963-66	OBS.	27	7	8	6	3	1	1	0	1
	EXP.		5.5	9.8	6.5	2.1	1.6	0.8	0.4	0.5
	OBS./EXP.		1.269	0.815	0.930	1.463	0.841	1.312	0.000	2.049
	RELATIVE RISK		1.000	0.642	0.733	1.153	0.505	1.034	0.000	1.615
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7188	0.3997	0.7590	0.4391	0.8089	0.3437	0.6315	0.7071	0.5991
1967-70	OBS.	13	1	5	4	2	0	1	0	0
	EXP.		2.6	5.0	3.0	1.0	0.8	0.4	0.1	0.2
	OBS./EXP.		0.384	1.009	1.323	2.077	0.000	2.593	0.000	0.000
	RELATIVE RISK		1.000	2.625	3.442	5.403	0.000	6.744	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3290	0.3294	0.8181	0.2565	0.7695	0.7746	0.2560	0.2959	0.7830
1971-74	OBS.	19	6	7	4	1	1	0	0	0
	EXP.		3.5	7.8	4.1	1.6	1.1	0.5	0.2	0.2
	OBS./EXP.		1.717	0.896	0.974	0.638	0.913	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.522	0.569	0.372	0.532	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8034	0.8244	0.7526	0.8465	0.8019	0.7971	0.8474	0.8337	0.8289
1975-78	OBS.	8	1	3	4	0	0	0	0	0
	EXP.		1.5	3.2	1.7	0.6	0.6	0.3	0.1	0.1
	OBS./EXP.		0.661	0.947	2.375	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.433	3.594	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3192	0.8238	0.8238	0.8017	0.7734	0.7713	0.4708	0.8510	0.7335

TABLE 11-1 MALIGNANT NEOPLASMS OF ESOPHAGUS

TABLE 11-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	1-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	156	68	26	36	10	5	8	0	3
TOTAL	EXP.		63.1	43.3	29.1	8.7	6.5	2.5	1.1	1.7
	OBS./EXP.		1.078	0.601	1.237	1.145	0.775	3.209	0.000	1.773
	RELATIVE RISK		1.000		1.399	1.295	0.877	3.631	0.000	2.007
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1303	0.3514	0.6358	0.0068	0.5421	0.3118	0.1222	0.1406	0.0297
									0.0013	0.0329
1950-54	OBS.	20	10	3	4	1	1	1	0	0
	EXP.		8.0	5.7	3.9	1.1	0.7	0.3	0.1	0.2
	OBS./EXP.		1.249	0.522	1.035	0.931	1.369	3.822	0.000	0.000
	RELATIVE RISK		1.000		1.095	0.985	1.448	4.042	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4350	0.4857	0.3464	0.2679	0.7733	0.7824	0.4410	0.3857	0.3136
									0.7394	0.4015
1955-58	OBS.	17	5	5	4	0	0	3	0	0
	EXP.		6.9	4.8	3.3	0.9	0.6	0.2	0.1	0.2
	OBS./EXP.		0.729	1.039	1.228	0.000	0.000	12.524	0.000	0.000
	RELATIVE RISK		1.000		1.433	0.000	0.000	14.617	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4422	0.8349	0.8182	0.0011	0.7727	0.7773	0.4271	0.1889	0.0297
									0.0000	0.0476
1959-62	OBS.	15	6	3	2	2	1	0	0	1
	EXP.		6.3	4.1	2.8	0.9	0.6	0.2	0.1	0.2
	OBS./EXP.		0.958	0.739	0.722	2.350	1.679	0.000	0.000	6.439
	RELATIVE RISK		1.000		0.823	2.695	1.925	0.000	0.000	7.355
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8387	0.3106	0.3117	0.7808	0.7696	0.2555	0.4129	0.4653	0.2890
									0.4030	0.0543
1963-66	OBS.	30	14	5	6	3	0	0	0	2
	EXP.		12.1	8.4	5.7	1.7	1.2	0.5	0.2	0.3
	OBS./EXP.		1.161	0.596	1.060	1.777	0.000	0.000	0.000	6.190
	RELATIVE RISK		1.000		1.140	1.912	0.000	0.000	0.000	6.658
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4319	0.3988	0.8594	0.8098	0.7846	0.1107	0.3929	0.5902	0.4333
									0.0642	0.0761
1967-70	OBS.	28	15	3	6	2	0	2	0	0
	EXP.		10.8	7.7	5.1	1.7	1.4	0.6	0.2	0.4
	OBS./EXP.		1.383	0.388	1.167	1.178	0.000	3.359	0.000	0.000
	RELATIVE RISK		1.000		1.205	1.216	0.000	3.468	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4567	0.4026	0.8632	0.2528	0.7874	0.7961	0.4781	0.6377	0.3929
									0.1844	0.6089
1971-74	OBS.	24	12	1	6	1	2	2	0	0
	EXP.		9.8	6.4	4.4	1.4	1.0	0.4	0.2	0.3
	OBS./EXP.		1.223	0.156	1.354	0.719	1.909	4.688	0.000	0.000
	RELATIVE RISK		1.000		1.691	0.898	2.384	5.855	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2923	0.5204	0.4212	0.0645	0.7742	0.7804	0.3305	0.1656	0.2304
									0.0746	0.1893
1975-78	OBS.	22	6	6	8	1	1	0	0	0
	EXP.		9.3	6.0	4.1	1.1	0.8	0.3	0.1	0.2
	OBS./EXP.		0.647	0.995	1.947	0.903	1.186	0.000	0.000	0.000
	RELATIVE RISK		1.000		2.484	1.152	1.512	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1084	0.3953	0.3364	0.7908	0.7736	0.7768	0.1360	0.6064	0.8137
									0.5956	0.6805

TABLE 11-2 MALIGNANT NEOPLASMS OF ESOPHAGUS
HIROSHIMA, MALE + FEMALE, ALL AGES

TABLE 11-2

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	126 56.4	59 33.1	19 22.9	28 6.2	7 4.3	3 1.4	7 0.6	0 1.1	3 1.1
	OBS./EXP. RELATIVE RISK	1.046 1.000	0.575 0.6618	1.222 1.401	1.128 1.294	0.702 0.805	4.963 5.692	0.000 0.000	2.764 3.170	
	TEST PROB.	AB=C? 0.1556	AB=D? 0.3977	AB=E? 0.6618	AB=F? 0.0007	AB=G? 0.8129	AB=H? 0.1512	AB=CD? 0.1467	AB=E-H? 0.0612	AB=FGH? 0.0034
										HOMO. TREND. 0.0000 0.

TABLE 11-3 MALIGNANT NEOPLASMS OF ESOPHAGUS
NAGASAKI, MALE + FEMALE, ALL AGES

TABLE 11-3

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H		
1950-78 TOTAL	OBS. EXP.	30	9 6.7	7 10.2	8 6.2	3 2.5	2 2.2	1 1.1	0 0.5	0 0.6		
	OBS./EXP. RELATIVE RISK		1.343 1.000	0.685	1.291 1.366	1.184 1.253	0.917 0.970	0.923 0.977	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3885	AB=D? 0.4049	AB=E? 0.5307	AB=F? 0.4499	AB=G? 0.8031	AB=H? 0.8140	AB=CD? 0.3706	AB=E-H? 0.6939	AB=FGH? 0.7544	HOMO. 0.8317	TREND. 0.7918
1950-54	OBS. EXP.	4	1 0.8	1 1.5	2 1.0	0 0.3	0 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		1.219 1.000	0.671	2.027 2.342	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3794	AB=D? 0.7974	AB=E? 0.7890	AB=F? 0.7741	AB=G? 0.7660	AB=H? 0.7706	AB=CD? 0.3576	AB=E-H? 0.8123	AB=FGH? 0.7883	HOMO. 0.9628	TREND. 0.7253
1955-58	OBS. EXP.	3	0 0.6	2 1.2	1 0.7	0 0.2	0 0.2	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.726	1.419 1.224	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3805	AB=D? 0.7967	AB=E? 0.7910	AB=F? 0.7762	AB=G? 0.7678	AB=H? 0.7688	AB=CD? 0.5760	AB=E-H? 0.8133	AB=FGH? 0.7902	HOMO. 0.9657	TREND. 0.7177
1959-62	OBS. EXP.	2	1 0.5	0 0.7	1 0.4	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		2.189 1.000	0.000	2.412 2.707	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2866	AB=D? 0.7893	AB=E? 0.7820	AB=F? 0.7703	AB=G? 0.7644	AB=H? 0.7683	AB=CD? 0.3136	AB=E-H? 0.8006	AB=FGH? 0.7816	HOMO. 0.9191	TREND. 0.6945
1963-66	OBS. EXP.	6	3 1.3	2 2.1	0 1.3	1 0.5	0 0.4	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		2.298 1.000	0.955	0.000 0.000	2.021 1.374	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.9040	AB=D? 0.3558	AB=E? 0.8191	AB=F? 0.7920	AB=G? 0.7762	AB=H? 0.7816	AB=CD? 0.8190	AB=E-H? 0.8602	AB=FGH? 0.8293	HOMO. 0.6791	TREND. 0.7962
1967-70	OBS. EXP.	8	3 1.9	1 2.5	1 1.5	2 0.7	0 0.7	1 0.4	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		1.569 1.000	0.393	0.684 0.762	2.823 3.145	0.000 0.000	2.751 3.065	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6338	AB=D? 0.3486	AB=E? 0.8275	AB=F? 0.2804	AB=G? 0.7798	AB=H? 0.7816	AB=CD? 0.3952	AB=E-H? 0.8432	AB=FGH? 0.3336	HOMO. 0.5142	TREND. 0.4748
1971-74	OBS. EXP.	5	0 1.3	1 1.5	2 0.9	0 0.5	2 0.4	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.672	2.251 2.277	0.000 0.000	4.693 13.085	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2924	AB=D? 0.7919	AB=E? 0.1258	AB=F? 0.7748	AB=G? 0.7678	AB=H? 0.7686	AB=CD? 0.4533	AB=E-H? 0.2877	AB=FGH? 0.7889	HOMO. 0.2145	TREND. 0.3680
1975-78	OBS. EXP.	2	1 0.4	0 0.7	1 0.4	0 0.2	0 0.2	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		2.369 1.000	0.000	2.360 2.617	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2892	AB=D? 0.7908	AB=E? 0.7908	AB=F? 0.7794	AB=G? 0.7660	AB=H? 0.7650	AB=CD? 0.3126	AB=E-H? 0.8139	AB=FGH? 0.7884	HOMO. 0.9086	TREND. 0.6945

TABLE 12-1 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	1754	708	473	340	91	64	32	17	29
TOTAL	EXP.	718.0	484.3	331.8	96.2	67.0	28.7	12.2	17.6	
	OBS./EXP.	0.986	0.977	1.025	0.946	0.955	1.198	1.389	1.450	1.650
	RELATIVE RISK	1.000	0.990	1.039	0.959	0.968	1.214	1.409	1.673	
TEST	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	HOMO.	TREND.
PROB.	0.3349	0.5772	0.5233	0.2100	0.1783	0.0266	0.3877	0.3388	0.0182	0.0021
1950-54	OBS.	183	80	42	28	15	11	2	2	3
EXP.		74.8	51.3	35.0	9.8	6.7	2.5	1.2	1.8	
	OBS./EXP.	1.069	0.819	0.800	1.531	1.645	0.810	1.722	1.670	
	RELATIVE RISK	1.000	0.766	0.748	1.632	1.538	0.757	1.610	1.562	
TEST	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	HOMO.	TREND.
PROB.	0.8297	0.1577	0.1581	0.5895	0.4762	0.3764	0.6595	0.2296	0.2470	0.0502
1955-58	OBS.	241	93	75	49	12	5	2	2	3
EXP.		98.2	67.3	46.4	13.2	8.7	3.4	1.6	2.3	
	OBS./EXP.	0.947	1.114	1.057	0.912	0.573	0.595	1.289	1.291	
	RELATIVE RISK	1.000	1.176	1.115	0.963	0.604	0.628	1.360	1.362	
TEST	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	HOMO.	TREND.
PROB.	0.3474	0.5572	0.3106	0.7439	0.3838	0.4132	0.3701	0.8315	0.4281	0.6229
1959-62	OBS.	257	107	66	48	15	13	3	3	2
EXP.		109.1	68.8	48.5	14.2	9.0	3.5	1.6	2.3	
	OBS./EXP.	0.980	0.960	0.989	1.055	1.438	0.868	1.856	0.888	
	RELATIVE RISK	1.000	0.979	1.009	1.076	1.666	0.885	1.893	0.905	
TEST	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	HOMO.	TREND.
PROB.	0.4762	0.4371	0.1449	0.4697	0.3074	0.4670	0.4853	0.1752	0.3786	0.2296
1963-66	OBS.	265	107	68	55	14	9	4	1	7
EXP.		110.1	71.6	50.1	14.7	10.1	4.1	1.8	2.7	
	OBS./EXP.	0.972	0.950	1.098	0.956	0.894	0.982	0.547	2.628	
	RELATIVE RISK	1.000	0.977	1.130	0.983	0.919	1.010	0.563	2.703	
TEST	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	HOMO.	TREND.
PROB.	0.3144	0.4890	0.5672	0.4298	0.7216	0.0477	0.3696	0.4694	0.1466	0.0351
1967-70	OBS.	274	111	77	54	8	9	7	2	6
EXP.		112.6	74.6	51.7	15.1	10.8	4.5	1.9	2.8	
	OBS./EXP.	0.986	1.032	1.044	0.529	0.836	1.570	1.030	2.114	
	RELATIVE RISK	1.000	1.047	1.059	0.536	0.848	1.592	1.045	2.144	
TEST	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	HOMO.	TREND.
PROB.	0.4456	0.8952	0.6260	0.2001	0.4230	0.1088	0.6398	0.6107	0.1673	0.0820
1971-74	OBS.	273	119	69	51	12	9	8	3	4
EXP.		110.6	76.1	51.5	14.9	10.8	4.4	2.0	2.7	
	OBS./EXP.	1.076	0.906	0.991	0.807	0.836	1.352	1.535	1.472	
	RELATIVE RISK	1.000	0.842	0.921	0.751	0.777	1.257	1.427	1.368	
TEST	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	HOMO.	TREND.
PROB.	0.6596	0.3129	0.7841	0.4369	0.4116	0.4474	0.7368	0.7081	0.3806	0.7909
1975-78	OBS.	261	91	76	55	15	8	4	4	6
EXP.		103.2	74.2	48.9	14.4	11.1	4.5	2.0	2.7	
	OBS./EXP.	0.382	1.025	1.124	1.044	0.721	1.766	1.974	1.503	
	RELATIVE RISK	1.000	1.162	1.274	1.184	0.818	2.003	2.239	1.704	
TEST	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	HOMO.	TREND.
PROB.	0.1574	0.3694	0.7141	0.1245	0.2291	0.3485	0.1476	0.4190	0.1660	0.0388

TABLE 12-2 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	21	10	6	2	0	0	2	0	1
TOTAL	EXP.		8.5	6.2	4.2	1.0	0.5	0.3	0.1	0.2
	OBS./EXP.		1.172	0.962	0.477	0.000	0.000	7.903	0.000	6.051
	RELATIVE RISK		1.000	0.821	0.407	0.000	0.000	6.744	0.000	5.164
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8777	0.8690	0.8327	0.2090	0.7792	0.2647	0.9160	0.3734	0.2840
									HOMO.	TREND.
									0.0073	0.0121
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									X	X
1955-58	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	44.026	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X
									HOMO.	TREND.
									0.0000	0.0051
1959-62	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		2.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8266	0.7782	0.7703	0.7645	0.7621	0.7627	0.8379	0.7743	0.7645
									HOMO.	TREND.
									0.9923	0.5954
1963-66	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									X	X
1967-70	OBS.	4	2	1	0	0	0	0	0	1
	EXP.		1.6	1.2	0.8	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		1.234	0.845	0.000	0.000	0.000	0.000	0.000	31.930
	RELATIVE RISK		1.000	0.685	0.000	0.000	0.000	0.000	0.000	25.878
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9041	0.8195	0.7988	0.7826	0.7700	0.7638	0.9201	0.8154	0.2471
									HOMO.	TREND.
									0.0001	0.0002
1971-74	OBS.	6	1	3	2	0	0	0	0	0
	EXP.		2.5	1.7	1.2	0.3	0.1	0.1	0.0	0.0
	OBS./EXP.		0.393	1.723	1.723	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	4.382	4.381	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3915	0.7752	0.7702	0.7644	0.7621	0.7626	0.3540	0.7741	0.7644
									HOMO.	TREND.
									0.8803	0.6708
1975-78	OBS.	9	6	2	0	0	0	1	0	0
	EXP.		3.7	2.6	1.8	0.4	0.2	0.1	0.0	0.1
	OBS./EXP.		1.621	0.755	0.000	0.000	0.000	9.635	0.000	0.000
	RELATIVE RISK		1.000	0.466	0.000	0.000	0.000	5.942	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9353	0.8368	0.8087	0.2676	0.7722	0.7796	0.9497	0.3534	0.7898
									HOMO.	TREND.
									0.1023	0.3591

TABLE 12-3 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-19	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	65	17	24	9	3	5	1	3	3
TOTAL	EXP.		22.9	20.7	10.4	3.6	3.9	1.8	0.7	1.0
	OBS./EXP.		0.741	1.160	0.867	0.843	1.279	0.566	4.192	3.086
	RELATIVE RISK		1.000	1.565	1.170	1.137	1.726	0.736	5.656	4.164
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4167	0.4055	0.3002	0.4440	0.0457	0.0627	0.3921	0.3964	0.0099
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE RISK									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	5	1	4	0	0	0	0	0	0
	EXP.		2.0	1.4	0.8	0.2	0.2	0.1	0.1	0.1
	OBS./EXP.		0.491	2.775	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	5.651	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8267	0.7803	0.7755	0.7662	0.7652	0.7648	0.8393	0.7808	0.7697
1959-62	OBS.	2	0	1	0	0	0	0	1	0
	EXP.		0.4	0.7	0.3	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		0.000	1.392	0.000	0.000	0.000	0.000	35.138	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	0.2398	X	X	0.2395	0.0000
1963-66	OBS.	6	2	3	0	0	1	0	0	0
	EXP.		2.3	1.8	1.0	0.3	0.3	0.2	0.1	0.1
	OBS./EXP.		0.885	1.657	0.000	0.000	2.944	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.872	0.000	0.000	3.326	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8446	0.7857	0.2726	0.7691	0.7667	0.7684	0.8586	0.2928	0.7744
1967-70	OBS.	13	3	6	2	0	1	0	0	1
	EXP.		4.7	4.0	2.1	0.7	0.8	0.4	0.1	0.2
	OBS./EXP.		0.635	1.512	0.938	0.000	1.303	0.000	0.000	5.505
	RELATIVE RISK		1.000	2.381	1.477	0.000	2.051	0.000	0.000	8.666
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3639	0.7977	0.2902	0.7719	0.7702	0.2469	0.3935	0.3214	0.2552
1971-74	OBS.	18	8	4	2	1	1	1	1	0
	EXP.		6.5	5.7	2.9	1.0	1.0	0.5	0.2	0.3
	OBS./EXP.		1.239	0.697	0.700	1.041	0.961	2.070	5.149	0.000
	RELATIVE RISK		1.000	0.562	0.565	0.840	0.775	1.670	4.155	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7498	0.6599	0.6861	0.3429	0.2724	0.7989	0.7447	0.6092	0.3304
1975-78	OBS.	21	3	6	5	2	2	0	1	2
	EXP.		7.1	7.0	3.3	1.2	1.3	0.6	0.2	0.3
	OBS./EXP.		0.425	0.861	1.520	1.709	1.497	0.000	4.489	6.084
	RELATIVE RISK		1.000	2.027	3.577	4.024	3.324	0.000	10.566	14.321
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1279	0.2038	0.3462	0.7718	0.2485	0.0252	0.0897	0.4054	0.0119

TABLE 12-4 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-4

HIROSHIMA • NAGASAKI, MALE • FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	211	79	54	45	9	7	11	3	3
TOTAL	EXP.		84.1	59.8	37.6	11.7	8.8	4.2	2.1	2.7
	OBS./EXP.		0.939	0.903	1.198	0.766	0.798	2.604	1.417	1.117
	RELATIVE RISK		1.000	0.962	1.275	0.815	0.850	2.773	1.509	1.190
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1847	0.7514	0.6955	0.0498	0.4128	0.4235	0.2366	0.2503	0.4698
1950-54	OBS.	7	1	5	0	0	0	1	0	0
	EXP.		2.7	2.0	1.2	0.4	0.3	0.2	0.1	0.1
	OBS./EXP.		0.374	2.488	0.000	0.000	0.000	6.043	0.000	0.000
	RELATIVE RISK		1.000	6.651	0.000	0.000	0.000	16.152	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8303	0.7844	0.7735	0.2452	0.7635	0.7654	0.8452	0.2623	0.7688
1955-58	OBS.	14	5	2	4	2	0	1	0	0
	EXP.		5.7	3.9	2.6	0.8	0.5	0.2	0.1	0.2
	OBS./EXP.		0.872	0.510	1.547	2.617	0.000	4.698	0.000	0.000
	RELATIVE RISK		1.000	0.585	1.775	3.002	0.000	5.389	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4097	0.4064	0.8298	0.2631	0.7812	0.7869	0.2688	0.3482	0.8039
1959-62	OBS.	17	5	6	1	0	3	0	1	1
	EXP.		6.6	4.9	3.0	0.9	0.7	0.3	0.2	0.2
	OBS./EXP.		0.755	1.214	0.328	0.000	4.192	0.000	5.814	4.516
	RELATIVE RISK		1.000	1.608	0.435	0.000	5.553	0.000	7.702	5.982
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7973	0.8414	0.0612	0.8005	0.2532	0.2596	0.5439	0.1267	0.1239
1963-66	OBS.	33	14	8	6	1	1	2	0	1
	EXP.		13.6	9.2	5.9	1.8	1.2	0.6	0.3	0.4
	OBS./EXP.		1.029	0.873	1.017	0.559	0.800	3.397	0.000	2.494
	RELATIVE RISK		1.000	0.848	0.987	0.543	0.778	3.300	0.000	2.423
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5476	0.8027	0.7247	0.3998	0.8092	0.3076	0.6638	0.4010	0.4190
1967-70	OBS.	35	12	9	11	1	0	1	1	0
	EXP.		14.2	9.9	6.2	1.9	1.4	0.6	0.3	0.4
	OBS./EXP.		0.843	0.910	1.769	0.535	0.000	1.550	3.620	0.000
	RELATIVE RISK		1.000	1.079	2.097	0.634	0.000	1.838	3.581	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1364	0.6907	0.8570	0.3410	0.2792	0.7974	0.2021	0.7576	0.3539
1971-74	OBS.	49	20	11	11	3	2	2	0	0
	EXP.		19.3	14.0	8.8	2.7	2.1	1.0	0.5	0.6
	OBS./EXP.		1.034	0.786	1.257	1.097	0.971	2.043	0.000	0.000
	RELATIVE RISK		1.000	0.760	1.215	1.060	0.939	1.975	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3787	0.5352	0.6221	0.3776	0.8170	0.8260	0.4009	0.4474	0.8625
1975-78	OBS.	56	22	13	12	2	1	4	1	1
	EXP.		21.9	15.9	9.8	3.3	2.5	1.2	0.6	0.7
	OBS./EXP.		1.003	0.817	1.225	0.614	0.398	3.242	1.589	1.371
	RELATIVE RISK		1.000	0.815	1.221	0.612	0.397	3.232	1.584	1.367
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4113	0.7621	0.5119	0.1415	0.3385	0.3701	0.4509	0.4569	0.3805

TABLE 12-5 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE (IN RAD)								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	779	305	210	158	45	29	10	9	13
TOTAL	EXP.		316.2	211.8	148.7	42.7	32.9	12.2	5.7	8.8
	OBS./EXP.		0.965	0.991	1.063	1.054	0.882	0.817	1.579	1.484
	RELATIVE RISK		1.000	1.028	1.102	1.002	0.915	0.847	1.637	1.538
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2514	0.3212	0.6164	0.6270	0.1738	0.1579	0.2254	0.6195	0.0978
1950-54	OBS.	55	20	13	9	7	2	1	1	0
	EXP.		22.6	14.8	10.5	3.0	2.2	0.8	0.4	0.6
	OBS./EXP.		0.886	1.011	0.854	2.357	0.901	1.197	2.391	0.000
	RELATIVE RISK		1.000	1.141	0.963	2.659	1.016	1.351	2.698	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4859	0.0653	0.4104	0.3323	0.2790	0.8093	0.2998	0.4050	0.3789
1955-58	OBS.	88	33	24	20	4	4	0	2	1
	EXP.		36.1	23.9	16.7	4.7	3.6	1.3	0.6	1.0
	OBS./EXP.		0.914	1.003	1.194	0.849	1.123	0.000	3.087	1.004
	RELATIVE RISK		1.000	1.097	1.306	0.928	1.228	0.000	3.376	1.098
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3110	0.5200	0.4512	0.5508	0.2272	0.3889	0.3485	0.5092	0.2812
1959-62	OBS.	107	39	29	25	8	2	2	1	1
	EXP.		43.9	28.8	20.4	5.9	4.4	1.6	0.8	1.2
	OBS./EXP.		0.888	1.009	1.227	1.353	0.451	1.216	1.284	0.840
	RELATIVE RISK		1.000	1.136	1.382	1.524	0.508	1.371	1.446	0.946
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2037	0.2516	0.3031	0.3822	0.3365	0.5167	0.1992	0.4934	0.3918
1963-66	OBS.	115	42	27	27	9	5	2	0	3
	EXP.		46.7	31.1	21.6	6.4	5.1	1.9	0.8	1.4
	OBS./EXP.		0.899	0.869	1.247	1.398	0.989	1.061	0.000	2.199
	RELATIVE RISK		1.000	0.966	1.397	1.555	1.100	1.180	0.000	2.445
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1991	0.1809	0.4952	0.3850	0.8145	0.2048	0.1424	0.3713	0.4009
1967-70	OBS.	142	60	40	26	3	7	2	1	3
	EXP.		56.7	38.7	27.2	8.0	6.3	2.4	1.1	1.7
	OBS./EXP.		1.058	1.035	0.956	0.375	1.114	0.827	0.936	1.789
	RELATIVE RISK		1.000	0.978	0.904	0.354	1.052	0.781	0.885	1.691
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6582	0.9201	0.4409	0.6357	0.5808	0.3789	0.8126	0.4610	0.4346
1971-74	OBS.	133	60	34	24	5	4	0	2	4
	EXP.		55.0	35.9	25.5	7.0	5.5	2.0	0.8	1.3
	OBS./EXP.		1.092	0.948	0.942	0.710	0.727	0.000	2.360	2.991
	RELATIVE RISK		1.000	0.869	0.863	0.650	0.666	0.000	2.162	2.740
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6944	0.7893	0.7514	0.9017	0.4498	0.1415	0.7630	0.8633	0.0923
1975-78	OBS.	139	51	41	27	9	5	3	2	1
	EXP.		55.6	38.7	26.7	7.5	6.0	2.1	0.9	1.4
	OBS./EXP.		0.917	1.058	1.009	1.202	0.834	1.412	2.191	0.734
	RELATIVE RISK		1.000	1.154	1.101	1.311	0.909	1.540	2.390	0.801
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4147	0.3782	0.6654	0.4377	0.4541	0.6601	0.3375	0.4724	0.4090

TABLE 12-6 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE AFB 50+

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	678	297	179	126	34	23	8	2	9
	EXP.		286.2	185.8	131.0	37.2	21.0	8.2	3.6	5.0
	OBS./EXP.		1.038	0.963	0.962	0.913	1.097	0.979	0.556	1.803
	RELATIVE RISK		1.000	0.929	0.927	0.880	1.058	0.944	0.536	1.738
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7030	0.6864	0.4206	0.4723	0.7743	0.1552	0.7403	0.6155	0.3566
1950-54	OBS.	121	59	22	19	8	9	0	1	3
	EXP.		49.6	31.4	23.2	6.4	4.1	1.5	0.7	1.1
	OBS./EXP.		1.190	0.639	0.819	1.247	2.173	0.000	1.502	2.773
	RELATIVE RISK		1.000	0.537	0.688	1.048	1.826	0.000	1.262	2.330
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8590	0.4652	0.1311	0.8652	0.3382	0.2278	0.9086	0.2940	0.2346
1955-58	OBS.	133	54	45	25	6	1	0	0	2
	EXP.		54.1	37.6	26.0	7.4	4.4	1.7	0.7	1.1
	OBS./EXP.		0.998	1.196	0.963	0.814	0.227	0.000	0.000	1.862
	RELATIVE RISK		1.000	1.198	0.965	0.815	0.227	0.000	0.000	1.865
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5351	0.6886	0.9086	0.8661	0.3279	0.3899	0.5820	0.9484	0.5304
1959-62	OBS.	130	62	30	22	7	8	1	0	0
	EXP.		57.7	34.1	24.6	7.2	3.7	1.4	0.6	0.8
	OBS./EXP.		1.074	0.881	0.895	0.976	2.182	0.735	0.000	0.000
	RELATIVE RISK		1.000	0.820	0.833	0.908	2.031	0.684	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7384	0.5878	0.0877	0.6569	0.8175	0.8272	0.7372	0.1476	0.8641
1963-66	OBS.	111	49	30	22	4	2	0	1	3
	EXP.		47.5	29.5	21.6	6.1	3.4	1.4	0.6	0.8
	OBS./EXP.		1.031	1.016	1.021	0.655	0.584	0.000	1.635	3.651
	RELATIVE RISK		1.000	0.985	0.989	0.635	0.566	0.000	1.586	3.540
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4843	0.7794	0.7612	0.8708	0.3310	0.1380	0.6230	0.8552	0.1472
1967-70	OBS.	80	34	21	15	4	1	4	0	1
	EXP.		35.3	20.9	15.3	4.3	2.2	1.0	0.4	0.5
	OBS./EXP.		0.963	1.005	0.977	0.923	0.445	4.043	0.000	1.943
	RELATIVE RISK		1.000	1.044	1.015	0.958	0.463	4.198	0.000	2.018
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4647	0.4963	0.7341	0.0201	0.7909	0.2905	0.5229	0.2220	0.3457
1971-74	OBS.	67	30	17	12	3	2	3	0	0
	EXP.		27.3	18.8	13.2	3.9	2.0	0.9	0.4	0.4
	OBS./EXP.		1.097	0.904	0.906	0.778	0.989	3.299	0.000	0.000
	RELATIVE RISK		1.000	0.824	0.824	0.709	0.901	3.006	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7265	0.7470	0.6963	0.2217	0.8123	0.8150	0.7438	0.4380	0.8510
1975-78	OBS.	36	9	14	11	2	0	0	0	0
	EXP.		14.9	9.9	7.3	2.0	1.0	0.4	0.2	0.2
	OBS./EXP.		0.604	1.416	1.502	0.982	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	2.342	2.455	1.625	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0915	0.4013	0.8033	0.7793	0.7703	0.7687	0.0998	0.8174	0.7779

TABLE 12-7 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	997	407	281	177	46	42	17	7	20
TOTAL	EXP.		405.5	276.9	180.4	55.2	43.4	16.4	7.5	11.7
	OBS./EXP.		1.004	1.015	0.981	0.833	0.968	1.035	0.940	1.709
	RELATIVE RISK		1.000	1.011	0.978	0.830	0.964	1.031	0.936	1.703
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5752	0.3196	0.5613	0.4672	0.6081	0.0643	0.6970	0.3110	0.1446
1950-54	OBS.	126	57	29	20	8	9	1	0	2
	EXP.		52.0	35.1	23.3	6.6	5.0	1.7	0.8	1.4
	OBS./EXP.		1.095	0.826	0.859	1.205	1.815	0.576	0.000	1.447
	RELATIVE RISK		1.000	0.754	0.784	1.100	1.657	0.525	0.000	1.321
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7392	0.4456	0.1567	0.6887	0.8256	0.3831	0.6824	0.2379	0.5738
1955-58	OBS.	144	56	49	28	5	4	0	2	2
	EXP.		59.9	40.5	27.0	7.9	5.9	2.1	1.0	1.6
	OBS./EXP.		0.935	1.208	1.037	0.630	0.678	0.000	2.064	1.227
	RELATIVE RISK		1.000	1.292	1.110	0.674	0.725	0.000	2.208	1.312
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4211	0.7797	0.7323	0.9002	0.4568	0.3980	0.4701	0.8514	0.3842
1959-62	OBS.	135	56	37	27	4	6	2	2	1
	EXP.		56.1	36.9	24.2	7.6	5.7	2.0	0.9	1.5
	OBS./EXP.		0.998	1.002	1.117	0.523	1.056	0.989	2.120	0.675
	RELATIVE RISK		1.000	1.004	1.120	0.524	1.059	0.991	2.125	0.676
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3905	0.9484	0.4373	0.4136	0.4180	0.6650	0.5501	0.4583	0.4100
1963-66	OBS.	154	59	43	29	10	6	2	0	5
	EXP.		62.0	42.6	28.1	8.9	6.8	2.6	1.2	1.9
	OBS./EXP.		0.952	1.010	1.031	1.127	0.881	0.758	0.000	2.693
	RELATIVE RISK		1.000	1.061	1.083	1.184	0.925	0.796	0.000	2.829
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4207	0.4030	0.5403	0.6286	0.8479	0.0888	0.3777	0.5570	0.2764
1967-70	OBS.	149	60	45	25	4	6	5	1	3
	EXP.		40.0	41.0	26.9	8.5	6.8	2.7	1.1	1.8
	OBS./EXP.		1.000	1.096	0.928	0.469	0.880	1.855	0.877	1.625
	RELATIVE RISK		1.000	1.096	0.927	0.466	0.880	1.854	0.877	1.624
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8363	0.8809	0.6086	0.2327	0.6038	0.3842	0.7783	0.4188	0.4407
1971-74	OBS.	143	64	36	22	7	7	4	0	3
	EXP.		58.2	39.5	25.8	7.8	6.4	2.5	1.1	1.7
	OBS./EXP.		1.100	0.910	0.853	0.900	1.089	1.590	0.000	1.793
	RELATIVE RISK		1.000	0.827	0.778	0.818	0.990	1.446	0.000	1.630
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7860	0.7067	0.5863	0.4305	0.8626	0.4671	0.7930	0.4544	0.5715
1975-78	OBS.	144	55	42	26	8	4	3	2	4
	EXP.		57.4	40.8	25.4	8.0	7.0	2.7	1.2	1.6
	OBS./EXP.		0.959	1.030	1.025	1.004	0.571	1.099	1.650	2.500
	RELATIVE RISK		1.000	1.074	1.069	1.047	0.596	1.146	1.721	2.607
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4709	0.5409	0.8338	0.4932	0.3813	0.2049	0.4783	0.7769	0.2064

TABLE 12-8 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-8

HIROSHIMA + NAGASAKI, MALE, AGE ATD 0-9

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	8	3	4	0	0	0	0	0	1
TOTAL	EXP.		3.8	2.1	1.5	0.3	0.1	0.1	0.0	0.0
	OBS./EXP.		0.793	1.901	0.000	0.000	0.000	0.000	0.000	25.493
	RELATIVE RISK		1.000	2.396	0.000	0.000	0.000	0.000	0.000	32.140
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8721	0.7944	0.7763	0.7680	0.7638	0.2432	0.8871	0.7833	0.2460
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1963-66	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1967-70	OBS.	3	1	1	0	0	0	0	0	1
	EXP.		1.4	0.8	0.6	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.705	1.266	0.000	0.000	0.000	0.000	0.000	68.702
	RELATIVE RISK		1.000	1.796	0.000	0.000	0.000	0.000	0.000	97.433
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8281	0.7783	0.7685	0.7641	0.7620	0.2409	0.8193	0.7722	0.2418
1971-74	OBS.	1	0	1	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	3.808	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	0.9021
1975-78	OBS.	4	2	2	0	0	0	0	0	0
	EXP.		1.7	1.0	0.8	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		1.056	1.908	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.806	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8524	0.7867	0.7726	0.7658	0.7627	0.7635	0.8641	0.7778	0.7659

TABLE 12-9 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-9

MIYOSHIMA + NAGASAKI, MALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	36	8	16	5	2	1	1	1	2
TOTAL	EXP.		12.6	12.3	5.4	1.8	2.0	0.9	0.5	0.6
	OBS./EXP.		0.633	1.296	0.922	1.127	0.510	1.126	2.873	3.249
	RELATIVE RISK		1.000	2.049	1.458	1.782	0.806	1.780	4.543	5.136
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4042	0.4196	0.5758	0.3053	0.2642	0.1481	0.3262	0.4020	0.0900
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE RISK									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	2	0	2	0	0	0	0	0	0
	EXP.		0.4	0.7	0.3	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	2.849	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	0.8120
1959-62	OBS.	1	0	0	0	0	0	0	1	0
	EXP.		0.2	0.4	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	0.000	74.303	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	0.2398	X	X	0.2398	0.0000
1963-66	OBS.	2	1	1	0	0	0	0	0	0
	EXP.		0.9	0.6	0.3	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.122	1.560	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.391	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8171	0.7750	0.7734	0.7662	0.7638	0.7665	0.8271	0.7788	0.9985
1967-70	OBS.	5	0	3	2	0	0	0	0	0
	EXP.		1.7	1.7	0.8	0.2	0.3	0.1	0.0	0.1
	OBS./EXP.		0.000	1.749	2.646	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2466	X	X	X	X	X	0.3161	X	0.5905
1971-74	OBS.	11	5	4	0	1	0	1	0	0
	EXP.		3.9	3.7	1.7	0.5	0.6	0.3	0.1	0.2
	OBS./EXP.		1.270	1.070	0.000	1.870	0.000	3.796	0.000	0.000
	RELATIVE RISK		1.000	0.842	0.000	1.472	0.000	2.989	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9067	0.3687	0.8401	0.2883	0.7782	0.7899	0.8451	0.6308	0.8042
1975-78	OBS.	15	2	6	3	1	1	0	0	2
	EXP.		5.2	5.1	2.3	0.7	0.8	0.4	0.1	0.2
	OBS./EXP.		0.381	1.172	1.313	1.334	1.193	0.000	0.000	8.071
	RELATIVE RISK		1.000	3.076	3.445	3.501	3.130	0.000	0.000	21.175
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2463	0.2562	0.2703	0.7690	0.7654	0.0178	0.1767	0.2885	0.0357

TABLE 12-10 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-10

HIROSHIMA + NAGASAKI, MALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	82	38 32.7	22 23.5	12 13.2	2 4.4	3 4.0	3 2.2	0 1.0	2 1.1		
	OBS./EXP. RELATIVE RISK		1.163 1.000	0.938 0.806	0.908 0.781	0.459 0.394	0.747 0.642	1.367 1.175	0.000 0.000	1.816 1.561		
	TEST PROB.	A=C? 0.7392	A=D? 0.8968	A=E? 0.7854	A=F? 0.5786	A=G? 0.3634	A=H? 0.3821	A=CD? 0.8412	A=EF? 0.7508	A=GH? 0.6836	HOMO, 0.6947	TREND, 0.5305
1950-54	OBS. EXP.	3	0 1.1	3 0.9	0 0.5	0 0.2	0 0.2	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	3.505 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X	HOMO, 0.3771	TREND, 0.7399
1955-58	OBS. EXP.	2	0 0.9	1 0.6	1 0.3	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	1.721 X	3.089 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	A=C? 0.2398	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? 0.2398	A=EF? X	A=GH? X	HOMO, 0.9037	TREND, 0.6177
1959-62	OBS. EXP.	7	2 2.9	2 2.0	1 1.1	0 0.3	1 0.3	0 0.2	0 0.1	1 0.1		
	OBS./EXP. RELATIVE RISK		0.687 1.000	0.998 1.452	0.881 1.281	0.000 0.000	3.340 4.859	0.000 0.000	0.000 0.000	11.333 16.488		
	TEST PROB.	A=C? 0.3593	A=D? 0.7888	A=E? 0.2570	A=F? 0.7715	A=G? 0.7860	A=H? 0.2455	A=CD? 0.4195	A=EF? 0.2660	A=GH? 0.2496	HOMO, 0.1019	TREND, 0.0137
1963-66	OBS. EXP.	11	6 4.3	3 3.1	1 1.8	0 0.5	1 0.5	0 0.3	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.332 1.000	0.957 0.719	0.563 0.423	0.000 0.000	2.020 1.517	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.8127	A=D? 0.8611	A=E? 0.4016	A=F? 0.8300	A=G? 0.7943	A=H? 0.7913	A=CD? 0.8692	A=EF? 0.6671	A=GH? 0.3187	HOMO, 0.9291	TREND, 0.7370
1967-70	OBS. EXP.	14	6 5.8	5 4.0	2 2.3	0 0.7	0 0.6	1 0.3	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		1.030 1.000	1.251 1.215	0.887 0.862	0.000 0.000	0.000 0.000	3.140 3.050	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.6226	A=D? 0.8424	A=E? 0.8385	A=F? 0.3075	A=G? 0.7852	A=H? 0.7863	A=CD? 0.7167	A=EF? 0.6699	A=GH? 0.8068	HOMO, 0.8498	TREND, 0.6349
1971-74	OBS. EXP.	18	11 7.2	2 5.2	2 2.9	1 0.9	1 0.9	1 0.5	0 0.2	0 0.2		
	OBS./EXP. RELATIVE RISK		1.530 1.000	0.388 0.254	0.691 0.452	1.059 0.692	1.143 0.747	2.135 1.356	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.8164	A=D? 0.6797	A=E? 0.6554	A=F? 0.3484	A=G? 0.7935	A=H? 0.7975	A=CD? 0.8125	A=EF? 0.5961	A=GH? 0.8232	HOMO, 0.6196	TREND, 0.5937
1975-78	OBS. EXP.	27	13 10.2	6 7.8	5 4.3	1 1.6	0 1.5	1 0.8	0 0.4	1 0.4		
	OBS./EXP. RELATIVE RISK		1.277 1.000	0.770 0.603	1.154 0.903	0.612 0.479	0.000 0.000	1.238 0.969	0.000 0.000	2.543 1.991		
	TEST PROB.	A=C? 0.6097	A=D? 0.8060	A=E? 0.9036	A=F? 0.6417	A=G? 0.8187	A=H? 0.3223	A=CD? 0.6989	A=EF? 0.8673	A=GH? 0.6182	HOMO, 0.7208	TREND, 0.5319

TABLE 12-11 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-11

HIROSHIMA + NAGASAKI, MALE, AGE AYS 35-49

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	471	192	120	88	24	23	8	6	10
TOTAL	EXP.	191.6	128.4	84.5	26.3	22.6	7.9	3.7	10	6.1
	OBS./EXP.	1.002	0.934	1.042	0.913	1.018	1.014	1.637	1.651	
	RELATIVE RISK	1.000	0.933	1.039	0.912	1.016	1.012	1.634	1.648	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.4684	0.6453	0.4681	0.6654	0.2807	0.1792	0.5076	0.4689	0.0439
1950-54	OBS.	32	12	8	6	3	2	1	0	0
	EXP.	13.3	8.6	5.7	1.7	1.4	0.5	0.3	0.4	
	OBS./EXP.	0.905	0.927	1.047	1.722	1.382	1.961	0.000	0.000	
	RELATIVE RISK	1.000	1.025	1.157	1.903	1.528	2.167	0.000	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.4289	0.3332	0.3820	0.2941	0.7874	0.8000	0.4109	0.3772	0.5189
1955-58	OBS.	56	22	14	12	2	3	0	2	1
	EXP.	23.6	15.0	10.0	3.0	2.5	0.8	0.4	0.7	
	OBS./EXP.	0.934	0.931	1.199	0.671	1.219	0.000	4.728	1.438	
	RELATIVE RISK	1.000	0.997	1.284	0.718	1.305	0.000	5.063	1.540	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.4012	0.6894	0.4079	0.8352	0.1517	0.3402	0.4730	0.4875	0.1883
1959-62	OBS.	60	24	14	16	2	2	1	1	0
	EXP.	24.3	16.4	10.7	3.4	2.9	1.0	0.5	0.8	
	OBS./EXP.	0.987	0.852	1.502	0.586	0.691	0.980	2.103	0.000	
	RELATIVE RISK	1.000	0.863	1.521	0.594	0.700	0.993	2.131	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.2141	0.7629	0.7110	0.4529	0.2994	0.8321	0.3230	0.6737	0.6300
1963-66	OBS.	75	25	18	16	7	4	2	0	3
	EXP.	29.9	20.6	13.4	4.3	3.8	1.4	0.6	1.0	
	OBS./EXP.	0.835	0.873	1.196	1.620	1.064	1.478	0.000	2.913	
	RELATIVE RISK	1.000	1.045	1.432	1.940	1.274	1.770	0.000	3.489	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.2366	0.1165	0.3952	0.3392	0.7936	0.1044	0.1451	0.2408	0.2254
1967-70	OBS.	85	38	23	11	3	5	2	1	2
	EXP.	33.5	23.4	15.3	5.0	4.4	1.6	0.7	1.2	
	OBS./EXP.	1.134	0.985	0.717	0.605	1.141	1.242	1.447	1.720	
	RELATIVE RISK	1.000	0.868	0.632	0.533	1.006	1.095	1.276	1.516	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.8565	0.8146	0.4494	0.4038	0.3641	0.3894	0.8958	0.4410	0.4633
1971-74	OBS.	80	35	21	15	2	4	0	0	3
	EXP.	33.0	21.7	14.5	4.3	3.8	1.3	0.5	0.9	
	OBS./EXP.	1.059	0.969	1.033	0.468	1.056	0.000	0.000	1.284	
	RELATIVE RISK	1.000	0.915	0.975	0.442	0.997	0.000	0.000	3.101	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.5633	0.8463	0.5380	0.8734	0.8220	0.1755	0.6827	0.7060	0.3689
1975-78	OBS.	83	36	22	12	5	3	2	2	1
	EXP.	34.1	22.7	14.9	4.5	4.1	1.3	0.5	0.8	
	OBS./EXP.	1.054	0.968	0.803	1.115	0.739	1.570	3.809	1.180	
	RELATIVE RISK	1.000	0.918	0.762	1.058	0.701	1.490	3.813	1.120	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.7776	0.5761	0.7569	0.3910	0.3529	0.5693	0.7396	0.6598	0.4233

TABLE 12-12 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-12

HIROSHIMA + NAGASAKI, MALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE [IN RAD]								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	400	166	119	72	18	15	5	0	5
TOTAL	EXP.		164.8	110.4	75.8	22.5	14.7	5.4	2.4	3.9
	OBS./EXP.		1.007	1.076	0.950	0.801	1.022	0.927	0.000	1.285
	RELATIVE RISK		1.000	1.068	0.943	0.795	1.015	0.923	0.000	1.276
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5953	0.7537	0.4610	0.5297	0.9030	0.4771	0.6816	0.4637	0.6925
1950-54	OBS.	91	45	18	14	5	7	0	0	2
	EXP.		37.6	25.6	17.1	4.7	3.3	1.1	0.5	0.9
	OBS./EXP.		1.196	0.702	0.829	1.059	2.094	0.000	0.000	2.161
	RELATIVE RISK		1.000	0.587	0.686	0.886	1.752	0.000	0.000	1.807
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7939	0.5627	0.1869	0.8458	0.8080	0.4569	0.7891	0.3460	0.3875
1955-58	OBS.	86	34	32	15	3	1	0	0	1
	EXP.		34.8	24.2	16.4	4.8	3.2	1.2	0.5	0.9
	OBS./EXP.		0.977	1.321	0.917	0.630	0.308	0.000	0.000	1.142
	RELATIVE RISK		1.000	1.352	0.939	0.645	0.315	0.000	0.000	1.169
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5774	0.7663	0.8638	0.6662	0.8138	0.5319	0.6381	0.9150	0.7066
1959-62	OBS.	67	30	21	10	2	3	1	0	0
	EXP.		28.7	18.1	12.2	3.8	2.4	0.8	0.4	0.6
	OBS./EXP.		1.045	1.160	0.819	0.523	1.256	1.249	0.000	0.000
	RELATIVE RISK		1.000	1.110	0.783	0.500	1.202	1.195	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7071	0.8032	0.4089	0.3609	0.7974	0.8107	0.7904	0.4405	0.8370
1963-66	OBS.	66	27	21	12	3	1	0	0	2
	EXP.		26.6	18.2	12.7	3.9	2.5	1.0	0.4	0.7
	OBS./EXP.		1.014	1.156	0.946	0.762	0.400	0.000	0.000	3.037
	RELATIVE RISK		1.000	1.141	0.933	0.751	0.394	0.000	0.000	2.996
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5691	0.7049	0.8140	0.8493	0.8068	0.3375	0.6250	0.8732	0.3870
1967-70	OBS.	42	15	13	10	1	1	2	0	0
	EXP.		17.5	11.2	8.0	2.5	1.5	0.6	0.2	0.4
	OBS./EXP.		0.858	1.162	1.245	0.395	0.666	3.247	0.000	0.000
	RELATIVE RISK		1.000	1.354	1.451	0.661	0.776	3.785	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3366	0.7596	0.5610	0.1608	0.7800	0.7920	0.4455	0.3273	0.8076
1971-74	OBS.	33	13	8	5	3	2	2	0	0
	EXP.		13.5	8.7	6.5	2.0	1.2	0.5	0.2	0.3
	OBS./EXP.		0.960	0.917	0.767	1.508	1.721	3.985	0.000	0.000
	RELATIVE RISK		1.000	0.955	0.799	1.571	1.793	4.130	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6754	0.4293	0.3753	0.2505	0.7893	0.7999	0.4861	0.2539	0.8217
1975-78	OBS.	15	2	6	6	1	0	0	0	0
	EXP.		5.9	4.1	3.1	0.9	0.4	0.2	0.1	0.1
	OBS./EXP.		0.339	1.468	1.965	1.070	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	4.324	5.789	3.152	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0857	0.2717	0.7784	0.7660	0.7664	0.7639	0.0937	0.7836	0.7698

TABLE 12-13 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-13

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-AS TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	757	301	192	163	45	22	15	10	9
	EXP.	312.5	207.4	151.5	41.0	23.6	10.3	4.8	5.9	
	OBS./EXP.	0.963	0.926	1.076	1.097	0.931	1.438	2.089	1.533	
	RELATIVE RISK	1.000	0.961	1.117	1.139	0.966	1.514	2.169	1.591	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2071	0.2412	0.4687	0.1014	0.0398	0.1501	0.1666	0.2391	0.0032
1950-54	OBS.	57	23	13	8	7	2	1	2	1
	EXP.	22.8	16.2	11.7	3.2	3.2	1.7	0.7	0.3	0.4
	OBS./EXP.	1.010	0.804	0.684	2.219	1.157	1.367	3.843	2.617	
	RELATIVE RISK	1.000	0.796	0.677	2.196	1.145	1.353	5.784	2.393	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8128	0.1050	0.3856	0.3476	0.0734	0.2837	0.3364	0.4033	0.0088
1955-58	OBS.	95	37	24	21	7	1	2	0	1
	EXP.	38.3	24.8	19.4	5.2	2.8	1.2	0.6	0.6	0.7
	OBS./EXP.	0.967	0.971	1.083	1.340	0.353	1.648	0.000	1.641	
	RELATIVE RISK	1.000	1.004	1.120	1.386	0.365	1.705	0.000	1.491	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4052	0.3245	0.8040	0.4162	0.8098	0.3275	0.3280	0.6300	0.4773
1959-62	OBS.	122	51	29	21	11	7	1	1	1
	EXP.	53.0	31.8	24.3	6.6	3.4	1.4	0.7	0.8	0.8
	OBS./EXP.	0.962	0.911	0.863	1.673	2.082	0.697	1.486	1.297	
	RELATIVE RISK	1.000	0.947	0.897	1.739	2.164	0.725	1.544	1.349	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6611	0.1174	0.0662	0.6169	0.3209	0.3301	0.4217	0.1141	0.3945
1963-66	OBS.	111	48	25	26	4	3	2	1	2
	EXP.	48.1	29.0	21.9	5.8	3.3	1.4	0.7	0.7	0.8
	OBS./EXP.	0.998	0.861	1.185	0.492	0.921	1.392	1.501	2.479	
	RELATIVE RISK	1.000	0.863	1.187	0.693	0.923	1.395	1.503	2.483	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3502	0.7369	0.5919	0.3832	0.3339	0.3441	0.4539	0.4315	0.2816
1967-70	OBS.	125	51	32	29	4	3	2	1	3
	EXP.	52.6	33.5	24.8	6.6	4.0	1.8	0.8	0.8	1.0
	OBS./EXP.	0.969	0.954	1.172	0.607	0.759	1.134	1.248	3.023	
	RELATIVE RISK	1.000	0.984	1.208	0.626	0.783	1.170	1.287	3.118	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3120	0.7562	0.6149	0.3839	0.3495	0.1249	0.4799	0.4393	0.1742
1971-74	OBS.	130	55	33	29	5	2	2	3	1
	EXP.	52.5	34.6	25.7	7.1	4.3	1.9	0.9	0.9	1.0
	OBS./EXP.	1.049	0.902	1.129	0.706	0.461	1.041	3.465	0.957	
	RELATIVE RISK	1.000	0.860	1.076	0.673	0.439	0.993	3.305	0.912	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4624	0.7996	0.8666	0.6069	0.1694	0.6079	0.5511	0.9356	0.2876
1975-78	OBS.	117	36	34	29	7	4	5	2	0
	EXP.	45.9	33.4	23.6	6.4	4.1	1.8	0.8	0.8	1.1
	OBS./EXP.	0.785	1.019	1.229	1.093	0.976	2.775	2.457	0.000	
	RELATIVE RISK	1.000	1.298	1.566	1.392	1.243	3.534	3.129	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0877	0.2795	0.4714	0.0193	0.2128	0.8211	0.0791	0.1077	0.3916

TABLE 12-14 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-14

MIYOSHIMA + NAGASAKI, FEMALE, AGE ATB 0-9

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	13	7	2	2	0	0	2	0	0
TOTAL	EXP.		4.8	4.1	2.7	0.7	0.2	0.2	0.1	0.1
	OBS./EXP.		1.473	0.486	0.743	0.000	0.000	10.843	0.000	0.000
	RELATIVE RISK		1.000	0.329	0.504	0.000	0.000	7.361	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8135	0.8574	0.8261	0.1785	0.7773	0.7887	0.8628	0.3795	0.8025
									MONO.	TREND.
									0.0031	0.1975
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
									MONO.	TREND.
									X	X
1955-58	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	11.026	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	0.2398	X	X	X	0.2398	X
									MONO.	TREND.
									0.0000	0.0065
1959-62	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		2.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8266	0.7782	0.7703	0.7645	0.7621	0.7627	0.8379	0.7743	0.7645
									MONO.	TREND.
									0.9923	0.5952
1963-66	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
									MONO.	TREND.
									X	X
1967-70	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		6.933	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9060	0.8183	0.7983	0.7824	0.7698	0.7774	0.9243	0.8155	0.7859
									MONO.	TREND.
									0.7874	0.8021
1971-74	OBS.	5	1	2	2	0	0	0	0	0
	EXP.		2.1	1.5	1.0	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.483	1.352	2.054	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	2.800	4.252	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3915	0.7782	0.7702	0.7644	0.7621	0.7626	0.3540	0.7741	0.7644
									MONO.	TREND.
									0.9398	0.6466
1975-78	OBS.	5	4	0	0	0	0	1	0	0
	EXP.		1.8	1.6	1.0	0.3	0.1	0.1	0.0	0.0
	OBS./EXP.		2.213	0.000	0.000	0.000	0.000	14.071	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	6.358	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9186	0.8274	0.8040	0.2619	0.7711	0.7785	0.9340	0.3231	0.7878
									MONO.	TREND.
									0.0114	0.2508

TABLE 12-15 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-15

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 10-19

YEAR CLASS	TOTAL	T-65 TOTAL DOSE IN RAD							
		0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H
1950-78 OBS. TOTAL	29	9	8	6	1	4	0	2	1
		10.3	8.3	5.0	1.8	1.9	0.9	0.4	0.4
OBS./EXP. RELATIVE RISK		0.875 1.000	0.958 1.026	0.806 0.922	0.580 0.640	2.036 2.350	0.000 0.000	5.440 6.220	2.808 3.208
TEST PROB.	A=C? 0.4480	A=D? 0.6507	A=E? 0.2485	A=F? 0.8146	A=G? 0.1156	A=H? 0.2869	A=CD? 0.5650	A=EF? 0.4201	A=GH? 0.0751
								HOMO. 0.0917	TREND. 0.0212
1950-54 OBS. TOTAL	0	0	0	0	0	0	0	0	0
OBS./EXP. RELATIVE R									
TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X
								HOMO. X	TREND. X
1955-58 OBS. TOTAL	3	1	2	0	0	0	0	0	0
		1.4	0.7	0.5	0.1	0.1	0.0	0.0	0.0
OBS./EXP. RELATIVE RISK		0.720 1.000	2.705 3.756	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	A=C? 0.8267	A=D? 0.7803	A=E? 0.7755	A=F? 0.7662	A=G? 0.7652	A=H? 0.7648	A=CD? 0.8393	A=EF? 0.7308	A=GH? 0.7697
								HOMO. 0.8727	TREND. 0.7199
1959-62 OBS. TOTAL	1	0	1	0	0	0	0	0	0
		0.2	0.3	0.2	0.1	0.1	0.1	0.0	0.0
OBS./EXP. RELATIVE RISK		0.000 X	2.959 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X
TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X
								HOMO. 0.9621	TREND. 0.6370
1963-66 OBS. TOTAL	4	1	2	0	0	1	0	0	0
		1.4	1.2	0.7	0.3	0.3	0.1	0.1	0.1
OBS./EXP. RELATIVE RISK		0.731 1.000	1.709 2.338	0.000 0.000	0.000 0.000	3.522 4.817	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	A=C? 0.8266	A=D? 0.7802	A=E? 0.2580	A=F? 0.7662	A=G? 0.7653	A=H? 0.7649	A=CD? 0.8392	A=EF? 0.2684	A=GH? 0.7698
								HOMO. 0.8095	TREND. 0.5022
1967-70 OBS. TOTAL	8	3	3	0	0	1	0	0	1
		3.0	2.3	1.4	0.5	0.5	0.2	0.1	0.1
OBS./EXP. RELATIVE RISK		1.087 1.000	1.332 1.323	0.000 0.000	0.000 0.000	2.036 2.022	0.000 0.000	0.000 0.000	10.464 10.394
TEST PROB.	A=C? 0.8697	A=D? 0.7977	A=E? 0.2902	A=F? 0.7719	A=G? 0.7702	A=H? 0.2469	A=CD? 0.3865	A=EF? 0.3214	A=GH? 0.2552
								HOMO. 0.1170	TREND. 0.0444
1971-74 OBS. TOTAL	7	3	0	2	0	1	0	1	0
		2.5	2.0	1.2	0.4	0.5	0.2	0.1	0.1
OBS./EXP. RELATIVE RISK		1.191 1.000	0.000 0.000	1.668 1.401	0.000 0.000	2.185 1.835	0.000 0.000	11.299 9.490	0.000 0.000
TEST PROB.	A=C? 0.3649	A=D? 0.8292	A=E? 0.3513	A=F? 0.8074	A=G? 0.2544	A=H? 0.7770	A=CD? 0.3989	A=EF? 0.5651	A=GH? 0.2703
								HOMO. 0.0627	TREND. 0.1107
1975-78 OBS. TOTAL	6	1	0	2	1	1	0	1	0
		1.5	1.8	1.0	0.4	0.5	0.3	0.1	0.1
OBS./EXP. RELATIVE RISK		0.551 1.000	0.000 0.000	1.988 3.607	2.378 4.314	2.010 3.646	0.000 0.000	12.546 22.761	0.000 0.000
TEST PROB.	A=C? 0.4440	A=D? 0.2600	A=E? 0.2576	A=F? 0.7661	A=G? 0.2436	A=H? 0.7646	A=CD? 0.3235	A=EF? 0.2679	A=GH? 0.2474
								HOMO. 0.0302	TREND. 0.0392

TABLE 12-16 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-16

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 20-34

YEAR	CLASS	7-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	129	41	32	33	7	4	8	3	1
TOTAL	EXP.		51.4	36.3	24.4	7.4	4.8	2.0	1.1	1.6
	OBS./EXP.		0.797	0.881	1.355	0.947	0.842	3.943	2.684	0.632
	RELATIVE RISK		1.000	1.105	1.700	1.188	1.056	4.947	3.367	0.792
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0560	0.4444	0.4306	0.0044	0.1663	0.6565	0.0759	0.0596	0.3186
									HOMO.	TREND.
									0.0003	0.0133
1950-54	OBS.	4	1	2	0	0	0	1	0	0
	EXP.		1.5	1.2	0.8	0.2	0.2	0.1	0.0	0.1
	OBS./EXP.		0.652	1.734	0.000	0.000	0.000	14.370	0.000	0.000
	RELATIVE RISK		1.000	2.658	0.000	0.000	0.000	22.030	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8303	0.7844	0.7735	0.2452	0.7635	0.7654	0.8452	0.2623	0.7686
									HOMO.	TREND.
									0.0411	0.1931
1955-58	OBS.	12	5	1	3	2	0	1	0	0
	EXP.		4.9	3.3	2.3	0.7	0.4	0.2	0.1	0.1
	OBS./EXP.		1.029	0.299	1.328	2.918	0.000	5.501	0.000	0.000
	RELATIVE RISK		1.000	0.291	1.290	2.835	0.000	5.344	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3938	0.4064	0.8298	0.2631	0.7812	0.7269	0.3894	0.3482	0.8039
									HOMO.	TREND.
									0.2698	0.3103
1959-62	OBS.	10	3	4	0	0	2	0	1	0
	EXP.		3.7	2.9	1.9	0.6	0.4	0.2	0.1	0.1
	OBS./EXP.		0.808	1.360	0.000	0.000	4.805	0.000	10.103	0.000
	RELATIVE RISK		1.000	1.684	0.000	0.000	5.948	0.000	12.506	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9064	0.8334	0.1758	0.7971	0.2478	0.7830	0.9270	0.2638	0.2611
									HOMO.	TREND.
									0.0131	0.0853
1963-66	OBS.	22	8	5	5	1	0	2	0	1
	EXP.		9.1	6.0	4.1	1.2	0.8	0.3	0.2	0.3
	OBS./EXP.		0.880	0.829	1.212	0.807	0.000	4.340	0.000	3.874
	RELATIVE RISK		1.000	0.942	1.378	0.917	0.000	7.208	0.000	4.404
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4792	0.6656	0.8396	0.1098	0.7846	0.2687	0.4255	0.4193	0.2928
									HOMO.	TREND.
									0.0812	0.0309
1967-70	OBS.	21	6	4	9	1	0	0	1	0
	EXP.		8.4	5.9	4.0	1.2	0.8	0.3	0.2	0.3
	OBS./EXP.		0.714	0.678	2.269	0.834	0.000	0.000	5.315	0.000
	RELATIVE RISK		1.000	0.950	3.178	1.169	0.000	0.000	7.724	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.0742	0.3521	0.8022	0.7772	0.2543	0.7766	0.1019	0.8149	0.2791
									HOMO.	TREND.
									0.0777	0.4418
1971-74	OBS.	31	9	9	9	2	1	1	0	0
	EXP.		12.1	8.8	5.9	1.8	1.2	0.5	0.3	0.4
	OBS./EXP.		0.741	1.012	1.536	1.116	0.844	1.958	0.000	0.000
	RELATIVE RISK		1.000	1.373	2.073	1.507	1.139	2.643	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1561	0.3879	0.5424	0.3262	0.7942	0.8008	0.1756	0.3894	0.3263
									HOMO.	TREND.
									0.8116	0.5980
1975-78	OBS.	29	9	7	7	1	1	3	1	0
	EXP.		11.8	8.1	5.5	1.6	1.0	0.4	0.2	0.3
	OBS./EXP.		0.766	0.863	1.281	0.616	0.958	7.040	4.169	0.000
	RELATIVE RISK		1.000	1.127	1.674	0.805	1.252	9.197	5.446	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3084	0.5638	0.3201	0.0088	0.2538	0.7824	0.3559	0.0741	0.2797
									HOMO.	TREND.
									0.0055	0.0327

TABLE 12-17 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-17

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 35-49

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	308	113	90	70	21	6	2	3	3
TOTAL	EXP.		124.6	83.4	64.2	16.4	10.3	4.4	2.0	2.7
	OBS./EXP.		0.907	1.079	1.090	1.278	0.583	0.459	1.474	1.109
	RELATIVE RISK		1.000	1.190	1.202	1.409	0.643	0.507	1.625	1.223
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1672	0.1221	0.7579	0.7422	0.3294	0.4294	0.1172	0.8013	0.2740
									HOMO.	TREND.
									0.4294	0.5663
1950-54	OBS.	23	8	7	3	4	0	0	1	0
	EXP.		9.3	6.2	4.8	1.2	0.8	0.3	0.2	0.2
	OBS./EXP.		0.860	1.128	0.624	3.260	0.000	0.000	6.461	0.000
	RELATIVE RISK		1.000	1.311	0.725	3.789	0.000	0.000	7.511	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6357	0.0929	0.8144	0.7830	0.2512	0.7749	0.4007	0.8301	0.2667
									HOMO.	TREND.
									0.0682	0.3159
1955-58	OBS.	32	11	10	8	2	1	0	0	0
	EXP.		12.5	8.9	6.7	1.7	1.1	0.5	0.2	0.3
	OBS./EXP.		0.878	1.124	1.187	1.157	0.910	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.280	1.352	1.317	1.036	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4099	0.3798	0.3583	0.7898	0.7758	0.7798	0.3728	0.5274	0.7934
									HOMO.	TREND.
									0.9779	0.7846
1959-62	OBS.	47	15	15	9	6	0	1	0	1
	EXP.		19.6	12.3	9.7	2.5	1.5	0.6	0.3	0.4
	OBS./EXP.		0.765	1.218	0.926	2.398	0.000	1.609	0.000	2.541
	RELATIVE RISK		1.000	1.591	1.210	3.134	0.000	2.102	0.000	3.321
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4678	0.0468	0.8453	0.2866	0.7809	0.2677	0.1495	0.6671	0.2952
									HOMO.	TREND.
									0.2065	0.2312
1963-66	OBS.	40	17	9	11	2	1	0	0	0
	EXP.		16.8	10.4	8.3	2.1	1.3	0.5	0.3	0.3
	OBS./EXP.		1.014	0.862	1.330	0.946	0.772	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.849	1.311	0.933	0.761	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3911	0.5650	0.8493	0.8147	0.7885	0.7973	0.4150	0.7379	0.8191
									HOMO.	TREND.
									0.9405	0.8279
1967-70	OBS.	57	22	17	15	0	2	0	0	1
	EXP.		23.2	15.3	11.8	3.0	1.9	0.8	0.4	0.5
	OBS./EXP.		0.948	1.111	1.266	0.000	1.051	0.000	0.000	1.947
	RELATIVE RISK		1.000	1.171	1.335	0.000	1.108	0.000	0.000	2.053
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3276	0.9171	0.3903	0.8230	0.7934	0.1041	0.4519	0.5990	0.3850
									HOMO.	TREND.
									0.5633	0.6481
1971-74	OBS.	53	25	13	9	3	0	0	2	1
	EXP.		21.9	14.2	10.9	2.8	1.7	0.7	0.3	0.4
	OBS./EXP.		1.141	0.917	0.823	1.081	0.000	0.000	6.154	2.339
	RELATIVE RISK		1.000	0.804	0.721	0.948	0.000	0.000	5.395	2.068
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.7552	0.5584	0.8852	0.8276	0.1058	0.3045	0.7423	0.9115	0.1233
									HOMO.	TREND.
									0.0776	0.1830
1975-78	OBS.	56	15	19	15	4	2	1	0	0
	EXP.		21.5	16.0	11.8	3.0	1.9	0.9	0.4	0.5
	OBS./EXP.		0.698	1.186	1.270	1.332	1.031	1.175	0.000	0.000
	RELATIVE RISK		1.000	1.699	1.819	1.908	1.476	1.682	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1170	0.2364	0.3777	0.2971	0.7848	0.7914	0.0876	0.6443	0.8110
									HOMO.	TREND.
									0.6868	0.6133

TABLE 12-18 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-18

HIROSHIMA + NAGASAKI, FEMALE, AGE 15-50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	278	131	60	54	16	8	3	2	4
TOTAL	EXP.		121.5	75.2	55.3	14.7	6.3	2.8	1.2	1.1
	OBS./EXP.		1.079	0.798	0.977	1.085	1.273	1.080	1.681	3.633
	RELATIVE RISK		1.000	0.740	0.906	1.006	1.180	1.001	1.558	3.368
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.7201	0.4655	0.4204	0.4430	0.3910	0.0825	0.6873	0.4065	0.1009
1950-54	OBS.	30	14	4	5	3	2	0	1	1
	EXP.		11.9	8.8	6.1	1.7	0.8	0.3	0.2	0.2
	OBS./EXP.		1.173	0.454	0.816	1.772	2.503	0.000	6.659	6.403
	RELATIVE RISK		1.000	0.387	0.696	1.511	2.134	0.000	5.677	5.459
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.8122	0.4340	0.4467	0.7996	0.2569	0.2624	0.6870	0.3746	0.1468
1955-58	OBS.	47	20	13	10	3	0	0	0	1
	EXP.		19.3	13.4	9.6	2.4	1.2	0.5	0.2	0.2
	OBS./EXP.		1.036	0.969	1.041	1.150	0.000	0.000	0.000	5.033
	RELATIVE RISK		1.000	0.935	1.005	1.109	0.000	0.000	0.000	4.857
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4482	0.4166	0.3520	0.8074	0.7831	0.2650	0.4496	0.8756	0.2990
1959-62	OBS.	63	32	9	12	5	5	0	0	0
	EXP.		29.0	16.0	12.4	3.4	1.3	0.6	0.3	0.2
	OBS./EXP.		1.103	0.564	0.970	1.492	3.915	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.511	0.880	1.353	3.549	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.6774	0.4071	0.0374	0.8143	0.7874	0.7848	0.5770	0.1144	0.8076
1963-66	OBS.	45	22	9	10	1	1	0	1	1
	EXP.		20.9	11.4	8.9	2.2	0.9	0.5	0.2	0.2
	OBS./EXP.		1.054	0.791	1.128	0.461	1.082	0.000	5.405	6.132
	RELATIVE RISK		1.000	0.751	1.070	0.437	1.027	0.000	5.127	5.817
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.4461	0.7774	0.4089	0.8035	0.2600	0.2580	0.5800	0.6575	0.1113
1967-70	OBS.	38	19	8	5	3	0	2	0	1
	EXP.		17.8	9.7	7.3	1.8	0.7	0.4	0.1	0.1
	OBS./EXP.		1.066	0.825	0.684	1.664	0.000	5.356	0.000	8.692
	RELATIVE RISK		1.000	0.774	0.641	1.560	0.000	5.024	0.000	8.153
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.7609	0.4317	0.8261	0.1267	0.7740	0.2516	0.6766	0.4101	0.2668
1971-74	OBS.	34	17	9	7	0	0	1	0	0
	EXP.		13.8	10.1	6.7	1.9	0.9	0.4	0.2	0.1
	OBS./EXP.		1.232	0.891	1.042	0.000	0.000	2.469	0.000	0.000
	RELATIVE RISK		1.000	0.725	0.845	0.000	0.000	2.004	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.6990	0.9211	0.8679	0.3239	0.7921	0.7834	0.8178	0.7389	0.8101
1975-78	OBS.	21	7	8	5	1	0	0	0	0
	EXP.		9.0	5.8	4.3	1.1	0.5	0.2	0.1	0.1
	OBS./EXP.		0.778	1.379	1.171	0.908	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.772	1.505	1.167	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	A=K?
	PROB.	0.3875	0.3702	0.7930	0.7760	0.7659	0.7664	0.3867	0.8054	0.7715

TABLE 12-19 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-19

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	Y-65 TOTAL DOSE (mRAD)								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	1443	647	356	272	71	47	22	11	17
	EXP.		651.4	373.6	266.9	71.2	45.2	15.7	7.5	11.5
	OBS./EXP. RELATIVE RISK		0.993 1.000	0.953 0.959	1.019 1.026	0.997 1.003	1.039 1.046	1.399 1.409	1.474 1.484	1.482 1.492
	TEST PROB.	A=C? 0.4119	A=D? 0.4851	A=E? 0.4355	A=F? 0.1486	A=G? 0.2099	A=H? 0.1381	A=CD? 0.4257	A=EF? 0.2415	A=GH? 0.0764
									MONO. 0.3414	TREND. 0.0057
1950-54	OBS. EXP.	152	78 68.5	33 39.8	19 27.8	12 7.5	7 4.9	1 1.6	2 0.8	0 1.2
	OBS./EXP. RELATIVE RISK		1.139 1.000	0.829 0.728	0.684 0.600	1.603 1.407	1.438 1.262	0.629 0.552	2.581 2.265	0.000 0.000
	TEST PROB.	A=C? 0.9334	A=D? 0.2607	A=E? 0.4117	A=F? 0.7348	A=G? 0.3876	A=H? 0.8646	A=CD? 0.8260	A=EF? 0.4473	A=GH? 0.6032
									MONO. 0.0897	TREND. 0.4830
1955-58	OBS. EXP.	199	84 89.3	55 51.6	40 36.7	11 10.0	5 6.3	1 2.1	2 1.0	1 1.6
	OBS./EXP. RELATIVE RISK		0.936 1.000	1.067 1.140	1.091 1.166	1.102 1.178	0.800 0.855	0.466 0.498	1.928 2.061	0.634 0.677
	TEST PROB.	A=C? 0.3135	A=D? 0.4231	A=E? 0.6375	A=F? 0.7579	A=G? 0.4442	A=H? 0.6806	A=CD? 0.2938	A=EF? 0.7107	A=GH? 0.4098
									MONO. 0.8863	TREND. 0.5976
1959-62	OBS. EXP.	227	103 102.7	52 58.1	40 42.4	13 11.7	12 6.9	3 2.4	2 1.1	2 1.6
	OBS./EXP. RELATIVE RISK		1.003 1.000	0.895 0.893	0.944 0.942	1.109 1.106	1.738 1.733	1.248 1.245	1.750 1.746	1.228 1.225
	TEST PROB.	A=C? 0.6072	A=D? 0.4684	A=E? 0.3124	A=F? 0.4104	A=G? 0.4694	A=H? 0.3910	A=CD? 0.5551	A=EF? 0.1234	A=GH? 0.4103
									MONO. 0.5902	TREND. 0.0820
1963-66	OBS. EXP.	222	99 100.4	51 56.9	46 41.3	10 11.0	7 7.0	4 2.5	1 1.1	4 1.8
	OBS./EXP. RELATIVE RISK		0.986 1.000	0.896 0.909	1.114 1.130	0.906 0.919	1.006 1.020	1.594 1.618	0.896 0.909	2.230 2.313
	TEST PROB.	A=C? 0.3411	A=D? 0.6027	A=E? 0.4572	A=F? 0.3476	A=G? 0.5841	A=H? 0.1794	A=CD? 0.3909	A=EF? 0.4117	A=GH? 0.2492
									MONO. 0.6524	TREND. 0.0527
1967-70	OBS. EXP.	222	102 100.8	59 56.8	40 41.4	5 10.8	6 6.9	5 2.5	0 1.1	5 1.8
	OBS./EXP. RELATIVE RISK		1.012 1.000	1.039 1.027	0.967 0.955	0.462 0.456	0.868 0.857	2.008 1.984	0.000 0.000	2.825 2.791
	TEST PROB.	A=C? 0.5945	A=D? 0.9112	A=E? 0.6559	A=F? 0.2010	A=G? 0.8476	A=H? 0.0811	A=CD? 0.7536	A=EF? 0.4395	A=GH? 0.2621
									MONO. 0.0726	TREND. 0.0771
1971-74	OBS. EXP.	220	103 99.2	51 57.1	44 40.9	8 10.6	6 6.8	3 2.4	2 1.1	3 1.8
	OBS./EXP. RELATIVE RISK		1.038 1.000	0.893 0.860	1.076 1.036	0.757 0.730	0.877 0.845	1.232 1.187	1.788 1.722	1.692 1.630
	TEST PROB.	A=C? 0.4765	A=D? 0.7585	A=E? 0.6628	A=F? 0.4129	A=G? 0.3995	A=H? 0.4194	A=CD? 0.5618	A=EF? 0.5965	A=GH? 0.2894
									MONO. 0.8413	TREND. 0.1678
1975-78	OBS. EXP.	201	78 90.0	55 53.3	43 37.2	12 9.5	4 6.5	5 2.1	2 1.0	2 1.5
	OBS./EXP. RELATIVE RISK		0.867 1.000	1.033 1.191	1.157 1.334	1.267 1.461	0.619 0.714	2.354 2.715	1.984 2.288	1.316 1.519
	TEST PROB.	A=C? 0.1557	A=D? 0.2235	A=E? 0.7374	A=F? 0.0986	A=G? 0.3839	A=H? 0.3843	A=CD? 0.1185	A=EF? 0.4364	A=GH? 0.2936
									MONO. 0.2366	TREND. 0.0649

TABLE 12-20 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-20

HIROSHIMA, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	16	8	6	1	0	0	0	0	1
TOTAL	EXP.		7.5	4.3	2.9	0.7	0.3	0.1	0.1	0.1
	OBS./EXP.		1.064	1.404	0.340	0.000	0.000	0.000	0.000	12.450
	RELATIVE RISK		1.000	1.319	0.320	0.000	0.000	0.000	0.000	11.703
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8482	0.8276	0.7984	0.7779	0.7683	0.2495	0.8922	0.8120	0.2575
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		2.139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8266	0.7792	0.7703	0.7645	0.7621	0.7627	0.8379	0.7743	0.7645
1963-66	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
1967-70	OBS.	3	1	1	0	0	0	0	0	1
	EXP.		1.4	0.8	0.6	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.705	1.266	0.000	0.000	0.000	0.000	0.000	68.702
	RELATIVE RISK		1.000	1.796	0.000	0.000	0.000	0.000	0.000	97.433
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8281	0.7783	0.7685	0.7641	0.7620	0.2409	0.8393	0.7722	0.2418
1971-74	OBS.	5	1	3	1	0	0	0	0	0
	EXP.		2.3	1.3	0.9	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		0.427	2.226	1.097	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	5.211	2.568	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2900	0.7782	0.7702	0.7644	0.7621	0.7626	0.3042	0.7741	0.7644
1975-78	OBS.	7	5	2	0	0	0	0	0	0
	EXP.		3.3	1.9	1.3	0.3	0.1	0.1	0.0	0.0
	OBS./EXP.		1.517	1.074	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.708	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9021	0.8087	0.7865	0.7719	0.7656	0.7670	0.9179	0.7962	0.7721

TABLE 12-21 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-21

MIYOSHI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	38	15	14	6	1	0	0	0	2
TOTAL	EXP.		17.2	11.0	6.0	1.4	1.1	0.5	0.3	0.4
	OBS./EXP.		0.871	1.273	1.000	0.707	0.000	0.000	0.000	4.563
	RELATIVE RISK		1.000	1.462	1.156	0.813	0.000	0.000	0.000	5.242
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4303	0.6399	0.8461	0.8021	0.7917	0.1388	0.4376	0.8693	0.2011
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	4	1	3	0	0	0	0	0	0
	EXP.		1.8	1.1	0.7	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.545	2.830	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	5.191	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8267	0.7803	0.7755	0.7662	0.7652	0.7648	0.8393	0.7808	0.6518
1959-62	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1963-66	OBS.	4	2	2	0	0	0	0	0	0
	EXP.		1.8	1.1	0.6	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		1.100	1.762	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.602	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8446	0.7857	0.7809	0.7691	0.7667	0.7684	0.8386	0.7886	0.7744
1967-70	OBS.	8	3	3	1	0	0	0	0	1
	EXP.		3.7	2.2	1.3	0.3	0.2	0.1	0.1	0.1
	OBS./EXP.		0.820	1.365	0.762	0.000	0.000	0.000	0.000	11.378
	RELATIVE RISK		1.000	1.664	0.929	0.000	0.000	0.000	0.000	13.870
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5873	0.7977	0.7886	0.7719	0.7702	0.2469	0.6660	0.7982	0.2552
1971-74	OBS.	11	6	3	2	0	0	0	0	0
	EXP.		5.0	3.2	1.7	0.4	0.3	0.1	0.1	0.1
	OBS./EXP.		1.204	0.929	1.175	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.772	0.976	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5616	0.8114	0.8033	0.7801	0.7740	0.7787	0.6617	0.8181	0.7908
1975-78	OBS.	11	3	3	3	1	0	0	0	1
	EXP.		5.0	3.4	1.6	0.4	0.3	0.1	0.1	0.1
	OBS./EXP.		0.600	0.889	1.836	2.666	0.000	0.000	0.000	7.863
	RELATIVE RISK		1.000	1.468	3.031	4.402	0.000	0.000	0.000	12.984
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2867	0.2675	0.7863	0.7718	0.7681	0.2483	0.2111	0.7960	0.2546

TABLE 12-22 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-22

MIYOSHIMA, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	167	66	61	40	5	6	5	2	2
TOTAL	EXP.	74.3	45.2	29.4	8.0	5.0	2.1	1.2	1.8	
	OBS./EXP.	0.888	0.907	1.360	0.626	1.197	2.384	1.688	1.117	
	RELATIVE RISK	1.000	1.021	1.531	0.704	1.347	2.684	1.900	1.257	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0744	0.7390	0.3999	0.1050	0.4242	0.3921	0.1482	0.1473	0.3982
1950-54	OBS.	5	1	4	0	0	0	0	0	0
	EXP.	2.2	1.4	0.9	0.2	0.2	0.1	0.0	0.1	
	OBS./EXP.	0.451	2.946	0.000	0.000	0.000	0.000	0.000	0.000	
	RELATIVE RISK	1.000	6.529	0.000	0.000	0.000	0.000	0.000	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8303	0.7844	0.7735	0.7655	0.7635	0.7654	0.8452	0.7784	0.7686
1955-58	OBS.	12	4	1	4	2	0	1	0	0
	EXP.	5.3	3.2	2.2	0.6	0.3	0.1	0.1	0.1	
	OBS./EXP.	0.748	0.316	1.844	3.254	0.000	7.122	0.000	0.000	
	RELATIVE RISK	1.000	0.422	2.684	4.349	0.000	9.518	0.000	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2769	0.2576	0.7914	0.2509	0.7682	0.7728	0.1738	0.2844	0.7801
1959-62	OBS.	13	4	3	1	0	3	0	1	1
	EXP.	5.8	3.5	2.3	0.6	0.4	0.2	0.1	0.1	
	OBS./EXP.	0.693	0.846	0.441	0.000	7.621	0.000	10.687	7.072	
	RELATIVE RISK	1.000	1.221	0.636	0.000	11.004	0.000	15.430	10.211	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6996	0.8085	0.0144	0.7759	0.2469	0.2510	0.7547	0.0435	0.0422
1963-66	OBS.	28	11	7	6	0	1	2	0	1
	EXP.	12.5	7.5	5.0	1.4	0.8	0.3	0.2	0.2	
	OBS./EXP.	0.881	0.932	1.208	0.000	1.210	5.743	0.000	3.337	
	RELATIVE RISK	1.000	1.059	1.372	0.000	1.374	6.522	0.000	3.789	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4355	0.8581	0.3588	0.1049	0.7798	0.2720	0.4356	0.2124	0.2978
1967-70	OBS.	29	11	8	9	1	0	0	0	0
	EXP.	12.9	7.9	5.1	1.4	0.9	0.4	0.2	0.2	
	OBS./EXP.	0.850	1.019	1.775	0.729	0.000	0.000	0.000	0.000	
	RELATIVE RISK	1.000	1.198	2.087	0.857	0.000	0.000	0.000	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1628	0.6124	0.8302	0.7944	0.7804	0.7893	0.2142	0.8514	0.8059
1971-74	OBS.	38	17	8	11	1	1	0	0	0
	EXP.	16.9	10.3	6.7	1.8	1.1	0.5	0.3	0.3	
	OBS./EXP.	1.003	0.778	1.646	0.552	0.879	0.000	0.000	0.000	
	RELATIVE RISK	1.000	0.776	1.841	0.550	0.876	0.000	0.000	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2222	0.7248	0.6190	0.8115	0.7910	0.8031	0.3073	0.7231	0.8262
1975-78	OBS.	42	18	10	9	1	1	2	1	0
	EXP.	18.6	11.5	7.3	1.9	1.3	0.5	0.3	0.3	
	OBS./EXP.	0.966	0.866	1.225	0.514	0.784	3.807	3.354	0.000	
	RELATIVE RISK	1.000	0.896	1.268	0.532	0.811	3.939	3.470	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4110	0.7427	0.6372	0.2202	0.2740	0.8035	0.4495	0.4115	0.3551

TABLE 12-23 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-23

HIROSHIMA, MALE + FEMALE, AGE ATB 35-49

YEAR CLASS		T=65 TOTAL DOSE IN RAD								
		TOTAL	A	B	C	D	E	F	G	H
1950-78	OBS.	632	276	150	121	37	23	9	7	9
TOTAL	EXP.	283.4	160.7	118.8	30.6	22.7	7.2	3.2	3.5	
	OBS./EXP.	0.974	0.934	1.019	1.210	1.013	1.255	2.191	1.638	
	RELATIVE RISK	1.000	0.959	1.046	1.242	1.040	1.289	2.249	1.682	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4011	0.2098	0.4714	0.3552	0.0922	0.1787	0.2930	0.3970	0.0050
1950-54	OBS.	46	19	10	7	6	2	1	1	0
	EXP.	20.7	11.6	8.6	2.3	1.6	0.5	0.3	0.4	
	OBS./EXP.	0.920	0.862	0.809	2.651	1.230	1.861	3.775	0.000	
	RELATIVE RISK	1.000	0.937	0.880	2.881	1.337	2.023	4.104	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8266	0.0786	0.3841	0.3076	0.2692	0.7985	0.3825	0.6374	0.1534
1955-58	OBS.	74	31	18	14	4	4	0	2	1
	EXP.	33.2	18.8	13.8	3.6	2.7	0.9	0.4	0.7	
	OBS./EXP.	0.935	0.956	1.016	1.105	1.506	0.000	4.810	1.448	
	RELATIVE RISK	1.000	1.023	1.087	1.182	1.610	0.000	5.145	1.549	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4619	0.4209	0.3646	0.8306	0.1400	0.3364	0.6697	0.4231	0.0984
1959-62	OBS.	89	36	21	20	7	1	2	1	1
	EXP.	39.9	22.5	16.8	4.4	3.2	1.0	0.5	0.8	
	OBS./EXP.	0.901	0.934	1.192	1.599	0.317	1.969	2.106	1.270	
	RELATIVE RISK	1.000	1.037	1.323	1.774	0.352	2.185	2.337	1.409	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2662	0.2144	0.8344	0.4298	0.2958	0.3535	0.1887	0.6665	0.2049
1963-66	OBS.	92	40	18	20	7	4	2	0	1
	EXP.	41.3	23.4	17.2	4.4	3.4	1.0	0.4	0.8	
	OBS./EXP.	0.968	0.770	1.162	1.593	1.193	1.914	0.000	1.197	
	RELATIVE RISK	1.000	0.796	1.200	1.646	1.233	1.977	0.000	1.237	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3627	0.2506	0.4267	0.4479	0.8925	0.3775	0.2653	0.3692	0.6351
1967-70	OBS.	109	53	29	18	1	5	1	0	2
	EXP.	48.9	27.6	20.7	5.2	3.9	1.2	0.5	0.9	
	OBS./EXP.	1.084	1.050	0.869	0.193	1.273	0.818	0.000	2.145	
	RELATIVE RISK	1.000	0.968	0.802	0.178	1.175	0.755	0.000	1.979	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7457	0.9356	0.4329	0.6372	0.8107	0.4393	0.8696	0.4416	0.3888
1971-74	OBS.	112	54	25	20	4	4	0	2	3
	EXP.	50.1	28.7	21.2	5.4	4.0	1.3	0.5	0.9	
	OBS./EXP.	1.079	0.872	0.944	0.745	0.990	0.000	4.043	3.317	
	RELATIVE RISK	1.000	0.808	0.875	0.690	0.918	0.000	3.749	3.076	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6712	0.7426	0.5900	0.8626	0.2222	0.1575	0.7230	0.7337	0.0517
1975-78	OBS.	110	43	29	22	8	3	3	1	1
	EXP.	49.2	28.5	20.6	5.2	4.1	1.2	0.4	0.8	
	OBS./EXP.	0.874	1.018	1.066	1.535	0.738	2.602	2.230	1.249	
	RELATIVE RISK	1.000	1.165	1.220	1.756	0.844	2.978	2.552	1.428	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3345	0.1923	0.6479	0.1724	0.2892	0.3523	0.2268	0.4308	0.4122

TABLE 12-24 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-24

HIROSHIMA, MALE + FEMALE, AGE ATB 50+

YEAR CLASS		1-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	590	282	145	104	28	18	8	2	3
	EXP.		268.9	152.4	109.8	30.6	16.1	5.8	2.7	3.7
	OBS./EXP.		1.049	0.951	0.947	0.915	1.121	1.370	0.745	0.818
	RELATIVE RISK		1.000	0.907	0.903	0.873	1.069	1.307	0.710	0.780
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7473	0.7057	0.4596	0.3567	0.6933	0.6666	0.7782	0.3531	0.5342
1950-54	OBS.	101	58	19	12	6	5	0	1	0
	EXP.		45.6	26.3	18.3	5.0	3.1	1.0	0.5	0.8
	OBS./EXP.		1.272	0.708	0.657	1.204	1.617	0.000	2.109	0.000
	RELATIVE RISK		1.000	0.556	0.517	0.946	1.271	0.000	1.657	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9443	0.5749	0.4801	0.8579	0.3276	0.8428	0.9191	0.3622	0.6799
1955-58	OBS.	109	68	33	22	5	1	0	0	0
	EXP.		49.4	28.5	20.0	5.6	3.1	1.1	0.5	0.7
	OBS./EXP.		0.971	1.158	1.098	0.895	0.321	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.193	1.131	0.922	0.331	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4100	0.5909	0.8405	0.8461	0.8063	0.8217	0.4680	0.8913	0.8523
1959-62	OBS.	124	62	28	19	6	8	1	0	0
	EXP.		56.6	31.8	23.1	6.7	3.3	1.2	0.6	0.7
	OBS./EXP.		1.096	0.880	0.821	0.896	2.397	0.827	0.000	0.000
	RELATIVE RISK		1.000	0.803	0.749	0.817	2.186	0.754	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8069	0.8722	0.0877	0.6569	0.8175	0.8272	0.8109	0.1476	0.8641
1963-66	OBS.	98	46	24	20	3	2	0	1	2
	EXP.		44.8	24.9	18.5	5.1	2.7	1.1	0.4	0.6
	OBS./EXP.		1.027	0.964	1.084	0.586	0.752	0.000	2.264	3.485
	RELATIVE RISK		1.000	0.939	1.055	0.570	0.733	0.000	2.224	3.393
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4666	0.7946	0.8786	0.8485	0.2987	0.2431	0.5845	0.7892	0.1735
1967-70	OBS.	73	34	18	12	3	1	4	0	1
	EXP.		33.9	18.3	13.7	3.8	1.8	0.8	0.3	0.4
	OBS./EXP.		1.004	0.984	0.875	0.785	0.554	5.172	0.000	2.364
	RELATIVE RISK		1.000	0.980	0.872	0.782	0.552	5.152	0.000	2.355
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6508	0.6618	0.7341	0.0201	0.7909	0.2905	0.6750	0.2220	0.3457
1971-74	OBS.	54	25	12	10	3	1	3	0	0
	EXP.		24.9	13.6	10.4	2.8	1.2	0.5	0.2	0.3
	OBS./EXP.		1.004	0.884	0.959	1.080	0.811	5.718	0.000	0.000
	RELATIVE RISK		1.000	0.880	0.956	1.076	0.808	5.697	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5656	0.4297	0.6304	0.0388	0.7850	0.7912	0.5407	0.2089	0.8109
1975-78	OBS.	31	9	11	9	2	0	0	0	0
	EXP.		13.9	8.0	6.3	1.7	0.7	0.3	0.2	0.1
	OBS./EXP.		0.647	1.376	1.438	1.209	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	2.126	2.218	1.868	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1500	0.4013	0.8033	0.7793	0.7703	0.7687	0.1449	0.8174	0.7779

TABLE 12-25 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-25

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	311	61	117	58	20	17	10	6	12
TOTAL	EXP.		66.6	110.8	61.9	25.0	21.8	11.0	6.8	8.1
	OBS./EXP.		0.915	1.056	1.047	0.801	0.780	0.909	1.256	1.965
	RELATIVE RISK		1.000	1.156	1.144	0.874	0.852	0.993	1.372	2.167
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3036	0.6826	0.7000	0.5447	0.4079	0.0494	0.4086	0.6709	0.0704
1950-54	OBS.	31	2	9	9	3	4	1	0	3
	EXP.		6.4	11.5	7.2	2.3	1.8	0.9	0.4	0.6
	OBS./EXP.		0.315	0.783	1.250	1.299	2.199	1.138	0.000	5.410
	RELATIVE RISK		1.000	2.486	3.968	4.124	6.983	3.613	0.000	17.160
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1389	0.2244	0.0668	0.2796	0.7823	0.0057	0.1268	0.0833	0.0362
1955-58	OBS.	42	9	20	9	1	0	1	0	2
	EXP.		8.4	15.8	9.7	3.2	2.5	1.2	0.5	0.7
	OBS./EXP.		1.074	1.268	0.926	0.315	0.000	0.823	0.000	2.681
	RELATIVE RISK		1.000	1.181	0.862	0.293	0.000	0.766	0.000	2.496
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6044	0.8667	0.9210	0.6386	0.8155	0.3818	0.7343	0.8832	0.3767
1959-62	OBS.	30	4	14	8	2	1	0	1	0
	EXP.		6.4	10.6	6.1	2.5	2.1	1.1	0.5	0.6
	OBS./EXP.		0.623	1.315	1.301	0.801	0.468	0.000	2.110	0.000
	RELATIVE RISK		1.000	2.109	2.087	1.284	0.750	0.000	3.384	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2783	0.3846	0.6712	0.8306	0.2796	0.8080	0.5130	0.7656	0.3397
1963-66	OBS.	43	8	17	9	4	2	0	0	3
	EXP.		9.6	14.7	8.8	3.6	3.1	1.6	0.7	0.9
	OBS./EXP.		0.830	1.159	1.024	1.106	0.643	0.000	0.000	3.300
	RELATIVE RISK		1.000	1.396	1.233	1.332	0.774	0.000	0.000	3.974
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4446	0.4228	0.6786	0.8724	0.8222	0.1331	0.4536	0.8080	0.3275
1967-70	OBS.	52	9	18	14	3	3	2	2	1
	EXP.		11.8	17.8	10.3	4.3	3.9	2.0	0.8	1.1
	OBS./EXP.		0.762	1.010	1.354	0.698	0.778	1.016	2.372	0.936
	RELATIVE RISK		1.000	1.324	1.776	0.916	1.021	1.332	3.111	1.228
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2194	0.5997	0.4420	0.3802	0.3258	0.3668	0.2925	0.4215	0.3645
1971-74	OBS.	53	16	18	7	4	3	3	1	1
	EXP.		11.4	19.0	10.6	4.3	3.9	2.0	0.8	0.9
	OBS./EXP.		1.405	0.946	0.662	0.930	0.764	1.499	1.197	1.058
	RELATIVE RISK		1.000	0.673	0.471	0.662	0.544	1.067	0.852	0.753
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9180	0.7587	0.8168	0.4438	0.6115	0.6442	0.9106	0.7594	0.6349
1975-78	OBS.	60	13	21	12	3	4	3	2	2
	EXP.		13.2	20.9	11.8	4.9	4.6	2.4	1.0	1.1
	OBS./EXP.		0.982	1.005	1.019	0.613	0.863	1.247	1.965	1.750
	RELATIVE RISK		1.000	1.024	1.038	0.624	0.879	1.269	2.001	1.782
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4513	0.7650	0.5895	0.4071	0.4131	0.4025	0.5464	0.4377	0.3093

TABLE 12-26 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-26

NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	5	.2	0	1	0	0	2	0	0
	EXP.		1.0	2.0	1.2	0.3	0.2	0.1	0.0	0.1
	OBS./EXP. RELATIVE RISK		1.972 1.000	0.000 0.000	0.801 0.406	0.000 0.000	0.000 0.000	17.906 9.081	0.000 0.000	0.000 0.000
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.8038	0.8401	0.8162	0.1224	0.7743	0.7855	0.8481	0.4196	0.7974
									HOMO.	TREND.
									0.0000	0.0298
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0
	OBS./EXP. RELATIVE R									
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									X	X
1955-58	OBS. EXP.	1	0	0	0	0	0	1	0	0
			0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	44.026 X	0.000 X	0.000 X
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		X	X	X	0.2398	X	X	X	0.2398	X
									HOMO.	TREND.
									0.0000	0.0047
1959-62	OBS. EXP.	0	0	0	0	0	0	0	0	0
	OBS./EXP. RELATIVE R									
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									X	X
1963-66	OBS. EXP.	0	0	0	0	0	0	0	0	0
	OBS./EXP. RELATIVE R									
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		X	X	X	X	X	X	X	X	X
									HOMO.	TREND.
									X	X
1967-70	OBS. EXP.	1	1	0	0	0	0	0	0	0
			0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		4.933 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.9060	0.3183	0.7983	0.7824	0.7698	0.7774	0.9243	0.8155	0.7859
									HOMO.	TREND.
									0.7874	0.6556
1971-74	OBS. EXP.	1	0	0	1	0	0	0	0	0
			0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	4.010 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.2398	X	X	X	X	X	0.2398	X	X
									HOMO.	TREND.
									0.8841	0.5668
1975-78	OBS. EXP.	2	1	0	0	0	0	1	0	0
			0.4	0.8	0.5	0.1	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		2.471 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	22.530 9.120	0.000 0.000	0.000 0.000
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.9058	0.3187	0.7984	0.2523	0.7699	0.7775	0.9244	0.2784	0.7841
									HOMO.	TREND.
									0.0017	0.0662

TABLE 12-27 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-27

NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	27	2	10	3	2	5	1	3	1
TOTAL	EXP.		5.7	9.7	4.4	2.1	2.8	1.4	0.4	0.5
	OBS./EXP.		0.350	1.032	0.679	0.932	1.811	0.738	7.822	1.874
	RELATIVE RISK		1.000	2.944	1.937	2.659	5.167	2.105	22.321	5.347
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=EF?	A=GH?	HOMO.
	PROB.	0.0006	0.4088	0.1105	0.3016	0.0029	0.2634	0.3632	0.1472	0.0017
	TREND.									0.0044
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
	HOMO.									X
	TREND.									X
1955-58	OBS.	1	0	1	0	0	0	0	0	0
	EXP.		0.2	0.4	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	2.622	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	X	X	X	X	X
	HOMO.									0.9778
	TREND.									0.6823
1959-62	OBS.	2	0	1	0	0	0	0	1	0
	EXP.		0.4	0.7	0.3	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		0.000	1.392	0.000	0.000	0.000	0.000	35.138	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	X	X	0.2398	X	X	X	0.2398
	HOMO.									0.0000
	TREND.									0.0414
1963-66	OBS.	2	0	1	0	0	1	0	0	0
	EXP.		0.4	0.7	0.3	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		0.000	1.479	0.000	0.000	4.602	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	X	X	0.2398	X	X	X	X	0.2398	X
	HOMO.									0.7704
	TREND.									0.4002
1967-70	OBS.	5	0	3	1	0	1	0	0	0
	EXP.		1.1	1.8	0.8	0.4	0.5	0.3	0.1	0.1
	OBS./EXP.		0.000	1.695	1.219	0.000	1.928	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.2398	X	0.2398	X	X	X	0.2398	0.2398	X
	HOMO.									0.8625
	TREND.									0.6527
1971-74	OBS.	7	2	1	0	1	1	1	1	0
	EXP.		1.5	2.5	1.2	0.6	0.7	0.3	0.1	0.1
	OBS./EXP.		1.338	0.396	0.000	1.789	1.400	2.892	10.018	0.000
	RELATIVE RISK		1.000	0.293	0.000	1.317	1.031	2.128	7.374	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9019	0.3650	0.4554	0.3017	0.2556	0.7887	0.7941	0.3688	0.2779
	HOMO.									0.0932
	TREND.									0.0428
1975-78	OBS.	10	0	3	2	1	2	0	1	1
	EXP.		2.1	3.6	1.7	0.8	1.0	0.5	0.1	0.2
	OBS./EXP.		0.000	0.835	1.204	1.258	1.960	0.000	7.264	4.952
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3529	0.2398	0.2330	X	0.2398	0.2398	0.2696	0.3294	0.0506
	HOMO.									0.0901
	TREND.									0.0087

TABLE 12-28 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-28

NAGASAKI, MALE + FEMALE, AGE ATB 20-34

		T=65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H
1950-78	OBS. TOTAL	44	13 9.8	13 14.6	5 8.2	4 3.8	1 3.8	6 2.1	1 0.9	1 0.9
	OBS./EXP. RELATIVE RISK		1.324 1.000	0.893 0.874	0.613 0.463	1.064 0.803	0.266 0.201	2.821 2.131	1.073 0.810	1.119 0.845
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.8805	0.6636	0.9214	0.1972	0.6353	0.6016	0.8508	0.6166	0.6307
1950-54	OBS. EXP.	2	0 0.5	1 0.7	0 0.4	0 0.2	0 0.2	1 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.000 X	1.334 X	0.000 X	0.000 X	0.000 X	9.843 X	0.000 X	0.000 X
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		X	X	X	0.2398	X	X	X	0.2398	X
1955-58	OBS. EXP.	2	1 0.4	1 0.8	0 0.4	0 0.1	0 0.1	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		2.561 1.000	1.331 0.520	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.8945	0.8264	0.8244	0.7962	0.7785	0.7920	0.9186	0.8478	0.7978
1959-62	OBS. EXP.	4	1 0.8	3 1.4	0 0.8	0 0.3	0 0.3	0 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.179 1.000	2.149 1.823	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.8943	0.8265	0.8250	0.7966	0.7788	0.7812	0.9185	0.8486	0.7973
1963-66	OBS. EXP.	5	3 1.1	1 1.7	0 0.9	1 0.4	0 0.4	0 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		2.705 1.000	0.603 0.223	0.000 0.000	2.360 0.872	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.9212	0.6065	0.8700	0.8361	0.7978	0.7942	0.8727	0.9055	0.8243
1967-70	OBS. EXP.	6	1 1.3	1 2.0	2 1.1	0 0.5	0 0.5	1 0.3	1 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		0.771 1.000	0.490 0.636	1.741 2.257	0.000 0.000	0.000 0.000	3.608 4.678	8.164 10.585	0.000 0.000
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.3423	0.8276	0.8277	0.2697	0.2506	0.7771	0.3505	0.3358	0.2618
1971-74	OBS. EXP.	11	3 2.4	3 3.7	0 2.1	2 0.9	1 0.9	2 0.5	0 0.2	0 0.2
	OBS./EXP. RELATIVE RISK		1.252 1.000	0.805 0.843	0.000 0.000	2.162 1.727	1.084 0.866	3.938 3.145	0.000 0.000	0.000 0.000
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.9359	0.3652	0.6109	0.3739	0.7972	0.7768	0.7724	0.3980	0.8259
1975-78	OBS. EXP.	14	4 3.3	3 4.4	3 2.5	1 1.3	0 1.2	2 0.7	0 0.3	1 0.3
	OBS./EXP. RELATIVE RISK		1.209 1.000	0.888 0.569	1.224 1.012	0.762 0.631	0.000 0.000	2.822 2.335	0.000 0.000	3.474 2.874
	TEST PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.4385	0.7110	0.8241	0.4736	0.8077	0.2792	0.5948	0.6234	0.3548

TABLE 12-29 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-29

NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	147	29	60	37	8	6	1	2	4
TOTAL	EXP.		32.8	51.2	29.9	12.1	10.2	5.1	2.5	3.3
	OBS./EXP.		0.884	1.172	1.238	0.660	0.590	0.197	0.798	1.224
	RELATIVE RISK		1.000	1.326	1.400	0.747	0.667	0.223	0.903	1.384
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1600	0.7472	0.7902	0.9068	0.6135	0.4840	0.2905	0.8977	0.9026
1950-54	OBS.	9	1	5	2	1	0	0	0	0
	EXP.		1.9	3.2	1.9	0.7	0.6	0.3	0.2	0.2
	OBS./EXP.		0.526	1.544	1.056	1.417	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	2.947	2.016	2.704	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3515	0.2861	0.8185	0.7909	0.7786	0.7836	0.3795	0.8393	0.9019
1955-58	OBS.	14	2	6	6	0	0	0	0	0
	EXP.		2.9	5.1	3.0	1.1	0.9	0.5	0.2	0.3
	OBS./EXP.		0.683	1.174	2.021	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.719	2.960	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2193	0.8519	0.8413	0.8035	0.7866	0.7923	0.3450	0.8662	0.8136
1959-62	OBS.	18	3	8	5	1	1	0	0	0
	EXP.		4.0	6.3	3.6	1.5	1.3	0.6	0.3	0.4
	OBS./EXP.		0.755	1.275	1.390	0.651	0.780	0.000	0.000	0.000
	RELATIVE RISK		1.000	1.689	1.843	0.863	1.034	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3774	0.6254	0.5450	0.8170	0.7922	0.7997	0.4841	0.6916	0.8243
1963-66	OBS.	23	2	9	7	2	1	0	0	2
	EXP.		3.4	7.7	4.4	2.0	1.7	0.8	0.4	0.5
	OBS./EXP.		0.572	1.171	1.580	0.980	0.587	0.000	0.000	3.781
	RELATIVE RISK		1.000	3.143	4.241	2.631	1.577	0.000	0.000	10.150
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1447	0.4079	0.3302	0.8041	0.7819	0.1025	0.1542	0.4240	0.2233
1967-70	OBS.	33	7	11	8	2	2	1	1	1
	EXP.		7.8	11.0	6.5	2.8	2.4	1.2	0.6	0.7
	OBS./EXP.		0.897	0.997	1.233	0.710	0.848	0.836	1.761	1.344
	RELATIVE RISK		1.000	1.112	1.375	0.791	0.945	0.932	1.962	1.497
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4496	0.6545	0.5805	0.5766	0.3110	0.3418	0.4395	0.5822	0.3795
1971-74	OBS.	21	6	9	4	1	0	0	0	1
	EXP.		4.9	7.2	4.3	1.7	1.5	0.7	0.4	0.4
	OBS./EXP.		1.227	1.254	0.935	0.598	0.000	0.000	0.000	2.310
	RELATIVE RISK		1.000	1.022	0.762	0.687	0.000	0.000	0.000	1.882
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6652	0.7664	0.8948	0.8453	0.8088	0.3136	0.7352	0.9263	0.4472
1975-78	OBS.	29	8	12	5	1	2	0	1	0
	EXP.		6.4	10.3	6.1	2.3	1.9	1.0	0.5	0.6
	OBS./EXP.		1.244	1.170	0.818	0.439	1.035	0.000	2.154	0.000
	RELATIVE RISK		1.000	0.941	0.658	0.353	0.832	0.000	1.731	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7042	0.8393	0.6433	0.8620	0.3285	0.8250	0.7259	0.7758	0.6417

TABLE 12-30 MALIGNANT NEOPLASMS OF STOMACH

TABLE 12-30

NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR CLASS	TOTAL	T-65 TOTAL OOS IN RAD							
		0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 OBS. TOTAL EXP.	88	15 17.3	36 33.4	22 21.2	6 8.6	5 4.9	0 2.3	0 0.9	6 1.3
OBS./EXP. RELATIVE RISK		0.867 1.000	1.019 1.174	1.037 1.195	0.905 1.043	1.019 1.175	0.000 0.000	0.000 0.000	4.528 5.220
TEST PROB.	A=C? 0.4417	A=D? 0.4507	A=E? 0.4253	A=F? 0.8559	A=G? 0.3324	A=H? 0.0075	A=CD? 0.4564	A=EF? 0.6753	A=GH? 0.0676
									HOHQ. 0.0051
									TREND. 0.0378
1950-54 OBS. TOTAL EXP.	20	1 4.0	3 7.6	7 4.9	2 1.4	4 1.0	0 0.5	0 0.2	3 0.3
OBS./EXP. RELATIVE RISK		0.251 1.000	0.394 1.572	1.414 5.638	1.396 5.565	3.812 15.193	0.000 0.000	0.000 0.000	9.831 39.184
TEST PROB.	A=C? 0.1798	A=D? 0.3243	A=E? 0.0318	A=F? 0.7872	A=G? 0.7715	A=H? 0.0009	A=CD? 0.1579	A=EF? 0.0757	A=GH? 0.0107
									HOHQ. 0.0000
									TREND. 0.0000
1955-58 OBS. TOTAL EXP.	26	6 4.7	12 9.1	3 5.9	1 1.8	0 1.3	0 0.6	0 0.2	2 0.4
OBS./EXP. RELATIVE RISK		1.289 1.000	1.314 1.019	0.506 0.393	0.559 0.434	0.000 0.000	0.000 0.000	0.000 0.000	5.590 4.336
TEST PROB.	A=C? 0.8816	A=D? 0.7897	A=E? 0.8870	A=F? 0.8370	A=G? 0.7929	A=H? 0.2274	A=CD? 0.8984	A=EF? 0.9174	A=GH? 0.3939
									HOHQ. 0.0769
									TREND. 0.2433
1959-62 OBS. TOTAL EXP.	6	0 1.2	2 2.3	3 1.4	1 0.5	0 0.3	0 0.2	0 0.1	0 0.1
OBS./EXP. RELATIVE RISK		0.000 X	0.886 X	2.073 X	2.088 X	0.000 X	0.000 X	0.000 X	0.000 X
TEST PROB.	A=C? 0.3297	A=D? 0.2398	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? 0.2771	A=EF? X	A=GH? X
									HOHQ. 0.7688
									TREND. 0.6894
1963-66 OBS. TOTAL EXP.	13	3 2.7	6 4.6	2 3.1	1 1.0	0 0.8	0 0.4	0 0.2	1 0.2
OBS./EXP. RELATIVE RISK		1.106 1.000	1.293 1.170	0.646 0.584	1.012 0.916	0.000 0.000	0.000 0.000	0.000 0.000	4.036 3.651
TEST PROB.	A=C? 0.7553	A=D? 0.5590	A=E? 0.8494	A=F? 0.8108	A=G? 0.7862	A=H? 0.2753	A=CD? 0.7234	A=EF? 0.8766	A=GH? 0.3048
									HOHQ. 0.7283
									TREND. 0.4639
1967-70 OBS. TOTAL EXP.	7	0 1.4	3 2.6	3 1.6	1 0.5	0 0.4	0 0.2	0 0.1	0 0.1
OBS./EXP. RELATIVE RISK		0.000 X	1.156 X	1.836 X	1.945 X	0.000 X	0.000 X	0.000 X	0.000 X
TEST PROB.	A=C? 0.2542	A=D? 0.2398	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? 0.2375	A=EF? X	A=GH? X
									HOHQ. 0.7855
									TREND. 0.7128
1971-74 OBS. TOTAL EXP.	13	5 2.4	5 5.2	2 2.8	0 1.1	1 0.8	0 0.4	0 0.1	0 0.1
OBS./EXP. RELATIVE RISK		2.058 1.000	0.957 0.465	0.710 0.345	0.000 0.000	1.287 0.616	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	A=C? 0.8861	A=D? 0.9130	A=E? 0.7174	A=F? 0.8385	A=G? 0.7958	A=H? 0.7934	A=CD? 0.9391	A=EF? 0.8064	A=GH? 0.8213
									HOHQ. 0.6855
									TREND. 0.8307
1975-78 OBS. TOTAL EXP.	5	0 1.0	3 1.9	2 1.1	0 0.4	0 0.4	0 0.2	0 0.1	0 0.1
OBS./EXP. RELATIVE RISK		0.000 X	1.582 X	1.895 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X
TEST PROB.	A=C? 0.4212	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? 0.3681	A=EF? X	A=GH? X
									HOHQ. 0.8211
									TREND. 0.8040

TABLE 13-1 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-1

MIYOSHIKAWA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	157	63	40	27	8	7	5	1	6
	EXP.		65.1	43.1	29.9	8.4	5.7	2.3	1.0	1.5
	OBS./EXP. RELATIVE RISK		0.967 1.000	0.929	0.905 0.950	0.948 0.996	1.224 1.286	2.200 2.312	0.961 1.010	4.104 4.312
	TEST PROB.	AB=C? 0.6028	AB=D? 0.3333	AB=E? 0.3852	AB=F? 0.1517	AB=G? 0.4721	AB=H? 0.0083	AB=CD? 0.5920	AB=E-H? 0.0364	AB=FGH? 0.0153
									MONO. 0.0104	TREND. 0.0001
1950-54	OBS. EXP.	11	4	4	3	0	0	0	0	0
			4.7	3.0	2.1	0.6	0.4	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.856 1.000	1.323	1.436 1.382	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4017	AB=D? 0.8197	AB=E? 0.5018	AB=F? 0.7780	AB=G? 0.7689	AB=H? 0.7735	AB=CD? 0.4256	AB=E-H? 0.8295	AB=FGH? 0.7968
									MONO. 0.9583	TREND. 0.7839
1955-58	OBS. EXP.	10	7	1	1	1	0	0	0	0
			4.3	2.6	1.9	0.5	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.621 1.000	0.380	0.516 0.449	1.390 1.642	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7874	AB=D? 0.3306	AB=E? 0.8023	AB=F? 0.7782	AB=G? 0.7681	AB=H? 0.7726	AB=CD? 0.6962	AB=E-H? 0.8287	AB=FGH? 0.7954
									MONO. 0.7560	TREND. 0.7342
1959-62	OBS. EXP.	10	3	3	2	1	1	0	0	0
			4.5	2.6	1.8	0.5	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.670 1.000	1.158	1.091 1.286	1.929 2.273	3.050 3.595	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3824	AB=D? 0.3000	AB=E? 0.2737	AB=F? 0.7714	AB=G? 0.7659	AB=H? 0.7687	AB=CD? 0.4063	AB=E-H? 0.3053	AB=FGH? 0.7842
									MONO. 0.9157	TREND. 0.4704
1963-66	OBS. EXP.	25	11	4	6	1	2	0	0	1
			11.0	4.6	4.9	1.3	0.8	0.3	0.1	0.2
	OBS./EXP. RELATIVE RISK		1.003 1.000	0.621	1.235 1.433	0.779 0.905	2.532 2.962	0.000 0.000	0.000 0.000	4.967 5.766
	TEST PROB.	AB=C? 0.3818	AB=D? 0.5903	AB=E? 0.2767	AB=F? 0.7857	AB=G? 0.7723	AB=H? 0.2571	AB=CD? 0.4316	AB=E-H? 0.2219	AB=FGH? 0.3075
									MONO. 0.4316	TREND. 0.0781
1967-70	OBS. EXP.	24	11	6	2	1	0	2	0	2
			9.6	6.7	4.7	1.3	0.9	0.4	0.2	0.2
	OBS./EXP. RELATIVE RISK		1.145 1.000	0.890	0.429 0.612	0.762 0.732	0.000 0.000	5.200 4.999	0.000 0.000	9.481 9.114
	TEST PROB.	AB=C? 0.8506	AB=D? 0.8413	AB=E? 0.8364	AB=F? 0.1614	AB=G? 0.7753	AB=H? 0.0346	AB=CD? 0.8374	AB=E-H? 0.2037	AB=FGH? 0.0248
									MONO. 0.0008	TREND. 0.0004
1971-74	OBS. EXP.	37	11	13	9	3	1	0	0	0
			14.8	10.6	7.1	2.0	1.4	0.6	0.2	0.3
	OBS./EXP. RELATIVE RISK		0.744 1.000	1.230	1.276 1.348	1.499 1.585	0.712 0.752	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3669	AB=D? 0.4533	AB=E? 0.4544	AB=F? 0.8192	AB=G? 0.7877	AB=H? 0.7929	AB=CD? 0.3051	AB=E-H? 0.8023	AB=FGH? 0.8563
									MONO. 0.7909	TREND. 0.7986
1975-78	OBS. EXP.	40	16	9	4	1	3	3	1	3
			16.4	11.1	7.4	2.2	1.6	0.6	0.3	0.4
	OBS./EXP. RELATIVE RISK		0.976 1.000	0.812	0.539 0.592	0.452 0.497	1.889 2.076	4.924 5.413	3.195 3.511	7.921 8.705
	TEST PROB.	AB=C? 0.8095	AB=D? 0.7684	AB=E? 0.3420	AB=F? 0.0509	AB=G? 0.2753	AB=H? 0.0114	AB=CD? 0.8402	AB=E-H? 0.0069	AB=FGH? 0.0015
									MONO. 0.0000	TREND. 0.0000

TABLE 13-2 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-63 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO, X	TREND, X
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO, X	TREND, X
1955-58	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO, X	TREND, X
1959-62	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO, X	TREND, X
1963-66	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO, X	TREND, X
1967-70	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO, X	TREND, X
1971-74	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO, X	TREND, X
1975-78	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO, X	TREND, X

TABLE 13-3 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE 15-19

YEAR	CLASS	T-45 TOTAL DOSE IN RAD									
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H	
1950-78 TOTAL	OBS. EXP.	8	1 3.1	1 2.5	0 1.2	1 0.4	1 0.4	2 0.2	1 0.1	1 0.1	
	OBS./EXP. RELATIVE RISK		0.319 1.000	0.401	0.000 0.000	2.665 7.497	2.609 7.340	11.355 31.942	12.640 35.557	9.086 25.560	
	TEST PROB.	AB=C? 0.8111	AB=D? 0.2536	AB=E? 0.2487	AB=F? 0.0068	AB=G? 0.2419	AB=H? 0.2432	AB=I? 0.3196	AB=J? 0.0004	HOMO. 0.0000	TREND. 0.0000
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0	
	OBS./EXP. RELATIVE R										
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=J? X	HOMO. X	TREND. X
1955-58	OBS. EXP.	0	0	0	0	0	0	0	0	0	
	OBS./EXP. RELATIVE R										
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=J? X	HOMO. X	TREND. X
1959-62	OBS. EXP.	0	0	0	0	0	0	0	0	0	
	OBS./EXP. RELATIVE R										
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=J? X	HOMO. X	TREND. X
1963-66	OBS. EXP.	1	0 0.5	0 0.2	0 0.2	0 0.0	1 0.0	0 0.0	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000	0.000 X	0.000 X	0.000 X	30.013 X	0.000 X	0.000 X	0.000 X	
	TEST PROB.	AB=C? X	AB=D? X	AB=E? 0.2398	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=J? 0.2398	HOMO. 0.0001	TREND. 0.0357
1967-70	OBS. EXP.	1	0 0.2	0 0.3	0 0.2	0 0.1	0 0.1	1 0.1	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000	0.000 X	0.000 X	0.000 X	0.000 X	17.758 X	0.000 X	0.000 X	
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? 0.2398	AB=G? X	AB=H? X	AB=I? X	AB=J? 0.2398	HOMO. 0.0190	TREND. 0.1054
1971-74	OBS. EXP.	2	0 0.6	1 0.7	0 0.3	1 0.1	0 0.1	0 0.1	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.439	0.000 0.000	9.110 12.242	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C? 0.7961	AB=D? 0.2472	AB=E? 0.7680	AB=F? 0.7638	AB=G? 0.7624	AB=H? 0.7638	AB=I? 0.2778	AB=J? 0.7765	HOMO. 0.7692	TREND. 0.2760
1975-78	OBS. EXP.	4	1 1.8	0 1.2	0 0.6	0 0.1	0 0.1	1 0.0	1 0.0	1 0.0	
	OBS./EXP. RELATIVE RISK		0.554 1.000	0.000	0.000 0.000	0.000 0.000	0.000 0.000	20.243 61.003	31.368 94.527	21.986 66.254	
	TEST PROB.	AB=C? 0.7962	AB=D? 0.7691	AB=E? 0.7680	AB=F? 0.2415	AB=G? 0.2408	AB=H? 0.2413	AB=I? 0.8031	AB=J? 0.0020	HOMO. 0.0000	TREND. 0.0000

TABLE 13-4 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	Y=65 TOTAL DOSE IN RAO								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H
1950-78	OBS.	19	6	6	4	1	0	1	0	1
TOTAL	EXP.		7.3	5.5	3.4	1.1	0.8	0.4	0.2	0.3
	OBS./EXP.		0.818	1.100	1.174	0.911	0.000	2.428	0.000	3.977
	RELATIVE RISK		1.000		1.251	0.971	0.000	2.587	0.000	4.238
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4158	0.5932	0.8467	0.3010	0.7872	0.2710	0.4225	0.4009	0.4582
									0.7163	0.1530
1950-54	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		2.240	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8085	0.7760	0.7688	0.7636	0.7623	0.7636	0.8199	0.7769	0.7688
									0.9900	0.6125
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	2	0	1	1	0	0	0	0	0
	EXP.		0.9	0.5	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	1.929	2.714	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		3.832	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2716	0.7760	0.7688	0.7636	0.7623	0.7635	0.2823	0.7768	0.7687
									0.9160	0.6122
1963-66	OBS.	2	1	0	0	0	0	0	0	1
	EXP.		0.9	0.5	0.3	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.123	0.000	0.000	0.000	0.000	0.000	0.000	46.021
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	66.151
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8023	0.7715	0.7697	0.7650	0.7626	0.2614	0.8107	0.2696	0.2666
									0.0000	0.0000
1967-70	OBS.	3	1	0	1	1	0	0	0	0
	EXP.		1.1	0.9	0.6	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.921	0.000	1.605	4.035	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		3.625	12.117	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2744	0.2468	0.7699	0.7649	0.7627	0.7637	0.3231	0.7796	0.7706
									0.5668	0.4944
1971-74	OBS.	4	0	3	1	0	0	0	0	0
	EXP.		1.3	1.2	0.7	0.3	0.2	0.1	0.1	0.1
	OBS./EXP.		0.000	2.439	1.455	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.243	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3806	0.8083	0.8078	0.7889	0.7739	0.7730	0.5974	0.8435	0.8095
									0.6793	0.7170
1975-78	OBS.	7	3	2	1	0	0	1	0	0
	EXP.		2.7	2.0	1.3	0.4	0.3	0.2	0.1	0.1
	OBS./EXP.		1.116	1.007	0.791	0.000	0.000	4.420	0.000	0.000
	RELATIVE RISK		1.000		0.739	0.000	0.000	6.187	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6680	0.8180	0.8109	0.2595	0.7753	0.7755	0.7447	0.3573	0.2868
									0.5653	0.4268

TABLE 13-5 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE 173 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	A	B	C	D	E	F	G	H
1950-78	OBS.	69	26	19	11	4	4	1	0	4
TOTAL	EXP.		29.4	18.1	13.2	3.6	2.6	0.9	0.4	0.7
	OBS./EXP.		0.885	1.049	0.832	1.114	1.511	1.066	0.000	5.924
	RELATIVE RISK		1.000		0.878	1.176	1.595	1.125	0.000	6.253
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6514	0.4223	0.3710	0.4039	0.8009	0.0091	0.5873	0.1203	0.1187
									0.0101	0.0011
1950-54	OBS.	3	0	2	1	0	0	0	0	0
	EXP.		1.1	0.9	0.6	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	2.241	1.548	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.528	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3392	0.7869	0.7807	0.7711	0.7651	0.7672	0.3831	0.7992	0.7817
									0.8682	0.6277
1955-58	OBS.	5	3	0	1	1	0	0	0	0
	EXP.		2.2	1.3	0.9	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		1.333	0.000	1.066	4.064	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.246	4.751	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3804	0.2644	0.7812	0.7673	0.7637	0.7660	0.3744	0.7949	0.7760
									0.7626	0.5639
1959-62	OBS.	4	1	0	1	1	1	0	0	0
	EXP.		1.8	1.0	0.7	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		0.558	0.000	1.364	5.193	6.682	0.000	0.000	0.000
	RELATIVE RISK		1.000		3.846	14.641	18.840	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2701	0.2477	0.2460	0.7638	0.7618	0.7634	0.2981	0.2505	0.7684
									0.2003	0.1793
1963-66	OBS.	10	6	2	2	0	0	0	0	0
	EXP.		4.5	2.5	1.9	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		1.330	0.800	1.027	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.896	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5988	0.8177	0.9003	0.7754	0.7675	0.7709	0.6898	0.8241	0.7911
									0.9765	0.7831
1967-70	OBS.	12	5	5	0	0	0	0	0	2
	EXP.		5.4	5.0	2.3	0.6	0.4	0.1	0.1	0.1
	OBS./EXP.		0.926	1.000	0.000	0.000	0.000	0.000	0.000	20.647
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	17.342
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9215	0.8256	0.8110	0.7784	0.7682	0.0073	0.9385	0.4131	0.1320
									0.0000	0.0001
1971-74	OBS.	14	3	3	5	2	1	0	0	0
	EXP.		5.7	3.9	2.7	0.7	0.6	0.2	0.1	0.1
	OBS./EXP.		0.524	0.766	1.848	2.897	1.796	0.000	0.000	0.000
	RELATIVE RISK		1.000		2.968	4.654	2.886	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1560	0.2047	0.2828	0.7785	0.7670	0.7715	0.0865	0.3258	0.7921
									0.4572	0.4184
1975-78	OBS.	21	8	7	1	0	2	1	0	2
	EXP.		8.6	5.6	3.9	1.2	0.9	0.3	0.2	0.2
	OBS./EXP.		0.925	1.252	0.254	0.000	2.124	3.006	0.000	9.908
	RELATIVE RISK		1.000		0.241	0.000	2.016	2.854	0.000	9.405
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8959	0.8595	0.4352	0.2784	0.7778	0.0470	0.9305	0.1097	0.0961
									0.0020	0.0005

TABLE 13-6 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	61	30	14	12	2	2	1	0	0
	EXP.		25.3	12.0	12.0	3.4	1.8	0.7	0.3	0.4
	OBS./EXP. RELATIVE RISK		1.186 1.000	0.824	1.002 0.963	0.592 0.569	1.082 1.040	1.341 1.289	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5579	AB=D? 0.7661	AB=E? 0.4219	AB=F? 0.3647	AB=G? 0.7930	AB=H? 0.8023	AB=I? 0.6544	AB=J? 0.6022	AB=K? 0.6951
										TREND, 0.7759
1950-54	OBS. TOTAL	7	3	2	2	0	0	0	0	0
	EXP.		3.1	1.9	1.3	0.3	0.2	0.1	0.0	0.1
	OBS./EXP. RELATIVE RISK		0.954 1.000	1.069	1.589 1.595	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3716	AB=D? 0.7996	AB=E? 0.7864	AB=F? 0.7691	AB=G? 0.7644	AB=H? 0.7674	AB=I? 0.3867	AB=J? 0.8027	AB=K? 0.7796
										TREND, 0.7288
1955-58	OBS. TOTAL	5	4	1	0	0	0	0	0	0
	EXP.		2.1	1.4	1.0	0.3	0.2	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.925 1.000	0.733	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8807	AB=D? 0.8078	AB=E? 0.7895	AB=F? 0.7738	AB=G? 0.7656	AB=H? 0.7689	AB=I? 0.6998	AB=J? 0.8104	AB=K? 0.7861
										TREND, 0.7971
1959-62	OBS. TOTAL	4	2	2	0	0	0	0	0	0
	EXP.		1.8	1.0	0.7	0.2	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.113 1.000	1.916	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8576	AB=D? 0.7974	AB=E? 0.7823	AB=F? 0.7681	AB=G? 0.7641	AB=H? 0.7634	AB=I? 0.8762	AB=J? 0.7963	AB=K? 0.7763
										TREND, 0.9564
1963-66	OBS. TOTAL	12	4	2	4	1	1	0	0	0
	EXP.		3.1	3.2	2.4	0.7	0.4	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.783 1.000	0.629	1.676 2.314	1.538 2.124	2.787 3.848	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2564	AB=D? 0.3035	AB=E? 0.2627	AB=F? 0.7710	AB=G? 0.7647	AB=H? 0.7656	AB=I? 0.2454	AB=J? 0.2846	AB=K? 0.7799
										TREND, 0.8419
1967-70	OBS. TOTAL	8	5	1	1	0	0	1	0	0
	EXP.		2.9	2.5	1.6	0.5	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.725 1.000	0.404	0.613 0.549	0.000 0.000	0.000 0.000	7.672 6.874	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7354	AB=D? 0.8161	AB=E? 0.7976	AB=F? 0.2573	AB=G? 0.7677	AB=H? 0.7689	AB=I? 0.7906	AB=J? 0.3238	AB=K? 0.2734
										TREND, 0.2192
1971-74	OBS. TOTAL	17	8	6	3	0	0	0	0	0
	EXP.		7.1	4.7	3.4	0.9	0.5	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.129 1.000	1.268	0.895 0.755	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6863	AB=D? 0.8538	AB=E? 0.8193	AB=F? 0.7904	AB=G? 0.7721	AB=H? 0.7743	AB=I? 0.7806	AB=J? 0.8523	AB=K? 0.9104
										TREND, 0.9370
1975-78	OBS. TOTAL	8	4	0	2	1	1	0	0	0
	EXP.		3.3	2.3	1.6	0.4	0.2	0.1	0.1	0.0
	OBS./EXP. RELATIVE RISK		1.229 1.000	0.000	1.234 1.713	2.241 3.110	4.666 6.476	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3701	AB=D? 0.2274	AB=E? 0.2547	AB=F? 0.7664	AB=G? 0.7647	AB=H? 0.7634	AB=I? 0.4219	AB=J? 0.2676	AB=K? 0.7734
										TREND, 0.5022

TABLE 13-7 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	1-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-19	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	77	29	20	13	5	5	2	1	2
TOTAL	EXP.	31.7	21.4	13.9	6.1	3.3	1.2	0.5	0.9	
	OBS./EXP.	0.915	0.934	0.939	1.216	1.528	1.627	1.825	2.265	
	RELATIVE RISK	1.000		1.017	1.317	1.656	1.764	1.978	2.454	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4710	0.4818	0.3121	0.3963	0.3145	0.3815	0.4794	0.1445	0.2154
										0.2989
										0.0300
1950-54	OBS.	6	3	1	2	0	0	0	0	0
	EXP.	2.7	1.6	1.1	0.3	0.2	0.1	0.0	0.0	0.1
	OBS./EXP.	1.121	0.618	1.871	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		2.009	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3871	0.7933	0.7840	0.7680	0.7640	0.7668	0.3686	0.7989	0.7776
										0.9736
										0.6940
1955-58	OBS.	5	3	1	0	1	0	0	0	0
	EXP.	2.0	1.6	1.0	0.3	0.2	0.1	0.0	0.0	0.1
	OBS./EXP.	1.499	0.714	0.000	3.710	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.000	3.155	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.8674	0.2797	0.7927	0.7741	0.7659	0.7705	0.6229	0.8150	0.7881
										0.7860
										0.6541
1959-62	OBS.	6	2	2	1	0	1	0	0	0
	EXP.	2.7	1.6	1.1	0.3	0.2	0.1	0.0	0.0	0.1
	OBS./EXP.	0.751	1.262	0.936	0.000	0.000	4.512	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.995	0.000	0.000	4.793	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.5232	0.7967	0.2642	0.7687	0.7643	0.7667	0.6509	0.2841	0.7784
										0.8378
										0.6721
1963-66	OBS.	9	4	1	3	1	0	0	0	0
	EXP.	3.5	2.5	1.7	0.5	0.4	0.1	0.1	0.1	0.1
	OBS./EXP.	1.129	0.393	1.744	2.012	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		2.126	2.450	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3513	0.2905	0.7903	0.7715	0.7652	0.7688	0.3030	0.8095	0.7837
										0.8694
										0.6936
1967-70	OBS.	9	5	3	1	0	0	0	0	0
	EXP.	3.8	2.5	1.7	0.5	0.4	0.1	0.0	0.0	0.1
	OBS./EXP.	1.326	1.219	0.598	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.485	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7776	0.8190	0.8126	0.7817	0.7681	0.7751	0.8255	0.8410	0.8006
										0.9645
										0.8098
1971-74	OBS.	20	5	4	5	3	1	0	0	0
	EXP.	8.2	5.5	3.6	1.1	0.9	0.3	0.1	0.1	0.2
	OBS./EXP.	0.609	1.387	1.386	2.809	1.138	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		1.731	3.507	1.421	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3250	0.1802	0.3335	0.7985	0.7775	0.7818	0.1668	0.6582	0.8263
										0.5273
										0.6001
1975-78	OBS.	22	7	6	1	0	3	2	1	2
	EXP.	8.8	6.2	3.9	1.3	1.0	0.4	0.2	0.2	0.2
	OBS./EXP.	0.797	0.966	0.257	0.000	2.921	5.111	4.997	8.253	
	RELATIVE RISK	1.000		0.297	0.000	3.369	5.895	5.763	9.517	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.8660	0.8577	0.1822	0.1324	0.2605	0.0587	0.9103	0.0050	0.0051
										0.0001
										0.0000

TABLE 13-8 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	Y-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H
1950-78	OBS. TOTAL	80	34	20	14	3	2	3	0	4
	EXP.		33.5	21.7	16.0	4.3	2.6	1.0	0.5	0.6
	OBS./EXP. RELATIVE RISK		1.016 1.000	0.924	0.875 0.893	0.691 0.707	0.817 0.834	2.876 2.935	0.000 0.000	6.910 7.052
	TEST PROB.	AB=C? 0.6484	AB=D? 0.7071	AB=E? 0.6035	AB=F? 0.1809	AB=G? 0.8040	AB=H? 0.0034	AB=I? 0.6921	AB=E+H? 0.1009	AB=FGH? HQMO, 0.0201 0.0007
										TREND, 0.0002
1950-54	OBS. EXP.	5	1	3	1	0	0	0	0	0
			2.0	1.4	1.0	0.3	0.2	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.501 1.000	2.138	0.981 0.834	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6259	AB=D? 0.7993	AB=E? 0.7859	AB=F? 0.7730	AB=G? 0.7663	AB=H? 0.7689	AB=I? 0.6959	AB=E+H? 0.8074	AB=FGH? HQMO, 0.7861 0.8894
										TREND, 0.7142
1955-58	OBS. EXP.	5	4	0	1	0	0	0	0	0
			2.3	1.2	1.0	0.3	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.726 1.000	0.000	1.019 0.904	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5913	AB=D? 0.7955	AB=E? 0.7767	AB=F? 0.7668	AB=G? 0.7634	AB=H? 0.7636	AB=I? 0.6725	AB=E+H? 0.7881	AB=FGH? HQMO, 0.7730 0.8919
										TREND, 0.6708
1959-62	OBS. EXP.	4	1	1	1	1	0	0	0	0
			1.3	1.0	0.8	0.2	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.551 1.000	0.994	1.307 1.845	4.731 6.676	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3136	AB=D? 0.2571	AB=E? 0.7710	AB=F? 0.7647	AB=G? 0.7627	AB=H? 0.7637	AB=I? 0.4469	AB=E+H? 0.7803	AB=FGH? HQMO, 0.7703 0.8264
										TREND, 0.5204
1963-66	OBS. EXP.	16	7	3	3	0	2	0	0	1
			7.4	3.9	3.1	0.8	0.4	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.943 1.000	0.770	0.956 1.082	0.000 0.000	4.911 5.561	0.000 0.000	0.000 0.000	10.747 12.170
	TEST PROB.	AB=C? 0.4334	AB=D? 0.8269	AB=E? 0.1461	AB=F? 0.7772	AB=G? 0.7684	AB=H? 0.2493	AB=I? 0.6264	AB=E+H? 0.0996	AB=FGH? HQMO, 0.2775 0.0219
										TREND, 0.0043
1967-70	OBS. EXP.	15	6	3	1	1	0	2	0	2
			5.8	4.3	3.0	0.9	0.6	0.3	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.029 1.000	0.701	0.334 0.375	1.163 1.307	0.000 0.000	7.866 8.838	0.000 0.000	17.095 19.206
	TEST PROB.	AB=C? 0.8195	AB=D? 0.3443	AB=E? 0.7987	AB=F? 0.0630	AB=G? 0.7688	AB=H? 0.0010	AB=I? 0.7488	AB=E+H? 0.0495	AB=FGH? HQMO, 0.0021 0.0000
										TREND, 0.0000
1971-74	OBS. EXP.	17	6	7	4	0	0	0	0	0
			6.6	5.1	3.4	0.9	0.5	0.3	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.912 1.000	1.385	1.160 1.038	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4532	AB=D? 0.8479	AB=E? 0.8179	AB=F? 0.7911	AB=G? 0.7736	AB=H? 0.7752	AB=I? 0.6586	AB=E+H? 0.8536	AB=FGH? HQMO, 0.8128 0.9011
										TREND, 0.8345
1975-78	OBS. EXP.	18	9	3	3	1	0	1	0	1
			7.6	4.9	3.5	1.0	0.6	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.182 1.000	0.616	0.848 0.882	1.052 1.094	0.000 0.000	4.592 4.777	0.000 0.000	7.331 7.826
	TEST PROB.	AB=C? 0.6200	AB=D? 0.4195	AB=E? 0.3150	AB=F? 0.2664	AB=G? 0.7730	AB=H? 0.2544	AB=I? 0.5051	AB=E+H? 0.4322	AB=FGH? HQMO, 0.1933 0.1874
										TREND, 0.0228

TABLE 13-9 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-9

MIYOSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	133	61 60.2	29 34.3	22 24.7	6 6.5	6 4.1	3 1.4	1 0.7	5 1.0		
	OBS./EXP. RELATIVE RISK		1.013 1.000	0.846 0.934	0.890 0.934	0.916 0.962	1.469 1.542	2.083 2.186	1.452 1.524	4.845 5.087		
	TEST PROB.	AB=C? 0.6144	AB=D? 0.5655	AB=E? 0.2928	AB=F? 0.2729	AB=G? 0.3353	AB=H? 0.0064	AB=CD? 0.6130	AB=E-H? 0.0281	AB=FGH? 0.0161	HOMO. 0.0076	TREND. 0.0000
1950-54	OBS. EXP.	10	4 4.5	3 2.6	3 1.8	0 0.5	0 0.3	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.890 1.000	1.150 1.000	1.624 1.648	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.4463	AB=D? 0.3118	AB=E? 0.7938	AB=F? 0.7724	AB=G? 0.7665	AB=H? 0.7700	AB=CD? 0.3979	AB=E-H? 0.8150	AB=FGH? 0.7868	HOMO. 0.9662	TREND. 0.7476
1955-58	OBS. EXP.	9	7 4.1	0 2.3	1 1.7	1 0.5	0 0.3	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		1.707 1.000	0.000 0.000	0.590 0.538	2.210 2.015	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.7453	AB=D? 0.3072	AB=E? 0.7922	AB=F? 0.7721	AB=G? 0.7660	AB=H? 0.7684	AB=CD? 0.6234	AB=E-H? 0.8119	AB=FGH? 0.7846	HOMO. 0.5688	TREND. 0.6929
1959-62	OBS. EXP.	10	3 4.5	3 2.6	2 1.8	1 0.5	1 0.3	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.670 1.000	1.158 1.000	1.091 1.286	1.929 2.273	3.050 3.595	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3824	AB=D? 0.3000	AB=E? 0.2737	AB=F? 0.7714	AB=G? 0.7659	AB=H? 0.7687	AB=CD? 0.4063	AB=E-H? 0.3053	AB=FGH? 0.7842	HOMO. 0.9157	TREND. 0.4455
1963-66	OBS. EXP.	23	11 10.5	4 5.8	5 4.4	0 1.1	2 0.7	0 0.3	0 0.1	1 0.2		
	OBS./EXP. RELATIVE RISK		1.044 1.000	0.695 0.000	1.140 1.238	0.000 0.000	3.029 3.290	0.000 0.000	0.000 0.000	6.299 6.841		
	TEST PROB.	AB=C? 0.4329	AB=D? 0.8482	AB=E? 0.2767	AB=F? 0.7857	AB=G? 0.7723	AB=H? 0.2571	AB=CD? 0.5412	AB=E-H? 0.2219	AB=FGH? 0.3025	HOMO. 0.2294	TREND. 0.0490
1967-70	OBS. EXP.	19	10 8.6	5 4.8	1 3.6	1 0.9	0 0.6	0 0.2	0 0.1	2 0.1		
	OBS./EXP. RELATIVE RISK		1.158 1.000	1.043 1.000	0.277 0.248	1.076 0.963	0.000 0.000	0.000 0.000	0.000 0.000	13.848 12.395		
	TEST PROB.	AB=C? 0.8895	AB=D? 0.5376	AB=E? 0.8228	AB=F? 0.7856	AB=G? 0.7714	AB=H? 0.0188	AB=CD? 0.8589	AB=E-H? 0.3919	AB=FGH? 0.2122	HOMO. 0.0004	TREND. 0.0017
1971-74	OBS. EXP.	29	10 13.2	9 7.5	7 5.6	2 1.4	1 0.9	0 0.3	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		0.757 1.000	1.198 1.000	1.295 1.412	1.453 1.585	1.170 1.276	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3671	AB=D? 0.3838	AB=E? 0.3538	AB=F? 0.7291	AB=G? 0.7732	AB=H? 0.7788	AB=CD? 0.3194	AB=E-H? 0.6460	AB=FGH? 0.8139	HOMO. 0.9274	TREND. 0.6696
1975-78	OBS. EXP.	33	16 14.8	5 6.7	3 6.1	1 1.6	2 1.0	3 0.3	1 0.2	2 0.2		
	OBS./EXP. RELATIVE RISK		1.083 1.000	0.573 0.000	0.489 0.547	0.632 0.707	1.946 2.127	8.370 9.923	5.651 6.321	8.186 9.158		
	TEST PROB.	AB=C? 0.8135	AB=D? 0.6806	AB=E? 0.4574	AB=F? 0.0054	AB=G? 0.2372	AB=H? 0.0419	AB=CD? 0.8160	AB=E-H? 0.0030	AB=FGH? 0.0002	HOMO. 0.0000	TREND. 0.0000

TABLE 13-10 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	7-65 TOTAL DOSE IN RAD								
		TOTAL	0-1	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	24	2	11	5	2	1	2	0	1
TOTAL	EXP.		4.9	8.8	5.1	1.9	1.6	0.8	0.4	0.4
	OBS./EXP.		0.404	1.253	0.975	1.056	0.611	2.405	0.000	2.326
	RELATIVE RISK		1.000		1.030	1.115	0.646	2.539	0.000	2.456
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4728	0.4193	0.7059	0.3987	0.7980	0.2973	0.4465	0.4176	0.3742
1950-54	OBS.	1	0	1	0	0	0	0	0	0
EXP.			0.2	0.4	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	2.421	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8296	0.7810	0.7780	0.7703	0.7645	0.7667	0.8425	0.7956	0.7801
1955-58	OBS.	1	0	1	0	0	0	0	0	0
EXP.			0.2	0.3	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	2.877	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8322	0.7873	0.7814	0.7708	0.7640	0.7674	0.8457	0.7993	0.7808
1959-62	OBS.	0	0	0	0	0	0	0	0	0
EXP.										
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1963-66	OBS.	2	0	0	1	1	0	0	0	0
EXP.			0.4	0.7	0.5	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	0.000	2.112	6.573	0.000	0.000	0.000	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2398	0.2398	X	X	X	X	0.2645	X	X
1967-70	OBS.	5	1	1	1	0	0	2	0	0
EXP.			1.0	1.9	1.1	0.4	0.3	0.2	0.1	0.1
	OBS./EXP.		1.031	0.514	0.942	0.000	0.000	11.601	0.000	0.000
	RELATIVE RISK		1.000		1.373	0.000	0.000	16.913	0.000	0.000
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3671	0.7971	0.7899	0.0328	0.7660	0.7669	0.5451	0.2706	0.1002
1971-74	OBS.	8	1	4	2	1	0	0	0	0
EXP.			1.6	3.1	1.6	0.6	0.6	0.3	0.1	0.1
	OBS./EXP.		0.629	1.308	1.214	1.600	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.128	1.487	0.000	0.000	0.000	0.000
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4180	0.3306	0.8275	0.8003	0.7779	0.7784	0.3984	0.8699	0.8260
1975-78	OBS.	7	0	4	1	0	1	0	0	1
EXP.			1.6	2.4	1.3	0.6	0.6	0.3	0.1	0.1
	OBS./EXP.		0.000	1.698	0.774	0.000	1.785	0.000	0.000	7.438
	RELATIVE RISK		1.000		0.772	0.000	1.777	0.000	0.000	7.405
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6507	0.8309	0.3280	0.7980	0.7799	0.2568	0.7508	0.3694	0.3271

TABLE 13-11 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-11

HIROSHIMA, MALE, ALL AGES

YEAR CLASS	TOTAL	T-65 TOTAL DOSE IN RAD							
		0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 OBS. TOTAL	65	28 25.9	16 17.5	12 11.5	3 3.1	4 2.3	2 0.6	1 0.3	1 0.6
OBS./EXP. RELATIVE RISK		0.969 1.000	0.800	1.047 1.157	0.977 1.079	1.709 1.888	2.628 2.903	2.861 3.160	1.598 1.766
TEST PROB.	AB=C? 0.4462	AB=D? 0.4324	AB=E? 0.2814	AB=F? 0.3034	AB=G? 0.2799	AB=H? 0.3199	AB=CD? 0.4429	AB=E-H? 0.1037	AB=FGH? 0.1625
								MONO. 0.6125	TREND. 0.0394
1950-54 OBS. EXP.	6	3 2.7	1 1.6	2 1.1	0 0.3	0 0.2	0 0.1	0 0.0	0 0.1
OBS./EXP. RELATIVE RISK		1.121 1.000	0.618	1.871 2.009	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	AB=C? 0.3271	AB=D? 0.7933	AB=E? 0.7840	AB=F? 0.7680	AB=G? 0.7640	AB=H? 0.7668	AB=CD? 0.3686	AB=E-H? 0.7989	AB=FGH? 0.7776
								MONO. 0.9736	TREND. 0.6904
1955-58 OBS. EXP.	4	3 1.8	0 1.1	0 0.7	1 0.2	0 0.1	0 0.0	0 0.0	0 0.0
OBS./EXP. RELATIVE RISK		1.682 1.000	0.000	0.000 0.000	5.184 4.900	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	AB=C? 0.8417	AB=D? 0.2641	AB=E? 0.7816	AB=F? 0.7673	AB=G? 0.7636	AB=H? 0.7682	AB=CD? 0.4630	AB=E-H? 0.7952	AB=FGH? 0.7760
								MONO. 0.5130	TREND. 0.5711
1959-62 OBS. EXP.	6	2 2.7	2 1.6	1 1.1	0 0.3	1 0.2	0 0.1	0 0.0	0 0.1
OBS./EXP. RELATIVE RISK		0.751 1.000	1.262	0.936 0.995	0.000 0.000	4.512 4.793	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	AB=C? 0.5232	AB=D? 0.7967	AB=E? 0.2642	AB=F? 0.7687	AB=G? 0.7643	AB=H? 0.7667	AB=CD? 0.6509	AB=E-H? 0.2841	AB=FGH? 0.7784
								MONO. 0.8373	TREND. 0.4686
1963-66 OBS. EXP.	7	4 3.1	1 1.9	2 1.2	0 0.3	0 0.3	0 0.1	0 0.0	0 0.1
OBS./EXP. RELATIVE RISK		1.288 1.000	0.537	1.604 1.594	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	AB=C? 0.3716	AB=D? 0.7996	AB=E? 0.7903	AB=F? 0.7715	AB=G? 0.7652	AB=H? 0.7688	AB=CD? 0.3873	AB=E-H? 0.8095	AB=FGH? 0.7837
								MONO. 0.9652	TREND. 0.7277
1967-70 OBS. EXP.	8	4 3.5	3 2.1	1 1.4	0 0.4	0 0.3	0 0.1	0 0.0	0 0.1
OBS./EXP. RELATIVE RISK		1.127 1.000	1.416	0.696 0.563	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	AB=C? 0.7333	AB=D? 0.8085	AB=E? 0.8012	AB=F? 0.7744	AB=G? 0.7661	AB=H? 0.7722	AB=CD? 0.7151	AB=E-H? 0.8240	AB=FGH? 0.7901
								MONO. 0.9840	TREND. 0.7821
1971-74 OBS. EXP.	17	5 7.5	4 4.4	3 3.1	2 0.8	1 0.6	0 0.2	0 0.1	0 0.2
OBS./EXP. RELATIVE RISK		0.663 1.000	0.878	1.634 2.195	2.496 3.354	1.693 2.274	0.000 0.000	0.000 0.000	0.000 0.000
TEST PROB.	AB=C? 0.2251	AB=D? 0.2873	AB=E? 0.2938	AB=F? 0.7773	AB=G? 0.7692	AB=H? 0.7745	AB=CD? 0.1429	AB=E-H? 0.3629	AB=FGH? 0.7972
								MONO. 0.6970	TREND. 0.4955
1975-78 OBS. EXP.	17	7 7.5	3 4.7	1 3.0	0 0.8	2 0.6	2 0.2	1 0.1	1 0.1
OBS./EXP. RELATIVE RISK		0.934 1.000	0.637	0.332 0.405	0.000 0.000	3.358 4.099	11.201 13.672	10.612 12.953	7.153 8.731
TEST PROB.	AB=C? 0.8100	AB=D? 0.8223	AB=E? 0.2279	AB=F? 0.0192	AB=G? 0.2482	AB=H? 0.2527	AB=CD? 0.8527	AB=E-H? 0.0025	AB=FGH? 0.0008
								MONO. 0.0000	TREND. 0.0000

TABLE 13-12 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-12

HIROSHIMA, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	68	33	15	10	3	2	1	0	4
	EXP.		31.3	16.8	13.3	3.5	1.7	0.7	0.3	0.4
	OBS./EXP. RELATIVE RISK		1.034 1.000	0.894	0.754 0.755	0.863 0.865	1.147 1.149	1.472 1.474	0.000 0.000	9.843 9.862
	TEST PROB.	AB=C? 0.7538	AB=D? 0.6236	AB=E? 0.6016	AB=F? 0.3417	AB=G? 0.7922	AB=H? 0.0004	AB=CD? 0.7496	AB=E-H? 0.1099	AB=FGH? 0.0420
									HOHQ. 0.0000	TREND. 0.0000
1950-54	OBS. EXP.	4	1 1.8	2 1.0	1 0.8	0 0.2	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.549 1.000	2.020	1.284 1.203	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3857	AB=D? 0.7898	AB=E? 0.7758	AB=F? 0.7664	AB=G? 0.7636	AB=H? 0.7649	AB=CD? 0.5663	AB=E-H? 0.7882	AB=FGH? 0.7740
									HOHQ. 0.9665	TREND. 0.6690
1955-58	OBS. EXP.	3	4 2.3	0 1.2	1 1.0	0 0.3	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.726 1.000	0.000	1.019 0.904	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5913	AB=D? 0.7955	AB=E? 0.7767	AB=F? 0.7668	AB=G? 0.7634	AB=H? 0.7436	AB=CD? 0.6725	AB=E-H? 0.7881	AB=FGH? 0.7730
									HOHQ. 0.8919	TREND. 0.6900
1959-62	OBS. EXP.	4	1 1.8	1 1.0	1 0.8	1 0.2	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.551 1.000	0.994	1.307 1.845	4.731 6.476	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3136	AB=D? 0.2571	AB=E? 0.7710	AB=F? 0.7647	AB=G? 0.7627	AB=H? 0.7637	AB=CD? 0.4469	AB=E-H? 0.7803	AB=FGH? 0.7703
									HOHQ. 0.8264	TREND. 0.4775
1963-66	OBS. EXP.	16	7 7.4	3 3.9	3 3.1	0 0.8	2 0.4	0 0.2	0 0.1	1 0.1
	OBS./EXP. RELATIVE RISK		0.943 1.000	0.770	0.956 1.082	0.000 0.000	4.911 5.561	0.000 0.000	0.000 0.000	10.747 12.170
	TEST PROB.	AB=C? 0.4334	AB=D? 0.8269	AB=E? 0.1461	AB=F? 0.7772	AB=G? 0.7684	AB=H? 0.2493	AB=CD? 0.6264	AB=E-H? 0.0996	AB=FGH? 0.2776
									HOHQ. 0.0219	TREND. 0.0042
1967-70	OBS. EXP.	11	6 5.1	2 2.7	0 2.2	1 0.5	0 0.3	0 0.1	0 0.1	2 0.1
	OBS./EXP. RELATIVE RISK		1.180 1.000	0.748	0.000 0.000	1.825 1.770	0.000 0.000	0.000 0.000	0.000 0.000	30.481 29.557
	TEST PROB.	AB=C? 0.9075	AB=D? 0.3196	AB=E? 0.7926	AB=F? 0.7742	AB=G? 0.7665	AB=H? 0.0004	AB=CD? 0.8271	AB=E-H? 0.2556	AB=FGH? 0.0697
									HOHQ. 0.0000	TREND. 0.0000
1971-74	OBS. EXP.	12	5 5.7	5 3.0	2 2.3	0 0.6	0 0.3	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.883 1.000	1.689	0.852 0.735	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6806	AB=D? 0.8239	AB=E? 0.7928	AB=F? 0.7751	AB=G? 0.7653	AB=H? 0.7659	AB=CD? 0.7526	AB=E-H? 0.8122	AB=FGH? 0.7844
									HOHQ. 0.9220	TREND. 0.7434
1975-78	OBS. EXP.	16	9 7.3	2 4.0	2 3.1	1 0.8	0 0.4	1 0.2	0 0.1	1 0.1
	OBS./EXP. RELATIVE RISK		1.237 1.000	0.498	0.641 0.658	1.230 1.262	0.000 0.000	4.263 6.427	0.000 0.000	9.568 9.818
	TEST PROB.	AB=C? 0.7223	AB=D? 0.3749	AB=E? 0.8035	AB=F? 0.2577	AB=G? 0.7689	AB=H? 0.2509	AB=CD? 0.6717	AB=E-H? 0.3709	AB=FGH? 0.1285
									HOHQ. 0.0432	TREND. 0.0078

TABLE 13-13 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-13

NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	12	1 2.8	6 3.9	1 2.4	2 1.0	1 0.9	0 0.3	0 0.2	1 0.3		
	OBS./EXP. RELATIVE RISK		0.356 1.000	1.538	0.418 0.400	1.921 1.841	1.074 1.029	0.000 0.000	0.000 0.000	3.883 3.722		
	TEST PROB.	AB=C? 0.8104	AB=D? 0.3901	AB=E? 0.4766	AB=F? 0.8153	AB=G? 0.7864	AB=H? 0.2728	AB=I? 0.6374	AB=E-H? 0.4901	AB=FGH? 0.5281	HOMO. 0.4491	TREND. 0.2349
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE RISK											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1955-58	OBS. EXP.	1	0 0.2	1 0.3	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 1.000	2.877	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8322	AB=D? 0.7873	AB=E? 0.7814	AB=F? 0.7708	AB=G? 0.7660	AB=H? 0.7674	AB=I? 0.8487	AB=E-H? 0.7993	AB=FGH? 0.7808	HOMO. 0.9663	TREND. 0.6603
1959-62	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE RISK											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1963-66	OBS. EXP.	2	0 0.4	0 0.7	1 0.5	1 0.2	0 0.1	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000	0.000 X	2.112 X	6.573 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	AB=C? 0.2398	AB=D? 0.2398	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? 0.2645	AB=E-H? X	AB=FGH? X	HOMO. 0.4619	TREND. 0.4980
1967-70	OBS. EXP.	1	1 0.2	0 0.3	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		4.531 1.000	0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8312	AB=D? 0.7859	AB=E? 0.7859	AB=F? 0.7731	AB=G? 0.7639	AB=H? 0.7661	AB=I? 0.8470	AB=E-H? 0.8040	AB=FGH? 0.7817	HOMO. 0.8320	TREND. 0.6648
1971-74	OBS. EXP.	3	0 0.7	2 1.0	0 0.5	1 0.3	0 0.3	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.000 1.000	2.071	0.000 0.000	3.745 3.073	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.4459	AB=D? 0.2805	AB=E? 0.8098	AB=F? 0.7891	AB=G? 0.7718	AB=H? 0.7710	AB=I? 0.4696	AB=E-H? 0.8433	AB=FGH? 0.8066	HOMO. 0.6728	TREND. 0.6786
1975-78	OBS. EXP.	5	0 1.3	3 1.5	0 0.9	0 0.5	1 0.4	0 0.2	0 0.1	1 0.1		
	OBS./EXP. RELATIVE RISK		0.000 1.000	2.000	0.000 0.000	0.000 0.000	2.318 2.153	0.000 0.000	0.000 0.000	9.751 9.057		
	TEST PROB.	AB=C? 0.8548	AB=D? 0.8230	AB=E? 0.3031	AB=F? 0.7927	AB=G? 0.7770	AB=H? 0.2524	AB=I? 0.8828	AB=E-H? 0.3892	AB=FGH? 0.3016	HOMO. 0.0702	TREND. 0.0296

TABLE 13-14 MALIGNANT NEOPLASMS OF LARGE INTESTINE, EXCEPT RECTUM

TABLE 13-14

NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD									
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H	
1950-76 TOTAL	OBS. EXP.	12	1 2.1	5 4.9	4 2.7	0 0.9	0 0.7	2 0.4	0 0.2	0 0.2	
	OBS./EXP. RELATIVE RISK		0.467 1.000	1.025	1.463 1.712	0.000 0.000	0.000	5.500 6.434	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C? 0.4143	AB=D? 0.8309	AB=E? 0.8201	AB=F? 0.1372	AB=G? 0.7769	AB=H? 0.7799	AB=CD? 0.4085	AB=E-H? 0.3738	AB=FGH? HOMO. 0.3091 0.1647	TREND. 0.3116
1950-54	OBS. EXP.	1	0 0.2	1 0.4	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000 1.000	2.421	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C? 0.8296	AB=D? 0.7810	AB=E? 0.7780	AB=F? 0.7703	AB=G? 0.7645	AB=H? 0.7667	AB=CD? 0.8425	AB=E-H? 0.7956	AB=FGH? HOMO. 0.7801 0.9849	TREND. 0.6490
1955-58	OBS. EXP.	0	0	0	0	0	0	0	0	0	
	OBS./EXP. RELATIVE R										
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? HOMO. X	TREND. X
1959-62	OBS. EXP.	0	0	0	0	0	0	0	0	0	
	OBS./EXP. RELATIVE R										
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? HOMO. X	TREND. X
1963-66	OBS. EXP.	0	0	0	0	0	0	0	0	0	
	OBS./EXP. RELATIVE R										
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? HOMO. X	TREND. X
1967-70	OBS. EXP.	4	0 0.7	1 1.6	1 0.8	0 0.3	0 0.3	2 0.1	0 0.1	0 0.1	
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.623	1.211 2.851	0.000 0.000	0.000 0.000	14.478 34.083	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C? 0.2870	AB=D? 0.7858	AB=E? 0.7741	AB=F? 0.0119	AB=G? 0.7643	AB=H? 0.7631	AB=CD? 0.3078	AB=E-H? 0.1656	AB=FGH? HOMO. 0.0497 0.0004	TREND. 0.0317
1971-74	OBS. EXP.	5	1 0.9	2 2.1	2 1.1	0 0.4	0 0.3	0 0.1	0 0.1	0 0.1	
	OBS./EXP. RELATIVE RISK		1.096 1.000	0.956	1.815 1.818	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C? 0.3674	AB=D? 0.8055	AB=E? 0.7973	AB=F? 0.7811	AB=G? 0.7702	AB=H? 0.7715	AB=CD? 0.3728	AB=E-H? 0.8275	AB=FGH? HOMO. 0.7988 0.9769	TREND. 0.7681
1975-78	OBS. EXP.	2	0 0.3	1 0.9	1 0.4	0 0.1	0 0.1	0 0.1	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.169	2.393 2.861	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C? 0.2843	AB=D? 0.7859	AB=E? 0.7863	AB=F? 0.7742	AB=G? 0.7673	AB=H? 0.7679	AB=CD? 0.3025	AB=E-H? 0.8091	AB=FGH? HOMO. 0.7872 0.9798	TREND. 0.6684

TABLE 14-1 MALIGNANT NEOPLASMS OF RECTUM AND RECTOSIGMOID JUNCTION

TABLE 14-1

HIROSHIMA - NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-45 TOTAL DOSE IN RAD								
		TOTAL	A	B	C	D	E	F	G	H
1950-78	OBS.	157	63	43	33	10	5	3	0	0
TOTAL	EXP.		63.6	43.7	30.0	8.6	6.0	2.4	1.1	1.6
	OBS./EXP.		0.991	0.983	1.100	1.164	0.833	1.232	0.000	0.000
	RELATIVE RISK		1.000		1.114	1.178	0.843	1.247	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3837	0.4287	0.6309	0.6112	0.8459	0.8720	0.3447	0.7530	0.7784
									0.8335	0.8849
1950-54	OBS.	16	10	1	1	0	3	1	0	0
	EXP.		6.8	4.4	3.0	0.8	0.5	0.2	0.1	0.1
	OBS./EXP.		1.481	0.228	0.329	0.000	5.515	4.917	0.000	0.000
	RELATIVE RISK		1.000		0.334	0.000	5.587	4.982	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8362	0.8327	0.0493	0.2659	0.7713	0.7777	0.8774	0.0724	0.3058
									0.0040	0.1065
1955-58	OBS.	20	10	3	6	1	0	0	0	0
	EXP.		8.3	5.5	3.9	1.1	0.7	0.3	0.1	0.2
	OBS./EXP.		1.211	0.546	1.531	0.915	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.620	0.969	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3277	0.5648	0.8256	0.7898	0.7736	0.7817	0.3560	0.8625	0.8170
									0.7913	0.8141
1959-62	OBS.	17	6	6	5	0	0	0	0	0
	EXP.		6.8	4.9	3.3	1.0	0.6	0.2	0.1	0.1
	OBS./EXP.		0.884	1.234	1.513	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.469	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4134	0.8467	0.3211	0.7862	0.7732	0.7768	0.4240	0.5544	0.8099
									0.5374	0.8347
1963-66	OBS.	21	9	7	4	1	0	0	0	0
	EXP.		8.2	5.9	4.2	1.2	0.8	0.3	0.2	0.2
	OBS./EXP.		1.093	1.178	0.940	0.885	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.851	0.767	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6439	0.6691	0.8450	0.8057	0.7826	0.7916	0.6557	0.8921	0.8426
									0.9697	0.8750
1967-70	OBS.	23	6	9	5	3	0	0	0	0
	EXP.		10.0	6.1	4.4	1.2	0.8	0.3	0.1	0.2
	OBS./EXP.		0.600	1.481	1.135	2.570	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.216	2.753	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4314	0.2219	0.8257	0.7853	0.7720	0.7801	0.3082	0.8601	0.8132
									0.3927	0.7438
1971-74	OBS.	30	10	12	4	1	2	1	0	0
	EXP.		11.6	8.3	5.7	1.8	1.4	0.6	0.3	0.4
	OBS./EXP.		0.859	1.439	0.707	0.569	1.435	1.686	0.000	0.000
	RELATIVE RISK		1.000		0.642	0.517	1.322	1.532	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7686	0.7470	0.3806	0.3294	0.7896	0.7980	0.8016	0.4255	0.6443
									0.7940	0.8508
1975-78	OBS.	30	12	3	8	6	0	1	0	0
	EXP.		12.0	8.6	5.7	1.6	1.2	0.5	0.2	0.3
	OBS./EXP.		1.004	0.385	1.413	2.497	0.000	1.977	0.000	0.000
	RELATIVE RISK		1.000		1.705	3.013	0.000	2.385	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2381	0.1231	0.5292	0.2752	0.7775	0.7814	0.1242	0.6690	0.3328
									0.3091	0.5570

TABLE 15-1 MALIGNANT NEOPLASMS OF PANCREAS

TABLE 15-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	148	59 59.8	48 41.1	26 28.3	6 8.1	6 5.8	3 2.3	1 1.1	1 1.6
	OBS./EXP. RELATIVE RISK		0.986 1.000	1.168	0.920 0.867	0.493 0.465	1.041 0.981	1.293 1.219	0.942 0.889	0.643 0.606
	TEST PROB.	AB=C? 0.6977	AB=D? 0.8831	AB=E? 0.5474	AB=F? 0.4119	AB=G? 0.5886	AB=H? 0.7056	AB=I? 0.8186	AB=J? 0.5392	AB=K? 0.5187
1950-54	OBS. EXP.	5	1 .2,3	1 1.3	3 0.9	0 0.2	0 0.2	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.444 1.000	0.756	3.327 5.950	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.1335	AB=D? 0.7818	AB=E? 0.7724	AB=F? 0.7644	AB=G? 0.7623	AB=H? 0.7633	AB=I? 0.1910	AB=J? 0.7806	AB=K? 0.7693
1955-58	OBS. EXP.	12	6 4.2	4 3.5	1 2.4	0 0.8	0 0.5	0 0.2	1 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		1.412 1.000	1.131	0.415 0.323	0.000 0.000	0.000 0.000	0.000 0.000	9.059 7.052	0.000 0.000
	TEST PROB.	AB=C? 0.8488	AB=D? 0.8426	AB=E? 0.8219	AB=F? 0.7907	AB=G? 0.2562	AB=H? 0.7819	AB=I? 0.8925	AB=J? 0.6544	AB=K? 0.3349
1959-62	OBS. EXP.	21	9 8.9	6 5.6	5 3.9	0 1.2	1 0.8	0 0.3	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		1.010 1.000	1.063	1.279 1.241	0.000 0.000	1.309 1.270	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4369	AB=D? 0.8547	AB=E? 0.3749	AB=F? 0.7887	AB=G? 0.7749	AB=H? 0.7815	AB=I? 0.5474	AB=J? 0.6859	AB=K? 0.8169
1963-66	OBS. EXP.	25	11 10.6	10 6.7	1 4.8	1 1.4	0 0.9	2 0.3	0 0.2	0 0.2
	OBS./EXP. RELATIVE RISK		1.041 1.000	1.493	0.210 0.172	0.730 0.600	0.000 0.000	5.760 4.736	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.9351	AB=D? 0.7201	AB=E? 0.8468	AB=F? 0.1597	AB=G? 0.7797	AB=H? 0.7880	AB=I? 0.9328	AB=J? 0.4351	AB=K? 0.4047
1967-70	OBS. EXP.	21	10 8.7	7 5.7	2 3.9	0 1.1	2 0.8	0 0.3	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		1.143 1.000	1.225	0.508 0.432	0.000 0.000	2.412 2.052	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8404	AB=D? 0.8606	AB=E? 0.4202	AB=F? 0.7994	AB=G? 0.7777	AB=H? 0.7879	AB=I? 0.8922	AB=J? 0.4275	AB=K? 0.8320
1971-74	OBS. EXP.	30	12 11.8	8 8.3	5 5.9	2 1.6	1 1.2	1 0.5	0 0.2	1 0.3
	OBS./EXP. RELATIVE RISK		1.016 1.000	0.940	0.847 0.861	1.232 1.251	0.859 0.873	2.056 2.089	0.000 0.000	3.294 3.347
	TEST PROB.	AB=C? 0.6376	AB=D? 0.3911	AB=E? 0.6295	AB=F? 0.3050	AB=G? 0.7825	AB=H? 0.2750	AB=I? 0.5776	AB=J? 0.4153	AB=K? 0.4970
1975-78	OBS. EXP.	34	10 13.3	12 9.6	9 6.5	1 1.9	2 1.4	0 0.6	0 0.3	0 0.4
	OBS./EXP. RELATIVE RISK		0.749 1.000	1.250	1.380 1.440	0.532 0.555	1.392 1.452	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3214	AB=D? 0.7287	AB=E? 0.3804	AB=F? 0.8095	AB=G? 0.7871	AB=H? 0.7943	AB=I? 0.4143	AB=J? 0.4509	AB=K? 0.8499

TABLE 16-1 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-1

MIYOSHI (MA + NAGASAKI), MALE + FEMALE, ALL AGES

YEAR CLASS		T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	595	219	163	110	43	26	17	8	9
TOTAL	EXP.		232.7	168.8	113.3	34.0	24.5	10.4	4.8	6.5
	OBS./EXP.		0.941	0.966	0.971	1.254	1.043	1.635	1.666	1.382
	RELATIVE RISK		1.000		1.020	1.328	1.117	1.718	1.751	1.452
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4612	0.1072	0.3435	0.0649	0.1486	0.2513	0.2746	0.0472	0.0033
1950-54	OBS.	70	32	19	12	2	0	3	1	1
	EXP.		27.2	20.1	13.7	4.0	2.7	1.1	0.5	0.8
	OBS./EXP.		1.177	0.945	0.874	0.506	0.000	2.846	1.978	1.300
	RELATIVE RISK		1.000		0.812	0.469	0.000	2.638	1.834	1.206
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.6996	0.8157	0.9190	0.2048	0.3112	0.3818	0.7830	0.6038	0.3548
1955-58	OBS.	57	27	17	6	5	1	1	0	0
	EXP.		22.7	16.3	11.2	3.1	2.1	0.8	0.4	0.5
	OBS./EXP.		1.191	1.042	0.538	1.595	0.486	1.272	0.000	0.000
	RELATIVE RISK		1.000		0.476	1.414	0.430	1.127	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.9118	0.3836	0.7819	0.3857	0.7984	0.8113	0.8244	0.8018	0.5523
1959-62	OBS.	86	28	30	32	7	5	0	1	3
	EXP.		34.5	23.7	16.6	5.1	3.3	1.3	0.6	0.9
	OBS./EXP.		0.811	1.265	0.723	1.375	1.528	0.000	1.607	3.503
	RELATIVE RISK		1.000		0.726	1.380	1.532	0.000	1.613	3.517
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7908	0.3349	0.3430	0.8623	0.3276	0.1330	0.6606	0.2817	0.0734
1963-66	OBS.	87	35	25	14	6	1	5	0	1
	EXP.		33.3	25.0	16.6	5.1	3.7	1.6	0.7	1.0
	OBS./EXP.		1.052	1.001	0.842	1.168	0.274	3.072	0.000	1.010
	RELATIVE RISK		1.000		0.817	1.133	0.266	2.981	0.000	0.950
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7021	0.4374	0.8792	0.0759	0.8259	0.4543	0.6494	0.5270	0.2321
1967-70	OBS.	82	24	24	17	10	5	2	0	0
	EXP.		32.1	22.8	15.5	4.8	3.5	1.6	0.7	0.9
	OBS./EXP.		0.747	1.053	1.098	2.083	1.417	1.243	0.000	0.000
	RELATIVE RISK		1.000		1.256	2.384	1.622	1.422	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3332	0.0477	0.2953	0.3857	0.8156	0.8322	0.1282	0.4781	0.7194
1971-74	OBS.	89	28	22	17	9	7	2	2	2
	EXP.		34.1	25.7	16.7	5.1	3.9	1.7	0.8	1.0
	OBS./EXP.		0.822	0.857	1.018	1.769	1.783	1.158	2.321	1.940
	RELATIVE RISK		1.000		1.217	2.113	2.130	1.383	3.012	2.317
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3527	0.1041	0.1368	0.3858	0.2844	0.4053	0.1802	0.0587	0.1721
1975-78	OBS.	124	45	26	32	4	7	4	4	2
	EXP.		49.1	33.3	23.1	4.9	5.2	2.2	1.0	1.3
	OBS./EXP.		0.916	0.741	1.384	0.584	1.341	1.804	3.833	1.540
	RELATIVE RISK		1.000		1.642	0.693	1.592	2.140	4.348	1.828
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.0593	0.7132	0.2335	0.1689	0.0214	0.4334	0.1263	0.0228	0.0172

TABLE 16-2 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	4	2	1	1	0	0	0	0	0
	EXP.		1.9	1.1	0.7	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		1.064	0.936	1.360	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.337	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3613	0.7829	0.7715	0.7654	0.7625	0.7632	0.4184	0.7809	0.7704
									0.9997	0.6446
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	X	X	X	X
1963-66	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	X	X	X	X
1967-70	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		2.142	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8059	0.7719	0.7667	0.7630	0.7614	0.7617	0.8144	0.7757	0.7656
									0.9922	0.5952
1971-74	OBS.	1	0	1	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8075	0.7721	0.7656	0.7623	0.7613	0.7616	0.8161	0.7704	0.7652
									0.9921	0.6046
1975-78	OBS.	2	1	0	1	0	0	0	0	0
	EXP.		0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		1.063	0.000	2.712	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		3.998	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2702	0.7722	0.7657	0.7627	0.7613	0.7617	0.2779	0.7704	0.7631
									0.9712	0.5659

TABLE 16-3 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T=65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	30	7 11.1	13 9.7	5 4.7	0 1.5	1 1.6	0 0.7	3 0.3	1 0.5		
	OBS./EXP. RELATIVE RISK		0.631 1.000	1.340	1.074 1.116	0.000 0.000	0.631 0.656	0.000 0.000	9.931 10.324	2.202 2.289		
	TEST PROB.	AB=C? 0.4301	AB=D? 0.8777	AB=E? 0.7286	AB=F? 0.8364	AB=G? 0.0061	AB=H? 0.3062	AB=CD? 0.6561	AB=E-H? 0.3321	AB=FGH? 0.1724	NOMO, 0.0001	TREND, 0.0210
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	NOMO, X	TREND, X
1955-58	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	NOMO, X	TREND, X
1959-62	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	NOMO, X	TREND, X
1963-66	OBS. EXP.	3	1 1.1	1 0.9	1 0.5	0 0.2	0 0.2	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.901 1.000	1.057	2.062 2.120	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3042	AB=D? 0.7884	AB=E? 0.7934	AB=F? 0.7765	AB=G? 0.7658	AB=H? 0.7700	AB=CD? 0.3326	AB=E-H? 0.8163	AB=FGH? 0.7896	NOMO, 0.9943	TREND, 0.7013
1967-70	OBS. EXP.	4	2 1.3	2 1.4	0 0.6	0 0.2	0 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		1.542 1.000	1.433	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8518	AB=D? 0.8032	AB=E? 0.8101	AB=F? 0.7855	AB=G? 0.7693	AB=H? 0.7758	AB=CD? 0.8738	AB=E-H? 0.8421	AB=FGH? 0.8053	NOMO, 0.9572	TREND, 0.8095
1971-74	OBS. EXP.	9	0 3.3	5 2.9	1 1.4	0 0.5	1 0.5	0 0.2	2 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.747	0.706 0.875	0.000 0.000	2.084 2.585	0.000 0.000	21.469 26.635	0.000 0.000		
	TEST PROB.	AB=C? 0.6168	AB=D? 0.8160	AB=E? 0.3087	AB=F? 0.7955	AB=G? 0.0034	AB=H? 0.7783	AB=CD? 0.7097	AB=E-H? 0.1700	AB=FGH? 0.2067	NOMO, 0.0000	TREND, 0.0048
1975-78	OBS. EXP.	14	4 5.4	5 4.5	3 2.2	0 0.7	0 0.7	0 0.3	1 0.1	1 0.2		
	OBS./EXP. RELATIVE RISK		0.747 1.000	1.117	1.393 1.522	0.000 0.000	0.000 0.000	0.000 0.000	7.482 8.175	5.190 5.670		
	TEST PROB.	AB=C? 0.4209	AB=D? 0.8202	AB=E? 0.8242	AB=F? 0.7943	AB=G? 0.2542	AB=H? 0.2596	AB=CD? 0.4087	AB=E-H? 0.3767	AB=FGH? 0.2892	NOMO, 0.1209	TREND, 0.0502

TABLE 16-4 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	Y-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	82	25	22	17	4	6	6	1	1
	EXP.		31.0	23.5	12.3	4.9	4.1	2.1	1.0	1.1
	OBS./EXP. RELATIVE RISK		0.807 1.000	0.935	1.192 1.382	0.814 0.944	1.471 1.706	2.823 3.273	1.002 1.161	0.880 1.020
	TEST PROB.	AB=C? 0.2482	AB=D? 0.5335	AB=E? 0.2178	AB=F? 0.0326	AB=G? 0.3843	AB=H? 0.4306	AB=I? 0.2477	AB=J? 0.0606	AB=K? 0.0910
										TREND. 0.0762
1950-54	OBS. EXP.	3	1 1.3	1 0.8	1 0.6	0 0.2	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.747 1.000	1.285	1.609 1.915	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3125	AB=D? 0.7833	AB=E? 0.7729	AB=F? 0.7653	AB=G? 0.7633	AB=H? 0.7652	AB=I? 0.3431	AB=J? 0.7845	AB=K? 0.7729
										TREND. 0.6554
1955-58	OBS. EXP.	2	1 0.6	1 0.6	0 0.4	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.558 1.000	1.576	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8377	AB=D? 0.7914	AB=E? 0.7871	AB=F? 0.7741	AB=G? 0.7672	AB=H? 0.7690	AB=I? 0.3557	AB=J? 0.8092	AB=K? 0.7878
										TREND. 0.9919
1959-62	OBS. EXP.	3	1 1.2	1 0.8	0 0.5	0 0.2	0 0.2	0 0.1	0 0.0	1 0.0
	OBS./EXP. RELATIVE RISK		0.865 1.000	1.268	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	24.413 23.743
	TEST PROB.	AB=C? 0.8305	AB=D? 0.7994	AB=E? 0.7980	AB=F? 0.7846	AB=G? 0.7708	AB=H? 0.2442	AB=I? 0.8542	AB=J? 0.2741	AB=K? 0.2553
										TREND. 0.0014
1963-66	OBS. EXP.	17	6 6.2	7 5.0	4 3.1	1 1.0	0 0.8	1 0.4	0 0.2	0 0.2
	OBS./EXP. RELATIVE RISK		0.644 1.000	1.401	1.296 1.321	0.973 0.991	0.000 0.000	2.399 2.444	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4258	AB=D? 0.6259	AB=E? 0.8493	AB=F? 0.3041	AB=G? 0.7885	AB=H? 0.7901	AB=I? 0.4242	AB=J? 0.7476	AB=K? 0.4475
										TREND. 0.7823
1967-70	OBS. EXP.	13	3 4.8	3 3.6	2 2.1	1 0.8	2 0.8	2 0.4	0 0.2	0 0.2
	OBS./EXP. RELATIVE RISK		0.619 1.000	0.837	0.940 1.322	1.177 1.655	2.611 3.671	4.577 6.634	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3813	AB=D? 0.3126	AB=E? 0.2235	AB=F? 0.1919	AB=G? 0.7785	AB=H? 0.7782	AB=I? 0.4002	AB=J? 0.1332	AB=K? 0.3825
										TREND. 0.2330
1971-74	OBS. EXP.	16	4 6.0	4 4.6	3 2.8	2 0.9	2 0.8	1 0.4	0 0.2	0 0.2
	OBS./EXP. RELATIVE RISK		0.662 1.000	0.862	1.091 1.456	2.140 2.857	2.503 3.342	2.430 3.244	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4120	AB=D? 0.2846	AB=E? 0.2409	AB=F? 0.2702	AB=G? 0.7731	AB=H? 0.7771	AB=I? 0.3074	AB=J? 0.2659	AB=K? 0.3158
										TREND. 0.6223
1975-78	OBS. EXP.	28	11 10.7	5 8.1	7 4.8	0 1.6	2 1.3	2 0.7	1 0.3	0 0.4
	OBS./EXP. RELATIVE RISK		1.028 1.000	0.615	1.448 1.703	0.000 0.000	1.504 1.770	2.971 3.495	2.960 3.482	0.000 0.000
	TEST PROB.	AB=C? 0.2702	AB=D? 0.8536	AB=E? 0.4437	AB=F? 0.1320	AB=G? 0.2669	AB=H? 0.7881	AB=I? 0.4521	AB=J? 0.1309	AB=K? 0.1573
										TREND. 0.2936

TABLE 16-5 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	254	101	75	59	20	14	8	1	6
TOTAL	EXP.		109.4	79.2	55.4	16.6	12.5	5.0	2.4	3.4
	OBS./EXP.		0.923	0.946	1.066	1.208	1.121	1.588	0.417	1.746
	RELATIVE RISK		1.000		1.161	1.295	1.202	1.702	0.447	1.870
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2840	0.2692	0.3527	0.1650	0.7780	0.1977	0.2155	0.1625	0.1730
									0.4743	0.0443
1950-54	OBS.	25	13	6	4	0	0	2	0	1
	EXP.		11.0	7.7	5.3	1.6	1.2	0.5	0.3	0.4
	OBS./EXP.		1.184	0.777	1.123	0.000	0.000	4.099	0.000	2.757
	RELATIVE RISK		1.000		1.105	0.000	0.000	4.034	0.000	2.714
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4323	0.8761	0.8380	0.2113	0.7862	0.2881	0.6362	0.4050	0.2382
									0.2022	0.2269
1955-58	OBS.	20	10	6	3	0	0	1	0	0
	EXP.		8.5	5.3	3.8	1.0	0.8	0.3	0.1	0.2
	OBS./EXP.		1.177	1.139	0.785	0.000	0.000	3.668	0.000	0.000
	RELATIVE RISK		1.000		0.675	0.000	0.000	3.155	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7324	0.8550	0.8339	0.2756	0.7760	0.7841	0.8166	0.6877	0.3377
									0.7040	0.6946
1959-62	OBS.	38	11	12	8	2	3	0	0	2
	EXP.		14.1	10.9	7.4	2.3	1.8	0.7	0.3	0.5
	OBS./EXP.		0.782	1.104	1.083	0.861	1.690	0.000	0.000	3.930
	RELATIVE RISK		1.000		1.174	0.933	1.832	0.000	0.000	4.315
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4613	0.5416	0.3690	0.8239	0.7933	0.2160	0.4555	0.3610	0.3887
									0.3942	0.0806
1963-66	OBS.	32	12	11	2	4	0	3	0	0
	EXP.		11.2	9.4	6.2	2.0	1.6	0.7	0.3	0.5
	OBS./EXP.		1.069	1.166	0.324	1.965	0.000	4.315	0.000	0.000
	RELATIVE RISK		1.000		0.292	1.766	0.000	3.879	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9184	0.3161	0.8792	0.0929	0.7924	0.8069	0.7852	0.5810	0.3389
									0.0343	0.4351
1967-70	OBS.	45	12	14	11	6	2	0	0	0
	EXP.		17.4	12.5	8.9	2.6	1.9	0.8	0.4	0.5
	OBS./EXP.		0.691	1.123	1.233	2.288	1.037	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.414	2.624	1.189	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3014	0.1022	0.3923	0.8222	0.7920	0.6045	0.1452	0.7095	0.8679
									0.2942	0.6822
1971-74	OBS.	51	18	11	11	5	4	0	0	2
	EXP.		19.6	14.3	10.0	2.9	2.3	0.9	0.4	0.6
	OBS./EXP.		0.918	0.771	1.103	1.705	1.756	0.000	0.000	3.423
	RELATIVE RISK		1.000		1.289	1.992	2.052	0.000	0.000	4.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3583	0.2462	0.2706	0.8371	0.8008	0.2207	0.2423	0.2821	0.4029
									0.2859	0.0665
1975-78	OBS.	70	25	15	18	3	5	2	1	1
	EXP.		28.0	19.2	13.7	3.9	2.9	1.1	0.5	0.7
	OBS./EXP.		0.894	0.782	1.310	0.762	1.728	1.801	1.974	1.494
	RELATIVE RISK		1.000		1.544	0.898	2.034	2.123	2.326	1.761
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1694	0.5965	0.2185	0.4352	0.2940	0.3238	0.2206	0.1049	0.2230
									0.5734	0.0664

TABLE 16-6 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T=63 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	195 79.4	84 79.4	52 55.2	28 38.2	19 10.9	5 6.2	3 2.5	3 1.1	1 1.5		
	OBS./EXP. RELATIVE RISK		1.058 1.000	0.942 0.942	0.732 0.725	1.742 1.724	0.803 0.795	1.214 1.201	2.756 2.728	0.684 0.677		
	TEST PROB.	AB=C? 0.8737	AB=D? 0.0603	AB=E? 0.6567	AB=F? 0.4117	AB=G? 0.1719	AB=H? 0.6686	AB=CD? 0.8053	AB=E-H? 0.4948	AB=FGH? 0.3084	HOMO, 0.0701	TREND, 0.2027
1950-54	OBS. EXP.	39 14.9	18 14.9	12 11.6	5 7.8	2 2.2	0 1.4	1 0.5	1 0.2	0 0.4		
	OBS./EXP. RELATIVE RISK		1.211 1.000	1.034 1.034	0.641 0.565	0.919 0.811	0.000 0.000	1.874 1.654	4.257 3.756	0.000 0.000		
	TEST PROB.	AB=C? 0.8291	AB=D? 0.6384	AB=E? 0.8730	AB=F? 0.3238	AB=G? 0.2716	AB=H? 0.8009	AB=CD? 0.8201	AB=E-H? 0.7020	AB=FGH? 0.3839	HOMO, 0.4895	TREND, 0.5963
1955-58	OBS. EXP.	35 13.5	16 13.5	10 10.4	3 6.9	5 2.0	1 1.2	0 0.5	0 0.2	0 0.3		
	OBS./EXP. RELATIVE RISK		1.182 1.000	0.960 0.960	0.432 0.398	2.551 2.350	0.833 0.768	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8952	AB=D? 0.1536	AB=E? 0.6309	AB=F? 0.8059	AB=G? 0.7822	AB=H? 0.7885	AB=CD? 0.6793	AB=E-H? 0.7768	AB=FGH? 0.8404	HOMO, 0.2939	TREND, 0.7247
1959-62	OBS. EXP.	45 19.3	16 19.3	17 12.1	4 8.7	5 2.6	2 1.3	0 0.5	1 0.2	0 0.3		
	OBS./EXP. RELATIVE RISK		0.829 1.000	1.410 1.410	0.461 0.438	1.952 1.854	1.490 1.416	0.000 0.000	4.258 4.046	0.000 0.000		
	TEST PROB.	AB=C? 0.8950	AB=D? 0.2442	AB=E? 0.3821	AB=F? 0.8098	AB=G? 0.2681	AB=H? 0.7930	AB=CD? 0.7326	AB=E-H? 0.4092	AB=FGH? 0.5693	HOMO, 0.1328	TREND, 0.3414
1963-66	OBS. EXP.	35 14.7	18 14.7	6 9.6	7 6.9	1 1.9	1 1.0	1 0.4	0 0.2	1 0.2		
	OBS./EXP. RELATIVE RISK		1.223 1.000	0.627 0.627	1.015 1.027	0.521 0.527	0.970 0.982	2.239 2.246	0.000 0.000	4.410 4.463		
	TEST PROB.	AB=C? 0.4477	AB=D? 0.7301	AB=E? 0.4212	AB=F? 0.2910	AB=G? 0.7765	AB=H? 0.2615	AB=CD? 0.5826	AB=E-H? 0.4078	AB=FGH? 0.3490	HOMO, 0.5304	TREND, 0.1385
1967-70	OBS. EXP.	19 8.2	6 8.2	5 5.1	4 3.6	3 1.1	1 0.6	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.734 1.000	0.985 0.985	1.098 1.322	2.803 3.376	1.778 2.141	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.4215	AB=D? 0.1574	AB=E? 0.3048	AB=F? 0.7847	AB=G? 0.7696	AB=H? 0.7741	AB=CD? 0.2610	AB=E-H? 0.4025	AB=FGH? 0.8035	HOMO, 0.6672	TREND, 0.4221
1971-74	OBS. EXP.	12 4.6	6 4.6	1 3.6	2 2.4	2 0.7	0 0.4	1 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.308 1.000	0.274 0.274	0.845 0.994	2.761 3.247	0.000 0.000	6.302 7.410	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.5123	AB=D? 0.2995	AB=E? 0.7913	AB=F? 0.2530	AB=G? 0.7680	AB=H? 0.7688	AB=CD? 0.4732	AB=E-H? 0.3106	AB=FGH? 0.2695	HOMO, 0.2058	TREND, 0.2179
1975-78	OBS. EXP.	10 4.2	4 4.2	1 2.8	3 2.0	1 0.5	0 0.3	0 0.1	1 0.1	0 0.0		
	OBS./EXP. RELATIVE RISK		0.959 1.000	0.356 0.356	1.481 2.066	1.823 2.544	0.000 0.000	0.000 0.000	17.268 24.094	0.000 0.000		
	TEST PROB.	AB=C? 0.3861	AB=D? 0.2867	AB=E? 0.7769	AB=F? 0.7680	AB=G? 0.2424	AB=H? 0.7632	AB=CD? 0.3071	AB=E-H? 0.2698	AB=FGH? 0.2520	HOMO, 0.0131	TREND, 0.0672

TABLE 16-7 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	320	122	88	52	21	15	11	6	5
	EXP.		124.5	90.7	57.1	18.9	15.4	6.4	2.9	4.2
	OBS./EXP. RELATIVE RISK		0.980	0.970	0.911	1.112	0.977	1.724	2.046	1.188
			1.000		0.933	1.140	1.001	1.767	2.094	1.217
	TEST PROB.	AB=C? 0.6298	AB=D? 0.3511	AB=E? 0.4614	AB=F? 0.1039	AB=G? 0.1145	AB=H? 0.4825	AB=I? 0.5372	AB=E-H? 0.1377	AB=FGH? 0.0519
									0.3608	0.3608
										TREND, 0.0330
1950-54	OBS. EXP.	45	19	14	8	1	0	1	1	1
			17.5	12.6	8.5	2.6	2.0	0.7	0.4	0.6
	OBS./EXP. RELATIVE RISK		1.088	1.090	0.939	0.391	0.000	1.380	2.848	1.733
			1.000		0.863	0.359	0.000	1.268	2.616	1.592
	TEST PROB.	AB=C? 0.6316	AB=D? 0.8216	AB=E? 0.8930	AB=F? 0.3635	AB=G? 0.2839	AB=H? 0.3286	AB=I? 0.7363	AB=E-H? 0.6857	AB=FGH? 0.4292
									0.6835	0.6835
										TREND, 0.3937
1955-58	OBS. EXP.	33	16	8	4	3	1	1	0	0
			14.0	9.0	6.0	1.7	1.3	0.4	0.2	0.3
	OBS./EXP. RELATIVE RISK		1.141	0.891	0.663	1.725	0.799	2.292	0.000	0.000
			1.000		0.636	1.653	0.766	2.198	0.000	0.000
	TEST PROB.	AB=C? 0.7685	AB=D? 0.4017	AB=E? 0.6194	AB=F? 0.2898	AB=G? 0.7795	AB=H? 0.7917	AB=I? 0.6453	AB=E-H? 0.5499	AB=FGH? 0.4006
									0.8555	0.8555
										TREND, 0.5909
1959-62	OBS. EXP.	44	14	16	6	1	4	0	1	2
			16.8	12.4	8.1	2.8	2.1	0.8	0.4	0.6
	OBS./EXP. RELATIVE RISK		0.833	1.290	0.745	0.355	1.881	0.000	2.586	3.469
			1.000		0.725	0.345	1.831	0.000	2.517	3.377
	TEST PROB.	AB=C? 0.7281	AB=D? 0.8291	AB=E? 0.2823	AB=F? 0.8318	AB=G? 0.2850	AB=H? 0.2519	AB=I? 0.8146	AB=E-H? 0.2178	AB=FGH? 0.4149
									0.1741	0.1741
										TREND, 0.0514
1963-66	OBS. EXP.	45	21	10	7	3	0	4	0	0
			17.1	12.7	8.1	2.8	2.3	1.0	0.4	0.6
	OBS./EXP. RELATIVE RISK		1.225	0.786	0.868	1.066	0.000	4.148	0.000	0.000
			1.000		0.836	1.027	0.000	3.996	0.000	0.000
	TEST PROB.	AB=C? 0.6515	AB=D? 0.4493	AB=E? 0.9051	AB=F? 0.0580	AB=G? 0.8030	AB=H? 0.8166	AB=I? 0.6241	AB=E-H? 0.6019	AB=FGH? 0.2795
									0.0430	0.0430
										TREND, 0.5525
1967-70	OBS. EXP.	44	15	15	4	6	2	2	0	0
			16.6	12.4	7.7	2.8	2.3	1.1	0.5	0.6
	OBS./EXP. RELATIVE RISK		0.904	1.210	0.519	2.153	0.854	1.841	0.000	0.000
			1.000		0.501	2.080	0.825	1.779	0.000	0.000
	TEST PROB.	AB=C? 0.8593	AB=D? 0.1688	AB=E? 0.6197	AB=F? 0.3877	AB=G? 0.8054	AB=H? 0.8207	AB=I? 0.6062	AB=E-H? 0.6365	AB=FGH? 0.6296
									0.3184	0.3184
										TREND, 0.6081
1971-74	OBS. EXP.	50	18	11	10	4	3	2	1	1
			19.5	14.2	8.8	2.9	2.5	1.1	0.5	0.7
	OBS./EXP. RELATIVE RISK		0.923	0.777	1.141	1.385	1.216	1.883	2.042	1.505
			1.000		1.324	1.607	1.411	2.186	2.370	1.747
	TEST PROB.	AB=C? 0.3585	AB=D? 0.3722	AB=E? 0.4095	AB=F? 0.4846	AB=G? 0.2933	AB=H? 0.3252	AB=I? 0.2791	AB=E-H? 0.2499	AB=FGH? 0.2408
									0.8702	0.8702
										TREND, 0.0882
1975-78	OBS. EXP.	59	19	14	13	3	5	1	3	1
			23.0	17.1	10.1	3.3	2.9	1.2	0.6	0.7
	OBS./EXP. RELATIVE RISK		0.826	0.819	1.293	0.897	1.707	0.804	5.039	1.354
			1.000		1.571	1.090	2.074	0.976	6.123	1.645
	TEST PROB.	AB=C? 0.1936	AB=D? 0.4071	AB=E? 0.1A29	AB=F? 0.3900	AB=G? 0.0197	AB=H? 0.3190	AB=I? 0.2201	AB=E-H? 0.0644	AB=FGH? 0.1133
									0.0572	0.0572
										TREND, 0.0258

TABLE 16-8 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-8

HIROSHIMA - NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9	10-49	50-99	100-199	200-299	300-399	400+
			0	5	C	D	E	F	G	H
1950-78	OBS.	275	97	75	58	22	11	6	2	4
TOTAL	EXP.		108.3	78.1	56.2	15.1	9.1	4.0	1.9	2.3
	OBS./EXP.		0.896	0.961	1.031	1.453	1.209	1.492	1.070	1.737
	RELATIVE RISK		1.000		1.117	1.574	1.309	1.617	1.159	1.882
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3314	0.0932	0.2965	0.2635	0.4016	0.2690	0.1786	0.1095	0.1502
1950-54	OBS.	25	13	5	4	1	0	2	0	0
	EXP.		9.7	7.3	5.2	1.4	0.8	0.3	0.2	0.2
	OBS./EXP.		1.338	0.689	0.772	0.719	0.000	6.063	0.000	0.000
	RELATIVE RISK		1.000		0.728	0.678	0.000	5.717	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7115	0.6848	0.8339	0.1334	0.7786	0.7833	0.7253	0.3875	0.3420
1955-58	OBS.	24	11	9	2	2	0	0	0	0
	EXP.		8.6	7.3	5.1	1.4	0.8	0.4	0.2	0.2
	OBS./EXP.		1.272	1.227	0.390	1.434	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.312	1.146	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.9109	0.4088	0.3471	0.8056	0.7828	0.7858	0.8644	0.8914	0.8337
1959-62	OBS.	42	14	14	6	6	1	0	0	1
	EXP.		17.7	11.3	8.5	2.3	1.2	0.5	0.2	0.3
	OBS./EXP.		0.791	1.237	0.704	2.641	0.870	0.000	0.000	3.573
	RELATIVE RISK		1.000		0.729	2.738	0.901	0.000	0.000	3.704
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7447	0.0813	0.6068	0.8121	0.7859	0.2766	0.4661	0.5882	0.5715
1963-66	OBS.	42	14	15	7	3	1	1	0	1
	EXP.		16.1	12.2	8.4	2.3	1.4	0.7	0.3	0.4
	OBS./EXP.		0.868	1.225	0.817	1.291	0.718	1.507	0.000	2.675
	RELATIVE RISK		1.000		0.799	1.263	0.702	1.474	0.000	2.617
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6805	0.4073	0.6775	0.3375	0.7925	0.2860	0.6250	0.4169	0.3824
1967-70	OBS.	38	9	9	13	4	3	0	0	0
	EXP.		15.5	10.4	7.8	2.0	1.2	0.5	0.2	0.3
	OBS./EXP.		0.579	0.866	1.671	1.988	2.529	0.000	0.000	0.000
	RELATIVE RISK		1.000		2.409	2.865	3.645	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.0584	0.1131	0.1008	0.7921	0.7755	0.7794	0.0336	0.2673	0.8183
1971-74	OBS.	39	10	11	7	5	4	0	1	1
	EXP.		14.6	11.5	7.9	2.2	1.5	0.7	0.3	0.4
	OBS./EXP.		0.687	0.954	0.883	2.273	2.741	0.000	3.295	2.726
	RELATIVE RISK		1.000		1.097	2.822	3.404	0.000	4.092	3.386
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4371	0.1206	0.0859	0.5159	0.2689	0.2760	0.2894	0.0776	0.4124
1975-78	OBS.	65	26	12	19	1	2	3	1	1
	EXP.		26.1	18.0	13.1	3.3	2.3	1.0	0.4	0.6
	OBS./EXP.		0.994	0.666	1.454	0.283	0.873	3.082	2.231	1.756
	RELATIVE RISK		1.000		1.689	0.331	1.015	3.581	2.592	2.075
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.1168	0.8421	0.4286	0.1089	0.2869	0.3060	0.2331	0.1390	0.0682

TABLE 16-9 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR CLASS		Y=65 TOTAL DOSE (IN RAD)								
		TOTAL	A	B	C	D	E	F	G	H
1950-78	OBS.	444	188	118	75	25	18	9	5	6
TOTAL	EXP.		200.3	115.1	82.2	21.8	13.8	4.9	2.4	3.5
	OBS./EXP.		0.939	1.025	0.912	1.149	1.306	1.831	2.108	1.691
	RELATIVE RISK		1.000		0.940	1.184	1.346	1.887	2.173	1.743
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND,
PROB.	0.6463	0.3145	0.2197	0.1154	0.1535	0.2217	0.5338	0.0307	0.0271	0.0019
1950-54	OBS.	52	26	15	9	1	0	1	0	0
	EXP.		23.4	13.5	9.6	2.6	1.7	0.5	0.3	0.4
	OBS./EXP.		1.109	1.111	0.941	0.388	0.000	1.821	0.000	0.000
	RELATIVE RISK		1.000		0.848	0.349	0.000	1.641	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND,
PROB.	0.6619	0.8325	0.8855	0.3284	0.7904	0.8057	0.7584	0.8539	0.6676	0.8787
1955-58	OBS.	46	25	13	3	3	1	1	0	0
	EXP.		20.7	11.9	8.5	2.3	1.5	0.5	0.2	0.4
	OBS./EXP.		1.207	1.092	0.352	1.291	0.684	2.008	0.000	0.000
	RELATIVE RISK		1.000		0.302	1.108	0.587	1.723	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND,
PROB.	0.9486	0.4222	0.7227	0.3235	0.7884	0.8014	0.9109	0.7153	0.6457	0.5381
1959-62	OBS.	67	25	22	9	6	3	0	1	1
	EXP.		30.4	17.0	12.6	3.5	2.0	0.7	0.3	0.5
	OBS./EXP.		0.822	1.291	0.714	1.714	1.531	0.000	3.036	2.197
	RELATIVE RISK		1.000		0.721	1.730	1.525	0.000	3.064	2.217
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND,
PROB.	0.7701	0.2455	0.4703	0.8216	0.2801	0.3001	0.5907	0.3777	0.3838	0.2930
1963-66	OBS.	61	30	17	10	1	0	2	0	1
	EXP.		27.7	15.7	11.3	3.0	1.8	0.7	0.3	0.5
	OBS./EXP.		1.083	1.083	0.886	0.333	0.000	2.907	0.000	2.123
	RELATIVE RISK		1.000		0.818	0.308	0.000	2.685	0.000	1.961
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND,
PROB.	0.6954	0.8590	0.5914	0.3245	0.7929	0.3076	0.7953	0.6340	0.3369	0.4261
1967-70	OBS.	60	20	18	10	7	5	0	0	0
	EXP.		27.1	15.4	11.2	2.9	1.8	0.7	0.3	0.5
	OBS./EXP.		0.737	1.171	0.891	2.382	2.706	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.996	2.664	3.026	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND,
PROB.	0.5110	0.0599	0.0784	0.5173	0.7884	0.8028	0.2745	0.3042	0.8618	0.0365
1971-74	OBS.	63	24	12	13	4	5	1	2	2
	EXP.		25.3	12.5	11.6	3.0	2.0	0.7	0.4	0.5
	OBS./EXP.		0.849	0.727	1.119	1.347	2.495	1.387	5.656	3.707
	RELATIVE RISK		1.000		1.392	1.676	3.104	1.700	7.036	4.611
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND,
PROB.	0.2786	0.3443	0.0670	0.3229	0.0743	0.1584	0.2189	0.0077	0.0325	0.0095
1975-78	OBS.	95	38	21	21	3	4	4	2	2
	EXP.		42.6	25.2	17.8	4.4	2.9	1.0	0.5	0.7
	OBS./EXP.		0.891	0.835	1.197	0.678	1.361	3.827	3.827	2.730
	RELATIVE RISK		1.000		1.375	0.779	1.564	4.397	4.397	3.136
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND,
PROB.	0.2124	0.6688	0.3770	0.0356	0.1664	0.2840	0.2825	0.0190	0.0054	0.0146

TABLE 16-10 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	151 32.4	31 32.4	45 53.7	35 31.1	18 12.3	8 10.7	8 5.5	3 2.4	3 3.0		
	OBS./EXP. RELATIVE RISK		0.956 1.000	0.838	1.126 1.278	1.467 1.662	0.749 0.848	1.459 1.633	1.234 1.398	1.012 1.146		
	TEST PROB.	AB=C? 0.2206	AB=D? 0.0895	AB=E? 0.6652	AB=F? 0.2233	AB=G? 0.4357	AB=H? 0.4192	AB=CD? 0.1097	AB=E-H? 0.3982	AB=FGH? 0.2258	HOMO. 0.4689	TREND. 0.2190
1950-54	OBS. EXP.	18 3.7	6 3.7	4 6.6	3 4.1	1 1.4	0 1.1	2 0.5	1 0.2	1 0.3		
	OBS./EXP. RELATIVE RISK		1.606 1.000	0.605	0.726 0.751	0.729 0.734	0.000 0.000	3.959 4.095	4.257 4.404	2.947 3.048		
	TEST PROB.	AB=C? 0.6862	AB=D? 0.6455	AB=E? 0.8474	AB=F? 0.2165	AB=G? 0.2646	AB=H? 0.2815	AB=CD? 0.6941	AB=E-H? 0.3116	AB=FGH? 0.0657	HOMO. 0.0947	TREND. 0.0205
1955-58	OBS. EXP.	11 2.0	2 2.0	4 4.4	3 2.6	2 0.8	0 0.6	0 0.3	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		1.016 1.000	0.906	1.133 1.205	2.469 2.626	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.4002	AB=D? 0.3776	AB=E? 0.8156	AB=F? 0.7904	AB=G? 0.7741	AB=H? 0.7756	AB=CD? 0.4298	AB=E-H? 0.8525	AB=FGH? 0.8131	HOMO. 0.8850	TREND. 0.7738
1959-62	OBS. EXP.	19 4.1	3 4.1	8 6.7	3 4.0	1 1.6	2 1.3	0 0.6	0 0.3	2 0.4		
	OBS./EXP. RELATIVE RISK		0.730 1.000	1.197	0.753 0.739	0.628 0.617	1.548 1.520	0.000 0.000	0.000 0.000	4.985 4.893		
	TEST PROB.	AB=C? 0.6918	AB=D? 0.6971	AB=E? 0.3791	AB=F? 0.8235	AB=G? 0.7918	AB=H? 0.1706	AB=CD? 0.7225	AB=E-H? 0.4537	AB=FGH? 0.3779	HOMO. 0.2730	TREND. 0.0954
1963-66	OBS. EXP.	26 5.5	5 5.5	8 9.3	4 5.3	5 2.1	1 1.8	3 0.9	0 0.4	0 0.5		
	OBS./EXP. RELATIVE RISK		0.901 1.000	0.863	0.749 0.854	2.342 2.669	0.549 0.625	3.192 3.638	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6231	AB=D? 0.1357	AB=E? 0.7224	AB=F? 0.1640	AB=G? 0.8025	AB=H? 0.8092	AB=CD? 0.3690	AB=E-H? 0.4164	AB=FGH? 0.4557	HOMO. 0.1733	TREND. 0.3481
1967-70	OBS. EXP.	22 5.0	4 5.0	6 7.4	7 4.3	3 1.9	0 1.7	2 0.9	0 0.4	0 0.5		
	OBS./EXP. RELATIVE RISK		0.798 1.000	0.808	1.643 2.064	1.612 2.005	0.000 0.000	2.188 2.721	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2107	AB=D? 0.3814	AB=E? 0.8757	AB=F? 0.4262	AB=G? 0.7946	AB=H? 0.8013	AB=CD? 0.1672	AB=E-H? 0.7298	AB=FGH? 0.3875	HOMO. 0.4530	TREND. 0.6775
1971-74	OBS. EXP.	26 5.8	4 5.8	10 9.2	4 5.1	5 2.3	2 1.9	1 1.0	0 0.4	0 0.5		
	OBS./EXP. RELATIVE RISK		0.692 1.000	1.090	0.788 0.842	2.358 2.519	1.041 1.112	1.004 1.073	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6353	AB=D? 0.1372	AB=E? 0.4367	AB=F? 0.4438	AB=G? 0.8009	AB=H? 0.8094	AB=CD? 0.3676	AB=E-H? 0.6690	AB=FGH? 0.7440	HOMO. 0.5742	TREND. 0.6607
1975-78	OBS. EXP.	29 6.5	7 6.5	5 9.9	11 5.6	1 2.4	3 2.3	0 1.2	2 0.5	0 0.6		
	OBS./EXP. RELATIVE RISK		1.075 1.000	0.503	1.973 2.709	0.412 0.565	1.316 1.806	0.000 0.000	3.839 5.266	0.000 0.000		
	TEST PROB.	AB=C? 0.0604	AB=D? 0.7157	AB=E? 0.3703	AB=F? 0.8323	AB=G? 0.1276	AB=H? 0.8018	AB=CD? 0.1342	AB=E-H? 0.3797	AB=FGH? 0.3873	HOMO. 0.0383	TREND. 0.5250

TABLE 16-11 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-11

WINDHEMIA, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	233	106	63	36	11	8	4	3	2
TOTAL	EXP.		103.5	63.1	40.9	11.0	8.2	2.8	1.3	2.2
	OBS./EXP.		1.024	0.998	0.880	1.003	0.976	1.447	2.319	0.893
	RELATIVE RISK		1.000		0.868	0.989	0.963	1.427	2.287	0.883
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7
	PROB.	0.7305	0.5631	0.5637	0.4169	0.2199	0.6045	0.7084	0.3810	0.2829
									0.8366	0.8366
										TREND.
										0.2560
1950-54	OBS.	33	16	11	6	0	0	0	0	0
EXP.			14.7	8.8	5.9	1.6	1.2	0.4	0.2	0.3
	OBS./EXP.		1.086	1.252	1.021	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.890	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7
	PROB.	0.6180	0.8851	0.8635	0.8012	0.7814	0.7959	0.7546	0.9041	0.8416
									0.7470	0.7470
										TREND.
										0.9272
1955-58	OBS.	30	16	8	2	2	1	1	0	0
EXP.			13.3	8.0	5.4	1.5	1.1	0.3	0.2	0.3
	OBS./EXP.		1.199	1.004	0.373	1.341	0.948	2.917	0.000	0.000
	RELATIVE RISK		1.000		0.331	1.191	0.842	2.591	0.000	0.000
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7
	PROB.	0.8995	0.3988	0.6194	0.2898	0.7795	0.7917	0.8464	0.5499	0.4006
									0.7196	0.7196
										TREND.
										0.6015
1959-62	OBS.	31	13	11	4	0	2	0	1	0
EXP.			13.8	8.2	5.5	1.6	1.1	0.4	0.2	0.3
	OBS./EXP.		0.945	1.362	0.724	0.000	1.777	0.000	6.145	0.000
	RELATIVE RISK		1.000		0.662	0.000	1.625	0.000	5.620	0.000
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7
	PROB.	0.7552	0.8837	0.3879	0.7987	0.2606	0.7908	0.3499	0.4276	0.3939
									0.2781	0.2781
										TREND.
										0.6440
1963-66	OBS.	31	17	7	5	1	0	1	0	0
EXP.			13.7	8.3	5.5	1.5	1.1	0.4	0.2	0.3
	OBS./EXP.		1.236	0.844	0.910	0.636	0.000	2.617	0.000	0.000
	RELATIVE RISK		1.000		0.836	0.603	0.000	2.403	0.000	0.000
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7
	PROB.	0.6509	0.7263	0.8566	0.2925	0.7785	0.7922	0.6934	0.7716	0.4049
									0.8074	0.8074
										TREND.
										0.7336
1967-70	OBS.	29	12	9	3	3	2	0	0	0
EXP.			12.9	7.8	5.1	1.4	1.0	0.4	0.2	0.3
	OBS./EXP.		0.933	1.150	0.588	2.153	1.998	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.529	2.121	1.968	0.000	0.000	0.000
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7
	PROB.	0.7868	0.2996	0.6282	0.7972	0.7776	0.7912	0.6023	0.4276	0.8328
									0.6879	0.6879
										TREND.
										0.6130
1971-74	OBS.	36	15	6	8	3	1	1	1	1
EXP.			16.0	9.9	6.3	1.6	1.2	0.4	0.2	0.4
	OBS./EXP.		0.939	0.609	1.264	1.864	0.809	2.283	4.890	2.791
	RELATIVE RISK		1.000		1.557	2.293	0.995	2.808	6.015	3.434
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7
	PROB.	0.2863	0.2796	0.4471	0.2844	0.2529	0.2750	0.1954	0.2248	0.1187
									0.3120	0.3120
										TREND.
										0.0168
1975-78	OBS.	43	17	11	8	2	2	1	1	1
EXP.			19.0	12.2	7.3	1.6	1.5	0.5	0.3	0.4
	OBS./EXP.		0.894	0.900	1.091	1.113	1.337	1.925	3.878	2.473
	RELATIVE RISK		1.000		1.216	1.240	1.189	2.144	4.320	2.755
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7
	PROB.	0.4435	0.3895	0.3819	0.3051	0.2662	0.2884	0.4190	0.2071	0.1976
									0.7746	0.7746
										TREND.
										0.0367

TABLE 16-12 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-12

HIROSHIMA, FEMALE, ALL AGES

YEAR	CLASS	T=45 TOTAL DOSE IN RAD								
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	211	82	55	39	14	10	5	2	4
TOTAL	EXP.		96.8	51.9	41.3	10.8	5.6	2.2	1.1	1.3
	OBS./EXP.		0.847	1.059	0.944	1.298	1.791	2.323	1.856	3.045
	RELATIVE RISK		1.000		1.024	1.409	1.945	2.523	2.015	3.307
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4777	0.2273	0.0904	0.1070	0.4487	0.0711	0.3547	0.0074	0.0163
									0.0167	0.0001
										TREND.
										0.0001
1950-54	OBS.	19	10	4	3	1	0	1	0	0
	EXP.		8.7	4.7	3.7	1.0	0.5	0.2	0.1	0.1
	OBS./EXP.		1.148	0.849	0.813	1.001	0.000	5.356	0.000	0.000
	RELATIVE RISK		1.000		0.780	0.960	0.000	5.134	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6692	0.5557	0.8092	0.2625	0.7714	0.7739	0.6534	0.4169	0.2937
									0.6997	0.4916
										TREND.
										0.4916
1955-58	OBS.	16	9	5	1	1	0	0	0	0
	EXP.		7.4	3.9	3.1	0.8	0.4	0.2	0.1	0.1
	OBS./EXP.		1.223	1.272	0.318	1.201	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.256	0.968	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8885	0.5501	0.8105	0.7815	0.7712	0.7733	0.8547	0.8403	0.8015
									0.8949	0.7970
										TREND.
										0.7970
1959-62	OBS.	36	12	11	5	6	1	0	0	1
	EXP.		16.6	8.8	7.1	1.9	0.9	0.3	0.2	0.2
	OBS./EXP.		0.721	1.244	0.707	3.185	1.163	0.000	0.000	5.451
	RELATIVE RISK		1.000		0.783	3.530	1.289	0.000	0.000	6.041
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6876	0.0356	0.3609	0.7911	0.7759	0.2581	0.3313	0.3814	0.3283
									0.0289	0.0481
										TREND.
										0.0481
1963-66	OBS.	30	13	10	5	0	0	1	0	1
	EXP.		14.0	7.4	5.8	1.5	0.7	0.3	0.2	0.2
	OBS./EXP.		0.931	1.351	0.863	0.000	0.000	3.271	0.000	5.560
	RELATIVE RISK		1.000		0.801	0.000	0.000	3.039	0.000	5.165
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6755	0.8762	0.8295	0.2813	0.7773	0.2617	0.7849	0.3824	0.3049
									0.2703	0.1223
										TREND.
										0.1223
1967-70	OBS.	31	8	9	7	6	3	0	0	0
	EXP.		14.3	7.5	6.1	1.5	0.8	0.3	0.2	0.2
	OBS./EXP.		0.561	1.194	1.143	2.589	3.542	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.466	3.321	4.544	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3464	0.0987	0.0796	0.7874	0.7732	0.7757	0.1665	0.2406	0.8100
									0.0667	0.2794
										TREND.
										0.2794
1971-74	OBS.	27	9	6	5	1	4	0	1	1
	EXP.		12.3	8.7	5.3	1.4	0.8	0.3	0.1	0.2
	OBS./EXP.		0.732	0.902	0.944	0.736	5.212	0.000	6.708	5.514
	RELATIVE RISK		1.000		1.193	0.930	6.585	0.000	8.474	6.967
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4254	0.5804	0.0107	0.7846	0.2528	0.2553	0.4303	0.0067	0.2065
									0.0014	0.0014
										TREND.
										0.0014
1975-78	OBS.	52	21	10	13	1	2	3	1	1
	EXP.		23.7	12.9	10.2	2.6	1.4	0.5	0.3	0.3
	OBS./EXP.		0.888	0.773	1.272	0.381	1.386	5.709	3.778	3.047
	RELATIVE RISK		1.000		1.502	0.449	1.636	6.739	4.459	3.596
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2293	0.7466	0.3921	0.0213	0.2661	0.2742	0.3367	0.0311	0.0090
									0.0118	0.0022
										TREND.
										0.0022

TABLE 16-13 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-13

NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-74 TOTAL	OBS. EXP.	87	16 21.0	23 27.6	16 16.2	10 7.9	7 7.2	7 3.6	3 1.6	3 2.0		
	OBS./EXP. RELATIVE RISK		0.763 1.000	0.907	0.989 1.171	1.264 1.495	0.977 1.156	1.936 2.291	1.831 2.166	1.518 1.797		
	TEST PROB.	AB=C? 0.3919	AB=D? 0.2444	AB=E? 0.4516	AB=F? 0.1069	AB=G? 0.2722	AB=H? 0.3758	AB=CD? 0.2754	AB=E-H? 0.1198	AB=FGH? 0.0583	HOMO, 0.4476	TREND, 0.0224
1950-54	OBS. EXP.	12	3 2.7	3 4.1	2 2.6	1 1.0	0 0.8	1 0.4	1 0.2	1 0.3		
	OBS./EXP. RELATIVE RISK		1.098 1.000	0.739	0.757 0.857	1.020 1.155	0.000 0.000	2.762 3.127	5.651 6.397	3.731 4.224		
	TEST PROB.	AB=C? 0.6216	AB=D? 0.3869	AB=E? 0.8274	AB=F? 0.2799	AB=G? 0.2556	AB=H? 0.2683	AB=CD? 0.5797	AB=E-H? 0.3565	AB=FGH? 0.1336	HOMO, 0.3131	TREND, 0.0205
1955-58	OBS. EXP.	3	0 0.7	0 1.0	2 0.7	1 0.2	0 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		0.000	0.000 X	2.999 X	4.032 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	AB=C? 0.1808	AB=D? 0.2398	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? 0.1225	AB=E-H? X	AB=FGH? X	HOMO, 0.4248	TREND, 0.5613
1959-62	OBS. EXP.	13	1 3.1	5 4.2	2 2.5	1 1.2	2 1.0	0 0.5	0 0.2	2 0.3		
	OBS./EXP. RELATIVE RISK		0.328 1.000	1.189	0.789 0.955	0.831 1.005	1.997 2.416	0.000 0.000	0.000 0.000	6.563 7.939		
	TEST PROB.	AB=C? 0.5413	AB=D? 0.4412	AB=E? 0.4414	AB=F? 0.8065	AB=G? 0.7832	AB=H? 0.0275	AB=CD? 0.5498	AB=E-H? 0.2518	AB=FGH? 0.4879	HOMO, 0.0767	TREND, 0.0167
1963-66	OBS. EXP.	14	4 3.4	3 4.4	2 2.6	2 1.3	0 1.2	3 0.6	0 0.3	0 0.3		
	OBS./EXP. RELATIVE RISK		1.180 1.000	0.677	0.779 0.870	1.551 1.733	0.000 0.000	5.154 5.757	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6020	AB=D? 0.3287	AB=E? 0.8577	AB=F? 0.0706	AB=G? 0.7897	AB=H? 0.7929	AB=CD? 0.4121	AB=E-H? 0.4009	AB=FGH? 0.2450	HOMO, 0.0762	TREND, 0.2681
1967-70	OBS. EXP.	15	3 3.7	6 4.6	1 2.6	3 1.4	0 1.3	2 0.7	0 0.3	0 0.3		
	OBS./EXP. RELATIVE RISK		0.804 1.000	1.313	0.383 0.354	2.132 1.985	0.000 0.000	2.749 2.554	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.0312	AB=D? 0.3491	AB=E? 0.8721	AB=F? 0.3964	AB=G? 0.7929	AB=H? 0.7986	AB=CD? 0.3457	AB=E-H? 0.7077	AB=FGH? 0.3798	HOMO, 0.3616	TREND, 0.5896
1971-74	OBS. EXP.	14	3 3.5	5 4.3	2 2.4	1 1.3	2 1.2	1 0.6	0 0.3	0 0.3		
	OBS./EXP. RELATIVE RISK		0.851 1.000	1.161	0.818 0.800	0.792 0.765	1.626 1.591	1.603 1.569	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6304	AB=D? 0.6357	AB=E? 0.3784	AB=F? 0.3286	AB=G? 0.7295	AB=H? 0.7951	AB=CD? 0.6609	AB=E-H? 0.4027	AB=FGH? 0.6230	HOMO, 0.9772	TREND, 0.5825
1975-78	OBS. EXP.	16	2 4.0	3 4.9	5 2.7	1 1.5	3 1.4	0 0.7	2 0.3	0 0.3		
	OBS./EXP. RELATIVE RISK		0.498 1.000	0.615	1.837 3.271	0.646 1.151	2.094 3.728	0.000 0.000	5.926 10.551	0.000 0.000		
	TEST PROB.	AB=C? 0.1342	AB=D? 0.3897	AB=E? 0.1704	AB=F? 0.8044	AB=G? 0.0449	AB=H? 0.7832	AB=CD? 0.1988	AB=E-H? 0.1443	AB=FGH? 0.4217	HOMO, 0.0382	TREND, 0.2019

TABLE 16-14 MALIGNANT NEOPLASMS OF OTHER OR UNSPECIFIED DIGESTIVE ORGANS

TABLE 16-14

NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	Y-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	64	15	20	19	8	1	1	0	0
TOTAL	EXP.		11.5	24.1	14.9	4.4	3.5	1.9	0.8	1.0
	OBS./EXP.		1.309	0.766	1.275	1.837	0.284	0.535	0.000	0.000
	RELATIVE RISK		1.000		1.369	1.972	0.305	0.575	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2482	0.1405	0.6589	0.7339	0.8269	0.8419	0.1478	0.9198	0.8678
									0.1517	0.9462
1950-54	OBS.	6	3	1	1	0	0	1	0	0
	EXP.		1.0	2.5	1.5	0.4	0.3	0.1	0.1	0.1
	OBS./EXP.		2.992	0.392	0.670	0.000	0.000	6.984	0.000	0.000
	RELATIVE RISK		1.000		0.595	0.000	0.000	6.201	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7195	0.8101	0.7999	0.2589	0.7695	0.7724	0.7723	0.3363	0.2784
									0.1371	0.3556
1955-58	OBS.	8	2	4	1	1	0	0	0	0
	EXP.		1.3	3.4	2.0	0.6	0.4	0.2	0.1	0.1
	OBS./EXP.		1.549	1.176	0.505	1.779	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.395	1.391	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8084	0.3536	0.8156	0.7904	0.7741	0.7756	0.7372	0.8525	0.8131
									0.9548	0.7830
1959-62	OBS.	6	2	3	1	0	0	0	0	0
	EXP.		1.1	2.5	1.5	0.4	0.3	0.2	0.1	0.1
	OBS./EXP.		1.886	1.210	0.689	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.488	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7657	0.8175	0.8069	0.7890	0.7729	0.7789	0.8144	0.8466	0.8136
									0.9548	0.8257
1963-66	OBS.	12	1	5	2	3	1	0	0	0
	EXP.		2.2	4.8	2.8	0.8	0.7	0.4	0.2	0.2
	OBS./EXP.		0.463	1.033	0.722	3.549	1.489	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.841	4.139	1.736	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6246	0.1313	0.3284	0.7984	0.7789	0.7640	0.3971	0.6394	0.8294
									0.4064	0.5799
1967-70	OBS.	7	1	0	4	0	0	0	0	0
	EXP.		1.3	2.9	1.7	0.5	0.3	0.2	0.1	0.1
	OBS./EXP.		0.780	0.000	3.633	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		15.033	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.0200	0.7827	0.7778	0.7705	0.7648	0.7674	0.0405	0.7965	0.7812
									0.0291	0.7475
1971-74	OBS.	12	1	5	2	4	0	0	0	0
	EXP.		2.3	4.9	2.6	0.8	0.7	0.4	0.2	0.2
	OBS./EXP.		0.444	1.026	0.761	4.757	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.904	5.650	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.5890	0.0408	0.8267	0.7998	0.7768	0.7804	0.2583	0.8696	0.8263
									0.0483	0.6957
1975-78	OBS.	13	5	2	6	0	0	0	0	0
	EXP.		2.5	5.1	2.8	0.9	0.8	0.4	0.2	0.2
	OBS./EXP.		2.006	0.395	2.106	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		2.275	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2023	0.8349	0.8302	0.8033	0.7785	0.7851	0.3230	0.8770	0.8336
									0.1620	0.9092

TABLE 17-1 MALIGNANT NEOPLASMS OF RESPIRATORY SYSTEM

TABLE 17-1

HIRASHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE (IN RAD)								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	564	200	153	110	32	37	14	8	10
TOTAL	EXP.		223.1	157.8	106.9	32.3	23.6	9.6	4.4	6.2
	OBS./EXP.		0.896	0.969	1.029	0.992	1.566	1.465	1.820	1.605
	RELATIVE RISK		1.000		1.110	1.070	1.690	1.581	1.965	1.732
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.2635	0.4464	0.0255	0.1711	0.1360	0.1655	0.2511	0.0040	0.0001
1950-54	OBS.	19	9	5	5	0	0	0	0	0
	EXP.		7.7	5.4	3.7	1.1	0.7	0.3	0.1	0.2
	OBS./EXP.		1.176	0.931	1.358	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.284	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4366	0.8571	0.8339	0.7936	0.7773	0.7262	0.5457	0.3742	0.8721
1955-58	OBS.	27	10	7	5	1	2	1	1	1
	EXP.		11.2	7.3	5.1	1.5	1.0	0.4	0.2	0.3
	OBS./EXP.		0.891	0.956	0.972	0.677	1.976	2.519	0.000	3.998
	RELATIVE RISK		1.000		1.061	0.738	2.156	2.748	0.000	4.363
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4473	0.6614	0.4821	0.2673	0.7790	0.2670	0.5504	0.1933	0.3505
1959-62	OBS.	72	20	21	15	6	8	0	1	1
	EXP.		28.2	20.1	13.7	4.4	3.0	1.2	0.6	0.8
	OBS./EXP.		0.709	1.043	1.094	1.373	2.655	0.000	1.814	1.239
	RELATIVE RISK		1.000		1.290	1.620	3.131	0.000	2.139	1.461
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3151	0.2699	0.0209	0.8408	0.2995	0.3389	0.2264	0.0775	0.5578
1963-66	OBS.	82	24	22	21	7	3	3	1	1
	EXP.		33.9	22.4	15.5	4.5	3.1	1.2	0.6	0.8
	OBS./EXP.		0.709	0.984	1.352	1.563	0.953	2.441	1.517	1.178
	RELATIVE RISK		1.000		1.652	1.910	1.165	2.982	2.220	1.439
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.1030	0.1606	0.4124	0.1806	0.3019	0.3587	0.0648	0.2194	0.2668
1967-70	OBS.	115	40	34	27	5	3	4	1	1
	EXP.		45.4	32.4	21.9	6.5	4.7	2.0	0.8	1.2
	OBS./EXP.		0.881	1.050	1.232	0.766	0.634	2.041	1.182	0.803
	RELATIVE RISK		1.000		1.294	0.805	0.667	2.145	1.242	0.844
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.2373	0.6843	0.7697	0.2455	0.3876	0.6404	0.3124	0.4724	0.3244
1971-74	OBS.	117	48	25	22	6	11	1	2	2
	EXP.		45.5	32.8	22.3	6.8	5.1	2.2	0.9	1.3
	OBS./EXP.		1.055	0.762	0.985	0.876	2.137	0.464	2.107	1.584
	RELATIVE RISK		1.000		1.057	0.940	2.293	0.498	2.260	1.700
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4871	0.5734	0.0534	0.7706	0.4061	0.3917	0.4717	0.0884	0.4423
1975-78	OBS.	132	49	39	15	7	10	5	3	4
	EXP.		51.7	37.2	24.8	7.6	6.0	2.4	1.1	1.4
	OBS./EXP.		0.948	1.049	0.611	0.919	1.656	2.068	2.703	2.869
	RELATIVE RISK		1.000		0.617	0.928	1.672	2.089	2.730	2.897
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.9082	0.6187	0.1883	0.2155	0.2173	0.1232	0.8811	0.0283	0.0344

TABLE 18-1 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	459	156 182.4	125 127.9	88 86.8	27 26.3	35 19.2	12 7.7	8 3.6	8 5.1		
	OBS./EXP. RELATIVE RISK		0.855 1.000	0.977 1.000	1.014 1.119	1.028 1.135	1.822 2.012	1.555 1.717	2.236 2.469	1.532 1.748		
	TEST PROB.	AB=C? 0.2673	AB=D? 0.3770	AB=E? 0.0051	AB=F? 0.1627	AB=G? 0.0610	AB=H? 0.1981	AB=CD? 0.2304	AB=E-H? 0.0007	AB=FGH? 0.0190	HOMO, 0.0003	TREND, 0.0000
1950-54	OBS. EXP.	9	4 3.4	2 2.6	3 1.8	0 0.5	0 0.3	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.186 1.000	0.759 1.000	1.657 1.660	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.4340	AB=D? 0.8208	AB=E? 0.8059	AB=F? 0.7816	AB=G? 0.7715	AB=H? 0.7762	AB=CD? 0.3967	AB=E-H? 0.3378	AB=FGH? 0.8040	HOMO, 0.9422	TREND, 0.7875
1955-58	OBS. EXP.	15	5 6.2	4 4.1	3 2.9	0 0.8	2 0.6	0 0.2	0 0.1	1 0.1		
	OBS./EXP. RELATIVE RISK		0.801 1.000	0.981 1.000	1.048 1.202	0.000 0.000	3.621 4.153	0.000 0.000	0.000 0.000	6.753 7.745		
	TEST PROB.	AB=C? 0.4083	AB=D? 0.8284	AB=E? 0.2146	AB=F? 0.7828	AB=G? 0.7717	AB=H? 0.2546	AB=CD? 0.5942	AB=E-H? 0.1593	AB=FGH? 0.2913	HOMO, 0.1822	TREND, 0.0342
1959-62	OBS. EXP.	53	16 21.8	13 14.4	11 9.9	5 3.1	7 2.1	0 0.8	1 0.4	0 0.5		
	OBS./EXP. RELATIVE RISK		0.733 1.000	0.906 1.000	1.107 1.381	1.620 2.023	3.371 4.207	0.000 0.000	2.682 3.347	0.000 0.000		
	TEST PROB.	AB=C? 0.2936	AB=D? 0.1945	AB=E? 0.0095	AB=F? 0.8154	AB=G? 0.2763	AB=H? 0.8010	AB=CD? 0.1784	AB=E-H? 0.0636	AB=FGH? 0.8611	HOMO, 0.0158	TREND, 0.1430
1963-66	OBS. EXP.	70	21 29.2	20 18.9	15 13.3	6 3.8	3 2.6	3 1.0	1 0.5	1 0.7		
	OBS./EXP. RELATIVE RISK		0.720 1.000	1.056 1.000	1.131 1.327	1.576 1.849	1.132 1.329	2.930 3.438	2.198 2.579	1.417 1.662		
	TEST PROB.	AB=C? 0.2882	AB=D? 0.2402	AB=E? 0.4093	AB=F? 0.1536	AB=G? 0.2944	AB=H? 0.3417	AB=CD? 0.1000	AB=E-H? 0.1691	AB=FGH? 0.1335	HOMO, 0.2726	TREND, 0.0291
1967-70	OBS. EXP.	95	31 37.3	28 26.7	23 18.1	4 5.5	3 4.0	4 1.6	1 0.7	1 1.0		
	OBS./EXP. RELATIVE RISK		0.830 1.000	1.049 1.000	1.269 1.377	0.730 0.793	0.752 0.816	2.429 2.636	1.411 1.532	0.974 1.057		
	TEST PROB.	AB=C? 0.2049	AB=D? 0.6776	AB=E? 0.6889	AB=F? 0.1624	AB=G? 0.3408	AB=H? 0.4700	AB=CD? 0.2903	AB=E-H? 0.3946	AB=FGH? 0.2034	HOMO, 0.4624	TREND, 0.2102
1971-74	OBS. EXP.	96	37 37.1	22 27.0	19 18.4	5 5.7	10 4.2	0 1.8	2 0.8	1 1.0		
	OBS./EXP. RELATIVE RISK		0.994 1.000	0.816 1.000	1.035 1.125	0.883 0.960	2.364 2.571	0.000 0.000	2.566 2.791	0.967 1.052		
	TEST PROB.	AB=C? 0.4201	AB=D? 0.5562	AB=E? 0.0414	AB=F? 0.8771	AB=G? 0.3157	AB=H? 0.4546	AB=CD? 0.4435	AB=E-H? 0.1095	AB=FGH? 0.5823	HOMO, 0.0810	TREND, 0.1611
1975-78	OBS. EXP.	121	42 47.7	36 33.9	14 22.4	7 7.0	10 5.5	5 2.2	3 1.0	4 1.3		
	OBS./EXP. RELATIVE RISK		0.880 1.000	1.061 1.000	0.625 0.654	1.003 1.050	1.821 1.906	2.282 2.388	2.937 3.074	3.145 3.292		
	TEST PROB.	AB=C? 0.8719	AB=D? 0.4652	AB=E? 0.1194	AB=F? 0.1564	AB=G? 0.1762	AB=H? 0.0871	AB=CD? 0.8187	AB=E-H? 0.0108	AB=FGH? 0.0165	HOMO, 0.0029	TREND, 0.0000

TABLE 18-2 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-2

MIYOSHIJIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T=65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	2	1 0.9	1 0.5	0 0.4	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		1.070 1.000	1.843	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8241	AB=D? 0.7773	AB=E? 0.7698	AB=F? 0.7643	AB=G? 0.7620	AB=H? 0.7625	AB=I? 0.8351	AB=E-H? 0.7772	AB=FGH? 0.7682	HOMO. 0.9961	TREND. 0.6401
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1955-58	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1959-62	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1963-66	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1967-70	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1971-74	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1975-78	OBS. EXP.	2	1 0.9	1 0.5	0 0.4	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		1.069 1.000	1.843	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8241	AB=D? 0.7773	AB=E? 0.7698	AB=F? 0.7643	AB=G? 0.7620	AB=H? 0.7625	AB=I? 0.8351	AB=E-H? 0.7772	AB=FGH? 0.7682	HOMO. 0.9961	TREND. 0.6402

TABLE 18-3 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	15	2	4	2	1	2	1	1	2
TOTAL	EXP.		5.4	6.7	2.4	0.8	0.9	0.4	0.2	0.2
	OBS./EXP. RELATIVE RISK		0.372 1.000	0.851	0.833 1.399	1.220 2.048	2.222 3.730	2.331 3.913	6.006 10.082	9.414 15.802
	TEST PROB.	AB=CD?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH? HQHQ, TREND,
		0.3739	0.3219	0.3283	0.2726	0.2512	0.0264	0.4150	0.0153	0.0112 0.0010 0.0000
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP. RELATIVE R									
	TEST PROB.	AB=CD?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH? HQHQ, TREND,
		X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP. RELATIVE R									
	TEST PROB.	AB=CD?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH? HQHQ, TREND,
		X	X	X	X	X	X	X	X	X
1959-62	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP. RELATIVE R									
	TEST PROB.	AB=CD?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH? HQHQ, TREND,
		X	X	X	X	X	X	X	X	X
1963-66	OBS.	1	0	1	0	0	0	0	0	0
	EXP.		0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 1.000	3.121	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=CD?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH? HQHQ, TREND,
		0.7961	0.7690	0.7680	0.7638	0.7623	0.7639	0.8029	0.7766	0.7693 0.9529 0.6141
1967-70	OBS.	2	0	1	1	0	0	0	0	0
	EXP.		0.7	0.6	0.3	0.1	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.707	2.937 3.730	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=CD?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH? HQHQ, TREND,
		0.2728	0.7895	0.7977	0.7809	0.7661	0.7662	0.2872	0.8217	0.7910 0.9153 0.6340
1971-74	OBS.	2	1	0	0	0	1	0	0	0
	EXP.		0.7	0.7	0.3	0.1	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.498 1.000	0.000	0.000 0.000	0.000 0.000	7.336 9.716	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=CD?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH? HQHQ, TREND,
		0.7961	0.7691	0.2473	0.7638	0.7624	0.7638	0.8031	0.2566	0.7692 0.4425 0.3201
1975-78	OBS.	10	1	2	1	1	1	1	1	2
	EXP.		3.6	3.1	1.6	0.6	0.6	0.3	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.279 1.000	0.639	0.618 1.383	1.818 6.068	1.684 3.769	3.628 8.117	9.207 20.602	14.122 31.601
	TEST PROB.	AB=CD?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH? HQHQ, TREND,
		0.3507	0.2825	0.2762	0.2552	0.2456	0.0066	0.3715	0.0069	0.0016 0.0000 0.0000

TABLE 18-4 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	51	19	12	8	1	6	3	1	1
	EXP.		19.4	14.7	9.2	3.0	2.3	1.2	0.6	0.7
	OBS./EXP. RELATIVE RISK		0.982 1.000	0.817	0.870 0.955	0.330 0.362	2.570 2.861	2.606 2.861	1.770 1.943	1.453 1.595
	TEST PROB.	AB=C? 0.5696	AB=D? 0.8130	AB=E? 0.0794	AB=F? 0.1702	AB=G? 0.3014	AB=H? 0.3230	AB=I? 0.6848	AB=E-H? 0.0406	AB=FGH? HOMO. 0.1382 0.1208
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0
	OBS./EXP. RELATIVE R									
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? HOMO. X
1955-58	OBS. EXP.	2	1	1	0	0	0	0	0	0
	RELATIVE RISK		0.6	0.6	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.558 1.000	1.576	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8377	AB=D? 0.7954	AB=E? 0.7871	AB=F? 0.7741	AB=G? 0.7672	AB=H? 0.7690	AB=I? 0.8557	AB=E-H? 0.8098	AB=FGH? HOMO. 0.7878 0.7919
1959-62	OBS. EXP.	3	3	0	0	0	0	0	0	0
	RELATIVE RISK		1.1	0.9	0.6	0.2	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		2.769 1.000	0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2493	AB=D? 0.7950	AB=E? 0.7902	AB=F? 0.7757	AB=G? 0.7681	AB=H? 0.7699	AB=I? 0.8674	AB=E-H? 0.8148	AB=FGH? HOMO. 0.7908 0.5814
1963-66	OBS. EXP.	4	1	2	1	0	0	0	0	0
	RELATIVE RISK		1.8	1.1	0.7	0.2	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.560 1.000	1.880	1.398 1.328	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3627	AB=D? 0.7876	AB=E? 0.7774	AB=F? 0.7678	AB=G? 0.7645	AB=H? 0.7667	AB=I? 0.4455	AB=E-H? 0.7930	AB=FGH? HOMO. 0.7778 0.9738
1967-70	OBS. EXP.	6	1	2	2	0	1	0	0	0
	RELATIVE RISK		2.2	1.7	1.1	0.4	0.3	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.447 1.000	1.151	1.891 2.504	0.000 0.000	3.355 4.443	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4371	AB=D? 0.7875	AB=E? 0.2627	AB=F? 0.7676	AB=G? 0.7645	AB=H? 0.7666	AB=I? 0.3736	AB=E-H? 0.2924	AB=FGH? HOMO. 0.7776 0.7877
1971-74	OBS. EXP.	12	4	2	3	0	1	0	1	1
	RELATIVE RISK		4.4	3.5	2.2	0.7	0.6	0.3	0.1	0.2
	OBS./EXP. RELATIVE RISK		0.905 1.000	0.566	1.361 1.804	0.000 0.000	1.796 2.381	0.000 0.000	7.410 9.823	6.120 8.113
	TEST PROB.	AB=C? 0.4607	AB=D? 0.8215	AB=E? 0.2998	AB=F? 0.7905	AB=G? 0.2521	AB=H? 0.2557	AB=I? 0.3964	AB=E-H? 0.1635	AB=FGH? HOMO. 0.2130 0.0943
1975-78	OBS. EXP.	24	9	5	2	1	4	3	0	0
	RELATIVE RISK		9.2	4.8	4.3	1.5	1.1	0.5	0.3	0.3
	OBS./EXP. RELATIVE RISK		0.979 1.000	0.733	0.468 0.535	0.685 0.784	3.597 4.115	5.525 6.321	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7734	AB=D? 0.5904	AB=E? 0.0654	AB=F? 0.0280	AB=G? 0.7826	AB=H? 0.7871	AB=I? 0.7498	AB=E-H? 0.0424	AB=FGH? HOMO. 0.1672 0.3031

TABLE 18-5 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

		T=65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
			A	B	C	D	E	F	G	H		
1950-78	OBS.	252	93	66	42	21	15	5	6	4		
TOTAL	EXP.		101.1	68.3	47.4	14.5	11.3	4.3	2.0	3.0		
	OBS./EXP.		0.920	0.966	0.884	1.453	1.322	1.169	2.944	1.313		
	RELATIVE RISK		1.000		0.944	1.548	1.409	1.246	3.137	1.399		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	MONO.	TREND.
	PROB.	0.6114	0.1217	0.2373	0.4355	0.0510	0.4635	0.3691	0.0809	0.1240	0.0523	0.0062
1950-54	OBS.	2	2	0	0	0	0	0	0	0		
	EXP.		0.7	0.6	0.4	0.1	0.1	0.0	0.0	0.0		
	OBS./EXP.		2.893	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	MONO.	TREND.
	PROB.	0.8377	0.7967	0.7898	0.7748	0.7687	0.7710	0.8585	0.8149	0.7915	0.7809	0.7913
1955-58	OBS.	6	3	1	1	0	0	0	0	1		
	EXP.		2.7	1.5	1.1	0.3	0.2	0.1	0.0	0.1		
	OBS./EXP.		1.114	0.664	0.877	0.000	0.000	0.000	0.000	15.965		
	RELATIVE RISK		1.000		0.920	0.000	0.000	0.000	0.000	19.908		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	MONO.	TREND.
	PROB.	0.5896	0.7957	0.7838	0.7689	0.7646	0.2651	0.6706	0.2825	0.2567	0.0127	0.0044
1959-62	OBS.	23	6	6	3	3	4	0	1	0		
	EXP.		9.3	6.2	4.3	1.4	1.1	0.4	0.2	0.3		
	OBS./EXP.		0.647	0.973	0.704	2.203	3.771	0.000	5.197	0.000		
	RELATIVE RISK		1.000		0.906	2.835	4.852	0.000	6.687	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	MONO.	TREND.
	PROB.	0.5837	0.1879	0.0267	0.7879	0.2550	0.7815	0.4072	0.0653	0.3315	0.0247	0.0602
1963-66	OBS.	36	11	10	6	5	2	1	1	0		
	EXP.		14.9	9.7	6.7	2.0	1.6	0.6	0.2	0.4		
	OBS./EXP.		0.739	1.033	0.900	2.556	1.264	1.773	4.024	0.000		
	RELATIVE RISK		1.000		1.052	2.989	1.478	2.973	4.705	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	MONO.	TREND.
	PROB.	0.4452	0.1106	0.3805	0.3099	0.2666	0.8000	0.2815	0.3543	0.4062	0.2420	0.1478
1967-70	OBS.	57	21	15	11	4	1	3	1	1		
	EXP.		22.6	15.7	10.8	3.2	2.6	1.0	0.4	0.7		
	OBS./EXP.		0.930	0.958	1.017	1.241	0.384	3.022	2.307	1.431		
	RELATIVE RISK		1.000		1.081	1.318	0.408	3.209	2.450	1.520		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	MONO.	TREND.
	PROB.	0.4538	0.4462	0.8232	0.1845	0.2962	0.3519	0.6344	0.4753	0.1522	0.5034	0.1114
1971-74	OBS.	57	27	11	11	4	3	0	1	0		
	EXP.		22.7	15.4	10.8	3.3	2.6	1.0	0.5	0.6		
	OBS./EXP.		1.188	0.712	1.016	1.221	1.147	0.000	2.202	0.000		
	RELATIVE RISK		1.000		1.021	1.226	1.153	0.000	2.212	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	MONO.	TREND.
	PROB.	0.4657	0.4266	0.4127	0.8449	0.2988	0.8197	0.4582	0.6219	0.7671	0.6994	0.7140
1975-78	OBS.	71	23	23	10	5	5	1	2	2		
	EXP.		28.6	19.3	13.3	4.1	3.3	1.2	0.5	0.7		
	OBS./EXP.		0.805	1.191	0.751	1.226	1.515	0.850	3.792	2.769		
	RELATIVE RISK		1.000		0.782	1.276	1.577	0.885	3.947	2.882		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	MONO.	TREND.
	PROB.	0.7264	0.4389	0.3501	0.6585	0.2685	0.3379	0.6341	0.1719	0.2477	0.1672	0.0103

TABLE 18-6 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-6

MIYOSHIKAWA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	1-65 TOTAL DOSE IN RAD										
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
		A	B	C	D	E	F	G	H			
1950-78	OBS.	139	41	42	36	4	12	3	0	1		
TOTAL	EXP.		55.7	39.7	27.5	7.9	4.6	1.8	0.8	1.1		
	OBS./EXP.		0.737	1.059	1.310	0.508	2.619	1.629	0.000	0.911		
	RELATIVE RISK		1.000		1.505	0.583	3.008	1.870	0.000	1.046		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.0785	0.8154	0.0111	0.3680	0.8247	0.5281	0.1708	0.0410	0.4228	0.0920	0.0900
1950-54	OBS.	7	2	2	3	0	0	0	0	0		
	EXP.		2.7	2.1	1.4	0.4	0.2	0.1	0.0	0.1		
	OBS./EXP.		0.746	0.962	2.110	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		2.511	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3225	0.8009	0.7884	0.7721	0.7655	0.7493	0.4416	0.3086	0.7849	0.9069	0.6967
1955-58	OBS.	7	1	2	2	0	2	0	0	0		
	EXP.		2.9	1.9	1.3	0.4	0.2	0.1	0.0	0.1		
	OBS./EXP.		0.344	1.033	1.504	0.000	8.163	0.000	0.000	0.000		
	RELATIVE RISK		1.000		2.429	0.000	13.188	0.000	0.000	0.000		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4045	0.7887	0.0362	0.7671	0.7634	0.7653	0.3666	0.1141	0.7748	0.0380	0.1501
1959-62	OBS.	27	7	7	8	2	3	0	0	0		
	EXP.		11.5	7.3	5.1	1.6	0.9	0.3	0.1	0.2		
	OBS./EXP.		0.609	0.963	1.562	1.235	3.401	0.000	0.000	0.000		
	RELATIVE RISK		1.000		2.091	1.721	4.555	0.000	0.000	0.000		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.1458	0.3946	0.1081	0.7880	0.7727	0.7781	0.1356	0.2895	0.8103	0.2277	0.3101
1963-66	OBS.	29	9	7	8	1	1	2	0	1		
	EXP.		12.1	7.9	5.7	1.6	0.9	0.4	0.2	0.2		
	OBS./EXP.		0.747	0.889	1.396	0.617	1.085	5.013	0.000	4.419		
	RELATIVE RISK		1.000		1.739	0.769	1.351	6.245	0.000	5.505		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.2259	0.6602	0.3676	0.1350	0.7774	0.2653	0.2807	0.1878	0.1195	0.1219	0.0145
1967-70	OBS.	30	9	10	9	0	1	1	0	0		
	EXP.		11.8	8.7	5.9	1.8	0.9	0.4	0.2	0.2		
	OBS./EXP.		0.760	1.150	1.521	0.000	1.059	2.322	0.000	0.000		
	RELATIVE RISK		1.000		1.645	0.000	1.145	2.511	0.000	0.000		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.2481	0.8809	0.4048	0.2930	0.7798	0.7824	0.4217	0.3941	0.3705	0.6026	0.5627
1971-74	OBS.	25	5	9	5	1	5	0	0	0		
	EXP.		9.3	7.4	5.0	1.6	0.9	0.4	0.2	0.2		
	OBS./EXP.		0.535	1.221	0.994	0.644	5.421	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.187	0.769	6.470	0.000	0.000	0.000		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4292	0.6494	0.0125	0.7996	0.7768	0.7799	0.4294	0.0973	0.8255	0.0025	0.1436
1975-78	OBS.	14	8	5	1	0	0	0	0	0		
	EXP.		5.4	4.1	2.8	0.8	0.4	0.2	0.1	0.1		
	OBS./EXP.		1.477	1.213	0.351	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.258	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.8862	0.8548	0.8239	0.7912	0.7775	0.7741	0.9222	0.8592	0.8146	0.7399	0.9055

TABLE 18-7 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	276	101	74	48	16	21	7	2	7
TOTAL	EXP.		108.2	77.3	50.1	16.2	13.2	5.1	2.4	3.8
	OBS./EXP.		0.933	0.958	0.958	0.988	1.395	1.371	0.848	1.948
	RELATIVE RISK		1.000		1.016	1.047	1.690	1.453	0.899	2.064
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4797	0.4625	0.0740	0.3212	0.5162	0.1332	0.4673	0.0437	0.1619	0.2159
	TREND.									0.0075
1950-54	OBS.	6	3	1	0	0	0	0	0	0
EXP.			1.4	1.2	0.8	0.3	0.2	0.1	0.0	0.1
	OBS./EXP.		2.221	0.826	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.8719	0.8108	0.8010	0.7795	0.7704	0.7750	0.8939	0.8313	0.8604	0.8155
	TREND.									0.8244
1955-58	OBS.	9	1	3	2	0	2	0	0	1
EXP.			3.8	2.5	1.7	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		0.263	1.214	1.196	0.000	5.853	0.000	0.000	10.871
	RELATIVE RISK		1.000		1.869	0.000	9.145	0.000	0.000	16.984
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.3732	0.7945	0.0616	0.7688	0.7643	0.2455	0.3723	0.0304	0.2567	0.0055
	TREND.									0.0020
1959-62	OBS.	36	10	9	8	4	4	0	1	0
EXP.			14.5	10.1	6.6	2.2	1.6	0.6	0.3	0.4
	OBS./EXP.		0.701	0.895	1.216	1.840	2.488	0.000	3.539	0.000
	RELATIVE RISK		1.000		1.557	2.356	3.187	0.000	4.596	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.2675	0.1763	0.1066	0.8004	0.2636	0.7918	0.1521	0.2034	0.4365	0.1982
	TREND.									0.2259
1963-66	OBS.	45	14	14	7	4	2	3	0	1
EXP.			18.1	12.5	6.3	2.5	2.0	0.7	0.3	0.6
	OBS./EXP.		0.772	1.123	0.847	1.579	1.001	4.064	0.000	1.811
	RELATIVE RISK		1.000		0.925	1.725	1.093	4.440	0.000	1.978
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.5793	0.3551	0.4176	0.0233	0.7925	0.3136	0.4674	0.2365	0.1628	0.1932
	TREND.									0.0576
1967-70	OBS.	58	24	16	11	1	3	2	0	1
EXP.			23.3	15.8	10.6	3.4	2.7	1.1	0.4	0.7
	OBS./EXP.		1.032	1.012	1.039	0.295	1.098	1.894	0.000	1.383
	RELATIVE RISK		1.000		1.015	0.288	1.072	1.850	0.000	1.350
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4704	0.8657	0.4640	0.4129	0.8052	0.3619	0.6788	0.4361	0.4111	0.8700
	TREND.									0.4277
1971-74	OBS.	55	23	11	12	3	5	0	0	1
EXP.			21.1	15.3	10.2	3.4	2.8	1.1	0.5	0.7
	OBS./EXP.		1.091	0.721	1.178	0.894	1.787	0.000	0.000	1.416
	RELATIVE RISK		1.000		1.259	0.956	1.909	0.000	0.000	1.513
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.3635	0.5543	0.2501	0.8471	0.8056	0.3394	0.3976	0.4679	0.7736	0.6320
	TREND.									0.4995
1975-78	OBS.	69	26	20	8	4	5	2	1	3
EXP.			26.4	19.5	12.2	4.2	3.7	1.4	0.7	0.8
	OBS./EXP.		0.983	1.023	0.653	0.957	1.365	1.395	1.520	3.632
	RELATIVE RISK		1.000		0.653	0.957	1.364	1.395	1.519	3.631
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.8220	0.5897	0.4523	0.3887	0.3553	0.1266	0.7849	0.2130	0.2053	0.3133
	TREND.									0.0099

TABLE 18-8 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE (M RAD)								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	183	55 74.2	51 50.7	40 36.7	11 10.1	14 6.0	5 2.6	6 1.2	1 1.5
	OBS./EXP. RELATIVE RISK		0.741 1.000	1.007	1.089 1.282	1.093 1.287	2.317 2.730	1.914 2.255	4.918 5.790	0.684 0.806
	TEST PROB.	AB=C? 0.1927	AB=D? 0.3538	AB=E? 0.0110	AB=F? 0.1807	AB=G? 0.0020	AB=H? 0.6529	AB=I? 0.1639	AB=E+H? 0.0011	AB=FGH? HOMO. 0.0201
										TREND. 0.0001
1950-54	OBS. EXP.	5	1 2.0	1 1.4	3 1.0	0 0.3	0 0.1	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.494 1.000	0.702	2.931 5.054	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.1720	AB=D? 0.7829	AB=E? 0.7717	AB=F? 0.7647	AB=G? 0.7625	AB=H? 0.7629	AB=I? 0.2367	AB=E+H? 0.7802	AB=FGH? HOMO. 0.7694
										TREND. 0.6167
1955-58	OBS. EXP.	6	4 2.5	1 1.6	1 1.2	0 0.3	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		1.621 1.000	0.623	0.840 0.684	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6861	AB=D? 0.8086	AB=E? 0.7962	AB=F? 0.7774	AB=G? 0.7691	AB=H? 0.7713	AB=I? 0.7473	AB=E+H? 0.5227	AB=FGH? HOMO. 0.7944
										TREND. 0.9574
1959-62	OBS. EXP.	17	6 7.6	4 4.3	3 3.4	1 0.9	3 0.5	0 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		0.793 1.000	0.931	0.893 1.059	1.097 1.302	6.393 7.586	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4365	AB=D? 0.3730	AB=E? 0.0326	AB=F? 0.7827	AB=G? 0.7718	AB=H? 0.7736	AB=I? 0.4223	AB=E+H? 0.1381	AB=FGH? HOMO. 0.8030
										TREND. 0.0423
1963-66	OBS. EXP.	25	7 11.0	6 4.5	8 5.0	2 1.3	1 0.7	0 0.3	1 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		0.634 1.000	0.927	1.602 2.159	1.570 2.115	1.536 2.069	0.000 0.000	7.584 10.216	0.000 0.000
	TEST PROB.	AB=C? 0.1515	AB=D? 0.4315	AB=E? 0.3130	AB=F? 0.7673	AB=G? 0.2525	AB=H? 0.7740	AB=I? 0.1285	AB=E+H? 0.4274	AB=FGH? HOMO. 0.3057
										TREND. 0.1808
1967-70	OBS. EXP.	37	7 14.1	12 10.9	12 7.5	3 2.1	0 1.3	2 0.6	1 0.3	0 0.3
	OBS./EXP. RELATIVE RISK		0.497 1.000	1.103	1.592 2.091	1.440 1.892	0.000 0.000	3.386 4.448	3.747 4.923	0.000 0.000
	TEST PROB.	AB=C? 0.0995	AB=D? 0.3779	AB=E? 0.8477	AB=F? 0.2171	AB=G? 0.2648	AB=H? 0.7860	AB=I? 0.0866	AB=E+H? 0.4581	AB=FGH? HOMO. 0.1677
										TREND. 0.0499
1971-74	OBS. EXP.	41	14 16.1	11 11.8	7 8.2	2 2.3	5 1.4	0 0.6	2 0.3	0 0.3
	OBS./EXP. RELATIVE RISK		0.871 1.000	0.935	0.856 0.953	0.866 0.964	3.493 3.889	0.000 0.000	7.036 7.432	0.000 0.000
	TEST PROB.	AB=C? 0.5752	AB=D? 0.5540	AB=E? 0.0510	AB=F? 0.8173	AB=G? 0.0715	AB=H? 0.7930	AB=I? 0.5660	AB=E+H? 0.0653	AB=FGH? HOMO. 0.3978
										TREND. 0.0039
1975-78	OBS. EXP.	52	16 21.3	16 14.4	6 10.2	3 2.8	5 1.8	3 0.8	2 0.4	1 0.4
	OBS./EXP. RELATIVE RISK		0.753 1.000	1.112	0.590 0.657	1.071 1.193	2.737 3.048	3.962 4.413	5.506 6.133	2.244 2.499
	TEST PROB.	AB=C? 0.7854	AB=D? 0.4110	AB=E? 0.0706	AB=F? 0.0751	AB=G? 0.0977	AB=H? 0.2879	AB=I? 0.7212	AB=E+H? 0.0047	AB=FGH? HOMO. 0.0138
										TREND. 0.0011

TABLE 18-9 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR CLASS		T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	353	133	86	75	21	21	6	5	6
	EXP.		159.0	91.2	85.3	17.3	11.5	3.9	1.8	2.9
	OBS./EXP. RELATIVE RISK		0.836 1.000	0.943	1.148 1.312	1.211 1.384	1.827 2.087	1.543 1.763	2.736 3.126	2.062 2.356
	TEST PROB.	AB=C? 0.0808	AB=D? 0.1801	AB=E? 0.0145	AB=F? 0.2244	AB=G? 0.0574	AB=H? 0.1085	AB=CD? 0.0551	AB=E+H? 0.0012	AB=FGH? 0.0143
									MONO. 0.0009	TREND. 0.0000
1950-54	OBS. EXP.	6	3 2.8	1 1.5	2 1.1	0 0.3	0 0.2	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.090 1.000	0.652	1.774 1.902	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3792	AB=D? 0.7947	AB=E? 0.7815	AB=F? 0.7676	AB=G? 0.7640	AB=H? 0.7656	AB=CD? 0.3695	AB=E+H? 0.7955	AB=FGH? 0.7784
									MONO. 0.9833	TREND. 0.6747
1955-58	OBS. EXP.	13	5 5.8	3 3.4	2 2.4	0 0.7	2 0.4	0 0.1	0 0.1	1 0.1
	OBS./EXP. RELATIVE RISK		0.857 1.000	0.895	0.829 0.952	0.000 0.000	4.743 5.446	0.000 0.000	0.000 0.000	9.227 10.594
	TEST PROB.	AB=C? 0.5728	AB=D? 0.8186	AB=E? 0.1538	AB=F? 0.7753	AB=G? 0.7679	AB=H? 0.2509	AB=CD? 0.6779	AB=E+H? 0.1021	AB=FGH? 0.2757
									MONO. 0.0452	TREND. 0.0087
1959-62	OBS. EXP.	44	15 19.8	11 11.3	10 8.1	4 2.3	4 1.4	0 0.5	0 0.2	0 0.3
	OBS./EXP. RELATIVE RISK		0.758 1.000	0.969	1.230 1.474	1.755 2.103	2.833 3.393	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2770	AB=D? 0.2377	AB=E? 0.0892	AB=F? 0.8003	AB=G? 0.7808	AB=H? 0.7903	AB=CD? 0.1826	AB=E+H? 0.2795	AB=FGH? 0.8366
									MONO. 0.2753	TREND. 0.4321
1963-66	OBS. EXP.	59	20 26.7	14 15.2	15 10.9	4 2.9	3 1.9	2 0.7	1 0.3	0 0.5
	OBS./EXP. RELATIVE RISK		0.749 1.000	0.924	1.373 1.691	1.336 1.707	1.575 1.940	3.032 3.733	3.545 4.365	0.000 0.000
	TEST PROB.	AB=C? 0.1388	AB=D? 0.3313	AB=E? 0.3479	AB=F? 0.2291	AB=G? 0.2682	AB=H? 0.8001	AB=CD? 0.1148	AB=E+H? 0.1501	AB=FGH? 0.2294
									MONO. 0.2258	TREND. 0.0914
1967-70	OBS. EXP.	71	28 32.1	16 18.1	18 13.3	4 3.5	1 2.4	2 0.8	1 0.3	1 0.6
	OBS./EXP. RELATIVE RISK		0.873 1.000	0.882	1.358 1.550	1.148 1.310	0.425 0.485	2.505 2.858	3.022 3.448	1.715 1.957
	TEST PROB.	AB=C? 0.1542	AB=D? 0.4551	AB=E? 0.7727	AB=F? 0.3051	AB=G? 0.2735	AB=H? 0.3137	AB=CD? 0.1561	AB=E+H? 0.4081	AB=FGH? 0.1443
									MONO. 0.4508	TREND. 0.0789
1971-74	OBS. EXP.	69	30 31.1	14 17.7	14 13.0	4 3.4	4 2.2	0 0.8	2 0.3	1 0.5
	OBS./EXP. RELATIVE RISK		0.966 1.000	0.790	1.077 1.191	1.184 1.313	1.817 2.015	0.000 0.000	6.002 6.655	1.829 2.028
	TEST PROB.	AB=C? 0.3908	AB=D? 0.4492	AB=E? 0.2542	AB=F? 0.8219	AB=G? 0.0860	AB=H? 0.3074	AB=CD? 0.3506	AB=E+H? 0.1513	AB=FGH? 0.3167
									MONO. 0.1015	TREND. 0.0255
1975-78	OBS. EXP.	91	32 40.7	27 23.9	14 16.9	5 4.3	7 3.0	2 1.0	1 0.5	3 0.7
	OBS./EXP. RELATIVE RISK		0.785 1.000	1.129	0.829 0.909	1.153 1.263	2.330 2.553	2.095 2.296	2.156 2.363	4.334 4.749
	TEST PROB.	AB=C? 0.6276	AB=D? 0.4628	AB=E? 0.0636	AB=F? 0.3874	AB=G? 0.2957	AB=H? 0.0551	AB=CD? 0.5497	AB=E+H? 0.0099	AB=FGH? 0.0427
									MONO. 0.0134	TREND. 0.0001

TABLE 18-10 MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

TABLE 18-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	7-85 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	106	23	39	13	6	14	6	3	2
	EXP.		23.6	36.7	21.5	8.9	7.7	3.8	1.8	2.1
	OBS./EXP. RELATIVE RISK		0.982 1.000	1.062	0.605 0.587	0.672 0.652	1.815 1.760	1.567 1.520	1.713 1.662	0.932 0.904
	TEST PROB.	AB=C? 0.9111	AB=D? 0.7988	AB=E? 0.1036	AB=F? 0.2986	AB=G? 0.4043	AB=H? 0.5955	AB=CD? 0.9252	AB=E-H? 0.0960	AB=FGH? 0.2771
									MONO. 0.1070	TREND. 0.0684
1950-54	OBS. EXP.	3	1 0.6	1 1.1	1 0.7	0 0.2	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		1.611 1.000	0.908	1.464 1.260	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3725	AB=D? 0.8024	AB=E? 0.7951	AB=F? 0.7777	AB=G? 0.7695	AB=H? 0.7733	AB=CD? 0.5715	AB=E-H? 0.8242	AB=FGH? 0.7968
									MONO. 0.9950	TREND. 0.7382
1955-58	OBS. EXP.	2	0 0.4	1 0.7	1 0.4	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.362	2.225 2.530	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2910	AB=D? 0.7865	AB=E? 0.7856	AB=F? 0.7736	AB=G? 0.7668	AB=H? 0.7681	AB=CD? 0.3135	AB=E-H? 0.8078	AB=FGH? 0.7864
									MONO. 0.9783	TREND. 0.6850
1959-62	OBS. EXP.	9	1 2.0	2 3.0	1 1.8	1 0.8	3 0.7	0 0.3	1 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		0.489 1.000	0.665	0.552 0.930	1.239 2.088	4.514 7.606	0.000 0.000	6.813 11.481	0.000 0.000
	TEST PROB.	AB=C? 0.5714	AB=D? 0.3028	AB=E? 0.0508	AB=F? 0.7846	AB=G? 0.2497	AB=H? 0.7766	AB=CD? 0.3779	AB=E-H? 0.0879	AB=FGH? 0.2911
									MONO. 0.0359	TREND. 0.0607
1963-66	OBS. EXP.	11	1 2.4	6 3.8	0 2.3	2 0.9	0 0.7	1 0.4	0 0.2	1 0.2
	OBS./EXP. RELATIVE RISK		0.408 1.000	1.585	0.000 0.000	2.170 1.932	0.000 0.000	2.747 2.647	0.000 0.000	4.314 3.844
	TEST PROB.	AB=C? 0.9214	AB=D? 0.3946	AB=E? 0.8371	AB=F? 0.2910	AB=G? 0.7824	AB=H? 0.2698	AB=CD? 0.7479	AB=E-H? 0.3897	AB=FGH? 0.4310
									MONO. 0.1702	TREND. 0.1063
1967-70	OBS. EXP.	24	3 5.3	12 8.5	5 4.9	0 2.0	2 1.6	2 0.8	0 0.4	0 0.4
	OBS./EXP. RELATIVE RISK		0.568 1.000	1.404	1.026 0.945	0.000 0.000	1.221 1.125	2.358 2.174	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5758	AB=D? 0.9015	AB=E? 0.4211	AB=F? 0.4351	AB=G? 0.8013	AB=H? 0.8074	AB=CD? 0.7575	AB=E-H? 0.4257	AB=FGH? 0.4096
									MONO. 0.4391	TREND. 0.6154
1971-74	OBS. EXP.	27	7 6.1	8 9.3	5 5.4	1 2.3	6 2.0	0 1.0	0 0.4	0 0.5
	OBS./EXP. RELATIVE RISK		1.149 1.000	0.862	0.932 0.955	0.438 0.648	2.957 3.031	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5613	AB=D? 0.7822	AB=E? 0.0695	AB=F? 0.8433	AB=G? 0.8046	AB=H? 0.8091	AB=CD? 0.6744	AB=E-H? 0.3216	AB=FGH? 0.8908
									MONO. 0.1463	TREND. 0.6270
1975-78	OBS. EXP.	30	10 7.0	9 10.0	0 5.5	2 2.4	3 2.5	3 1.2	2 0.6	1 0.6
	OBS./EXP. RELATIVE RISK		1.436 1.000	0.900	0.000 0.000	0.757 0.876	1.206 1.077	2.427 2.167	3.587 3.204	1.726 1.541
	TEST PROB.	AB=C? 0.9740	AB=D? 0.7108	AB=E? 0.4271	AB=F? 0.2865	AB=G? 0.2639	AB=H? 0.3350	AB=CD? 0.9595	AB=E-H? 0.2319	AB=FGH? 0.1399
									MONO. 0.0528	TREND. 0.0272

TABLE 19-1 MALIGNANT NEOPLASMS OF BREAST

TABLE 19-1

MIYOSHIKAWA + NAGASAKI, FEMALE, ALL AGES

YEAR CLASS		7-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	128	44	29	26	8	14	2	0	5
TOTAL	EXP.		51.0	35.7	25.1	7.1	4.8	2.1	1.0	1.2
	OBS./EXP.		0.862	0.813	1.035	1.130	2.937	0.960	0.000	4.107
	RELATIVE RISK		1.000		1.229	1.341	3.487	1.140	0.000	4.877
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2959	0.3399	0.0008	0.3866	0.3299	0.0088	0.2451	0.0012	0.1248
1950-54	OBS.	15	4	5	4	0	2	0	0	0
	EXP.		5.5	4.4	3.1	0.9	0.6	0.3	0.1	0.2
	OBS./EXP.		0.733	1.124	1.277	0.000	3.504	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.405	0.000	3.855	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4413	0.8333	0.2415	0.7687	0.7741	0.7782	0.4230	0.4134	0.8136
1955-58	OBS.	13	4	6	3	0	2	0	0	0
	EXP.		5.3	3.6	2.7	0.7	0.4	0.2	0.1	0.1
	OBS./EXP.		0.748	1.120	1.121	0.000	5.247	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.249	0.000	5.849	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3994	0.8234	0.1488	0.7768	0.7684	0.7699	0.4729	0.5186	0.7922
1959-62	OBS.	19	7	6	5	0	1	0	0	0
	EXP.		6.9	5.6	4.0	1.1	0.7	0.3	0.2	0.2
	OBS./EXP.		1.008	1.065	1.254	0.000	1.428	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.213	0.000	1.380	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4253	0.8528	0.3417	0.7930	0.7769	0.7800	0.5967	0.6405	0.8206
1963-66	OBS.	19	9	3	1	3	2	0	0	1
	EXP.		8.2	4.9	3.7	1.0	0.6	0.3	0.1	0.1
	OBS./EXP.		1.095	0.613	0.270	2.954	3.168	0.000	0.000	6.673
	RELATIVE RISK		1.000		0.296	3.227	3.462	0.000	0.000	7.289
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8603	0.1634	0.1875	0.7799	0.7701	0.2520	0.5888	0.1383	0.2874
1967-70	OBS.	20	3	3	6	3	2	1	0	2
	EXP.		7.9	5.5	3.8	1.1	0.9	0.4	0.2	0.2
	OBS./EXP.		0.378	0.544	1.598	2.700	2.283	2.531	0.000	9.402
	RELATIVE RISK		1.000		3.583	6.055	5.119	5.676	0.000	21.081
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.0803	0.0627	0.1555	0.2538	0.7696	0.0062	0.0303	0.0112	0.0191
1971-74	OBS.	17	8	5	2	1	1	0	0	0
	EXP.		8.8	4.9	3.3	0.9	0.6	0.3	0.1	0.2
	OBS./EXP.		1.185	1.045	0.609	1.081	1.540	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.541	0.959	1.367	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7827	0.5378	0.3793	0.7947	0.7794	0.7841	0.7505	0.7053	0.8268
1975-78	OBS.	25	9	3	5	1	4	1	0	2
	EXP.		10.4	6.5	4.6	1.3	1.0	0.4	0.2	0.3
	OBS./EXP.		0.865	0.442	1.079	0.759	4.181	2.487	0.000	7.665
	RELATIVE RISK		1.000		1.546	1.087	5.991	3.564	0.000	10.984
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3681	0.4161	0.0259	0.2666	0.7777	0.0236	0.3886	0.0056	0.0511

TABLE 19-2 MALIGNANT NEOPLASMS OF BREAST

TABLE 19-2

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 0-9

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	1	0	1	0	0	0	0	0	0
TOTAL	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	3.686	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8059	0.7719	0.7667	0.7629	0.7614	0.7618	0.8144	0.7718	0.7656
									0.9125	0.6060
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1963-66	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1967-70	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1971-74	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1975-78	OBS.	1	0	1	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	3.686	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8059	0.7719	0.7666	0.7629	0.7614	0.7618	0.8144	0.7718	0.7655
									0.9124	0.6057

TABLE 19-3 MALIGNANT NEOPLASMS OF BREAST

TABLE 19-3

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE [N RAO]								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	24	8	0	6	3	4	1	0	2
TOTAL	EXP.		9.9	6.6	4.2	1.3	1.2	0.5	0.3	0.3
	OBS./EXP.		0.807	0.000	1.431	2.370	3.401	1.898	0.000	7.629
	RELATIVE RISK		1.000		2.916	4.829	6.929	3.867	0.000	15.543
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.1112	0.0708	0.0117	0.2544	0.7745	0.0070	0.0473	0.0019	0.0001
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	1	0	0	1	0	0	0	0	0
	EXP.		0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	5.604	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.2398	X	X	X	X	X	0.2398	X	0.7082
1963-66	OBS.	1	0	0	1	0	0	0	0	0
	EXP.		0.2	0.3	0.2	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	0.000	4.147	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.2398	X	X	X	X	X	0.2398	X	0.6421
1967-70	OBS.	8	3	0	3	3	0	1	0	1
	EXP.		3.2	2.2	1.4	0.4	0.4	0.2	0.1	0.1
	OBS./EXP.		0.000	0.000	2.158	6.296	0.000	5.288	0.000	11.104
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.0346	0.0005	X	0.2398	X	0.2398	0.0050	0.0139	0.0007
1971-74	OBS.	6	3	0	0	0	1	0	0	0
	EXP.		1.6	1.1	0.7	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		1.859	0.000	0.000	0.000	4.818	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	4.329	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.8410	0.7455	0.2647	0.7679	0.7667	0.7660	0.8553	0.2938	0.7792
1975-78	OBS.	10	5	0	1	0	3	0	0	1
	EXP.		4.4	2.6	1.8	0.5	0.4	0.2	0.1	0.1
	OBS./EXP.		1.136	0.000	0.571	0.000	7.449	0.000	0.000	10.089
	RELATIVE RISK		1.000		0.797	0.000	10.398	0.000	0.000	14.083
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.6346	0.7968	0.0108	0.7716	0.7697	0.2470	0.7004	0.0234	0.2670

TABLE 19-4 MALIGNANT NEOPLASMS OF BREAST

TABLE 19-4

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS. TOTAL	35	10 12.6	8 10.5	6 6.7	3 2.1	4 1.5	1 0.7	0 0.4	3 0.5		
	OBS./EXP. RELATIVE RISK		0.792 1.000	0.765 1.000	0.891 1.143	1.418 1.820	2.630 3.374	1.452 1.863	0.000 0.000	6.222 7.983		
	TEST PROB.	AB=C? 0.4329	AB=D? 0.3891	AB=E? 0.0954	AB=F? 0.3069	AB=G? 0.7897	AB=H? 0.0133	AB=CD? 0.3970	AB=E-H? 0.0224	AB=FGH? 0.0824	MONO. 0.0068	TREND. 0.0002
1950-54	OBS. EXP.	3	0 0.8	1 1.0	1 0.6	0 0.2	1 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.990 1.000	1.662 3.666	0.000 0.000	5.840 10.773	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2868	AB=D? 0.7865	AB=E? 0.2468	AB=F? 0.7738	AB=G? 0.7668	AB=H? 0.7684	AB=CD? 0.3081	AB=E-H? 0.2550	AB=FGH? 0.7869	MONO. 0.5856	TREND. 0.3234
1955-58	OBS. EXP.	1	0 0.4	1 0.3	0 0.2	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 1.000	3.863 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.5085	AB=D? 0.7760	AB=E? 0.7688	AB=F? 0.7636	AB=G? 0.7623	AB=H? 0.7635	AB=CD? 0.8199	AB=E-H? 0.7768	AB=FGH? 0.7688	MONO. 0.8974	TREND. 0.6251
1959-62	OBS. EXP.	3	1 0.8	1 1.0	1 0.6	0 0.2	0 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		1.194 1.000	0.990 1.000	1.670 1.542	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3386	AB=D? 0.7815	AB=E? 0.7874	AB=F? 0.7743	AB=G? 0.7673	AB=H? 0.7687	AB=CD? 0.4015	AB=E-H? 0.8100	AB=FGH? 0.7878	MONO. 0.9967	TREND. 0.7253
1963-66	OBS. EXP.	5	1 2.0	1 1.4	0 0.9	2 0.3	0 0.2	0 0.1	0 0.0	1 0.1		
	OBS./EXP. RELATIVE RISK		0.503 1.000	0.710 1.000	0.000 0.000	6.932 11.766	0.000 0.000	0.000 0.000	0.000 0.000	16.193 27.486		
	TEST PROB.	AB=C? 0.9275	AB=D? 0.0849	AB=E? 0.7728	AB=F? 0.7452	AB=G? 0.7833	AB=H? 0.2430	AB=CD? 0.4110	AB=E-H? 0.2582	AB=FGH? 0.2686	MONO. 0.0004	TREND. 0.0009
1967-70	OBS. EXP.	6	1 1.9	2 1.9	0 1.2	0 0.4	2 0.3	0 0.1	0 0.1	1 0.1		
	OBS./EXP. RELATIVE RISK		0.518 1.000	1.051 1.000	0.000 0.000	0.000 0.000	6.579 8.403	0.000 0.000	0.000 0.000	11.092 14.168		
	TEST PROB.	AB=C? 0.8520	AB=D? 0.7967	AB=E? 0.0933	AB=F? 0.7752	AB=G? 0.7680	AB=H? 0.2474	AB=CD? 0.8709	AB=E-H? 0.0888	AB=FGH? 0.2677	MONO. 0.0036	TREND. 0.0012
1971-74	OBS. EXP.	6	3 2.4	2 1.7	1 1.1	0 0.3	0 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		1.228 1.000	1.197 1.000	0.588 0.731	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6683	AB=D? 0.8083	AB=E? 0.7954	AB=F? 0.7774	AB=G? 0.7695	AB=H? 0.7722	AB=CD? 0.7358	AB=E-H? 0.8227	AB=FGH? 0.7952	MONO. 0.9950	TREND. 0.7686
1975-78	OBS. EXP.	11	4 4.2	0 3.2	3 2.1	1 0.6	1 0.4	1 0.2	0 0.1	1 0.1		
	OBS./EXP. RELATIVE RISK		0.958 1.000	0.000 1.000	1.428 2.634	1.568 2.893	2.243 4.137	5.196 9.588	0.000 0.000	7.137 13.258		
	TEST PROB.	AB=C? 0.2875	AB=D? 0.2882	AB=E? 0.2742	AB=F? 0.2489	AB=G? 0.7688	AB=H? 0.2475	AB=CD? 0.2422	AB=E-H? 0.0749	AB=FGH? 0.0692	MONO. 0.0633	TREND. 0.0024

TABLE 19-5 MALIGNANT NEOPLASMS OF BREAST

TABLE 19-5

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 35-49

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	A	B	C	D	E	F	G	H
1950-78	OBS. TOTAL	45	16	15	10	1	3	0	0	0
	EXP.		19.0	11.7	9.3	2.4	1.4	0.6	0.3	0.4
	OBS./EXP. RELATIVE RISK		0.841 1.000	1.284 1.000	1.079 1.069	0.422 0.418	2.081 2.061	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4482	AB=D? 0.3026	AB=E? 0.3291	AB=F? 0.8204	AB=G? 0.7915	AB=H? 0.3006	AB=I? 0.5926	AB=E-H? 0.4350	AB=FGH? 0.8644
									0.6353	0.7413
1950-54	OBS. TOTAL	9	3	3	3	0	0	0	0	0
	EXP.		3.5	2.5	1.9	0.5	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.852 1.000	1.198 1.000	1.580 1.586	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4189	AB=D? 0.8137	AB=E? 0.7993	AB=F? 0.7801	AB=G? 0.7695	AB=H? 0.7731	AB=I? 0.3974	AB=E-H? 0.8290	AB=FGH? 0.7987
									0.9655	0.7656
1955-58	OBS. TOTAL	6	2	2	2	0	0	0	0	0
	EXP.		2.7	1.4	1.2	0.3	0.2	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.739 1.000	1.386 1.000	1.649 1.711	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3705	AB=D? 0.7966	AB=E? 0.7825	AB=F? 0.7689	AB=G? 0.7646	AB=H? 0.7658	AB=I? 0.3755	AB=E-H? 0.7979	AB=FGH? 0.7781
									0.9806	0.7032
1959-62	OBS. TOTAL	10	5	3	1	0	1	0	0	0
	EXP.		4.2	2.6	2.1	0.5	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.178 1.000	1.165 1.000	0.486 0.414	0.000 0.000	3.105 2.647	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5012	AB=D? 0.8225	AB=E? 0.2892	AB=F? 0.7792	AB=G? 0.7697	AB=H? 0.7726	AB=I? 0.8447	AB=E-H? 0.3507	AB=FGH? 0.7977
									0.3870	0.6119
1963-66	OBS. TOTAL	8	3	2	0	1	2	0	0	0
	EXP.		3.6	1.9	1.6	0.4	0.2	0.1	0.0	0.1
	OBS./EXP. RELATIVE RISK		0.828 1.000	1.039 1.000	0.000 0.000	2.439 2.705	5.343 9.254	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8794	AB=D? 0.2872	AB=E? 0.0637	AB=F? 0.7705	AB=G? 0.7654	AB=H? 0.7667	AB=I? 0.7398	AB=E-H? 0.1853	AB=FGH? 0.7811
									0.0281	0.1751
1967-70	OBS. TOTAL	4	1	1	2	0	0	0	0	0
	EXP.		1.8	1.0	0.8	0.2	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.551 1.000	1.041 1.000	2.481 3.445	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3894	AB=D? 0.7827	AB=E? 0.7438	AB=F? 0.7655	AB=G? 0.7628	AB=H? 0.7634	AB=I? 0.4207	AB=E-H? 0.7836	AB=FGH? 0.7709
									0.9210	0.6320
1971-74	OBS. TOTAL	5	2	2	1	0	0	0	0	0
	EXP.		1.7	1.5	1.1	0.3	0.2	0.1	0.0	0.1
	OBS./EXP. RELATIVE RISK		1.150 1.000	1.301 1.000	0.930 0.761	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6563	AB=D? 0.8023	AB=E? 0.7923	AB=F? 0.7778	AB=G? 0.7678	AB=H? 0.7714	AB=I? 0.7175	AB=E-H? 0.8193	AB=FGH? 0.7938
									0.9970	0.7611
1975-78	OBS. TOTAL	3	0	2	1	0	0	0	0	0
	EXP.		1.4	0.7	0.6	0.2	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 1.000	2.721 1.000	1.666 1.749	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3218	AB=D? 0.7823	AB=E? 0.7732	AB=F? 0.7650	AB=G? 0.7625	AB=H? 0.7630	AB=I? 0.3532	AB=E-H? 0.7820	AB=FGH? 0.7698
									0.7671	0.6413

TABLE 19-6 MALIGNANT NEOPLASMS OF BREAST

TABLE 19-6

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	A	B	C	D	E	F	G	H		
1950-78	OBS.	23	10	5	4	1	3	0	0	0		
TOTAL	EXP.		9.0	6.9	4.7	1.3	0.6	0.3	0.1	0.1		
	OBS./EXP.		1.112	0.729	0.842	0.773	4.943	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.890	0.817	5.223	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.6008	0.6054	0.0559	0.7850	0.7715	0.7705	0.6091	0.1942	0.8025	0.1502	0.3169
1950-54	OBS.	3	1	1	0	0	1	0	0	0		
	EXP.		1.1	0.9	0.4	0.2	0.1	0.0	0.0	0.0		
	OBS./EXP.		0.908	1.071	0.000	0.000	11.356	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	0.000	11.555	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.8278	0.7826	0.2487	0.7639	0.7620	0.7621	0.8418	0.2564	0.7674	0.1683	0.2182
1955-58	OBS.	6	2	1	1	0	2	0	0	0		
	EXP.		2.2	1.9	1.3	0.3	0.2	0.1	0.0	0.0		
	OBS./EXP.		0.912	0.535	0.781	0.000	11.653	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.058	0.000	15.751	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.4174	0.7950	0.0363	0.7694	0.7641	0.7639	0.6118	0.1184	0.7763	0.0046	0.9952
1959-62	OBS.	5	1	2	2	0	0	0	0	0		
	EXP.		1.4	1.8	1.2	0.3	0.2	0.1	0.0	0.0		
	OBS./EXP.		0.716	1.110	1.737	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.851	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.3674	0.7958	0.7791	0.7698	0.7647	0.7638	0.3682	0.7938	0.7772	0.9849	0.6755
1963-66	OBS.	5	5	0	0	0	0	0	0	0		
	EXP.		2.4	1.2	1.0	0.2	0.1	0.0	0.0	0.0		
	OBS./EXP.		2.091	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.9338	0.7978	0.7770	0.7687	0.7637	0.7634	0.8000	0.7900	0.7748	0.6041	0.7419
1967-70	OBS.	2	1	0	1	0	0	0	0	0		
	EXP.		1.0	0.5	0.4	0.1	0.0	0.0	0.0	0.0		
	OBS./EXP.		1.029	0.000	2.624	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		3.853	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.2716	0.7734	0.7657	0.7630	0.7612	0.7611	0.2804	0.7699	0.7647	0.9765	0.5801
1971-74	OBS.	2	0	1	0	1	0	0	0	0		
	EXP.		1.0	0.5	0.4	0.1	0.0	0.0	0.0	0.0		
	OBS./EXP.		0.000	2.018	0.000	10.642	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	15.453	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.8094	0.2470	0.7661	0.7629	0.7610	0.7610	0.2816	0.7700	0.7643	0.1541	0.2975
1975-78	OBS.	0	0	0	0	0	0	0	0	0		
	EXP.											
	OBS./EXP.											
	RELATIVE RISK											
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	X	X	X	X	X	X	X	X	X	X	

TABLE 19-7 MALIGNANT NEOPLASMS OF BREAST

TABLE 19-7

HIROSHIMA, FEMALE, ALL AGES

YEAR	CLASS	7-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-9	10-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS. TOTAL	100	39	22	20	5	8	2	0	4
	EXP.	45.7	24.8	19.1	5.0	2.8	1.1	0.6	0.8	
	OBS./EXP.	0.853	0.867	1.045	0.993	2.028	1.853	0.000	3.299	
	RELATIVE RISK	1.000	1.208	1.148	3.270	2.142	0.000	6.126		
	TEST	AB=CD?	AB=DE?	AB=EF?	AB=FG?	AB=GH?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.3463	0.4320	0.0151	0.4228	0.8086	0.0077	0.3355	0.0037	0.0592
										0.0005
										0.0000
1950-54	OBS. TOTAL	10	4	2	3	0	1	0	0	0
	EXP.	4.5	2.4	2.0	0.5	0.3	0.1	0.1	0.1	0.1
	OBS./EXP.	0.879	0.820	1.515	0.000	3.583	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	1.765	0.000	4.175	0.000	0.000	0.000	0.000	0.000
	TEST	AB=CD?	AB=DE?	AB=EF?	AB=FG?	AB=GH?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.4922	0.8085	0.2675	0.7711	0.7658	0.7668	0.3974	0.2951	0.7821
										0.3574
										0.5055
1955-58	OBS. TOTAL	11	4	3	3	0	1	0	0	0
	EXP.	5.0	2.7	2.2	0.6	0.3	0.1	0.1	0.1	0.1
	OBS./EXP.	0.793	1.111	1.335	0.000	3.666	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	1.532	0.000	3.834	0.000	0.000	0.000	0.000	0.000
	TEST	AB=CD?	AB=DE?	AB=EF?	AB=FG?	AB=GH?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.4132	0.8141	0.2712	0.7726	0.7667	0.7684	0.4027	0.3027	0.7856
										0.8729
										0.5210
1959-62	OBS. TOTAL	13	6	4	2	0	1	0	0	0
	EXP.	5.9	3.2	2.6	0.7	0.4	0.1	0.1	0.1	0.1
	OBS./EXP.	1.014	1.263	0.778	0.000	2.678	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.767	0.000	2.632	0.000	0.000	0.000	0.000	0.000
	TEST	AB=CD?	AB=DE?	AB=EF?	AB=FG?	AB=GH?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.6934	0.8300	0.2924	0.7774	0.7694	0.7714	0.7672	0.3559	0.7949
										0.9362
										0.6438
1963-66	OBS. TOTAL	17	9	3	0	2	2	0	0	1
	EXP.	7.8	4.2	3.3	0.9	0.6	0.2	0.1	0.1	0.1
	OBS./EXP.	1.153	0.718	0.000	2.329	2.449	0.000	0.000	0.000	8.751
	RELATIVE RISK	1.000	0.000	2.325	4.443	0.000	0.000	0.000	8.738	
	TEST	AB=CD?	AB=DE?	AB=EF?	AB=FG?	AB=GH?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.9354	0.4174	0.1875	0.7799	0.7701	0.2520	0.8126	0.1383	0.2874
										0.0126
										0.0067
1967-70	OBS. TOTAL	15	3	2	5	2	1	1	0	1
	EXP.	4.9	3.7	2.8	0.7	0.4	0.2	0.1	0.1	0.1
	OBS./EXP.	0.434	0.539	1.783	2.756	2.274	5.852	0.000	8.193	
	RELATIVE RISK	1.000	3.789	5.856	4.831	12.436	0.000	0.000	17.409	
	TEST	AB=CD?	AB=DE?	AB=EF?	AB=FG?	AB=GH?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.1023	0.1400	0.2625	0.2484	0.7652	0.2457	0.0320	0.0358	0.0486
										0.0114
										0.0003
1971-74	OBS. TOTAL	13	5	5	2	1	0	0	0	0
	EXP.	6.0	3.3	2.4	0.6	0.4	0.1	0.1	0.1	0.1
	OBS./EXP.	0.839	1.532	0.820	1.548	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.756	1.427	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=CD?	AB=DE?	AB=EF?	AB=FG?	AB=GH?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.6698	0.3678	0.8027	0.7779	0.7718	0.7739	0.6018	0.8325	0.7994
										0.9575
										0.7415
1975-78	OBS. TOTAL	21	8	3	5	0	2	1	0	2
	EXP.	9.6	5.3	3.8	1.0	0.6	0.2	0.2	0.2	0.2
	OBS./EXP.	0.832	0.564	1.302	0.000	3.184	4.313	0.000	10.840	
	RELATIVE RISK	1.000	1.788	0.000	4.323	5.856	0.000	0.000	14.719	
	TEST	AB=CD?	AB=DE?	AB=EF?	AB=FG?	AB=GH?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.3144	0.5289	0.2045	0.2596	0.7740	0.0120	0.4595	0.0144	0.0274
										0.0005
										0.0000

TABLE 19-8 MALIGNANT NEOPLASMS OF BREAST

TABLE 19-8

NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS. TOTAL	28	5	7	8	3	6	0	0	1
	EXP.		5.3	10.9	6.0	2.0	1.9	1.0	0.4	0.5
	OBS./EXP. RELATIVE RISK		0.944 1.000	0.644	1.003 1.350	1.467 1.976	3.094 4.166	0.000 0.000	0.000 0.000	2.163 2.912
	TEST PROB.	AB=C? 0.4611	AB=D? 0.3374	AB=E? 0.0200	AB=F? 0.8214	AB=G? 0.7914	AB=H? 0.2865	AB=I? 0.3190	AB=J? 0.1012	AB=K? 0.6529
										TREND, 0.1240
1950-54	OBS. TOTAL	5	0	3	1	0	1	0	0	0
	EXP.		0.9	2.0	1.2	0.3	0.3	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.494	0.868 0.843	0.000 0.000	3.427 3.328	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6114	AB=D? 0.3025	AB=E? 0.2742	AB=F? 0.7820	AB=G? 0.7703	AB=H? 0.7739	AB=I? 0.6932	AB=J? 0.3217	AB=K? 0.8018
										TREND, 0.5235
1955-58	OBS. TOTAL	2	0	1	0	0	1	0	0	0
	EXP.		0.3	0.9	0.5	0.1	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.148	0.000 0.000	0.000 0.000	10.786 12.694	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3331	AB=D? 0.7846	AB=E? 0.2486	AB=F? 0.7681	AB=G? 0.7635	AB=H? 0.7633	AB=I? 0.8478	AB=J? 0.2569	AB=K? 0.7741
										TREND, 0.1922
1959-62	OBS. TOTAL	6	1	2	3	0	0	0	0	0
	EXP.		1.0	2.5	1.4	0.4	0.3	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.973 1.000	0.811	2.117 2.465	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3533	AB=D? 0.5055	AB=E? 0.7975	AB=F? 0.7810	AB=G? 0.7701	AB=H? 0.7716	AB=I? 0.4364	AB=J? 0.8276	AB=K? 0.7988
										TREND, 0.8886
1963-66	OBS. TOTAL	2	0	0	1	1	0	0	0	0
	EXP.		0.4	0.7	0.4	0.2	0.2	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000	0.000 X	2.699 X	6.377 X	0.000 X	0.000 X	0.000 X	0.000 X
	TEST PROB.	AB=C? 0.2398	AB=D? 0.2398	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? 0.2246	AB=J? X	AB=K? X
										TREND, 0.4207
1967-70	OBS. TOTAL	5	0	1	1	1	1	0	0	1
	EXP.		1.0	1.8	1.0	0.4	0.4	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.554	1.052 2.975	2.596 7.342	2.292 6.484	0.000 0.000	0.000 0.000	11.030 31.196
	TEST PROB.	AB=C? 0.2808	AB=D? 0.2557	AB=E? 0.2545	AB=F? 0.7739	AB=G? 0.7670	AB=H? 0.2436	AB=I? 0.4129	AB=J? 0.2318	AB=K? 0.2550
										TREND, 0.0845
1971-74	OBS. TOTAL	4	3	0	0	0	1	0	0	0
	EXP.		0.8	1.5	0.8	0.3	0.3	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		3.785 1.000	0.000	0.000 0.000	0.000 0.000	3.526 2.718	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8706	AB=D? 0.8028	AB=E? 0.2855	AB=F? 0.7826	AB=G? 0.7704	AB=H? 0.7738	AB=I? 0.8897	AB=J? 0.3548	AB=K? 0.3022
										TREND, 0.1406
1975-78	OBS. TOTAL	4	1	0	0	1	2	0	0	0
	EXP.		0.8	1.5	0.8	0.3	0.3	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.254 1.000	0.000	0.000 0.000	3.335 7.539	6.087 13.759	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8247	AB=D? 0.2545	AB=E? 0.1147	AB=F? 0.7742	AB=G? 0.7673	AB=H? 0.7679	AB=I? 0.3083	AB=J? 0.2614	AB=K? 0.7872
										TREND, 0.0745

TABLE 20-1 MALIGNANT NEOPLASMS OF CERVIX UTERI AND UTERUS

TABLE 20-1

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-63 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	332	114	108	74	13	14	2	2	5
TOTAL	EXP.		135.2	91.3	65.9	12.2	11.3	4.9	2.3	2.9
	OBS./EXP.		0.843	1.183	1.122	0.714	1.242	0.406	0.873	1.720
	RELATIVE RISK		1.000		1.145	0.728	1.267	0.414	0.891	1.754
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2624	0.8180	0.3761	0.8700	0.6254	0.2773	0.4657	0.4813	0.6514
									0.0707	0.0707
										TREND,
										0.3169
1950-54	OBS.	56	14	17	17	4	2	0	0	2
	EXP.		22.8	15.5	11.4	3.0	1.7	0.7	0.4	0.5
	OBS./EXP.		0.614	1.098	1.494	1.313	1.153	0.000	0.000	4.309
	RELATIVE RISK		1.000		1.845	1.622	1.424	0.000	0.000	5.321
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.0961	0.3749	0.3838	0.8219	0.7929	0.1504	0.0879	0.4328	0.3817
									0.0702	0.0702
										TREND,
										0.0767
1955-58	OBS.	56	25	19	8	0	3	0	0	1
	EXP.		21.4	16.2	11.6	3.2	1.9	0.8	0.4	0.5
	OBS./EXP.		1.168	1.172	0.688	0.000	1.575	0.000	0.000	2.078
	RELATIVE RISK		1.000		0.588	0.000	1.346	0.000	0.000	1.776
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8659	0.9396	0.4147	0.8437	0.8062	0.3263	0.9413	0.5890	0.7729
									0.3486	0.3486
										TREND,
										0.6380
1959-62	OBS.	41	11	14	10	2	1	0	2	1
	EXP.		17.5	10.9	8.1	2.2	1.2	0.5	0.2	0.3
	OBS./EXP.		0.630	1.281	1.232	0.898	0.830	0.000	8.085	3.318
	RELATIVE RISK		1.000		1.398	1.019	0.942	0.000	9.177	3.784
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3181	0.5213	0.6064	0.8119	0.0581	0.2756	0.3408	0.3005	0.1958
									0.0099	0.0099
										TREND,
										0.0165
1963-66	OBS.	35	9	13	10	3	0	0	0	0
	EXP.		14.4	9.4	7.0	1.9	1.2	0.5	0.3	0.3
	OBS./EXP.		0.625	1.377	1.433	1.582	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.553	1.714	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2611	0.4066	0.8527	0.8083	0.7859	0.7907	0.2152	0.8992	0.8460
									0.3635	0.3635
										TREND,
										0.8434
1967-70	OBS.	43	16	12	12	2	1	0	0	0
	EXP.		17.7	11.7	8.4	2.4	1.5	0.7	0.3	0.4
	OBS./EXP.		0.906	1.025	1.431	0.849	0.659	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.500	0.890	0.691	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2454	0.6018	0.7052	0.8240	0.7909	0.7967	0.2926	0.8388	0.8639
									0.8510	0.8510
										TREND,
										0.8694
1971-74	OBS.	56	18	22	11	0	3	1	0	1
	EXP.		22.2	15.7	10.8	3.1	2.2	1.0	0.4	0.6
	OBS./EXP.		0.811	1.400	1.016	0.000	1.377	1.021	0.000	1.790
	RELATIVE RISK		1.000		0.963	0.000	1.305	0.968	0.000	1.697
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5693	0.9339	0.4092	0.6197	0.8072	0.3342	0.7665	0.4341	0.6047
									0.3688	0.3688
										TREND,
										0.4808
1975-78	OBS.	45	21	11	6	2	4	1	0	0
	EXP.		19.2	13.9	8.7	2.4	1.5	0.6	0.3	0.4
	OBS./EXP.		1.092	0.928	0.690	0.830	2.608	1.573	0.000	0.000
	RELATIVE RISK		1.000		0.670	0.806	2.533	1.528	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7781	0.8364	0.1957	0.3206	0.7884	0.7937	0.7695	0.3163	0.6223
									0.5410	0.5410
										TREND,
										0.4508

TABLE 20-2 MALIGNANT NEOPLASMS OF CERVIX UTERI AND UTERUS

TABLE 20-2

HIROSHIMA + NAGASAKI, FEMALE, AGE AT 0-9

YEAR	CLASS	Y=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	3	1	0	1	0	1	0	0	0
	EXP.		1.4	0.8	0.5	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.713	0.000	1.846	0.000	15.092	0.000	0.000	0.000
	RELATIVE RISK		1.000		4.090	0.000	33.437	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2694	0.7719	0.2431	0.7629	0.7614	0.7618	0.2770	0.2452	0.7656
									0.0407	0.1684
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1963-66	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1967-70	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	X	X	X	X	X	X	X
1971-74	OBS.	2	1	0	0	0	1	0	0	0
	EXP.		0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		1.071	0.000	0.000	0.000	22.861	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	33.756	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5060	0.7719	0.2430	0.7629	0.7614	0.7617	0.8145	0.2452	0.7655
									0.0026	0.1171
1975-78	OBS.	1	0	0	1	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	5.533	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2398	X	X	X	X	X	0.2398	X	X
									0.7168	0.5005

TABLE 20-3 MALIGNANT NEOPLASMS OF CERVIX UTERI AND UTERUS

TABLE 20-3

HIROSHIMA + NAGASAKI, FEMALE, AGE ATS 10-19

YEAR	CLASS	T=65 TOTAL OCSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	18	6	8	1	0	2	1	0	0
TOTAL	EXP.		5.7	5.4	3.0	1.2	1.4	0.7	0.2	0.2
	OBS./EXP.		1.057	1.468	0.329	0.000	1.400	1.396	0.000	0.000
	RELATIVE RISK		1.000		0.262	0.000	1.112	1.109	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8836	0.8801	0.5264	0.4273	0.7937	0.7936	0.9314	0.6232	0.7003
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		2.160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8070	0.7736	0.7704	0.7641	0.7635	0.7633	0.8167	0.7797	0.7702
1959-62	OBS.	2	1	1	0	0	0	0	0	0
	EXP.		0.7	0.6	0.3	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.		1.463	1.710	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8296	0.7924	0.7987	0.7995	0.7672	0.7672	0.8491	0.8231	0.7927
1963-66	OBS.	1	0	0	1	0	0	0	0	0
	EXP.		0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	5.612	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK				X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2398	X	X	X	X	X	0.2398	AB=E-H?	AB=FGH?
1967-70	OBS.	2	0	2	0	0	0	0	0	0
	EXP.		0.4	0.7	0.3	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		0.000	2.956	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8336	0.8521	0.8132	0.7902	0.7690	0.7691	0.8592	0.8444	0.8041
1971-74	OBS.	7	2	5	0	0	0	0	0	0
	EXP.		2.0	2.2	1.2	0.5	0.6	0.3	0.1	0.1
	OBS./EXP.		0.734	2.291	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3926	0.3412	0.3552	0.2771	0.7800	0.7799	0.9271	0.8986	0.8422
1975-78	OBS.	5	2	0	0	0	2	1	0	0
	EXP.		1.6	1.5	0.8	0.3	0.4	0.2	0.1	0.1
	OBS./EXP.		1.256	0.000	0.000	0.000	5.134	5.110	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	7.967	7.930	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8293	0.7926	0.1901	0.2404	0.7670	0.7671	0.8489	0.1110	0.2555

TABLE 20-4 MALIGNANT NEOPLASMS OF CERVIX UTERI AND UTERUS

TABLE 20-4

MIYOSHIWA + NAGASAKI, FEMALE, AGE 20-34

YEAR	CLASS	Y-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	86	32	24	19	4	3	1	0	3		
TOTAL	EXP.		36.7	24.0	16.2	4.9	3.1	1.3	0.7	1.0		
	OBS./EXP.		0.922	0.999	1.173	0.817	0.970	0.764	0.000	2.888		
	RELATIVE RISK		1.000		1.230	0.857	1.017	0.802	0.000	3.029		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.3255	0.6333	0.5708	0.6429	0.5238	0.1715	0.3800	0.4438	0.4704	0.6146	0.1651
1950-54	OBS.	8	3	3	2	0	0	0	0	0		
	EXP.		3.3	2.2	1.5	0.1	0.3	0.1	0.1	0.1		
	OBS./EXP.		0.904	1.369	1.334	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.225	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.3919	0.8163	0.7982	0.7787	0.7704	0.7746	0.5733	0.8282	0.7992	0.9826	0.7749
1955-58	OBS.	7	3	3	0	0	0	0	0	1		
	EXP.		2.1	2.3	1.4	0.5	0.4	0.2	0.1	0.1		
	OBS./EXP.		1.414	1.316	0.000	0.000	0.000	0.000	0.000	8.675		
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	8.363		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.8967	0.8239	0.8145	0.7891	0.7753	0.2584	0.9190	0.5609	0.3138	0.1948	0.1253
1959-62	OBS.	8	4	2	1	0	0	0	0	1		
	EXP.		3.6	2.1	1.5	0.4	0.2	0.1	0.1	0.1		
	OBS./EXP.		1.119	0.964	0.678	0.000	0.000	0.000	0.000	11.953		
	RELATIVE RISK		1.000		0.639	0.000	0.000	0.000	0.000	11.253		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.7024	0.8092	0.7281	0.7717	0.7673	0.2498	0.7625	0.3046	0.2685	0.1369	0.0363
1963-66	OBS.	11	3	3	4	1	0	0	0	0		
	EXP.		3.9	3.3	2.1	0.7	0.5	0.2	0.1	0.2		
	OBS./EXP.		0.766	0.907	1.885	1.486	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		2.269	1.789	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.2831	0.3253	0.3151	0.7796	0.7757	0.7797	0.2650	0.8540	0.3159	0.8805	0.7328
1967-70	OBS.	17	7	3	5	1	1	0	0	0		
	EXP.		8.9	4.7	3.2	1.0	0.6	0.3	0.1	0.2		
	OBS./EXP.		1.020	0.632	1.560	1.036	1.624	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.811	1.202	1.885	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.3004	0.3906	0.3313	0.7890	0.7764	0.7813	0.3114	0.6334	0.8178	0.9269	0.6655
1971-74	OBS.	22	6	7	6	0	1	1	0	1		
	EXP.		9.4	5.9	4.1	1.2	0.7	0.3	0.2	0.2		
	OBS./EXP.		0.639	1.180	1.468	0.000	1.413	3.564	0.000	4.171		
	RELATIVE RISK		1.000		1.729	0.000	1.664	4.199	0.000	4.913		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.2818	0.8444	0.3249	0.2619	0.7732	0.2614	0.4356	0.2324	0.2110	0.3199	0.0573
1975-78	OBS.	13	6	3	1	2	1	0	0	0		
	EXP.		5.6	3.5	2.4	0.7	0.4	0.2	0.1	0.1		
	OBS./EXP.		1.073	0.859	0.414	2.844	2.430	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.418	2.871	2.452	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.7927	0.3225	0.2960	0.7748	0.7695	0.7747	0.4913	0.3844	0.7956	0.7147	0.5122

TABLE 20-5 MALIGNANT NEOPLASMS OF CERVIX UTERI AND UTERUS

TABLE 20-5

MIROSHINA + NAGASAKI, FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	147	50	49	35	7	4	0	1	1		
TOTAL	EXP.	59.0	40.1	30.7	7.9	4.9	2.1	1.0	1.3			
	OBS./EXP.	0.348	1.222	1.140	0.290	0.809	0.000	1.017	0.763			
	RELATIVE RISK	1.000	1.141	0.391	0.510	0.000	1.018	0.763				
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3530	0.6201	0.4666	0.8953	0.4824	0.5537	0.4003	0.8082	0.8338	0.4239	0.8070
1950-54	OBS.	30	7	8	9	4	1	0	0	1		
	EXP.	11.4	8.4	6.3	1.6	1.0	0.5	0.2	0.3			
	OBS./EXP.	0.601	0.952	1.419	2.476	0.957	0.000	0.000	3.515			
	RELATIVE RISK	1.000	1.896	3.309	1.278	0.000	0.000	4.697				
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.1931	0.3057	0.3772	0.7986	0.7792	0.2662	0.0930	0.3831	0.3589	0.2472	0.1275
1955-58	OBS.	29	15	7	6	0	1	0	0	0		
	EXP.	11.4	8.0	6.1	1.6	1.0	0.4	0.2	0.3			
	OBS./EXP.	1.310	0.874	0.985	0.000	1.010	0.000	0.000	0.000			
	RELATIVE RISK	1.000	0.873	0.000	0.893	0.000	0.000	0.000				
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.6276	0.8838	0.6062	0.8078	0.7846	0.7920	0.7551	0.7805	0.8457	0.8015	0.8851
1959-62	OBS.	14	2	4	6	0	1	0	1	0		
	EXP.	5.5	3.9	2.9	0.8	0.5	0.2	0.1	0.1			
	OBS./EXP.	0.363	1.033	2.041	0.000	2.079	0.000	10.235	0.000			
	RELATIVE RISK	1.000	3.192	0.000	3.252	0.000	16.016	0.000				
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3039	0.8145	0.2907	0.7802	0.2484	0.7731	0.1717	0.3519	0.2849	0.0292	0.1252
1963-66	OBS.	17	4	8	3	2	0	0	0	0		
	EXP.	7.2	4.4	3.5	0.9	0.5	0.2	0.1	0.1			
	OBS./EXP.	0.559	1.810	0.855	2.230	0.000	0.000	0.000	0.000			
	RELATIVE RISK	1.000	0.825	2.151	0.000	0.000	0.000	0.000				
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.6481	0.4425	0.8116	0.7816	0.7733	0.7739	0.4296	0.8416	0.8021	0.4473	0.7300
1967-70	OBS.	16	6	4	5	1	0	0	0	0		
	EXP.	6.5	4.3	3.3	0.9	0.5	0.2	0.1	0.1			
	OBS./EXP.	0.929	0.924	1.501	1.165	0.000	0.000	0.000	0.000			
	RELATIVE RISK	1.000	1.519	1.256	0.000	0.000	0.000	0.000				
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3667	0.3581	0.8047	0.7786	0.7694	0.7716	0.3642	0.8315	0.7961	0.9630	0.7706
1971-74	OBS.	21	4	10	4	0	1	0	0	0		
	EXP.	7.9	6.1	4.4	1.1	0.7	0.3	0.1	0.2			
	OBS./EXP.	0.756	1.647	0.902	0.000	1.351	0.000	0.000	0.000			
	RELATIVE RISK	1.000	0.790	0.000	1.183	0.000	0.000	0.000				
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.6781	0.8653	0.4155	0.8059	0.7814	0.7898	0.7764	0.7345	0.8408	0.6549	0.7912
1975-78	OBS.	20	10	8	2	0	0	0	0	0		
	EXP.	8.8	5.1	4.0	1.0	0.6	0.2	0.1	0.1			
	OBS./EXP.	1.133	1.583	0.495	0.000	0.000	0.000	0.000	0.000			
	RELATIVE RISK	1.000	0.382	0.000	0.000	0.000	0.000	0.000				
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.8698	0.8639	0.8308	0.7917	0.7754	0.7794	0.9139	0.8674	0.3184	0.6612	0.8927

TABLE 20-6 MALIGNANT NEOPLASMS OF CERVIX UTERI AND UTERUS

TABLE 20-6

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 50+

YEAR CLASS		Y-85 TOTAL DOSE IN RAD									
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	
			A	B	C	D	E	F	G	H	
1950-78	OBS.	78	25	27	18	2	4	0	1	1	
TOTAL	EXP.		34.4	20.9	15.5	4.1	1.7	0.8	0.3	0.3	
	OBS./EXP.		0.727	1.291	1.165	0.486	2.302	0.000	3.051	3.287	
	RELATIVE RISK		1.000		1.239	0.517	2.448	0.000	3.265	3.496	
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	HOMO,	TREND,
PROB.	0.3379	0.8039	0.1896	0.8290	0.2818	0.2779	0.4764	0.1846	0.3828	0.0775	0.0703
1950-54	OBS.	18	4	6	6	0	1	0	0	1	
	EXP.		7.8	4.9	3.5	1.0	0.4	0.2	0.1	0.1	
	OBS./EXP.		0.510	1.227	1.697	0.000	2.383	0.000	0.000	12.088	
	RELATIVE RISK		1.000		2.160	0.000	3.033	0.000	0.000	15.385	
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	HOMO,	TREND,
PROB.	0.2045	0.3352	0.2967	0.7793	0.7690	0.2478	0.3181	0.3093	0.2760	0.0231	0.0160
1955-58	OBS.	19	6	9	2	0	2	0	0	0	
	EXP.		7.4	5.7	4.0	1.1	0.5	0.2	0.1	0.1	
	OBS./EXP.		0.814	1.586	0.504	0.000	3.937	0.000	0.000	0.000	
	RELATIVE RISK		1.000		0.438	0.000	3.423	0.000	0.000	0.000	
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	HOMO,	TREND,
PROB.	0.8433	0.5615	0.2620	0.7893	0.7735	0.7726	0.8954	0.4171	0.8094	0.2408	0.5255
1959-62	OBS.	17	4	7	3	2	0	0	1	0	
	EXP.		7.7	4.4	3.4	0.9	0.4	0.2	0.1	0.1	
	OBS./EXP.		0.521	1.594	0.892	2.189	0.000	0.000	14.087	0.000	
	RELATIVE RISK		1.000		0.979	2.403	0.000	0.000	15.463	0.000	
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	HOMO,	TREND,
PROB.	0.5506	0.4168	0.7973	0.7783	0.2473	0.7676	0.4364	0.3305	0.2738	0.0145	0.0930
1963-66	OBS.	6	2	2	2	0	0	0	0	0	
	EXP.		2.9	1.5	1.2	0.3	0.1	0.1	0.0	0.0	
	OBS./EXP.		0.697	1.366	1.712	0.000	0.000	0.000	0.000	0.000	
	RELATIVE RISK		1.000		1.854	0.000	0.000	0.000	0.000	0.000	
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	HOMO,	TREND,
PROB.	0.3764	0.7922	0.7744	0.7673	0.7632	0.7629	0.3695	0.7855	0.7725	0.9805	0.6710
1967-70	OBS.	8	3	3	2	0	0	0	0	0	
	EXP.		3.9	2.0	1.5	0.4	0.1	0.1	0.0	0.0	
	OBS./EXP.		0.772	1.533	1.312	0.000	0.000	0.000	0.000	0.000	
	RELATIVE RISK		1.000		1.278	0.000	0.000	0.000	0.000	0.000	
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	HOMO,	TREND,
PROB.	0.3846	0.8019	0.7785	0.7696	0.7635	0.7632	0.4524	0.7918	0.7753	0.9809	0.7103
1971-74	OBS.	4	3	0	1	0	0	0	0	0	
	EXP.		1.9	1.0	0.3	0.2	0.1	0.0	0.0	0.0	
	OBS./EXP.		1.568	0.000	1.291	0.000	0.000	0.000	0.000	0.000	
	RELATIVE RISK		1.000		1.250	0.000	0.000	0.000	0.000	0.000	
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	HOMO,	TREND,
PROB.	0.3759	0.7863	0.7717	0.7655	0.7617	0.7618	0.4757	0.7792	0.7683	0.9600	0.6532
1975-78	OBS.	6	3	0	2	0	1	0	0	0	
	EXP.		2.7	1.5	1.2	0.3	0.1	0.1	0.0	0.0	
	OBS./EXP.		1.092	0.000	1.643	0.000	2.813	0.000	0.000	0.000	
	RELATIVE RISK		1.000		2.342	0.000	12.563	0.000	0.000	0.000	
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	HOMO,	TREND,
PROB.	0.4065	0.7888	0.2487	0.7654	0.7621	0.7622	0.3694	0.2559	0.7689	0.2261	0.2216

TABLE 20-7 MALIGNANT NEOPLASMS OF CERVIX UTERI AND UTERUS

TABLE 20-7

HIROSKIMA, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	270	104	74	62	13	8	2	1	4
TOTAL	EXP.		123.4	67.0	52.3	13.9	7.2	2.8	1.4	1.9
	OBS./EXP.		0.859	1.104	1.184	0.937	1.108	0.721	0.893	2.155
	RELATIVE RISK		1.000		1.253	0.992	1.173	0.763	0.733	2.280
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND.
PROB.	0.1523	0.5320	0.4599	0.6720	0.6672	0.1931	0.1911	0.3633	0.4465	0.3377
1950-54	OBS.	46	13	11	14	4	2	0	0	2
EXP.			21.0	11.4	9.0	2.4	1.2	0.5	0.2	0.3
	OBS./EXP.		0.618	0.969	1.559	1.656	1.649	0.000	0.000	6.839
	RELATIVE RISK		1.000		2.105	2.235	2.225	0.000	0.000	8.960
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND.
PROB.	0.0710	0.2197	0.4243	0.7952	0.7796	0.0494	0.0516	0.1856	0.3412	0.0132
1955-58	OBS.	41	24	9	6	0	2	0	0	0
EXP.			18.6	10.1	8.1	2.1	1.1	0.4	0.2	0.3
	OBS./EXP.		1.272	0.895	0.743	0.000	1.835	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.649	0.000	1.604	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND.
PROB.	0.7949	0.9074	0.3890	0.8060	0.7856	0.7904	0.8863	0.5972	0.8441	0.5568
1959-62	OBS.	36	10	11	10	2	1	0	1	1
EXP.			16.5	8.9	7.0	1.9	0.9	0.4	0.2	0.2
	OBS./EXP.		0.605	1.233	1.432	1.062	1.106	0.000	5.355	4.443
	RELATIVE RISK		1.000		1.736	1.287	1.341	0.000	6.492	5.336
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND.
PROB.	0.1954	0.3867	0.3593	0.7905	0.2577	0.2627	0.2248	0.2955	0.2847	0.1400
1963-66	OBS.	29	8	11	7	3	0	0	0	0
EXP.			13.3	7.1	5.7	1.5	0.3	0.3	0.2	0.2
	OBS./EXP.		0.603	1.543	1.235	2.041	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.326	2.190	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND.
PROB.	0.4085	0.2991	0.8277	0.7905	0.7761	0.7801	0.2829	0.8652	0.8183	0.3716
1967-70	OBS.	35	14	10	9	2	0	0	0	0
EXP.			16.1	8.7	6.7	1.8	0.9	0.4	0.2	0.3
	OBS./EXP.		0.871	1.150	1.338	1.127	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.381	1.163	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND.
PROB.	0.3405	0.4034	0.8378	0.7961	0.7792	0.7850	0.3432	0.8791	0.8235	0.8853
1971-74	OBS.	43	17	12	10	0	2	1	0	1
EXP.			19.6	10.9	8.2	2.2	1.2	0.4	0.2	0.3
	OBS./EXP.		0.869	1.105	1.223	0.000	1.689	2.228	0.000	3.012
	RELATIVE RISK		1.000		1.233	0.000	1.772	2.338	0.000	3.161
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND.
PROB.	0.3783	0.5953	0.4032	0.2966	0.7847	0.2796	0.4725	0.2834	0.4615	0.5545
1975-78	OBS.	40	20	10	6	2	1	1	0	0
EXP.			18.2	10.1	7.8	2.0	1.1	0.4	0.2	0.3
	OBS./EXP.		1.100	0.993	0.774	0.956	0.921	2.509	0.000	0.000
	RELATIVE RISK		1.000		0.728	0.928	0.867	2.363	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?	TREND.
PROB.	0.7384	0.5861	0.6164	0.2969	0.7838	0.7903	0.7212	0.5705	0.4415	0.9612

TABLE 20-8 MALIGNANT NEOPLASMS OF CERVIX UTERI AND UTERUS

TABLE 20-8

NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	62	8	34	12	0	6	0	1	1		
TOTAL	EXP.		11.7	24.3	13.6	4.3	4.3	2.2	0.8	1.1		
	OBS./EXP.		0.682	1.402	0.883	0.000	1.482	0.000	1.182	0.951		
	RELATIVE RISK		1.000		0.757	0.000	1.269	0.000	1.013	0.815		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=FGH?	HOMO.	TREND.	
	PROB.	0.7606	0.9616	0.4706	0.9116	0.4595	0.6233	0.9062	0.6790	0.8489	0.0776	0.7618
1950-54	OBS.	10	1	6	3	0	0	0	0	0		
	EXP.		1.8	4.1	2.4	0.6	0.5	0.3	0.1	0.2		
	OBS./EXP.		0.567	1.453	1.250	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.052	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=FGH?	HOMO.	TREND.	
	PROB.	0.4395	0.8338	0.8232	0.7966	0.7769	0.7823	0.6375	0.8668	0.5253	0.8806	0.6576
1955-58	OBS.	15	1	10	2	0	1	0	0	1		
	EXP.		2.6	6.2	3.6	1.0	0.8	0.4	0.2	0.2		
	OBS./EXP.		0.383	1.624	0.563	0.000	1.228	0.000	0.000	4.345		
	RELATIVE RISK		1.000		0.449	0.000	0.979	0.000	0.000	3.464		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=FGH?	HOMO.	TREND.	
	PROB.	0.8301	0.8639	0.5321	0.8130	0.7840	0.2758	0.8867	0.5667	0.5761	0.3045	0.3010
1959-62	OBS.	5	1	3	0	0	0	0	1	0		
	EXP.		0.9	2.0	1.1	0.3	0.3	0.2	0.1	0.1		
	OBS./EXP.		1.090	1.500	0.000	0.000	0.000	0.000	16.490	0.000		
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	12.029	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=FGH?	HOMO.	TREND.	
	PROB.	0.8868	0.8150	0.8116	0.7904	0.2491	0.7737	0.9078	0.3799	0.2934	0.0169	0.2149
1963-66	OBS.	6	1	2	3	0	0	0	0	0		
	EXP.		1.1	2.3	1.3	0.4	0.4	0.2	0.1	0.1		
	OBS./EXP.		0.873	0.866	2.288	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		2.634	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=FGH?	HOMO.	TREND.	
	PROB.	0.3281	0.8087	0.8079	0.7864	0.7734	0.7750	0.4783	0.5638	0.8089	0.8373	0.8098
1967-70	OBS.	8	2	2	3	0	1	0	0	0		
	EXP.		1.6	3.0	1.7	0.6	0.6	0.3	0.1	0.1		
	OBS./EXP.		1.265	0.664	1.804	0.000	1.708	0.000	0.000	0.000		
	RELATIVE RISK		1.000		2.071	0.000	1.960	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=FGH?	HOMO.	TREND.	
	PROB.	0.4004	0.8211	0.3299	0.8001	0.7756	0.7745	0.3979	0.6173	0.8231	0.8868	0.7119
1971-74	OBS.	13	1	10	1	0	1	0	0	0		
	EXP.		2.6	4.9	2.7	0.9	1.0	0.5	0.2	0.2		
	OBS./EXP.		0.381	2.058	0.377	0.000	1.005	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.257	0.000	0.684	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=FGH?	HOMO.	TREND.	
	PROB.	0.3843	0.8678	0.6850	0.8338	0.7881	0.2947	0.9273	0.8313	0.8686	0.2267	0.9779
1975-78	OBS.	5	1	1	0	0	3	0	0	0		
	EXP.		1.0	1.8	0.9	0.4	0.4	0.2	0.1	0.1		
	OBS./EXP.		0.957	0.560	0.000	0.000	6.692	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	0.000	9.474	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=FGH?	HOMO.	TREND.	
	PROB.	0.3447	0.7971	0.0524	0.7839	0.7679	0.7697	0.8650	0.1700	0.7977	0.0193	0.2092

TABLE 21-1 MALIGNANT NEOPLASMS OF CERVIX UTERI

TABLE 21-1

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

		T-65 TOTAL DOSE IN RAD									
YEAR CLASS	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	
			A	B	C	D	E	F	G	H	
1950-78	OBS.	72	18	24	19	3	5	1	1	1	
TOTAL	EXP.		26.8	21.1	14.3	4.1	3.0	1.4	0.6	0.8	
	OBS./EXP.		0.671	1.139	1.332	0.727	1.691	0.727	1.643	1.285	
	RELATIVE RISK		1.000		1.518	0.828	1.922	0.829	1.873	1.466	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.1665	0.6445	0.2928	0.6432	0.3179	0.3442	0.2271	0.2901	0.4079	0.3957
											TREND.
											0.1857
1950-54	OBS.	4	1	0	2	1	0	0	0	0	
	EXP.		1.6	1.2	0.8	0.2	0.1	0.1	0.0	0.0	
	OBS./EXP.		0.637	0.000	2.432	4.591	0.000	0.000	0.000	0.000	
	RELATIVE RISK		1.000		4.629	12.512	0.000	0.000	0.000	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.2753	0.2483	0.7663	0.7627	0.7614	0.7615	0.1519	0.7709	0.7650	0.5289
											TREND.
											0.4795
1955-58	OBS.	14	3	6	3	0	2	0	0	0	
	EXP.		5.3	4.1	2.9	0.8	0.5	0.2	0.1	0.1	
	OBS./EXP.		0.568	1.466	1.036	0.000	4.091	0.000	0.000	0.000	
	RELATIVE RISK		1.000		1.080	0.000	4.263	0.000	0.000	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.4262	0.8308	0.2240	0.7860	0.7739	0.7771	0.6286	0.4347	0.8103	0.3364
											TREND.
											0.4502
1959-62	OBS.	7	2	2	1	0	0	0	1	1	
	EXP.		2.6	2.1	1.4	0.4	0.2	0.1	0.1	0.1	
	OBS./EXP.		0.757	0.966	0.703	0.000	0.000	0.000	17.575	13.050	
	RELATIVE RISK		1.000		0.823	0.000	0.000	0.000	20.707	15.376	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.6167	0.7989	0.7875	0.7738	0.2461	0.2470	0.6996	0.2407	0.0903	0.0002
											TREND.
											0.0002
1963-66	OBS.	8	0	4	3	1	0	0	0	0	
	EXP.		2.9	2.4	1.7	0.5	0.3	0.2	0.1	0.1	
	OBS./EXP.		0.000	1.692	1.817	2.169	0.000	0.000	0.000	0.000	
	RELATIVE RISK		1.000		2.385	2.247	0.000	0.000	0.000	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.3484	0.2611	0.7921	0.7762	0.7681	0.7692	0.2746	0.8161	0.7907	0.4706
											TREND.
											0.5904
1967-70	OBS.	14	4	5	5	0	0	0	0	0	
	EXP.		5.1	4.1	2.8	0.8	0.4	0.3	0.1	0.2	
	OBS./EXP.		0.791	1.209	1.808	0.000	0.000	0.000	0.000	0.000	
	RELATIVE RISK		1.000		1.846	0.000	0.000	0.000	0.000	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.3034	0.8359	0.8284	0.7967	0.7739	0.7764	0.4632	0.8647	0.8185	0.7458
											TREND.
											0.8429
1971-74	OBS.	12	4	5	2	0	1	0	0	0	
	EXP.		4.2	3.6	2.3	0.7	0.6	0.3	0.1	0.2	
	OBS./EXP.		0.957	1.372	0.868	0.000	1.682	0.000	0.000	0.000	
	RELATIVE RISK		1.000		0.755	0.000	1.662	0.000	0.000	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.6659	0.8394	0.3677	0.8023	0.7771	0.7812	0.7564	0.6908	0.8288	0.9535
											TREND.
											0.7448
1975-78	OBS.	13	4	2	3	1	2	1	0	0	
	EXP.		5.2	3.6	2.4	0.7	0.6	0.3	0.1	0.1	
	OBS./EXP.		0.772	0.553	1.242	1.354	3.542	3.978	0.000	0.000	
	RELATIVE RISK		1.000		1.821	1.986	5.224	5.833	0.000	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
	PROB.	0.4291	0.3081	0.2512	0.2551	0.7689	0.7712	0.3453	0.1822	0.2755	0.3672
											TREND.
											0.1277

TABLE 22-1 MALIGNANT NEOPLASMS OF BLADDER, AND OF OTHER OR
UNSPECIFIED URINARY ORGANS
HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

TABLE 22-1

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	104 43.8	39 43.8	26 28.3	18 19.4	7 5.6	7 3.8	4 1.5	2 0.7	1 1.0		
	OBS./EXP. RELATIVE RISK		0.891 1.000	0.920 1.000	0.926 1.026	1.240 1.374	1.858 2.058	2.736 3.031	2.832 3.137	1.021 1.131		
	TEST PROB.	AB=CF 0.4658	AB=DF 0.3336	AB=EF 0.0989	AB=FF 0.0678	AB=GF 0.2451	AB=HF 0.3797	AB=CG 0.4266	AB=EH 0.0199	AB=FGH 0.0583	HOMO. 0.1427	TREND. 0.0100
1950-54	OBS. EXP.	6 2.7	2 2.7	2 1.6	1 1.1	1 0.3	0 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		0.749 1.000	1.234 1.000	0.948 1.017	3.583 3.844	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=CF 0.4588	AB=DF 0.2712	AB=EF 0.7844	AB=FF 0.7692	AB=GF 0.7647	AB=HF 0.7675	AB=CG 0.3687	AB=EH 0.8016	AB=FGH 0.7801	HOMO. 0.9273	TREND. 0.6098
1955-58	OBS. EXP.	8 3.3	4 3.3	2 2.2	1 1.6	0 0.4	1 0.3	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		1.203 1.000	0.893 1.000	0.642 0.596	0.000 0.000	3.924 3.641	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=CF 0.7251	AB=DF 0.8115	AB=EF 0.2759	AB=FF 0.7743	AB=GF 0.7647	AB=HF 0.7687	AB=CG 0.7790	AB=EH 0.3112	AB=FGH 0.7875	HOMO. 0.3687	TREND. 0.5267
1959-62	OBS. EXP.	14 6.1	6 6.1	6 3.7	1 2.8	0 0.8	1 0.5	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.989 1.000	1.616 1.000	0.381 0.310	0.000 0.000	2.140 1.744	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=CF 0.8552	AB=DF 0.8447	AB=EF 0.3229	AB=FF 0.7844	AB=GF 0.7716	AB=HF 0.7779	AB=CG 0.8972	AB=EH 0.5374	AB=FGH 0.8077	HOMO. 0.7516	TREND. 0.7066
1963-66	OBS. EXP.	23 9.8	7 9.8	7 6.2	5 4.5	1 1.2	1 0.7	2 0.3	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		0.718 1.000	1.137 1.000	1.112 1.263	0.806 0.916	1.379 1.568	6.607 7.508	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=CF 0.4334	AB=DF 0.5863	AB=EF 0.3325	AB=FF 0.0699	AB=GF 0.7747	AB=HF 0.7790	AB=CG 0.4318	AB=EH 0.2242	AB=FGH 0.2328	HOMO. 0.1367	TREND. 0.1628
1967-70	OBS. EXP.	14 5.5	4 5.5	0 3.8	3 2.5	2 0.9	1 0.7	2 0.3	1 0.1	1 0.2		
	OBS./EXP. RELATIVE RISK		0.724 1.000	0.000 1.000	1.192 2.786	2.287 5.344	1.533 3.582	7.184 16.790	7.131 16.647	5.277 12.333		
	TEST PROB.	AB=CF 0.2951	AB=DF 0.1789	AB=EF 0.2621	AB=FF 0.0015	AB=GF 0.2441	AB=HF 0.2476	AB=CG 0.1537	AB=EH 0.0018	AB=FGH 0.0002	HOMO. 0.0005	TREND. 0.0000
1971-74	OBS. EXP.	22 9.3	11 9.3	5 5.9	5 4.1	0 1.2	1 0.8	0 0.3	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		1.177 1.000	0.844 1.000	1.205 1.150	0.000 0.000	1.332 1.271	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=CF 0.4254	AB=DF 0.8575	AB=EF 0.3340	AB=FF 0.7916	AB=GF 0.7759	AB=HF 0.7806	AB=CG 0.6049	AB=EH 0.6584	AB=FGH 0.8190	HOMO. 0.9215	TREND. 0.7898
1975-78	OBS. EXP.	17 7.1	5 7.1	4 4.7	2 3.1	3 0.9	2 0.7	0 0.2	1 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		0.701 1.000	0.855 1.000	0.642 0.842	3.424 4.494	2.963 3.889	0.000 0.000	8.475 11.123	0.000 0.000		
	TEST PROB.	AB=CF 0.6245	AB=DF 0.0875	AB=EF 0.1900	AB=FF 0.7747	AB=GF 0.2497	AB=HF 0.7707	AB=CG 0.3529	AB=EH 0.1657	AB=FGH 0.2889	HOMO. 0.0240	TREND. 0.0558

TABLE 22-2 MALIGNANT NEOPLASMS OF BLADDER, AND OF OTHER OR
UNSPECIFIED URINARY ORGANS
HIROSHIMA + NAGASAKI, MALE, ALL AGES

TABLE 22-2

		7-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	60	20	18	9	5	4	2	1	1
	EXP.	24.9	16.5	10.7	3.3	2.5	0.9	0.4	0.7	
	OBS./EXP. RELATIVE RISK	0.804	1.091	0.840	1.510	1.583	2.119	2.234	1.456	
	TEST PROB.	AB=C? 0.6149	AB=D? 0.2843	AB=E? 0.2752	AB=F? 0.3287	AB=G? 0.2892	AB=H? 0.3262	AB=I? 0.4638	AB=J? 0.1336	AB=K? 0.2222
										AB=L? 0.6278
										AB=M? 0.0546
1950-54	OBS. EXP.	6	2	2	1	1	0	0	0	0
	RELATIVE RISK	0.749	1.234	0.948	3.583	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.4588	AB=D? 0.2712	AB=E? 0.7348	AB=F? 0.7692	AB=G? 0.7647	AB=H? 0.7675	AB=I? 0.3687	AB=J? 0.8016	AB=K? 0.7801
										AB=L? 0.9273
										AB=M? 0.6185
1955-58	OBS. EXP.	4	2	1	0	0	1	0	0	0
	RELATIVE RISK	1.124	0.939	0.000	0.000	7.206	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.8418	AB=D? 0.7881	AB=E? 0.2567	AB=F? 0.7672	AB=G? 0.7635	AB=H? 0.7658	AB=I? 0.8575	AB=J? 0.2704	AB=K? 0.7754
										AB=L? 0.4944
										AB=M? 0.3752
1959-62	OBS. EXP.	10	3	6	1	0	0	0	0	0
	RELATIVE RISK	0.714	2.198	0.543	0.000	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.7995	AB=D? 0.8312	AB=E? 0.8122	AB=F? 0.7806	AB=G? 0.7698	AB=H? 0.7762	AB=I? 0.8500	AB=J? 0.8416	AB=K? 0.3019
										AB=L? 0.5544
										AB=M? 0.8160
1963-66	OBS. EXP.	6	2	2	1	1	0	0	0	0
	RELATIVE RISK	0.812	1.231	0.921	2.808	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.5755	AB=D? 0.2870	AB=E? 0.7975	AB=F? 0.7773	AB=G? 0.7685	AB=H? 0.7717	AB=I? 0.3723	AB=J? 0.8232	AB=K? 0.7940
										AB=L? 0.9693
										AB=M? 0.6343
1967-70	OBS. EXP.	11	3	0	2	2	1	2	0	1
	RELATIVE RISK	0.725	0.000	1.020	2.727	1.797	8.274	0.000	6.133	
	TEST PROB.	AB=C? 0.4077	AB=D? 0.1647	AB=E? 0.2562	AB=F? 0.0004	AB=G? 0.7632	AB=H? 0.2657	AB=I? 0.2001	AB=J? 0.0061	AB=K? 0.0024
										AB=L? 0.0014
										AB=M? 0.0001
1971-74	OBS. EXP.	11	5	3	3	0	0	0	0	0
	RELATIVE RISK	1.108	1.008	1.482	0.000	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.4018	AB=D? 0.8254	AB=E? 0.8087	AB=F? 0.7826	AB=G? 0.7722	AB=H? 0.7742	AB=I? 0.4395	AB=J? 0.8410	AB=K? 0.3054
										AB=L? 0.9566
										AB=M? 0.8242
1975-78	OBS. EXP.	12	3	4	1	1	2	0	1	0
	RELATIVE RISK	0.386	1.208	0.475	1.664	4.030	0.000	12.200	0.000	
	TEST PROB.	AB=C? 0.7332	AB=D? 0.2977	AB=E? 0.1330	AB=F? 0.7721	AB=G? 0.2681	AB=H? 0.7695	AB=I? 0.3797	AB=J? 0.1311	AB=K? 0.2802
										AB=L? 0.0160
										AB=M? 0.0495

TABLE 22-3 MALIGNANT NEOPLASMS OF BLADDER, AND OF OTHER OR
UNSPECIFIED URINARY ORGANS
HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

TABLE 22-3

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS, TOTAL	44	19	8	9	2	3	2	1	0
	EXP,		18.9	11.7	8.7	2.3	1.2	0.5	0.3	0.3
	OBS./EXP. RELATIVE RISK		1.006	0.681	1.031	0.857	2.418	3.861	3.867	0.000
			1.000		1.170	0.972	2.743	4.380	4.387	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND,
		0.4773	0.5375	0.1756	0.1438	0.2634	0.7830	0.4685	0.0436	0.1189
										0.1654
										0.0504
1950-54	OBS, TOTAL	0	0	0	0	0	0	0	0	0
	EXP,									
	OBS./EXP. RELATIVE RISK									
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND,
		X	X	X	X	X	X	X	X	X
1955-58	OBS, TOTAL	4	2	1	1	0	0	0	0	0
	EXP,		1.5	1.2	0.8	0.2	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.292	0.831	1.188	0.000	0.000	0.000	0.000	0.000
			1.000		1.079	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND,
		0.4276	0.7453	0.7815	0.7699	0.7645	0.7646	0.6193	0.7966	0.7778
										0.9957
										0.6795
1959-62	OBS, TOTAL	4	3	0	0	0	1	0	0	0
	EXP,		1.9	1.0	0.8	0.2	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.610	0.000	0.000	0.000	11.263	0.000	0.000	0.000
			1.000		0.000	0.000	10.685	0.000	0.000	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND,
		0.8479	0.7895	0.2503	0.7659	0.7630	0.7632	0.8636	0.2592	0.7714
										0.0973
										0.2530
1963-66	OBS, TOTAL	17	5	5	4	0	1	2	0	0
	EXP,		7.3	4.3	3.4	0.9	0.5	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.686	1.104	1.172	0.000	2.156	9.757	0.000	0.000
			1.000		1.386	0.000	2.548	11.534	0.000	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND,
		0.4300	0.8270	0.2866	0.0178	0.7685	0.7702	0.6308	0.0897	0.1059
										0.0102
										0.0623
1967-70	OBS, TOTAL	3	1	0	1	0	0	0	1	0
	EXP,		1.4	0.7	0.6	0.1	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.724	0.000	1.798	0.000	0.000	0.000	36.954	0.000
			1.000		3.805	0.000	0.000	0.000	72.205	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND,
		0.2727	0.7735	0.7701	0.7641	0.2414	0.7633	0.2824	0.2504	0.2450
										0.0000
										0.0245
1971-74	OBS, TOTAL	11	6	2	2	0	1	0	0	0
	EXP,		4.8	2.9	2.1	0.6	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.242	0.679	0.941	0.000	3.452	0.000	0.000	0.000
			1.000		0.935	0.000	3.163	0.000	0.000	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND,
		0.5764	0.8154	0.2752	0.7729	0.7653	0.7665	0.6753	0.3107	0.7829
										0.5690
										0.5473
1975-78	OBS, TOTAL	5	2	0	1	2	0	0	0	0
	EXP,		2.0	1.4	1.0	0.3	0.2	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.993	0.000	0.987	7.289	0.000	0.000	0.000	0.000
			1.000		1.667	12.279	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND,
		0.3216	0.0786	0.7711	0.7646	0.7621	0.7624	0.2407	0.7787	0.7684
										0.0847
										0.4412

TABLE 22-4 MALIGNANT NEOPLASMS OF BLADDER, AND OF OTHER OR
UNSPECIFIED URINARY ORGANS
HIROSHIMA, MALE + FEMALE, ALL AGES

TABLE 22-4

		T=65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	90	38 40.7	23 23.3	13 16.6	5 4.5	6 2.8	4 1.0	1 0.5	0 0.7
	OBS./EXP. RELATIVE RISK		0.934 1.000	0.985	0.784 0.823	1.123 1.179	2.158 2.266	4.120 4.325	2.126 2.232	0.000 0.000
	TEST PROB.	AB=C? 0.7132	AB=D? 0.4351	AB=E? 0.1216	AB=F? 0.0360	AB=G? 0.2991	AB=H? 0.8191	AB=I? 0.6466	AB=J? 0.0393	AB=K? 0.1257
1950-54	OBS. EXP.	6	2 2.7	2 1.6	1 1.1	1 0.3	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		0.749 1.000	1.234	0.948 1.017	3.583 3.844	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4388	AB=D? 0.2712	AB=E? 0.7848	AB=F? 0.7692	AB=G? 0.7647	AB=H? 0.7675	AB=I? 0.3687	AB=J? 0.8016	AB=K? 0.7801
1955-58	OBS. EXP.	7	4 3.2	1 1.8	1 1.3	0 0.4	1 0.2	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.261 1.000	0.554	0.768 0.764	0.000 0.000	4.797 4.776	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6546	AB=D? 0.8010	AB=E? 0.2662	AB=F? 0.7699	AB=G? 0.7649	AB=H? 0.7672	AB=I? 0.7192	AB=J? 0.2896	AB=K? 0.7805
1959-62	OBS. EXP.	13	6 5.8	5 3.4	1 2.4	0 0.7	1 0.4	0 0.1	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.026 1.000	1.485	0.418 0.350	0.000 0.000	2.457 2.058	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8316	AB=D? 0.8351	AB=E? 0.3051	AB=F? 0.7790	AB=G? 0.7694	AB=H? 0.7735	AB=I? 0.8762	AB=J? 0.3849	AB=K? 0.7980
1963-66	OBS. EXP.	20	7 9.2	6 5.0	3 3.8	1 1.0	1 0.6	2 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		0.763 1.000	1.201	0.783 0.853	0.994 1.083	1.816 1.979	9.394 10.237	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6303	AB=D? 0.4302	AB=E? 0.3087	AB=F? 0.0381	AB=G? 0.7706	AB=H? 0.7740	AB=I? 0.6043	AB=J? 0.1590	AB=K? 0.1650
1967-70	OBS. EXP.	10	4 4.5	0 2.6	1 1.8	1 0.5	1 0.3	2 0.1	1 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		0.891 1.000	0.000	0.555 0.985	2.009 3.564	3.042 5.395	16.728 29.673	15.885 28.177	0.000 0.000
	TEST PROB.	AB=C? 0.5687	AB=D? 0.2773	AB=E? 0.2621	AB=F? 0.0015	AB=G? 0.2441	AB=H? 0.7674	AB=I? 0.3702	AB=J? 0.0047	AB=K? 0.0013
1971-74	OBS. EXP.	19	10 8.7	5 4.9	4 3.6	0 0.9	0 0.5	0 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.156 1.000	1.029	1.120 1.009	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4735	AB=D? 0.8481	AB=E? 0.8150	AB=F? 0.7842	AB=G? 0.7716	AB=H? 0.7763	AB=I? 0.6660	AB=J? 0.8474	AB=K? 0.8065
1975-78	OBS. EXP.	15	5 6.7	4 4.0	2 2.8	2 0.7	2 0.5	0 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		0.748 1.000	0.994	0.727 0.865	2.264 3.408	3.962 4.714	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6245	AB=D? 0.2787	AB=E? 0.1900	AB=F? 0.7747	AB=G? 0.7680	AB=H? 0.7707	AB=I? 0.4317	AB=J? 0.3455	AB=K? 0.7906

TABLE 22-5 MALIGNANT NEOPLASMS OF BLADDER, AND OF OTHER OR
UNSPECIFIED URINARY ORGANS
NAGASAKI, MALE + FEMALE, ALL AGES

TABLE 22-5

YEAR	CLASS	T=65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	14	1 3.1	3 4.9	5 2.9	2 1.2	1 1.0	0 0.5	1 0.2	1 0.3		
	OBS./EXP. RELATIVE RISK		0.327 1.000	0.611	1.754 3.494	1.678 3.342	1.012 2.016	0.000 0.000	4.236 8.438	3.636 7.242		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
		0.1373	0.3262	0.2972	0.7885	0.2535	0.2560	0.1074	0.2510	0.2932	0.2404	0.0573
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
		X	X	X	X	X	X	X	X	X	X	X
1955-58	OBS. EXP.	1	0 0.2	1 0.4	0 0.3	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000 1.000	2.297	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
		0.8331	0.7846	0.7766	0.7681	0.7635	0.7633	0.8478	0.7890	0.7741	0.9885	0.6030
1959-62	OBS. EXP.	1	0 0.2	1 0.3	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000 1.000	2.885	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
		0.5108	0.7895	0.7820	0.7703	0.7644	0.7685	0.3489	0.8006	0.7816	0.9659	0.6753
1963-66	OBS. EXP.	3	0 0.6	1 1.2	2 0.7	0 0.2	0 0.2	0 0.1	0 0.0	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.863	3.002 5.233	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
		0.3394	0.7935	0.7888	0.7747	0.7675	0.7694	0.4503	0.8129	0.7892	0.7885	0.6947
1967-70	OBS. EXP.	4	0 1.0	0 1.2	2 0.7	1 0.4	0 0.3	0 0.2	0 0.1	0 0.1	1 0.1	
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	2.797 X	2.651 X	0.000 X	0.000 X	0.000 X	0.000 X	10.493 X	
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
		0.1499	0.2398	X	X	X	0.2398	0.1056	0.2398	0.2398	0.0394	0.0271
1971-74	OBS. EXP.	3	1 0.7	0 1.1	1 0.6	0 0.3	1 0.2	0 0.1	0 0.1	0 0.1	0 0.1	
	OBS./EXP. RELATIVE RISK		1.450 1.000	0.000	1.730 3.032	0.000 0.000	4.872 8.536	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
		0.2807	0.7919	0.2507	0.7748	0.7675	0.7686	0.3062	0.2623	0.7889	0.6476	0.3943
1975-78	OBS. EXP.	2	0 0.5	0 0.7	0 0.4	1 0.2	0 0.2	0 0.1	1 0.0	0 0.0	0 0.0	
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	0.000 X	5.620 X	0.000 X	0.000 X	22.206 X	0.000 X	0.000 X	
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
		X	0.2398	X	X	0.2398	X	0.2398	0.2398	0.2398	0.0005	0.0447

TABLE 23-1 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

TABLE 23-1

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS. TOTAL	106	44	21	22	7	2	6	1	3
	EXP.		39.6	31.1	19.9	6.2	4.8	2.1	1.0	1.3
	OBS./EXP. RELATIVE RISK		1.112	0.675	1.107	1.127	0.418	2.794	1.029	2.284
			1.000		1.204	1.226	0.455	3.039	1.119	2.484
	TEST PROB.	AB=C? 0.3365	AB=D? 0.4507	AB=E? 0.8298	AB=F? 0.0483	AB=G? 0.3970	AB=H? 0.2314	AB=I? 0.3109	AB=E+H? 0.2441	AB=FGH? 0.0388
									AB=FGH? 0.0388	HOMO. 0.0381
										TREND. 0.0343
1950-54	OBS. EXP.	8	4	1	2	0	0	0	1	0
			3.3	2.2	1.5	0.4	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.194	0.453	1.307	0.000	0.000	0.000	18.370	0.000
			1.000		1.454	0.000	0.000	0.000	20.423	0.000
	TEST PROB.	AB=C? 0.3731	AB=D? 0.8031	AB=E? 0.7919	AB=F? 0.7742	AB=G? 0.2453	AB=H? 0.7702	AB=I? 0.4098	AB=E+H? 0.3036	AB=FGH? 0.2656
										HOMO. 0.0110
										TREND. 0.1483
1955-58	OBS. EXP.	6	2	2	2	0	0	0	0	0
			1.9	2.0	1.2	0.4	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.046	1.020	1.694	0.000	0.000	0.000	0.000	0.000
			1.000		1.641	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.3683	AB=D? 0.7981	AB=E? 0.7893	AB=F? 0.7737	AB=G? 0.7663	AB=H? 0.7696	AB=I? 0.3453	AB=E+H? 0.3114	AB=FGH? 0.7873
										HOMO. 0.9805
										TREND. 0.7689
1959-62	OBS. EXP.	10	3	1	4	0	0	1	0	1
			3.8	3.0	1.9	0.6	0.4	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.797	0.331	2.064	0.000	0.000	5.941	0.000	9.461
			1.000		3.501	0.000	0.000	10.076	0.000	16.045
	TEST PROB.	AB=C? 0.1693	AB=D? 0.7968	AB=E? 0.7874	AB=F? 0.2488	AB=G? 0.7664	AB=H? 0.2465	AB=I? 0.2523	AB=E+H? 0.1759	AB=FGH? 0.0499
										HOMO. 0.0215
										TREND. 0.0049
1963-66	OBS. EXP.	14	6	4	2	1	0	1	0	0
			5.6	4.0	2.6	0.8	0.6	0.3	0.1	0.2
	OBS./EXP. RELATIVE RISK		1.080	1.008	0.778	1.232	0.000	3.364	0.000	0.000
			1.000		0.741	1.173	0.000	3.679	0.000	0.000
	TEST PROB.	AB=C? 0.6670	AB=D? 0.4061	AB=E? 0.8270	AB=F? 0.2768	AB=G? 0.7752	AB=H? 0.7795	AB=I? 0.6206	AB=E+H? 0.6415	AB=FGH? 0.3274
										HOMO. 0.8688
										TREND. 0.5330
1967-70	OBS. EXP.	20	9	4	3	2	1	1	0	0
			7.3	5.7	3.8	1.2	1.0	0.4	0.2	0.3
	OBS./EXP. RELATIVE RISK		1.230	0.696	0.791	1.634	0.986	2.232	0.000	0.000
			1.000		0.795	1.643	0.991	2.243	0.000	0.000
	TEST PROB.	AB=C? 0.6617	AB=D? 0.3877	AB=E? 0.4033	AB=F? 0.2819	AB=G? 0.7762	AB=H? 0.7821	AB=I? 0.5210	AB=E+H? 0.3860	AB=FGH? 0.3400
										HOMO. 0.9088
										TREND. 0.5581
1971-74	OBS. EXP.	20	7	3	5	1	1	1	0	2
			7.7	5.9	3.8	1.1	0.8	0.3	0.2	0.2
	OBS./EXP. RELATIVE RISK		0.914	0.508	1.330	0.891	1.233	2.877	0.000	8.706
			1.000		1.805	1.209	1.672	3.903	0.000	11.810
	TEST PROB.	AB=C? 0.3171	AB=D? 0.3970	AB=E? 0.3251	AB=F? 0.2723	AB=G? 0.7756	AB=H? 0.0499	AB=I? 0.3249	AB=E+H? 0.1459	AB=FGH? 0.1018
										HOMO. 0.0170
										TREND. 0.0009
1975-78	OBS. EXP.	28	13	6	4	3	0	2	0	0
			10.2	8.3	5.1	1.7	1.4	0.7	0.3	0.4
	OBS./EXP. RELATIVE RISK		1.250	0.727	0.785	1.741	0.000	2.983	0.000	0.000
			1.000		0.761	1.638	0.000	2.892	0.000	0.000
	TEST PROB.	AB=C? 0.6869	AB=D? 0.4310	AB=E? 0.8763	AB=F? 0.3529	AB=G? 0.7950	AB=H? 0.7999	AB=I? 0.5258	AB=E+H? 0.7123	AB=FGH? 0.3800
										HOMO. 0.3910
										TREND. 0.6349

TABLE 23-2 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

TABLE 23-2

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS. TOTAL	3	0	2	0	0	0	1	0	0		
	EXP.		0.9	1.0	0.7	0.2	0.1	0.1	0.0	0.0		
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.910	0.000 0.000	0.000 0.000	0.000 0.000	17.554 16.811	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=CD? 0.8576	AB=0? 0.7926	AB=E? 0.7818	AB=F? 0.2461	AB=G? 0.7856	AB=H? 0.7694	AB=CD? 0.8737	AB=E-H? 0.2664	AB=FGH? 0.2533	HOMO. 0.0096	TREND. 0.0911
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=CD? X	AB=0? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1955-58	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=CD? X	AB=0? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1959-62	OBS. EXP.	1	0	0	0	0	0	1	0	0		
	RELATIVE RISK		0.000 0.5	0.000 0.3	0.000 0.2	0.000 0.0	0.000 0.0	115.239 0.0	0.000 0.0	0.000 0.0	0.000 0.0	0.000 0.0
	TEST PROB.	AB=CD? X	AB=0? X	AB=E? X	AB=F? 0.2398	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? 0.2398	AB=FGH? 0.2398	HOMO. 0.0000	TREND. 0.0000
1963-66	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=CD? X	AB=0? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X
1967-70	OBS. EXP.	1	0	1	0	0	0	0	0	0		
	RELATIVE RISK		0.000 0.2	2.554 0.4	0.000 0.3	0.000 0.1	0.000 0.0	0.000 0.0	0.000 0.0	0.000 0.0	0.000 0.0	0.000 0.0
	TEST PROB.	AB=CD? 0.8340	AB=0? 0.7823	AB=E? 0.7755	AB=F? 0.7696	AB=G? 0.7642	AB=H? 0.7663	AB=CD? 0.8472	AB=E-H? 0.7923	AB=FGH? 0.7788	HOMO. 0.9504	TREND. 0.6134
1971-74	OBS. EXP.	1	0	1	0	0	0	0	0	0		
	RELATIVE RISK		0.000 0.2	2.541 0.4	0.000 0.2	0.000 0.1	0.000 0.0	0.000 0.0	0.000 0.0	0.000 0.0	0.000 0.0	0.000 0.0
	TEST PROB.	AB=CD? 0.8311	AB=0? 0.7829	AB=E? 0.7744	AB=F? 0.7682	AB=G? 0.7636	AB=H? 0.7663	AB=CD? 0.8449	AB=E-H? 0.7397	AB=FGH? 0.7770	HOMO. 0.9809	TREND. 0.6114
1975-78	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	AB=CD? X	AB=0? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? X	AB=E-H? X	AB=FGH? X	HOMO. X	TREND. X

TABLE 23-3 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
MIYOSHIKAWA & HAGASAKI, MALE & FEMALE, AGE ATB 10-19

TABLE 23-3

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS. TOTAL	14	8	2	1	1	1	0	1	0
	EXP.	4.9	4.5	2.2	0.8	0.9	0.4	0.2	0.2	
	OBS./EXP. RELATIVE RISK	1.835	0.442	0.457	1.314	1.161	0.000	6.563	0.000	
		1.000		0.431	1.237	1.093	0.000	6.180	0.000	
	TEST PROB.	AB=C? 0.7965	AB=D? 0.3961	AB=E? 0.3995	AB=F? 0.8113	AB=G? 0.2587	AB=H? 0.7851	AB=I? 0.7447	AB=E-H? 0.3828	AB=FGH? 0.3765
									AB=FGH? 0.2139	HOMO. 0.2139
										TREND. 0.4041
1950-54	OBS. TOTAL	1	0	0	0	0	0	0	1	0
	EXP.	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK	0.000	0.000	0.000	0.000	0.000	0.000	0.000	92.566	0.000
			X	X	X	X	X	X	X	X
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? 0.2398	AB=H? X	AB=I? X	AB=E-H? 0.2398	AB=FGH? 0.2398
									HOMO. 0.0000	TREND. 0.0007
1955-58	OBS. TOTAL	1	0	0	1	0	0	0	0	0
	EXP.	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK	0.000	0.000	6.168	0.000	0.000	0.000	0.000	0.000	0.000
			X	X	X	X	X	X	X	X
	TEST PROB.	AB=C? 0.2398	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? 0.2398	AB=E-H? X	AB=FGH? X
									HOMO. 0.6395	TREND. 0.5599
1959-62	OBS. TOTAL	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP. RELATIVE RISK									
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? X	AB=FGH? X
									HOMO. X	TREND. X
1963-66	OBS. TOTAL	1	1	0	0	0	0	0	0	0
	EXP.	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK	4.526	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		1.000								
	TEST PROB.	AB=C? 0.8131	AB=D? 0.7894	AB=E? 0.7977	AB=F? 0.7810	AB=G? 0.7661	AB=H? 0.7662	AB=I? 0.9336	AB=E-H? 0.8219	AB=FGH? 0.7911
									HOMO. 0.9324	TREND. 0.7760
1967-70	OBS. TOTAL	2	2	0	0	0	0	0	0	0
	EXP.	0.7	0.6	0.3	0.1	0.1	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK	2.923	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		1.000								
	TEST PROB.	AB=C? 0.8295	AB=D? 0.7925	AB=E? 0.7956	AB=F? 0.7812	AB=G? 0.7673	AB=H? 0.7671	AB=I? 0.8490	AB=E-H? 0.8228	AB=FGH? 0.7925
									HOMO. 0.7654	TREND. 0.7611
1971-74	OBS. TOTAL	2	1	0	0	0	1	0	0	0
	EXP.	0.9	0.6	0.3	0.1	0.1	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK	1.119	0.000	0.000	0.000	0.000	17.994	0.000	0.000	0.000
		1.000					27.572	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.7961	AB=D? 0.7691	AB=E? 0.2438	AB=F? 0.7638	AB=G? 0.7624	AB=H? 0.7638	AB=I? 0.8031	AB=E-H? 0.2486	AB=FGH? 0.7692
									HOMO. 0.0167	TREND. 0.0877
1975-78	OBS. TOTAL	7	4	2	0	1	0	0	0	0
	EXP.	2.4	2.4	1.1	0.4	0.4	0.2	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK	1.655	0.846	0.000	2.747	0.000	0.000	0.000	0.000	0.000
		1.000		0.000	2.188	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.8706	AB=D? 0.3038	AB=E? 0.5173	AB=F? 0.7908	AB=G? 0.7713	AB=H? 0.7765	AB=I? 0.7431	AB=E-H? 0.8518	AB=FGH? 0.8116
									HOMO. 0.7617	TREND. 0.7893

TABLE 23-4 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
MIYOSHIMA - NAGASAKI, MALE + FEMALE, AGE 20-34

TABLE 23-4

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	22	9 3.7	3 6.2	6 3.9	1 1.3	0 1.0	2 0.5	0 0.2	1 0.3		
	OBS./EXP. RELATIVE RISK		1.030 1.000	0.487 0.000	1.545 1.917	0.788 0.978	0.000 0.000	4.211 5.227	0.000 0.000	3.530 4.382		
	TEST PROB.	AB=C? 0.2465	AB=D? 0.5804	AB=E? 0.8408	AB=F? 0.2129	AB=G? 0.7849	AB=H? 0.2683	AB=I? 0.2868	AB=J? 0.4292	AB=FGH? 0.1661	HOMO. 0.1498	TREND. 0.0751
1950-54	OBS. EXP.	1	0 0.4	0 0.3	1 0.2	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	5.426 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	AB=C? 0.2398	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? 0.2398	AB=J? X	AB=FGH? X	HOMO. 0.7296	TREND. 0.5351
1955-58	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE RISK											
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=J? X	AB=FGH? X	HOMO. X	TREND. X
1959-62	OBS. EXP.	3	1 1.3	0 0.3	1 0.5	0 0.1	0 0.1	0 0.0	0 0.0	1 0.0		
	OBS./EXP. RELATIVE RISK		0.752 1.000	0.000 X	1.957 4.240	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	30.131 65.271		
	TEST PROB.	AB=C? 0.2666	AB=D? 0.7716	AB=E? 0.7698	AB=F? 0.7649	AB=G? 0.7626	AB=H? 0.2414	AB=I? 0.2739	AB=J? 0.2495	AB=FGH? 0.2446	HOMO. 0.0001	TREND. 0.0002
1963-66	OBS. EXP.	4	2 1.8	1 1.1	1 0.7	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		1.123 1.000	0.914 X	1.442 1.381	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3551	AB=D? 0.7876	AB=E? 0.7774	AB=F? 0.7678	AB=G? 0.7645	AB=H? 0.7667	AB=I? 0.4187	AB=J? 0.7930	AB=FGH? 0.7778	HOMO. 0.9990	TREND. 0.6922
1967-70	OBS. EXP.	3	2 1.1	0 0.9	1 0.6	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		1.843 1.000	0.000 X	1.805 1.812	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3187	AB=D? 0.7802	AB=E? 0.7737	AB=F? 0.7662	AB=G? 0.7636	AB=H? 0.7652	AB=I? 0.3543	AB=J? 0.7863	AB=FGH? 0.7740	HOMO. 0.9189	TREND. 0.7243
1971-74	OBS. EXP.	4	1 1.8	0 1.1	2 0.7	0 0.2	0 0.1	1 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.559 1.000	0.000 X	2.804 8.007	0.000 0.000	0.000 0.000	21.352 60.971	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2312	AB=D? 0.7759	AB=E? 0.7637	AB=F? 0.2417	AB=G? 0.7622	AB=H? 0.7633	AB=I? 0.2994	AB=J? 0.2494	AB=FGH? 0.2445	HOMO. 0.0014	TREND. 0.0421
1975-78	OBS. EXP.	7	3 2.3	2 2.0	0 1.2	1 0.5	0 0.4	1 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.290 1.000	1.000 X	0.000 0.000	1.829 1.576	0.000 0.000	4.155 3.580	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8801	AB=D? 0.3270	AB=E? 0.8226	AB=F? 0.2803	AB=G? 0.7797	AB=H? 0.7782	AB=I? 0.7650	AB=J? 0.6305	AB=FGH? 0.3327	HOMO. 0.6713	TREND. 0.5173

TABLE 23-5 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

TABLE 23-5

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	45	16 15.9	8 13.3	11 8.8	2 2.8	1 2.2	3 0.9	0 0.4	2 0.6
	OBS./EXP. RELATIVE RISK		1.009 1.000	0.603	1.245 1.510	1.427 1.731	0.454 0.550	3.188 3.869	0.000 0.000	3.138 3.803
	TEST PROB.	AB=C? 0.2498	AB=D? 0.3189	AB=E? 0.7258	AB=F? 0.0819	AB=G? 0.7939	AB=H? 0.2188	AB=I? 0.1974	AB=E+H? 0.2470	AB=FGH? 0.0724
									AB=FGH? 0.1115	HOMO. 0.0366
										TREND. 0.0366
1950-54	OBS. TOTAL	3	2 1.1	0 0.9	1 0.6	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.857 1.000	0.000	1.610 1.602	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3325	AB=D? 0.7859	AB=E? 0.7821	AB=F? 0.7711	AB=G? 0.7651	AB=H? 0.7676	AB=I? 0.3718	AB=E+H? 0.8008	AB=FGH? 0.7822
										HOMO. 0.9305
										TREND. 0.7131
1955-58	OBS. TOTAL	3	0 0.9	2 1.1	1 0.7	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.839	1.516 1.432	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3493	AB=D? 0.7862	AB=E? 0.7816	AB=F? 0.7713	AB=G? 0.7652	AB=H? 0.7677	AB=I? 0.4036	AB=E+H? 0.8008	AB=FGH? 0.7824
										HOMO. 0.9416
										TREND. 0.6239
1959-62	OBS. TOTAL	3	1 0.9	1 1.0	1 0.6	0 0.2	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		1.151 1.000	1.010	1.677 1.558	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3363	AB=D? 0.7866	AB=E? 0.7818	AB=F? 0.7713	AB=G? 0.7650	AB=H? 0.7677	AB=I? 0.3990	AB=E+H? 0.8008	AB=FGH? 0.7822
										HOMO. 0.9968
										TREND. 0.7239
1963-66	OBS. TOTAL	2	1 0.4	0 0.7	0 0.4	0 0.2	0 0.1	1 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		2.323 1.000	0.000	0.000 0.000	0.000 0.000	0.000 0.000	14.909 17.144	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8173	AB=D? 0.7935	AB=E? 0.7858	AB=F? 0.2461	AB=G? 0.7675	AB=H? 0.7694	AB=I? 0.8401	AB=E+H? 0.2673	AB=FGH? 0.2535
										HOMO. 0.0328
										TREND. 0.2570
1967-70	OBS. TOTAL	11	2 4.2	3 3.0	2 2.0	2 0.7	1 0.6	1 0.2	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		0.480 1.000	0.994	0.998 1.419	2.840 4.079	1.704 2.448	4.212 6.050	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3724	AB=D? 0.2372	AB=E? 0.2799	AB=F? 0.2448	AB=G? 0.7645	AB=H? 0.7682	AB=I? 0.3193	AB=E+H? 0.2902	AB=FGH? 0.2602
										HOMO. 0.4579
										TREND. 0.1702
1971-74	OBS. TOTAL	10	4 3.6	1 2.9	2 1.9	1 0.6	0 0.5	0 0.2	0 0.1	2 0.1
	OBS./EXP. RELATIVE RISK		1.097 1.000	0.350	1.045 1.360	1.614 2.100	0.000 0.000	0.000 0.000	0.000 0.000	14.906 19.395
	TEST PROB.	AB=C? 0.3753	AB=D? 0.2983	AB=E? 0.8050	AB=F? 0.7820	AB=G? 0.7706	AB=H? 0.8185	AB=I? 0.4169	AB=E+H? 0.4281	AB=FGH? 0.2171
										HOMO. 0.0002
										TREND. 0.0007
1975-78	OBS. TOTAL	13	6 5.0	1 3.7	4 2.6	1 0.8	0 0.6	1 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.210 1.000	0.273	1.539 1.894	1.314 1.618	0.000 0.000	4.387 5.400	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3323	AB=D? 0.3341	AB=E? 0.8100	AB=F? 0.2592	AB=G? 0.7719	AB=H? 0.7745	AB=I? 0.3283	AB=E+H? 0.3664	AB=FGH? 0.2833
										HOMO. 0.4920
										TREND. 0.4596

TABLE 23-6 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

TABLE 23-6

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	22	11	6	4	1	0	0	0	0
TOTAL	EXP.		9.2	6.1	4.3	1.2	0.7	0.3	0.1	0.1
	OBS./EXP.		1.192	0.981	0.935	0.830	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.844	0.749	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6446	0.6590	0.8284	0.7914	0.7748	0.7796	0.6606	0.8650	0.8175
									0.9782	0.8525
1950-54	OBS.	3	2	1	0	0	0	0	0	0
	EXP.		1.4	0.8	0.5	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.469	1.264	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8422	0.7879	0.7773	0.7660	0.7630	0.7647	0.8578	0.7885	0.7729
									0.9909	0.7027
1955-58	OBS.	2	2	0	0	0	0	0	0	0
	EXP.		0.9	0.5	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		2.252	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8256	0.7821	0.7749	0.7654	0.7626	0.7641	0.8395	0.7849	0.7713
									0.9258	0.6865
1959-62	OBS.	3	1	0	2	0	0	0	0	0
	EXP.		1.1	0.9	0.6	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		0.915	0.000	3.110	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		6.292	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2869	0.7755	0.7661	0.7628	0.7614	0.7613	0.3643	0.7706	0.7650
									0.9631	0.5914
1963-66	OBS.	7	2	3	1	1	0	0	0	0
	EXP.		3.1	1.8	1.3	0.4	0.2	0.1	0.0	0.0
	OBS./EXP.		0.641	1.653	0.772	2.595	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.763	2.562	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6537	0.2901	0.7354	0.7707	0.7667	0.7667	0.3992	0.8034	0.7805
									0.9187	0.6246
1967-70	OBS.	3	3	0	0	0	0	0	0	0
	EXP.		1.2	0.8	0.6	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		2.516	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8562	0.7940	0.7874	0.7741	0.7644	0.7663	0.8728	0.8059	0.7830
									0.6755	0.7374
1971-74	OBS.	3	1	1	1	0	0	0	0	0
	EXP.		1.1	1.0	0.6	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		0.987	1.052	1.672	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.737	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3229	0.7599	0.7763	0.7685	0.7642	0.7628	0.3606	0.7889	0.7745
									0.9989	0.6348
1975-78	OBS.	1	0	1	0	0	0	0	0	0
	EXP.		0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	3.923	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8121	0.7752	0.7660	0.7628	0.7611	0.7612	0.8226	0.7701	0.7646
									0.8919	0.6062

TABLE 23-7 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
HIROSHIMA + NAGASAKI, MALE, ALL AGES

TABLE 23-7

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	55	21 20.8	12 16.0	10 9.6	4 3.3	2 2.8	4 1.2	0 0.6	2 0.8
	OBS./EXP. RELATIVE RISK		1.011 1.000	0.749	1.039 1.159	1.221 1.361	0.724 0.808	3.329 3.712	0.000 0.000	2.539 2.831
	TEST PROB.	AB=C? 0.4628	AB=D? 0.4278	AB=E? 0.6214	AB=F? 0.0563	AB=G? 0.8059	AB=H? 0.3111	AB=I? 0.3896	AB=E-H? 0.2023	AB=FGH? 0.0809
									HOMO. 0.1671	TREND. 0.0363
1950-54	OBS. EXP.	3	2 1.3	1 0.8	0 0.5	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.494 1.000	1.249	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8413	AB=D? 0.7871	AB=E? 0.7806	AB=F? 0.7668	AB=G? 0.7634	AB=H? 0.7659	AB=I? 0.8565	AB=E-H? 0.7936	AB=FGH? 0.7751
									HOMO. 0.9901	TREND. 0.6898
1955-58	OBS. EXP.	3	2 1.3	1 0.8	0 0.5	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.499 1.000	1.255	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8413	AB=D? 0.7881	AB=E? 0.7805	AB=F? 0.7672	AB=G? 0.7635	AB=H? 0.7658	AB=I? 0.8575	AB=E-H? 0.7938	AB=FGH? 0.7754
									HOMO. 0.9897	TREND. 0.6903
1959-62	OBS. EXP.	5	2 2.0	0 1.4	2 0.9	0 0.3	0 0.2	1 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		0.979 1.000	0.000	2.297 3.979	0.000 0.000	0.000 0.000	11.156 19.323	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3370	AB=D? 0.7788	AB=E? 0.7761	AB=F? 0.2433	AB=G? 0.7632	AB=H? 0.7652	AB=I? 0.4770	AB=E-H? 0.2575	AB=FGH? 0.2477
									HOMO. 0.0793	TREND. 0.1812
1963-66	OBS. EXP.	9	4 3.8	2 2.5	2 1.6	1 0.5	0 0.3	0 0.1	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.059 1.000	0.812	1.246 1.296	1.955 2.032	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3831	AB=D? 0.3129	AB=E? 0.8033	AB=F? 0.7806	AB=G? 0.7701	AB=H? 0.7736	AB=I? 0.4030	AB=E-H? 0.5325	AB=FGH? 0.7998
									HOMO. 0.9880	TREND. 0.7098
1967-70	OBS. EXP.	12	2 4.1	4 3.6	2 2.3	2 0.8	1 0.7	1 0.3	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		0.487 1.000	1.124	0.879 1.123	2.577 3.295	1.483 1.895	3.440 4.397	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4130	AB=D? 0.3029	AB=E? 0.3030	AB=F? 0.2576	AB=G? 0.7684	AB=H? 0.7743	AB=I? 0.4249	AB=E-H? 0.4569	AB=FGH? 0.2797
									HOMO. 0.6025	TREND. 0.2580
1971-74	OBS. EXP.	10	3 3.4	1 2.9	2 1.7	0 0.6	1 0.5	1 0.2	0 0.1	2 0.1
	OBS./EXP. RELATIVE RISK		0.773 1.000	0.345	1.161 1.969	0.000 0.000	2.022 3.428	4.900 8.308	0.000 0.000	14.252 24.162
	TEST PROB.	AB=C? 0.3833	AB=D? 0.8016	AB=E? 0.2694	AB=F? 0.2509	AB=G? 0.7689	AB=H? 0.0113	AB=I? 0.3685	AB=E-H? 0.0374	AB=FGH? 0.0261
									HOMO. 0.0001	TREND. 0.0000
1975-78	OBS. EXP.	13	6 4.4	3 4.0	2 2.1	1 0.9	0 0.8	1 0.4	0 0.2	0 0.2
	OBS./EXP. RELATIVE RISK		1.371 1.000	0.750	0.958 0.891	1.135 1.056	0.000 0.000	2.448 2.279	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5998	AB=D? 0.4206	AB=E? 0.8423	AB=F? 0.3020	AB=G? 0.7839	AB=H? 0.7862	AB=I? 0.5709	AB=E-H? 0.7400	AB=FGH? 0.4171
									HOMO. 0.8837	TREND. 0.7090

TABLE 23-8 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
HIROSHIKIMA + NAGASAKI, FEMALE, ALL AGES

TABLE 23-8

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	51	23 18.8	9 15.1	12 10.3	3 2.9	0 2.0	2 0.9	1 0.4	1 0.5
	OBS./EXP. RELATIVE RISK		1.223 1.000	0.596	1.170 1.239	1.023 1.084	0.000 0.000	2.114 2.240	2.438 2.582	1.901 2.014
	TEST PROB.	AB=C? 0.3868	AB=D? 0.4361	AB=E? 0.8950	AB=F? 0.4676	AB=G? 0.2923	AB=H? 0.3103	AB=CD? 0.3962	AB=E-H? 0.4319	AB=FGH? 0.2214
										HOMO. 0.3063
										TREND. 0.2252
1950-54	OBS. TOTAL	5	2 2.0	0 1.4	2 1.0	0 0.3	0 0.2	0 0.1	1 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.995 1.000	0.000	2.009 3.435	0.000 0.000	0.000 0.000	0.000 0.000	25.797 44.105	0.000 0.000
	TEST PROB.	AB=C? 0.4099	AB=D? 0.7867	AB=E? 0.7792	AB=F? 0.7707	AB=G? 0.2425	AB=H? 0.7668	AB=CD? 0.4022	AB=E-H? 0.2629	AB=FGH? 0.2506
										HOMO. 0.0004
										TREND. 0.0544
1955-58	OBS. TOTAL	3	0 0.6	1 1.2	2 0.6	0 0.2	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.859	3.107 5.409	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3272	AB=D? 0.7314	AB=E? 0.7774	AB=F? 0.7704	AB=G? 0.7647	AB=H? 0.7666	AB=CD? 0.1502	AB=E-H? 0.7954	AB=FGH? 0.7804
										HOMO. 0.7637
										TREND. 0.6046
1959-62	OBS. TOTAL	5	1 1.7	1 1.6	2 1.1	0 0.3	0 0.2	0 0.1	0 0.0	1 0.0
	OBS./EXP. RELATIVE RISK		0.581 1.000	0.626	1.875 3.112	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	23.295 38.669
	TEST PROB.	AB=C? 0.4582	AB=D? 0.7874	AB=E? 0.7787	AB=F? 0.7709	AB=G? 0.7648	AB=H? 0.2427	AB=CD? 0.3786	AB=E-H? 0.2610	AB=FGH? 0.2493
										HOMO. 0.0015
										TREND. 0.0012
1963-66	OBS. TOTAL	5	2 1.8	2 1.5	0 1.0	0 0.3	0 0.2	1 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		1.125 1.000	1.330	0.000 0.000	0.000 0.000	0.000 0.000	8.614 7.066	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8610	AB=D? 0.8038	AB=E? 0.5009	AB=F? 0.2544	AB=G? 0.7677	AB=H? 0.7670	AB=CD? 0.8820	AB=E-H? 0.3136	AB=FGH? 0.2709
										HOMO. 0.2848
										TREND. 0.3393
1967-70	OBS. TOTAL	8	7 3.2	0 2.2	1 1.5	0 0.4	0 0.3	0 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		2.183 1.000	0.000	0.659 0.508	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7583	AB=D? 0.8178	AB=E? 0.8080	AB=F? 0.7852	AB=G? 0.7700	AB=H? 0.7708	AB=CD? 0.8127	AB=E-H? 0.8368	AB=FGH? 0.8011
										HOMO. 0.2930
										TREND. 0.8523
1971-74	OBS. TOTAL	10	4 3.8	2 3.0	3 2.0	1 0.6	0 0.3	0 0.1	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.060 1.000	0.664	1.473 1.666	1.775 2.007	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4350	AB=D? 0.3147	AB=E? 0.7981	AB=F? 0.7905	AB=G? 0.7695	AB=H? 0.7727	AB=CD? 0.3972	AB=E-H? 0.8281	AB=FGH? 0.7937
										HOMO. 0.9710
										TREND. 0.7042
1975-78	OBS. TOTAL	15	7 5.8	3 4.3	2 3.0	2 0.8	0 0.6	1 0.3	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.211 1.000	0.705	0.665 0.667	2.376 2.386	0.000 0.000	3.817 3.832	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7120	AB=D? 0.4535	AB=E? 0.8270	AB=F? 0.2736	AB=G? 0.7758	AB=H? 0.7791	AB=CD? 0.4525	AB=E-H? 0.6144	AB=FGH? 0.3165
										HOMO. 0.5988
										TREND. 0.4677

TABLE 23-9 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
HIROSHIMA, MALE + FEMALE, ALL AGES

TABLE 23-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS. TOTAL	71	33	13	15	3	1	4	1	1
	EXP.	32.0	18.7	12.9	3.4	2.2	0.8	0.4	0.6	
	OBS./EXP. RELATIVE RISK	1.031	0.694	1.166	0.885	0.459	5.003	2.462	1.621	
		1.000		1.286	0.976	0.506	5.519	2.716	1.738	
	TEST PROB.	AB=C? 0.3190	AB=D? 0.5507	AB=E? 0.7562	AB=F? 0.0147	AB=G? 0.2869	AB=H? 0.3164	AB=I? 0.3516	AB=J? 0.1652	AB=K? 0.0240
										AB=L? 0.0191
										AB=M? 0.0277
1950-54	OBS. TOTAL	7	3	1	2	0	0	0	1	0
	EXP.	3.2	1.8	1.3	0.3	0.2	0.1	0.0	0.0	0.1
	OBS./EXP. RELATIVE RISK	0.946	0.557	1.552	0.000	0.000	0.000	0.000	23.419	0.000
		1.000		1.927	0.000	0.000	0.000	0.000	29.085	0.000
	TEST PROB.	AB=C? 0.3802	AB=D? 0.7938	AB=E? 0.7830	AB=F? 0.7679	AB=G? 0.2434	AB=H? 0.7664	AB=I? 0.3693	AB=J? 0.2796	AB=K? 0.2559
										AB=L? 0.0018
										AB=M? 0.0745
1955-58	OBS. TOTAL	3	2	1	0	0	0	0	0	0
	EXP.	1.3	0.8	0.5	0.1	0.1	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK	1.499	1.255	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		1.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.8418	AB=D? 0.7881	AB=E? 0.7805	AB=F? 0.7672	AB=G? 0.7635	AB=H? 0.7658	AB=I? 0.8575	AB=J? 0.7938	AB=K? 0.7754
										AB=L? 0.9597
										AB=M? 0.7129
1959-62	OBS. TOTAL	7	3	0	2	0	0	1	0	1
	EXP.	3.2	1.9	1.3	0.3	0.2	0.1	0.0	0.0	0.1
	OBS./EXP. RELATIVE RISK	0.941	0.000	1.583	0.000	0.000	0.000	12.600	0.000	18.082
		1.000		2.682	0.000	0.000	0.000	21.197	0.000	30.420
	TEST PROB.	AB=C? 0.4708	AB=D? 0.7861	AB=E? 0.7782	AB=F? 0.2448	AB=G? 0.7637	AB=H? 0.2437	AB=I? 0.3861	AB=J? 0.0924	AB=K? 0.0141
										AB=L? 0.0001
										AB=M? 0.0000
1963-66	OBS. TOTAL	11	4	2	2	1	0	0	0	0
	EXP.	4.9	2.9	2.0	0.6	0.3	0.1	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK	0.816	1.375	1.006	1.755	0.000	0.000	0.000	0.000	0.000
		1.000		0.982	1.713	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.5355	AB=D? 0.3264	AB=E? 0.7972	AB=F? 0.7760	AB=G? 0.7679	AB=H? 0.7715	AB=I? 0.4114	AB=J? 0.8225	AB=K? 0.7924
										AB=L? 0.9812
										AB=M? 0.7049
1967-70	OBS. TOTAL	12	7	3	1	0	0	1	0	0
	EXP.	5.5	3.1	2.2	0.6	0.1	0.1	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK	1.283	0.973	0.452	0.000	0.000	0.000	7.358	0.000	0.000
		1.000		0.386	0.000	0.000	0.000	6.283	0.000	0.000
	TEST PROB.	AB=C? 0.8142	AB=D? 0.8232	AB=E? 0.8058	AB=F? 0.2583	AB=G? 0.7694	AB=H? 0.7735	AB=I? 0.8555	AB=J? 0.3755	AB=K? 0.2839
										AB=L? 0.3584
										AB=M? 0.4746
1971-74	OBS. TOTAL	14	5	1	5	1	1	1	0	0
	EXP.	6.3	3.7	2.5	0.6	0.4	0.2	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK	0.792	0.267	1.991	1.559	2.308	6.387	0.000	0.000	0.000
		1.000		3.339	2.615	3.867	10.712	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.1206	AB=D? 0.2904	AB=E? 0.2704	AB=F? 0.2507	AB=G? 0.7654	AB=H? 0.7690	AB=I? 0.1162	AB=J? 0.2311	AB=K? 0.2651
										AB=L? 0.1643
										AB=M? 0.1405
1975-78	OBS. TOTAL	17	9	3	3	1	0	1	0	0
	EXP.	7.7	4.6	3.1	0.8	0.5	0.2	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK	1.174	0.658	0.973	1.282	0.000	5.544	0.000	0.000	0.000
		1.000		0.991	1.306	0.000	5.649	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.4925	AB=D? 0.3609	AB=E? 0.8080	AB=F? 0.2606	AB=G? 0.7708	AB=H? 0.7761	AB=I? 0.4361	AB=J? 0.4031	AB=K? 0.2925
										AB=L? 0.6248
										AB=M? 0.4471

TABLE 23-10 MALIGNANT NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE
EXCEPT LEUKEMIA
NAGASAKI, MALE + FEMALE, ALL AGES

TABLE 23-10

		T=45 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H
1950-78	OBS. TOTAL	35	11 7.6	8 12.4	7 7.0	4 2.8	1 2.5	2 1.3	0 0.6	2 0.7
	OBS./EXP. RELATIVE RISK		1.453 1.000	0.646	0.998 1.048	1.418 1.490	0.384 0.404	1.684 1.558	0.000 0.000	2.871 3.015
	TEST PROB.	AB=C? 0.4489	AB=D? 0.4049	AB=E? 0.8019	AB=F? 0.3813	AB=G? 0.8098	AB=H? 0.2903	AB=CD? 0.4602	AB=E-H? 0.4635	AB=FGH? 0.3764
									HOHO. 0.3378	TREND. 0.1891
1950-54	OBS. EXP.	1	1 0.2	0 0.4	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		5.620 1.000	0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8296	AB=D? 0.7810	AB=E? 0.7780	AB=F? 0.7703	AB=G? 0.7845	AB=H? 0.7647	AB=CD? 0.8425	AB=E-H? 0.7956	AB=FGH? 0.7801
									HOHO. 0.7062	TREND. 0.6964
1955-58	OBS. EXP.	3	0 0.6	1 1.2	2 0.6	0 0.2	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.859	3.107 5.409	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3272	AB=D? 0.7814	AB=E? 0.7776	AB=F? 0.7704	AB=G? 0.7647	AB=H? 0.7666	AB=CD? 0.4502	AB=E-H? 0.7954	AB=FGH? 0.7804
									HOHO. 0.7637	TREND. 0.7012
1959-62	OBS. EXP.	3	0 0.6	1 1.2	2 0.7	0 0.2	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.560	2.968 5.156	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3441	AB=D? 0.7820	AB=E? 0.7775	AB=F? 0.7704	AB=G? 0.7646	AB=H? 0.7667	AB=CD? 0.4439	AB=E-H? 0.7954	AB=FGH? 0.7803
									HOHO. 0.7962	TREND. 0.6943
1963-66	OBS. EXP.	3	2 0.7	0 1.1	0 0.6	0 0.2	0 0.2	1 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		3.071 1.000	0.000	0.000 0.000	0.000 0.000	0.000 0.000	8.070 8.895	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8361	AB=D? 0.8049	AB=E? 0.8075	AB=F? 0.2560	AB=G? 0.7700	AB=H? 0.7716	AB=CD? 0.8629	AB=E-H? 0.3152	AB=FGH? 0.2721
									HOHO. 0.1268	TREND. 0.2702
1967-70	OBS. EXP.	8	2 1.9	1 2.7	2 1.6	2 0.7	1 0.6	0 0.3	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		1.074 1.000	0.375	1.266 1.911	2.996 4.521	1.614 2.435	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3675	AB=D? 0.2463	AB=E? 0.2908	AB=F? 0.7882	AB=G? 0.7692	AB=H? 0.7719	AB=CD? 0.2727	AB=E-H? 0.3654	AB=FGH? 0.8046
									HOHO. 0.6999	TREND. 0.5582
1971-74	OBS. EXP.	6	2 1.3	2 2.2	0 1.2	0 0.5	0 0.4	0 0.2	0 0.1	2 0.1
	OBS./EXP. RELATIVE RISK		1.492 1.000	0.925	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	18.503 16.208
	TEST PROB.	AB=C? 0.8837	AB=D? 0.8170	AB=E? 0.8041	AB=F? 0.7847	AB=G? 0.7722	AB=H? 0.0196	AB=CD? 0.9065	AB=E-H? 0.4212	AB=FGH? 0.2367
									HOHO. 0.0000	TREND. 0.0003
1975-78	OBS. EXP.	11	6 2.5	3 3.7	1 2.0	2 0.9	0 0.9	1 0.5	0 0.2	0 0.2
	OBS./EXP. RELATIVE RISK		1.603 1.000	0.812	0.497 0.439	2.122 1.877	0.000 0.000	2.041 1.805	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7854	AB=D? 0.4017	AB=E? 0.8555	AB=F? 0.3260	AB=G? 0.7876	AB=H? 0.7886	AB=CD? 0.5989	AB=E-H? 0.7805	AB=FGH? 0.5839
									HOHO. 0.7019	TREND. 0.6520

TABLE 24-1 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

		T=65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	375	149	94	69	26	18	12	3	6		
TOTAL	EXP.		152.7	104.3	71.9	20.5	13.6	5.7	2.7	3.6		
	OBS./EXP.		0.978	0.901	0.960	1.267	1.319	2.121	1.127	1.104		
	RELATIVE RISK		1.000		1.015	1.340	1.395	2.243	1.192	1.167		
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7	HOMO.	TREND.
	PROB.	0.4831	0.1681	0.1980	0.0300	0.4120	0.4243	0.3267	0.0491	0.0677	0.1212	0.0189
1950-54	OBS.	31	11	9	7	2	0	1	0	1		
	EXP.		13.0	8.5	6.1	1.6	1.0	0.4	0.2	0.2		
	OBS./EXP.		0.844	1.060	1.149	1.221	0.000	2.701	0.000	4.175		
	RELATIVE RISK		1.000		1.237	1.315	0.000	2.908	0.000	4.494		
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7	HOMO.	TREND.
	PROB.	0.4890	0.3834	0.2402	0.2847	0.7794	0.2685	0.4236	0.3948	0.3466	0.6343	0.1151
1955-58	OBS.	52	25	12	7	4	2	1	0	1		
	EXP.		21.0	14.6	10.2	2.9	1.8	0.7	0.3	0.5		
	OBS./EXP.		1.189	0.824	0.688	1.376	1.110	1.381	0.000	2.109		
	RELATIVE RISK		1.000		0.682	1.324	1.068	1.328	0.000	2.029		
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7	HOMO.	TREND.
	PROB.	0.7907	0.4592	0.4283	0.3506	0.7936	0.3044	0.6986	0.4206	0.3838	0.8161	0.3083
1959-62	OBS.	58	17	19	15	1	4	1	1	0		
	EXP.		24.7	15.9	11.1	3.2	2.0	0.8	0.4	0.5		
	OBS./EXP.		0.704	1.191	1.352	0.315	2.006	1.298	2.625	0.000		
	RELATIVE RISK		1.000		1.505	0.351	2.234	1.445	2.923	0.000		
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7	HOMO.	TREND.
	PROB.	0.2051	0.8224	0.2174	0.3319	0.2813	0.8016	0.3352	0.2400	0.3823	0.2316	0.3309
1963-66	OBS.	55	24	11	11	5	2	1	0	1		
	EXP.		22.9	15.0	10.7	2.9	1.9	0.8	0.3	0.5		
	OBS./EXP.		1.050	0.731	1.029	1.704	1.059	1.306	0.000	2.007		
	RELATIVE RISK		1.000		1.114	1.844	1.147	1.614	0.000	2.173		
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7	HOMO.	TREND.
	PROB.	0.4568	0.2564	0.4043	0.3530	0.7932	0.3065	0.3396	0.4310	0.3843	0.8317	0.2565
1967-70	OBS.	54	21	12	13	3	2	2	1	0		
	EXP.		21.1	15.2	10.5	3.1	2.1	1.0	0.4	0.6		
	OBS./EXP.		0.996	0.791	1.238	0.956	0.939	2.044	2.322	0.000		
	RELATIVE RISK		1.000		1.361	1.051	1.031	2.246	2.552	0.000		
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7	HOMO.	TREND.
	PROB.	0.2996	0.4574	0.5105	0.4341	0.2963	0.8121	0.3207	0.4719	0.4561	0.8173	0.3868
1971-74	OBS.	59	22	14	10	5	6	2	0	0		
	EXP.		23.6	16.4	11.2	3.3	2.4	1.0	0.5	0.6		
	OBS./EXP.		0.932	0.853	0.892	1.508	2.528	1.960	0.000	0.000		
	RELATIVE RISK		1.000		0.991	1.676	2.809	2.178	0.000	0.000		
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7	HOMO.	TREND.
	PROB.	0.5246	0.2931	0.0608	0.3699	0.3011	0.8083	0.4362	0.1107	0.3985	0.2435	0.2625
1975-78	OBS.	66	29	17	6	6	2	4	1	1		
	EXP.		27.1	18.4	12.1	3.5	2.6	1.1	0.5	0.7		
	OBS./EXP.		1.072	0.922	0.495	1.712	0.771	3.662	1.388	1.503		
	RELATIVE RISK		1.000		0.489	1.693	0.762	3.621	1.867	1.486		
	TEST	AB=C7	AB=D7	AB=E7	AB=F7	AB=G7	AB=H7	AB=CD7	AB=E-H7	AB=FGH7	HOMO.	TREND.
	PROB.	0.9032	0.2447	0.6680	0.0706	0.3161	0.3429	0.7570	0.2374	0.0903	0.0568	0.0385

TABLE 24-2 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-2

MIYOSHIWA • NAGASAKI, MALE + FEMALE, AGE 178 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	11	0	4	0	0	2	6	0	1
TOTAL	EXP.		4.9	3.1	2.1	0.5	0.2	0.1	0.0	0.1
	OBS./EXP.		0.000	1.309	0.000	0.000	8.298	35.119	0.000	14.973
	RELATIVE RISK		1.000		0.000	0.000	16.499	69.827	0.000	29.770
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8561	0.7882	0.0260	0.0000	0.7631	0.2428	0.8701	0.0000	0.0000
1950-54	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	X	X	X	X
1955-58	OBS.	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP.									
	RELATIVE R									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS.	1	0	0	0	0	0	1	0	0
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	115.239	0.000	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	0.2398	X	X	0.2398	0.2398	0.0000
1963-66	OBS.	1	0	0	0	0	0	0	0	1
	EXP.		0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	0.000	0.000	0.000	193.496
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	0.2398	X	0.2398	0.0000
1967-70	OBS.	2	0	0	0	0	2	0	0	0
	EXP.		0.7	0.7	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	30.884	0.000	0.000	0.000
	RELATIVE RISK			X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	0.0011	X	X	X	0.0190	X	0.0000
1971-74	OBS.	2	0	1	0	0	0	1	0	0
	EXP.		0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	1.873	0.000	0.000	0.000	57.161	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	84.273	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8075	0.7721	0.7656	0.2411	0.7613	0.7616	0.3161	0.2456	0.2424
1975-78	OBS.	5	0	3	0	0	0	2	0	0
	EXP.		2.4	1.3	0.9	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	2.273	0.000	0.000	0.000	43.063	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	55.963	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8418	0.7830	0.7715	0.0000	0.7623	0.7631	0.8544	0.0403	0.0028

TABLE 24-3 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR CLASS		1-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	25 10.2	10 10.2	8 7.4	3 4.1	1 1.2	0 1.1	2 0.5	1 0.3	0 0.3		
	OBS./EXP. RELATIVE RISK		0.984 1.000	1.084 1.000	0.734 0.715	0.845 0.823	0.000 0.000	4.125 4.020	3.912 3.312	0.000 0.000		
	TEST PROB.	AB=C? 0.7006	AB=D? 0.6139	AB=E? 0.8476	AB=F? 0.1984	AB=G? 0.2697	AB=H? 0.7928	AB=CD? 0.7012	AB=E-H? 0.4234	AB=FGH? 0.1963	HOMO. 0.2724	TREND. 0.2198
1950-54	OBS. EXP.	1 0.5	1 0.5	0 0.2	0 0.2	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		2.155 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8970	AB=D? 0.7736	AB=E? 0.7703	AB=F? 0.7642	AB=G? 0.7636	AB=H? 0.7632	AB=CD? 0.8167	AB=E-H? 0.7796	AB=FGH? 0.7702	HOMO. 0.9919	TREND. 0.6075
1955-58	OBS. EXP.	1 0.2	0 0.2	0 0.4	1 0.2	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	6.157 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	AB=C? 0.2398	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=CD? 0.2398	AB=E-H? X	AB=FGH? X	HOMO. 0.6409	TREND. 0.5644
1959-62	OBS. EXP.	4 1.8	1 1.8	2 1.1	1 0.7	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.546 1.000	1.683 1.000	1.477 1.425	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3497	AB=D? 0.7833	AB=E? 0.7783	AB=F? 0.7677	AB=G? 0.7660	AB=H? 0.7667	AB=CD? 0.4013	AB=E-H? 0.7950	AB=FGH? 0.7791	HOMO. 0.9704	TREND. 0.7067
1963-66	OBS. EXP.	2 0.6	1 0.6	0 0.7	0 0.3	1 0.1	0 0.1	0 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		1.545 1.000	0.000 0.000	0.000 0.000	9.190 12.375	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.7961	AB=D? 0.2471	AB=E? 0.7680	AB=F? 0.7638	AB=G? 0.7623	AB=H? 0.7639	AB=CD? 0.2775	AB=E-H? 0.7766	AB=FGH? 0.7693	HOMO. 0.2722	TREND. 0.5068
1967-70	OBS. EXP.	1 0.4	0 0.4	1 0.3	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 1.000	3.123 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.7961	AB=D? 0.7690	AB=E? 0.7680	AB=F? 0.7637	AB=G? 0.7623	AB=H? 0.7639	AB=CD? 0.8029	AB=E-H? 0.7766	AB=FGH? 0.7693	HOMO. 0.9527	TREND. 0.6139
1971-74	OBS. EXP.	4 1.3	1 1.3	1 1.1	1 0.7	0 0.2	0 0.1	1 0.1	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.544 1.000	0.940 1.000	1.486 2.157	0.000 0.000	0.000 0.000	19.830 29.859	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3003	AB=D? 0.7767	AB=E? 0.7733	AB=F? 0.2436	AB=G? 0.7643	AB=H? 0.7611	AB=CD? 0.3199	AB=E-H? 0.2604	AB=FGH? 0.2499	HOMO. 0.0087	TREND. 0.0382
1975-78	OBS. EXP.	12 4.7	6 4.7	4 3.6	0 1.9	0 0.6	0 0.6	1 0.3	1 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		1.266 1.000	1.109 1.000	0.000 0.000	0.000 0.000	0.000 0.000	3.903 3.258	8.187 6.834	0.000 0.000		
	TEST PROB.	AB=C? 0.9085	AB=D? 0.8276	AB=E? 0.8253	AB=F? 0.2810	AB=G? 0.2564	AB=H? 0.7812	AB=CD? 0.9290	AB=E-H? 0.3745	AB=FGH? 0.3183	HOMO. 0.0964	TREND. 0.1863

TABLE 24-4 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-4

HIROSHIMA - NAGASAKI, MALE + FEMALE, AGE ATB 20-34

		Y=65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	57	28	7	8	6	6	1	0	1
TOTAL	EXP.	23.0	16.0	10.2	3.2	2.3	1.1	0.6	0.7	
	OBS./EXP.	1.219	0.438	0.784	1.877	2.596	0.910	0.000	1.402	
	RELATIVE RISK	1.000		0.872	2.088	2.888	1.013	0.000	1.560	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6289	0.1605	0.0747	0.5477	0.8109	0.3378	0.4225	0.1619	0.5770
1950-54	OBS.	2	1	0	1	0	0	0	0	0
	EXP.	0.9	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.	1.130	0.000	2.868	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		4.112	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2691	0.7717	0.7699	0.7649	0.7626	0.7635	0.2780	0.7793	0.7703
1955-58	OBS.	5	2	1	1	0	0	0	0	1
	EXP.	2.2	1.3	0.9	0.3	0.1	0.1	0.1	0.0	0.1
	OBS./EXP.	0.895	0.773	1.085	0.000	0.000	0.000	0.000	0.000	18.778
	RELATIVE RISK	1.000		1.276	0.000	0.000	0.000	0.000	0.000	22.082
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3712	0.7903	0.7768	0.7669	0.7643	0.2448	0.5305	0.2688	0.2536
1959-62	OBS.	3	1	0	0	1	1	0	0	0
	EXP.	1.1	0.9	0.6	0.2	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.	0.918	0.000	0.000	5.493	7.731	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.000	10.891	15.328	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8085	0.2483	0.2469	0.7636	0.7623	0.7635	0.2823	0.2540	0.7687
1963-66	OBS.	4	3	1	0	0	0	0	0	0
	EXP.	1.8	1.1	0.7	0.2	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.	1.680	0.940	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8560	0.7945	0.7812	0.7693	0.7655	0.7682	0.8732	0.7997	0.7814
1967-70	OBS.	9	4	1	3	1	0	0	0	0
	EXP.	3.4	2.5	1.6	0.6	0.5	0.2	0.1	0.1	0.1
	OBS./EXP.	1.179	0.396	1.893	1.761	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		2.240	2.083	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3545	0.3018	0.8126	0.7921	0.7752	0.7759	0.3061	0.8509	0.8151
1971-74	OBS.	16	7	3	0	2	4	0	0	0
	EXP.	6.0	4.6	2.9	1.0	0.7	0.4	0.2	0.2	0.2
	OBS./EXP.	1.163	0.650	0.000	2.071	5.341	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.000	2.202	5.680	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.9223	0.4849	0.0271	0.8007	0.7814	0.7841	0.7766	0.1564	0.8326
1975-78	OBS.	18	10	1	3	2	1	1	0	0
	EXP.	7.5	5.1	3.2	0.9	0.7	0.3	0.2	0.2	0.2
	OBS./EXP.	1.325	0.198	0.949	2.182	1.522	3.372	0.000	0.000	0.000
	RELATIVE RISK	1.000		1.087	2.499	1.743	3.863	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4168	0.3976	0.3237	0.2728	0.7786	0.7817	0.4517	0.3869	0.3278

TABLE 24-5 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR CLASS		Y-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	136	47	40	29	9	4	4	2	1
TOTAL	EXP.		54.8	36.9	26.8	7.5	5.4	2.1	1.0	1.4
	OBS./EXP.		0.857	1.085	1.081	1.198	0.743	1.890	2.005	0.698
	RELATIVE RISK		1.000		1.140	1.263	0.783	1.993	2.114	0.736
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3672	0.3645	0.6877	0.2380	0.4673	0.6686	0.3028	0.4657	0.2573
1950-54	OBS.	9	2	5	1	0	0	1	0	0
	EXP.		3.8	2.3	1.9	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		0.527	2.146	0.537	0.000	0.000	8.486	0.000	0.000
	RELATIVE RISK		1.000		0.470	0.000	0.000	7.424	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7754	0.8168	0.7986	0.2555	0.7689	0.7716	0.8212	0.3329	0.2753
1955-58	OBS.	12	6	3	1	0	1	1	0	0
	EXP.		4.6	3.3	2.4	0.7	0.5	0.2	0.1	0.1
	OBS./EXP.		1.291	0.896	0.411	0.000	2.139	5.117	0.000	0.000
	RELATIVE RISK		1.000		0.365	0.000	1.901	4.367	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8208	0.8337	0.3197	0.2647	0.7743	0.7790	0.6660	0.4026	0.3014
1959-62	OBS.	22	5	9	6	0	1	0	1	0
	EXP.		8.9	8.0	4.2	1.2	0.9	0.3	0.2	0.2
	OBS./EXP.		0.560	1.504	1.412	0.000	1.119	0.000	6.295	0.000
	RELATIVE RISK		1.000		1.504	0.000	1.192	0.000	6.705	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3553	0.8488	0.3935	0.7916	0.2571	0.7837	0.4379	0.3985	0.3522
1963-66	OBS.	22	9	6	6	1	0	0	0	0
	EXP.		9.1	5.9	4.4	1.1	0.8	0.3	0.1	0.2
	OBS./EXP.		0.988	1.010	1.367	0.888	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.371	0.891	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4192	0.6080	0.8360	0.7959	0.7767	0.7866	0.4576	0.8771	0.8277
1967-70	OBS.	24	8	6	5	2	0	2	1	0
	EXP.		9.3	6.6	4.8	1.4	1.0	0.4	0.2	0.3
	OBS./EXP.		0.863	0.909	1.048	1.413	0.000	4.609	4.992	0.000
	RELATIVE RISK		1.000		1.188	1.602	0.000	5.225	5.659	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4245	0.3799	0.8411	0.4395	0.2630	0.7885	0.4550	0.4166	0.1375
1971-74	OBS.	23	9	4	7	2	1	0	0	0
	EXP.		9.7	6.1	4.4	1.2	0.9	0.3	0.1	0.2
	OBS./EXP.		0.930	0.659	1.574	1.645	1.113	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.907	1.993	1.348	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2210	0.4388	0.3491	0.7291	0.7739	0.7793	0.1849	0.6295	0.8145
1975-78	OBS.	24	8	7	3	4	1	0	0	1
	EXP.		9.5	6.8	4.7	1.4	1.0	0.4	0.2	0.2
	OBS./EXP.		0.842	1.063	0.644	2.893	0.956	0.000	0.000	4.171
	RELATIVE RISK		1.000		0.691	3.103	1.028	0.000	0.000	4.475
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7246	0.0980	0.4288	0.7968	0.7781	0.2664	0.4616	0.6173	0.3664

TABLE 24-6 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

		1-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H
1950-78	OBS.	146	64	35	29	10	6	1	0	1
TOTAL	EXP.		59.8	41.0	28.7	8.2	4.6	1.8	0.8	1.1
	OBS./EXP.		1.070	0.854	1.011	1.228	1.305	0.542	0.000	0.925
	RELATIVE RISK		1.000		1.030	1.249	1.330	0.552	0.000	0.942
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4703	0.3657	0.3983	0.7333	0.9275	0.5695	0.4228	0.5294	0.7742	0.8610
TREND,										0.6162
1950-54	OBS.	19	7	4	5	2	0	0	0	1
EXP.			7.9	5.4	3.7	1.0	0.6	0.2	0.1	0.1
	OBS./EXP.		0.887	0.745	1.351	1.954	0.000	0.000	0.000	7.440
	RELATIVE RISK		1.000		1.628	2.355	0.000	0.000	0.000	8.970
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.3630	0.4004	0.8101	0.7803	0.7698	0.2533	0.2626	0.3461	0.2861	0.3072
TREND,										0.0726
1955-58	OBS.	34	17	8	4	4	1	0	0	0
EXP.			13.9	9.5	6.7	1.9	1.1	0.4	0.2	0.3
	OBS./EXP.		1.219	0.838	0.601	2.122	0.911	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.565	1.994	0.856	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.8130	0.2615	0.6147	0.8043	0.7803	0.7897	0.6243	0.7729	0.8388	0.6233
TREND,										0.7392
1959-62	OBS.	28	10	8	8	0	2	0	0	0
EXP.			11.8	7.7	5.4	1.6	0.8	0.3	0.1	0.2
	OBS./EXP.		0.846	1.033	1.479	0.000	2.426	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.608	0.000	2.637	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.2770	0.3681	0.3395	0.7891	0.7746	0.7769	0.4532	0.3820	0.8134	0.6072
TREND,										0.6371
1963-66	OBS.	26	11	4	5	3	2	1	0	0
EXP.			10.8	7.1	5.1	1.5	0.8	0.4	0.2	0.2
	OBS./EXP.		1.015	0.566	0.982	2.055	2.396	2.834	0.000	0.000
	RELATIVE RISK		1.000		1.172	2.453	2.860	3.383	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4250	0.2512	0.3152	0.2761	0.7753	0.7811	0.3489	0.2646	0.3258	0.5236
TREND,										0.1895
1967-70	OBS.	18	9	4	5	0	0	0	0	0
EXP.			7.3	5.1	3.6	1.0	0.6	0.3	0.1	0.1
	OBS./EXP.		1.230	0.789	1.404	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.337	0.000	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4669	0.8533	0.5245	0.7937	0.7732	0.7774	0.4514	0.8612	0.8165	0.8516
TREND,										0.8694
1971-74	OBS.	14	5	5	2	1	1	0	0	0
EXP.			5.1	4.1	2.8	0.9	0.6	0.3	0.1	0.1
	OBS./EXP.		0.976	1.212	0.705	1.128	1.789	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.652	1.043	1.654	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.7073	0.4099	0.3057	0.7810	0.7707	0.7706	0.6802	0.4126	0.7982	0.9592
TREND,										0.8440
1975-78	OBS.	7	5	2	0	0	0	0	0	0
EXP.			2.9	1.9	1.4	0.4	0.2	0.1	0.0	0.0
	OBS./EXP.		1.722	1.073	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.9045	0.8225	0.8007	0.7823	0.7698	0.7676	0.9244	0.8269	0.7957	0.7972
TREND,										0.8402

TABLE 24-7 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR CLASS	TOTAL	T-65 TOTAL DOSE IN RAD							
		0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 OBS. TOTAL	167	67	45	24	12	9	5	2	1
EXP.		66.5	47.3	30.3	9.4	7.3	2.9	1.3	2.0
OBS./EXP. RELATIVE RISK		1.008	0.951	0.857	1.281	1.241	1.706	1.519	0.501
TEST PROB.	AB=C? 0.6871	AB=D? 0.2865	AB=E? 0.3690	AB=F? 0.2400	AB=G? 0.3869	AB=H? 0.7524	AB=I? 0.5403	AB=J? 0.2855	AB=K? 0.3519
1950-54 OBS. TOTAL	9	4	4	1	0	0	0	0	0
EXP.		3.8	2.5	1.7	0.5	0.3	0.1	0.1	0.1
OBS./EXP. RELATIVE RISK		1.058	1.580	0.604	0.000	0.000	0.000	0.000	0.000
TEST PROB.	AB=C? 0.7726	AB=D? 0.8193	AB=E? 0.8053	AB=F? 0.7784	AB=G? 0.7688	AB=H? 0.7748	AB=I? 0.8212	AB=J? 0.8333	AB=K? 0.7980
1955-58 OBS. TOTAL	24	10	7	4	2	1	0	0	0
EXP.		9.3	6.9	4.5	1.4	1.0	0.4	0.2	0.3
OBS./EXP. RELATIVE RISK		1.074	1.015	0.882	1.442	0.979	0.000	0.000	0.000
TEST PROB.	AB=C? 0.6403	AB=D? 0.3811	AB=E? 0.5904	AB=F? 0.8035	AB=G? 0.7808	AB=H? 0.7926	AB=I? 0.5431	AB=J? 0.7646	AB=K? 0.8404
1959-62 OBS. TOTAL	27	8	9	5	0	3	1	1	0
EXP.		11.6	7.3	4.8	1.5	1.0	0.4	0.2	0.3
OBS./EXP. RELATIVE RISK		0.690	1.233	1.044	0.000	2.869	2.799	5.853	0.000
TEST PROB.	AB=C? 0.4273	AB=D? 0.5574	AB=E? 0.1637	AB=F? 0.2726	AB=G? 0.2571	AB=H? 0.7838	AB=I? 0.5925	AB=J? 0.0990	AB=K? 0.3187
1963-66 OBS. TOTAL	26	11	6	4	3	1	1	0	0
EXP.		10.6	7.3	4.8	1.4	1.1	0.4	0.2	0.3
OBS./EXP. RELATIVE RISK		1.037	0.827	0.832	2.100	0.948	2.511	0.000	0.000
TEST PROB.	AB=C? 0.8275	AB=D? 0.2943	AB=E? 0.4417	AB=F? 0.2844	AB=G? 0.7779	AB=H? 0.7894	AB=I? 0.4434	AB=J? 0.4001	AB=K? 0.3668
1967-70 OBS. TOTAL	22	9	6	3	2	1	0	1	0
EXP.		8.0	6.3	4.1	1.4	1.2	0.5	0.2	0.3
OBS./EXP. RELATIVE RISK		1.132	0.950	0.739	1.399	0.865	0.000	4.381	0.000
TEST PROB.	AB=C? 0.7050	AB=D? 0.3812	AB=E? 0.6133	AB=F? 0.3141	AB=G? 0.2686	AB=H? 0.7939	AB=I? 0.6186	AB=J? 0.6192	AB=K? 0.6057
1971-74 OBS. TOTAL	26	9	6	6	3	2	0	0	0
EXP.		10.1	7.2	4.8	1.5	1.3	0.5	0.2	0.3
OBS./EXP. RELATIVE RISK		0.888	0.832	1.259	1.965	1.570	0.000	0.000	0.000
TEST PROB.	AB=C? 0.3630	AB=D? 0.2525	AB=E? 0.4015	AB=F? 0.8025	AB=G? 0.7817	AB=H? 0.7872	AB=I? 0.2384	AB=J? 0.5165	AB=K? 0.8361
1975-78 OBS. TOTAL	33	16	7	3	2	1	3	0	1
EXP.		13.1	9.6	5.7	1.8	1.5	0.6	0.3	0.4
OBS./EXP. RELATIVE RISK		1.226	0.728	0.522	1.126	0.667	4.678	0.000	2.634
TEST PROB.	AB=C? 0.8227	AB=D? 0.3977	AB=E? 0.5921	AB=F? 0.0723	AB=G? 0.7928	AB=H? 0.2904	AB=I? 0.7647	AB=J? 0.2940	AB=K? 0.1268

TABLE 24-5 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	208	52	49	43	14	9	7	1	3
TOTAL	EXP.		56.2	56.9	41.6	11.2	6.4	2.7	1.3	1.6
	OBS./EXP.		0.951	0.861	1.034	1.255	1.407	2.569	0.744	1.843
	RELATIVE RISK		1.000		1.131	1.372	1.538	2.807	0.813	2.014
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3491	0.2551	0.2409	0.0436	0.6375	0.3130	0.2595	0.0459	0.0571
									0.1309	0.0085
1950-54	OBS.	22	7	5	4	2	0	1	0	1
	EXP.		9.3	6.0	4.4	1.2	0.6	0.3	0.1	0.1
	OBS./EXP.		0.756	0.839	1.353	1.686	0.000	3.887	0.000	6.727
	RELATIVE RISK		1.000		1.716	2.138	0.000	4.928	0.000	8.530
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3058	0.4590	0.8109	0.2638	0.7726	0.2534	0.2364	0.4653	0.1744
									0.2100	0.0190
1955-58	OBS.	28	15	5	3	2	1	1	0	1
	EXP.		11.7	7.7	5.6	1.5	0.8	0.3	0.2	0.2
	OBS./EXP.		1.280	0.652	0.532	1.317	1.282	3.058	0.000	5.157
	RELATIVE RISK		1.000		0.516	1.277	1.242	2.964	0.000	4.998
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8173	0.3857	0.3647	0.2759	0.7762	0.2607	0.7542	0.3130	0.2762
									0.3118	0.0446
1959-62	OBS.	31	9	10	10	1	1	0	0	0
	EXP.		12.5	8.6	6.3	1.7	0.9	0.4	0.2	0.2
	OBS./EXP.		0.718	1.157	1.585	0.586	1.055	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.767	0.653	1.176	0.000	0.000	0.000
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1917	0.6906	0.4033	0.7974	0.7800	0.7827	0.2575	0.7217	0.9283
									0.7112	0.7607
1963-66	OBS.	29	13	5	7	2	1	0	0	1
	EXP.		12.2	7.8	5.9	1.5	0.8	0.4	0.2	0.2
	OBS./EXP.		1.061	0.642	1.191	1.328	1.200	0.000	0.000	4.691
	RELATIVE RISK		1.000		1.326	1.478	1.335	0.000	0.000	5.221
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4258	0.3805	0.3668	0.7980	0.7787	0.2656	0.3750	0.3810	0.3561
									0.6714	0.1625
1967-70	OBS.	32	12	6	10	1	1	2	0	0
	EXP.		13.1	8.9	6.4	1.7	1.0	0.4	0.2	0.3
	OBS./EXP.		0.914	0.678	1.553	0.586	1.026	4.586	0.000	0.000
	RELATIVE RISK		1.000		1.898	0.716	1.253	5.603	0.000	0.000
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1667	0.6812	0.3899	0.1461	0.7807	0.7851	0.2263	0.3587	0.3598
									0.2281	0.2989
1971-74	OBS.	33	13	8	4	2	4	2	0	0
	EXP.		13.5	9.2	6.4	1.8	1.1	0.5	0.2	0.3
	OBS./EXP.		0.965	0.870	0.620	1.118	3.637	4.236	0.000	0.000
	RELATIVE RISK		1.000		0.649	1.206	3.925	4.572	0.000	0.000
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7567	0.4069	0.0566	0.1718	0.7845	0.7872	0.7064	0.0476	0.4245
									0.0455	0.0815
1975-78	OBS.	33	13	10	3	4	1	1	1	0
	EXP.		14.0	8.8	6.4	1.7	1.1	0.5	0.2	0.3
	OBS./EXP.		0.928	1.134	0.470	2.316	0.913	2.217	4.304	0.000
	RELATIVE RISK		1.000		0.467	2.299	0.906	2.201	4.272	0.000
	TEST	AB=CD?	AB=0?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8555	0.2176	0.5961	0.3030	0.2681	0.7496	0.6533	0.4318	0.4584
									0.2861	0.1964

TABLE 24-9 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	305 138.3	136 78.6	70 78.6	54 54.8	20 15.1	10 9.0	11 3.3	1 1.7	3 2.3
	OBS./EXP. RELATIVE RISK		0.984 1.000	0.891	0.951 1.001	1.327 1.396	1.110 1.168	3.338 3.514	0.605 0.637	1.285 1.353
	TEST PROB.	AB=C? 0.4897	AB=D? 0.1763	AB=E? 0.4263	AB=F? 0.0022	AB=G? 0.7053	AB=H? 0.4214	AB=I? 0.3558	AB=J? 0.0609	AB=K? 0.0249
										AB=L? 0.0033
1950-54	OBS. EXP.	27 12.3	10 12.3	8 6.9	5 5.1	2 1.4	0 0.8	1 0.3	0 0.1	1 0.2
	OBS./EXP. RELATIVE RISK		0.812 1.000	1.165	0.981 1.045	1.462 1.558	0.000 0.000	3.656 3.896	0.000 0.000	5.398 5.752
	TEST PROB.	AB=C? 0.4446	AB=D? 0.3832	AB=E? 0.5280	AB=F? 0.2727	AB=G? 0.7756	AB=H? 0.2610	AB=I? 0.4414	AB=J? 0.3813	AB=K? 0.2579
										AB=L? 0.3956
1955-58	OBS. EXP.	42 19.1	22 19.1	10 10.8	5 7.9	3 2.2	0 1.2	1 0.4	0 0.2	1 0.3
	OBS./EXP. RELATIVE RISK		1.155 1.000	0.927	0.636 0.592	1.387 1.293	0.000 0.000	2.323 2.166	0.000 0.000	3.370 3.162
	TEST PROB.	AB=C? 0.8186	AB=D? 0.4095	AB=E? 0.8586	AB=F? 0.3008	AB=G? 0.7832	AB=H? 0.2783	AB=I? 0.7402	AB=J? 0.6039	AB=K? 0.4619
										AB=L? 0.5732
1959-62	OBS. EXP.	50 22.6	17 22.6	16 12.8	13 9.3	1 2.6	2 1.5	1 0.5	0 0.3	0 0.4
	OBS./EXP. RELATIVE RISK		0.751 1.000	1.249	1.400 1.504	0.391 0.620	1.311 1.409	1.876 2.015	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2285	AB=D? 0.7966	AB=E? 0.3828	AB=F? 0.3074	AB=G? 0.7863	AB=H? 0.7954	AB=I? 0.3479	AB=J? 0.4092	AB=K? 0.5825
										AB=L? 0.5590
1963-66	OBS. EXP.	47 21.3	22 21.3	8 12.0	9 8.8	4 2.4	2 1.4	1 0.5	0 0.2	1 0.3
	OBS./EXP. RELATIVE RISK		1.033 1.000	0.668	1.018 1.129	1.694 1.878	1.413 1.568	1.906 2.114	0.000 0.000	2.873 3.187
	TEST PROB.	AB=C? 0.4562	AB=D? 0.2862	AB=E? 0.3832	AB=F? 0.3044	AB=G? 0.7829	AB=H? 0.2806	AB=I? 0.3479	AB=J? 0.3197	AB=K? 0.4428
										AB=L? 0.7062
1967-70	OBS. EXP.	39 17.8	20 17.8	4 9.9	10 7.4	2 1.9	1 1.1	2 0.4	0 0.2	0 0.3
	OBS./EXP. RELATIVE RISK		1.123 1.000	0.405	1.353 1.567	1.039 1.198	0.898 1.036	2.645 5.359	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2456	AB=D? 0.3974	AB=E? 0.4445	AB=F? 0.1397	AB=G? 0.7789	AB=H? 0.7866	AB=I? 0.2554	AB=J? 0.4099	AB=K? 0.3695
										AB=L? 0.1415
1971-74	OBS. EXP.	46 20.8	21 20.8	9 11.9	7 8.6	3 2.2	4 1.4	2 0.5	0 0.3	0 0.4
	OBS./EXP. RELATIVE RISK		1.009 1.000	0.759	0.816 0.889	1.347 1.467	2.888 3.145	3.924 4.273	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6247	AB=D? 0.4405	AB=E? 0.0940	AB=F? 0.1825	AB=G? 0.7840	AB=H? 0.7938	AB=I? 0.4761	AB=J? 0.0857	AB=K? 0.4380
										AB=L? 0.1307
1975-78	OBS. EXP.	54 24.3	24 24.3	15 14.4	5 9.9	5 2.5	1 1.6	3 0.6	1 0.3	0 0.4
	OBS./EXP. RELATIVE RISK		0.986 1.000	1.044	0.507 0.504	2.003 1.988	0.625 0.620	5.086 5.047	3.076 3.053	0.000 0.000
	TEST PROB.	AB=C? 0.8767	AB=D? 0.2116	AB=E? 0.7052	AB=F? 0.0540	AB=G? 0.2838	AB=H? 0.8021	AB=I? 0.7057	AB=J? 0.2862	AB=K? 0.1178
										AB=L? 0.0183

TABLE 24-10 MALIGNANT NEOPLASMS OTHER THAN THOSE SPECIFIED ABOVE

TABLE 24-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	70	13	24	15	6	8	1	2	1
TOTAL	EXP.		14.4	25.7	15.1	5.4	4.6	2.4	1.0	1.3
	OBS./EXP.		0.901	0.933	0.993	1.101	1.724	0.423	1.981	0.775
	RELATIVE RISK		1.000		1.077	1.195	1.871	0.459	2.149	0.841
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4592	0.4653	0.1648	0.7823	0.4491	0.6287	0.4472	0.2979	0.5999
									0.7111	0.3206
1950-54	OBS.	4	1	1	2	0	0	0	0	0
	EXP.		0.7	1.6	1.0	0.3	0.2	0.1	0.0	0.1
	OBS./EXP.		1.387	0.614	2.018	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		2.370	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3814	0.7940	0.7875	0.7745	0.7663	0.7702	0.3583	0.8114	0.7887
									0.9577	0.7203
1955-58	OBS.	10	3	2	2	1	2	0	0	0
	EXP.		2.0	3.8	2.3	0.7	0.6	0.3	0.1	0.2
	OBS./EXP.		1.516	0.528	0.868	1.346	3.328	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.000	1.552	3.836	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4507	0.3410	0.2653	0.7916	0.7744	0.7820	0.4104	0.3861	0.8191
									0.6144	0.4945
1959-62	OBS.	8	0	3	2	0	2	0	1	0
	EXP.		1.5	3.1	1.8	0.6	0.3	0.2	0.1	0.1
	OBS./EXP.		0.000	0.956	1.105	0.000	4.271	0.000	9.023	0.000
	RELATIVE RISK		1.000		1.707	0.000	6.594	0.000	13.931	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3646	0.8029	0.1613	0.7788	0.2473	0.7709	0.3872	0.1613	0.2775
									0.0407	0.0863
1963-66	OBS.	8	2	3	2	1	0	0	0	0
	EXP.		1.6	3.1	1.8	0.6	0.5	0.2	0.1	0.2
	OBS./EXP.		1.282	0.981	1.086	1.745	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.003	1.612	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5559	0.3290	0.8121	0.7901	0.7741	0.7813	0.4090	0.8532	0.8173
									0.9847	0.5016
1967-70	OBS.	15	1	8	3	1	1	0	1	0
	EXP.		3.3	5.3	3.1	1.2	1.0	0.5	0.2	0.3
	OBS./EXP.		0.306	1.509	0.957	0.826	0.953	0.000	4.248	0.000
	RELATIVE RISK		1.000		0.911	0.787	0.936	0.000	4.044	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5912	0.6459	0.5596	0.8185	0.2696	0.7925	0.6144	0.5795	0.6006
									0.4988	0.5753
1971-74	OBS.	13	1	5	3	2	2	0	0	0
	EXP.		2.8	4.5	2.6	1.1	1.0	0.5	0.2	0.2
	OBS./EXP.		0.358	1.100	1.138	1.835	2.023	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.392	2.245	2.474	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3995	0.4679	0.4283	0.8037	0.7824	0.7809	0.3854	0.3845	0.8336
									0.7800	0.6154
1975-78	OBS.	12	5	2	1	1	1	1	0	1
	EXP.		2.7	4.1	2.3	1.0	1.0	0.5	0.2	0.2
	OBS./EXP.		1.841	0.492	0.440	0.992	1.006	1.990	0.000	4.285
	RELATIVE RISK		1.000		0.426	0.962	0.975	1.929	0.000	4.153
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7963	0.4794	0.5328	0.3153	0.7840	0.2674	0.7535	0.4114	0.4158
									0.4346	0.0920

TABLE 25-1 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

TABLE 25-1

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	2213	858 888.1	587 618.1	434 423.5	130 123.3	92 85.5	60 35.6	18 16.4	34 22.6
	OBS./EXP. RELATIVE RISK		0.966 1.000	0.950	1.025 1.068	1.055 1.099	1.076 1.122	1.686 1.757	1.097 1.143	1.507 1.571
	TEST PROB.	AB=C7 0.2117	AB=D7 0.2334	AB=E7 0.2252	AB=F7 0.0011	AB=G7 0.3672	AB=H7 0.0355	AB=CD7 0.1614	AB=E-H7 0.0025	AB=FGH7 0.0005
										HOMO, TREND, 0.0003 0.0000
1950-54	OBS. EXP.	233	93 95.0	60 65.1	52 45.5	10 12.5	6 8.0	6 3.1	2 1.5	4 2.2
	OBS./EXP. RELATIVE RISK		0.979 1.000	0.921	1.143 1.196	0.797 0.834	0.746 0.781	1.936 2.026	1.346 1.409	1.829 1.914
	TEST PROB.	AB=C7 0.2336	AB=D7 0.6830	AB=E7 0.7095	AB=F7 0.1762	AB=G7 0.3844	AB=H7 0.2829	AB=CD7 0.3170	AB=E-H7 0.3018	AB=FGH7 0.1100
										HOMO, TREND, 0.4473 0.0640
1955-58	OBS. EXP.	248	116 98.4	67 70.3	38 49.1	11 13.8	7 8.9	6 3.6	1 1.6	2 2.3
	OBS./EXP. RELATIVE RISK		1.179 1.000	0.953	0.775 0.714	0.796 0.734	0.785 0.724	1.666 1.536	0.616 0.568	0.879 0.810
	TEST PROB.	AB=C7 0.9230	AB=D7 0.7829	AB=E7 0.7516	AB=F7 0.2824	AB=G7 0.7351	AB=H7 0.6448	AB=CD7 0.9371	AB=E-H7 0.6294	AB=FGH7 0.4690
										HOMO, TREND, 0.2616 0.6633
1959-62	OBS. EXP.	287	92 117.3	95 79.1	58 55.2	14 16.4	15 10.4	2 4.1	4 2.0	7 2.7
	OBS./EXP. RELATIVE RISK		0.785 1.000	1.202	1.052 1.104	0.855 0.897	1.443 1.515	0.486 0.510	2.051 2.153	2.593 2.722
	TEST PROB.	AB=C7 0.3454	AB=D7 0.6253	AB=E7 0.1674	AB=F7 0.7977	AB=G7 0.2037	AB=H7 0.0478	AB=CD7 0.4101	AB=E-H7 0.0810	AB=FGH7 0.1636
										HOMO, TREND, 0.0027 0.0043
1963-66	OBS. EXP.	323	127 130.8	86 89.3	65 62.3	23 18.0	6 12.0	11 5.1	0 2.3	5 3.2
	OBS./EXP. RELATIVE RISK		0.971 1.000	0.963	1.043 1.078	1.281 1.324	0.499 0.515	2.164 2.236	0.000 0.000	1.552 1.604
	TEST PROB.	AB=C7 0.3718	AB=D7 0.2214	AB=E7 0.8969	AB=F7 0.0475	AB=G7 0.3998	AB=H7 0.3047	AB=CD7 0.2629	AB=E-H7 0.4695	AB=FGH7 0.1361
										HOMO, TREND, 0.0357 0.1850
1967-70	OBS. EXP.	328	125 130.7	82 90.9	67 62.4	26 18.6	12 13.4	11 5.9	2 2.5	3 3.5
	OBS./EXP. RELATIVE RISK		0.956 1.000	0.902	1.073 1.149	1.397 1.496	0.895 0.958	1.877 2.009	0.766 0.841	0.851 0.911
	TEST PROB.	AB=C7 0.2627	AB=D7 0.0955	AB=E7 0.5443	AB=F7 0.0691	AB=G7 0.6071	AB=H7 0.5723	AB=CD7 0.1332	AB=E-H7 0.2791	AB=FGH7 0.1744
										HOMO, TREND, 0.2291 0.1864
1971-74	OBS. EXP.	383	141 151.5	101 107.6	74 72.7	22 21.5	25 15.8	11 4.8	2 3.0	7 4.0
	OBS./EXP. RELATIVE RISK		0.936 1.000	0.938	1.019 1.091	1.023 1.095	1.585 1.698	1.622 1.738	0.658 0.704	1.730 1.853
	TEST PROB.	AB=C7 0.3438	AB=D7 0.4333	AB=E7 0.0459	AB=F7 0.1327	AB=G7 0.6942	AB=H7 0.1701	AB=CD7 0.3247	AB=E-H7 0.0184	AB=FGH7 0.1061
										HOMO, TREND, 0.0985 0.0038
1975-78	OBS. EXP.	411	164 165.2	96 115.1	80 77.0	24 22.5	21 16.9	13 7.0	7 3.3	6 4.1
	OBS./EXP. RELATIVE RISK		0.993 1.000	0.834	1.040 1.121	1.067 1.150	1.246 1.343	1.856 2.001	2.131 2.296	1.462 1.577
	TEST PROB.	AB=C7 0.2884	AB=D7 0.3270	AB=E7 0.1917	AB=F7 0.0380	AB=G7 0.0781	AB=H7 0.2710	AB=CD7 0.2504	AB=E-H7 0.0125	AB=FGH7 0.0085
										HOMO, TREND, 0.0371 0.0011

TABLE 25-2 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
HIROSHIWA - NAGASAKI, MALE + FEMALE, AGE ATB 0-9

TABLE 25-2 -

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	22	4	6	2	1	3	5	0	1
	EXP.		9.2	8.4	4.3	1.0	0.5	0.3	0.1	0.2
	OBS./EXP. RELATIVE RISK		0.433 1.000	0.714 1.000	0.462 0.722	1.005 1.569	5.635 8.801	19.264 30.085	0.000 0.000	6.337 9.896
	TEST PROB.	AB=C? 0.6875	AB=D? 0.3381	AB=E? 0.0178	AB=F? 0.0000	AB=G? 0.7693	AB=H? 0.2513	AB=I? 0.6059	AB=J? 0.0000	AB=K? 0.0000
1950-54	OBS. TOTAL	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP. RELATIVE R									
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=J? X	AB=K? X
1955-58	OBS. TOTAL	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP. RELATIVE R									
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=J? X	AB=K? X
1959-62	OBS. TOTAL	2	0	0	0	0	0	2	0	0
	EXP.		0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	115.239 X	0.000 X	0.000 X
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? 0.0000	AB=G? X	AB=H? X	AB=I? X	AB=J? 0.0000	AB=K? 0.0000
1963-66	OBS. TOTAL	2	0	0	0	0	0	1	0	1
	EXP.		0.7	0.7	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	29.120 X	0.000 X	46.291 X
	TEST PROB.	AB=C? X	AB=D? X	AB=E? X	AB=F? 0.2398	AB=G? X	AB=H? 0.2398	AB=I? X	AB=J? 0.0194	AB=K? 0.0019
1967-70	OBS. TOTAL	4	1	1	0	0	2	0	0	0
	EXP.		1.3	1.3	0.9	0.2	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.758 1.000	0.734 1.000	0.000 0.000	0.000 0.000	15.442 20.421	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8437	AB=D? 0.7856	AB=E? 0.0252	AB=F? 0.7701	AB=G? 0.7644	AB=H? 0.7666	AB=I? 0.8573	AB=J? 0.1129	AB=K? 0.7797
1971-74	OBS. TOTAL	7	2	3	0	0	1	1	0	0
	EXP.		3.0	2.0	1.4	0.3	0.2	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.661 1.000	1.504 1.000	0.000 0.000	0.000 0.000	4.201 6.224	13.404 13.454	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3781	AB=D? 0.7993	AB=E? 0.2587	AB=F? 0.2482	AB=G? 0.7651	AB=H? 0.7679	AB=I? 0.8940	AB=J? 0.1390	AB=K? 0.2575
1975-78	OBS. TOTAL	7	1	2	2	1	0	1	0	0
	EXP.		3.3	1.9	1.3	0.3	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.303 1.000	1.074 1.000	1.545 2.657	3.467 5.962	0.000 0.000	16.835 29.945	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4805	AB=D? 0.2595	AB=E? 0.7709	AB=F? 0.2434	AB=G? 0.7624	AB=H? 0.7631	AB=I? 0.2335	AB=J? 0.2563	AB=K? 0.2173

TABLE 25-3 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE 10-19

TABLE 25-3

		T-65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	115	39 42.1	36 35.7	15 18.5	4 6.1	5 6.6	7 3.1	7 1.3	2 1.6		
	OBS./EXP. RELATIVE RISK		0.926 1.000	1.007	0.812 0.843	0.653 0.677	0.761 0.790	2.275 2.362	5.575 5.788	1.229 1.276		
	TEST PROB.	AB=C? 0.7074	AB=D? 0.7806	AB=E? 0.7295	AB=F? 0.1179	AB=G? 0.0098	AB=H? 0.3926	AB=I? 0.7732	AB=E-H? 0.0642	AB=FGH? 0.0056	HMOMO, 0.0000	TREND, 0.0013
1950-54	OBS. EXP.	2	1 0.9	0 0.5	0 0.4	0 0.1	0 0.1	0 0.0	1 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		1.077 1.000	0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	46.283 65.680	0.000 0.000		
	TEST PROB.	AB=C? 0.8070	AB=D? 0.7736	AB=E? 0.7703	AB=F? 0.7642	AB=G? 0.2614	AB=H? 0.7632	AB=I? 0.8167	AB=E-H? 0.2505	AB=FGH? 0.2450	HMOMO, 0.0000	TREND, 0.0199
1955-58	OBS. EXP.	4	2 1.1	0 1.3	2 0.7	0 0.3	0 0.3	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.805 1.000	0.000	3.007 3.626	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3701	AB=D? 0.7923	AB=E? 0.7988	AB=F? 0.7816	AB=G? 0.7672	AB=H? 0.7671	AB=I? 0.3936	AB=E-H? 0.8232	AB=FGH? 0.7927	HMOMO, 0.5604	TREND, 0.7896
1959-62	OBS. EXP.	7	2 2.7	4 2.0	1 1.2	0 0.4	0 0.4	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.736 1.000	1.973	0.246 0.649	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6929	AB=D? 0.8153	AB=E? 0.8191	AB=F? 0.7913	AB=G? 0.7733	AB=H? 0.7762	AB=I? 0.7595	AB=E-H? 0.8545	AB=FGH? 0.8133	HMOMO, 0.8659	TREND, 0.8108
1963-66	OBS. EXP.	9	4 3.4	1 2.7	2 1.5	1 0.5	1 0.5	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.188 1.000	0.367	1.343 1.636	2.084 2.540	2.041 2.487	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3726	AB=D? 0.2993	AB=E? 0.2912	AB=F? 0.7900	AB=G? 0.7713	AB=H? 0.7753	AB=I? 0.4670	AB=E-H? 0.3674	AB=FGH? 0.8099	HMOMO, 0.8901	TREND, 0.5671
1967-70	OBS. EXP.	15	5 4.9	6 4.9	0 2.4	0 0.9	0 1.0	3 0.5	1 0.2	0 0.2		
	OBS./EXP. RELATIVE RISK		1.027 1.000	1.228	0.000 0.000	0.000 0.000	0.000 0.000	6.115 5.421	5.651 5.011	0.000 0.000		
	TEST PROB.	AB=C? 0.9224	AB=D? 0.8532	AB=E? 0.8651	AB=F? 0.0772	AB=G? 0.2642	AB=H? 0.7912	AB=I? 0.9470	AB=E-H? 0.3377	AB=FGH? 0.0851	HMOMO, 0.0030	TREND, 0.0823
1971-74	OBS. EXP.	30	6 11.0	13 9.2	4 4.9	1 1.6	2 1.7	2 0.8	2 0.3	0 0.4		
	OBS./EXP. RELATIVE RISK		0.545 1.000	1.410	0.224 0.377	0.616 0.656	1.157 1.233	2.471 2.632	5.986 6.376	0.000 0.000		
	TEST PROB.	AB=C? 0.6297	AB=D? 0.7416	AB=E? 0.4354	AB=F? 0.4441	AB=G? 0.1214	AB=H? 0.3028	AB=I? 0.6811	AB=E-H? 0.2406	AB=FGH? 0.1973	HMOMO, 0.0349	TREND, 0.0717
1975-78	OBS. EXP.	48	19 18.2	12 15.0	6 7.5	2 2.4	2 2.5	2 1.2	3 0.5	2 0.6		
	OBS./EXP. RELATIVE RISK		1.046 1.000	0.797	0.795 0.852	0.833 0.893	0.790 0.866	1.692 1.812	6.206 6.649	3.091 3.311		
	TEST PROB.	AB=C? 0.6108	AB=D? 0.5982	AB=E? 0.6484	AB=F? 0.4248	AB=G? 0.0236	AB=H? 0.2541	AB=I? 0.8529	AB=E-H? 0.1098	AB=FGH? 0.0232	HMOMO, 0.0135	TREND, 0.0020

TABLE 25-4 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

TABLE 25-4

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	331	118	86	65	21	18	14	2	7
TOTAL	EXP.		129.7	93.9	59.3	19.1	14.3	6.9	3.5	4.3
	OBS./EXP.		0.910	0.916	1.095	1.100	1.259	2.013	0.579	1.628
	RELATIVE RISK		1.000		1.200	1.206	1.379	2.208	0.635	1.754
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CF	AB=E-H?	AB=FGH?
	PROB.	0.1904	0.2899	0.2018	0.0217	0.7291	0.1784	0.1620	0.0369	0.0404
									0.0670	0.0087
1950-54	OBS.	19	9	5	5	0	0	0	0	0
	EXP.		8.2	5.2	3.4	1.0	0.6	0.3	0.1	0.2
	OBS./EXP.		1.098	0.968	1.451	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.385	0.000	0.000	0.000	0.000	0.000
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CF	AB=E-H?	AB=FGH?
	PROB.	0.4481	0.3477	0.8233	0.7915	0.7781	0.7858	0.4342	0.8662	0.8246
									0.8658	0.8682
1955-58	OBS.	17	6	8	1	0	0	0	0	2
	EXP.		6.1	5.1	3.3	1.0	0.7	0.3	0.2	0.2
	OBS./EXP.		0.986	1.568	0.305	0.000	0.000	0.000	0.000	8.259
	RELATIVE RISK		1.000		0.264	0.000	0.000	0.000	0.000	6.600
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CF	AB=E-H?	AB=FGH?
	PROB.	0.8944	0.8654	0.8462	0.8072	0.7863	0.1104	0.9318	0.4601	0.4249
									0.0107	0.0534
1959-62	OBS.	23	10	5	3	1	1	0	0	3
	EXP.		9.8	6.1	4.2	1.3	0.8	0.3	0.2	0.3
	OBS./EXP.		1.017	0.313	0.716	0.788	1.257	0.000	0.000	11.474
	RELATIVE RISK		1.000		0.763	0.840	1.371	0.000	0.000	12.223
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CF	AB=E-H?	AB=FGH?
	PROB.	0.6730	0.6272	0.3768	0.7977	0.7808	0.0020	0.6714	0.1699	0.0991
									0.0001	0.0003
1963-66	OBS.	48	14	18	11	2	0	2	0	1
	EXP.		18.8	13.9	8.7	2.7	2.0	0.9	0.5	0.6
	OBS./EXP.		0.746	1.298	1.261	0.752	0.000	2.154	0.000	1.616
	RELATIVE RISK		1.000		1.287	0.767	0.000	2.197	0.000	1.648
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CF	AB=E-H?	AB=FGH?
	PROB.	0.3645	0.6993	0.9015	0.6283	0.8123	0.3398	0.4442	0.7084	0.4195
									0.4121	0.4633
1967-70	OBS.	57	21	9	15	7	3	2	0	0
	EXP.		21.7	16.3	10.1	3.4	2.7	1.4	0.7	0.8
	OBS./EXP.		0.966	0.553	1.489	2.064	1.104	1.444	0.000	0.000
	RELATIVE RISK		1.000		1.886	2.614	1.398	1.828	0.000	0.000
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CF	AB=E-H?	AB=FGH?
	PROB.	0.0942	0.0604	0.4322	0.3880	0.8108	0.8174	0.0385	0.4274	0.6327
									0.1253	0.5546
1971-74	OBS.	74	20	21	14	4	9	5	0	1
	EXP.		29.1	20.8	13.2	4.3	3.2	1.5	0.8	0.9
	OBS./EXP.		0.687	1.009	1.059	0.922	2.785	3.228	0.000	1.055
	RELATIVE RISK		1.000		1.289	1.123	3.391	3.932	0.000	1.285
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CF	AB=E-H?	AB=FGH?
	PROB.	0.3229	0.4218	0.0130	0.0234	0.8149	0.3596	0.3168	0.0094	0.1124
									0.0020	0.0020
1975-78	OBS.	93	38	20	16	7	5	5	2	0
	EXP.		35.9	26.6	18.4	3.4	4.2	2.1	1.1	1.2
	OBS./EXP.		1.057	0.751	0.975	1.267	1.184	2.411	1.896	0.000
	RELATIVE RISK		1.000		1.052	1.389	1.278	2.609	2.043	0.000
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CF	AB=E-H?	AB=FGH?
	PROB.	0.4661	0.3010	0.3940	0.0621	0.4110	0.8449	0.3902	0.1656	0.1615
									0.2729	0.2477

TABLE 25-5 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

TABLE 25-5

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	986	365 390.8	266 271.5	215 193.4	56 55.1	38 40.7	22 16.0	5 7.5	19 11.0
	OBS./EXP. RELATIVE RISK		0.934 1.000	0.980	1.112 1.167	1.016 1.067	0.935 0.981	1.372 1.440	0.664 0.697	1.729 1.814
	TEST PROB.	AB=C? 0.0908	AB=D? 0.3809	AB=E? 0.5321	AB=F? 0.1191	AB=G? 0.7480	AB=H? 0.0419	AB=CD? 0.0987	AB=E-H? 0.1668	AB=FGH? 0.0609
									HOMO. 0.0610	TREND. 0.0150
1950-54	OBS. EXP.	83	26 33.1	23 22.8	21 16.6	5 4.5	3 3.2	3 1.3	0 0.6	2 0.9
	OBS./EXP. RELATIVE RISK		0.787 1.000	1.008	1.262 1.439	1.108 1.264	0.943 1.075	2.344 2.674	0.000 0.000	2.263 2.581
	TEST PROB.	AB=C? 0.1934	AB=D? 0.4894	AB=E? 0.4361	AB=F? 0.2286	AB=G? 0.8133	AB=H? 0.3775	AB=CD? 0.1859	AB=E-H? 0.2944	AB=FGH? 0.2332
									HOMO. 0.4085	TREND. 0.0829
1955-58	OBS. EXP.	91	45 36.8	22 24.8	16 18.2	1 4.9	2 3.4	4 1.3	1 0.7	0 0.9
	OBS./EXP. RELATIVE RISK		1.222 1.000	0.888	0.880 0.809	0.204 0.188	0.590 0.562	2.981 2.761	1.538 1.414	0.000 0.000
	TEST PROB.	AB=C? 0.7345	AB=D? 0.9283	AB=E? 0.7831	AB=F? 0.1224	AB=G? 0.3542	AB=H? 0.3428	AB=CD? 0.8639	AB=E-H? 0.4705	AB=FGH? 0.3196
									HOMO. 0.0843	TREND. 0.6314
1959-62	OBS. EXP.	111	31 43.0	34 31.0	29 21.6	5 6.4	7 4.8	0 1.9	2 0.9	3 1.3
	OBS./EXP. RELATIVE RISK		0.720 1.000	1.097	1.344 1.531	0.779 0.887	1.455 1.658	0.000 0.000	2.211 2.519	2.250 2.383
	TEST PROB.	AB=C? 0.1013	AB=D? 0.5783	AB=E? 0.2233	AB=F? 0.8743	AB=G? 0.3300	AB=H? 0.2169	AB=CD? 0.1501	AB=E-H? 0.2159	AB=FGH? 0.4115
									HOMO. 0.0703	TREND. 0.0614
1963-66	OBS. EXP.	124	49 48.8	38 34.3	21 24.3	11 7.0	0 5.2	4 2.1	0 0.9	1 1.4
	OBS./EXP. RELATIVE RISK		1.005 1.000	1.107	0.865 0.828	1.577 1.506	0.000 0.000	1.934 1.848	0.000 0.000	0.695 0.664
	TEST PROB.	AB=C? 0.7347	AB=D? 0.2210	AB=E? 0.9631	AB=F? 0.2801	AB=G? 0.8391	AB=H? 0.6812	AB=CD? 0.5531	AB=E-H? 0.8837	AB=FGH? 0.4530
									HOMO. 0.1274	TREND. 0.7634
1967-70	OBS. EXP.	166	61 65.8	44 45.4	36 32.4	12 9.4	5 7.1	4 2.8	1 1.3	3 1.9
	OBS./EXP. RELATIVE RISK		0.927 1.000	0.970	1.110 1.175	1.279 1.354	0.709 0.750	1.425 1.509	0.795 0.842	1.576 1.668
	TEST PROB.	AB=C? 0.3063	AB=D? 0.2824	AB=E? 0.6931	AB=F? 0.3265	AB=G? 0.5847	AB=H? 0.3655	AB=CD? 0.2377	AB=E-H? 0.4442	AB=FGH? 0.2457
									HOMO. 0.8515	TREND. 0.2107
1971-74	OBS. EXP.	195	72 76.1	49 54.4	46 38.1	11 10.9	9 8.5	2 3.4	0 1.5	6 2.2
	OBS./EXP. RELATIVE RISK		0.948 1.000	0.901	1.208 1.303	1.007 1.086	1.062 1.145	0.592 0.639	0.000 0.000	2.779 2.998
	TEST PROB.	AB=C? 0.1546	AB=D? 0.4564	AB=E? 0.4815	AB=F? 0.7425	AB=G? 0.8670	AB=H? 0.0548	AB=CD? 0.1739	AB=E-H? 0.3762	AB=FGH? 0.4429
									HOMO. 0.1234	TREND. 0.0876
1975-78	OBS. EXP.	214	81 87.9	56 58.8	46 42.2	11 11.7	12 8.7	5 3.2	1 1.4	4 2.0
	OBS./EXP. RELATIVE RISK		0.921 1.000	0.952	1.090 1.168	0.936 1.003	1.376 1.474	1.559 1.669	0.699 0.768	2.021 2.164
	TEST PROB.	AB=C? 0.2909	AB=D? 0.4707	AB=E? 0.2218	AB=F? 0.2776	AB=G? 0.6592	AB=H? 0.2201	AB=CD? 0.3140	AB=E-H? 0.1085	AB=FGH? 0.1803
									HOMO. 0.5864	TREND. 0.0329

TABLE 25-4 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE 15-50+

TABLE 25-4

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400- H
1950-78	OBS. TOTAL	759	332	193	137	48	28	12	4	5
	EXP.		316.3	210.6	147.9	41.9	23.4	9.3	4.1	5.5
	OBS./EXP. RELATIVE RISK		1.050	0.916	0.926	1.144	1.196	1.294	0.983	0.911
			1.000		0.929	1.148	1.200	1.298	0.987	0.915
	TEST PROB.	AB=C? 0.7235	AB=D? 0.2716	AB=E? 0.2685	AB=F? 0.3029	AB=G? 0.5231	AB=H? 0.6000	AB=I? 0.5925	AB=E+H? 0.2350	AB=FGH? 0.3881
									AB=FGH? 0.5707	HOMO. 0.2448
1950-54	OBS. TOTAL	129	57	32	26	5	3	3	1	2
	EXP.		52.8	36.6	25.1	7.0	4.2	1.5	0.7	1.1
	OBS./EXP. RELATIVE RISK		1.079	0.873	1.037	0.719	0.715	1.945	1.634	1.873
			1.000		1.043	0.722	0.719	1.956	1.642	1.883
	TEST PROB.	AB=C? 0.4793	AB=D? 0.2333	AB=E? 0.2121	AB=F? 0.3371	AB=G? 0.3514	AB=H? 0.4178	AB=I? 0.5541	AB=E+H? 0.4313	AB=FGH? 0.2274
									AB=FGH? 0.7573	HOMO. 0.1957
1955-58	OBS. TOTAL	136	63	37	19	10	5	2	0	0
	EXP.		54.4	39.1	26.9	7.6	4.4	1.8	0.7	1.0
	OBS./EXP. RELATIVE RISK		1.159	0.945	0.706	1.315	1.128	1.143	0.000	0.000
			1.000		0.660	1.230	1.055	1.068	0.000	0.000
	TEST PROB.	AB=C? 0.9023	AB=D? 0.3812	AB=E? 0.4379	AB=F? 0.4216	AB=G? 0.8289	AB=H? 0.8479	AB=I? 0.8180	AB=E+H? 0.6603	AB=FGH? 0.7827
									AB=FGH? 0.4710	HOMO. 0.8253
1959-62	OBS. TOTAL	144	49	52	25	8	7	0	2	1
	EXP.		60.7	39.3	27.8	8.2	4.4	1.7	0.8	1.0
	OBS./EXP. RELATIVE RISK		0.807	1.322	0.898	0.972	1.589	0.000	2.581	0.997
			1.000		0.890	0.963	1.575	0.000	2.557	0.988
	TEST PROB.	AB=C? 0.6765	AB=D? 0.5650	AB=E? 0.2760	AB=F? 0.6603	AB=G? 0.3480	AB=H? 0.2653	AB=I? 0.6661	AB=E+H? 0.3775	AB=FGH? 0.6334
									AB=FGH? 0.1003	HOMO. 0.3155
1963-66	OBS. TOTAL	140	60	29	31	9	3	4	0	2
	EXP.		59.2	37.8	27.4	7.7	4.3	1.8	0.8	1.0
	OBS./EXP. RELATIVE RISK		1.014	0.768	1.132	1.163	1.160	2.184	0.000	1.972
			1.000		1.233	1.267	1.264	2.379	0.000	2.148
	TEST PROB.	AB=C? 0.2642	AB=D? 0.3699	AB=E? 0.4443	AB=F? 0.1647	AB=G? 0.8219	AB=H? 0.4125	AB=I? 0.2347	AB=E+H? 0.1920	AB=FGH? 0.1978
									AB=FGH? 0.4091	HOMO. 0.0861
1967-70	OBS. TOTAL	86	37	22	16	7	2	2	0	0
	EXP.		37.0	23.1	16.6	4.7	2.5	1.1	0.4	0.6
	OBS./EXP. RELATIVE RISK		1.000	0.954	0.961	1.479	0.808	1.804	0.000	0.000
			1.000		0.978	1.506	0.822	1.836	0.000	0.000
	TEST PROB.	AB=C? 0.5489	AB=D? 0.3008	AB=E? 0.6545	AB=F? 0.4022	AB=G? 0.8017	AB=H? 0.8143	AB=I? 0.4418	AB=E+H? 0.6309	AB=FGH? 0.5781
									AB=FGH? 0.8883	HOMO. 0.5932
1971-74	OBS. TOTAL	77	41	15	10	6	4	1	0	0
	EXP.		32.3	21.2	15.1	4.3	2.2	1.0	0.4	0.5
	OBS./EXP. RELATIVE RISK		1.271	0.706	0.660	1.389	1.838	1.029	0.000	0.000
			1.000		0.631	1.327	1.756	0.983	0.000	0.000
	TEST PROB.	AB=C? 0.8513	AB=D? 0.3877	AB=E? 0.2823	AB=F? 0.4109	AB=G? 0.7996	AB=H? 0.8053	AB=I? 0.7542	AB=E+H? 0.4862	AB=FGH? 0.7310
									AB=FGH? 0.2378	HOMO. 0.6052
1975-78	OBS. TOTAL	47	25	6	10	3	2	0	1	0
	EXP.		19.9	12.7	9.5	2.6	1.2	0.5	0.3	0.2
	OBS./EXP. RELATIVE RISK		1.256	0.472	1.050	1.143	1.615	0.000	3.468	0.000
			1.000		1.105	1.203	1.699	0.000	3.649	0.000
	TEST PROB.	AB=C? 0.4515	AB=D? 0.4084	AB=E? 0.3958	AB=F? 0.8117	AB=G? 0.2706	AB=H? 0.7822	AB=I? 0.4452	AB=E+H? 0.4326	AB=FGH? 0.4371
									AB=FGH? 0.3347	HOMO. 0.3915

TABLE 25-7 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE, ALL AGES

TABLE 25-7

		T=65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	1030	414	260	183	67	48	31	11	16		
TOTAL	EXP.		410.1	289.5	185.7	58.6	46.5	18.5	8.4	12.7		
	OBS./EXP.		1.009	0.898	0.986	1.143	1.032	1.673	1.305	1.263		
	RELATIVE RISK		1.000		1.023	1.187	1.071	1.737	1.355	1.311		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4266	0.1595	0.3502	0.0126	0.2480	0.2346	0.2804	0.0419	0.0118	0.0415	0.0041
1950-54	OBS.	108	51	29	19	3	2	2	1	1		
	EXP.		44.0	30.4	20.1	5.7	4.3	1.5	0.7	1.2		
	OBS./EXP.		1.160	0.953	0.943	0.523	0.468	1.321	1.393	0.819		
	RELATIVE RISK		1.000		0.877	0.488	0.435	1.228	1.296	0.762		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.6626	0.8438	0.8362	0.3951	0.3618	0.6532	0.7711	0.7568	0.4680	0.7606	0.6912
1955-58	OBS.	105	51	24	16	7	3	3	1	0		
	EXP.		42.7	29.3	19.6	9.8	4.2	1.6	0.7	1.2		
	OBS./EXP.		1.194	0.819	0.816	1.209	0.712	1.935	1.466	0.000		
	RELATIVE RISK		1.000		0.784	1.161	0.683	1.857	1.408	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.7661	0.4779	0.7168	0.3200	0.3511	0.8520	0.6902	0.6067	0.4227	0.4749	0.8427
1959-62	OBS.	140	44	48	27	2	11	2	2	4		
	EXP.		56.2	38.9	25.5	8.3	6.1	2.3	1.1	1.6		
	OBS./EXP.		0.783	1.233	1.060	0.240	1.799	0.888	1.904	2.448		
	RELATIVE RISK		1.000		1.097	0.248	1.860	0.919	1.969	2.532		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4122	0.9445	0.0930	0.4644	0.4237	0.1392	0.6745	0.0502	0.1697	0.0112	0.0190
1963-66	OBS.	155	70	34	26	15	1	7	0	2		
	EXP.		61.7	43.3	28.5	9.0	6.8	2.7	1.2	1.9		
	OBS./EXP.		1.134	0.785	0.914	1.688	0.147	2.585	0.000	1.077		
	RELATIVE RISK		1.000		0.922	1.685	0.149	2.610	0.000	1.088		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.6191	0.1157	0.9543	0.0606	0.8526	0.4141	0.3760	0.7013	0.2139	0.0048	0.3840
1967-70	OBS.	156	61	41	23	15	7	7	1	1		
	EXP.		60.5	43.7	28.1	9.3	7.7	3.3	1.4	2.1		
	OBS./EXP.		1.009	0.939	0.819	1.606	0.910	2.124	0.725	0.484		
	RELATIVE RISK		1.000		0.837	1.640	0.929	2.168	0.740	0.494		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.7276	0.1202	0.5537	0.0998	0.6407	0.7561	0.4933	0.3846	0.2977	0.2184	0.3433
1971-74	OBS.	177	64	42	36	15	10	5	1	4		
	EXP.		69.9	49.2	31.8	10.2	8.5	3.5	1.6	2.2		
	OBS./EXP.		0.916	0.853	1.133	1.484	1.171	1.414	0.630	1.798		
	RELATIVE RISK		1.000		1.274	1.645	1.316	1.589	0.708	2.020		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.2078	0.1095	0.3379	0.3011	0.6618	0.2345	0.1042	0.1984	0.2090	0.4315	0.0461
1975-78	OBS.	189	73	42	36	10	14	5	5	4		
	EXP.		75.2	54.0	32.9	10.3	9.0	3.6	1.7	2.2		
	OBS./EXP.		0.971	0.778	1.096	0.953	1.560	1.372	2.891	1.850		
	RELATIVE RISK		1.000		1.231	1.071	1.751	1.541	3.247	2.078		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.2412	0.4877	0.0897	0.3008	0.0492	0.2232	0.2498	0.0155	0.0370	0.0444	0.0016

TABLE 25-a ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

TABLE 25-b

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	1183	444	327	251	63	44	29	7	18		
TOTAL	EXP.		478.0	328.6	237.9	64.7	39.0	17.1	8.0	9.9		
	OBS./EXP. RELATIVE RISK		0.929 1.000	0.995	1.055 1.104	0.974 1.019	1.130 1.182	1.699 1.778	0.877 0.917	1.820 1.904		
	TEST PROB.	AB=CD? 0.1902	AB=0? 0.4821	AB=E? 0.2649	AB=F? 0.0222	AB=G? 0.6167	AB=H? 0.0386	AB=CD? 0.2171	AB=E-H? 0.0155	AB=FGH? 0.0094	NOMO, 0.0869	TREND, 0.0003
1950-54	OBS.	125	42	33	33	7	4	4	1	3		
	EXP.		51.0	34.7	25.4	6.8	3.5	1.6	0.8	1.0		
	OBS./EXP. RELATIVE RISK		0.823 1.000	0.893	1.301 1.528	1.028 1.208	1.063 1.249	2.523 2.963	1.302 1.529	3.104 3.646		
	TEST PROB.	AB=CD? 0.0940	AB=0? 0.4443	AB=E? 0.4264	AB=F? 0.1274	AB=G? 0.3491	AB=H? 0.1272	AB=CD? 0.1022	AB=E-H? 0.0783	AB=FGH? 0.0389	NOMO, 0.0843	TREND, 0.0031
1955-58	OBS.	143	65	43	22	4	4	3	0	2		
	EXP.		55.7	41.0	29.4	8.0	4.7	2.1	0.9	1.1		
	OBS./EXP. RELATIVE RISK		1.167 1.000	1.048	0.747 0.669	0.498 0.446	0.851 0.762	1.463 1.310	0.000 0.000	1.780 1.594		
	TEST PROB.	AB=CD? 0.9057	AB=0? 0.8996	AB=E? 0.7000	AB=F? 0.4138	AB=G? 0.8471	AB=H? 0.3860	AB=CD? 0.9497	AB=E-H? 0.6122	AB=FGH? 0.4367	NOMO, 0.3473	TREND, 0.5557
1959-62	OBS.	147	68	47	31	12	4	0	2	3		
	EXP.		61.0	40.1	29.7	8.0	4.3	1.9	0.9	1.1		
	OBS./EXP. RELATIVE RISK		0.786 1.000	1.172	1.044 1.112	1.494 1.591	0.935 0.996	0.000 0.000	2.222 2.366	2.814 2.996		
	TEST PROB.	AB=CD? 0.4041	AB=0? 0.1758	AB=E? 0.3699	AB=F? 0.8874	AB=G? 0.4066	AB=H? 0.1909	AB=CD? 0.2520	AB=E-H? 0.4689	AB=FGH? 0.4515	NOMO, 0.0729	TREND, 0.0575
1963-66	OBS.	168	57	52	39	8	5	4	0	3		
	EXP.		69.0	46.1	33.3	9.0	5.2	2.4	1.1	1.4		
	OBS./EXP. RELATIVE RISK		0.826 1.000	1.129	1.153 1.217	0.892 0.942	0.952 1.006	1.683 1.777	0.000 0.000	2.198 2.320		
	TEST PROB.	AB=CD? 0.2547	AB=0? 0.5926	AB=E? 0.5329	AB=F? 0.3139	AB=G? 0.8475	AB=H? 0.2614	AB=CD? 0.3076	AB=E-H? 0.3403	AB=FGH? 0.2875	NOMO, 0.3165	TREND, 0.1383
1967-70	OBS.	172	64	41	44	11	5	4	1	2		
	EXP.		70.2	47.2	34.4	9.3	5.7	2.6	1.2	1.5		
	OBS./EXP. RELATIVE RISK		0.911 1.000	0.868	1.280 1.432	1.187 1.328	0.875 0.979	1.560 1.745	0.858 0.959	1.372 1.535		
	TEST PROB.	AB=CD? 0.0923	AB=0? 0.3023	AB=E? 0.5222	AB=F? 0.3146	AB=G? 0.5220	AB=H? 0.3923	AB=CD? 0.0823	AB=E-H? 0.3418	AB=FGH? 0.2689	NOMO, 0.5934	TREND, 0.1949
1971-74	OBS.	206	77	59	38	7	15	6	1	3		
	EXP.		81.7	58.4	40.9	11.3	7.2	3.2	1.5	1.8		
	OBS./EXP. RELATIVE RISK		0.943 1.000	1.010	0.929 0.957	0.621 0.640	2.074 2.137	1.849 1.904	0.688 0.709	1.647 1.698		
	TEST PROB.	AB=CD? 0.5929	AB=0? 0.8385	AB=E? 0.0350	AB=F? 0.2125	AB=G? 0.6834	AB=H? 0.4112	AB=CD? 0.7213	AB=E-H? 0.0229	AB=FGH? 0.2142	NOMO, 0.0520	TREND, 0.0247
1975-78	OBS.	222	91	54	44	14	7	8	2	2		
	EXP.		90.0	61.1	44.1	12.0	7.9	3.4	1.6	1.9		
	OBS./EXP. RELATIVE RISK		1.011 1.000	0.884	0.998 1.040	1.166 1.215	0.889 0.925	2.382 2.683	1.256 1.341	1.031 1.074		
	TEST PROB.	AB=CD? 0.4360	AB=0? 0.3558	AB=E? 0.5929	AB=F? 0.0415	AB=G? 0.3841	AB=H? 0.4220	AB=CD? 0.4046	AB=E-H? 0.1902	AB=FGH? 0.0758	NOMO, 0.3451	TREND, 0.0965

TABLE 25-9 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
MIYOSHIMA, MALE + FEMALE, ALL AGES

TABLE 25-9

YEAR	CLASS	1-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-73 TOTAL	OBS. EXP.	1748	767 790.4	424 449.9	330 325.8	90 86.6	60 53.2	43 19.0	10 9.3	24 13.7
	OBS./EXP. RELATIVE RISK		0.970 1.000	0.942 1.000	1.013 1.055	1.039 1.082	1.127 1.173	2.259 2.353	1.075 1.119	1.757 1.829
	TEST PROB.	AB=C? 0.2926	AB=D? 0.3228	AB=E? 0.2076	AB=F? 0.0000	AB=G? 0.4731	AB=H? 0.0218	AB=I? 0.2415	AB=J? 0.0007	AB=K? 0.0000
1950-54	OBS. EXP.	192	81 86.9	47 49.4	42 35.8	9 9.6	6 5.8	3 2.0	1 1.0	3 1.5
	OBS./EXP. RELATIVE RISK		0.932 1.000	0.952 1.000	1.174 1.250	0.934 0.995	1.040 1.108	1.505 1.603	0.998 1.063	2.035 2.167
	TEST PROB.	AB=C? 0.2006	AB=D? 0.4911	AB=E? 0.4387	AB=F? 0.4300	AB=G? 0.4358	AB=H? 0.2849	AB=I? 0.2381	AB=J? 0.2737	AB=K? 0.2298
1955-58	OBS. EXP.	195	106 88.3	44 49.7	25 36.7	9 10.0	4 5.8	6 2.0	0 1.0	1 1.4
	OBS./EXP. RELATIVE RISK		1.200 1.000	0.884 1.000	0.681 0.627	0.904 0.832	0.690 0.635	2.935 2.701	0.000 0.000	0.708 0.652
	TEST PROB.	AB=C? 0.9471	AB=D? 0.6238	AB=E? 0.7777	AB=F? 0.0664	AB=G? 0.8465	AB=H? 0.6684	AB=I? 0.9607	AB=J? 0.5262	AB=K? 0.3118
1959-62	OBS. EXP.	236	87 106.8	71 60.3	47 44.1	12 12.3	10 7.1	2 2.5	2 1.2	5 1.7
	OBS./EXP. RELATIVE RISK		0.815 1.000	1.177 1.000	1.066 1.127	0.978 1.035	1.403 1.489	0.803 0.850	1.631 1.726	2.917 3.085
	TEST PROB.	AB=C? 0.3249	AB=D? 0.4590	AB=E? 0.2436	AB=F? 0.6242	AB=G? 0.4039	AB=H? 0.0645	AB=I? 0.3609	AB=J? 0.1013	AB=K? 0.1980
1963-66	OBS. EXP.	259	112 117.4	67 66.1	50 48.5	14 12.9	5 7.8	6 2.9	0 1.3	5 2.0
	OBS./EXP. RELATIVE RISK		0.954 1.000	1.014 1.000	1.031 1.057	1.081 1.108	0.641 0.657	2.035 2.106	0.000 0.000	2.550 2.615
	TEST PROB.	AB=C? 0.4304	AB=D? 0.4608	AB=E? 0.7855	AB=F? 0.1424	AB=G? 0.8584	AB=H? 0.1016	AB=I? 0.3983	AB=J? 0.3762	AB=K? 0.1095
1967-70	OBS. EXP.	250	110 113.5	59 63.7	48 46.8	16 12.3	8 7.7	6 2.8	1 1.3	2 2.0
	OBS./EXP. RELATIVE RISK		0.969 1.000	0.926 1.000	1.025 1.075	1.306 1.369	1.044 1.095	2.128 2.231	0.788 0.826	1.014 1.063
	TEST PROB.	AB=C? 0.4045	AB=D? 0.2283	AB=E? 0.4486	AB=F? 0.1219	AB=G? 0.8253	AB=H? 0.4310	AB=I? 0.2687	AB=J? 0.2714	AB=K? 0.2233
1971-74	OBS. EXP.	290	128 131.1	61 74.9	59 54.2	13 14.0	15 8.9	8 3.2	2 1.5	4 2.3
	OBS./EXP. RELATIVE RISK		0.977 1.000	0.815 1.000	1.089 1.187	0.927 1.010	1.693 1.844	2.506 2.730	1.320 1.438	1.731 1.856
	TEST PROB.	AB=C? 0.2284	AB=D? 0.4797	AB=E? 0.0571	AB=F? 0.0315	AB=G? 0.3847	AB=H? 0.2551	AB=I? 0.2567	AB=J? 0.0066	AB=K? 0.0266
1975-78	OBS. EXP.	326	143 146.3	75 85.8	59 60.6	17 15.5	12 10.1	12 3.5	4 1.8	4 2.5
	OBS./EXP. RELATIVE RISK		0.977 1.000	0.874 1.000	0.974 1.037	1.099 1.171	1.190 1.268	3.451 3.675	2.246 2.392	1.621 1.726
	TEST PROB.	AB=C? 0.4582	AB=D? 0.3675	AB=E? 0.3282	AB=F? 0.0009	AB=G? 0.1744	AB=H? 0.3147	AB=I? 0.3927	AB=J? 0.0085	AB=K? 0.0012

TABLE 25-10 ALL MALIGNANT NEOPLASMS EXCEPT STOMACH, LUNG,
BREAST, THYROID, AND LEUKEMIA
NAGASAKI, MALE - FEMALE, ALL AGES

TABLE 25-10

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	465	91	163	104	40	32	17	8	10
	EXP.		97.7	168.2	97.7	36.6	32.2	16.6	7.1	8.9
	OBS./EXP.		0.931	0.969	1.065	1.092	0.993	1.027	1.125	1.123
	RELATIVE RISK		1.000		1.115	1.143	1.040	1.075	1.178	1.176
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2808	0.2852	0.4702	0.4729	0.4219	0.4185	0.2292	0.3717	0.3467
									0.9785	0.9785
										0.2662
1950-54	OBS. TOTAL	41	12	13	10	1	0	3	1	1
	EXP.		8.1	15.7	9.7	2.9	2.3	1.1	0.5	0.7
	OBS./EXP.		1.490	0.826	1.028	0.344	0.000	2.712	2.069	1.404
	RELATIVE RISK		1.000		0.978	0.328	0.000	2.582	1.969	1.336
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5481	0.8416	0.9060	0.2296	0.3081	0.3683	0.6823	0.4591	0.2177
									0.1956	0.1956
										0.2581
1955-58	OBS. TOTAL	53	10	23	13	2	3	0	1	1
	EXP.		10.0	20.6	12.3	3.9	3.1	1.6	0.6	0.9
	OBS./EXP.		0.995	1.117	1.054	0.518	0.964	0.000	1.572	1.157
	RELATIVE RISK		1.000		0.979	0.481	0.894	0.000	1.460	1.074
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5407	0.8131	0.5857	0.8780	0.3497	0.4209	0.6698	0.7064	0.7500
									0.8825	0.8825
										0.6902
1959-62	OBS. TOTAL	51	5	24	11	2	5	0	2	2
	EXP.		10.5	18.7	11.1	4.1	3.3	1.6	0.7	1.0
	OBS./EXP.		0.478	1.281	0.994	0.486	1.519	0.000	2.760	2.029
	RELATIVE RISK		1.000		1.001	0.490	1.530	0.000	2.778	2.042
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5322	0.7929	0.3312	0.8741	0.2872	0.4553	0.6639	0.3278	0.4263
									0.1268	0.1268
										0.1798
1963-66	OBS. TOTAL	64	15	19	15	9	1	5	0	0
	EXP.		13.3	23.3	13.8	5.0	4.2	2.2	1.0	1.3
	OBS./EXP.		1.128	0.817	1.088	1.797	0.237	2.311	0.000	0.000
	RELATIVE RISK		1.000		1.171	1.934	0.255	2.486	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4099	0.1451	0.8952	0.1508	0.8413	0.8568	0.2255	0.7411	0.4306
									0.0787	0.0787
										0.6974
1967-70	OBS. TOTAL	78	15	23	19	10	4	5	1	1
	EXP.		17.2	27.2	15.6	8.4	5.7	3.0	1.3	1.6
	OBS./EXP.		0.871	0.846	1.217	1.573	0.696	1.644	0.793	0.644
	RELATIVE RISK		1.000		1.422	1.838	0.813	1.922	0.915	0.753
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2261	0.1458	0.6669	0.2922	0.5685	0.6542	0.1245	0.4545	0.3639
									0.5608	0.5608
										0.4190
1971-74	OBS. TOTAL	93	13	40	15	9	10	3	0	3
	EXP.		20.5	32.8	18.5	7.5	6.9	3.6	1.5	1.7
	OBS./EXP.		0.635	1.220	0.812	1.202	1.447	0.836	0.000	1.729
	RELATIVE RISK		1.000		0.816	1.208	1.455	0.840	0.000	1.737
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7223	0.3962	0.2718	0.6420	0.8683	0.3851	0.6115	0.4111	0.6264
									0.2339	0.2339
										0.2832
1975-78	OBS. TOTAL	85	21	21	21	7	9	1	3	2
	EXP.		18.9	29.2	16.4	7.0	6.8	3.5	1.5	1.6
	OBS./EXP.		1.111	0.718	1.283	0.995	1.329	0.284	1.996	1.223
	RELATIVE RISK		1.000		1.471	1.140	1.524	0.325	2.288	1.402
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1869	0.4770	0.2514	0.8440	0.2487	0.3827	0.2065	0.3305	0.4506
									0.3305	0.3305
										0.3026

TABLE 26-1 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	226	80	72	42	11	9	8	1	3
	EXP.		89.7	63.8	43.2	12.7	8.9	3.7	1.7	2.3
	OBS./EXP. RELATIVE RISK		0.892 1.000	1.129	0.972 0.982	0.866 0.874	1.013 1.023	2.153 2.174	0.596 0.602	1.295 1.308
	TEST PROB.	AB=C? 0.5470	AB=D? 0.6549	AB=E? 0.5554	AB=F? 0.0975	AB=G? 0.7197	AB=H? 0.4105	AB=I? 0.5877	AB=J? 0.3093	AB=K? 0.1933
										TREND, 0.1472
1950-54	OBS. TOTAL	27	8	11	6	2	0	0	0	0
	EXP.		10.4	7.7	5.4	1.6	1.0	0.4	0.2	0.3
	OBS./EXP. RELATIVE RISK		0.770 1.000	1.427	1.114 1.061	1.269 1.209	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4393	AB=D? 0.3997	AB=E? 0.8582	AB=F? 0.8125	AB=G? 0.7844	AB=H? 0.7923	AB=I? 0.4396	AB=J? 0.9040	AB=K? 0.8490
										TREND, 0.8629
1955-58	OBS. TOTAL	31	11	13	5	0	1	1	0	0
	EXP.		12.1	8.9	6.1	1.8	1.2	0.5	0.2	0.3
	OBS./EXP. RELATIVE RISK		0.912 1.000	1.444	0.824 0.719	0.000 0.000	0.832 0.726	1.988 1.735	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7353	AB=D? 0.8938	AB=E? 0.6636	AB=F? 0.3246	AB=G? 0.7857	AB=H? 0.7945	AB=I? 0.8400	AB=J? 0.6754	AB=K? 0.6161
										TREND, 0.7401
1959-62	OBS. TOTAL	26	14	6	3	1	0	2	0	0
	EXP.		10.8	7.0	4.9	1.5	1.0	0.4	0.2	0.3
	OBS./EXP. RELATIVE RISK		1.296 1.000	0.853	0.613 0.546	0.682 0.608	0.000 0.000	5.316 4.742	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5008	AB=D? 0.7195	AB=E? 0.8560	AB=F? 0.1871	AB=G? 0.7829	AB=H? 0.7929	AB=I? 0.8122	AB=J? 0.5769	AB=K? 0.4493
										TREND, 0.4690
1963-66	OBS. TOTAL	34	10	11	8	2	1	1	0	1
	EXP.		13.5	9.6	6.5	1.9	1.3	0.6	0.2	0.3
	OBS./EXP. RELATIVE RISK		0.742 1.000	1.144	1.223 1.344	1.043 1.147	0.757 0.832	1.748 1.922	0.000 0.000	3.115 3.424
	TEST PROB.	AB=C? 0.3781	AB=D? 0.4194	AB=E? 0.6642	AB=F? 0.3298	AB=G? 0.7869	AB=H? 0.2833	AB=I? 0.3679	AB=J? 0.4125	AB=K? 0.3827
										TREND, 0.1694
1967-70	OBS. TOTAL	44	12	12	9	2	4	3	0	2
	EXP.		17.4	12.4	8.4	2.5	1.8	0.8	0.3	0.5
	OBS./EXP. RELATIVE RISK		0.692 1.000	0.966	1.075 1.331	0.803 0.996	2.273 2.819	3.906 4.846	0.000 0.000	4.200 5.210
	TEST PROB.	AB=C? 0.3700	AB=D? 0.6459	AB=E? 0.1378	AB=F? 0.0526	AB=G? 0.7854	AB=H? 0.1629	AB=I? 0.3900	AB=J? 0.0156	AB=K? 0.0338
										TREND, 0.0184
1971-74	OBS. TOTAL	32	13	11	4	2	0	1	1	0
	EXP.		13.0	9.0	6.0	1.7	1.2	0.5	0.2	0.3
	OBS./EXP. RELATIVE RISK		1.003 1.000	1.219	0.665 0.609	1.158 1.061	0.000 0.000	1.997 1.829	4.202 3.849	0.000 0.000
	TEST PROB.	AB=C? 0.7907	AB=D? 0.4338	AB=E? 0.8642	AB=F? 0.3220	AB=G? 0.2711	AB=H? 0.7962	AB=I? 0.7488	AB=J? 0.6460	AB=K? 0.3912
										TREND, 0.5829
1975-78	OBS. TOTAL	32	12	8	7	2	3	0	0	0
	EXP.		12.8	9.0	6.0	1.8	1.3	0.5	0.3	0.3
	OBS./EXP. RELATIVE RISK		0.940 1.000	0.888	1.174 1.278	1.098 1.196	2.247 2.468	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4284	AB=D? 0.3976	AB=E? 0.3104	AB=F? 0.8094	AB=G? 0.7848	AB=H? 0.7894	AB=I? 0.4472	AB=J? 0.4067	AB=K? 0.8451
										TREND, 0.8241

TABLE 26-2 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD							
		TOTAL	0	1-9	10-19	20-29	30-39	40-49	50-59
		A	B	C	D	E	F	G	H
1950-78	OBS. TOTAL	3	1	0	1	0	0	1	0
	EXP.		0.9	1.1	0.7	0.2	0.1	0.1	0.0
	OBS./EXP. RELATIVE RISK		1.122	0.000	1.443	0.000	0.000	1.000	0.000
			1.000		2.751	0.000	0.000	31.158	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?
		0.2805	0.7719	0.7667	0.2419	0.7614	0.7618	0.2922	0.2495
									0.2442
									0.0255
									0.1167
1950-54	OBS. TOTAL	1	0	0	1	0	0	0	0
	EXP.		0.2	0.4	0.3	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000	0.000	3.922	0.000	0.000	0.000	0.000
				X	X	X	X	X	X
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?
		0.2398	X	X	X	X	X	0.2398	X
									X
									0.3921
									0.5027
1955-58	OBS. TOTAL	0	0	0	0	0	0	0	0
	EXP.								
	OBS./EXP. RELATIVE R								
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?
		X	X	X	X	X	X	X	X
									X
									X
1959-62	OBS. TOTAL	0	0	0	0	0	0	0	0
	EXP.								
	OBS./EXP. RELATIVE R								
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?
		X	X	X	X	X	X	X	X
									X
									X
1963-66	OBS. TOTAL	0	0	0	0	0	0	0	0
	EXP.								
	OBS./EXP. RELATIVE R								
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?
		X	X	X	X	X	X	X	X
									X
									X
1967-70	OBS. TOTAL	0	0	0	0	0	0	0	0
	EXP.								
	OBS./EXP. RELATIVE R								
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?
		X	X	X	X	X	X	X	X
									X
									X
1971-74	OBS. TOTAL	2	1	0	0	0	0	1	0
	EXP.		0.7	0.7	0.4	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.515	0.000	0.000	0.000	0.000	29.088	0.000
			1.000		0.000	0.000	0.000	38.477	0.000
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?
		0.8060	0.7719	0.7666	0.2419	0.7614	0.7617	0.8145	0.2496
									0.2442
									0.0002
									0.0413
1975-78	OBS. TOTAL	0	0	0	0	0	0	0	0
	EXP.								
	OBS./EXP. RELATIVE R								
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?
		X	X	X	X	X	X	X	X
									X
									X

TABLE 26-3 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR CLASS		T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS. TOTAL	20	5	8	3	0	2	1	1	0
	EXP.		6.9	6.4	3.2	1.1	1.2	0.6	0.2	0.3
	OBS./EXP.		0.728	1.242	0.933	0.000	1.616	1.746	4.485	0.000
	RELATIVE RISK		1.000		0.956	0.000	1.653	1.788	4.593	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5622	0.8579	0.3775	0.3335	0.2663	0.7960	0.7045	0.4131	0.3891
									0.5493	0.2350
1950-54	OBS. TOTAL	1	0	1	0	0	0	0	0	0
	EXP.		0.2	0.4	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	2.622	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8110	0.7866	0.7923	0.7756	0.7652	0.7690	0.8298	0.8146	0.7878
									0.9778	0.6327
1955-58	OBS. TOTAL	2	0	0	0	0	1	1	0	0
	EXP.		0.4	0.7	0.3	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		0.000	0.000	0.000	0.000	4.884	9.865	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	X	X	0.2398	0.2398	X	X	X	0.1551	0.2398
									0.9779	0.0536
1959-62	OBS. TOTAL	2	2	0	0	0	0	0	0	0
	EXP.		0.7	0.6	0.3	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.		3.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8286	0.7904	0.7939	0.7745	0.7665	0.7697	0.8471	0.8170	0.7899
									0.7368	0.7801
1963-66	OBS. TOTAL	4	1	2	1	0	0	0	0	0
	EXP.		1.3	1.2	0.7	0.2	0.3	0.1	0.0	0.1
	OBS./EXP.		0.742	1.632	1.462	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.247	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3781	0.8042	0.8120	0.7880	0.7698	0.7723	0.5913	0.8434	0.8048
									0.9820	0.7498
1967-70	OBS. TOTAL	5	1	3	0	0	1	0	0	0
	EXP.		1.8	1.5	0.8	0.3	0.3	0.1	0.1	0.1
	OBS./EXP.		0.557	1.960	0.000	0.000	3.344	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	2.782	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8536	0.7976	0.2844	0.7788	0.7688	0.7721	0.8725	0.3436	0.7958
									0.6739	0.5316
1971-74	OBS. TOTAL	3	1	1	0	0	0	0	1	0
	EXP.		1.1	1.0	0.4	0.1	0.2	0.1	0.0	0.0
	OBS./EXP.		0.913	0.986	0.000	0.000	0.000	0.000	35.372	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	37.318	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8227	0.7287	0.7936	0.7766	0.2426	0.7700	0.8405	0.2703	0.2542
									0.0000	0.0000
1975-78	OBS. TOTAL	3	0	1	2	0	0	0	0	0
	EXP.		1.3	1.0	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	1.043	4.682	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		10.769	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1558	0.7691	0.7680	0.7637	0.7623	0.7637	0.199A	0.7763	0.7690
									0.3877	0.6231

TABLE 26-4 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 28-4

HIROSHIMA • NAGASAKI, MALE • FEMALE, AGE ATB 20-34

YEAR	CLASS	T=85 TOTAL DOSE IN RAD								
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-76	OBS. TOTAL	32	8	8	6	5	4	0	0	1
	EXP.		12.5	9.1	5.8	1.9	1.4	0.7	0.3	0.4
	OBS./EXP. RELATIVE RISK		0.642 1.000	0.882	1.031 1.387	2.661 3.581	2.919 3.928	0.000 0.000	0.000 0.000	2.406 3.238
	TEST PROB.	AB=C? 0.4113	AB=D? 0.0496	AB=E? 0.0942	AB=F? 0.8121	AB=G? 0.7883	AB=H? 0.2819	AB=I? 0.1407	AB=J? 0.2118	AB=K? 0.5974
										AB=L? 0.0507
										AB=M? 0.0698
1950-54	OBS. TOTAL	3	2	0	1	0	0	0	0	0
	EXP.		1.2	0.8	0.5	0.2	0.2	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		1.731 1.000	0.000	1.922 1.874	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3149	AB=D? 0.7986	AB=E? 0.7979	AB=F? 0.7846	AB=G? 0.7702	AB=H? 0.7690	AB=I? 0.3620	AB=J? 0.8276	AB=K? 0.7994
										AB=L? 0.9278
										AB=M? 0.7229
1955-58	OBS. TOTAL	4	1	3	0	0	0	0	0	0
	EXP.		1.3	1.3	0.8	0.3	0.2	0.1	0.0	0.1
	OBS./EXP. RELATIVE RISK		0.779 1.000	2.364	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8713	AB=D? 0.8086	AB=E? 0.5015	AB=F? 0.7818	AB=G? 0.7713	AB=H? 0.7742	AB=I? 0.8928	AB=J? 0.8335	AB=K? 0.8025
										AB=L? 0.7938
										AB=M? 0.7630
1959-62	OBS. TOTAL	4	0	1	2	1	0	0	0	0
	EXP.		1.8	1.1	0.7	0.2	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000 1.000	0.938	2.793 7.955	5.010 14.270	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2207	AB=D? 0.2683	AB=E? 0.7688	AB=F? 0.7636	AB=G? 0.7623	AB=H? 0.7635	AB=I? 0.1170	AB=J? 0.7768	AB=K? 0.7687
										AB=L? 0.3747
										AB=M? 0.4954
1963-66	OBS. TOTAL	1	0	0	0	1	0	0	0	0
	EXP.		0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000	0.000	0.000	25.783	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? X	AB=D? 0.2398	AB=E? X	AB=F? X	AB=G? X	AB=H? X	AB=I? 0.2398	AB=J? X	AB=K? X
										AB=L? 0.0008
										AB=M? 0.2405
1967-70	OBS. TOTAL	8	2	2	1	1	1	0	0	1
	EXP.		3.1	2.3	1.5	0.5	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.651 1.000	0.857	0.667 0.901	2.212 2.990	3.116 4.212	0.000 0.000	0.000 0.000	9.796 13.241
	TEST PROB.	AB=C? 0.5830	AB=D? 0.2746	AB=E? 0.2590	AB=F? 0.7691	AB=G? 0.7655	AB=H? 0.2678	AB=I? 0.3711	AB=J? 0.2236	AB=K? 0.2657
										AB=L? 0.1433
										AB=M? 0.0085
1971-74	OBS. TOTAL	6	2	2	1	1	0	0	0	0
	EXP.		2.6	1.7	1.1	0.3	0.2	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.826 1.000	1.154	0.922 0.958	3.231 3.356	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5642	AB=D? 0.2768	AB=E? 0.7935	AB=F? 0.7777	AB=G? 0.7693	AB=H? 0.7714	AB=I? 0.3694	AB=J? 0.8209	AB=K? 0.7949
										AB=L? 0.9532
										AB=M? 0.6398
1975-78	OBS. TOTAL	6	1	0	1	1	3	0	0	0
	EXP.		2.3	1.6	1.0	0.4	0.3	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.431 1.000	0.000	0.956 3.741	2.374 9.289	9.802 38.360	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2714	AB=D? 0.2481	AB=E? 0.0057	AB=F? 0.7633	AB=G? 0.7621	AB=H? 0.7632	AB=I? 0.2988	AB=J? 0.0450	AB=K? 0.7680
										AB=L? 0.0002
										AB=M? 0.0508

TABLE 26-5 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATR 35-49

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	84	34	27	14	2	1	2	0	2
TOTAL	EXP.		34.1	22.7	14.2	4.7	3.5	1.3	0.6	0.9
	OBS./EXP.		1.055	1.191	0.862	0.430	0.289	1.516	0.000	2.179
	RELATIVE RISK		1.000		0.777	0.387	0.261	1.367	0.000	1.964
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7534	0.8673	0.8816	0.3835	0.8219	0.4395	0.8478	0.7364	0.4320
									0.4537	0.5402
1950-54	OBS.	7	2	5	0	0	0	0	0	0
	EXP.		3.1	1.7	1.3	0.3	0.2	0.1	0.0	0.1
	OBS./EXP.		0.635	2.872	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8971	0.8124	0.7976	0.7741	0.7673	0.7705	0.9152	0.8205	0.7895
									0.2799	0.7911
1955-58	OBS.	8	4	2	2	0	0	0	0	0
	EXP.		3.4	2.0	1.5	0.4	0.3	0.1	0.0	0.1
	OBS./EXP.		1.114	0.996	1.315	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.227	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3907	0.3064	0.7939	0.7724	0.7663	0.7696	0.5471	0.8148	0.7862
									0.9935	0.7543
1959-62	OBS.	9	6	2	0	0	0	1	0	0
	EXP.		3.8	2.3	1.7	0.5	0.4	0.1	0.1	0.1
	OBS./EXP.		1.566	0.858	0.000	0.000	0.000	7.746	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	5.968	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.9061	0.8255	0.8128	0.2591	0.7714	0.7765	0.9267	0.3898	0.2870
									0.1966	0.4440
1963-66	OBS.	12	6	1	3	0	0	1	0	1
	EXP.		4.5	3.5	2.4	0.7	0.5	0.2	0.1	0.2
	OBS./EXP.		1.345	0.290	1.272	0.000	0.000	4.431	0.000	4.455
	RELATIVE RISK		1.000		1.437	0.000	0.000	5.030	0.000	7.296
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4096	0.8231	0.8119	0.2640	0.7717	0.2574	0.6085	0.3964	0.2419
									0.1340	0.0513
1967-70	OBS.	19	5	6	6	0	1	0	0	1
	EXP.		7.2	5.4	3.8	1.1	0.5	0.3	0.2	0.2
	OBS./EXP.		0.698	1.120	1.593	0.000	1.198	0.000	0.000	4.274
	RELATIVE RISK		1.000		1.817	0.000	1.367	0.000	0.000	4.875
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2794	0.3462	0.3514	0.7959	0.7773	0.2650	0.4335	0.3769	0.3373
									0.5088	0.2109
1971-74	OBS.	14	5	6	2	1	0	0	0	0
	EXP.		5.9	3.6	2.7	0.8	0.6	0.2	0.1	0.1
	OBS./EXP.		0.846	1.651	0.746	1.304	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.647	1.131	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7276	0.3908	0.8199	0.7863	0.7729	0.7768	0.6847	0.8527	0.8095
									0.8909	0.8909
1975-78	OBS.	15	8	5	1	1	0	0	0	0
	EXP.		6.1	4.1	2.9	0.8	0.7	0.2	0.1	0.1
	OBS./EXP.		1.317	1.218	0.350	1.212	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.274	0.949	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8713	0.5821	0.8387	0.7935	0.7764	0.7814	0.8451	0.8745	0.8214
									0.8627	0.8581

TABLE 26-6 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T=85 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	87	30	29	18	4	2	4	0	0
TOTAL	EXP.		35.4	24.6	17.2	4.9	2.7	1.1	0.5	0.6
	OBS./EXP.		0.847	1.121	1.044	0.819	0.738	3.609	0.000	0.000
	RELATIVE RISK		1.000		1.061	0.833	0.750	3.668	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4693	0.6644	0.6975	0.0296	0.8082	0.8215	0.4732	0.4433	0.3307
1950-54	OBS.	15	4	5	4	2	0	0	0	0
	EXP.		5.7	4.4	3.1	0.9	0.5	0.2	0.1	0.1
	OBS./EXP.		0.703	1.137	1.289	2.268	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.445	2.542	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4592	0.4054	0.8103	0.7834	0.7706	0.7758	0.3239	0.8421	0.8046
1955-58	OBS.	17	6	8	3	0	0	0	0	0
	EXP.		6.8	4.9	3.4	1.0	0.5	0.2	0.1	0.1
	OBS./EXP.		0.887	1.637	0.872	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.725	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7043	0.8567	0.8221	0.7900	0.7730	0.7780	0.7943	0.8576	0.8137
1959-62	OBS.	11	4	3	1	0	0	1	0	0
	EXP.		4.5	3.0	2.1	0.7	0.4	0.1	0.1	0.1
	OBS./EXP.		1.326	0.997	0.467	0.000	0.000	7.033	0.000	0.000
	RELATIVE RISK		1.000		0.391	0.000	0.000	5.888	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8052	0.8338	0.8057	0.2608	0.7691	0.7736	0.8341	0.3933	0.2891
1963-66	OBS.	17	3	8	4	1	1	0	0	0
	EXP.		7.2	4.7	3.3	0.9	0.5	0.2	0.1	0.1
	OBS./EXP.		0.416	1.716	1.199	1.085	2.102	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.296	1.172	2.270	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4187	0.4154	0.3100	0.7847	0.7715	0.7723	0.4322	0.4197	0.8036
1967-70	OBS.	12	4	1	2	1	1	3	0	0
	EXP.		5.3	3.2	2.3	0.6	0.3	0.1	0.1	0.1
	OBS./EXP.		0.755	0.313	0.871	1.548	3.274	21.864	0.000	0.000
	RELATIVE RISK		1.000		1.479	2.623	5.560	37.127	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3714	0.2893	0.2618	0.0000	0.7643	0.7663	0.4743	0.0032	0.0008
1971-74	OBS.	7	4	2	1	0	0	0	0	0
	EXP.		2.9	2.0	1.4	0.4	0.2	0.1	0.0	0.1
	OBS./EXP.		1.391	1.012	0.732	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.592	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7221	0.8143	0.7890	0.7739	0.7677	0.7685	0.7405	0.8114	0.7876
1975-78	OBS.	8	3	2	3	0	0	0	0	0
	EXP.		3.0	2.4	1.6	0.5	0.3	0.1	0.1	0.1
	OBS./EXP.		0.991	0.850	1.839	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.979	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4105	0.8144	0.8019	0.7826	0.7699	0.7682	0.4031	0.8290	0.7967

TABLE 26-7 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-7

MIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD											
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H			
1950-78 TOTAL	OBS. EXP.	105	42 40.1	33 30.4	16 19.1	4 6.1	5 5.0	2 2.0	1 0.9	2 1.4			
	OBS./EXP. RELATIVE RISK		1.046 1.000	1.086	0.837 0.787	0.657 0.618	1.002 0.943	0.989 0.930	1.135 1.067	1.459 1.372			
	TEST PROB.	AB=C? 0.7580	AB=D? 0.7877	AB=E? 0.6071	AB=F? 0.5765	AB=G? 0.4160	AB=H? 0.3843	AB=I? 0.8147	AB=J-K? 0.5285	AB=L-M? 0.4313	AB=N-O? 0.9677	AB=P-Q? 0.4265	AB=R-S? TREND, 0.4265
1950-54	OBS. EXP.	12	2 3.8	7 3.8	2 2.4	1 0.8	0 0.6	0 0.3	0 0.1	0 0.2			
	OBS./EXP. RELATIVE RISK		0.531 1.000	1.849	0.821 0.689	1.299 1.090	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000			
	TEST PROB.	AB=C? 0.6964	AB=D? 0.4186	AB=E? 0.8363	AB=F? 0.8009	AB=G? 0.7775	AB=H? 0.7844	AB=I? 0.6684	AB=J-K? 0.8783	AB=L-M? 0.5302	AB=N-O? 0.6579	AB=P-Q? TREND, 0.8017	
1955-58	OBS. EXP.	11	4 4.2	4 3.2	2 2.1	0 0.6	1 0.5	0 0.2	0 0.1	0 0.1			
	OBS./EXP. RELATIVE RISK		0.952 1.000	1.252	0.964 0.891	0.000 0.000	1.995 1.844	0.000 0.000	0.000 0.000	0.000 0.000			
	TEST PROB.	AB=C? 0.6067	AB=D? 0.8272	AB=E? 0.3241	AB=F? 0.7836	AB=G? 0.7700	AB=H? 0.7777	AB=I? 0.7034	AB=J-K? 0.5717	AB=L-M? 0.8059	AB=N-O? 0.9727	AB=P-Q? TREND, 0.6873	
1959-62	OBS. EXP.	14	9 5.3	3 4.1	1 2.6	0 0.8	0 0.7	1 0.3	0 0.1	0 0.2			
	OBS./EXP. RELATIVE RISK		1.695 1.000	0.739	0.388 0.303	0.000 0.000	0.000 0.000	3.952 3.086	0.000 0.000	0.000 0.000			
	TEST PROB.	AB=C? 0.8544	AB=D? 0.8533	AB=E? 0.8397	AB=F? 0.2826	AB=G? 0.7770	AB=H? 0.7867	AB=I? 0.9001	AB=J-K? 0.7123	AB=L-M? 0.3570	AB=N-O? 0.3358	AB=P-Q? TREND, 0.6873	
1963-66	OBS. EXP.	15	6 6.0	5 4.2	1 2.7	1 0.9	1 0.7	0 0.3	0 0.1	1 0.2			
	OBS./EXP. RELATIVE RISK		0.998 1.000	1.196	0.373 0.365	1.130 1.047	1.462 1.353	0.000 0.000	0.000 0.000	5.578 5.168			
	TEST PROB.	AB=C? 0.8357	AB=D? 0.6284	AB=E? 0.3548	AB=F? 0.7934	AB=G? 0.7745	AB=H? 0.2647	AB=I? 0.7954	AB=J-K? 0.3763	AB=L-M? 0.3400	AB=N-O? 0.5953	AB=P-Q? TREND, 0.1220	
1967-70	OBS. EXP.	16	5 6.3	5 4.5	3 2.8	1 0.9	1 0.8	0 0.3	0 0.1	1 0.2			
	OBS./EXP. RELATIVE RISK		0.793 1.000	1.111	1.057 1.142	1.054 1.138	1.319 1.425	0.000 0.000	0.000 0.000	4.691 5.067			
	TEST PROB.	AB=C? 0.4167	AB=D? 0.3835	AB=E? 0.3379	AB=F? 0.7925	AB=G? 0.7745	AB=H? 0.2616	AB=I? 0.4201	AB=J-K? 0.3831	AB=L-M? 0.3175	AB=N-O? 0.8049	AB=P-Q? TREND, 0.1508	
1971-74	OBS. EXP.	18	7 7.1	5 5.2	3 3.3	1 1.0	0 0.8	1 0.3	1 0.1	0 0.2			
	OBS./EXP. RELATIVE RISK		0.982 1.000	0.963	0.918 0.943	1.030 1.057	0.000 0.000	3.175 3.250	6.778 6.958	0.000 0.000			
	TEST PROB.	AB=C? 0.5682	AB=D? 0.4258	AB=E? 0.8315	AB=F? 0.2794	AB=G? 0.2557	AB=H? 0.7847	AB=I? 0.5512	AB=J-K? 0.3769	AB=L-M? 0.3185	AB=N-O? 0.3837	AB=P-Q? TREND, 0.2199	
1975-78	OBS. EXP.	19	9 7.4	4 5.4	4 3.4	0 1.1	2 0.9	0 0.4	0 0.2	0 0.2			
	OBS./EXP. RELATIVE RISK		1.210 1.000	0.747	1.185 1.167	0.000 0.000	2.166 2.132	0.000 0.000	0.000 0.000	0.000 0.000			
	TEST PROB.	AB=C? 0.4166	AB=D? 0.8558	AB=E? 0.3935	AB=F? 0.8007	AB=G? 0.7795	AB=H? 0.7832	AB=I? 0.6046	AB=J-K? 0.4925	AB=L-M? 0.8306	AB=N-O? 0.7509	AB=P-Q? TREND, 0.7202	

TABLE 26-8 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	121	38	39	26	7	4	6	0	1
	EXP.		49.6	33.4	24.1	6.6	3.9	1.7	0.8	0.9
	OBS./EXP. RELATIVE RISK		0.767 1.000	1.168	1.080 1.163	1.058 1.140	1.027 1.106	3.540 3.815	0.000 0.000	1.058 1.140
	TEST PROB.	AB=C? 0.3535	AB=D? 0.4503	AB=E? 0.4369	AB=F? 0.0233	AB=G? 0.8275	AB=H? 0.4201	AB=I? 0.3324	AB=E-H? 0.2202	AB=FGH? 0.1330
									0.0255	0.1016
1950-54	OBS. TOTAL	15	6	4	1	1	0	0	0	0
	EXP.		6.4	3.9	2.9	0.8	0.1	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.906 1.000	1.020	1.358 1.431	1.241 1.308	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4521	AB=D? 0.3695	AB=E? 0.8029	AB=F? 0.7789	AB=G? 0.7695	AB=H? 0.7713	AB=I? 0.4592	AB=E-H? 0.3301	AB=FGH? 0.7962
									0.9912	0.7343
1955-58	OBS. TOTAL	20	7	9	3	0	0	1	0	0
	EXP.		7.9	5.7	4.0	1.2	0.7	0.3	0.1	0.2
	OBS./EXP. RELATIVE RISK		0.890 1.000	1.582	0.751 0.836	0.000 0.000	0.000 0.000	3.220 2.727	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7350	AB=D? 0.8645	AB=E? 0.8304	AB=F? 0.2894	AB=G? 0.7783	AB=H? 0.7812	AB=I? 0.8360	AB=E-H? 0.7095	AB=FGH? 0.3606
									0.5428	0.6784
1959-62	OBS. TOTAL	12	5	3	2	1	0	1	0	0
	EXP.		5.5	3.0	2.3	0.6	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.910 1.000	1.008	0.863 0.914	1.605 1.699	0.000 0.000	8.117 8.592	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5878	AB=D? 0.3246	AB=E? 0.7934	AB=F? 0.2532	AB=G? 0.7682	AB=H? 0.7692	AB=I? 0.4262	AB=E-H? 0.3193	AB=FGH? 0.2708
									0.4263	0.2467
1963-66	OBS. TOTAL	19	6	6	7	1	0	1	0	0
	EXP.		7.5	5.4	3.9	1.0	0.6	0.3	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.536 1.000	1.104	1.814 2.339	0.969 1.249	0.000 0.000	3.285 4.234	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.1475	AB=D? 0.4046	AB=E? 0.8240	AB=F? 0.2788	AB=G? 0.7756	AB=H? 0.7759	AB=I? 0.1693	AB=E-H? 0.6311	AB=FGH? 0.3255
									0.4436	0.4862
1967-70	OBS. TOTAL	28	7	7	6	1	3	3	0	1
	EXP.		11.1	7.9	5.6	1.5	1.0	0.5	0.2	0.3
	OBS./EXP. RELATIVE RISK		0.633 1.000	0.886	1.081 1.464	0.649 0.879	2.994 4.057	6.523 8.838	0.000 0.000	3.803 5.152
	TEST PROB.	AB=C? 0.3805	AB=D? 0.5871	AB=E? 0.1185	AB=F? 0.0068	AB=G? 0.7783	AB=H? 0.2673	AB=I? 0.4100	AB=E-H? 0.0096	AB=FGH? 0.0214
									0.0019	0.0005
1971-74	OBS. TOTAL	14	6	6	1	1	0	0	0	0
	EXP.		5.8	3.8	2.8	0.8	0.4	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.029 1.000	1.586	0.363 0.293	1.323 1.065	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8663	AB=D? 0.4385	AB=E? 0.8178	AB=F? 0.7884	AB=G? 0.7743	AB=H? 0.7757	AB=I? 0.8247	AB=E-H? 0.8527	AB=FGH? 0.8115
									0.8596	0.8038
1975-78	OBS. TOTAL	13	3	4	3	2	1	0	0	0
	EXP.		5.3	3.7	2.6	0.7	0.4	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.563 1.000	1.095	1.159 1.486	2.888 3.704	2.498 3.205	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4125	AB=D? 0.2727	AB=E? 0.2781	AB=F? 0.7745	AB=G? 0.7677	AB=H? 0.7690	AB=I? 0.2964	AB=E-H? 0.3178	AB=FGH? 0.7888
									0.6745	0.4284

TABLE 26-9 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	174	68 78.9	52 44.8	35 32.3	9 8.6	5 5.2	3 1.9	1 0.9	1 1.3		
	OBS./EXP. RELATIVE RISK		0.862 1.000	1.160	1.082 1.116	1.046 1.078	0.962 0.992	1.608 1.658	1.089 1.123	0.747 0.770		
	TEST PROB.	AB=C? 0.3748	AB=D? 0.4505	AB=E? 0.5579	AB=F? 0.4103	AB=G? 0.4088	AB=H? 0.6543	AB=CD? 0.3668	AB=E-H? 0.4590	AB=FGH? 0.4694	HOMO. 0.8156	TREND. 0.4077
1950-54	OBS. EXP.	19	6 8.7	8 4.8	4 3.6	1 1.0	0 0.5	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.690 1.000	1.662	1.116 1.077	1.024 0.988	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.4323	AB=D? 0.5219	AB=E? 0.8167	AB=F? 0.7826	AB=G? 0.7719	AB=H? 0.7766	AB=CD? 0.4401	AB=E-H? 0.8432	AB=FGH? 0.8057	HOMO. 0.7878	TREND. 0.7762
1955-58	OBS. EXP.	23	10 10.6	9 5.8	4 4.3	0 1.2	0 0.6	0 0.2	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		0.952 1.000	1.540	0.922 0.794	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6712	AB=D? 0.8653	AB=E? 0.8270	AB=F? 0.7880	AB=G? 0.7744	AB=H? 0.7796	AB=CD? 0.7769	AB=E-H? 0.8622	AB=FGH? 0.8145	HOMO. 0.7718	TREND. 0.8697
1959-62	OBS. EXP.	22	12 9.9	5 5.6	3 4.1	1 1.1	0 0.7	1 0.2	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		1.209 1.000	0.886	0.735 0.673	0.887 0.813	0.000 0.000	4.151 3.802	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.7286	AB=D? 0.6362	AB=E? 0.8295	AB=F? 0.2716	AB=G? 0.7749	AB=H? 0.7806	AB=CD? 0.7246	AB=E-H? 0.6600	AB=FGH? 0.3229	HOMO. 0.7590	TREND. 0.6026
1963-66	OBS. EXP.	26	8 11.9	7 6.6	8 4.9	2 1.3	1 0.8	0 0.3	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		0.674 1.000	1.064	1.639 2.017	1.554 1.972	1.302 1.602	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.1716	AB=D? 0.4113	AB=E? 0.3419	AB=F? 0.7861	AB=G? 0.7725	AB=H? 0.7779	AB=CD? 0.1675	AB=E-H? 0.6167	AB=FGH? 0.8101	HOMO. 0.7369	TREND. 0.6037
1967-70	OBS. EXP.	33	11 13.0	8 8.4	6 6.2	2 1.6	3 1.0	2 0.4	0 0.2	1 0.3		
	OBS./EXP. RELATIVE RISK		0.731 1.000	0.954	0.973 1.200	1.228 1.514	3.073 3.789	5.456 6.727	0.000 0.000	3.866 4.767		
	TEST PROB.	AB=C? 0.4443	AB=D? 0.3813	AB=E? 0.1262	AB=F? 0.0926	AB=G? 0.7775	AB=H? 0.2675	AB=CD? 0.4270	AB=E-H? 0.0218	AB=FGH? 0.0795	HOMO. 0.0360	TREND. 0.0030
1971-74	OBS. EXP.	26	11 11.7	9 6.8	3 4.8	2 1.3	0 0.8	0 0.3	1 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		0.942 1.000	1.320	0.624 0.577	1.599 1.479	0.000 0.000	0.000 0.000	6.915 6.396	0.000 0.000		
	TEST PROB.	AB=C? 0.7927	AB=D? 0.3810	AB=E? 0.8338	AB=F? 0.7931	AB=G? 0.2580	AB=H? 0.7843	AB=CD? 0.7061	AB=E-H? 0.6973	AB=FGH? 0.3504	HOMO. 0.3123	TREND. 0.4331
1975-78	OBS. EXP.	25	10 11.2	6 6.7	7 4.6	1 1.2	1 0.8	0 0.2	0 0.1	0 0.2		
	OBS./EXP. RELATIVE RISK		0.896 1.000	0.902	1.511 1.682	0.829 0.923	1.294 1.441	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2702	AB=D? 0.5852	AB=E? 0.3601	AB=F? 0.7846	AB=G? 0.7725	AB=H? 0.7781	AB=CD? 0.3073	AB=E-H? 0.6370	AB=FGH? 0.8090	HOMO. 0.9555	TREND. 0.6843

TABLE 26-10 BENIGN NEOPLASMS AND NEOPLASMS OF UNSPECIFIED NATURE

TABLE 26-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	7-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	52	12	20	7	2	4	5	0	2
TOTAL	EXP.		10.8	19.0	10.9	2.1	3.7	1.9	0.8	1.0
	OBS./EXP.		1.109	1.055	0.644	0.488	1.086	2.701	0.000	2.044
	RELATIVE RISK		1.000		0.600	0.454	1.010	2.513	0.000	1.903
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8403	0.8259	0.5449	0.1143	0.8300	0.4218	0.8893	0.2952	0.1867
									0.1946	0.0905
1950-54	OBS.	8	2	3	2	1	0	0	0	0
	EXP.		1.7	2.9	1.8	0.6	0.5	0.3	0.1	0.1
	OBS./EXP.		1.177	1.037	1.111	1.669	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.020	1.531	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6422	0.3431	0.8262	0.7982	0.7756	0.7799	0.4083	0.5673	0.8236
									0.9865	0.8015
1955-58	OBS.	8	1	4	1	0	1	1	0	0
	EXP.		1.6	3.0	1.7	0.6	0.6	0.3	0.1	0.1
	OBS./EXP.		0.642	1.317	0.577	0.000	1.789	3.652	0.000	0.000
	RELATIVE RISK		1.000		0.530	0.000	1.644	3.355	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7645	0.8276	0.3234	0.2770	0.7743	0.7795	0.8207	0.3719	0.3203
									0.7859	0.3737
1959-62	OBS.	6	2	1	0	0	0	1	0	0
	EXP.		0.9	1.4	0.8	0.3	0.3	0.1	0.1	0.1
	OBS./EXP.		2.286	0.718	0.000	0.000	0.000	7.390	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	5.585	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8615	0.8149	0.8115	0.2605	0.7712	0.7773	0.8883	0.3645	0.2872
									0.2752	0.3077
1963-66	OBS.	8	2	4	0	0	0	1	0	1
	EXP.		1.6	3.0	1.7	0.6	0.6	0.3	0.1	0.1
	OBS./EXP.		1.256	1.319	0.000	0.000	0.000	3.565	0.000	7.212
	RELATIVE RISK		1.000		0.000	0.000	0.000	2.248	0.000	5.560
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.9068	0.8384	0.8334	0.2847	0.7773	0.2603	0.9319	0.3735	0.3522
									0.1573	0.0428
1967-70	OBS.	11	1	4	3	0	1	1	0	1
	EXP.		2.3	4.0	2.2	0.9	0.8	0.4	0.2	0.2
	OBS./EXP.		0.433	0.992	1.351	0.000	1.276	2.491	0.000	4.595
	RELATIVE RISK		1.000		1.714	0.000	1.619	3.161	0.000	5.834
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4400	0.8259	0.3312	0.2729	0.7755	0.2612	0.3982	0.2936	0.2942
									0.5601	0.0642
1971-74	OBS.	6	2	2	1	0	0	1	0	0
	EXP.		1.3	2.2	1.2	0.5	0.4	0.2	0.1	0.1
	OBS./EXP.		1.545	0.907	0.827	0.000	0.000	4.805	0.000	0.000
	RELATIVE RISK		1.000		0.721	0.000	0.000	4.185	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6534	0.8212	0.8178	0.2674	0.7746	0.7770	0.7468	0.4146	0.3001
									0.7112	0.4628
1975-78	OBS.	7	2	2	0	1	2	0	0	0
	EXP.		1.6	2.4	1.3	0.6	0.6	0.3	0.1	0.1
	OBS./EXP.		1.249	0.849	0.000	1.627	3.633	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	1.610	3.594	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8774	0.3194	0.5273	0.7931	0.7755	0.7753	0.7578	0.3696	0.8161
									0.5238	0.4344

TABLE 27-1 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

TABLE 27-1

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	2439	938	659	476	141	101	88	19	37
	EXP.		977.8	681.9	466.7	136.0	94.4	39.3	18.1	24.9
	OBS./EXP. RELATIVE RISK		0.959 1.000	0.966	1.020 1.060	1.037 1.078	1.070 1.112	1.730 1.798	1.050 1.091	1.487 1.546
	TEST PROB.	AB=CF 0.2295	AB=DF 0.2751	AB=EF 0.2633	AB=FF 0.0004	AB=GF 0.4200	AB=HF 0.0359	AB=CD 0.1869	AB=E-H 0.0024	AB=FGH 0.0003
									HOMO. 0.0001	TREND. 0.0000
1950-54	OBS. TOTAL	260	101	71	58	12	6	6	2	4
	EXP.		105.4	72.8	50.9	14.1	9.1	3.5	1.7	2.5
	OBS./EXP. RELATIVE RISK		0.958 1.000	0.975	1.140 1.181	0.850 0.881	0.661 0.685	1.493 1.754	1.192 1.235	1.625 1.684
	TEST PROB.	AB=CF 0.2364	AB=DF 0.6507	AB=EF 0.7869	AB=FF 0.2596	AB=GF 0.3981	AB=HF 0.3483	AB=CD 0.3098	AB=E-H 0.4553	AB=FGH 0.1837
									HOMO. 0.6190	TREND. 0.1473
1955-58	OBS. TOTAL	279	127	80	43	11	8	7	1	2
	EXP.		110.4	79.2	55.1	15.6	10.1	4.1	1.8	2.6
	OBS./EXP. RELATIVE RISK		1.150 1.000	1.010	0.780 0.715	0.705 0.646	0.791 0.725	1.705 1.562	0.545 0.500	0.779 0.714
	TEST PROB.	AB=CF 0.9342	AB=DF 0.8591	AB=EF 0.7616	AB=FF 0.2494	AB=GF 0.7633	AB=HF 0.6932	AB=CD 0.9581	AB=E-H 0.6589	AB=FGH 0.4579
									HOMO. 0.2082	TREND. 0.7309
1959-62	OBS. TOTAL	313	106	101	61	15	15	4	4	7
	EXP.		128.1	86.1	60.1	17.8	11.4	4.5	2.1	3.0
	OBS./EXP. RELATIVE RISK		0.828 1.000	1.173	1.016 1.051	0.841 0.870	1.319 1.365	0.891 0.921	1.880 1.944	2.360 2.441
	TEST PROB.	AB=CF 0.4293	AB=DF 0.6623	AB=EF 0.2493	AB=FF 0.5883	AB=GF 0.2688	AB=HF 0.0732	AB=CD 0.4413	AB=E-H 0.0955	AB=FGH 0.1238
									HOMO. 0.0285	TREND. 0.0059
1963-66	OBS. TOTAL	357	137	97	73	25	7	12	0	6
	EXP.		144.2	99.0	68.8	19.9	13.4	5.7	2.5	3.5
	OBS./EXP. RELATIVE RISK		0.950 1.000	0.980	1.060 1.102	1.258 1.307	0.524 0.545	2.122 2.205	0.000 0.000	1.693 1.760
	TEST PROB.	AB=CF 0.3196	AB=DF 0.2239	AB=EF 0.8971	AB=FF 0.0456	AB=GF 0.9080	AB=HF 0.2292	AB=CD 0.2234	AB=E-H 0.4712	AB=FGH 0.1182
									HOMO. 0.0212	TREND. 0.1279
1967-70	OBS. TOTAL	372	137	94	76	28	16	14	2	5
	EXP.		148.1	103.3	70.8	21.1	15.2	6.6	2.9	4.0
	OBS./EXP. RELATIVE RISK		0.925 1.000	0.910	1.073 1.168	1.327 1.444	1.055 1.148	2.112 2.298	0.691 0.752	1.250 1.360
	TEST PROB.	AB=CF 0.2210	AB=DF 0.1048	AB=EF 0.3739	AB=FF 0.0184	AB=GF 0.6575	AB=HF 0.3938	AB=CD 0.1158	AB=E-H 0.0829	AB=FGH 0.0528
									HOMO. 0.0642	TREND. 0.0270
1971-74	OBS. TOTAL	415	154	112	78	24	25	12	3	7
	EXP.		164.5	116.7	78.7	23.2	17.0	7.3	3.3	4.4
	OBS./EXP. RELATIVE RISK		0.936 1.000	0.960	0.991 1.048	1.033 1.092	1.473 1.557	1.648 1.742	0.915 0.967	1.599 1.690
	TEST PROB.	AB=CF 0.4228	AB=DF 0.4288	AB=EF 0.0814	AB=FF 0.1192	AB=GF 0.5396	AB=HF 0.2146	AB=CD 0.3887	AB=E-H 0.0257	AB=FGH 0.0896
									HOMO. 0.2083	TREND. 0.0071
1975-78	OBS. TOTAL	443	176	104	87	26	24	13	7	8
	EXP.		178.0	124.1	82.9	24.3	18.2	7.5	3.5	4.4
	OBS./EXP. RELATIVE RISK		0.989 1.000	0.838	1.049 1.132	1.069 1.153	1.320 1.426	1.723 1.859	1.972 2.129	1.359 1.467
	TEST PROB.	AB=CF 0.2581	AB=DF 0.3162	AB=EF 0.1369	AB=FF 0.0568	AB=GF 0.1001	AB=HF 0.3127	AB=CD 0.2226	AB=E-H 0.0136	AB=FGH 0.0145
									HOMO. 0.0585	TREND. 0.0021

TABLE 27-2 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

TABLE 27-2

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS. TOTAL	25	5	6	3	1	3	6	0	1
	EXP.	10.1	7.4	5.0	1.2	0.6	0.3	0.1	0.2	
	OBS./EXP. RELATIVE RISK	0.495	0.808	0.598	0.860	4.687	16.706	0.000	5.087	
		1.000	0.952	1.370	7.466	29.800	0.000	8.103		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.5616	0.3510	0.0223	0.0000	0.7699	0.2522	0.4419	0.0000	0.0000
1950-54	OBS. TOTAL	1	0	0	1	0	0	0	0	0
	EXP.	0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK	0.000	0.000	3.922	0.000	0.000	0.000	0.000	0.000	0.000
		X	X	X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2398	X	X	X	X	X	X	X	X
1955-58	OBS. TOTAL	0	0	0	0	0	0	0	0	0
	EXP.									
	OBS./EXP. RELATIVE RISK									
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	X	X	X	X	X	X
1959-62	OBS. TOTAL	2	0	0	0	0	0	2	0	0
	EXP.	0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK	0.000	0.000	0.000	0.000	0.000	115.239	0.000	0.000	0.000
		X	X	X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	0.0000	X	X	0.0009	0.0000	0.0000
1963-66	OBS. TOTAL	2	0	0	0	0	0	1	0	1
	EXP.	0.7	0.7	0.4	0.1	0.1	0.1	0.0	0.0	0.0
	OBS./EXP. RELATIVE RISK	0.000	0.000	0.000	0.000	0.000	28.120	0.000	46.291	X
		X	X	X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	X	X	X	0.2398	X	0.2398	X	0.0194	0.0019
1967-70	OBS. TOTAL	4	1	1	0	0	2	0	0	0
	EXP.	1.3	1.3	0.9	0.2	0.1	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK	0.758	0.754	0.000	0.000	15.442	0.000	0.000	0.000	0.000
		1.000	0.000	0.000	0.000	20.421	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8437	0.7356	0.0232	0.7701	0.7644	0.7666	0.8573	0.1129	0.7797
1971-74	OBS. TOTAL	9	3	3	0	0	1	2	0	0
	EXP.	3.7	2.7	1.8	0.4	0.2	0.2	0.1	0.0	0.1
	OBS./EXP. RELATIVE RISK	0.814	1.129	0.000	0.000	4.425	14.351	0.000	0.000	0.000
		1.000	0.000	0.000	0.000	4.677	19.396	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8879	0.8036	0.2628	0.0096	0.7656	0.7685	0.9041	0.0425	0.0717
1975-78	OBS. TOTAL	7	1	2	2	1	0	1	0	0
	EXP.	3.3	1.9	1.3	0.3	0.1	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK	0.303	1.074	1.545	3.467	0.000	14.835	0.000	0.000	0.000
		1.000	2.637	5.942	0.000	28.945	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4805	0.2595	0.7709	0.2634	0.7624	0.7631	0.2535	0.2563	0.2473

TABLE 27-3 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

TABLE 27-3

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	135	44 49.0	44 42.2	18 21.7	4 7.3	7 7.8	8 3.6	8 1.5	2 1.9
	OBS./EXP. RELATIVE RISK		0.898 1.000	1.043	0.830 0.860	0.551 0.571	0.897 0.929	2.192 2.271	5.411 5.606	1.030 1.067
	TEST PROB.	AB=CD? 0.6992	AB=0? 0.8450	AB=E? 0.6576	AB=F? 0.1125	AB=G? 0.0004	AB=H? 0.4552	AB=CD? 0.7979	AB=E-H? 0.0530	AB=FGH? 0.0055
									MONO. 0.0000	TREND. 0.0011
1950-54	OBS. EXP.	3	1 1.1	1 0.9	0 0.5	0 0.2	0 0.2	0 0.1	1 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.884 1.000	1.146	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	28.517 28.573	0.000 0.000
	TEST PROB.	AB=CD? 0.8282	AB=0? 0.7901	AB=E? 0.7937	AB=F? 0.7762	AB=G? 0.2436	AB=H? 0.7697	AB=CD? 0.8665	AB=E-H? 0.2766	AB=FGH? 0.2553
									MONO. 0.0003	TREND. 0.0588
1955-58	OBS. EXP.	6	2 1.5	0 2.0	2 1.0	0 0.4	1 0.6	1 0.3	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.306 1.000	0.000	2.021 3.592	0.000 0.000	1.810 3.217	3.662 6.509	0.000 0.000	0.000 0.000
	TEST PROB.	AB=CD? 0.3701	AB=0? 0.7923	AB=E? 0.2694	AB=F? 0.2544	AB=G? 0.7672	AB=H? 0.7671	AB=CD? 0.3934	AB=E-H? 0.3519	AB=FGH? 0.2662
									MONO. 0.5229	TREND. 0.3736
1959-62	OBS. EXP.	9	4 3.4	4 2.7	1 1.5	0 0.5	0 0.5	0 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.183 1.000	1.507	0.656 0.495	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=CD? 0.7644	AB=0? 0.8293	AB=E? 0.5336	AB=F? 0.7993	AB=G? 0.7771	AB=H? 0.7817	AB=CD? 0.8229	AB=E-H? 0.8743	AB=FGH? 0.8268
									MONO. 0.9298	TREND. 0.8623
1963-66	OBS. EXP.	13	5 4.7	3 3.9	3 2.2	1 0.7	1 0.8	0 0.3	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		1.060 1.000	0.762	1.360 1.493	1.371 1.483	1.314 1.421	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=CD? 0.4142	AB=0? 0.3714	AB=E? 0.3723	AB=F? 0.8068	AB=G? 0.7779	AB=H? 0.7834	AB=CD? 0.4563	AB=E-H? 0.6896	AB=FGH? 0.8346
									MONO. 0.9847	TREND. 0.7085
1967-70	OBS. EXP.	20	6 6.7	9 6.4	0 3.2	0 1.2	1 1.3	3 0.6	1 0.2	0 0.3
	OBS./EXP. RELATIVE RISK		0.901 1.000	1.402	0.000 0.000	0.000 0.000	0.752 0.656	4.768 4.157	4.240 3.715	0.000 0.000
	TEST PROB.	AB=CD? 0.9432	AB=0? 0.8682	AB=E? 0.7112	AB=F? 0.1114	AB=G? 0.2727	AB=H? 0.7985	AB=CD? 0.9641	AB=E-H? 0.3097	AB=FGH? 0.1360
									MONO. 0.0146	TREND. 0.1155
1971-74	OBS. EXP.	33	7 12.1	14 10.2	4 5.3	1 1.8	2 1.9	2 0.9	3 0.4	0 0.5
	OBS./EXP. RELATIVE RISK		0.578 1.000	1.368	0.754 0.802	0.567 0.603	1.063 1.131	2.277 2.423	8.279 8.810	0.000 0.000
	TEST PROB.	AB=CD? 0.6799	AB=0? 0.7622	AB=E? 0.5621	AB=F? 0.4098	AB=G? 0.0130	AB=H? 0.8075	AB=CD? 0.7109	AB=E-H? 0.1793	AB=FGH? 0.1085
									MONO. 0.0006	TREND. 0.0263
1975-78	OBS. EXP.	51	19 19.5	13 16.0	8 8.0	2 2.5	2 2.6	2 1.2	3 0.5	2 0.7
	OBS./EXP. RELATIVE RISK		0.974 1.000	0.812	1.003 1.113	0.802 0.890	0.765 0.849	1.641 1.820	5.944 6.596	2.927 3.248
	TEST PROB.	AB=CD? 0.4449	AB=0? 0.6077	AB=E? 0.6546	AB=F? 0.4191	AB=G? 0.0252	AB=H? 0.2623	AB=CD? 0.4488	AB=E-H? 0.1166	AB=FGH? 0.0252
									MONO. 0.0231	TREND. 0.0027

TABLE 27-4 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

TABLE 27-4

YEAR CLASS	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	363	126	94	71	26	22	14	2	8
	EXP.		142.1	103.0	65.2	21.0	15.7	7.6	3.8	4.7
	OBS./EXP. RELATIVE RISK		0.886 1.000	0.913	1.090 1.214	1.240 1.382	1.404 1.564	1.841 2.051	0.529 0.589	1.697 1.890
	TEST PROB.	AB=C? 0.1651	AB=D? 0.1338	AB=E? 0.0959	AB=F? 0.0349	AB=G? 0.7548	AB=H? 0.1332	AB=I? 0.0955	AB=E-H? 0.0215	AB=FGH? 0.0486
									HOHO, 0.0258	TREND, 0.0033
1950-54	OBS. EXP.	22	11 9.4	5 6.0	6 4.0	0 1.2	0 0.8	0 0.3	0 0.2	0 0.3
	OBS./EXP. RELATIVE RISK		1.176 1.000	0.839	1.513 1.448	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.3795	AB=D? 0.8620	AB=E? 0.8399	AB=F? 0.8048	AB=G? 0.7839	AB=H? 0.7906	AB=I? 0.4314	AB=E-H? 0.8881	AB=FGH? 0.8417
									HOHO, 0.7456	TREND, 0.8964
1955-58	OBS. EXP.	21	7 7.4	11 6.4	1 4.1	0 1.3	0 0.9	0 0.4	0 0.2	2 0.3
	OBS./EXP. RELATIVE RISK		0.950 1.000	1.727	0.246 0.188	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	4.555 5.004
	TEST PROB.	AB=C? 0.9304	AB=D? 0.8840	AB=E? 0.8642	AB=F? 0.8192	AB=G? 0.7935	AB=H? 0.1674	AB=I? 0.9595	AB=E-H? 0.6674	AB=FGH? 0.3796
									HOHO, 0.0119	TREND, 0.1426
1959-62	OBS. EXP.	27	10 11.6	6 7.2	5 4.9	2 1.5	1 0.9	0 0.4	0 0.2	3 0.3
	OBS./EXP. RELATIVE RISK		0.861 1.000	0.832	1.019 1.199	1.362 1.603	1.118 1.316	0.000 0.000	0.000 0.000	9.862 11.604
	TEST PROB.	AB=C? 0.4309	AB=D? 0.3817	AB=E? 0.3902	AB=F? 0.7989	AB=G? 0.7816	AB=H? 0.0028	AB=I? 0.4263	AB=E-H? 0.1865	AB=FGH? 0.1102
									HOHO, 0.0007	TREND, 0.0006
1963-66	OBS. EXP.	49	14 19.2	18 14.2	11 8.9	3 2.7	0 2.0	2 0.9	0 0.5	1 0.6
	OBS./EXP. RELATIVE RISK		0.728 1.000	1.272	1.238 1.291	1.112 1.160	0.000 0.000	2.117 2.208	0.000 0.000	1.587 1.655
	TEST PROB.	AB=C? 0.3645	AB=D? 0.4332	AB=E? 0.9015	AB=F? 0.4253	AB=G? 0.8123	AB=H? 0.3398	AB=I? 0.3628	AB=E-H? 0.7084	AB=FGH? 0.4196
									HOHO, 0.4359	TREND, 0.4288
1967-70	OBS. EXP.	65	23 24.8	11 18.6	16 11.6	8 3.8	4 3.0	2 1.5	0 0.7	1 0.9
	OBS./EXP. RELATIVE RISK		0.927 1.000	0.591	1.383 1.765	2.082 2.657	1.318 1.680	1.309 1.671	0.000 0.000	1.133 1.447
	TEST PROB.	AB=C? 0.1094	AB=D? 0.0604	AB=E? 0.3030	AB=F? 0.3832	AB=G? 0.8136	AB=H? 0.3453	AB=I? 0.0383	AB=E-H? 0.3295	AB=FGH? 0.4117
									HOHO, 0.1515	TREND, 0.2389
1971-74	OBS. EXP.	80	22 31.5	23 22.5	15 14.3	5 4.6	9 3.5	5 1.6	0 0.8	1 1.0
	OBS./EXP. RELATIVE RISK		0.698 1.000	1.020	1.048 1.260	1.076 1.293	2.605 3.130	3.031 3.643	0.000 0.000	0.979 1.177
	TEST PROB.	AB=C? 0.3336	AB=D? 0.4195	AB=E? 0.0202	AB=F? 0.0337	AB=G? 0.8196	AB=H? 0.3830	AB=I? 0.2894	AB=E-H? 0.0163	AB=FGH? 0.1461
									HOHO, 0.0049	TREND, 0.0240
1975-78	OBS. EXP.	99	39 38.3	20 28.2	17 17.5	8 5.9	8 4.5	5 2.2	2 1.1	0 1.3
	OBS./EXP. RELATIVE RISK		1.019 1.000	0.708	0.974 1.098	1.363 1.539	1.767 1.991	2.250 2.535	1.766 1.990	0.000 0.000
	TEST PROB.	AB=C? 0.4437	AB=D? 0.2093	AB=E? 0.1020	AB=F? 0.0638	AB=G? 0.4164	AB=H? 0.8457	AB=I? 0.3070	AB=E-H? 0.0606	AB=FGH? 0.1660
									HOHO, 0.1154	TREND, 0.1423

TABLE 27-5 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

TABLE 27-5

YEAR	CLASS	T-65 TOTAL DOSE (IN RAD)								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	1070	401	293	229	58	39	24	5	21
	EXP.		424.9	294.1	209.7	59.8	44.1	17.3	8.1	11.9
	OBS./EXP. RELATIVE RISK		0.944 1.000	0.996	1.092 1.132	0.971 1.006	0.884 0.916	1.333 1.433	0.614 0.636	1.763 1.827
	TEST PROB.	AB=C? 0.1337	AB=D? 0.4914	AB=E? 0.6506	AB=F? 0.1111	AB=G? 0.7922	AB=H? 0.0322	AB=I? 0.1639	AB=J? 0.2183	AB=K? 0.0581
										AB=L? 0.0408
										AB=M? 0.0200
1950-54	OBS. TOTAL	90	28	28	21	5	3	3	0	2
	EXP.		35.2	24.6	18.0	4.9	3.4	1.4	0.7	0.9
	OBS./EXP. RELATIVE RISK		0.774 1.000	1.140	1.168 1.267	1.029 1.116	0.878 0.952	2.205 2.393	0.000 0.000	2.122 2.302
	TEST PROB.	AB=C? 0.2967	AB=D? 0.4310	AB=E? 0.5698	AB=F? 0.2632	AB=G? 0.8175	AB=H? 0.4266	AB=I? 0.2957	AB=J? 0.3670	AB=K? 0.2787
										AB=L? 0.4392
										AB=M? 0.1274
1955-58	OBS. TOTAL	99	49	24	18	1	2	4	1	0
	EXP.		40.4	26.8	19.7	5.3	3.7	1.4	0.7	1.0
	OBS./EXP. RELATIVE RISK		1.212 1.000	0.896	0.914 0.841	0.189 0.174	0.543 0.502	2.790 2.568	1.439 1.324	0.000 0.000
	TEST PROB.	AB=C? 0.7079	AB=D? 0.9376	AB=E? 0.8052	AB=F? 0.1426	AB=G? 0.3669	AB=H? 0.8472	AB=I? 0.2559	AB=J? 0.5829	AB=K? 0.3593
										AB=L? 0.0905
										AB=M? 0.7081
1959-62	OBS. TOTAL	120	37	36	29	5	7	1	2	3
	EXP.		46.9	33.3	23.3	6.9	5.2	2.0	1.0	1.4
	OBS./EXP. RELATIVE RISK		0.789 1.000	1.080	1.246 1.369	0.723 0.795	1.353 1.487	0.491 0.539	2.068 2.273	2.101 2.308
	TEST PROB.	AB=C? 0.1750	AB=D? 0.6543	AB=E? 0.2575	AB=F? 0.7311	AB=G? 0.3744	AB=H? 0.2562	AB=I? 0.2505	AB=J? 0.2168	AB=K? 0.3235
										AB=L? 0.2935
										AB=M? 0.0685
1963-66	OBS. TOTAL	136	55	39	24	11	0	5	0	2
	EXP.		53.2	37.8	26.6	7.7	5.8	2.3	1.0	1.6
	OBS./EXP. RELATIVE RISK		1.033 1.000	1.032	0.901 0.873	1.432 1.386	0.000 0.000	2.181 2.112	0.000 0.000	1.255 1.215
	TEST PROB.	AB=C? 0.6863	AB=D? 0.2765	AB=E? 0.9682	AB=F? 0.1776	AB=G? 0.8445	AB=H? 0.3915	AB=I? 0.5305	AB=J? 0.8240	AB=K? 0.3487
										AB=L? 0.1036
										AB=M? 0.5625
1967-70	OBS. TOTAL	185	66	50	42	12	6	4	1	4
	EXP.		73.0	50.7	36.2	10.5	7.9	3.2	1.4	2.1
	OBS./EXP. RELATIVE RISK		0.904 1.000	0.986	1.180 1.237	1.144 1.220	0.760 0.811	1.268 1.352	0.706 0.753	1.871 1.996
	TEST PROB.	AB=C? 0.2260	AB=D? 0.3700	AB=E? 0.6552	AB=F? 0.3976	AB=G? 0.6347	AB=H? 0.2215	AB=I? 0.2064	AB=J? 0.3911	AB=K? 0.2271
										AB=L? 0.7441
										AB=M? 0.1541
1971-74	OBS. TOTAL	209	77	55	48	12	9	2	0	6
	EXP.		82.0	58.0	40.8	11.7	9.0	3.6	1.6	2.3
	OBS./EXP. RELATIVE RISK		0.939 1.000	0.948	1.178 1.249	1.027 1.089	0.995 1.056	0.557 0.591	0.000 0.000	2.617 2.776
	TEST PROB.	AB=C? 0.1924	AB=D? 0.4545	AB=E? 0.4511	AB=F? 0.7642	AB=G? 0.8720	AB=H? 0.0688	AB=I? 0.2080	AB=J? 0.4612	AB=K? 0.4539
										AB=L? 0.1836
										AB=M? 0.1340
1975-78	OBS. TOTAL	231	89	61	47	12	12	5	1	4
	EXP.		94.0	62.9	45.0	12.6	9.4	3.4	1.5	2.1
	OBS./EXP. RELATIVE RISK		0.947 1.000	0.969	1.043 1.092	0.954 0.998	1.250 1.339	1.454 1.520	0.652 0.682	1.883 1.969
	TEST PROB.	AB=C? 0.3880	AB=D? 0.4824	AB=E? 0.2968	AB=F? 0.3301	AB=G? 0.6862	AB=H? 0.2604	AB=I? 0.4944	AB=J? 0.1729	AB=K? 0.2381
										AB=L? 0.8061
										AB=M? 0.0672

TABLE 27-6 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

TABLE 27-6

YEAR CLASS	OBS. TOTAL	T=65 TOTAL DOSE IN RAD							
		0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	846	362	222	155	52	30	16	4
	EXP.	351.7	235.1	165.2	46.8	26.1	10.4	4.5	5
	OBS./EXP. RELATIVE RISK	1.029	0.966	0.938	1.110	1.149	1.541	0.880	0.818
		1.000		0.943	1.116	1.134	1.548	0.884	0.822
	TEST PROB.	AB=C? 0.6952	AB=D? 0.3147	AB=E? 0.3189	AB=F? 0.1336	AB=G? 0.6180	AB=H? 0.6733	AB=I? 0.5838	AB=J? 0.2220
								AB=K? 0.3015	AB=L? 0.5213
									AB=M? 0.2371
1950-54	OBS. TOTAL	144	61	37	30	7	3	3	1
	EXP.	58.5	41.0	25.2	7.8	4.7	1.7	0.8	2
	OBS./EXP. RELATIVE RISK	1.042	0.901	1.065	0.893	0.640	1.715	1.270	1.665
		1.000		1.082	0.907	0.650	1.742	1.290	1.691
	TEST PROB.	AB=C? 0.4259	AB=D? 0.6105	AB=E? 0.7550	AB=F? 0.3955	AB=G? 0.3741	AB=H? 0.3934	AB=I? 0.4746	AB=J? 0.4492
								AB=K? 0.2870	AB=L? 0.9012
									AB=M? 0.2563
1955-58	OBS. TOTAL	153	69	45	22	10	5	2	0
	EXP.	61.1	44.0	30.4	8.6	5.0	2.0	0.8	0
	OBS./EXP. RELATIVE RISK	1.129	1.022	0.724	1.167	1.010	1.017	0.000	0.000
		1.000		0.668	1.077	0.931	0.938	0.000	0.000
	TEST PROB.	AB=C? 0.9102	AB=D? 0.4556	AB=E? 0.5771	AB=F? 0.5638	AB=G? 0.8361	AB=H? 0.3566	AB=I? 0.8593	AB=J? 0.7439
								AB=K? 0.8205	AB=L? 0.5774
									AB=M? 0.8952
1959-62	OBS. TOTAL	155	55	55	26	8	7	1	2
	EXP.	65.3	42.4	30.0	8.9	4.8	1.8	0.8	1
	OBS./EXP. RELATIVE RISK	0.843	1.299	0.868	0.900	1.666	0.547	2.386	0.910
		1.000		0.849	0.881	1.635	0.535	2.334	0.890
	TEST PROB.	AB=C? 0.7302	AB=D? 0.6369	AB=E? 0.3324	AB=F? 0.7516	AB=G? 0.3857	AB=H? 0.6119	AB=I? 0.7372	AB=J? 0.3701
								AB=K? 0.4632	AB=L? 0.2374
									AB=M? 0.3120
1963-66	OBS. TOTAL	157	63	37	35	10	6	4	0
	EXP.	66.4	42.4	30.7	8.7	4.8	2.0	0.9	2
	OBS./EXP. RELATIVE RISK	0.949	0.872	1.140	1.155	1.254	1.965	0.000	1.803
		1.000		1.240	1.257	1.365	2.138	0.000	1.962
	TEST PROB.	AB=C? 0.2431	AB=D? 0.3683	AB=E? 0.3678	AB=F? 0.2112	AB=G? 0.8285	AB=H? 0.4594	AB=I? 0.2162	AB=J? 0.2005
								AB=K? 0.2588	AB=L? 0.5967
									AB=M? 0.1009
1967-70	OBS. TOTAL	98	41	23	18	8	3	5	0
	EXP.	42.3	26.2	18.9	5.4	2.8	1.2	0.5	0
	OBS./EXP. RELATIVE RISK	0.969	0.876	0.950	1.488	1.079	4.012	0.000	0.000
		1.000		1.018	1.593	1.156	4.297	0.000	0.000
	TEST PROB.	AB=C? 0.4672	AB=D? 0.2448	AB=E? 0.4208	AB=F? 0.0233	AB=G? 0.8042	AB=H? 0.8177	AB=I? 0.3741	AB=J? 0.2291
								AB=K? 0.1678	AB=L? 0.0461
									AB=M? 0.1339
1971-74	OBS. TOTAL	84	45	17	11	6	4	1	0
	EXP.	35.1	23.2	14.5	4.7	2.4	1.1	0.5	0
	OBS./EXP. RELATIVE RISK	1.281	0.732	0.666	1.270	1.689	0.947	0.000	0.000
		1.000		0.627	1.195	1.590	0.891	0.000	0.000
	TEST PROB.	AB=C? 0.8444	AB=D? 0.4898	AB=E? 0.3345	AB=F? 0.5247	AB=G? 0.8045	AB=H? 0.8105	AB=I? 0.7928	AB=J? 0.4306
								AB=K? 0.7593	AB=L? 0.2556
									AB=M? 0.6876
1975-78	OBS. TOTAL	55	28	8	13	3	2	0	1
	EXP.	22.9	15.1	11.2	3.1	1.5	0.6	0.4	0
	OBS./EXP. RELATIVE RISK	1.221	0.531	1.165	0.967	1.318	0.000	2.839	0.000
		1.000		1.230	1.021	1.391	0.000	2.997	0.000
	TEST PROB.	AB=C? 0.3834	AB=D? 0.4743	AB=E? 0.3827	AB=F? 0.8239	AB=G? 0.2894	AB=H? 0.7879	AB=I? 0.3992	AB=J? 0.4138
								AB=K? 0.6336	AB=L? 0.4174
									AB=M? 0.5195

TABLE 27-7 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, MALE, ALL AGES

TABLE 27-7

YEAR CLASS		T=65 TOTAL DOSE IN RAD									
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H	
1950-78 TOTAL	OBS. EXP.	1135 450.3	456 450.3	293 319.9	199 204.8	71 64.7	53 51.5	33 20.5	12 9.3	18 14.0	
	OBS./EXP. RELATIVE RISK		1.013 1.000	0.916 0.999	0.972 0.999	1.098 1.129	1.029 1.058	1.606 1.651	1.289 1.325	1.232 1.318	
	TEST PROB.	AB=C? 0.4901	AB=D? 0.2309	AB=E? 0.3781	AB=F? 0.0182	AB=G? 0.2523	AB=H? 0.2162	AB=I? 0.3810	AB=E+H? 0.0516	AB=FGH? HOMO, 0.0141 0.0778	TREND, 0.0050
1950-54	OBS. EXP.	120 47.7	53 47.7	36 34.2	21 22.6	4 6.5	2 4.9	2 1.8	1 0.8	1 1.4	
	OBS./EXP. RELATIVE RISK		1.111 1.000	1.052 0.856	0.930 0.856	0.615 0.566	0.406 0.374	1.107 1.020	1.200 1.105	0.712 0.656	
	TEST PROB.	AB=C? 0.6927	AB=D? 0.9210	AB=E? 0.8745	AB=F? 0.4807	AB=G? 0.4076	AB=H? 0.6950	AB=I? 0.7849	AB=E+H? 0.8317	AB=FGH? HOMO, 0.6171 0.8104	TREND, 0.8003
1955-58	OBS. EXP.	116 46.9	55 46.9	28 32.5	18 21.7	7 6.4	4 4.7	3 1.7	1 0.8	0 1.3	
	OBS./EXP. RELATIVE RISK		1.173 1.000	0.861 0.830	0.830 0.794	1.091 1.044	0.843 0.811	1.721 1.646	1.320 1.262	0.000 0.000	
	TEST PROB.	AB=C? 0.7656	AB=D? 0.4439	AB=E? 0.6556	AB=F? 0.3773	AB=G? 0.3723	AB=H? 0.8599	AB=I? 0.7181	AB=E+H? 0.6065	AB=FGH? HOMO, 0.4449 0.6413	TREND, 0.6946
1959-62	OBS. EXP.	154 61.5	53 61.5	51 43.0	28 28.0	2 9.2	11 6.8	3 2.5	2 1.2	4 1.8	
	OBS./EXP. RELATIVE RISK		0.862 1.000	1.186 0.998	0.998 1.003	0.218 0.219	1.623 1.631	1.198 1.204	1.725 1.734	2.201 2.212	
	TEST PROB.	AB=C? 0.4746	AB=D? 0.9603	AB=E? 0.1552	AB=F? 0.4119	AB=G? 0.4273	AB=H? 0.1886	AB=I? 0.7791	AB=E+H? 0.0765	AB=FGH? HOMO, 0.1669 0.0639	TREND, 0.0327
1963-66	OBS. EXP.	170 67.7	76 67.7	39 47.5	27 31.1	16 9.9	2 7.5	7 3.0	0 1.3	3 2.0	
	OBS./EXP. RELATIVE RISK		1.122 1.000	0.822 0.867	0.867 0.869	1.620 1.623	0.268 0.268	2.353 2.357	0.000 0.000	1.473 1.476	
	TEST PROB.	AB=C? 0.6964	AB=D? 0.1239	AB=E? 0.9365	AB=F? 0.0867	AB=G? 0.8590	AB=H? 0.4698	AB=I? 0.4509	AB=E+H? 0.6506	AB=FGH? HOMO, 0.2000 0.0112	TREND, 0.2657
1967-70	OBS. EXP.	172 66.8	66 66.8	46 48.2	26 30.9	16 10.3	8 8.5	7 3.6	1 1.5	2 2.3	
	OBS./EXP. RELATIVE RISK		0.988 1.000	0.955 0.841	0.841 0.863	1.555 1.596	0.946 0.971	1.942 1.993	0.661 0.679	0.877 0.900	
	TEST PROB.	AB=C? 0.7039	AB=D? 0.1225	AB=E? 0.4656	AB=F? 0.1306	AB=G? 0.6681	AB=H? 0.5781	AB=I? 0.4671	AB=E+H? 0.3328	AB=FGH? HOMO, 0.2652 0.3689	TREND, 0.2371
1971-74	OBS. EXP.	195 77.0	71 77.0	47 54.4	39 35.0	16 11.2	10 9.3	6 3.8	2 1.7	4 2.4	
	OBS./EXP. RELATIVE RISK		0.922 1.000	0.864 0.864	1.113 1.240	1.426 1.588	1.076 1.198	1.558 1.736	1.153 1.284	1.633 1.819	
	TEST PROB.	AB=C? 0.2246	AB=D? 0.1176	AB=E? 0.4180	AB=F? 0.2229	AB=G? 0.3846	AB=H? 0.2838	AB=I? 0.1175	AB=E+H? 0.1804	AB=FGH? HOMO, 0.1332 0.4910	TREND, 0.0342
1975-78	OBS. EXP.	208 82.6	82 82.6	46 59.3	40 36.2	10 11.6	16 9.9	5 4.0	5 1.9	4 2.6	
	OBS./EXP. RELATIVE RISK		0.993 1.000	0.775 0.775	1.104 1.224	0.861 0.955	1.616 1.792	1.241 1.376	2.610 2.895	1.689 1.873	
	TEST PROB.	AB=C? 0.2335	AB=D? 0.5143	AB=E? 0.0732	AB=F? 0.3658	AB=G? 0.0687	AB=H? 0.2674	AB=I? 0.2742	AB=E+H? 0.0206	AB=FGH? HOMO, 0.0637 0.0521	TREND, 0.0043

TABLE 27-2 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

TABLE 27-3

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	1304	482	368	277	70	48	35	7	19
	EXP.		527.4	362.0	261.9	71.3	42.8	18.8	5.8	10.5
	OBS./EXP. RELATIVE RISK		0.914 1.000	1.011	1.058 1.109	0.982 1.030	1.120 1.175	1.866 1.957	0.797 0.836	1.753 1.839
	TEST PROB.	AB=C? 0.1641	AB=D? 0.4734	AB=E? 0.2857	AB=F? 0.0045	AB=G? 0.6838	AB=H? 0.0440	AB=I? 0.1836	AB=J? 0.0099	AB=K? 0.0041
1950-54	OBS. TOTAL	140	48	35	37	8	4	4	1	3
	EXP.		57.7	38.6	28.3	7.6	4.1	1.7	0.8	1.1
	OBS./EXP. RELATIVE RISK		0.832 1.000	0.906	1.307 1.516	1.051 1.219	0.964 1.118	2.301 2.870	1.185 1.375	2.837 3.291
	TEST PROB.	AB=C? 0.0834	AB=D? 0.4315	AB=E? 0.4317	AB=F? 0.1609	AB=G? 0.3696	AB=H? 0.1550	AB=I? 0.0896	AB=J? 0.1234	AB=K? 0.0603
1955-58	OBS. TOTAL	163	72	52	25	4	4	4	0	2
	EXP.		63.5	46.7	33.4	9.2	5.4	2.4	1.1	1.3
	OBS./EXP. RELATIVE RISK		1.133 1.000	1.113	0.747 0.865	0.435 0.387	0.741 0.659	1.694 1.506	0.000 0.000	1.567 1.353
	TEST PROB.	AB=C? 0.9216	AB=D? 0.9315	AB=E? 0.7619	AB=F? 0.3957	AB=G? 0.8559	AB=H? 0.3853	AB=I? 0.9659	AB=J? 0.6517	AB=K? 0.4383
1959-62	OBS. TOTAL	159	53	50	33	13	4	1	2	3
	EXP.		66.5	43.1	32.0	8.7	4.6	2.0	1.0	1.5
	OBS./EXP. RELATIVE RISK		0.797 1.000	1.160	1.031 1.097	1.502 1.598	0.870 0.926	0.503 0.556	2.065 2.198	2.611 2.779
	TEST PROB.	AB=C? 0.4180	AB=D? 0.1598	AB=E? 0.6158	AB=F? 0.7614	AB=G? 0.4539	AB=H? 0.2130	AB=I? 0.2524	AB=J? 0.4357	AB=K? 0.3319
1963-66	OBS. TOTAL	187	61	58	46	9	5	5	0	3
	EXP.		76.5	51.5	37.7	10.0	5.9	2.7	1.3	1.5
	OBS./EXP. RELATIVE RISK		0.798 1.000	1.126	1.220 1.312	0.900 0.968	0.840 0.913	1.865 2.006	0.000 0.000	1.991 2.141
	TEST PROB.	AB=C? 0.1502	AB=D? 0.5768	AB=E? 0.6244	AB=F? 0.2238	AB=G? 0.3548	AB=H? 0.2996	AB=I? 0.1971	AB=J? 0.3655	AB=K? 0.2575
1967-70	OBS. TOTAL	200	71	48	50	12	8	7	1	3
	EXP.		81.3	55.1	39.9	10.8	6.7	3.0	1.4	1.7
	OBS./EXP. RELATIVE RISK		0.874 1.000	0.870	1.252 1.436	1.110 1.273	1.191 1.365	2.315 2.653	0.724 0.830	1.744 1.999
	TEST PROB.	AB=C? 0.0757	AB=D? 0.3210	AB=E? 0.3267	AB=F? 0.0509	AB=G? 0.6136	AB=H? 0.3022	AB=I? 0.0716	AB=J? 0.0710	AB=K? 0.0600
1971-74	OBS. TOTAL	220	83	65	39	8	15	6	1	3
	EXP.		87.5	62.3	45.6	12.0	7.7	3.4	1.5	1.9
	OBS./EXP. RELATIVE RISK		0.949 1.000	1.044	0.894 0.904	0.665 0.673	1.954 1.977	1.749 1.769	0.642 0.655	1.555 1.574
	TEST PROB.	AB=C? 0.6799	AB=D? 0.8259	AB=E? 0.0539	AB=F? 0.2499	AB=G? 0.7041	AB=H? 0.4663	AB=I? 0.7777	AB=J? 0.0404	AB=K? 0.2636
1975-78	OBS. TOTAL	235	94	58	47	16	8	8	2	2
	EXP.		95.4	64.8	46.7	12.7	8.3	3.5	1.6	2.0
	OBS./EXP. RELATIVE RISK		0.986 1.000	0.896	1.007 1.060	1.259 1.327	0.967 1.018	2.276 2.398	1.224 1.290	0.978 1.030
	TEST PROB.	AB=C? 0.4396	AB=D? 0.2591	AB=E? 0.4629	AB=F? 0.0488	AB=G? 0.3858	AB=H? 0.4388	AB=I? 0.3338	AB=J? 0.1735	AB=K? 0.0900

TABLE 27-9 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
HIROSHIMA, MALE + FEMALE, ALL AGES

TABLE 27-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	1922	835 869.3	476 494.7	365 358.2	99 95.2	65 58.4	46 20.9	11 10.2	25 15.0
	OBS./EXP. RELATIVE RISK		0.961 1.000	0.962 1.000	1.019 1.060	1.040 1.082	1.112 1.157	2.201 2.290	1.076 1.120	1.667 1.734
	TEST PROB.	AB=C? 0.2518	AB=D? 0.3145	AB=E? 0.2238	AB=F? 0.0000	AB=G? 0.4583	AB=H? 0.0310	AB=I? 0.2138	AB=E-H? 0.0010	AB=FGH? 0.0001
									HOMO. 0.0000	TREND. 0.0000
1950-54	OBS. TOTAL	211	87 95.6	55 54.2	46 39.4	10 10.6	6 6.3	3 2.2	1 1.1	3 1.6
	OBS./EXP. RELATIVE RISK		0.910 1.000	1.015 1.000	1.168 1.233	0.942 0.994	0.953 1.006	1.376 1.451	0.912 0.962	1.869 1.973
	TEST PROB.	AB=C? 0.2042	AB=D? 0.4951	AB=E? 0.5298	AB=F? 0.4421	AB=G? 0.5630	AB=H? 0.3276	AB=I? 0.2416	AB=E-H? 0.3622	AB=FGH? 0.2896
									HOMO. 0.8357	TREND. 0.1398
1955-58	OBS. TOTAL	218	116 98.8	53 55.6	29 41.1	9 11.1	4 6.4	6 2.3	0 1.1	1 1.6
	OBS./EXP. RELATIVE RISK		1.174 1.000	0.953 1.000	0.706 0.645	0.808 0.739	0.621 0.567	2.639 2.411	0.000 0.000	0.633 0.583
	TEST PROB.	AB=C? 0.9477	AB=D? 0.7664	AB=E? 0.8216	AB=F? 0.0957	AB=G? 0.8538	AB=H? 0.7254	AB=I? 0.9531	AB=E-H? 0.6411	AB=FGH? 0.3894
									HOMO. 0.0309	TREND. 0.7204
1959-62	OBS. TOTAL	238	99 116.7	76 66.0	50 48.2	13 13.4	10 7.8	3 2.7	2 1.3	5 1.9
	OBS./EXP. RELATIVE RISK		0.848 1.000	1.152 1.000	1.038 1.063	0.971 1.013	1.285 1.341	1.099 1.147	1.482 1.547	2.647 2.764
	TEST PROB.	AB=C? 0.3822	AB=D? 0.4725	AB=E? 0.3212	AB=F? 0.4150	AB=G? 0.3880	AB=H? 0.0895	AB=I? 0.3982	AB=E-H? 0.1258	AB=FGH? 0.1415
									HOMO. 0.1646	TREND. 0.0096
1963-66	OBS. TOTAL	285	120 129.3	74 72.7	58 53.4	16 14.2	6 8.6	6 3.2	0 1.5	5 2.1
	OBS./EXP. RELATIVE RISK		0.928 1.000	1.019 1.000	1.086 1.131	1.124 1.170	0.700 0.729	1.868 1.945	0.000 0.000	2.333 2.429
	TEST PROB.	AB=C? 0.3013	AB=D? 0.3846	AB=E? 0.7506	AB=F? 0.1759	AB=G? 0.8640	AB=H? 0.1258	AB=I? 0.2688	AB=E-H? 0.3934	AB=FGH? 0.1478
									HOMO. 0.1989	TREND. 0.0735
1967-70	OBS. TOTAL	283	121 128.5	67 72.1	54 53.0	18 13.9	11 8.6	8 3.2	1 1.4	3 2.2
	OBS./EXP. RELATIVE RISK		0.941 1.000	0.929 1.000	1.019 1.087	1.297 1.384	1.274 1.359	2.511 2.679	0.692 0.738	1.345 1.435
	TEST PROB.	AB=C? 0.3744	AB=D? 0.2025	AB=E? 0.2936	AB=F? 0.0367	AB=G? 0.6646	AB=H? 0.4364	AB=I? 0.2556	AB=E-H? 0.0853	AB=FGH? 0.0876
									HOMO. 0.1667	TREND. 0.0355
1971-74	OBS. TOTAL	316	139 142.7	70 81.7	62 59.0	15 15.3	15 9.6	8 3.5	3 1.7	6 2.5
	OBS./EXP. RELATIVE RISK		0.974 1.000	0.857 1.000	1.051 1.129	0.952 1.054	1.555 1.670	2.295 2.465	1.807 1.941	1.580 1.697
	TEST PROB.	AB=C? 0.3014	AB=D? 0.4635	AB=E? 0.0944	AB=F? 0.0501	AB=G? 0.3163	AB=H? 0.3041	AB=I? 0.3069	AB=E-H? 0.0115	AB=FGH? 0.0279
									HOMO. 0.0787	TREND. 0.0032
1975-78	OBS. TOTAL	351	153 157.5	81 92.5	66 65.2	18 16.7	13 10.9	12 3.7	6 1.9	6 2.7
	OBS./EXP. RELATIVE RISK		0.972 1.000	0.876 1.000	1.012 1.081	1.080 1.154	1.198 1.279	3.221 3.440	2.089 2.232	1.507 1.610
	TEST PROB.	AB=C? 0.3682	AB=D? 0.3783	AB=E? 0.3138	AB=F? 0.0017	AB=G? 0.1978	AB=H? 0.3497	AB=I? 0.3243	AB=E-H? 0.0116	AB=FGH? 0.0023
									HOMO. 0.0014	TREND. 0.0006

TABLE 27-10 ALL NEOPLASMS EXCEPT MALIGNANT NEOPLASMS OF STOMACH,
LUNG, BREAST, THYROID, AND LEUKEMIA
NAGASAKI, MALE + FEMALE, ALL AGES

TABLE 27-10

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9	10-49	50-99	100-199	200-299	300-399	400+
				B	C	D	E	F	G	H
1950-78	OBS.	517	101	183	111	42	36	22	8	12
TOTAL	EXP.		108.5	187.2	108.5	40.7	35.9	18.4	7.9	9.9
	OBS./EXP.		0.949	0.978	1.023	1.031	1.003	1.195	1.016	1.215
	RELATIVE RISK		1.000		1.057	1.066	1.037	1.235	1.051	1.256
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3912	0.3873	0.4780	0.2719	0.4485	0.3366	0.3574	0.2922	0.2281
				0.9774					0.9774	0.1539
1950-54	OBS.	49	14	16	12	2	0	3	1	1
	EXP.		9.8	16.6	11.5	3.5	2.8	1.4	0.6	0.9
	OBS./EXP.		1.435	0.859	1.041	0.571	0.000	2.291	1.723	1.167
	RELATIVE RISK		1.000		0.985	0.540	0.000	2.082	1.630	1.105
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5345	0.7812	0.9240	0.3181	0.3303	0.4267	0.6438	0.6589	0.3138
								0.3138	0.3340	0.4093
1955-58	OBS.	61	11	27	14	2	4	1	1	1
	EXP.		11.6	23.6	14.1	4.5	3.7	1.8	0.7	1.0
	OBS./EXP.		0.949	1.143	0.995	0.448	1.089	0.546	1.358	1.000
	RELATIVE RISK		1.000		0.923	0.415	1.010	0.506	1.259	0.927
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6123	0.8508	0.4459	0.7567	0.3796	0.5764	0.7391	0.6195	0.6775
									0.9350	0.9350
										0.6222
1959-62	OBS.	55	7	25	11	2	5	1	2	2
	EXP.		11.3	20.1	11.9	4.5	3.6	1.8	0.8	1.1
	OBS./EXP.		0.617	1.242	0.926	0.449	1.393	0.568	2.568	1.856
	RELATIVE RISK		1.000		0.911	0.442	1.370	0.558	2.525	1.824
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6195	0.8233	0.4019	0.7289	0.3252	0.4198	0.7368	0.3160	0.4085
									0.3430	0.3430
										0.1579
1963-66	OBS.	72	17	23	15	9	1	6	0	1
	EXP.		14.9	24.3	15.4	5.6	4.8	2.4	1.1	1.4
	OBS./EXP.		1.140	0.875	0.971	1.596	0.209	2.455	0.000	0.714
	RELATIVE RISK		1.000		1.001	1.645	0.216	2.529	0.000	0.736
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4807	0.2215	0.9183	0.1092	0.9495	0.6734	0.3661	0.6770	0.3467
									0.0965	0.0965
										0.4879
1967-70	OBS.	89	16	27	22	10	5	6	1	2
	EXP.		19.5	31.2	17.8	7.2	6.5	3.4	1.4	1.8
	OBS./EXP.		0.819	0.865	1.233	1.385	0.765	1.743	0.691	1.130
	RELATIVE RISK		1.000		1.456	1.635	0.903	2.057	0.815	1.334
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1865	0.2000	0.6123	0.1764	0.6182	0.3848	0.1239	0.3539	0.2291
									0.5751	0.5751
										0.2353
1971-74	OBS.	99	15	42	16	9	10	4	0	3
	EXP.		21.8	35.0	19.7	8.0	7.3	3.8	1.6	1.8
	OBS./EXP.		0.689	1.200	0.813	1.130	1.365	1.054	0.000	1.624
	RELATIVE RISK		1.000		0.809	1.125	1.359	1.049	0.000	1.617
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7306	0.4673	0.3216	0.4446	0.8734	0.4262	0.6473	0.4073	0.5584
									0.3590	0.3590
										0.2849
1975-78	OBS.	92	23	23	21	8	11	1	3	2
	EXP.		20.5	31.6	17.7	7.7	7.3	3.8	1.6	1.8
	OBS./EXP.		1.121	0.722	1.186	1.045	1.502	0.262	1.836	1.137
	RELATIVE RISK		1.000		1.344	1.184	1.702	0.297	2.079	1.298
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2547	0.4202	0.1616	0.5587	0.2223	0.3754	0.2494	0.2881	0.5659
									0.2956	0.2956
										0.2956

TABLE 26-1 ALL DISEASES EXCEPT NEOPLASMS

TABLE 26-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	17149	6963	4842	3279	918	601	243	126	177
TOTAL	EXP.		6863.7	4844.8	3322.1	954.8	626.6	259.0	116.7	159.4
	OBS./EXP.		1.014	0.999	0.987	0.959	0.959	0.938	1.080	1.111
	RELATIVE RISK		1.000	0.985	0.973	0.946	0.945	0.925	1.064	1.095
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8530	0.8472	0.7987	0.7893	0.2914	0.1742	0.9032	0.8692	0.1388
									0.2758	TREND.
										0.4173
1950-54	OBS.	2326	962	680	429	94	97	22	16	26
	EXP.		910.3	674.8	450.7	123.8	86.9	35.4	16.1	23.0
	OBS./EXP.		1.057	1.008	0.952	0.730	1.116	0.621	0.991	1.132
	RELATIVE RISK		1.000	0.953	0.901	0.690	1.056	0.588	0.937	1.071
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9349	0.9949	0.4393	0.9759	0.6273	0.4753	0.9887	0.7903	0.5240
									0.0041	TREND.
										0.8312
1955-58	OBS.	2470	985	709	502	123	75	34	17	25
	EXP.		979.7	706.0	479.9	138.7	89.5	37.0	16.3	22.7
	OBS./EXP.		1.005	1.004	1.046	0.887	0.838	0.919	1.030	1.100
	RELATIVE RISK		1.000	0.999	1.040	0.882	0.833	0.914	1.024	1.094
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3192	0.8617	0.8733	0.4821	0.4903	0.4496	0.4973	0.8694	0.4801
									0.5519	TREND.
										0.7070
1959-62	OBS.	2354	950	704	424	134	78	27	14	23
	EXP.		935.0	667.0	458.7	136.7	84.7	34.6	15.9	21.5
	OBS./EXP.		1.016	1.055	0.924	0.980	0.921	0.781	0.881	1.072
	RELATIVE RISK		1.000	1.039	0.910	0.965	0.906	0.769	0.867	1.055
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6964	0.5952	0.7479	0.8515	0.6559	0.4453	0.8748	0.8703	0.4859
									0.3508	TREND.
										0.8477
1963-66	OBS.	2471	935	712	488	165	89	41	22	19
	EXP.		990.7	692.5	481.3	138.5	89.9	38.5	16.9	22.7
	OBS./EXP.		0.944	1.028	1.014	1.191	0.990	1.065	1.299	0.837
	RELATIVE RISK		1.000	1.089	1.074	1.262	1.049	1.128	1.377	0.887
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1835	0.0104	0.3322	0.2277	0.1132	0.6174	0.0491	0.2381	0.2809
									0.1026	TREND.
										0.2556
1967-70	OBS.	2486	1002	706	486	125	94	31	19	23
	EXP.		1012.3	690.2	478.8	137.7	89.7	38.7	16.1	22.4
	OBS./EXP.		0.990	1.023	1.015	0.908	1.047	0.801	1.180	1.026
	RELATIVE RISK		1.000	1.033	1.025	0.917	1.058	0.809	1.192	1.037
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4249	0.7470	0.2946	0.5023	0.2980	0.4726	0.5638	0.4674	0.3146
									0.7553	TREND.
										0.5552
1971-74	OBS.	2484	1039	658	458	147	88	48	17	31
	EXP.		1006.8	691.9	479.7	137.2	91.1	38.9	16.5	21.9
	OBS./EXP.		1.032	0.951	0.955	1.072	0.966	1.184	1.030	1.415
	RELATIVE RISK		1.000	0.922	0.925	1.038	0.936	1.147	0.998	1.371
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8418	0.3997	0.6657	0.2837	0.5366	0.1137	0.7454	0.4863	0.1884
									0.1834	TREND.
										0.0265
1975-78	OBS.	2558	1090	673	492	130	80	42	21	30
	EXP.		1032.0	716.9	497.3	140.1	94.6	37.7	17.9	21.5
	OBS./EXP.		1.056	0.939	0.999	0.928	0.845	1.113	1.175	1.399
	RELATIVE RISK		1.000	0.889	0.937	0.879	0.800	1.054	1.112	1.324
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.8102	0.8046	0.6882	0.3143	0.3414	0.1122	0.8637	0.7994	0.1062
									0.0456	TREND.
										0.1168

TABLE 28-2 ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
			A	B	C	D	E	F	G	H		
1950-78	OBS.	237	91	69	52	14	5	6	0	2		
TOTAL	EXP.		87.0	74.4	49.9	11.9	6.6	3.5	1.4	2.3		
	OBS./EXP.		1.046	0.927	1.042	1.178	0.753	1.156	0.000	0.887		
	RELATIVE RISK		1.000	0.887	0.997	1.126	0.720	1.105	0.000	0.848		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.4880	0.4626	0.7407	0.4315	0.8728	0.6503	0.4789	0.6625	0.8108	0.7154	
1950-54	OBS.	44	14	9	12	5	2	0	0	2		
	EXP.		15.8	14.0	9.3	2.3	1.3	0.7	0.3	0.5		
	OBS./EXP.		0.885	0.645	1.289	2.220	1.597	0.000	0.000	4.368		
	RELATIVE RISK		1.000	0.728	1.456	2.509	1.805	0.000	0.000	4.956		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.3151	0.2340	0.3800	0.8341	0.7946	0.2781	0.2164	0.4265	0.4684	0.0784	0.0260
1955-58	OBS.	33	12	11	6	3	0	1	0	0		
	EXP.		11.2	10.8	7.2	1.7	1.0	0.5	0.2	0.4		
	OBS./EXP.		1.073	1.019	0.837	1.721	0.000	1.842	0.000	0.000		
	RELATIVE RISK		1.000	0.950	0.781	1.635	0.000	1.718	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.6542	0.4019	0.5598	0.3235	0.7901	0.8048	0.5963	0.7155	0.8284	0.8732	0.7160
1959-62	OBS.	26	11	8	5	1	1	0	0	0		
	EXP.		9.5	8.2	5.5	1.3	0.7	0.4	0.2	0.3		
	OBS./EXP.		1.161	0.978	0.910	0.772	1.348	0.000	0.000	0.000		
	RELATIVE RISK		1.000	0.842	0.784	0.665	1.161	0.000	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.6073	0.6619	0.3565	0.7975	0.7771	0.7843	0.6542	0.5932	0.7982	0.9881	0.7981
1963-66	OBS.	28	15	5	5	1	1	1	0	0		
	EXP.		10.2	8.8	5.9	1.4	0.8	0.4	0.2	0.3		
	OBS./EXP.		1.474	0.565	0.845	0.710	1.259	2.419	0.000	0.000		
	RELATIVE RISK		1.000	0.383	0.573	0.482	0.854	1.641	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.6485	0.7745	0.6289	0.3333	0.7888	0.8017	0.8793	0.4444	0.8232	0.5620	0.6429
1967-70	OBS.	35	12	13	7	2	1	0	0	0		
	EXP.		13.5	10.7	7.2	1.7	0.9	0.5	0.2	0.3		
	OBS./EXP.		0.889	1.213	0.971	1.173	1.084	0.000	0.000	0.000		
	RELATIVE RISK		1.000	1.364	1.092	1.319	1.219	0.000	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.5185	0.3548	0.4182	0.8144	0.7858	0.7993	0.4356	0.6671	0.8187	0.9751	0.7757
1971-74	OBS.	33	10	13	7	2	0	1	0	0		
	EXP.		12.5	10.2	6.9	1.6	0.9	0.5	0.2	0.3		
	OBS./EXP.		0.799	1.280	1.018	1.242	0.000	2.175	0.300	0.000		
	RELATIVE RISK		1.000	1.601	1.274	1.554	0.000	2.722	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.4404	0.3795	0.8204	0.2832	0.7762	0.7828	0.4640	0.5460	0.7961	0.8395	0.6638
1975-78	OBS.	38	17	10	10	0	0	1	0	0		
	EXP.		14.4	11.7	7.9	1.9	1.0	0.5	0.2	0.3		
	OBS./EXP.		1.145	0.853	1.261	0.000	0.000	1.939	0.000	0.000		
	RELATIVE RISK		1.000	0.729	1.085	0.000	0.000	1.637	0.000	0.000		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.4492	0.7025	0.8575	0.3137	0.7877	0.8027	0.5962	0.7130	0.8231	0.6216	0.8390

TABLE 28-3 ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-3

HIROSHIMA • NAGASAKI, MALE • FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-73	OBS.	702	258	222	108	28	41	21	8	16
TOTAL	EXP.		260.1	219.3	112.3	36.4	38.5	17.8	7.5	10.1
	OBS./EXP.		0.992	1.012	0.962	0.768	1.064	1.180	1.069	1.584
	RELATIVE RISK		1.000	1.021	0.970	0.774	1.072	1.189	1.077	1.597
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.5459	0.8130	0.3336	0.3163	0.4484	0.0994	0.6691	0.2674	0.1479
									HOMO.	TREND.
									0.4929	0.0594
1950-54	OBS.	135	62	38	17	6	6	4	3	1
	EXP.		48.0	41.9	21.9	7.5	8.2	3.9	1.5	2.0
	OBS./EXP.		1.291	0.906	0.776	0.532	0.729	1.032	1.950	0.509
	RELATIVE RISK		1.000	0.702	0.600	0.412	0.564	0.799	1.510	0.394
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.9299	0.9229	0.8568	0.6775	0.4397	0.8114	0.9664	0.8445	0.6262
									HOMO.	TREND.
									0.1797	0.7892
1955-58	OBS.	115	52	30	20	3	5	3	1	1
	EXP.		43.0	35.5	18.4	5.9	6.3	2.9	1.2	1.6
	OBS./EXP.		1.208	0.846	1.085	0.505	0.793	1.019	0.812	0.620
	RELATIVE RISK		1.000	0.700	0.898	0.418	0.656	0.843	0.672	0.513
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6121	0.3844	0.7293	0.4849	0.6737	0.7308	0.7621	0.6767	0.7495
									HOMO.	TREND.
									0.6436	0.8263
1959-62	OBS.	74	22	23	12	3	8	3	0	3
	EXP.		28.8	22.4	12.0	3.7	3.7	1.7	0.8	1.0
	OBS./EXP.		0.765	1.028	1.001	0.813	2.156	1.772	0.000	2.976
	RELATIVE RISK		1.000	1.344	1.309	1.062	2.818	2.317	0.000	3.890
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3087	0.4069	0.0534	0.3552	0.5159	0.1128	0.2948	0.0966	0.2906
									HOMO.	TREND.
									0.0743	0.0072
1963-66	OBS.	84	25	33	14	4	3	4	0	1
	EXP.		30.1	26.2	13.7	4.6	4.9	2.3	0.9	1.3
	OBS./EXP.		0.830	1.260	1.022	0.867	0.611	1.767	0.000	0.800
	RELATIVE RISK		1.000	1.519	1.232	1.045	0.736	2.130	0.000	0.964
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.3737	0.5400	0.6648	0.2505	0.8312	0.5551	0.4106	0.4289	0.7433
									HOMO.	TREND.
									0.5536	0.6385
1967-70	OBS.	81	25	27	17	2	5	2	0	3
	EXP.		30.1	25.8	12.7	4.1	4.3	2.0	0.8	1.2
	OBS./EXP.		0.832	1.046	1.339	0.492	1.155	0.998	0.000	2.515
	RELATIVE RISK		1.000	1.257	1.609	0.591	1.388	1.200	0.000	3.023
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.1707	0.7304	0.3383	0.4029	0.3213	0.1449	0.2658	0.3619	0.3425
									HOMO.	TREND.
									0.4140	0.1917
1971-74	OBS.	107	34	40	13	7	5	2	2	4
	EXP.		38.6	34.4	16.9	5.6	6.0	2.8	1.1	1.6
	OBS./EXP.		0.880	1.162	0.771	1.254	0.833	0.724	1.775	2.475
	RELATIVE RISK		1.000	1.320	0.876	1.425	0.946	0.823	2.017	2.812
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.6404	0.3172	0.6291	0.6748	0.4135	0.1250	0.4605	0.6807	0.1146
									HOMO.	TREND.
									0.3933	0.0768
1975-78	OBS.	106	38	31	15	5	9	3	2	3
	EXP.		41.5	33.0	16.7	5.0	5.1	2.3	1.0	1.4
	OBS./EXP.		0.916	0.941	0.897	0.995	1.773	1.318	1.941	2.097
	RELATIVE RISK		1.000	1.027	0.930	1.086	1.936	1.439	2.119	2.290
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
	PROB.	0.4563	0.4459	0.0685	0.3668	0.3651	0.2108	0.4676	0.0763	0.1250
									HOMO.	TREND.
									0.4602	0.0111

TABLE 28-4 ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	1322	540	374	215	84	52	25	12	20
	EXP.		510.5	380.5	234.5	75.6	59.4	29.5	14.4	17.6
	OBS./EXP. RELATIVE RISK		1.058 1.000	0.983 0.929	0.917 0.867	1.111 1.050	0.875 0.827	0.847 0.800	0.831 0.786	1.137 1.075
	TEST PROB.	A=C? 0.9017	A=D? 0.3708	A=E? 0.8573	A=F? 0.8128	A=G? 0.7479	A=H? 0.4737	A=I? 0.8109	A=J? 0.9092	A=K? 0.6077
1950-54	OBS. EXP.	206	71 78.0	62 59.9	45 36.8	11 12.0	10 9.5	4 4.8	1 2.3	2 2.8
	OBS./EXP. RELATIVE RISK		0.910 1.000	1.036 1.137	1.221 1.341	0.919 1.009	1.055 1.158	0.841 0.924	0.442 0.485	0.707 0.777
	TEST PROB.	A=C? 0.1589	A=D? 0.4925	A=E? 0.4492	A=F? 0.6416	A=G? 0.7787	A=H? 0.6551	A=I? 0.1894	A=J? 0.5423	A=K? 0.7589
1955-58	OBS. EXP.	168	57 62.4	52 48.9	29 30.0	14 10.1	6 8.1	5 4.1	1 2.0	4 2.3
	OBS./EXP. RELATIVE RISK		0.913 1.000	1.064 1.165	0.966 1.058	1.383 1.515	0.739 0.810	1.214 1.330	0.512 0.561	1.708 1.871
	TEST PROB.	A=C? 0.4706	A=D? 0.1870	A=E? 0.6065	A=F? 0.4386	A=G? 0.7126	A=H? 0.3071	A=I? 0.3253	A=J? 0.4501	A=K? 0.4666
1959-62	OBS. EXP.	142	53 54.7	50 40.5	20 25.3	10 8.3	8 6.5	1 3.2	0 1.4	0 1.9
	OBS./EXP. RELATIVE RISK		0.969 1.000	1.236 1.275	0.791 0.817	1.199 1.238	1.232 1.272	0.308 0.318	0.000 0.000	0.000 0.000
	TEST PROB.	A=C? 0.7327	A=D? 0.3914	A=E? 0.4187	A=F? 0.8475	A=G? 0.5735	A=H? 0.8864	A=I? 0.6323	A=J? 0.5546	A=K? 0.9334
1963-66	OBS. EXP.	144	51 53.5	44 42.7	26 25.7	9 8.2	6 6.8	5 3.4	2 1.7	1 2.0
	OBS./EXP. RELATIVE RISK		0.953 1.000	1.031 1.081	1.010 1.060	1.093 1.147	0.889 0.932	1.459 1.530	1.207 1.266	0.500 0.525
	TEST PROB.	A=C? 0.4399	A=D? 0.3899	A=E? 0.5907	A=F? 0.3093	A=G? 0.3817	A=H? 0.7396	A=I? 0.3774	A=J? 0.4510	A=K? 0.5834
1967-70	OBS. EXP.	173	81 88.2	44 49.4	27 30.6	10 9.6	5 7.5	3 3.7	1 1.8	2 2.3
	OBS./EXP. RELATIVE RISK		1.138 1.000	0.890 0.749	0.883 0.743	1.040 0.875	0.668 0.562	0.817 0.687	0.551 0.464	0.885 0.745
	TEST PROB.	A=C? 0.8698	A=D? 0.7134	A=E? 0.8915	A=F? 0.7584	A=G? 0.8161	A=H? 0.7275	A=I? 0.8616	A=J? 0.9021	A=K? 0.8233
1971-74	OBS. EXP.	206	92 81.1	51 58.7	34 36.1	13 11.6	8 9.1	2 4.5	2 2.2	4 2.7
	OBS./EXP. RELATIVE RISK		1.135 1.000	0.869 0.765	0.943 0.831	1.121 0.988	0.876 0.771	0.445 0.392	0.890 0.784	1.488 1.311
	TEST PROB.	A=C? 0.7455	A=D? 0.4372	A=E? 0.7012	A=F? 0.8439	A=G? 0.6254	A=H? 0.4662	A=I? 0.7114	A=J? 0.8064	A=K? 0.5436
1975-78	OBS. EXP.	283	135 112.5	71 80.8	34 49.9	17 15.7	9 11.9	5 5.7	5 2.9	7 3.6
	OBS./EXP. RELATIVE RISK		1.200 1.000	0.879 0.733	0.681 0.568	1.084 0.904	0.756 0.630	0.880 0.733	1.698 1.415	1.956 1.631
	TEST PROB.	A=C? 0.9857	A=D? 0.6482	A=E? 0.8796	A=F? 0.7690	A=G? 0.4043	A=H? 0.2485	A=I? 0.9715	A=J? 0.9065	A=K? 0.1865

TABLE 28-5 ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	5395	2155	1660	1047	298	218	96	54	67
TOTAL	EXP.		2163.8	1485.8	1046.7	300.9	227.2	88.0	41.2	61.4
	OBS./EXP.		1.005	0.983	1.000	0.990	0.980	1.091	1.311	1.091
	RELATIVE RISK		1.000	0.978	0.995	0.985	0.954	1.085	1.304	1.085
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5142	0.4840	0.8141	0.2217	0.9632	0.2702	0.5165	0.4532	0.0739
1950-54	OBS.	458	191	123	89	18	23	5	3	6
	EXP.		177.2	128.6	89.7	25.8	19.4	7.8	3.9	5.6
	OBS./EXP.		1.078	0.956	0.993	0.698	1.185	0.642	0.773	1.067
	RELATIVE RISK		1.000	0.887	0.921	0.648	1.099	0.596	0.717	0.990
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7337	0.3929	0.3768	0.8119	0.6886	0.3383	0.8492	0.5143	0.6320
1955-58	OBS.	504	199	130	113	25	17	7	7	6
	EXP.		196.6	140.3	97.5	28.8	21.7	8.5	4.3	6.2
	OBS./EXP.		1.012	0.926	1.159	0.867	0.785	0.819	1.628	0.964
	RELATIVE RISK		1.000	0.915	1.145	0.856	0.775	0.809	1.608	0.952
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2135	0.7128	0.7957	0.6918	0.2703	0.6048	0.2992	0.5121	0.4301
1959-62	OBS.	552	219	169	89	36	19	6	7	7
	EXP.		216.0	154.1	106.3	31.4	24.0	9.3	4.4	6.8
	OBS./EXP.		1.314	1.097	0.838	1.145	0.793	0.644	1.601	1.055
	RELATIVE RISK		1.000	1.082	0.826	1.129	0.782	0.635	1.578	1.040
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8877	0.3220	0.7779	0.8178	0.2618	0.4441	0.7876	0.8516	0.2824
1963-66	OBS.	700	251	205	134	43	33	16	10	8
	EXP.		275.2	194.2	136.4	39.6	30.2	12.0	5.4	8.5
	OBS./EXP.		0.912	1.055	0.997	1.085	1.072	1.339	1.866	0.940
	RELATIVE RISK		1.000	1.157	1.093	1.190	1.175	1.467	2.046	1.031
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2545	0.1405	0.2713	0.1005	0.0449	0.4635	0.1572	0.1305	0.1162
1967-70	OBS.	882	357	229	168	54	40	16	9	11
	EXP.		353.5	240.3	170.2	49.0	37.9	14.6	6.4	10.1
	OBS./EXP.		1.010	0.953	0.987	1.102	1.056	0.961	1.403	1.087
	RELATIVE RISK		1.000	0.944	0.977	1.091	1.045	0.952	1.389	1.077
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5508	0.3403	0.3229	0.4639	0.2012	0.3925	0.5229	0.3313	0.2008
1971-74	OBS.	1032	423	261	190	59	48	29	10	13
	EXP.		415.1	282.5	201.4	56.1	42.6	18.5	7.2	10.4
	OBS./EXP.		1.319	0.924	0.943	1.055	1.128	1.698	1.396	1.224
	RELATIVE RISK		1.000	0.907	0.926	1.032	1.107	1.666	1.370	1.202
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7279	0.4728	0.3437	0.0671	0.3105	0.3754	0.6691	0.1131	0.2546
1975-78	OBS.	1257	515	343	264	63	38	20	8	16
	EXP.		513.3	347.1	247.0	68.7	51.8	18.9	8.4	11.8
	OBS./EXP.		1.003	0.988	1.069	0.917	0.734	1.057	0.955	1.358
	RELATIVE RISK		1.000	0.985	1.065	0.914	0.732	1.053	0.952	1.354
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2585	0.6361	0.9075	0.4026	0.4654	0.1828	0.3386	0.8406	0.2417

TABLE 28-6 ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-6

HIRAOSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS. TOTAL	9493	3919	2717	1857	494	285	97	32	72
	EXP.	3862.3	2684.9	1878.8	531.9	294.8	120.2	52.1	68.0	
	OBS./EXP.	1.015	1.012	0.988	0.929	0.967	0.807	0.998	1.058	
	RELATIVE RISK	1.000	0.997	0.974	0.915	0.953	0.796	0.983	1.043	
	TEST PROB.	A=C? 0.8180	A=D? 0.9188	A=E? 0.7294	A=F? 0.9546	A=G? 0.5645	A=H? 0.4164	A=CD? 0.9054	A=EF? 0.9106	A=GH? 0.4650
										HOMO. 0.1994
										TREND. 0.9217
1950-54	OBS. TOTAL	1483	624	448	266	56	56	9	9	15
	EXP.	591.2	430.4	293.0	81.3	48.5	18.3	8.2	12.1	
	OBS./EXP.	1.055	1.041	0.908	0.689	1.154	0.491	1.099	1.240	
	RELATIVE RISK	1.000	0.986	0.860	0.653	1.093	0.466	1.041	1.175	
	TEST PROB.	A=C? 0.9518	A=D? 0.9908	A=E? 0.4227	A=F? 0.9684	A=G? 0.4850	A=H? 0.3965	A=CD? 0.9896	A=EF? 0.7557	A=GH? 0.4161
										HOMO. 0.0049
										TREND. 0.7873
1955-58	OBS. TOTAL	1650	665	486	334	78	47	18	8	14
	EXP.	666.4	470.5	324.8	92.1	52.4	20.8	8.8	12.2	
	OBS./EXP.	0.998	1.033	1.022	0.847	0.896	0.864	0.908	1.148	
	RELATIVE RISK	1.000	1.035	1.024	0.849	0.898	0.866	0.910	1.150	
	TEST PROB.	A=C? 0.4405	A=D? 0.8792	A=E? 0.7486	A=F? 0.7336	A=G? 0.5457	A=H? 0.4155	A=CD? 0.6119	A=EF? 0.7909	A=GH? 0.4686
										HOMO. 0.7443
										TREND. 0.7442
1959-62	OBS. TOTAL	1560	645	454	298	84	42	17	7	13
	EXP.	626.1	441.9	309.7	91.9	49.8	19.9	9.0	11.7	
	OBS./EXP.	1.030	1.027	0.962	0.914	0.843	0.854	0.777	1.114	
	RELATIVE RISK	1.000	0.997	0.934	0.827	0.819	0.829	0.754	1.082	
	TEST PROB.	A=C? 0.7873	A=D? 0.7757	A=E? 0.8402	A=F? 0.7499	A=G? 0.7371	A=H? 0.4742	A=CD? 0.8341	A=EF? 0.8217	A=GH? 0.6012
										HOMO. 0.7121
										TREND. 0.8698
1963-66	OBS. TOTAL	1515	593	425	309	108	46	15	10	9
	EXP.	621.7	420.6	301.5	84.6	46.7	20.5	8.8	10.7	
	OBS./EXP.	0.954	1.010	1.025	1.276	0.985	0.733	1.136	0.843	
	RELATIVE RISK	1.000	1.059	1.074	1.338	1.033	0.769	1.191	0.884	
	TEST PROB.	A=C? 0.2640	A=D? 0.0170	A=E? 0.4294	A=F? 0.7607	A=G? 0.3723	A=H? 0.6386	A=CD? 0.0885	A=EF? 0.5588	A=GH? 0.4667
										HOMO. 0.1544
										TREND. 0.4865
1967-70	OBS. TOTAL	1315	527	393	267	57	43	12	9	7
	EXP.	547.1	364.0	258.1	73.3	39.1	18.0	6.8	8.5	
	OBS./EXP.	0.963	1.080	1.034	0.777	1.099	0.667	1.316	0.820	
	RELATIVE RISK	1.000	1.121	1.074	0.607	1.141	0.692	1.366	0.351	
	TEST PROB.	A=C? 0.3094	A=D? 0.8652	A=E? 0.2596	A=F? 0.8443	A=G? 0.2905	A=H? 0.6687	A=CD? 0.4894	A=EF? 0.4713	A=GH? 0.4674
										HOMO. 0.1280
										TREND. 0.7974
1971-74	OBS. TOTAL	1106	480	293	214	66	27	13	3	10
	EXP.	459.5	306.1	218.5	62.3	32.5	14.7	5.8	6.7	
	OBS./EXP.	1.045	0.957	0.979	1.080	0.830	0.887	0.519	1.494	
	RELATIVE RISK	1.000	0.916	0.938	1.015	0.795	0.849	0.497	1.430	
	TEST PROB.	A=C? 0.7437	A=D? 0.5086	A=E? 0.3167	A=F? 0.7097	A=G? 0.8613	A=H? 0.2505	A=CD? 0.7125	A=EF? 0.8265	A=GH? 0.5248
										HOMO. 0.4672
										TREND. 0.5823
1975-78	OBS. TOTAL	864	385	218	169	45	24	13	6	4
	EXP.	350.3	244.3	173.7	48.8	24.9	10.3	5.3	4.3	
	OBS./EXP.	1.099	0.892	0.962	0.922	0.966	1.258	1.330	0.923	
	RELATIVE RISK	1.000	0.812	0.935	0.839	0.879	1.145	1.029	0.840	
	TEST PROB.	A=C? 0.8902	A=D? 0.7901	A=E? 0.6083	A=F? 0.2807	A=G? 0.4345	A=H? 0.6168	A=CD? 0.9193	A=EF? 0.4770	A=GH? 0.4665
										HOMO. 0.2552
										TREND. 0.5046

TABLE 28-7 ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-7

MIYOSHIINA • NAGASAKI, MALE, ALL AGES

		T-65 TOTAL DOSE IN RAD									
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+	
			A	B	C	D	E	F	G	H	
1950-78	OBS.	8397	3369	2417	1510	441	348	127	73	112	
TOTAL	EXP.		3330.8	2370.7	1547.9	477.2	364.4	142.5	63.8	99.7	
	OBS./EXP.		1.011	1.020	0.975	0.924	0.955	0.891	1.144	1.124	
	RELATIVE RISK		1.000	1.008	0.964	0.914	0.944	0.881	1.131	1.111	
TEST	PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.	
		0.7927	0.3667	0.6988	0.8101	0.2017	0.1866	0.8722	0.8083	0.1090	0.4796
1950-54	OBS.	1194	498	351	215	40	60	6	7	17	
	EXP.		473.3	342.9	221.0	64.7	49.9	19.1	8.7	14.3	
	OBS./EXP.		1.052	1.024	0.973	0.618	1.202	0.314	0.800	1.191	
	RELATIVE RISK		1.000	0.973	0.925	0.587	1.142	0.299	0.760	1.132	
TEST	PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.	
		0.7746	0.9922	0.2657	0.9917	0.7429	0.4234	0.9451	0.7060	0.5539	0.3661
1955-58	OBS.	1263	490	366	254	63	42	22	11	15	
	EXP.		499.8	359.4	234.1	71.2	53.1	21.1	9.3	14.9	
	OBS./EXP.		0.980	1.018	1.085	0.885	0.790	1.043	1.179	1.009	
	RELATIVE RISK		1.000	1.039	1.107	0.902	0.806	1.064	1.203	1.030	
TEST	PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.	
		0.1758	0.7452	0.8675	0.4784	0.4087	0.4758	0.2814	0.7756	0.4474	0.5606
1959-62	OBS.	1193	491	351	203	71	41	14	9	13	
	EXP.		468.4	337.9	220.9	71.5	51.6	19.6	8.9	14.1	
	OBS./EXP.		1.048	1.039	0.919	0.993	0.795	0.716	1.012	0.919	
	RELATIVE RISK		1.000	0.991	0.877	0.947	0.759	0.683	0.965	0.877	
TEST	PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.	
		0.8989	0.6185	0.3954	0.9616	0.5339	0.6503	0.3830	0.9449	0.6123	0.3949
1963-66	OBS.	1251	475	367	219	84	55	20	15	16	
	EXP.		494.2	350.2	232.4	73.5	54.6	21.7	9.4	14.9	
	OBS./EXP.		0.961	1.048	0.942	1.143	1.008	0.920	1.588	1.074	
	RELATIVE RISK		1.000	1.090	0.980	1.190	1.049	0.957	1.652	1.117	
TEST	PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.	
		0.5400	0.0916	0.3328	0.4879	0.0604	0.3514	0.3305	0.5935	0.0993	0.3529
1967-70	OBS.	1220	483	364	220	58	55	17	10	13	
	EXP.		485.5	338.2	226.1	70.9	54.2	21.9	9.8	14.4	
	OBS./EXP.		0.995	1.076	0.973	0.818	1.015	0.775	1.136	0.902	
	RELATIVE RISK		1.000	1.082	0.978	0.822	1.020	0.779	1.141	0.907	
TEST	PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.	
		0.5980	0.8632	0.3920	0.7751	0.4202	0.6145	0.7532	0.4934	0.4703	0.5111
1971-74	OBS.	1141	455	311	205	68	49	25	8	20	
	EXP.		453.3	315.9	211.3	65.6	51.3	21.0	9.1	13.4	
	OBS./EXP.		1.004	0.985	0.970	1.036	0.955	1.190	0.877	1.468	
	RELATIVE RISK		1.000	0.981	0.966	1.032	0.951	1.186	0.874	1.462	
TEST	PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.	
		0.6431	0.1170	0.6086	0.3107	0.6595	0.1229	0.5731	0.4784	0.2468	0.6243
1975-78	OBS.	1135	477	307	194	57	46	23	13	18	
	EXP.		453.9	317.4	208.3	64.2	51.0	19.5	9.5	11.1	
	OBS./EXP.		1.051	0.967	0.931	0.887	0.902	1.181	1.369	1.615	
	RELATIVE RISK		1.000	0.920	0.886	0.844	0.858	1.124	1.303	1.537	
TEST	PROB.	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.	
		0.8190	0.7543	0.6900	0.2194	0.2168	0.0739	0.8659	0.5271	0.0467	0.1598

TABLE 28-8. ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-8

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	8752	3594	2425	1769	477	253	116	53	65
TOTAL	EXP.	3532.9	2474.1	1774.2	479.6	262.2	116.5	52.9	59.7	
	OBS./EXP.	1.017	0.980	0.997	0.995	0.965	0.996	1.002	1.089	
	RELATIVE RISK	1.000	0.963	0.980	0.978	0.949	0.979	0.985	1.070	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7527	0.6418	0.7577	0.6050	0.5533	0.3688	0.7563	0.7670	0.4202
1950-54	OBS.	1132	464	329	214	54	37	16	9	9
EXP.		436.9	331.7	229.7	64.1	37.0	16.3	7.4	8.7	
	OBS./EXP.	1.062	0.991	0.932	0.243	1.000	0.981	1.216	1.035	
	RELATIVE RISK	1.000	0.933	0.877	0.794	0.942	0.924	1.145	0.975	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9220	0.8975	0.7050	0.6636	0.4634	0.5804	0.9511	0.7436	0.6666
1955-58	OBS.	1207	495	343	248	60	33	12	6	10
EXP.		479.8	346.6	245.8	67.5	36.4	15.9	7.2	7.9	
	OBS./EXP.	1.032	0.990	1.009	0.889	0.907	0.756	0.836	1.270	
	RELATIVE RISK	1.000	0.959	0.978	0.861	0.879	0.732	0.810	1.231	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6137	0.8223	0.7318	0.8102	0.7025	0.4309	0.7191	0.8143	0.5500
1959-62	OBS.	1161	459	353	221	63	37	13	5	10
EXP.		466.5	329.1	237.8	65.2	33.1	15.0	7.0	7.3	
	OBS./EXP.	0.984	1.073	0.930	0.966	1.116	0.867	0.714	1.369	
	RELATIVE RISK	1.000	1.090	0.945	0.982	1.135	0.881	0.726	1.391	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7040	0.5248	0.3375	0.6633	0.7205	0.2446	0.6761	0.4679	0.4311
1963-66	OBS.	1220	440	345	269	81	34	21	7	3
EXP.		496.5	342.3	268.8	65.0	35.4	16.8	7.5	7.8	
	OBS./EXP.	0.927	1.008	1.081	1.246	0.962	1.252	0.935	0.385	
	RELATIVE RISK	1.000	1.088	1.167	1.344	1.038	1.352	1.010	0.415	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0919	0.0282	0.4762	0.1770	0.4486	0.3859	0.0314	0.2749	0.7846
1967-70	OBS.	1266	519	342	266	67	39	14	9	10
EXP.		526.8	352.0	252.8	66.8	35.5	16.8	7.3	8.0	
	OBS./EXP.	0.985	0.972	1.052	1.003	1.097	0.836	1.233	1.249	
	RELATIVE RISK	1.000	0.986	1.068	1.018	1.114	0.842	1.251	1.268	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3195	0.4585	0.3298	0.6955	0.3536	0.3329	0.3443	0.4516	0.2430
1971-74	OBS.	1343	584	347	253	79	39	21	9	11
EXP.		553.6	376.0	268.4	71.6	39.8	17.9	7.4	8.5	
	OBS./EXP.	1.055	0.923	0.943	1.104	0.980	1.176	1.219	1.300	
	RELATIVE RISK	1.000	0.875	0.894	1.047	0.929	1.115	1.155	1.232	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8508	0.4620	0.6494	0.4185	0.4772	0.3658	0.7965	0.5430	0.3236
1975-78	OBS.	1423	613	366	298	73	34	19	8	12
EXP.		576.1	399.4	289.0	75.9	43.6	18.3	8.4	10.3	
	OBS./EXP.	1.060	0.916	1.031	0.962	0.779	1.040	0.954	1.163	
	RELATIVE RISK	1.000	0.864	0.973	0.907	0.735	0.981	0.900	1.097	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6567	0.7185	0.9025	0.5535	0.6212	0.4586	0.6983	0.8779	0.4666

TABLE 28-9 ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	13435	6221	3432	2438	651	376	128	80	109
TOTAL	EXP.		6111.6	3459.6	2501.9	669.2	390.4	140.6	66.5	95.2
	OBS./EXP.		1.018	0.992	0.974	0.973	0.963	0.910	1.203	1.145
	RELATIVE RISK		1.000	0.975	0.957	0.956	0.946	0.894	1.182	1.125
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9084	0.7895	0.7841	0.8268	0.1569	0.2087	0.9266	0.8700	0.0998
1950-54	OBS.	1751	531	472	293	63	59	10	10	13
	EXP.		795.6	457.4	320.3	86.4	51.3	17.8	9.0	13.3
	OBS./EXP.		1.044	1.032	0.915	0.729	1.151	0.561	1.109	0.981
	RELATIVE RISK		1.000	0.988	0.876	0.698	1.102	0.537	1.062	0.939
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9225	0.9778	0.3409	0.9340	0.4537	0.5982	0.9779	0.6332	0.5430
1955-58	OBS.	1909	867	496	376	82	48	19	9	12
	EXP.		868.5	495.3	352.4	95.7	54.6	19.6	9.5	13.3
	OBS./EXP.		0.998	1.001	1.067	0.856	0.878	0.970	0.950	0.899
	RELATIVE RISK		1.000	1.003	1.369	0.858	0.880	0.971	0.952	0.901
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2271	0.8392	0.7453	0.5599	0.5837	0.6356	0.3935	0.7271	0.6349
1959-62	OBS.	1832	848	501	303	97	46	10	12	15
	EXP.		832.0	471.0	340.3	95.2	53.0	18.0	9.2	12.4
	OBS./EXP.		1.019	1.064	0.891	1.019	0.868	0.528	1.307	1.211
	RELATIVE RISK		1.000	1.044	0.874	1.000	0.851	0.518	1.283	1.188
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9301	0.5109	0.7963	0.9448	0.3089	0.3581	0.8956	0.9285	0.2469
1963-66	OBS.	1930	849	496	360	127	50	25	14	9
	EXP.		881.5	491.3	361.7	96.0	55.8	21.2	9.2	13.2
	OBS./EXP.		0.963	1.010	0.995	1.323	0.895	1.177	1.518	0.683
	RELATIVE RISK		1.000	1.048	1.033	1.374	0.930	1.222	1.576	0.709
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3617	0.4086	0.6685	0.2681	0.1350	0.8041	0.1055	0.4831	0.4626
1967-70	OBS.	1969	901	513	360	80	71	17	13	14
	EXP.		903.6	499.7	362.4	97.0	56.1	21.4	9.0	13.8
	OBS./EXP.		0.997	1.027	0.977	0.825	1.264	0.793	1.450	1.018
	RELATIVE RISK		1.000	1.030	0.980	0.827	1.268	0.795	1.654	1.021
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6059	0.8863	0.0981	0.7774	0.2004	0.4728	0.7570	0.2304	0.2924
1971-74	OBS.	1971	925	467	361	105	57	25	8	23
	EXP.		899.2	503.3	373.6	96.0	55.5	20.8	9.1	13.4
	OBS./EXP.		1.029	0.928	0.966	1.094	1.026	1.201	0.875	1.713
	RELATIVE RISK		1.000	0.902	0.939	1.064	0.998	1.167	0.851	1.665
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7767	0.3440	0.4888	0.3217	0.6657	0.0460	0.6843	0.4080	0.1392
1975-78	OBS.	2073	1000	487	385	97	45	22	14	23
	EXP.		930.3	538.4	397.7	102.3	60.5	20.5	10.3	13.1
	OBS./EXP.		1.075	0.905	0.968	0.948	0.744	1.073	1.359	1.782
	RELATIVE RISK		1.000	0.841	0.901	0.882	0.692	0.999	1.265	1.639
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9018	0.3184	0.9621	0.4477	0.3056	0.0545	0.9264	0.9353	0.0552

TABLE 28-10 ALL DISEASES EXCEPT NEOPLASMS

TABLE 28-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	3714	742	1410	841	267	225	115	46	68
TOTAL	EXP.		752.0	1385.2	820.2	287.6	236.2	118.3	50.2	64.2
	OBS./EXP.		0.987	1.018	1.025	0.928	0.953	0.972	0.916	1.059
	RELATIVE RISK		1.000	1.032	1.039	0.941	0.965	0.985	0.929	1.074
	TEST	A=C2	A=D2	A=E2	A=F2	A=G2	A=H2	A=I2	A=J2	TREND.
	PROB.	0.3611	0.7521	0.6405	0.5654	0.6365	0.3321	0.4904	0.6432	0.7835
1950-54	OBS.	575	131	208	136	31	38	12	6	13
	EXP.		114.6	217.4	130.4	42.4	35.7	17.6	7.1	9.7
	OBS./EXP.		1.143	0.957	1.043	0.730	1.066	0.683	0.841	1.339
	RELATIVE RISK		1.000	0.837	0.913	0.639	0.933	0.597	0.736	1.171
	TEST	A=C2	A=D2	A=E2	A=F2	A=G2	A=H2	A=I2	A=J2	TREND.
	PROB.	0.7229	0.9540	0.6314	0.9144	0.7318	0.3721	0.8680	0.8258	0.4748
1955-58	OBS.	561	118	213	126	41	27	15	8	13
	EXP.		111.2	210.7	127.5	43.0	34.9	17.4	7.0	9.4
	OBS./EXP.		1.061	1.011	0.988	0.954	0.774	0.863	1.136	1.385
	RELATIVE RISK		1.000	0.953	0.931	0.899	0.730	0.813	1.070	1.305
	TEST	A=C2	A=D2	A=E2	A=F2	A=G2	A=H2	A=I2	A=J2	TREND.
	PROB.	0.6966	0.7000	0.8658	0.7285	0.4463	0.3001	0.7157	0.8740	0.3299
1959-62	OBS.	522	102	203	121	37	32	17	2	8
	EXP.		102.9	196.0	118.4	41.5	31.7	15.6	6.7	9.1
	OBS./EXP.		0.991	1.036	1.022	0.891	1.010	1.088	0.298	0.882
	RELATIVE RISK		1.000	1.045	1.031	0.899	1.019	1.098	0.300	0.990
	TEST	A=C2	A=D2	A=E2	A=F2	A=G2	A=H2	A=I2	A=J2	TREND.
	PROB.	0.4578	0.8809	0.4789	0.4455	0.9238	0.6247	0.5201	0.4949	0.8574
1963-66	OBS.	541	86	216	128	38	39	16	8	10
	EXP.		109.2	201.2	119.5	42.5	34.1	17.3	7.7	9.5
	OBS./EXP.		0.788	1.074	1.071	0.894	1.144	0.927	1.038	1.051
	RELATIVE RISK		1.000	1.363	1.360	1.135	1.453	1.177	1.318	1.335
	TEST	A=C2	A=D2	A=E2	A=F2	A=G2	A=H2	A=I2	A=J2	TREND.
	PROB.	0.0896	0.3519	0.0873	0.3831	0.3525	0.3163	0.1131	0.1097	0.2445
1967-70	OBS.	517	101	193	126	45	23	14	6	9
	EXP.		108.7	190.5	110.5	40.7	33.6	17.3	7.1	8.7
	OBS./EXP.		0.929	1.013	1.141	1.106	0.685	0.811	0.840	1.039
	RELATIVE RISK		1.000	1.096	1.228	1.190	0.737	0.873	0.904	1.118
	TEST	A=C2	A=D2	A=E2	A=F2	A=G2	A=H2	A=I2	A=J2	TREND.
	PROB.	0.1614	0.2668	0.8594	0.6896	0.6133	0.4841	0.1426	0.8518	0.4608
1971-74	OBS.	513	114	191	97	42	31	21	9	8
	EXP.		107.6	188.5	106.1	41.2	35.6	18.0	7.4	8.5
	OBS./EXP.		1.059	1.013	0.914	1.019	0.872	1.164	1.222	0.943
	RELATIVE RISK		1.000	0.957	0.863	0.962	0.823	1.099	1.153	0.891
	TEST	A=C2	A=D2	A=E2	A=F2	A=G2	A=H2	A=I2	A=J2	TREND.
	PROB.	0.7900	0.5935	0.7743	0.4090	0.4559	0.6212	0.7736	0.6479	0.4650
1975-78	OBS.	485	90	186	107	33	35	20	7	7
	EXP.		101.7	178.5	99.6	37.8	34.1	17.2	7.6	8.4
	OBS./EXP.		0.885	1.042	1.074	0.872	1.026	1.160	0.923	0.832
	RELATIVE RISK		1.000	1.178	1.214	0.956	1.159	1.311	1.044	0.941
	TEST	A=C2	A=D2	A=E2	A=F2	A=G2	A=H2	A=I2	A=J2	TREND.
	PROB.	0.2160	0.5638	0.3278	0.2205	0.4779	0.6032	0.2739	0.2324	0.5645

TABLE 29-1 TUBERCULOSIS

TABLE 29-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

		T=65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	1140	403	344	242	58	52	11	14	16
TOTAL	EXP.		131.2	332.6	211.7	85.6	52.1	22.8	10.2	13.9
	OBS./EXP. RELATIVE RISK		0.935 1.000	1.034	1.143 1.169	0.884 0.904	0.997 1.020	0.483 0.494	1.378 1.408	1.148 1.174
	TEST PROB.	AB=C? 0.0773	AB=D? 0.7240	AB=E? 0.5310	AB=F? 0.9657	AB=G? 0.2316	AB=H? 0.3990	AB=I? 0.1561	AB=J-H? 0.6780	AB=FGH? 0.7446
									0.0313	0.5254
1950-54	OBS.	364	126	118	78	16	18	1	5	2
	EXP.		135.6	107.2	67.2	20.9	17.2	7.7	3.5	4.7
	OBS./EXP. RELATIVE RISK		0.929 1.000	1.101	1.160 1.155	0.764 0.761	1.048 1.043	0.130 0.130	1.446 1.439	0.425 0.423
	TEST PROB.	AB=C? 0.2521	AB=D? 0.8087	AB=E? 0.4905	AB=F? 0.9715	AB=G? 0.4040	AB=H? 0.2534	AB=I? 0.4034	AB=J-H? 0.8417	AB=FGH? 0.9402
									0.0761	0.9442
1955-58	OBS.	267	98	75	56	13	12	5	3	5
	EXP.		101.1	78.0	49.6	15.3	12.0	5.3	2.4	3.3
	OBS./EXP. RELATIVE RISK		0.969 1.000	0.961	1.129 1.169	0.850 0.880	1.003 1.038	0.949 0.983	1.247 1.292	1.501 1.554
	TEST PROB.	AB=C? 0.2531	AB=D? 0.6577	AB=E? 0.4740	AB=F? 0.5657	AB=G? 0.4117	AB=H? 0.3453	AB=I? 0.3234	AB=J-H? 0.4303	AB=FGH? 0.3910
									0.9354	0.2199
1959-62	OBS.	162	51	48	40	10	9	1	0	3
	EXP.		59.5	47.9	30.6	9.8	7.5	3.2	1.4	2.0
	OBS./EXP. RELATIVE RISK		0.857 1.000	1.001	1.308 1.419	1.021 1.108	1.204 1.307	0.310 0.337	0.000 0.000	1.472 1.598
	TEST PROB.	AB=C? 0.1133	AB=D? 0.4526	AB=E? 0.4141	AB=F? 0.9492	AB=G? 0.9446	AB=H? 0.4470	AB=I? 0.1315	AB=J-H? 0.5972	AB=FGH? 0.7932
									0.3398	0.5244
1963-66	OBS.	139	49	42	31	5	6	2	3	1
	EXP.		51.8	40.7	26.1	8.2	6.4	2.9	1.2	1.7
	OBS./EXP. RELATIVE RISK		0.946 1.000	1.032	1.187 1.206	0.611 0.621	0.932 0.948	0.699 0.711	2.446 2.487	0.602 0.612
	TEST PROB.	AB=C? 0.2739	AB=D? 0.8032	AB=E? 0.5702	AB=F? 0.6953	AB=G? 0.2182	AB=H? 0.7067	AB=I? 0.4252	AB=J-H? 0.5173	AB=FGH? 0.4404
									0.6021	0.5410
1967-70	OBS.	88	33	26	17	5	4	0	0	3
	EXP.		35.5	25.0	16.2	4.6	3.6	1.5	0.6	0.9
	OBS./EXP. RELATIVE RISK		0.930 1.000	1.039	1.048 1.075	1.093 1.110	1.113 1.142	0.000 0.000	0.000 0.000	3.199 3.281
	TEST PROB.	AB=C? 0.4750	AB=D? 0.4313	AB=E? 0.4248	AB=F? 0.8631	AB=G? 0.3124	AB=H? 0.1329	AB=I? 0.4666	AB=J-H? 0.4496	AB=FGH? 0.4415
									0.4302	0.2030
1971-74	OBS.	74	25	21	14	6	3	2	2	0
	EXP.		22.8	21.1	13.7	4.2	3.4	1.4	0.6	0.8
	OBS./EXP. RELATIVE RISK		0.902 1.000	0.997	1.023 1.086	1.435 1.522	0.887 0.941	1.402 1.488	3.303 3.506	0.000 0.000
	TEST PROB.	AB=C? 0.4631	AB=D? 0.2914	AB=E? 0.5674	AB=F? 0.3671	AB=G? 0.2040	AB=H? 0.8297	AB=I? 0.3637	AB=J-H? 0.4703	AB=FGH? 0.3781
									0.6029	0.3175
1975-78	OBS.	46	20	14	6	3	0	0	1	2
	EXP.		18.5	12.8	8.3	2.6	2.1	0.8	0.4	0.5
	OBS./EXP. RELATIVE RISK		1.082 1.000	1.091	0.725 0.668	1.162 1.071	0.000 0.000	0.000 0.000	2.488 2.291	3.961 3.647
	TEST PROB.	AB=C? 0.7812	AB=D? 0.4257	AB=E? 0.9053	AB=F? 0.8422	AB=G? 0.3040	AB=H? 0.2490	AB=I? 0.7292	AB=J-H? 0.7326	AB=FGH? 0.4314
									0.2396	0.1739

TABLE 29-2 TUBERCULOSIS

TABLE 29-2

MIYOSHIINA, MALE - FEMALE, ALL AGES

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	793 356.7	335 356.7	210 209.6	167 142.6	38 37.6	27 25.4	4 9.2	7 4.8	5 7.1
	OBS./EXP. RELATIVE RISK		0.939 1.000	1.002 1.000	1.171 1.217	1.031 1.051	1.062 1.104	0.436 0.453	1.473 1.530	0.700 0.727
	TEST PROB.	AB=C? 0.0661	AB=D? 0.4471	AB=E? 0.4109	AB=F? 0.8981	AB=G? 0.2316	AB=H? 0.7433	AB=I? 0.0803	AB=J? 0.6109	TREND. 0.1761
1950-54	OBS. EXP.	245 110.2	100 110.2	68 64.8	50 43.8	11 11.5	11 7.3	1 2.9	3 1.6	1 2.3
	OBS./EXP. RELATIVE RISK		0.908 1.000	1.049 1.000	1.141 1.188	0.956 0.995	1.404 1.463	0.346 0.360	1.865 1.943	0.432 0.450
	TEST PROB.	AB=C? 0.2456	AB=D? 0.4919	AB=E? 0.2370	AB=F? 0.8294	AB=G? 0.3377	AB=H? 0.7655	AB=I? 0.2760	AB=J? 0.6182	TREND. 0.5368
1955-58	OBS. EXP.	187 84.0	81 84.0	47 49.6	41 33.5	9 8.9	5 5.9	2 2.2	2 1.2	0 1.7
	OBS./EXP. RELATIVE RISK		0.964 1.000	0.948 1.000	1.224 1.278	1.013 1.058	0.848 0.885	0.915 0.956	1.706 1.781	0.000 0.000
	TEST PROB.	AB=C? 0.1893	AB=D? 0.4509	AB=E? 0.6280	AB=F? 0.5659	AB=G? 0.4035	AB=H? 0.3775	AB=I? 0.2091	AB=J? 0.6740	TREND. 0.7317
1959-62	OBS. EXP.	106 47.7	39 47.7	26 27.9	28 19.1	7 5.2	4 3.4	1 1.2	0 0.6	1 0.9
	OBS./EXP. RELATIVE RISK		0.818 1.000	0.933 1.000	1.464 1.703	1.347 1.566	1.183 1.376	0.842 0.980	0.000 0.000	1.075 1.250
	TEST PROB.	AB=C? 0.0562	AB=D? 0.2796	AB=E? 0.4825	AB=F? 0.5392	AB=G? 0.8090	AB=H? 0.3799	AB=I? 0.0484	AB=J? 0.4396	TREND. 0.4056
1963-66	OBS. EXP.	95 42.5	43 42.5	26 24.9	21 17.2	2 4.7	2 3.1	0 1.1	0 0.5	1 0.8
	OBS./EXP. RELATIVE RISK		1.011 1.000	1.043 1.000	1.217 1.190	0.429 0.420	0.640 0.626	0.000 0.000	0.000 0.000	1.196 1.169
	TEST PROB.	AB=C? 0.3485	AB=D? 0.8548	AB=E? 0.7403	AB=F? 0.8525	AB=G? 0.8122	AB=H? 0.3663	AB=I? 0.4464	AB=J? 0.8294	TREND. 0.8139
1967-70	OBS. EXP.	70 31.7	30 31.7	20 18.4	13 12.6	2 3.2	4 2.3	0 0.8	0 0.4	1 0.6
	OBS./EXP. RELATIVE RISK		0.946 1.000	1.087 1.000	1.030 1.033	0.625 0.626	1.759 1.763	0.000 0.000	0.000 0.000	1.447 1.650
	TEST PROB.	AB=C? 0.4594	AB=D? 0.7346	AB=E? 0.3163	AB=F? 0.8312	AB=G? 0.7965	AB=H? 0.3303	AB=I? 0.5799	AB=J? 0.4465	TREND. 0.7363
1971-74	OBS. EXP.	54 24.3	25 24.3	13 14.3	9 9.8	4 2.5	1 1.7	0 0.6	2 0.3	0 0.5
	OBS./EXP. RELATIVE RISK		1.028 1.000	0.911 1.000	0.918 0.932	1.591 1.616	0.573 0.581	0.000 0.000	7.163 7.273	0.000 0.000
	TEST PROB.	AB=C? 0.5929	AB=D? 0.3569	AB=E? 0.7425	AB=F? 0.8170	AB=G? 0.9694	AB=H? 0.8074	AB=I? 0.4565	AB=J? 0.5760	TREND. 0.3827
1975-73	OBS. EXP.	36 16.1	17 16.1	10 9.6	5 6.5	3 1.7	0 1.2	0 0.4	0 0.2	1 0.3
	OBS./EXP. RELATIVE RISK		1.057 1.000	1.038 1.000	0.767 0.730	1.404 1.718	0.000 0.000	0.000 0.000	0.000 0.000	3.375 3.213
	TEST PROB.	AB=C? 0.7216	AB=D? 0.4007	AB=E? 0.8594	AB=F? 0.8009	AB=G? 0.7830	AB=H? 0.2782	AB=I? 0.5277	AB=J? 0.7807	TREND. 0.4288

TABLE 29-3 TUBERCULOSIS

TABLE 29-3

NAGASAKI, MALE - FEMALE, ALL AGES

YEAR CLASS		T=65 TOTAL DOSE 14 RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	347	68	134	75	20	25	7	7	11
TOTAL	EXP.		74.5	122.9	69.0	28.0	26.7	13.6	5.4	6.8
	OBS./EXP.		0.913	1.090	1.067	0.714	0.935	0.515	1.294	1.620
	RELATIVE RISK		1.000		1.062	0.698	0.914	0.503	1.265	1.584
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4049	0.8789	0.8677	0.9201	0.3975	0.1812	0.6156	0.6630	0.5962	0.1446
TREND.										0.4195
1950-54	OBS.	119	26	50	28	5	7	0	2	1
EXP.			25.5	42.3	23.6	9.4	9.3	4.8	1.8	2.4
	OBS./EXP.		1.020	1.181	1.197	0.531	0.750	0.000	1.081	0.419
	RELATIVE RISK		1.000		1.068	0.474	0.669	0.000	0.965	0.374
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4666	0.9021	0.8124	0.9649	0.5568	0.8186	0.6715	0.9554	0.9539	0.1499
TREND.										0.9885
1955-58	OBS.	80	17	23	15	4	7	3	1	5
EXP.			17.0	28.5	16.1	6.4	6.1	3.1	1.2	1.5
	OBS./EXP.		0.997	0.984	0.931	0.624	1.154	0.973	0.811	3.129
	RELATIVE RISK		1.000		0.942	0.631	1.167	0.984	0.820	3.164
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.5846	0.7815	0.4506	0.5603	0.6244	0.0642	0.6275	0.2713	0.2524	0.2950
TREND.										0.0319
1959-62	OBS.	56	12	22	12	3	5	0	0	2
EXP.			11.8	20.1	11.5	4.6	4.1	2.0	0.8	1.1
	OBS./EXP.		1.017	1.097	1.046	0.653	1.221	0.000	0.000	1.806
	RELATIVE RISK		1.000		0.980	0.612	1.145	0.000	0.000	1.693
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.5608	0.7733	0.4303	0.8979	0.8360	0.3889	0.6610	0.6960	0.3203	0.7103
TREND.										0.6701
1963-66	OBS.	44	6	16	10	3	4	2	3	0
EXP.			9.3	15.8	8.9	3.5	3.3	1.7	0.7	0.8
	OBS./EXP.		0.648	1.013	1.127	0.851	1.208	1.160	4.336	0.000
	RELATIVE RISK		1.000		1.293	0.969	1.376	1.321	4.937	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.3731	0.5517	0.4442	0.3898	0.0566	0.8270	0.4120	0.2646	0.2881	0.1833
TREND.										0.2371
1967-70	OBS.	18	3	6	4	3	0	0	0	2
EXP.			3.8	6.6	3.6	1.4	1.3	0.7	0.3	0.3
	OBS./EXP.		0.795	0.905	1.108	2.117	0.000	0.000	0.000	6.049
	RELATIVE RISK		1.000		1.280	2.447	0.000	0.000	0.000	6.992
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4130	0.2759	0.8546	0.8146	0.7823	0.0776	0.3279	0.5562	0.4165	0.0794
TREND.										0.0869
1971-74	OBS.	20	1	8	5	2	2	2	0	0
EXP.			4.5	6.8	3.9	1.7	1.6	0.8	0.3	0.4
	OBS./EXP.		0.222	1.178	1.240	1.198	1.223	2.450	0.000	0.000
	RELATIVE RISK		1.000		1.618	1.504	1.554	3.074	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.3909	0.3772	0.3783	0.2794	0.7882	0.7931	0.3450	0.3977	0.3850	0.5556
TREND.										0.4404
1975-78	OBS.	10	3	4	1	0	0	0	1	1
EXP.			2.4	3.2	1.8	0.9	0.9	0.4	0.2	0.2
	OBS./EXP.		1.247	1.251	0.569	0.000	0.000	0.000	5.058	4.792
	RELATIVE RISK		1.000		0.456	0.000	0.000	0.000	4.049	3.836
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.7809	0.8567	0.8552	0.8172	0.2696	0.2715	0.8595	0.5815	0.3912	0.2406
TREND.										0.1447

TABLE 30-1 CEREBROVASCULAR DISEASE

TABLE 30-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	5108	2066	1443	985	270	187	74	40	43		
TOTAL	EXP.		2051.6	1431.8	995.5	287.1	185.1	75.7	34.2	47.0		
	OBS./EXP.		1.007	1.008	0.989	0.941	1.010	0.977	1.168	0.916		
	RELATIVE RISK		1.000	1.001	0.983	0.934	1.003	0.970	1.160	0.909		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.6454	0.6991	0.4141	0.5048	0.2342	0.6159	0.7082	0.4517	0.3904	0.9105	0.6167
1950-54	OBS.	509	227	145	90	14	24	2	3	4		
	EXP.		204.5	144.4	99.7	27.7	16.9	6.4	3.0	4.4		
	OBS./EXP.		1.099	1.004	0.902	0.506	1.418	0.311	1.012	0.918		
	RELATIVE RISK		1.000	0.913	0.921	0.460	1.290	0.283	0.921	0.835		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.8794	0.9778	0.1978	0.9193	0.5210	0.5903	0.9444	0.4810	0.3779	0.0248	0.8205
1955-58	OBS.	641	245	184	143	30	20	7	5	7		
	EXP.		256.4	181.5	125.9	36.1	22.4	9.0	4.0	5.7		
	OBS./EXP.		0.956	1.014	1.135	0.231	0.894	0.777	1.237	1.238		
	RELATIVE RISK		1.000	1.061	1.188	0.809	0.935	0.813	1.295	1.296		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.1232	0.7314	0.6267	0.6814	0.4588	0.4130	0.2129	0.6534	0.3546	0.6347	0.4426
1959-62	OBS.	699	277	206	131	37	28	7	8	5		
	EXP.		281.3	195.3	136.2	40.6	24.8	9.9	4.6	6.2		
	OBS./EXP.		0.985	1.055	0.942	0.911	1.128	0.704	1.744	0.805		
	RELATIVE RISK		1.000	1.071	0.977	0.925	1.146	0.715	1.771	0.817		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.6248	0.6157	0.3735	0.7736	0.1622	0.6724	0.6334	0.5299	0.3405	0.6248	0.5054
1963-66	OBS.	826	295	246	143	63	32	12	8	7		
	EXP.		326.2	232.6	161.9	47.4	30.9	13.2	5.9	7.9		
	OBS./EXP.		0.904	1.058	1.007	1.330	1.037	0.906	1.366	0.885		
	RELATIVE RISK		1.000	1.169	1.113	1.471	1.147	1.002	1.508	0.979		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.2199	0.0139	0.3049	0.4568	0.2193	0.4543	0.0625	0.3408	0.2954	0.1664	0.2667
1967-70	OBS.	836	327	246	167	46	28	13	6	3		
	EXP.		338.4	231.2	162.0	47.3	30.8	13.3	5.5	7.7		
	OBS./EXP.		0.966	1.064	1.031	0.973	0.910	0.981	1.086	0.392		
	RELATIVE RISK		1.000	1.101	1.067	1.007	0.942	1.015	1.124	0.405		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.3542	0.4779	0.4800	0.4591	0.4895	0.8783	0.4105	0.4444	0.7480	0.5899	0.9131
1971-74	OBS.	825	366	207	148	48	29	15	5	7		
	EXP.		334.4	225.6	160.6	45.7	30.2	12.8	5.4	7.2		
	OBS./EXP.		1.094	0.905	0.922	1.050	0.961	1.167	0.928	0.974		
	RELATIVE RISK		1.000	0.827	0.862	0.959	0.878	1.067	0.848	0.890		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.9093	0.5847	0.6702	0.4623	0.6697	0.6308	0.8817	0.5983	0.6866	0.4433	0.5224
1975-78	OBS.	772	329	209	143	32	26	18	5	10		
	EXP.		310.7	215.3	149.9	42.7	29.4	11.8	5.5	6.4		
	OBS./EXP.		1.059	0.971	0.954	0.747	0.885	1.526	0.903	1.509		
	RELATIVE RISK		1.000	0.916	0.901	0.707	0.836	1.441	0.853	1.425		
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.		
	PROB.	0.7609	0.8793	0.6735	0.1178	0.5856	0.1981	0.8611	0.4526	0.2837	0.1962	0.1525

TABLE 30-2 CEREbroVASCULAR DISEASE

TABLE 30-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-76 TOTAL	OBS. EXP.	15	3 5.4	5 4.8	5 3.2	0 0.8	0 0.4	2 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.554 1.000	1.052 1.901	1.574 2.844	0.000 0.000	0.000 0.000	8.911 16.099	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.1900	A=D? 0.7942	A=E? 0.7786	A=F? 0.0154	A=G? 0.7639	A=H? 0.7649	A=CD? 0.2570	A=EF? 0.1544	A=GH? 0.7684	HOMO. 0.0123	TREND. 0.1523
1950-54	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X	HOMO. X	TREND. X
1955-58	OBS. EXP.	2	0 0.9	1 0.5	0 0.4	0 0.1	0 0.0	1 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	1.899 X	0.000 X	0.000 X	0.000 X	55.602 X	0.000 X	0.000 X		
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? 0.2398	A=G? X	A=H? X	A=CD? X	A=EF? 0.2398	A=GH? X	HOMO. 0.0000	TREND. 0.0030
1959-62	OBS. EXP.	0	0	0	0	0	0	0	0	0		
	OBS./EXP. RELATIVE R											
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? X	A=EF? X	A=GH? X	HOMO. X	TREND. X
1963-66	OBS. EXP.	1	0 0.2	0 0.4	0 0.3	0 0.1	0 0.0	1 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	0.000 X	0.000 X	0.000 X	0.000 X	44.877 X	0.000 X	0.000 X		
	TEST PROB.	A=C? X	A=D? X	A=E? X	A=F? 0.2398	A=G? X	A=H? X	A=CD? X	A=EF? 0.2398	A=GH? X	HOMO. 0.0000	TREND. 0.0049
1967-70	OBS. EXP.	2	0 0.4	1 0.8	1 0.5	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	1.274 X	1.971 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	A=C? 0.2398	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? 0.2398	A=EF? X	A=GH? X	HOMO. 0.9899	TREND. 0.5301
1971-74	OBS. EXP.	2	0 0.7	1 0.7	1 0.4	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0		
	OBS./EXP. RELATIVE RISK		0.000 X	1.529 X	2.251 X	0.000 X	0.000 X	0.000 X	0.000 X	0.000 X		
	TEST PROB.	A=C? 0.2398	A=D? X	A=E? X	A=F? X	A=G? X	A=H? X	A=CD? 0.2398	A=EF? X	A=GH? X	HOMO. 0.9677	TREND. 0.5657
1975-78	OBS. EXP.	8	3 3.2	2 2.4	3 1.6	0 0.4	0 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		0.934 1.000	0.836 0.895	1.869 2.002	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	A=C? 0.4432	A=D? 0.7943	A=E? 0.7785	A=F? 0.7681	A=G? 0.7638	A=H? 0.7649	A=CD? 0.3995	A=EF? 0.7855	A=GH? 0.7683	HOMO. 0.9552	TREND. 0.7108

TABLE 30-3 CEREBROVASCULAR DISEASE

TABLE 30-3

MIYOSHIWA + NAGASAKI, MALE + FEMALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	70	25	21	11	4	2	2	1	1
TOTAL	EXP.		25.8	21.8	11.1	3.4	3.3	1.6	0.7	1.0
	OBS./EXP.		1.044	0.961	0.989	1.167	0.572	1.273	1.402	0.989
	RELATIVE RISK		1.000	0.921	0.947	1.117	0.548	1.219	1.343	0.947
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5729	0.4239	0.7297	0.4031	0.3667	0.4732	0.5361	0.6666	0.4148
1950-54	OBS.	3	2	0	0	1	0	0	0	0
	EXP.		1.4	0.9	0.5	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.429	0.000	0.000	9.321	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	6.325	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8445	0.2579	0.7811	0.7692	0.7667	0.7684	0.3861	0.7888	0.7744
1955-58	OBS.	2	2	0	0	0	0	0	0	0
	EXP.		0.9	0.6	0.3	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		2.202	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8447	0.7857	0.7811	0.7692	0.7667	0.7685	0.8587	0.7888	0.7744
1959-62	OBS.	4	0	1	3	0	0	0	0	0
	EXP.		1.8	1.1	0.6	0.2	0.1	0.1	0.0	0.0
	OBS./EXP.		0.000	0.880	4.685	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0663	X	X	X	X	X	0.0747	X	0.1409
1963-66	OBS.	7	2	1	3	1	0	0	0	0
	EXP.		2.7	2.2	1.1	0.3	0.3	0.2	0.1	0.1
	OBS./EXP.		0.750	0.452	2.698	2.949	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	0.602	3.598	3.931	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2686	0.2748	0.7809	0.7691	0.7667	0.7684	0.2529	0.7888	0.7744
1967-70	OBS.	11	3	7	1	0	0	0	0	0
	EXP.		4.5	3.5	1.7	0.5	0.5	0.2	0.1	0.2
	OBS./EXP.		0.673	2.005	0.596	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000	2.977	0.885	0.000	0.000	0.000	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4963	0.7917	0.7865	0.7719	0.7683	0.7714	0.6330	0.7962	0.7788
1971-74	OBS.	20	9	4	3	0	1	1	1	1
	EXP.		6.6	6.5	3.2	1.2	1.3	0.6	0.2	0.3
	OBS./EXP.		1.360	0.614	0.924	0.000	0.770	1.691	4.370	3.019
	RELATIVE RISK		1.000	0.451	0.679	0.000	0.566	1.243	3.212	2.219
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7614	0.8981	0.7524	0.5709	0.2891	0.3054	0.8568	0.7019	0.4842
1975-78	OBS.	23	10	8	1	2	1	1	0	0
	EXP.		9.0	7.0	3.7	1.1	1.1	0.5	0.2	0.3
	OBS./EXP.		1.309	1.143	0.271	1.777	0.881	1.950	0.000	0.000
	RELATIVE RISK		1.000	1.030	0.243	1.603	0.798	1.759	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8690	0.4038	0.3398	0.2932	0.7820	0.7863	0.7552	0.3229	0.8045

TABLE 30-4 CEREBROVASCULAR DISEASE

TABLE 30-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	272	110	75	42	14	11	7	5	8
	EXP.		103.2	78.2	48.1	16.1	12.9	8.6	3.2	3.7
	OBS./EXP. RELATIVE RISK		1.064	0.959	0.873	0.867	0.850	1.065	1.586	2.155
			1.000	0.900	0.819	0.814	0.797	0.999	1.488	2.022
	TEST PROB.	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.8095	0.6987	0.7603	0.4863	0.3591	0.1157	0.8213	0.7364	0.1017
									0.3315	0.0394
1950-54	OBS. EXP.	6	1	3	1	0	0	0	1	0
			1.9	1.9	1.2	0.4	0.3	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.520	1.575	0.848	0.000	0.000	0.000	13.859	0.000
			1.000	3.027	1.630	0.000	0.000	0.000	26.627	0.000
	TEST PROB.	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.3408	0.7844	0.7735	0.7655	0.2427	0.7654	0.4037	0.7784	0.2478
									0.0505	0.2921
1955-58	OBS. EXP.	11	2	3	2	1	0	0	0	1
			3.5	3.4	2.0	0.7	0.7	0.3	0.2	0.2
	OBS./EXP. RELATIVE RISK		0.569	1.452	1.002	1.384	0.000	0.000	0.000	5.640
			1.000	2.550	1.760	2.431	0.000	0.000	0.000	9.904
	TEST PROB.	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.3575	0.2768	0.7833	0.7715	0.7661	0.2488	0.4039	0.7929	0.2562
									0.0649	0.1650
1959-62	OBS. EXP.	25	6	10	4	1	3	1	0	0
			9.3	7.1	4.4	1.6	1.3	0.7	0.3	0.4
	OBS./EXP. RELATIVE RISK		0.647	1.414	0.914	0.630	2.290	1.436	0.000	0.000
			1.000	2.186	1.413	0.974	3.525	2.220	0.000	0.000
	TEST PROB.	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.4163	0.3408	0.1919	0.2578	0.7716	0.7775	0.4231	0.1386	0.7876
									0.5729	0.5123
1963-66	OBS. EXP.	36	10	11	6	3	2	2	2	0
			13.2	10.6	6.4	2.2	1.8	1.0	0.5	0.5
	OBS./EXP. RELATIVE RISK		0.760	1.041	0.944	1.389	1.096	2.077	4.427	0.000
			1.000	1.371	1.244	1.828	1.443	2.734	5.829	0.000
	TEST PROB.	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.4387	0.3853	0.3790	0.3944	0.1280	0.8037	0.3589	0.4407	0.3523
									0.3062	0.1310
1967-70	OBS. EXP.	44	19	9	9	4	1	1	1	0
			16.9	12.6	7.9	2.6	2.0	1.0	0.5	0.6
	OBS./EXP. RELATIVE RISK		1.121	0.716	1.140	1.556	0.505	1.025	2.090	0.000
			1.000	0.639	1.017	1.388	0.450	0.914	1.864	0.000
	TEST PROB.	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.5858	0.4165	0.8372	0.6860	0.3733	0.8384	0.4564	0.8059	0.7207
									0.7931	0.6195
1971-74	OBS. EXP.	60	25	19	9	4	0	0	0	3
			23.2	17.2	10.6	3.5	2.7	1.3	0.7	0.8
	OBS./EXP. RELATIVE RISK		1.076	1.108	0.849	1.150	0.000	0.000	0.000	3.781
			1.000	1.030	0.789	1.069	0.000	0.000	0.000	3.513
	TEST PROB.	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.7121	0.4394	0.9331	0.8828	0.8345	0.1540	0.8721	0.9605	0.3969
									0.1122	0.3489
1975-78	OBS. EXP.	90	47	18	11	1	5	3	1	4
			35.1	25.6	15.7	5.2	4.1	2.0	1.0	1.2
	OBS./EXP. RELATIVE RISK		1.337	0.703	0.700	0.191	1.225	1.489	0.976	3.390
			1.000	0.526	0.524	0.143	0.916	1.114	0.730	2.535
	TEST PROB.	A=C?	A=0?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?
		0.9322	0.9554	0.6288	0.4353	0.6505	0.1463	0.9749	0.6289	0.2626
									0.0093	0.0376

TABLE 30-5 CEREBROVASCULAR DISEASE

TABLE 30-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	1821	711	502	359	107	76	35	19	14
	EXP.		718.4	502.8	353.9	102.3	77.5	30.4	14.3	21.0
	OBS./EXP. RELATIVE RISK		0.990 1.000	0.999 1.009	1.014 1.025	1.041 1.052	0.955 0.965	1.153 1.165	1.330 1.344	0.666 0.673
	TEST PROB.	A=C? 0.3758	A=0? 0.3068	A=E? 0.5542	A=F? 0.2277	A=G? 0.1699	A=H? 0.8405	A=CD? 0.3231	A=EF? 0.4049	A=GH? 0.5243
									HOMO. 0.6432	TREND. 0.6122
1950-54	OBS. EXP.	87	34 35.3	27 23.7	14 17.1	5 6.6	6 3.4	0 1.3	1 0.6	0 0.9
	OBS./EXP. RELATIVE RISK		0.962 1.000	1.140 1.185	0.820 0.852	1.076 1.118	1.781 1.852	0.000 0.000	1.570 1.632	0.000 0.000
	TEST PROB.	A=C? 0.6820	A=0? 0.4466	A=E? 0.1663	A=F? 0.8353	A=G? 0.2972	A=H? 0.6190	A=CD? 0.6102	A=EF? 0.3179	A=GH? 0.5741
									HOMO. 0.5573	TREND. 0.6900
1955-58	OBS. EXP.	155	54 59.4	34 43.7	47 30.2	8 9.0	7 6.8	2 2.7	2 1.4	1 2.0
	OBS./EXP. RELATIVE RISK		0.909 1.000	0.779 0.857	1.558 1.714	0.891 0.980	1.037 1.140	0.738 0.812	1.467 1.614	0.511 0.562
	TEST PROB.	A=C? 0.0323	A=0? 0.5977	A=E? 0.5212	A=F? 0.6918	A=G? 0.3862	A=H? 0.7746	A=CD? 0.0563	A=EF? 0.5901	A=GH? 0.6624
									HOMO. 0.0690	TREND. 0.5509
1959-62	OBS. EXP.	195	77 76.5	61 54.2	23 37.5	16 11.1	4 8.5	2 3.3	5 1.5	2 2.3
	OBS./EXP. RELATIVE RISK		1.006 1.000	1.126 1.119	0.746 0.742	1.437 1.429	0.473 0.470	0.609 0.605	3.223 3.209	0.856 0.851
	TEST PROB.	A=C? 0.5588	A=0? 0.1942	A=E? 0.3902	A=F? 0.7797	A=G? 0.0664	A=H? 0.6353	A=CD? 0.6612	A=EF? 0.9117	A=GH? 0.1988
									HOMO. 0.0246	TREND. 0.4033
1963-66	OBS. EXP.	272	96 103.5	77 76.8	56 52.3	17 16.0	13 12.5	6 5.0	3 2.3	4 3.5
	OBS./EXP. RELATIVE RISK		0.929 1.000	1.003 1.081	1.070 1.154	1.061 1.143	1.037 1.118	1.191 1.234	1.317 1.420	1.135 1.224
	TEST PROB.	A=C? 0.2818	A=0? 0.3533	A=E? 0.4726	A=F? 0.3817	A=G? 0.4590	A=H? 0.4309	A=CD? 0.2487	A=EF? 0.3622	A=GH? 0.3660
									HOMO. 0.9850	TREND. 0.2133
1967-70	OBS. EXP.	323	127 128.2	91 87.8	55 62.1	24 18.5	14 14.3	8 5.6	3 2.5	1 3.8
	OBS./EXP. RELATIVE RISK		0.991 1.000	1.036 1.045	0.885 0.893	1.295 1.306	0.977 0.985	1.419 1.432	1.129 1.200	0.261 0.263
	TEST PROB.	A=C? 0.6646	A=0? 0.1912	A=E? 0.4629	A=F? 0.1763	A=G? 0.4612	A=H? 0.8496	A=CD? 0.5641	A=EF? 0.2688	A=GH? 0.6775
									HOMO. 0.5630	TREND. 0.6439
1971-74	OBS. EXP.	369	155 140.9	92 101.9	72 72.5	20 20.1	17 15.2	9 6.0	3 2.6	1 3.8
	OBS./EXP. RELATIVE RISK		1.055 1.000	0.903 0.856	0.993 0.942	0.995 0.943	1.120 1.061	1.507 1.429	1.159 1.099	0.261 0.247
	TEST PROB.	A=C? 0.6341	A=0? 0.5729	A=E? 0.4498	A=F? 0.2819	A=G? 0.4250	A=H? 0.8913	A=CD? 0.6219	A=EF? 0.3084	A=GH? 0.8113
									HOMO. 0.6126	TREND. 0.6154
1975-78	OBS. EXP.	420	168 170.0	120 115.0	87 81.9	17 22.9	13 17.2	8 6.3	2 2.8	5 3.9
	OBS./EXP. RELATIVE RISK		0.988 1.000	1.044 1.056	1.062 1.075	0.743 0.752	0.757 0.766	1.287 1.283	0.713 0.722	1.279 1.294
	TEST PROB.	A=C? 0.3451	A=0? 0.7777	A=E? 0.7658	A=F? 0.3287	A=G? 0.6522	A=H? 0.3864	A=CD? 0.4792	A=EF? 0.6516	A=GH? 0.4704
									HOMO. 0.7649	TREND. 0.5527

TABLE 30-6 CEREBROVASCULAR DISEASE

TABLE 30-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	2930	1214	840	563	165	100	28	15	20
TOTAL	EXP.		1197.8	824.2	579.2	163.9	90.7	37.0	16.0	21.1
	OBS./EXP.		1.014	1.019	0.981	0.884	1.102	0.757	0.938	0.950
	RELATIVE RISK		1.000	1.006	0.967	0.873	1.087	0.747	0.925	0.937
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7207	0.3388	0.2385	0.8521	0.5862	0.5575	0.8175	0.4724	0.5049
1950-54	OBS.	413	190	115	75	8	18	2	1	4
	EXP.		167.9	118.0	81.0	22.5	13.2	4.9	2.2	3.3
	OBS./EXP.		1.132	0.975	0.926	0.355	1.367	0.404	0.449	1.215
	RELATIVE RISK		1.000	0.861	0.818	0.314	1.208	0.357	0.396	1.073
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8624	0.9935	0.3379	0.8900	0.3055	0.4272	0.9725	0.5747	0.6661
1955-58	OBS.	471	187	144	94	21	13	4	3	5
	EXP.		191.6	133.3	93.1	26.3	14.9	5.9	2.5	3.5
	OBS./EXP.		0.976	1.080	1.010	0.800	0.874	0.676	1.202	1.435
	RELATIVE RISK		1.000	1.107	1.035	0.820	0.896	0.693	1.232	1.470
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4301	0.7566	0.6301	0.7331	0.4096	0.3447	0.5108	0.6879	0.3143
1959-62	OBS.	475	194	134	96	20	21	4	3	3
	EXP.		193.7	132.9	93.6	27.8	14.9	5.9	2.7	3.5
	OBS./EXP.		1.002	1.008	1.025	0.721	1.407	0.677	1.119	0.862
	RELATIVE RISK		1.000	1.006	1.024	0.719	1.405	0.676	1.117	0.861
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4894	0.8551	0.1989	0.7705	0.4232	0.6419	0.6647	0.3603	0.5671
1963-66	OBS.	510	187	157	98	42	17	3	3	3
	EXP.		206.7	142.7	101.9	28.4	16.1	7.1	3.1	3.7
	OBS./EXP.		0.905	1.100	0.962	1.460	1.055	0.424	0.982	0.801
	RELATIVE RISK		1.000	1.216	1.063	1.613	1.106	0.469	1.085	0.835
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3848	0.0149	0.3337	0.8450	0.4114	0.5589	0.1297	0.5346	0.4442
1967-70	OBS.	454	178	138	101	18	13	4	2	2
	EXP.		188.4	126.5	89.7	25.6	13.9	6.4	2.4	3.0
	OBS./EXP.		0.945	1.091	1.125	0.704	0.934	0.625	0.832	0.656
	RELATIVE RISK		1.000	1.155	1.191	0.745	0.989	0.652	0.880	0.694
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2103	0.8136	0.4605	0.7391	0.5896	0.6907	0.3708	0.5555	0.6695
1971-74	OBS.	374	177	91	63	24	11	5	1	2
	EXP.		157.0	102.4	73.8	20.9	10.9	4.9	1.9	2.2
	OBS./EXP.		1.127	0.889	0.853	1.151	1.009	1.019	0.530	0.904
	RELATIVE RISK		1.000	0.783	0.752	1.021	0.895	0.994	0.470	0.802
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9286	0.4679	0.5986	0.5915	0.7808	0.6506	0.8391	0.6037	0.7574
1975-78	OBS.	231	101	61	41	12	7	6	2	1
	EXP.		93.3	65.4	47.0	13.1	6.8	2.9	1.4	1.2
	OBS./EXP.		1.083	0.933	0.872	0.915	1.033	2.099	1.395	0.852
	RELATIVE RISK		1.000	0.861	0.805	0.845	0.954	1.938	1.289	0.737
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8175	0.5175	0.4545	0.0937	0.3820	0.5452	0.8193	0.1953	0.4079

TABLE 30-7 CEREBROVASCULAR DISEASE

TABLE 30-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

		T=65 TOTAL DOSE IN RAD									
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H	
1950-78	OBS.	2492	971	727	460	121	115	45	24	29	
TOTAL	EXP.		980.7	700.5	463.3	145.1	110.3	42.8	19.3	30.0	
	OBS./EXP.		0.990	1.038	0.993	0.834	1.042	1.051	1.244	0.967	
	RELATIVE RISK		1.000	1.048	1.003	0.842	1.053	1.062	1.257	0.976	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4830	0.8486	0.2873	0.3326	0.2001	0.4745	0.6520	0.2504	0.2818	0.4605	0.4186
1950-54	OBS.	255	110	75	46	6	15	0	0	3	
EXP.			102.8	72.5	48.3	13.6	9.9	3.5	1.6	2.8	
	OBS./EXP.		1.070	1.034	0.952	0.442	1.511	0.000	0.000	1.063	
	RELATIVE RISK		1.000	0.966	0.889	0.413	1.412	0.000	0.000	0.993	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.6828	0.9318	0.1805	0.9291	0.5698	0.4270	0.8377	0.4367	0.7212	0.0775	0.8769
1955-58	OBS.	331	127	94	72	12	11	7	4	4	
EXP.			130.6	93.7	62.4	19.0	13.9	5.4	2.4	3.9	
	OBS./EXP.		0.974	1.004	1.154	0.631	0.793	1.307	1.674	1.031	
	RELATIVE RISK		1.000	1.031	1.185	0.648	0.814	1.342	1.719	1.055	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.2614	0.8598	0.7115	0.3347	0.3527	0.4478	0.4026	0.4823	0.4032	0.4924	0.3668
1959-62	OBS.	360	143	100	66	20	19	6	4	2	
EXP.			142.3	100.9	66.6	21.8	15.7	5.8	2.7	4.2	
	OBS./EXP.		1.005	0.991	0.991	0.918	1.214	1.028	1.493	0.474	
	RELATIVE RISK		1.000	0.987	0.986	0.914	1.208	1.023	1.486	0.471	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.6201	0.6136	0.3477	0.5358	0.3972	0.8274	0.6251	0.3997	0.6372	0.9082	0.5957
1963-66	OBS.	436	152	139	74	30	23	7	5	6	
EXP.			169.0	122.2	81.5	26.5	19.8	8.0	3.5	5.4	
	OBS./EXP.		0.899	1.138	0.908	1.131	1.161	0.877	1.420	1.104	
	RELATIVE RISK		1.000	1.265	1.010	1.257	1.291	0.976	1.580	1.228	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4538	0.1775	0.1961	0.4471	0.2780	0.4145	0.3025	0.2365	0.2473	0.4541	0.2331
1967-70	OBS.	416	153	135	77	21	16	8	3	3	
EXP.			161.6	115.6	78.0	25.3	19.4	7.9	3.2	5.1	
	OBS./EXP.		0.947	1.168	0.988	0.832	0.827	1.008	0.940	0.557	
	RELATIVE RISK		1.000	1.234	1.043	0.878	0.873	1.065	0.993	0.620	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4333	0.6681	0.6134	0.4649	0.4311	0.7453	0.5189	0.4834	0.6768	0.5354	0.2835
1971-74	OBS.	355	143	92	70	19	16	7	3	5	
EXP.			140.0	97.7	66.3	20.0	16.4	6.7	2.8	4.2	
	OBS./EXP.		1.021	0.942	1.056	0.910	0.974	1.050	1.053	1.190	
	RELATIVE RISK		1.000	0.922	1.034	0.891	0.954	1.028	1.031	1.165	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.4540	0.5403	0.5331	0.4657	0.4793	0.6347	0.4806	0.4364	0.4467	0.9951	0.3778
1975-78	OBS.	339	143	92	55	13	15	10	5	6	
EXP.			134.1	94.5	62.0	19.7	16.0	6.2	3.0	3.5	
	OBS./EXP.		1.066	0.973	0.887	0.660	0.937	1.608	1.632	1.736	
	RELATIVE RISK		1.000	0.913	0.832	0.619	0.879	1.509	1.578	1.628	
TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=CD?	A=EF?	A=GH?	HOMO.	TREND.
PROB.	0.7854	0.3634	0.5783	0.1446	0.2496	0.1909	0.3759	0.3285	0.0997	0.2150	0.0471

TABLE 30-3 CEREBROVASCULAR DISEASE

TABLE 30-8

MIYOSHIKAWA + MAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2616	1095	716	525	149	72	29	16	14
TOTAL	EXP.	1070.9	731.2	532.2	142.0	74.8	32.9	15.0	17.0	
	OBS./EXP.	1.022	0.979	0.986	1.050	0.763	0.881	1.070	0.825	
	RELATIVE RISK	1.000	0.958	0.965	1.026	0.942	0.861	1.046	0.807	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7174	0.4077	0.6412	0.7277	0.4720	0.7257	0.6362	0.7318	0.7849
1950-54	OBS.	254	117	70	44	8	9	2	3	1
	EXP.	103.7	71.9	51.4	14.1	7.0	3.0	1.4	1.5	
	OBS./EXP.	1.128	0.973	0.855	0.568	1.236	0.678	2.201	0.652	
	RELATIVE RISK	1.000	0.863	0.758	0.504	1.140	0.601	1.951	0.573	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8910	0.9273	0.4711	0.7547	0.3201	0.7047	0.9469	0.5809	0.5631
1955-58	OBS.	310	118	90	71	19	9	0	1	3
	EXP.	124.0	87.8	63.5	17.1	8.5	3.7	1.7	1.8	
	OBS./EXP.	0.937	1.025	1.118	1.053	1.059	0.000	0.605	1.694	
	RELATIVE RISK	1.000	1.094	1.193	1.124	1.131	0.000	0.646	1.808	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1689	0.4688	0.4510	0.9368	0.7054	0.3869	0.2045	0.7408	0.5319
1959-62	OBS.	339	134	106	65	17	9	1	4	3
	EXP.	139.0	94.5	69.6	18.8	9.2	4.1	1.9	2.0	
	OBS./EXP.	0.764	1.122	0.935	0.902	0.982	0.244	2.097	1.506	
	RELATIVE RISK	1.000	1.164	0.969	0.936	1.019	0.253	2.174	1.562	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5743	0.3745	0.4755	0.8822	0.1964	0.4325	0.5808	0.7316	0.3425
1963-66	OBS.	390	143	107	89	33	9	5	3	1
	EXP.	157.2	110.4	80.4	20.2	11.0	5.3	2.3	2.3	
	OBS./EXP.	0.910	0.969	1.106	1.584	0.815	0.950	1.280	0.404	
	RELATIVE RISK	1.000	1.065	1.216	1.741	0.895	1.044	1.406	0.444	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1818	0.0138	0.6468	0.4429	0.4610	0.7737	0.0349	0.6286	0.5379
1967-70	OBS.	420	174	111	90	25	12	5	3	0
	EXP.	176.8	115.6	84.0	22.0	11.4	5.3	2.3	2.6	
	OBS./EXP.	0.984	0.960	1.071	1.135	1.051	0.939	1.285	0.000	
	RELATIVE RISK	1.000	0.975	1.088	1.153	1.062	0.954	1.305	0.000	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3825	0.3526	0.4458	0.4498	0.4220	0.9017	0.3708	0.4195	0.7381
1971-74	OBS.	470	223	115	78	29	13	8	2	2
	EXP.	194.4	130.9	94.3	24.4	13.8	6.2	2.5	3.0	
	OBS./EXP.	1.147	0.878	0.327	1.167	0.945	1.296	0.787	0.669	
	RELATIVE RISK	1.000	0.766	0.721	1.018	0.824	1.128	0.687	0.583	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9712	0.4796	0.7218	0.4463	0.7328	0.7788	0.9435	0.5379	0.3103
1975-78	OBS.	433	186	117	88	19	11	8	0	4
	EXP.	176.5	120.8	87.9	23.0	13.4	5.6	2.6	3.2	
	OBS./EXP.	1.054	0.968	1.001	0.525	0.822	1.434	0.000	1.261	
	RELATIVE RISK	1.000	0.919	0.950	0.783	0.781	1.361	0.000	1.197	
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6194	0.7474	0.7000	0.3301	0.9113	0.4342	0.6263	0.5726	0.7390

TABLE 30-9 CEREBROVASCULAR DISEASE

TABLE 30-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD									
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H	
1950-78 TOTAL	OBS. EXP.	4016 1827.9	1863 1827.9	1022 1027.9	224 753.1	199 201.8	117 116.7	39 41.6	22 19.3	30 27.6	
	OBS./EXP. RELATIVE RISK		1.019 1.000	0.994 0.975	0.961 0.943	0.986 0.967	1.002 0.984	0.937 0.919	1.141 1.119	1.086 1.065	
	TEST PROB.	A=C? 0.8323	A=D? 0.6315	A=E? 0.5557	A=F? 0.6629	A=G? 0.3899	A=H? 0.4353	A=I? 0.8293	A=J? 0.6225	HOMO. 0.3578	TREND. 0.3916
1950-54	OBS. EXP.	411 187.5	211 187.5	107 106.5	63 75.9	11 20.7	15 11.7	0 4.0	2 1.9	2 2.8	
	OBS./EXP. RELATIVE RISK		1.126 1.000	1.004 0.892	0.830 0.737	0.532 0.473	1.285 1.141	0.000 0.000	1.034 0.919	0.706 0.627	
	TEST PROB.	A=C? 0.9399	A=D? 0.9667	A=E? 0.4085	A=F? 0.9516	A=G? 0.5858	A=H? 0.7367	A=I? 0.9208	A=J? 0.6929	HOMO. 0.7049	TREND. 0.0367
1955-58	OBS. EXP.	502 228.8	216 228.8	126 129.2	111 93.5	22 25.5	13 14.2	7 5.0	2 2.3	5 3.3	
	OBS./EXP. RELATIVE RISK		0.944 1.000	0.975 1.033	1.187 1.257	0.863 0.914	0.914 0.968	1.393 1.476	0.853 0.903	1.522 1.613	
	TEST PROB.	A=C? 0.0897	A=D? 0.6369	A=E? 0.5574	A=F? 0.2980	A=G? 0.5959	A=H? 0.3000	A=I? 0.1495	A=J? 0.4286	HOMO. 0.3709	TREND. 0.1716
1959-62	OBS. EXP.	557 252.9	248 252.9	155 142.5	94 104.0	31 29.2	17 16.2	2 5.7	6 2.7	4 3.7	
	OBS./EXP. RELATIVE RISK		0.980 1.000	1.068 1.109	0.904 0.922	1.042 1.083	1.048 1.069	0.350 0.357	2.208 2.252	1.087 1.108	
	TEST PROB.	A=C? 0.6993	A=D? 0.4161	A=E? 0.4852	A=F? 0.8889	A=G? 0.1137	A=H? 0.4266	A=I? 0.6259	A=J? 0.6752	HOMO. 0.1867	TREND. 0.2664
1963-66	OBS. EXP.	624 284.7	263 284.7	163 158.5	118 117.3	49 31.3	17 18.2	5 6.9	5 2.9	4 4.2	
	OBS./EXP. RELATIVE RISK		0.924 1.000	1.029 1.113	1.006 1.089	1.567 1.697	0.932 1.008	0.729 0.789	1.714 1.855	0.943 1.020	
	TEST PROB.	A=C? 0.3045	A=D? 0.0034	A=E? 0.4910	A=F? 0.4876	A=G? 0.2248	A=H? 0.4625	A=I? 0.0822	A=J? 0.8008	HOMO. 0.3111	TREND. 0.0485
1967-70	OBS. EXP.	650 298.3	295 298.3	177 164.0	117 122.4	25 32.4	21 18.6	10 7.0	3 2.9	2 4.5	
	OBS./EXP. RELATIVE RISK		0.989 1.000	1.079 1.091	0.956 0.967	0.772 0.780	1.131 1.144	1.420 1.436	1.034 1.045	0.468 0.453	
	TEST PROB.	A=C? 0.5967	A=D? 0.8091	A=E? 0.3762	A=F? 0.2510	A=G? 0.4324	A=H? 0.8323	A=I? 0.7076	A=J? 0.2494	HOMO. 0.7562	TREND. 0.5386
1971-74	OBS. EXP.	653 298.3	325 298.3	145 165.6	112 124.7	37 32.0	21 18.3	8 6.8	1 2.9	4 4.3	
	OBS./EXP. RELATIVE RISK		1.089 1.000	0.876 0.904	0.898 0.825	1.155 1.060	1.145 1.051	1.171 1.075	0.341 0.313	0.934 0.857	
	TEST PROB.	A=C? 0.9022	A=D? 0.4361	A=E? 0.4600	A=F? 0.4476	A=G? 0.8564	A=H? 0.6268	A=I? 0.8442	A=J? 0.4345	HOMO. 0.7988	TREND. 0.2506
1975-78	OBS. EXP.	619 277.8	305 277.8	149 160.2	109 118.8	24 30.5	13 18.4	7 6.2	3 3.0	9 3.9	
	OBS./EXP. RELATIVE RISK		1.098 1.000	0.920 0.847	0.917 0.836	0.786 0.716	0.706 0.644	1.134 1.033	0.985 0.898	2.256 2.082	
	TEST PROB.	A=C? 0.8808	A=D? 0.8850	A=E? 0.8801	A=F? 0.4552	A=G? 0.6210	A=H? 0.0892	A=I? 0.9293	A=J? 0.8355	HOMO. 0.1874	TREND. 0.0502

TABLE 30-10 CEREBROVASCULAR DISEASE

TABLE 30-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	1092	203	421	261	71	70	35	18	13
TOTAL	EXP.		223.7	403.8	242.5	85.2	68.4	34.1	15.0	19.3
	OBS./EXP.		0.907	1.043	1.076	0.833	1.024	1.026	1.204	0.673
	RELATIVE RISK		1.000	1.149	1.186	0.918	1.128	1.131	1.327	0.741
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1218	0.6983	0.2879	0.3533	0.2457	0.7931	0.2305	0.2595	0.5218
1950-54	OBS.	98	16	38	27	3	9	2	1	2
	EXP.		19.0	37.9	23.8	7.0	5.2	2.5	1.0	1.5
	OBS./EXP.		0.840	1.003	1.133	0.430	1.715	0.811	0.971	1.314
	RELATIVE RISK		1.000	1.193	1.349	0.512	2.040	0.965	1.155	1.563
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.3015	0.8391	0.1405	0.5355	0.3871	0.3975	0.4408	0.2044	0.4395
1955-58	OBS.	139	29	58	32	8	7	0	3	2
	EXP.		27.6	52.2	32.4	10.6	8.1	4.0	1.7	2.4
	OBS./EXP.		1.052	1.111	0.988	0.756	0.859	0.000	1.769	0.844
	RELATIVE RISK		1.000	1.056	0.939	0.717	0.817	0.000	1.682	0.803
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5804	0.7682	0.6729	0.9486	0.4229	0.4597	0.6694	0.8720	0.4256
1959-62	OBS.	142	29	51	37	6	11	5	2	1
	EXP.		25.4	52.8	32.2	11.4	8.6	4.2	1.9	2.5
	OBS./EXP.		1.022	0.966	1.151	0.524	1.280	1.184	1.069	0.395
	RELATIVE RISK		1.000	0.945	1.126	0.513	1.253	1.159	1.046	0.386
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4008	0.8244	0.3818	0.4411	0.4262	0.8134	0.5729	0.3621	0.7349
1963-68	OBS.	202	32	83	45	14	15	7	3	3
	EXP.		61.5	74.2	44.6	16.1	12.6	6.4	2.9	3.7
	OBS./EXP.		0.771	1.119	1.009	0.869	1.190	1.097	1.018	0.819
	RELATIVE RISK		1.000	1.452	1.309	1.128	1.544	1.423	1.321	1.063
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2663	0.4684	0.1938	0.3403	0.4093	0.4390	0.2858	0.1714	0.4408
1967-70	OBS.	186	32	69	50	21	7	3	3	1
	EXP.		40.1	67.2	39.6	14.9	12.2	6.2	2.6	3.2
	OBS./EXP.		0.798	1.027	1.263	1.411	0.574	0.483	1.143	0.313
	RELATIVE RISK		1.000	1.286	1.581	1.767	0.718	0.605	1.432	0.392
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.0968	0.0884	0.7678	0.7860	0.4207	0.8050	0.0631	0.8203	0.6251
1971-74	OBS.	172	41	62	36	11	8	7	4	3
	EXP.		36.1	63.1	35.9	13.7	11.8	8.0	2.5	2.9
	OBS./EXP.		1.136	0.983	1.302	0.805	0.674	1.163	1.626	1.032
	RELATIVE RISK		1.000	0.866	0.882	0.708	0.595	1.020	1.432	0.909
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6761	0.8023	0.8590	0.4664	0.4342	0.5999	0.7411	0.7872	0.4475
1975-78	OBS.	153	24	60	34	8	13	11	2	1
	EXP.		32.8	55.1	31.1	12.2	11.0	5.6	2.5	2.7
	OBS./EXP.		0.731	1.089	1.094	0.655	1.185	1.957	0.802	0.372
	RELATIVE RISK		1.000	1.489	1.496	0.696	1.620	2.676	1.097	0.508
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1780	0.6208	0.1836	0.0354	0.4400	0.7283	0.2560	0.0554	0.6804

TABLE 30-11 CEREBROVASCULAR DISEASE

TABLE 30-11

MIYOSHIMA, MALE, ALL AGES

YEAR	CLASS	T=65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	1895	851	508	327	84	71	23	11	20
TOTAL	EXP.		861.7	504.7	339.4	93.9	66.7	21.6	9.9	17.2
	OBS./EXP.		1.011	1.007	0.964	0.895	1.064	1.066	1.107	1.165
	RELATIVE RISK		1.000	0.996	0.953	0.885	1.053	1.054	1.095	1.152
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7076	0.7863	0.4012	0.4748	0.4774	0.3644	0.7787	0.3826	0.3454
1950-54	OBS.	206	103	55	32	5	10	0	0	1
	EXP.		91.9	55.4	36.6	9.9	7.1	2.2	1.0	1.9
	OBS./EXP.		1.121	0.993	0.874	0.506	1.407	0.000	0.000	0.536
	RELATIVE RISK		1.000	0.886	0.780	0.452	1.255	0.000	0.000	0.478
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8269	0.9147	0.3680	0.9070	0.8330	0.7701	0.9085	0.5653	0.8569
1955-58	OBS.	254	109	64	52	10	8	7	1	3
	EXP.		113.0	67.8	45.4	12.4	8.8	2.9	1.3	2.3
	OBS./EXP.		0.965	0.945	1.146	0.791	0.914	2.415	0.747	1.331
	RELATIVE RISK		1.000	0.979	1.188	0.820	0.947	2.505	0.774	1.330
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2534	0.6999	0.5781	0.0666	0.5514	0.4238	0.3456	0.2640	0.4234
1959-62	OBS.	280	123	78	44	17	12	1	3	2
	EXP.		124.1	74.4	49.8	14.7	10.0	3.2	1.5	2.4
	OBS./EXP.		0.991	1.049	0.884	1.157	1.202	0.315	2.003	0.829
	RELATIVE RISK		1.000	1.058	0.892	1.168	1.212	0.318	2.020	0.936
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7015	0.3774	0.3730	0.8502	0.3032	0.6267	0.6041	0.6949	0.4457
1963-66	OBS.	321	132	90	55	22	14	3	2	3
	EXP.		142.2	84.6	57.9	16.6	11.4	3.8	1.6	2.5
	OBS./EXP.		0.928	1.063	0.950	1.323	1.228	0.779	1.260	1.059
	RELATIVE RISK		1.000	1.145	1.024	1.425	1.322	0.840	1.358	1.160
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4900	0.1577	0.2842	0.6349	0.3837	0.4160	0.3126	0.3511	0.4554
1967-70	OBS.	303	131	92	52	9	11	5	1	2
	EXP.		134.4	79.4	55.1	15.7	10.6	3.6	1.5	2.9
	OBS./EXP.		0.975	1.159	0.944	0.573	1.042	1.392	0.682	0.700
	RELATIVE RISK		1.000	1.189	0.969	0.587	1.069	1.428	0.699	0.718
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5258	0.8785	0.4547	0.3711	0.6709	0.6949	0.7302	0.4030	0.7116
1971-74	OBS.	270	123	64	52	14	10	3	1	3
	EXP.		119.8	71.0	49.7	13.3	9.1	3.1	1.4	2.5
	OBS./EXP.		1.026	0.901	1.044	1.051	1.102	0.977	0.694	1.193
	RELATIVE RISK		1.000	0.878	1.020	1.024	1.074	0.952	0.676	1.162
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.4806	0.4668	0.4649	0.5710	0.7002	0.4139	0.4917	0.4590	0.5587
1975-78	OBS.	261	130	65	40	7	6	4	3	4
	EXP.		114.7	70.7	47.8	12.4	9.3	2.7	1.4	2.0
	OBS./EXP.		1.133	0.919	0.838	0.566	0.647	1.475	2.073	3.005
	RELATIVE RISK		1.000	0.811	0.739	0.499	0.571	1.302	1.830	2.652
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.8948	0.9217	0.8523	0.4521	0.3713	0.0698	0.9478	0.7681	0.0595

TABLE 30-12 CEREBROVASCULAR DISEASE

TABLE 30-12

HIROSHIMA, FEMALE, ALL AGES

		T-65 TOTAL CASE IN RAO								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	2121	1012	514	397	115	46	18	11	10
TOTAL	EXP.		986.2	523.3	413.7	108.0	50.0	20.0	9.4	10.5
	OBS./EXP.		1.026	0.982	0.960	1.065	0.920	0.778	1.176	0.956
	RELATIVE RISK		1.000	0.957	0.935	1.038	0.896	0.778	1.166	0.931
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7954	0.4078	0.7107	0.7842	0.4344	0.5998	0.7262	0.8003	0.4690
1950-54	OBS.	205	108	52	31	6	5	0	2	1
	EXP.		95.5	51.2	39.3	10.8	4.6	1.8	0.9	1.0
	OBS./EXP.		1.130	1.017	0.789	0.556	1.095	0.000	2.254	1.034
	RELATIVE RISK		1.000	0.899	0.698	0.491	0.968	0.000	2.003	0.915
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9059	0.9084	0.5514	0.8913	0.4698	0.5824	0.9508	0.7524	0.4393
1955-58	OBS.	248	107	62	59	12	5	0	1	2
	EXP.		115.8	61.5	48.2	12.9	5.5	2.1	1.0	1.0
	OBS./EXP.		0.924	1.008	1.225	0.933	0.914	0.000	0.993	1.941
	RELATIVE RISK		1.000	1.092	1.326	1.010	0.990	0.000	1.075	2.101
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.1221	0.4706	0.4729	0.8887	0.4176	0.4124	0.1531	0.7334	0.4093
1959-62	OBS.	277	125	77	50	14	5	1	3	2
	EXP.		128.3	68.2	54.2	14.5	6.2	2.5	1.2	1.3
	OBS./EXP.		0.970	1.129	0.922	0.966	0.801	0.393	2.461	1.378
	RELATIVE RISK		1.000	1.164	0.950	0.995	0.826	0.605	2.537	1.627
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.6053	0.5228	0.6638	0.8060	0.2165	0.3912	0.5935	0.7639	0.1867
1963-66	OBS.	303	131	73	63	27	3	2	3	1
	EXP.		142.5	73.8	59.4	14.6	6.8	3.0	1.3	1.4
	OBS./EXP.		0.919	0.989	1.060	1.845	0.438	0.664	2.254	0.709
	RELATIVE RISK		1.000	1.076	1.153	2.007	0.647	0.722	2.452	0.772
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.2716	0.0106	0.3523	0.6895	0.2291	0.6488	0.0790	0.8523	0.3595
1967-70	OBS.	347	164	85	65	16	10	5	2	0
	EXP.		163.9	84.6	67.3	16.7	8.0	3.5	1.4	1.6
	OBS./EXP.		1.001	1.004	0.966	0.959	1.248	1.449	1.394	0.000
	RELATIVE RISK		1.000	1.004	0.965	0.959	1.268	1.648	1.393	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.5816	0.5718	0.3630	0.3652	0.3836	0.8735	0.5904	0.2748	0.7173
1971-74	OBS.	383	202	81	60	23	11	5	0	1
	EXP.		178.5	94.5	75.0	14.7	9.3	3.8	1.5	1.8
	OBS./EXP.		1.132	0.857	0.800	1.228	1.187	1.329	0.000	0.566
	RELATIVE RISK		1.000	0.757	0.797	1.085	1.049	1.174	0.000	0.500
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.9596	0.4332	0.4555	0.4372	0.3788	0.7601	0.9179	0.4754	0.5775
1975-78	OBS.	358	175	84	69	17	7	3	0	3
	EXP.		163.1	89.5	71.1	18.2	9.1	3.5	1.6	1.9
	OBS./EXP.		1.073	0.938	0.971	0.937	0.767	0.866	0.000	1.546
	RELATIVE RISK		1.000	0.874	0.905	0.873	0.715	0.807	0.000	1.641
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND.
	PROB.	0.7062	0.6772	0.7644	0.6577	0.8808	0.4282	0.7315	0.7706	0.6896

TABLE 30-13 CEREBROVASCULAR DISEASE

TABLE 30-13

NAGASAKI, MALE, ALL AGES

YEAR CLASS		Y-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	397 139.0	120 139.0	219 195.8	133 124.0	37 51.2	44 43.6	22 21.2	13 9.4	9 12.8
	OBS./EXP. RELATIVE RISK		0.863 1.000	1.118 1.295	1.073 1.243	0.723 0.837	1.009 1.149	1.037 1.201	1.390 1.610	0.702 0.813
	TEST PROB.	A=C? 0.1282	A=D? 0.7701	A=E? 0.2901	A=F? 0.3254	A=G? 0.1520	A=H? 0.7010	A=I? 0.2691	A=J? 0.2477	HOMO. 0.3722
										TREND. 0.7135
1950-54	OBS. EXP.	49 10.9	7 10.9	20 17.1	14 11.7	1 3.7	5 2.8	0 1.3	0 0.6	2 1.0
	OBS./EXP. RELATIVE RISK		0.645 1.000	1.167 1.810	1.197 1.857	0.270 0.419	1.774 2.751	0.000 0.000	0.000 0.000	2.091 3.242
	TEST PROB.	A=C? 0.2131	A=D? 0.7946	A=E? 0.1495	A=F? 0.8368	A=G? 0.7966	A=H? 0.2923	A=I? 0.3215	A=J? 0.2915	HOMO. 0.4419
										TREND. 0.4056
1955-58	OBS. EXP.	77 17.4	18 17.4	30 25.9	20 17.0	2 6.4	3 5.1	0 2.5	3 1.1	1 1.6
	OBS./EXP. RELATIVE RISK		1.032 1.000	1.156 1.122	1.174 1.137	0.314 0.304	0.586 0.562	0.000 0.000	2.855 2.766	0.614 0.595
	TEST PROB.	A=C? 0.4767	A=D? 0.9157	A=E? 0.7953	A=F? 0.9121	A=G? 0.2210	A=H? 0.7267	A=I? 0.6299	A=J? 0.9016	HOMO. 0.4719
										TREND. 0.8363
1959-62	OBS. EXP.	80 18.2	20 18.2	22 26.5	22 16.8	3 7.1	7 5.7	5 2.7	1 1.2	0 1.8
	OBS./EXP. RELATIVE RISK		1.097 1.000	0.830 0.757	1.308 1.193	0.422 0.385	1.235 1.126	1.877 1.712	0.847 0.772	0.000 0.000
	TEST PROB.	A=C? 0.4280	A=D? 0.9026	A=E? 0.4391	A=F? 0.2695	A=G? 0.6396	A=H? 0.8959	A=I? 0.6057	A=J? 0.3376	HOMO. 0.8587
										TREND. 0.6235
1963-66	OBS. EXP.	115 26.9	20 26.9	49 37.5	19 23.6	8 9.9	9 8.4	4 4.1	3 1.9	3 2.6
	OBS./EXP. RELATIVE RISK		0.744 1.000	1.306 1.754	0.804 1.080	0.807 1.085	1.071 1.439	0.968 1.301	1.552 2.084	1.154 1.550
	TEST PROB.	A=C? 0.4624	A=D? 0.4401	A=E? 0.3137	A=F? 0.4377	A=G? 0.3175	A=H? 0.4563	A=I? 0.4704	A=J? 0.2977	HOMO. 0.2551
										TREND. 0.3918
										0.3742
1967-70	OBS. EXP.	113 27.2	22 27.2	43 36.2	25 22.9	12 9.5	5 8.8	3 4.3	2 1.7	1 2.3
	OBS./EXP. RELATIVE RISK		0.808 1.000	1.187 1.468	1.092 1.351	1.258 1.556	0.568 0.703	0.691 0.855	1.160 1.635	0.444 0.549
	TEST PROB.	A=C? 0.2703	A=D? 0.2318	A=E? 0.7426	A=F? 0.6345	A=G? 0.3802	A=H? 0.7326	A=I? 0.2025	A=J? 0.7297	HOMO. 0.5552
										TREND. 0.5348
										0.8921
1971-74	OBS. EXP.	85 20.2	20 20.2	28 26.6	18 16.6	5 7.6	6 7.4	4 3.6	2 1.4	2 1.7
	OBS./EXP. RELATIVE RISK		0.992 1.000	1.051 1.059	1.085 1.094	0.662 0.668	0.816 0.823	1.112 1.121	1.421 1.433	1.187 1.197
	TEST PROB.	A=C? 0.4744	A=D? 0.7703	A=E? 0.6730	A=F? 0.4295	A=G? 0.3805	A=H? 0.3992	A=I? 0.5764	A=J? 0.6082	HOMO. 0.4265
										TREND. 0.9752
										0.4469
1975-78	OBS. EXP.	78 19.4	13 19.4	27 23.8	15 14.2	6 7.3	9 8.7	6 3.5	2 1.5	0 1.5
	OBS./EXP. RELATIVE RISK		0.670 1.000	1.134 1.693	1.054 1.573	0.817 1.220	1.337 1.996	1.712 2.555	1.511 1.954	0.000 0.000
	TEST PROB.	A=C? 0.2317	A=D? 0.4388	A=E? 0.1654	A=F? 0.1221	A=G? 0.4069	A=H? 0.8472	A=I? 0.2651	A=J? 0.0872	HOMO. 0.5440
										TREND. 0.4188
										0.4840

TABLE 30-14 CEREBROVASCULAR DISEASE

TABLE 30-14

NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	495	83	202	128	34	26	13	5	4
TOTAL	EXP.		84.7	208.0	118.5	34.0	24.8	12.9	5.6	6.5
	OBS./EXP.		0.980	0.971	1.080	0.999	1.050	1.009	0.893	0.615
	RELATIVE RISK		1.000	0.992	1.103	1.020	1.072	1.030	0.911	0.628
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.3330	0.4720	0.4637	0.4662	0.6131	0.7836	0.3572	0.4657	0.7521
1950-54	OBS.	49	9	18	13	2	4	2	1	0
	EXP.		8.2	20.8	12.1	3.3	2.4	1.2	0.5	0.6
	OBS./EXP.		1.100	0.867	1.072	0.611	1.666	1.701	2.085	0.000
	RELATIVE RISK		1.000	0.789	0.974	0.555	1.497	1.547	1.896	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.5574	0.7834	0.4524	0.3798	0.3096	0.8125	0.6351	0.3667	0.5685
1955-58	OBS.	62	11	23	12	6	4	0	0	1
	EXP.		10.1	24.3	15.4	4.2	3.0	1.5	0.6	0.7
	OBS./EXP.		1.086	1.063	0.781	1.418	1.321	0.000	0.000	1.350
	RELATIVE RISK		1.000	0.979	0.719	1.305	1.216	0.000	0.000	1.243
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.7484	0.4804	0.4159	0.8822	0.8260	0.3892	0.6526	0.6493	0.7011
1959-62	OBS.	62	9	29	15	3	4	0	1	1
	EXP.		10.1	24.3	15.3	4.3	2.9	1.6	0.7	0.7
	OBS./EXP.		0.888	1.103	0.978	0.690	1.367	0.000	1.451	1.380
	RELATIVE RISK		1.000	1.242	1.102	0.778	1.540	0.000	1.634	1.554
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.4412	0.8642	0.4479	0.8698	0.3266	0.3127	0.4571	0.5031	0.3798
1963-66	OBS.	87	12	34	26	6	6	3	0	0
	EXP.		14.7	36.6	21.0	6.2	4.2	2.3	1.0	1.1
	OBS./EXP.		0.819	0.928	1.239	0.968	1.427	1.333	0.000	0.000
	RELATIVE RISK		1.000	1.133	1.512	1.182	1.743	1.628	0.000	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.2398	0.4308	0.2983	0.4717	0.8378	0.8397	0.2621	0.2559	0.3858
1967-70	OBS.	73	10	26	25	9	2	0	1	0
	EXP.		12.9	31.0	16.7	5.3	3.4	1.9	0.9	0.9
	OBS./EXP.		0.778	0.839	1.496	1.684	0.588	0.000	1.111	0.000
	RELATIVE RISK		1.000	1.079	1.923	2.165	0.756	0.000	1.428	0.000
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.1259	0.1459	0.7001	0.8795	0.3663	0.8280	0.1025	0.8261	0.6908
1971-74	OBS.	87	21	34	18	6	2	3	2	1
	EXP.		15.9	36.4	19.3	6.1	4.5	2.4	1.1	1.2
	OBS./EXP.		1.318	0.933	0.931	0.980	0.446	1.239	1.900	0.819
	RELATIVE RISK		1.000	0.708	0.706	0.744	0.338	0.940	1.642	0.622
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.8032	0.7242	0.8972	0.5777	0.3802	0.7138	0.8130	0.8422	0.4803
1975-78	OBS.	75	11	33	19	2	4	5	0	1
	EXP.		13.4	31.3	16.8	4.9	4.2	2.1	1.0	1.2
	OBS./EXP.		0.819	1.054	1.128	0.410	0.942	2.362	0.000	0.812
	RELATIVE RISK		1.000	1.267	1.376	0.591	1.150	2.883	0.000	0.992
	TEST	A=C?	A=D?	A=E?	A=F?	A=G?	A=H?	A=I?	A=J?	TREND?
	PROB.	0.3375	0.8016	0.4140	0.1131	0.8368	0.5647	0.4649	0.2543	0.7472

TABLE 31-1 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

T-65 TOTAL DOSE IN RAD

YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	3724	1518 1496.5	1013 1050.8	721 726.4	234 206.0	126 132.3	51 54.2	29 24.5	32 33.4
	OBS./EXP. RELATIVE RISK		1.014 1.000	0.964 1.000	0.993 0.999	1.136 1.143	0.953 0.959	0.940 0.946	1.186 1.194	0.958 0.964
	TEST PROB.	AB=C? 0.4940	AB=D? 0.0951	AB=E? 0.6394	AB=F? 0.6275	AB=G? 0.2674	AB=H? 0.5751	AB=I? 0.2881	AB=J? 0.5752	AB=K? 0.4870
1950-54	OBS. TOTAL	276	112 104.7	73 82.1	50 54.6	18 15.3	13 10.4	4 4.3	1 1.9	5 2.7
	OBS./EXP. RELATIVE RISK		1.070 1.000	0.890 1.000	0.916 0.925	1.173 1.184	1.249 1.261	0.929 0.938	0.522 0.527	1.826 1.843
	TEST PROB.	AB=C? 0.6377	AB=D? 0.3358	AB=E? 0.3019	AB=F? 0.5433	AB=G? 0.7379	AB=H? 0.2160	AB=I? 0.5389	AB=J? 0.2842	AB=K? 0.4311
1955-58	OBS. TOTAL	372	163 150.0	104 105.7	57 72.5	25 20.5	13 12.7	8 5.0	1 2.3	1 3.2
	OBS./EXP. RELATIVE RISK		1.086 1.000	0.984 1.000	0.786 0.753	1.219 1.167	1.025 0.982	1.585 1.518	0.441 0.422	0.315 0.302
	TEST PROB.	AB=C? 0.9178	AB=D? 0.3350	AB=E? 0.5135	AB=F? 0.2417	AB=G? 0.7925	AB=H? 0.8577	AB=I? 0.8381	AB=J? 0.5656	AB=K? 0.5950
1959-62	OBS. TOTAL	414	159 164.9	121 117.6	78 80.9	32 23.8	13 14.6	3 5.9	2 2.7	6 3.7
	OBS./EXP. RELATIVE RISK		0.964 1.000	1.029 1.000	0.965 0.973	1.342 1.354	0.891 0.899	0.511 0.515	0.728 0.734	1.628 1.642
	TEST PROB.	AB=C? 0.5666	AB=D? 0.1397	AB=E? 0.6101	AB=F? 0.8239	AB=G? 0.6729	AB=H? 0.2352	AB=I? 0.3761	AB=J? 0.6113	AB=K? 0.5910
1963-66	OBS. TOTAL	527	204 214.8	150 146.3	108 103.0	36 29.0	17 18.3	6 7.7	5 3.4	1 4.6
	OBS./EXP. RELATIVE RISK		0.950 1.000	1.026 1.000	1.049 1.069	1.240 1.265	0.927 0.945	0.780 0.795	1.485 1.515	0.219 0.223
	TEST PROB.	AB=C? 0.3474	AB=D? 0.1751	AB=E? 0.6020	AB=F? 0.6956	AB=G? 0.3248	AB=H? 0.9100	AB=I? 0.2276	AB=J? 0.7207	AB=K? 0.7482
1967-70	OBS. TOTAL	632	259 259.0	165 175.3	133 122.2	28 34.7	24 21.9	10 9.5	7 4.0	6 5.5
	OBS./EXP. RELATIVE RISK		1.000 1.000	0.941 1.000	1.089 1.115	0.906 0.826	1.095 1.122	1.054 1.080	1.767 1.809	1.088 1.114
	TEST PROB.	AB=C? 0.2350	AB=D? 0.7762	AB=E? 0.4001	AB=F? 0.4535	AB=G? 0.1778	AB=H? 0.4395	AB=I? 0.3706	AB=J? 0.2492	AB=K? 0.2716
1971-74	OBS. TOTAL	705	284 282.3	193 198.0	129 137.7	48 39.4	25 25.9	12 11.1	5 4.6	7 6.1
	OBS./EXP. RELATIVE RISK		1.013 1.000	0.975 1.000	0.937 0.939	1.220 1.223	0.965 0.968	1.081 1.083	1.079 1.082	1.153 1.156
	TEST PROB.	AB=C? 0.6826	AB=D? 0.2010	AB=E? 0.5959	AB=F? 0.4574	AB=G? 0.4418	AB=H? 0.4558	AB=I? 0.4412	AB=J? 0.4790	AB=K? 0.4373
1975-78	OBS. TOTAL	798	335 321.6	207 224.8	166 156.7	47 43.5	21 28.4	8 11.2	8 5.4	6 6.4
	OBS./EXP. RELATIVE RISK		1.042 1.000	0.921 1.000	1.059 1.068	1.081 1.090	0.740 0.746	0.713 0.719	1.492 1.504	0.939 0.947
	TEST PROB.	AB=C? 0.3135	AB=D? 0.3689	AB=E? 0.8423	AB=F? 0.7731	AB=G? 0.2598	AB=H? 0.5693	AB=I? 0.2822	AB=J? 0.7862	AB=K? 0.5553

TABLE 31-2 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	Y-85 TOTAL DOSE IN RAD										
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
		A	B	C	D	E	F	G	H			
1950-78	OBS.	43	23	8	7	5	0	0	0	0		
TOTAL	EXP.		15.6	13.6	9.1	2.2	1.2	0.6	0.3	0.4		
	OBS./EXP.		1.472	0.590	0.769	2.297	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.724	2.163	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.7324	0.1855	0.8535	0.8160	0.7865	0.7989	0.5227	0.9067	0.5574	0.0726	0.8974
1950-54	OBS.	8	5	1	0	2	0	0	0	0		
	EXP.		2.7	2.6	1.7	0.4	0.2	0.1	0.1	0.1		
	OBS./EXP.		1.861	0.381	0.000	4.664	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	4.129	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.8961	0.2448	0.7896	0.7772	0.7674	0.7720	0.6446	0.8168	0.7934	0.1272	0.6728
1955-58	OBS.	6	2	2	0	2	0	0	0	0		
	EXP.		1.7	2.1	1.4	0.3	0.2	0.1	0.0	0.1		
	OBS./EXP.		1.148	0.951	0.000	5.816	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	5.589	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.8774	0.1839	0.7857	0.7753	0.7664	0.7704	0.6138	0.8104	0.7896	0.1930	0.5376
1959-62	OBS.	4	3	0	1	0	0	0	0	0		
	EXP.		1.9	1.1	0.7	0.2	0.1	0.0	0.0	0.0		
	OBS./EXP.		1.596	0.300	1.361	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.338	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.3611	0.7829	0.7715	0.7654	0.7626	0.7632	0.4179	0.7810	0.7703	0.9512	0.6391
1963-66	OBS.	4	1	2	1	0	0	0	0	0		
	EXP.		1.6	1.2	0.8	0.2	0.1	0.0	0.0	0.0		
	OBS./EXP.		0.619	1.679	1.242	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.162	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.3981	0.7829	0.7715	0.7653	0.7626	0.7632	0.5740	0.7808	0.7703	0.9902	0.6677
1967-70	OBS.	8	5	1	2	0	0	0	0	0		
	EXP.		3.0	2.5	1.7	0.4	0.2	0.1	0.0	0.1		
	OBS./EXP.		1.692	0.400	1.186	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.079	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.4311	0.8135	0.7939	0.7794	0.7656	0.7737	0.6154	0.8240	0.7979	0.8402	0.5008
1971-74	OBS.	7	2	2	2	1	0	0	0	0		
	EXP.		2.2	2.4	1.6	0.4	0.2	0.1	0.1	0.1		
	OBS./EXP.		0.911	0.846	1.269	2.634	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.447	3.002	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.3288	0.2773	0.7800	0.7705	0.7647	0.7674	0.4262	0.7980	0.7810	0.9751	0.6192
1975-78	OBS.	6	5	0	1	0	0	0	0	0		
	EXP.		2.4	1.7	1.2	0.3	0.1	0.1	0.0	0.0		
	OBS./EXP.		1.957	0.000	0.840	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.717	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
	PROB.	0.6744	0.7933	0.7765	0.7675	0.7635	0.7645	0.7270	0.7894	0.7746	0.6802	0.7437

TABLE 31-3 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-3

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 30-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
		A	B	C	D	E	F	G	H			
1950-78	OBS.	103	34	29	24	4	6	2	3	1		
TOTAL	EXP.		39.2	31.9	16.4	5.1	5.4	2.5	1.1	1.4		
	OBS./EXP.		0.867	0.909	1.467	0.778	1.120	0.808	2.803	0.697		
	RELATIVE RISK		1.000		1.657	0.878	1.266	0.913	3.166	0.787		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.0805	0.6076	0.4878	0.6004	0.1541	0.6539	0.1279	0.3483	0.4059	0.2827	0.2667
1950-54	OBS.	9	5	1	2	0	0	1	0	0		
	EXP.		2.9	2.9	1.5	0.6	0.7	0.3	0.1	0.1		
	OBS./EXP.		1.719	0.349	1.378	0.000	0.000	3.076	0.000	0.000		
	RELATIVE RISK		1.000		1.326	0.000	0.000	2.961	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3798	0.8203	0.8302	0.2839	0.7742	0.7780	0.5502	0.6548	0.3300	0.5471	0.6825
1955-58	OBS.	11	5	1	4	0	0	1	0	0		
	EXP.		4.8	3.1	1.3	0.5	0.4	0.2	0.1	0.1		
	OBS./EXP.		1.046	0.323	2.223	0.000	0.000	5.420	0.000	0.000		
	RELATIVE RISK		1.000		2.919	0.000	0.000	7.117	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.1830	0.7982	0.7907	0.2518	0.7702	0.7714	0.2686	0.3180	0.2735	0.2614	0.3731
1959-62	OBS.	15	4	5	4	2	0	0	0	0		
	EXP.		4.4	4.2	2.3	0.7	0.6	0.3	0.2	0.2		
	OBS./EXP.		0.620	1.183	1.600	2.888	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.883	3.398	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3275	0.2694	0.8133	0.7854	0.7751	0.7792	0.1997	0.8499	0.3123	0.5853	0.7461
1963-66	OBS.	14	4	8	1	1	0	0	0	0		
	EXP.		4.9	4.4	2.3	0.8	0.8	0.4	0.2	0.2		
	OBS./EXP.		0.817	1.837	0.427	1.247	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.329	0.962	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.8459	0.5897	0.8644	0.8185	0.7847	0.7944	0.8103	0.9115	0.8553	0.5803	0.8754
1967-70	OBS.	14	5	3	3	0	3	0	0	0		
	EXP.		5.1	4.7	2.1	0.7	0.7	0.3	0.1	0.2		
	OBS./EXP.		0.988	0.644	1.405	0.000	4.001	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.707	0.000	4.861	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4638	0.8231	0.0959	0.7986	0.7749	0.7828	0.3995	0.2822	0.8257	0.2433	0.4324
1971-74	OBS.	15	5	3	3	1	0	0	1	0		
	EXP.		5.4	4.5	2.3	0.7	0.6	0.4	0.2	0.2		
	OBS./EXP.		0.898	1.031	1.318	1.353	0.000	0.000	6.540	0.000		
	RELATIVE RISK		1.000		1.374	1.430	0.000	0.000	6.866	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4035	0.3416	0.8375	0.8036	0.2576	0.7840	0.4416	0.7155	0.3730	0.4771	0.4601
1975-78	OBS.	25	6	6	7	0	3	0	2	1		
	EXP.		9.6	7.9	3.9	1.2	1.3	0.6	0.2	0.3		
	OBS./EXP.		0.623	0.762	1.800	0.000	2.398	0.000	8.220	2.983		
	RELATIVE RISK		1.000		2.626	0.000	3.498	0.000	11.088	4.351		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.0921	0.8226	0.1499	0.7922	0.0173	0.2624	0.1729	0.0449	0.0895	0.0019	0.0042

TABLE 31-4 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-36

YEAR	CLASS	T-65 TOTAL DOSE [M RAD]								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-73	OBS.	248	106	70	35	22	7	4	3	1
TOTAL	EXP.		96.7	71.2	44.2	14.0	10.8	5.3	2.6	1.3
	OBS./EXP.		1.097	0.984	0.792	1.567	0.647	0.755	1.146	0.308
	RELATIVE RISK		1.000		0.755	1.495	0.617	0.720	1.092	0.293
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.8745	0.1423	0.8598	0.7599	0.4510	0.8704	0.4600	0.8979	0.8254
1950-54	OBS.	23	6	4	8	3	1	1	0	0
	EXP.		8.4	6.8	4.1	1.4	1.1	0.6	0.3	0.3
	OBS./EXP.		0.714	0.587	1.940	2.192	0.888	1.740	0.000	0.000
	RELATIVE RISK		1.000		2.951	3.333	1.351	2.647	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.0674	0.1749	0.3789	0.2873	0.7828	0.7847	0.0425	0.3811	0.3634
1955-58	OBS.	12	5	4	1	2	0	0	0	0
	EXP.		4.9	3.4	2.1	0.6	0.5	0.2	0.1	0.1
	OBS./EXP.		1.024	1.177	0.477	3.332	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.439	2.882	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7900	0.3480	0.3092	0.7847	0.7736	0.7786	0.4916	0.3455	0.8103
1959-62	OBS.	23	8	8	1	5	1	0	0	0
	EXP.		9.0	6.6	4.2	1.3	0.9	0.4	0.2	0.3
	OBS./EXP.		0.884	1.204	0.241	3.966	1.071	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.236	3.889	1.050	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.9008	0.0528	0.5455	0.8128	0.7884	0.7962	0.4385	0.7683	0.8528
1963-66	OBS.	19	9	5	3	2	0	0	0	0
	EXP.		7.5	5.6	3.4	1.0	0.7	0.3	0.2	0.2
	OBS./EXP.		1.207	0.895	0.871	2.004	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.812	1.888	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.6477	0.4177	0.8238	0.7927	0.7784	0.7854	0.4472	0.8671	0.3255
1967-70	OBS.	44	17	16	5	1	2	2	0	1
	EXP.		17.4	12.4	7.8	2.4	1.8	0.9	0.4	0.8
	OBS./EXP.		0.965	1.296	0.643	0.413	1.088	2.245	0.000	1.781
	RELATIVE RISK		1.000		0.535	0.376	0.992	2.048	0.000	1.623
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.8225	0.3065	0.4412	0.4560	0.8052	0.3267	0.8695	0.4680	0.4534
1971-74	OBS.	50	25	11	10	2	2	0	0	0
	EXP.		19.3	14.1	5.7	2.9	2.3	1.1	0.6	0.7
	OBS./EXP.		1.265	0.781	1.154	0.698	0.880	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.086	0.656	0.827	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4492	0.7524	0.6764	0.8700	0.8242	0.8279	0.5637	0.8777	0.9224
1975-78	OBS.	77	36	22	7	7	1	1	3	0
	EXP.		29.5	22.3	13.9	4.5	3.4	1.6	0.8	1.0
	OBS./EXP.		1.220	0.988	0.504	1.567	0.294	0.618	3.535	0.000
	RELATIVE RISK		1.000		0.450	1.399	0.263	0.532	3.200	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.9428	0.3917	0.9001	0.7758	0.1807	0.8567	0.8534	0.8158	0.5793

TABLE 31-5 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-73	OBS.	1281	512	334	258	79	46	21	14	17
TOTAL	EXP.		512.0	352.9	250.5	70.0	52.1	20.1	9.3	14.0
	OBS./EXP.		1.000	0.946	1.030	1.129	0.883	1.043	1.502	1.212
	RELATIVE RISK		1.000		1.053	1.154	0.903	1.067	1.535	1.239
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3093	0.2036	0.7108	0.4702	0.1480	0.3038	0.2168	0.3999	0.1677
									0.5212	0.1033
1950-54	OBS.	60	24	15	14	3	0	2	0	2
	EXP.		22.3	17.7	12.1	3.3	2.5	1.0	0.5	0.7
	OBS./EXP.		1.078	0.848	1.154	0.920	0.000	1.963	0.000	2.805
	RELATIVE RISK		1.000		1.182	0.942	0.000	2.010	0.000	2.872
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3974	0.5690	0.9048	0.4752	0.3051	0.3159	0.4272	0.6278	0.3007
									0.4212	0.2645
1955-58	OBS.	67	28	23	8	5	1	1	1	0
	EXP.		27.0	18.3	12.7	3.7	2.8	1.1	0.5	0.8
	OBS./EXP.		1.037	1.254	0.629	1.350	0.354	0.941	1.879	0.000
	RELATIVE RISK		1.000		0.559	1.200	0.315	0.837	1.671	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8857	0.4406	0.9531	0.6230	0.3240	0.8359	0.8140	0.8329	0.6729
									0.5602	0.7982
1959-62	OBS.	93	34	25	21	4	6	0	1	2
	EXP.		36.5	25.9	18.0	5.2	4.0	1.5	0.7	1.1
	OBS./EXP.		0.931	0.963	1.168	0.763	1.512	0.000	1.386	1.822
	RELATIVE RISK		1.000		1.236	0.808	1.601	0.000	1.467	1.929
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3116	0.6648	0.2652	0.8641	0.3341	0.4864	0.3950	0.3076	0.4559
									0.7245	0.2632
1963-66	OBS.	147	59	40	26	10	6	3	3	0
	EXP.		59.4	40.3	26.1	8.0	6.2	2.3	1.0	1.7
	OBS./EXP.		0.991	0.993	0.926	1.250	0.962	1.288	2.915	0.000
	RELATIVE RISK		1.000		0.932	1.253	0.968	1.297	2.934	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6202	0.3567	0.5774	0.4104	0.1659	0.8784	0.4756	0.4561	0.4659
									0.4975	0.4601
1967-70	OBS.	219	96	50	45	13	6	3	3	3
	EXP.		86.7	60.5	42.8	12.1	9.2	3.6	1.6	2.5
	OBS./EXP.		1.108	0.826	1.051	1.076	0.650	0.833	1.895	1.197
	RELATIVE RISK		1.000		1.059	1.085	0.656	0.840	1.911	1.207
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4342	0.4649	0.3079	0.6466	0.3368	0.4113	0.4178	0.6545	0.4427
									0.5750	0.4376
1971-74	OBS.	309	123	79	51	23	15	9	4	5
	EXP.		124.0	84.5	60.7	16.6	12.3	4.8	2.1	3.1
	OBS./EXP.		0.985	0.935	0.840	1.387	1.215	1.231	1.938	1.624
	RELATIVE RISK		1.000		0.871	1.439	1.260	1.950	2.010	1.634
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7439	0.1387	0.3173	0.1205	0.2368	0.2836	0.5204	0.0654	0.0449
									0.1021	0.0033
1975-78	OBS.	386	148	102	93	21	12	3	2	5
	EXP.		156.4	106.1	76.0	20.6	15.3	5.6	2.5	3.5
	OBS./EXP.		0.944	0.961	1.224	1.014	0.786	0.534	0.808	1.421
	RELATIVE RISK		1.000		1.266	1.069	0.825	0.560	0.849	1.493
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.0772	0.4502	0.7098	0.8034	0.6178	0.3463	0.0947	0.7104	0.6141
									0.4129	0.5333

TABLE 31-6 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	2049	843	572	397	124	67	24	9	13
	EXP.		832.9	581.2	406.2	114.7	62.8	25.7	11.2	14.3
	OBS./EXP.		1.012	0.984	0.977	1.082	1.067	0.934	0.805	0.911
	RELATIVE RISK		1.000		0.977	1.081	1.066	0.933	0.805	0.911
	TEST PROB.	AB=C? 0.6115	AB=D? 0.2786	AB=E? 0.3608	AB=F? 0.5989	AB=G? 0.7003	AB=H? 0.6174	AB=CD? 0.4942	AB=E-H? 0.4928	AB=FGH? 0.6865
1950-54	OBS. EXP.	176	72	52	26	10	12	0	1	3
			68.4	52.1	35.1	9.7	5.9	2.3	1.0	1.5
	OBS./EXP.		1.052	0.998	0.740	1.028	2.024	0.000	1.000	2.033
	RELATIVE RISK		1.000		0.720	0.999	1.967	0.000	0.971	1.981
	TEST PROB.	AB=C? 0.6706	AB=D? 0.4655	AB=E? 0.0680	AB=F? 0.8983	AB=G? 0.4790	AB=H? 0.2973	AB=CD? 0.8332	AB=E-H? 0.1769	AB=FGH? 0.6342
1955-58	OBS. EXP.	276	123	74	44	16	12	6	0	1
			111.6	78.8	54.6	15.3	8.7	3.5	1.5	2.0
	OBS./EXP.		1.102	0.939	0.806	1.042	1.373	1.737	0.000	0.496
	RELATIVE RISK		1.000		0.780	1.008	1.327	1.679	0.000	0.479
	TEST PROB.	AB=C? 0.8594	AB=D? 0.4789	AB=E? 0.2847	AB=F? 0.2434	AB=G? 0.3694	AB=H? 0.7691	AB=CD? 0.8266	AB=E-H? 0.3494	AB=FGH? 0.5393
1959-62	OBS. EXP.	279	110	53	51	21	6	3	1	4
			111.1	79.7	55.5	16.5	9.0	3.6	1.6	2.1
	OBS./EXP.		0.990	1.042	0.919	1.274	0.667	0.835	0.613	1.912
	RELATIVE RISK		1.000		0.908	1.259	0.659	0.825	0.606	1.890
	TEST PROB.	AB=C? 0.6750	AB=D? 0.2649	AB=E? 0.7814	AB=F? 0.6348	AB=G? 0.7102	AB=H? 0.2660	AB=CD? 0.5358	AB=E-H? 0.6647	AB=FGH? 0.4556
1963-66	OBS. EXP.	343	131	95	77	23	11	3	2	1
			141.4	94.8	88.3	19.0	10.4	4.6	2.0	2.4
	OBS./EXP.		0.925	1.002	1.127	1.208	1.056	0.653	1.012	0.421
	RELATIVE RISK		1.000		1.178	1.263	1.104	0.683	1.058	0.440
	TEST PROB.	AB=C? 0.1999	AB=D? 0.2389	AB=E? 0.4708	AB=F? 0.7215	AB=G? 0.4204	AB=H? 0.7912	AB=CD? 0.1512	AB=E-H? 0.6072	AB=FGH? 0.7556
1967-70	OBS. EXP.	347	136	95	78	14	13	5	4	2
			146.7	95.2	87.7	19.1	9.9	4.5	1.7	2.2
	OBS./EXP.		0.927	0.998	1.152	0.732	1.316	1.102	2.287	0.929
	RELATIVE RISK		1.000		1.206	0.766	1.378	1.154	2.394	0.973
	TEST PROB.	AB=C? 0.1704	AB=D? 0.7751	AB=E? 0.2571	AB=F? 0.4331	AB=G? 0.1635	AB=H? 0.5619	AB=CD? 0.2907	AB=E-H? 0.1667	AB=FGH? 0.2799
1971-74	OBS. EXP.	326	131	96	63	21	8	3	0	2
			129.8	92.2	64.4	18.8	10.2	4.7	1.3	2.1
	OBS./EXP.		1.009	1.042	0.978	1.117	0.781	0.643	0.000	0.975
	RELATIVE RISK		1.000		0.956	1.093	0.783	0.628	0.000	0.954
	TEST PROB.	AB=C? 0.6142	AB=D? 0.4475	AB=E? 0.7586	AB=F? 0.7795	AB=G? 0.8892	AB=H? 0.5846	AB=CD? 0.5536	AB=E-H? 0.8673	AB=FGH? 0.8523
1975-78	OBS. EXP.	304	140	77	58	19	5	4	1	0
			123.5	86.9	61.8	16.9	8.3	3.3	1.8	1.5
	OBS./EXP.		1.134	0.886	0.939	1.123	0.600	1.201	0.562	0.000
	RELATIVE RISK		1.000		0.910	1.089	0.582	1.164	0.564	0.000
	TEST PROB.	AB=C? 0.6943	AB=D? 0.4401	AB=E? 0.5256	AB=F? 0.4276	AB=G? 0.7391	AB=H? 0.8734	AB=CD? 0.6333	AB=E-H? 0.8384	AB=FGH? 0.7104

TABLE 31-7 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-7

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS. TOTAL	1700	715	465	301	101	64	22	15	17
	EXP.		664.8	475.8	313.4	95.0	71.9	27.4	12.3	19.5
	OBS./EXP. RELATIVE RISK		1.044	0.977	0.960	1.044	0.891	0.803	1.221	0.871
			1.000		0.944	1.046	0.876	0.790	1.201	0.856
	TEST PROB.	AB=C? 0.7463	AB=D? 0.4002	AB=E? 0.7918	AB=F? 0.8093	AB=G? 0.3508	AB=H? 0.6994	AB=CD? 0.6710	AB=E-H? 0.8210	AB=FGH? 0.7181
										MONO. 0.6067
										TREND. 0.8155
1950-54	OBS. EXP.	137	65	31	23	4	10	1	1	2
			55.2	39.0	28.5	7.3	5.5	2.1	0.9	1.5
	OBS./EXP. RELATIVE RISK		1.178	0.795	0.901	0.549	1.820	0.485	1.067	1.293
			1.000		0.884	0.539	1.785	0.476	1.046	1.268
	TEST PROB.	AB=C? 0.6617	AB=D? 0.3419	AB=E? 0.1407	AB=F? 0.7752	AB=G? 0.4509	AB=H? 0.3916	AB=CD? 0.7683	AB=E-H? 0.2646	AB=FGH? 0.6404
										MONO. 0.2128
										TREND. 0.3684
1955-58	OBS. EXP.	197	84	57	29	13	6	4	1	1
			80.1	55.3	36.6	10.8	7.8	2.9	1.3	2.2
	OBS./EXP. RELATIVE RISK		1.074	1.031	0.792	1.206	0.771	1.359	0.763	0.462
			1.000		0.750	1.142	0.730	1.287	0.722	0.437
	TEST PROB.	AB=C? 0.8548	AB=D? 0.4381	AB=E? 0.7450	AB=F? 0.4587	AB=G? 0.6655	AB=H? 0.7875	AB=CD? 0.7788	AB=E-H? 0.7246	AB=FGH? 0.6071
										MONO. 0.7723
										TREND. 0.7542
1959-62	OBS. EXP.	204	86	56	45	16	4	1	2	2
			82.3	57.9	38.1	12.1	8.6	3.2	1.4	2.3
	OBS./EXP. RELATIVE RISK		1.045	0.967	1.077	1.153	0.467	0.317	1.381	0.853
			1.000		1.063	1.139	0.461	0.313	1.364	0.842
	TEST PROB.	AB=C? 0.4280	AB=D? 0.4155	AB=E? 0.8829	AB=F? 0.8451	AB=G? 0.3237	AB=H? 0.6048	AB=CD? 0.3977	AB=E-H? 0.8768	AB=FGH? 0.7139
										MONO. 0.6620
										TREND. 0.8292
1963-66	OBS. EXP.	258	101	79	44	19	7	3	4	1
			102.8	71.9	48.2	14.9	11.0	4.2	1.8	3.0
	OBS./EXP. RELATIVE RISK		0.982	1.099	0.912	1.273	0.635	0.709	2.199	0.334
			1.000		0.885	1.236	0.616	0.687	2.135	0.324
	TEST PROB.	AB=C? 0.7236	AB=D? 0.2883	AB=E? 0.3499	AB=F? 0.7327	AB=G? 0.2089	AB=H? 0.5488	AB=CD? 0.5324	AB=E-H? 0.8295	AB=FGH? 0.6517
										MONO. 0.3253
										TREND. 0.7765
1967-70	OBS. EXP.	291	126	77	53	12	13	6	2	2
			117.7	80.0	53.8	16.7	12.5	5.0	2.0	3.3
	OBS./EXP. RELATIVE RISK		1.071	0.962	0.956	0.717	1.042	1.199	0.991	0.600
			1.000		0.960	0.698	1.014	1.167	0.964	0.584
	TEST PROB.	AB=C? 0.6059	AB=D? 0.8364	AB=E? 0.4774	AB=F? 0.4407	AB=G? 0.5691	AB=H? 0.7708	AB=CD? 0.7294	AB=E-H? 0.5640	AB=FGH? 0.6129
										MONO. 0.8983
										TREND. 0.7157
1971-74	OBS. EXP.	305	123	89	48	21	11	6	1	4
			120.6	84.0	57.2	17.7	13.9	5.7	2.4	3.5
	OBS./EXP. RELATIVE RISK		1.020	1.059	0.839	1.185	0.793	1.059	0.418	1.698
			1.000		0.809	1.144	0.765	1.022	0.403	1.639
	TEST PROB.	AB=C? 0.3483	AB=D? 0.3887	AB=E? 0.7841	AB=F? 0.5629	AB=G? 0.8153	AB=H? 0.2644	AB=CD? 0.7543	AB=E-H? 0.6664	AB=FGH? 0.4600
										MONO. 0.5775
										TREND. 0.5337
1975-78	OBS. EXP.	306	128	76	63	18	13	1	4	3
			125.1	84.5	56.5	17.0	13.0	4.7	2.4	2.8
	OBS./EXP. RELATIVE RISK		1.023	0.899	1.116	1.058	1.000	0.212	1.555	1.074
			1.000		1.146	1.087	1.027	0.218	1.701	1.104
	TEST PROB.	AB=C? 0.2674	AB=D? 0.4560	AB=E? 0.4595	AB=F? 0.9080	AB=G? 0.3181	AB=H? 0.4173	AB=CD? 0.2710	AB=E-H? 0.5724	AB=FGH? 0.6546
										MONO. 0.5571
										TREND. 0.5533

TABLE 31-B DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-B

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

		T=65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	A	B	C	D	E	F	G	H		
1950-78	OBS.	2024	803	548	420	133	62	29	14	15		
TOTAL	EXP.		811.7	575.1	432.9	111.0	60.4	26.8	12.2	13.9		
	OBS./EXP.		0.989	0.953	1.017	1.198	1.026	1.080	1.151	1.081		
	RELATIVE RISK		1.000		1.044	1.230	1.053	1.109	1.181	1.110		
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CD?	AB=EH?	AB=FGH?	HOMO.	
	PROB.	0.2843	0.0543	0.3761	0.3609	0.3556	0.4174	0.1295	0.2511	0.2625	0.4862	TREND.
												0.1288
1950-54	OBS.	139	47	42	27	14	3	3	0	3		
	EXP.		49.5	43.1	29.0	8.1	4.9	2.2	1.0	1.2		
	OBS./EXP.		0.950	0.975	0.930	1.737	0.611	1.338	0.000	2.518		
	RELATIVE RISK		1.000		0.967	1.807	0.635	1.392	0.000	2.620		
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CD?	AB=EH?	AB=FGH?	HOMO.	TREND.
	PROB.	0.5566	0.0781	0.7277	0.4860	0.8322	0.1666	0.3199	0.4489	0.2978	0.2230	0.1330
1955-58	OBS.	175	77	47	28	12	7	4	0	0		
	EXP.		69.9	50.4	35.9	9.7	6.9	2.1	1.0	1.0		
	OBS./EXP.		1.101	0.932	0.779	1.233	1.431	1.901	0.000	0.000		
	RELATIVE RISK		1.000		0.757	1.197	1.389	1.845	0.000	0.000		
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CD?	AB=EH?	AB=FGH?	HOMO.	TREND.
	PROB.	0.8345	0.3845	0.3116	0.2694	0.6399	0.8431	0.7528	0.3757	0.5503	0.3423	0.6322
1959-62	OBS.	208	73	65	37	18	9	2	0	4		
	EXP.		82.5	59.6	42.8	11.7	6.0	2.7	1.3	1.3		
	OBS./EXP.		0.885	1.090	0.865	1.538	1.494	0.734	0.000	2.985		
	RELATIVE RISK		1.000		0.891	1.584	1.539	0.756	0.000	3.075		
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CD?	AB=EH?	AB=FGH?	HOMO.	TREND.
	PROB.	0.6899	0.1170	0.2181	0.6708	0.8568	0.0882	0.4547	0.2280	0.4540	0.0468	0.0334
1963-66	OBS.	269	103	71	64	17	10	3	1	0		
	EXP.		111.9	74.4	54.7	14.1	7.3	3.5	1.5	1.6		
	OBS./EXP.		0.920	0.955	1.169	1.205	1.367	0.867	0.646	0.000		
	RELATIVE RISK		1.000		1.252	1.290	1.464	0.929	0.692	0.000		
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CD?	AB=EH?	AB=FGH?	HOMO.	TREND.
	PROB.	0.1451	0.2556	0.2345	0.5656	0.6694	0.8674	0.1153	0.4651	0.7588	0.5485	0.7253
1967-70	OBS.	341	133	88	80	16	11	4	5	4		
	EXP.		141.3	95.3	68.4	18.0	9.4	6.5	1.9	2.2		
	OBS./EXP.		0.941	0.924	1.170	0.890	1.166	0.893	2.573	1.833		
	RELATIVE RISK		1.000		1.252	0.953	1.249	0.956	2.754	1.962		
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CD?	AB=EH?	AB=FGH?	HOMO.	TREND.
	PROB.	0.1200	0.5672	0.3551	0.5462	0.0775	0.2454	0.1676	0.1257	0.1241	0.1865	0.0213
1971-74	OBS.	400	163	104	81	27	14	6	4	1		
	EXP.		161.7	114.0	80.4	21.6	12.0	5.4	2.2	2.5		
	OBS./EXP.		1.008	0.913	1.007	1.244	1.163	1.103	1.786	0.396		
	RELATIVE RISK		1.000		1.040	1.289	1.201	1.139	1.844	0.407		
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CD?	AB=EH?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4194	0.2157	0.3570	0.4428	0.2769	0.8051	0.3011	0.3454	0.4842	0.6618	0.3863
1975-78	OBS.	492	207	131	103	29	8	7	4	3		
	EXP.		196.5	140.3	100.3	24.5	15.4	6.5	2.9	3.6		
	OBS./EXP.		1.053	0.934	1.027	1.096	0.520	1.077	1.357	0.834		
	RELATIVE RISK		1.000		1.024	1.092	0.518	1.073	1.352	0.832		
	TEST	AB=CF	AB=DF	AB=EF	AB=FF	AB=GF	AB=HF	AB=CD?	AB=EH?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4642	0.4066	0.9234	0.4456	0.4672	0.6488	0.4136	0.8280	0.4627	0.5644	0.6915

TABLE 31-9 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-9

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	2953 1344.2	1374 1344.2	729 757.4	560 552.5	164 147.5	76 85.6	24 30.8	25 16.4	21 20.6		
	OBS./EXP. RELATIVE RISK	1.022 1.000		0.963 0.977	0.977 0.977	1.112 1.111	0.887 0.887	0.780 0.780	1.734 1.733	1.019 1.018		
	TEST PROB.	AB=C? 0.6412	AB=D? 0.1878	AB=E? 0.7751	AB=F? 0.8212	AB=G? 0.0299	AB=H? 0.4692	AB=I? 0.4740	AB=E-H? 0.6279	AB=FGH? 0.3753	HOMO. 0.0462	TREND. 0.2557
1950-54	OBS. EXP.	197 89.4	91 89.4	55 51.4	30 36.1	11 9.7	6 5.8	2 2.0	0 1.0	2 1.5		
	OBS./EXP. RELATIVE RISK	1.018 1.000		1.069 1.000	0.831 0.801	1.130 1.090	1.032 0.996	0.998 0.963	0.000 0.000	1.314 1.296		
	TEST PROB.	AB=C? 0.8013	AB=D? 0.4649	AB=E? 0.4810	AB=F? 0.5442	AB=G? 0.8426	AB=H? 0.3858	AB=I? 0.7427	AB=E-H? 0.5777	AB=FGH? 0.6213	HOMO. 0.9146	TREND. 0.5533
1955-58	OBS. EXP.	299 136.1	150 136.1	77 77.6	44 53.1	14 15.0	8 8.6	4 3.0	1 1.5	1 2.1		
	OBS./EXP. RELATIVE RISK	1.102 1.000		0.992 1.000	0.798 0.751	0.931 0.877	0.931 0.875	1.312 1.235	0.686 0.646	0.486 0.457		
	TEST PROB.	AB=C? 0.9013	AB=D? 0.6651	AB=E? 0.6386	AB=F? 0.4308	AB=G? 0.7003	AB=H? 0.7804	AB=I? 0.8961	AB=E-H? 0.6704	AB=FGH? 0.5480	HOMO. 0.6839	TREND. 0.8023
1959-62	OBS. EXP.	326 148.0	148 148.0	86 83.8	55 60.5	20 16.9	10 9.5	1 3.4	2 1.7	4 2.2		
	OBS./EXP. RELATIVE RISK	1.000 1.000		1.026 1.000	0.910 0.901	1.191 1.170	1.053 1.044	0.295 0.292	1.204 1.193	1.799 1.782		
	TEST PROB.	AB=C? 0.7029	AB=D? 0.3537	AB=E? 0.4542	AB=F? 0.8645	AB=G? 0.3968	AB=H? 0.2937	AB=I? 0.5995	AB=E-H? 0.4783	AB=FGH? 0.5660	HOMO. 0.7410	TREND. 0.2564
1963-66	OBS. EXP.	425 194.6	187 194.6	114 107.7	79 79.9	29 21.1	8 12.2	3 4.6	5 2.0	0 2.8		
	OBS./EXP. RELATIVE RISK	0.961 1.000		1.058 1.000	0.988 0.992	1.372 1.378	0.657 0.659	0.649 0.651	2.521 2.532	0.000 0.000		
	TEST PROB.	AB=C? 0.5309	AB=D? 0.1370	AB=E? 0.8252	AB=F? 0.7525	AB=G? 0.1097	AB=H? 0.9187	AB=I? 0.3421	AB=E-H? 0.8203	AB=FGH? 0.5698	HOMO. 0.0685	TREND. 0.7550
1967-70	OBS. EXP.	508 233.5	239 233.5	115 128.6	100 95.3	22 25.1	16 14.2	6 5.5	6 2.3	4 3.5		
	OBS./EXP. RELATIVE RISK	1.023 1.000		0.894 1.000	1.050 1.074	0.875 0.895	1.124 1.149	1.091 1.117	2.633 2.694	1.157 1.184		
	TEST PROB.	AB=C? 0.3444	AB=D? 0.6672	AB=E? 0.3996	AB=F? 0.6397	AB=G? 0.0642	AB=H? 0.6242	AB=I? 0.4235	AB=E-H? 0.1911	AB=FGH? 0.1775	HOMO. 0.2734	TREND. 0.0701
1971-74	OBS. EXP.	548 250.0	256 250.0	128 139.4	101 104.4	32 26.8	16 15.5	5 5.8	4 2.5	6 3.7		
	OBS./EXP. RELATIVE RISK	1.024 1.000		0.918 1.000	0.967 0.981	1.194 1.211	1.034 1.049	0.866 0.878	1.606 1.628	1.639 1.662		
	TEST PROB.	AB=C? 0.5612	AB=D? 0.2522	AB=E? 0.4671	AB=F? 0.6244	AB=G? 0.3363	AB=H? 0.2515	AB=I? 0.4368	AB=E-H? 0.3289	AB=FGH? 0.2908	HOMO. 0.6862	TREND. 0.0759
1975-78	OBS. EXP.	650 292.1	303 292.1	154 167.9	131 125.8	36 32.4	12 18.5	3 6.3	7 3.1	4 3.9		
	OBS./EXP. RELATIVE RISK	1.037 1.000		0.917 1.000	1.041 1.048	1.110 1.117	0.649 0.654	0.477 0.481	2.235 2.249	1.031 1.038		
	TEST PROB.	AB=C? 0.3860	AB=D? 0.3545	AB=E? 0.8645	AB=F? 0.5529	AB=G? 0.0885	AB=H? 0.4416	AB=I? 0.3318	AB=E-H? 0.7653	AB=FGH? 0.4712	HOMO. 0.1313	TREND. 0.4366

TABLE 31-10 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLAS	1-65 TOTAL DOSE (N RAO)								
		TOTAL	0	1-9	10-19	20-29	30-39	40-49	50-59	60-69
			A	B	C	D	E	F	G	H
1950-78	OBS.	771	144	284	181	70	50	27	4	11
TOTAL	EXP.		152.3	293.4	173.9	58.5	46.6	23.5	10.0	12.8
	OBS./EXP.		0.946	0.968	1.041	1.197	1.072	1.150	0.399	0.860
	RELATIVE RISK		1.000		1.084	1.247	1.117	1.198	0.415	0.896
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2579	0.1286	0.3494	0.3109	0.9242	0.6541	0.1528	0.4703	0.6477
1950-54	OBS.	79	21	18	20	7	7	2	1	3
	EXP.		15.2	30.6	18.4	5.6	4.6	2.3	0.9	1.3
	OBS./EXP.		1.377	0.588	1.034	1.248	1.525	0.869	1.089	2.400
	RELATIVE RISK		1.000		1.275	1.669	1.794	1.023	1.281	2.823
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2937	0.3211	0.2083	0.5406	0.3732	0.1974	0.2417	0.1557	0.3149
1955-58	OBS.	73	13	27	13	11	5	4	0	0
	EXP.		14.0	29.1	17.4	5.5	4.1	2.0	0.8	1.1
	OBS./EXP.		0.930	0.960	0.747	2.008	1.224	2.002	0.000	0.000
	RELATIVE RISK		1.000		0.796	2.113	1.288	2.107	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7352	0.0774	0.4740	0.2233	0.8292	0.8493	0.4368	0.4364	0.4305
1959-62	OBS.	88	11	35	23	12	3	2	0	2
	EXP.		16.9	33.7	20.4	8.9	5.1	2.5	1.1	1.5
	OBS./EXP.		0.652	1.039	1.129	1.736	0.588	0.804	0.000	1.369
	RELATIVE RISK		1.000		1.241	1.909	0.647	0.883	0.000	1.505
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3027	0.0986	0.7451	0.6014	0.8433	0.3871	0.3545	0.7036	0.6033
1963-66	OBS.	102	17	36	29	7	9	3	0	1
	EXP.		20.2	38.5	23.0	7.9	6.2	3.1	1.4	1.7
	OBS./EXP.		0.843	0.934	1.259	0.887	1.462	0.977	0.000	0.572
	RELATIVE RISK		1.000		1.394	0.982	1.619	1.082	0.000	0.634
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.1716	0.5468	0.2365	0.4494	0.3590	0.7230	0.2232	0.4463	0.7452
1967-70	OBS.	124	20	50	33	6	8	4	1	2
	EXP.		25.4	46.7	26.9	9.6	7.7	4.0	1.7	2.1
	OBS./EXP.		0.786	1.071	1.228	0.626	1.043	1.003	0.594	0.971
	RELATIVE RISK		1.000		1.265	0.645	1.075	1.034	0.612	1.001
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.2391	0.8088	0.4518	0.5247	0.7180	0.5635	0.3980	0.5463	0.6137
1971-74	OBS.	157	30	65	28	16	9	7	1	1
	EXP.		32.3	58.6	33.2	12.6	10.4	5.3	2.1	2.4
	OBS./EXP.		0.929	1.109	0.842	1.275	0.863	1.314	0.467	0.415
	RELATIVE RISK		1.000		0.806	1.220	0.825	1.257	0.447	0.397
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7809	0.3486	0.7118	0.4537	0.7938	0.8155	0.6538	0.7292	0.6776
1975-78	OBS.	148	32	53	35	11	9	5	1	2
	EXP.		29.5	56.9	30.9	11.0	9.9	4.9	2.2	2.5
	OBS./EXP.		1.083	0.931	1.133	0.996	0.908	1.013	0.448	0.797
	RELATIVE RISK		1.000		1.153	1.013	0.923	1.031	0.456	0.811
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3360	0.4747	0.6107	0.4466	0.7888	0.6521	0.3442	0.6682	0.6716

TABLE 31-11 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-11

HIROSHIMA, MALE, ALL AGES

YEAR	CLASS	7-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	1369 608.5	446 608.5	344 366.2	228 244.1	73 67.0	39 47.9	13 15.7	14 7.3	12 12.5		
	OBS./EXP. RELATIVE RISK		1.062 1.000	0.939 0.934	0.934 0.920	1.090 1.073	0.814 0.802	0.829 0.817	1.930 1.900	0.959 0.944		
	TEST PROB.	AB=C7 0.7984	AB=D7 0.3598	AB=E7 0.5418	AB=F7 0.7239	AB=G7 0.0558	AB=H7 0.5824	AB=I7 0.7073	AB=FGH7 0.6993	HOMO. 0.3847	TREND. 0.0555	0.4251
1950-54	OBS. EXP.	110 49.1	56 49.1	24 29.7	19 19.4	3 5.2	6 3.8	1 1.2	0 0.6	1 1.0		
	OBS./EXP. RELATIVE RISK		1.140 1.000	0.808 0.808	0.977 0.983	0.580 0.571	1.595 1.571	0.827 0.815	0.000 0.000	0.989 0.974		
	TEST PROB.	AB=C7 0.5688	AB=D7 0.7963	AB=E7 0.2867	AB=F7 0.6275	AB=G7 0.2141	AB=H7 0.5359	AB=I7 0.6725	AB=FGH7 0.4300	HOMO. 0.6952	TREND. 0.6653	0.5932
1955-58	OBS. EXP.	163 72.5	79 72.5	44 43.7	24 28.9	8 8.0	3 5.6	3 1.9	1 0.9	1 1.5		
	OBS./EXP. RELATIVE RISK		1.090 1.000	1.006 1.006	0.829 0.783	0.997 0.942	0.536 0.507	1.595 1.510	1.144 1.081	0.682 0.644		
	TEST PROB.	AB=C7 0.3016	AB=D7 0.5834	AB=E7 0.8366	AB=F7 0.4934	AB=G7 0.4219	AB=H7 0.6996	AB=I7 0.7825	AB=FGH7 0.7291	HOMO. 0.4323	TREND. 0.3356	0.6645
1959-62	OBS. EXP.	165 73.2	81 73.2	42 44.1	28 29.2	7 8.6	3 5.8	1 1.9	2 0.9	1 1.4		
	OBS./EXP. RELATIVE RISK		1.107 1.000	0.953 0.953	0.958 0.913	0.816 0.778	0.519 0.495	0.532 0.507	2.230 2.125	0.734 0.671		
	TEST PROB.	AB=C7 0.6459	AB=D7 0.7174	AB=E7 0.8442	AB=F7 0.7569	AB=G7 0.4281	AB=H7 0.6891	AB=I7 0.7009	AB=FGH7 0.8015	HOMO. 0.5967	TREND. 0.7156	0.7290
1963-66	OBS. EXP.	205 90.9	93 90.9	56 54.0	31 37.0	16 10.6	3 7.3	2 2.4	4 1.0	0 1.8		
	OBS./EXP. RELATIVE RISK		1.023 1.000	1.036 1.036	0.838 0.815	1.515 1.472	0.412 0.401	0.818 0.796	3.978 3.869	0.000 0.000		
	TEST PROB.	AB=C7 0.7875	AB=D7 0.1728	AB=E7 0.3986	AB=F7 0.6538	AB=G7 0.3486	AB=H7 0.8855	AB=I7 0.5859	AB=FGH7 0.7997	HOMO. 0.4389	TREND. 0.0152	0.6029
1967-70	OBS. EXP.	235 104.3	114 104.3	53 61.9	42 42.5	10 12.1	10 8.0	3 2.8	2 1.2	1 2.2		
	OBS./EXP. RELATIVE RISK		1.093 1.000	0.856 0.856	0.988 0.984	0.830 0.826	1.242 1.236	1.070 1.065	1.710 1.702	0.451 0.449		
	TEST PROB.	AB=C7 0.5462	AB=D7 0.6970	AB=E7 0.3785	AB=F7 0.4375	AB=G7 0.3990	AB=H7 0.7858	AB=I7 0.6153	AB=FGH7 0.4337	HOMO. 0.5633	TREND. 0.7417	0.5763
1971-74	OBS. EXP.	234 103.9	106 103.9	62 61.9	34 42.8	16 11.4	7 7.8	2 2.7	1 1.3	6 2.2		
	OBS./EXP. RELATIVE RISK		1.020 1.000	1.001 1.001	0.794 0.784	1.401 1.383	0.894 0.884	0.747 0.738	0.789 0.779	2.730 2.695		
	TEST PROB.	AB=C7 0.8374	AB=D7 0.2202	AB=E7 0.6288	AB=F7 0.6814	AB=G7 0.6460	AB=H7 0.0641	AB=I7 0.6792	AB=FGH7 0.4125	HOMO. 0.2659	TREND. 0.1508	0.0440
1975-78	OBS. EXP.	257 113.0	117 113.0	63 69.4	50 47.5	13 12.4	7 8.8	1 2.5	4 1.5	2 1.9		
	OBS./EXP. RELATIVE RISK		1.036 1.000	0.908 0.908	1.053 1.066	1.046 1.059	0.796 0.806	0.392 0.397	2.713 2.749	1.070 1.085		
	TEST PROB.	AB=C7 0.4123	AB=D7 0.4588	AB=E7 0.6376	AB=F7 0.8089	AB=G7 0.1268	AB=H7 0.4195	AB=I7 0.4643	AB=FGH7 0.5568	HOMO. 0.4490	TREND. 0.4596	0.3628

TABLE 31-12 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-12

HIROSHIMA, FEMALE, ALL AGES

YEAR	CLASS	T=45 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	1584	728	385	312	91	37	11	11	9
TOTAL	EXP.	735.7	391.2	308.4	80.6	37.8	15.1	7.2	8.1	
	OBS./EXP.	0.990	0.984	1.012	1.129	0.980	0.729	1.535	1.111	
	RELATIVE RISK	1.000		1.024	1.144	0.992	0.738	1.554	1.125	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4045	0.2030	0.5130	0.7858	0.1791	0.4754	0.2856	0.4950	0.2363
1950-54	OBS.	87	35	31	11	8	0	1	0	1
	EXP.	40.3	21.7	16.7	4.6	2.1	0.8	0.4	0.5	
	OBS./EXP.	0.868	1.427	0.660	1.755	0.000	1.258	0.000	2.095	
	RELATIVE RISK	1.000		0.620	1.649	0.000	1.182	0.000	1.969	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.8736	0.2189	0.8966	0.3777	0.8015	0.3055	0.7100	0.7992	0.4641
1955-58	OBS.	136	71	33	20	8	5	1	0	0
	EXP.	63.6	33.9	26.2	7.0	3.0	1.2	0.6	0.6	
	OBS./EXP.	1.116	0.975	0.764	0.856	1.666	0.854	0.000	0.000	
	RELATIVE RISK	1.000		0.715	0.802	1.561	0.800	0.000	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.8539	0.6891	0.3276	0.6429	0.8123	0.8187	0.8593	0.4487	0.6544
1959-62	OBS.	161	67	44	27	13	7	0	0	3
	EXP.	74.5	39.8	31.3	8.4	3.7	1.5	0.8	0.8	
	OBS./EXP.	0.895	1.106	0.864	1.554	1.886	0.000	0.000	3.737	
	RELATIVE RISK	1.000		0.892	1.606	1.947	0.000	0.000	3.858	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.6713	0.1538	0.1471	0.8667	0.8244	0.0912	0.4686	0.2190	0.6579
1963-66	OBS.	220	94	58	48	13	5	1	1	0
	EXP.	103.7	53.7	43.0	10.6	4.9	2.2	1.0	1.0	
	OBS./EXP.	0.906	1.080	1.117	1.231	1.019	0.458	1.023	0.000	
	RELATIVE RISK	1.000		1.157	1.275	1.056	0.475	1.059	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.2887	0.3197	0.4442	0.7732	0.4370	0.8426	0.2360	0.7029	0.8115
1967-70	OBS.	273	125	62	58	12	6	3	4	3
	EXP.	129.2	66.7	52.8	13.1	6.2	2.7	1.1	1.1	
	OBS./EXP.	0.968	0.929	1.099	0.918	0.969	1.114	3.608	2.421	
	RELATIVE RISK	1.000		1.151	0.961	1.015	1.167	3.780	2.536	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.2725	0.5692	0.4655	0.4129	0.0508	0.2193	0.3133	0.1610	0.0714
1971-74	OBS.	314	150	66	67	16	9	3	3	0
	EXP.	146.1	77.4	61.5	15.4	7.7	3.1	1.2	1.2	
	OBS./EXP.	1.027	0.852	1.087	1.040	1.175	0.968	2.451	0.000	
	RELATIVE RISK	1.000		1.125	1.076	1.216	1.002	2.537	0.000	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.2888	0.4779	0.3983	0.6753	0.2095	0.8647	0.2881	0.3914	0.4595
1975-78	OBS.	393	186	91	81	23	5	2	3	2
	EXP.	179.1	98.5	78.3	20.0	9.7	3.7	1.7	1.7	
	OBS./EXP.	1.039	0.924	1.034	1.150	0.516	0.536	1.809	0.995	
	RELATIVE RISK	1.000		1.036	1.153	0.518	0.537	1.813	0.997	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4422	0.3538	0.4758	0.7266	0.3468	0.4702	0.3762	0.8198	0.5679

TABLE 31-13 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-13

NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	331 76.3	69 76.3	121 109.6	73 69.4	23 23.0	25 24.0	9 11.7	1 5.0	5 7.0
	OBS./EXP. RELATIVE RISK		0.904 1.000	1.104 1.000	1.052 1.030	1.000 0.978	1.042 1.020	0.768 0.752	0.199 0.194	0.713 0.697
	TEST PROB.	AB=C? 0.4541	AB=D? 0.5604	AB=E? 0.4800	AB=F? 0.7723	AB=G? 0.9284	AB=H? 0.7577	AB=I? 0.4950	AB=J? 0.8196	AB=K? 0.9207
										TREND, 0.9488
1950-54	OBS. EXP.	27 6.1	9 6.1	7 9.3	6 6.1	1 2.1	4 1.7	0 0.9	1 0.4	1 0.5
	OBS./EXP. RELATIVE RISK		1.482 1.000	0.755 1.000	0.658 0.631	0.474 0.455	2.309 2.214	0.000 0.000	2.835 2.718	1.865 1.788
	TEST PROB.	AB=C? 0.7616	AB=D? 0.7815	AB=E? 0.2286	AB=F? 0.8415	AB=G? 0.2877	AB=H? 0.3230	AB=I? 0.8110	AB=J? 0.2923	AB=K? 0.4318
										TREND, 0.1665
1955-58	OBS. EXP.	34 7.6	7 7.6	13 11.5	5 7.7	5 2.8	3 2.2	1 1.1	0 0.4	0 0.7
	OBS./EXP. RELATIVE RISK		0.919 1.000	1.126 1.000	0.651 0.624	1.812 1.737	1.367 1.311	0.939 0.900	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7951	AB=D? 0.2963	AB=E? 0.4091	AB=F? 0.5750	AB=G? 0.3050	AB=H? 0.8249	AB=I? 0.6001	AB=J? 0.6083	AB=K? 0.7847
										TREND, 0.7173
1959-62	OBS. EXP.	41 9.2	5 9.2	14 13.9	13 8.9	7 3.6	1 2.8	0 1.3	0 0.6	1 0.9
	OBS./EXP. RELATIVE RISK		0.545 1.000	1.010 1.000	1.466 1.777	1.964 2.381	0.359 0.435	0.000 0.000	0.000 0.000	1.082 1.312
	TEST PROB.	AB=C? 0.1560	AB=D? 0.1128	AB=E? 0.7983	AB=F? 0.5515	AB=G? 0.8073	AB=H? 0.3644	AB=I? 0.0928	AB=J? 0.8449	AB=K? 0.7919
										TREND, 0.7837
1963-66	OBS. EXP.	53 12.0	8 12.0	23 17.9	13 11.3	3 4.4	4 3.7	1 1.8	0 0.3	1 1.2
	OBS./EXP. RELATIVE RISK		0.669 1.000	1.287 1.000	1.153 1.110	0.690 0.664	1.067 1.027	0.557 0.537	0.000 0.000	0.842 0.810
	TEST PROB.	AB=C? 0.4737	AB=D? 0.7382	AB=E? 0.5102	AB=F? 0.7508	AB=G? 0.8340	AB=H? 0.6350	AB=I? 0.5374	AB=J? 0.7216	AB=K? 0.8040
										TREND, 0.6906
1967-70	OBS. EXP.	56 13.3	12 13.3	24 18.1	11 11.3	2 4.7	3 4.4	3 2.2	0 0.8	1 1.1
	OBS./EXP. RELATIVE RISK		0.901 1.000	1.324 1.000	0.976 0.853	0.427 0.373	0.677 0.592	1.363 1.191	0.000 0.000	0.896 0.783
	TEST PROB.	AB=C? 0.6717	AB=D? 0.8773	AB=E? 0.7759	AB=F? 0.4082	AB=G? 0.8412	AB=H? 0.6463	AB=I? 0.8061	AB=J? 0.7538	AB=K? 0.8397
										TREND, 0.7770
1971-74	OBS. EXP.	71 16.7	17 16.7	27 22.1	14 14.4	5 6.3	4 6.1	4 3.0	0 1.1	0 1.3
	OBS./EXP. RELATIVE RISK		1.020 1.000	1.221 1.000	0.971 0.855	0.793 0.699	0.661 0.582	1.337 1.178	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6734	AB=D? 0.7574	AB=E? 0.8260	AB=F? 0.4220	AB=G? 0.3633	AB=H? 0.8733	AB=I? 0.7421	AB=J? 0.8602	AB=K? 0.7827
										TREND, 0.9402
1975-78	OBS. EXP.	49 12.1	11 12.1	13 15.1	13 9.0	5 4.6	6 4.2	0 2.2	0 0.9	1 0.9
	OBS./EXP. RELATIVE RISK		0.908 1.000	0.861 1.000	1.450 1.644	1.093 1.240	1.425 1.616	0.000 0.000	0.000 0.000	1.032 1.227
	TEST PROB.	AB=C? 0.1844	AB=D? 0.4321	AB=E? 0.3111	AB=F? 0.8944	AB=G? 0.8390	AB=H? 0.3857	AB=I? 0.2108	AB=J? 0.5804	AB=K? 0.8798
										TREND, 0.6999

TABLE 31-14 DISEASES OF CIRCULATORY SYSTEM EXCEPT CEREBROVASCULAR DISEASE

TABLE 31-14

NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE (4 RAD)										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-75 TOTAL	OBS. EXP.	440 76.0	75 76.0	163 183.9	108 104.5	42 30.5	25 22.6	18 11.8	3 5.0	6 5.8		
	OBS./EXP. RELATIVE RISK		0.987 1.000	0.887 1.000	1.033 1.128	1.379 1.505	1.104 1.205	1.530 1.671	0.600 0.655	1.040 1.135		
	TEST PROB.	AB=C? 0.2603	AB=D? 0.0670	AB=E? 0.2929	AB=F? 0.0836	AB=G? 0.7539	AB=H? 0.4403	AB=CD? 0.1000	AB=E-H? 0.1613	AB=FGH? 0.2059	HOMO. 0.1248	TREND. 0.1176
1950-54	OBS. EXP.	52	12 9.2	11 21.4	16 12.4	6 3.5	3 2.9	2 1.4	0 0.6	2 0.7		
	OBS./EXP. RELATIVE RISK		1.308 1.000	0.515 1.000	1.293 1.717	1.714 2.277	1.049 1.393	1.382 1.835	0.000 0.000	2.801 3.720		
	TEST PROB.	AB=C? 0.1439	AB=D? 0.1408	AB=E? 0.4202	AB=F? 0.4011	AB=G? 0.8015	AB=H? 0.2155	AB=CD? 0.0878	AB=E-H? 0.2586	AB=FGH? 0.2766	HOMO. 0.1037	TREND. 0.0896
1955-58	OBS. EXP.	39	6 6.4	14 16.6	8 9.7	6 2.7	2 1.9	3 0.9	0 0.4	0 0.4		
	OBS./EXP. RELATIVE RISK		0.945 1.000	0.844 1.000	0.822 0.943	2.206 2.530	1.057 1.212	3.214 3.688	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.5729	AB=D? 0.1098	AB=E? 0.3918	AB=F? 0.1187	AB=G? 0.7948	AB=H? 0.7979	AB=CD? 0.3540	AB=E-H? 0.3332	AB=FGH? 0.3321	HOMO. 0.1814	TREND. 0.2690
1959-62	OBS. EXP.	47	6 7.7	21 19.8	10 11.5	5 3.3	2 2.3	2 1.2	0 0.5	1 0.5		
	OBS./EXP. RELATIVE RISK		0.779 1.000	1.058 1.000	0.869 0.886	1.493 1.523	0.865 0.883	1.645 1.678	0.000 0.000	1.862 1.899		
	TEST PROB.	AB=C? 0.6271	AB=D? 0.3611	AB=E? 0.5947	AB=F? 0.3975	AB=G? 0.3111	AB=H? 0.3087	AB=CD? 0.4568	AB=E-H? 0.4286	AB=FGH? 0.4184	HOMO. 0.2890	TREND. 0.2740
1963-66	OBS. EXP.	49	9 8.2	13 20.7	16 11.8	4 3.5	5 2.4	2 1.3	0 0.6	0 0.6		
	OBS./EXP. RELATIVE RISK		1.096 1.000	0.629 1.000	1.360 1.785	1.129 1.481	2.076 2.724	1.566 2.055	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.1265	AB=D? 0.4236	AB=E? 0.1126	AB=F? 0.4405	AB=G? 0.8037	AB=H? 0.9056	AB=CD? 0.1272	AB=E-H? 0.1915	AB=FGH? 0.4347	HOMO. 0.2597	TREND. 0.4165
1967-70	OBS. EXP.	68	8 12.1	26 28.6	22 15.6	4 4.9	5 3.2	1 1.8	1 0.8	1 0.9		
	OBS./EXP. RELATIVE RISK		0.660 1.000	0.911 1.000	1.409 1.686	0.816 0.976	1.544 1.847	0.560 0.670	1.198 1.433	1.060 1.269		
	TEST PROB.	AB=C? 0.1031	AB=D? 0.5439	AB=E? 0.2711	AB=F? 0.7001	AB=G? 0.3521	AB=H? 0.3837	AB=CD? 0.1491	AB=E-H? 0.3453	AB=FGH? 0.5364	HOMO. 0.5617	TREND. 0.3727
1971-74	OBS. EXP.	86	13 15.6	38 36.5	14 18.2	11 6.2	5 4.4	3 2.3	1 1.0	1 1.1		
	OBS./EXP. RELATIVE RISK		0.832 1.000	1.041 1.000	0.744 0.760	1.761 1.800	1.142 1.167	1.283 1.311	0.985 1.007	0.931 0.951		
	TEST PROB.	AB=C? 0.7669	AB=D? 0.1298	AB=E? 0.4345	AB=F? 0.4114	AB=G? 0.5238	AB=H? 0.5720	AB=CD? 0.4667	AB=E-H? 0.4674	AB=FGH? 0.4302	HOMO. 0.5667	TREND. 0.2937
1975-78	OBS. EXP.	99	21 17.4	40 41.8	22 21.9	6 6.5	3 5.7	5 2.8	1 1.3	1 1.6		
	OBS./EXP. RELATIVE RISK		1.205 1.000	0.956 1.000	1.004 0.975	0.927 0.900	0.526 0.511	1.806 1.755	0.775 0.753	0.651 0.613		
	TEST PROB.	AB=C? 0.5571	AB=D? 0.6142	AB=E? 0.8373	AB=F? 0.2647	AB=G? 0.6671	AB=H? 0.7292	AB=CD? 0.5794	AB=E-H? 0.6800	AB=FGH? 0.4905	HOMO. 0.7441	TREND. 0.6074

TABLE 32-1 DISEASES OF BLOOD AND BLOOD-FORMING ORGANS

TABLE 32-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-73	OBS. TOTAL	132	38	32	29	10	7	7	3	6
	EXP.		52.7	36.9	25.4	7.5	5.1	2.2	1.0	1.3
	OBS./EXP.		0.720	0.868	1.143	1.326	1.374	3.252	3.076	4.744
	RELATIVE RISK		1.000		1.463	1.698	1.761	4.163	3.938	6.072
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1310	0.1747	0.1973	0.0072	0.0925	0.0010	0.0781	0.0004	0.0000
1950-54	OBS. TOTAL	18	3	3	5	0	2	2	0	3
	EXP.		7.2	5.1	3.3	1.0	0.7	0.3	0.1	0.2
	OBS./EXP.		0.415	0.588	1.504	0.000	2.726	6.509	0.000	15.347
	RELATIVE RISK		1.000		3.090	0.000	5.600	13.371	0.000	31.523
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.1305	0.8072	0.0865	0.0481	0.7661	0.0000	0.2053	0.0009	0.0005
1955-58	OBS. TOTAL	20	4	3	5	3	0	1	2	0
	EXP.		8.4	5.3	3.7	1.1	0.6	0.3	0.2	0.2
	OBS./EXP.		0.713	0.561	1.364	2.841	0.000	3.115	12.732	0.000
	RELATIVE RISK		1.000		2.086	4.037	0.000	4.762	19.462	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2427	0.1041	0.2102	0.2602	0.0074	0.7775	0.1114	0.1850	0.0389
1959-62	OBS. TOTAL	23	6	6	5	2	0	3	0	1
	EXP.		9.7	6.1	4.5	1.3	0.8	0.3	0.1	0.2
	OBS./EXP.		0.617	0.988	1.116	1.552	0.000	9.272	0.000	5.645
	RELATIVE RISK		1.000		1.472	2.043	0.000	12.207	0.000	7.432
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4107	0.4460	0.8055	0.0020	0.7699	0.2509	0.3117	0.0665	0.0028
1963-66	OBS. TOTAL	25	8	7	4	2	2	1	1	0
	EXP.		10.0	7.0	4.8	1.4	1.0	0.4	0.2	0.2
	OBS./EXP.		0.803	1.002	0.828	1.404	2.094	2.346	5.152	0.000
	RELATIVE RISK		1.000		0.935	1.526	2.365	2.650	5.826	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5765	0.3811	0.4163	0.2010	0.2607	0.7934	0.4318	0.2341	0.3526
1967-70	OBS. TOTAL	14	4	6	5	0	1	0	0	0
	EXP.		6.1	4.5	3.2	0.9	0.6	0.3	0.1	0.2
	OBS./EXP.		0.653	1.330	1.556	0.000	1.546	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.656	0.000	1.645	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3673	0.8431	0.3518	0.7940	0.7740	0.7775	0.4378	0.5564	0.8188
1971-74	OBS. TOTAL	16	5	3	4	1	1	0	0	2
	EXP.		6.7	4.4	3.0	0.9	0.6	0.2	0.1	0.1
	OBS./EXP.		0.747	0.683	1.315	1.176	1.724	0.000	0.000	14.845
	RELATIVE RISK		1.000		1.822	1.631	2.390	0.000	0.000	20.576
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.3490	0.3380	0.2890	0.7767	0.7675	0.0013	0.3287	0.0957	0.0907
1975-78	OBS. TOTAL	14	6	4	1	2	1	0	0	0
	EXP.		4.6	4.5	2.7	0.9	0.7	0.3	0.1	0.2
	OBS./EXP.		1.305	0.886	0.364	2.226	1.506	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.333	2.029	1.372	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8483	0.4061	0.3454	0.7954	0.7788	0.7807	0.6940	0.6431	0.8243

TABLE 33-1 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-1

MIYOSHIWA + NAGASAKI, MALE + FEMALE, ALL AGES

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS.	1822	751	498	350	88	70	32	9	24
TOTAL	EXP.		730.3	516.5	350.0	100.2	87.2	27.7	12.5	17.5
	OBS./EXP.		1.028	0.964	1.000	0.878	1.041	1.157	0.717	1.368
	RELATIVE RISK		1.000		0.998	0.877	1.040	1.155	0.716	1.366
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.5275	0.8264	0.4576	0.3295	0.7938	0.1677	0.6617	0.2992	0.2773	0.4327
	TREND.									0.1787
1950-54	OBS.	323	130	95	67	12	14	2	2	1
EXP.			126.1	93.7	63.2	17.9	11.9	6.7	2.2	3.3
	OBS./EXP.		1.031	1.014	1.061	0.670	1.175	0.424	0.914	0.306
	RELATIVE RISK		1.000		1.036	0.654	1.148	0.414	0.893	0.299
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4549	0.8707	0.4285	0.8586	0.6049	0.8605	0.6235	0.7312	0.9014	0.5505
	TREND.									0.9408
1955-58	OBS.	291	135	72	54	12	12	1	1	4
EXP.			116.4	82.6	56.3	16.2	10.4	4.3	2.0	2.7
	OBS./EXP.		1.160	0.871	0.959	0.739	1.151	0.230	0.508	1.500
	RELATIVE RISK		1.000		0.922	0.710	1.107	0.221	0.488	1.442
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.6567	0.3265	0.4894	0.9088	0.7660	0.4188	0.7612	0.6650	0.8110	0.1977
	TREND.									0.7011
1959-62	OBS.	250	103	76	45	10	10	3	1	2
EXP.			99.0	71.0	48.7	14.4	9.1	3.7	1.7	2.3
	OBS./EXP.		1.040	1.070	0.925	0.692	1.094	0.815	0.591	0.858
	RELATIVE RISK		1.000		0.879	0.658	1.039	0.774	0.562	0.815
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.7270	0.5440	0.4561	0.8844	0.7355	0.6417	0.8198	0.6438	0.7395	0.9101
	TREND.									0.7707
1963-66	OBS.	245	94	62	55	16	4	9	1	4
EXP.			99.9	68.0	47.1	13.4	8.9	3.7	1.7	2.3
	OBS./EXP.		0.941	0.912	1.168	1.198	0.447	2.419	0.603	1.712
	RELATIVE RISK		1.000		1.256	1.259	0.481	2.603	0.649	1.842
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.1727	0.2955	0.3873	0.0362	0.7059	0.3062	0.1380	0.3915	0.0623	0.0433
	TREND.									0.0701
1967-70	OBS.	253	103	73	45	14	12	2	2	2
EXP.			104.1	70.3	47.8	13.5	9.3	4.0	1.7	2.4
	OBS./EXP.		0.990	1.038	0.942	1.037	1.287	0.505	1.188	0.851
	RELATIVE RISK		1.000		0.933	1.028	1.275	0.500	1.177	0.843
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.6498	0.4708	0.3365	0.8154	0.4074	0.6361	0.6169	0.4668	0.7442	0.9511
	TREND.									0.5722
1971-74	OBS.	227	84	63	39	15	10	9	0	7
EXP.			91.9	64.5	42.6	12.2	8.5	3.6	1.6	2.1
	OBS./EXP.		0.914	0.977	0.914	1.233	1.178	2.484	0.000	3.265
	RELATIVE RISK		1.000		0.973	1.312	1.253	2.642	0.000	3.472
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.5607	0.2707	0.3901	0.0290	0.8702	0.0168	0.4410	0.0409	0.0146	0.0018
	TREND.									0.0002
1975-78	OBS.	233	102	57	45	9	8	6	2	4
EXP.			93.3	66.5	44.3	12.4	9.0	3.7	1.7	2.2
	OBS./EXP.		1.093	0.857	1.017	0.725	0.893	1.643	1.166	1.816
	RELATIVE RISK		1.000		1.022	0.728	0.898	1.651	1.172	1.825
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.
PROB.	0.4761	0.7812	0.6102	0.2344	0.3981	0.2792	0.6047	0.2829	0.1479	0.5063
	TREND.									0.1186

TABLE 33-2 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-2

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 0-9

YEAR	CLASS	T-65 TOTAL CASE IN RAO								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	37	13	13	5	4	0	2	0	0
TOTAL	EXP.	12.8	11.9	8.1	1.9	1.1	0.6	0.2	0.6	
	OBS./EXP.	1.018	1.089	0.621	2.084	0.000	3.351	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.590	1.981	0.000	3.184	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	NOHQ.
PROB.	0.8228	0.2920	0.8592	0.3127	0.7903	0.8056	0.6533	0.6736	0.3812	0.2879
	TREND.									0.5173
1950-54	OBS.	10	3	2	3	2	0	0	0	0
EXP.		3.6	3.1	2.1	0.5	0.3	0.2	0.1	0.1	
	OBS./EXP.	0.827	0.636	1.410	3.924	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		1.910	5.313	0.000	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	NOHQ.
PROB.	0.4250	0.1894	0.7871	0.7762	0.7669	0.7714	0.2109	0.8133	0.7916	0.5587
	TREND.									0.5361
1955-58	OBS.	4	2	1	0	1	0	0	0	0
EXP.		1.6	1.2	0.8	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.	1.266	0.841	0.000	5.336	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.000	4.970	0.000	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	NOHQ.
PROB.	0.8414	0.2637	0.7715	0.7655	0.7626	0.7532	0.5731	0.7811	0.7706	0.6989
	TREND.									0.5455
1959-62	OBS.	3	0	3	0	0	0	0	0	0
EXP.		0.6	1.2	0.8	0.2	0.1	0.1	0.0	0.0	0.1
	OBS./EXP.	0.000	2.553	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	NOHQ.
PROB.	0.8786	0.8016	0.7886	0.7779	0.7675	0.7724	0.8058	0.8174	0.7947	0.7016
	TREND.									0.6906
1963-66	OBS.	4	4	0	0	0	0	0	0	0
EXP.		1.6	1.2	0.8	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.	2.484	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	NOHQ.
PROB.	0.8686	0.7945	0.7303	0.7718	0.7652	0.7674	0.8838	0.7996	0.7826	0.5025
	TREND.									0.7708
1967-70	OBS.	5	1	2	1	1	0	0	0	0
EXP.		2.1	1.5	1.0	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.	0.479	1.375	1.008	4.331	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		1.190	5.114	0.000	0.000	0.000	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	NOHQ.
PROB.	0.4011	0.2638	0.7774	0.7695	0.7643	0.7669	0.3710	0.7942	0.7793	0.8236
	TREND.									0.5133
1971-74	OBS.	2	0	1	0	0	0	1	0	0
EXP.		0.4	0.8	0.5	0.1	0.1	0.1	0.1	0.0	0.0
	OBS./EXP.	0.000	1.277	0.000	0.000	0.000	0.000	19.731	0.000	0.000
	RELATIVE RISK	1.000		0.000	0.000	0.000	0.000	23.065	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	NOHQ.
PROB.	0.8338	0.7823	0.7755	0.2446	0.7662	0.7664	0.8470	0.2589	0.2500	0.0082
	TREND.									0.0783
1975-78	OBS.	9	3	4	1	0	0	1	0	0
EXP.		2.9	3.0	2.0	0.5	0.3	0.2	0.1	0.1	0.1
	OBS./EXP.	1.045	1.332	0.493	0.000	0.000	0.000	6.539	0.000	0.000
	RELATIVE RISK	1.000		0.414	0.000	0.000	0.000	5.487	0.000	0.000
TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=E-H?	AB=FGH?	NOHQ.
PROB.	0.8111	0.8259	0.8053	0.2637	0.7724	0.7791	0.8513	0.3764	0.2960	0.4831
	TREND.									0.4586

TABLE 33-3 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-3

MIYOSHIKAWA + NAGASAKI, MALE + FEMALE, AGE 170 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	100 38.5	34 31.8	33 31.8	13 15.6	3 4.7	8 4.8	5 2.2	0 1.0	4 1.5		
	OBS./EXP. RELATIVE RISK		0.883 1.000	1.038 1.000	0.835 0.876	0.637 0.689	1.660 1.742	2.309 2.423	0.000 0.000	2.722 2.855		
	TEST PROB.	AB=C? 0.6514	AB=D? 0.7383	AB=E? 0.2049	AB=F? 0.1529	AB=G? 0.8381	AB=H? 0.1256	AB=CD? 0.7068	AB=E-H? 0.0681	AB=FGH? 0.1093	HOMO. 0.0706	TREND. 0.0081
1950-54	OBS. EXP.	5 1.8	1 1.8	2 1.7	1 0.7	0 0.3	1 0.3	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.547 1.000	1.191 1.000	1.336 1.533	0.000 0.000	3.457 3.967	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3308	AB=D? 0.7904	AB=E? 0.2744	AB=F? 0.7770	AB=G? 0.7666	AB=H? 0.7714	AB=CD? 0.3742	AB=E-H? 0.3170	AB=FGH? 0.7918	HOMO. 0.9034	TREND. 0.4813
1955-58	OBS. EXP.	9 4.1	7 4.1	1 2.6	0 1.4	0 0.3	1 0.3	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.716 1.000	0.386 0.000	0.000 0.000	0.000 0.000	3.629 3.025	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2884	AB=D? 0.2046	AB=E? 0.2216	AB=F? 0.7764	AB=G? 0.7720	AB=H? 0.7749	AB=CD? 0.9051	AB=E-H? 0.3671	AB=FGH? 0.7991	HOMO. 0.4254	TREND. 0.5420
1959-62	OBS. EXP.	5 2.0	2 2.0	2 1.5	0 0.2	0 0.2	1 0.2	0 0.1	0 0.0	0 0.1		
	OBS./EXP. RELATIVE RISK		0.992 1.000	1.319 1.000	0.000 0.000	0.000 0.000	4.586 4.051	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8491	AB=D? 0.7957	AB=E? 0.2680	AB=F? 0.7784	AB=G? 0.7681	AB=H? 0.7725	AB=CD? 0.8675	AB=E-H? 0.3044	AB=FGH? 0.7953	HOMO. 0.7522	TREND. 0.4620
1963-66	OBS. EXP.	9 3.6	2 3.6	3 2.6	2 1.5	0 0.4	0 0.4	2 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.554 1.000	1.139 1.000	1.329 1.660	0.000 0.000	0.000 0.000	11.111 14.123	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3738	AB=D? 0.8006	AB=E? 0.8009	AB=F? 0.0368	AB=G? 0.7697	AB=H? 0.7737	AB=CD? 0.3788	AB=E-H? 0.3768	AB=FGH? 0.1614	HOMO. 0.0038	TREND. 0.0746
1967-70	OBS. EXP.	22 8.5	5 8.5	7 7.0	4 3.4	1 1.0	2 1.1	1 0.5	0 0.2	2 0.3		
	OBS./EXP. RELATIVE RISK		0.590 1.000	1.003 1.000	1.178 1.517	0.965 1.243	1.850 2.383	1.995 2.570	0.000 0.000	6.430 8.282		
	TEST PROB.	AB=C? 0.4378	AB=D? 0.3730	AB=E? 0.4378	AB=F? 0.2947	AB=G? 0.7792	AB=H? 0.0735	AB=CD? 0.4201	AB=E-H? 0.1076	AB=FGH? 0.1361	HOMO. 0.0862	TREND. 0.0032
1971-74	OBS. EXP.	24 9.5	7 9.5	12 8.6	2 4.0	1 1.3	2 1.4	1 0.6	0 0.3	1 0.6		
	OBS./EXP. RELATIVE RISK		0.739 1.000	1.391 1.000	0.503 0.479	0.785 0.748	1.462 1.392	1.611 1.534	0.000 0.000	2.429 2.314		
	TEST PROB.	AB=C? 0.6143	AB=D? 0.6623	AB=E? 0.3894	AB=F? 0.3310	AB=G? 0.7899	AB=H? 0.2963	AB=CD? 0.8002	AB=E-H? 0.4317	AB=FGH? 0.3795	HOMO. 0.6921	TREND. 0.2070
1975-78	OBS. EXP.	24 9.1	10 9.1	6 7.7	4 3.8	1 1.1	1 1.2	1 0.5	0 0.2	1 0.4		
	OBS./EXP. RELATIVE RISK		1.097 1.000	0.780 1.000	1.064 1.117	0.972 0.916	0.845 0.888	1.937 2.035	0.000 0.000	2.829 2.971		
	TEST PROB.	AB=C? 0.4217	AB=D? 0.5953	AB=E? 0.5734	AB=F? 0.3120	AB=G? 0.7835	AB=H? 0.2818	AB=CD? 0.4378	AB=E-H? 0.4152	AB=FGH? 0.4077	HOMO. 0.9352	TREND. 0.2252

TABLE 33-4 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-4

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 20-34

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	187	83	37	36	17	7	4	0	3
	EXP.		74.3	53.4	32.7	10.2	8.0	4.0	1.9	2.6
	OBS./EXP.		1.116	0.693	1.099	1.659	0.875	1.012	0.000	1.245
	RELATIVE RISK		1.000		1.170	1.766	0.931	1.077	0.000	1.325
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3205	0.0925	0.6609	0.4634	0.8901	0.4108	0.1428	0.6685	0.6414
										0.0698
										0.4937
1950-54	OBS.	17	5	5	5	2	0	0	0	0
	EXP.		6.9	4.8	3.0	0.9	0.7	0.3	0.2	0.2
	OBS./EXP.		0.729	1.039	1.639	2.162	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.913	2.523	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.2865	0.4397	0.5310	0.8016	0.7809	0.7869	0.2037	0.8766	0.8332
										0.7359
										0.7584
1955-58	OBS.	27	11	4	6	4	2	0	0	0
	EXP.		10.0	7.6	4.7	1.7	1.4	0.8	0.3	0.4
	OBS./EXP.		1.105	0.523	1.276	2.297	1.382	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.497	2.695	1.622	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3625	0.1955	0.3775	0.8327	0.7965	0.7974	0.1923	0.6881	0.8732
										0.4418
										0.6913
1959-62	OBS.	13	8	3	1	0	1	0	0	0
	EXP.		5.2	3.5	2.2	0.8	0.6	0.3	0.1	0.2
	OBS./EXP.		1.529	0.852	0.449	0.000	1.641	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.358	0.000	1.306	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.8278	0.8454	0.3857	0.8049	0.7823	0.7240	0.8785	0.7226	0.8359
										0.7859
										0.8031
1963-66	OBS.	25	10	2	9	3	0	1	0	0
	EXP.		9.5	7.4	4.5	1.4	1.1	0.6	0.3	0.3
	OBS./EXP.		1.052	0.272	2.021	2.160	0.000	1.784	0.000	0.000
	RELATIVE RISK		1.000		2.541	3.037	0.000	2.508	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.0627	0.2281	0.5467	0.3035	0.7976	0.7296	0.0426	0.7432	0.4417
										0.0836
										0.6276
1967-70	OBS.	29	18	5	4	2	0	0	0	0
	EXP.		11.0	8.6	5.1	1.6	1.3	0.6	0.3	0.4
	OBS./EXP.		1.633	0.581	0.778	1.258	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.664	1.082	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7574	0.5153	0.8795	0.8334	0.8011	0.8085	0.7161	0.9340	0.8823
										0.2237
										0.9471
1971-74	OBS.	30	12	9	3	1	2	2	0	1
	EXP.		12.1	8.5	5.1	1.6	1.3	0.7	0.3	0.4
	OBS./EXP.		0.995	1.055	0.526	0.622	1.530	3.066	0.000	2.574
	RELATIVE RISK		1.000		0.574	0.610	1.500	3.007	0.000	2.525
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7930	0.5513	0.3796	0.2249	0.7903	0.2860	0.8023	0.2346	0.2237
										0.5826
										0.1073
1975-78	OBS.	46	19	9	8	5	2	1	0	2
	EXP.		19.7	13.0	8.0	2.2	1.6	0.7	0.4	0.5
	OBS./EXP.		0.966	0.694	0.997	2.284	1.275	1.443	0.000	3.549
	RELATIVE RISK		1.000		1.162	2.662	1.486	1.681	0.000	4.686
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4524	0.1369	0.3817	0.3363	0.7966	0.1877	0.2523	0.2733	0.3099
										0.2042
										0.0266

TABLE 33-5 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-5

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+		
		A	B	C	D	E	F	G	H			
1950-78	OBS.	595	237	162	115	31	27	13	4	6		
TOTAL	EXP.	240.4	162.5	114.8	32.5	26.6	9.3	4.3	6.6			
	OBS./EXP.	0.986	0.997	1.001	0.954	1.098	1.399	0.927	0.913			
	RELATIVE RISK	1.000		1.011	0.964	1.108	1.413	0.936	0.922			
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4930	0.5925	0.3896	0.2185	0.5777	0.5988	0.5066	0.2885	0.3389	0.9641	0.3331
1950-54	OBS.	80	37	19	13	2	6	2	1	0		
	EXP.	30.7	22.5	15.4	4.6	3.6	1.4	0.7	1.0			
	OBS./EXP.	1.204	0.843	0.843	0.436	1.689	1.413	1.396	0.000			
	RELATIVE RISK	1.000		0.802	0.414	1.607	1.344	1.328	0.000			
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.7223	0.8498	0.2756	0.3830	0.3545	0.8472	0.8194	0.3579	0.5764	0.4458	0.6344
1955-58	OBS.	63	25	19	13	2	2	0	0	2		
	EXP.	24.4	17.3	12.3	3.5	2.6	1.1	0.5	0.8			
	OBS./EXP.	1.026	1.070	1.053	0.563	0.758	0.000	0.000	2.636			
	RELATIVE RISK	1.000		1.008	0.541	0.726	0.000	0.000	2.525			
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4668	0.7832	0.6758	0.8462	0.8100	0.3541	0.6214	0.6831	0.6356	0.7107	0.4943
1959-62	OBS.	74	29	20	13	7	3	1	1	0		
	EXP.	29.4	20.6	14.1	4.1	3.2	1.2	0.6	0.9			
	OBS./EXP.	0.987	0.971	0.919	1.707	0.949	0.835	1.801	0.000			
	RELATIVE RISK	1.000		0.937	1.741	0.968	0.852	1.836	0.000			
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.5914	0.2241	0.5686	0.6344	0.3186	0.8358	0.4295	0.6381	0.6770	0.8411	0.6018
1963-66	OBS.	85	32	27	14	5	2	3	0	2		
	EXP.	34.4	23.4	16.3	4.5	3.5	1.3	0.6	1.0			
	OBS./EXP.	0.931	1.155	0.858	1.101	0.567	2.290	0.000	2.074			
	RELATIVE RISK	1.000		0.840	1.078	0.555	2.242	0.000	2.031			
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.7039	0.4362	0.7804	0.2639	0.8152	0.4935	0.6570	0.4413	0.2624	0.5784	0.2128
1967-70	OBS.	97	34	27	20	6	9	0	1	0		
	EXP.	41.0	25.4	18.5	5.1	3.9	1.4	0.6	1.0			
	OBS./EXP.	0.828	1.062	1.079	1.174	2.306	0.000	1.651	0.000			
	RELATIVE RISK	1.000		1.176	1.279	2.512	0.000	1.799	0.000			
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3709	0.4473	0.0526	0.8623	0.3224	0.8399	0.3272	0.2282	0.8315	0.1411	0.4564
1971-74	OBS.	98	38	24	19	8	3	4	0	2		
	EXP.	40.6	26.2	19.1	5.2	3.8	1.4	0.6	0.9			
	OBS./EXP.	0.933	0.915	0.996	1.540	0.780	2.770	0.000	2.141			
	RELATIVE RISK	1.000		1.074	1.661	0.841	2.988	0.000	2.309			
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4883	0.2332	0.6441	0.1122	0.8175	0.4195	0.3252	0.2999	0.1532	0.2914	0.6625
1975-78	OBS.	98	42	26	23	1	2	3	1	0		
	EXP.	39.9	26.5	19.0	5.3	4.0	1.4	0.6	0.9			
	OBS./EXP.	1.052	0.971	1.209	0.190	0.499	2.082	1.581	0.000			
	RELATIVE RISK	1.000		1.186	0.186	0.490	2.042	1.551	0.000			
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3434	0.9283	0.7977	0.2650	0.3259	0.8342	0.5664	0.6022	0.4236	0.3088	0.7554

TABLE 33-6 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-6

HIROSHIMA + NAGASAKI, MALE + FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	903 364.3	384 364.3	253 256.9	381 178.8	33 50.9	28 28.7	8 11.7	5 5.1	11 6.7		
	OBS./EXP. RELATIVE RISK	1.054 1.000		0.985 0.987	1.012 0.987	0.649 0.633	0.975 0.951	0.687 0.669	0.988 0.963	1.640 1.599		
	TEST PROB.	AB=C? 0.5550	AB=D? 0.9708	AB=E? 0.5929	AB=F? 0.8177	AB=G? 0.5636	AB=H? 0.1709	AB=I? 0.8127	AB=E-H? 0.5741	AB=FGH? 0.5250	HOMO. 0.1187	TREND. 0.5380
1950-54	OBS. EXP.	211 83.1	84 83.1	67 61.5	45 41.8	6 11.6	7 7.1	0 2.7	1 1.2	1 1.8		
	OBS./EXP. RELATIVE RISK	1.010 1.000		1.089 1.000	1.076 1.031	0.515 0.494	0.981 0.940	0.000 0.000	0.834 0.799	0.547 0.524		
	TEST PROB.	AB=C? 0.4854	AB=D? 0.9122	AB=E? 0.5818	AB=F? 0.9189	AB=G? 0.6423	AB=H? 0.7490	AB=I? 0.6795	AB=E-H? 0.8219	AB=FGH? 0.9021	HOMO. 0.4696	TREND. 0.9445
1955-58	OBS. EXP.	188 76.4	90 76.4	47 53.4	35 37.1	5 10.4	7 6.0	1 2.3	1 1.0	2 1.4		
	OBS./EXP. RELATIVE RISK	1.179 1.000		0.879 1.000	0.945 0.895	0.479 0.454	1.174 1.112	0.426 0.403	1.001 0.949	1.443 1.367		
	TEST PROB.	AB=C? 0.6757	AB=D? 0.9172	AB=E? 0.4431	AB=F? 0.9124	AB=G? 0.5799	AB=H? 0.3854	AB=I? 0.8252	AB=E-H? 0.5956	AB=FGH? 0.6874	HOMO. 0.3673	TREND. 0.6704
1959-62	OBS. EXP.	155 61.8	64 61.8	48 44.2	31 30.7	3 9.1	5 5.0	2 2.0	0 0.9	2 1.2		
	OBS./EXP. RELATIVE RISK	1.036 1.000		1.085 1.000	1.009 0.955	0.328 0.310	0.994 0.941	1.003 0.949	0.000 0.000	1.711 1.620		
	TEST PROB.	AB=C? 0.5841	AB=D? 0.9457	AB=E? 0.5574	AB=F? 0.5515	AB=G? 0.8388	AB=H? 0.3976	AB=I? 0.7976	AB=E-H? 0.5680	AB=FGH? 0.5687	HOMO. 0.5318	TREND. 0.6649
1963-66	OBS. EXP.	122 50.8	46 50.8	30 33.4	30 24.0	8 6.8	2 3.8	3 1.6	1 0.7	2 0.9		
	OBS./EXP. RELATIVE RISK	0.905 1.000		0.899 1.000	1.250 1.385	1.177 1.304	0.528 0.585	1.850 2.050	1.439 1.595	2.272 2.518		
	TEST PROB.	AB=C? 0.1635	AB=D? 0.3787	AB=E? 0.7678	AB=F? 0.3110	AB=G? 0.3371	AB=H? 0.4040	AB=I? 0.1489	AB=E-H? 0.4167	AB=FGH? 0.1755	HOMO. 0.5223	TREND. 0.0764
1967-70	OBS. EXP.	100 41.4	45 41.4	32 27.9	16 19.7	4 5.5	1 2.9	1 1.4	1 0.5	0 0.6		
	OBS./EXP. RELATIVE RISK	1.086 1.000		1.148 1.000	0.812 0.731	0.722 0.650	0.342 0.308	0.731 0.658	1.929 1.736	0.000 0.000		
	TEST PROB.	AB=C? 0.8214	AB=D? 0.7626	AB=E? 0.3505	AB=F? 0.6892	AB=G? 0.3223	AB=H? 0.8208	AB=I? 0.8532	AB=E-H? 0.8356	AB=FGH? 0.6896	HOMO. 0.7152	TREND. 0.8824
1971-74	OBS. EXP.	71 29.3	27 29.3	17 20.3	15 14.0	5 4.0	3 1.9	1 0.9	0 0.4	3 0.6		
	OBS./EXP. RELATIVE RISK	0.921 1.000		0.838 1.000	1.074 1.211	1.253 1.424	1.594 1.797	1.170 1.319	0.000 0.000	7.971 8.956		
	TEST PROB.	AB=C? 0.3700	AB=D? 0.3874	AB=E? 0.3409	AB=F? 0.3554	AB=G? 0.7930	AB=H? 0.0064	AB=I? 0.3109	AB=E-H? 0.0977	AB=FGH? 0.1288	HOMO. 0.0044	TREND. 0.0005
1975-78	OBS. EXP.	56 21.7	28 21.7	12 16.0	9 11.4	2 3.3	3 1.9	0 0.8	1 0.4	1 0.3		
	OBS./EXP. RELATIVE RISK	1.281 1.000		0.749 1.000	0.787 0.743	0.602 0.568	1.573 1.485	0.000 0.000	2.442 2.305	3.099 2.925		
	TEST PROB.	AB=C? 0.7456	AB=D? 0.7634	AB=E? 0.4572	AB=F? 0.8311	AB=G? 0.2928	AB=H? 0.2811	AB=I? 0.7929	AB=E-H? 0.4252	AB=FGH? 0.3268	HOMO. 0.3534	TREND. 0.2568

TABLE 33-7 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-7

HIROSHIMA - NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	982	395	274	182	50	36	19	6	18
TOTAL	EXP.		392.2	278.8	179.3	54.2	42.0	16.5	7.4	11.6
	OBS./EXP.		1.007	0.983	1.015	0.923	0.906	1.149	0.813	1.551
	RELATIVE RISK		1.000		1.018	0.926	0.908	1.152	0.816	1.556
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4609	0.6903	0.7135	0.3996	0.6893	0.1243	0.5306	0.4414	0.2256
1950-54	OBS.	192	75	54	45	7	8	1	2	0
	EXP.		75.6	55.1	36.2	10.5	7.9	3.0	1.4	2.3
	OBS./EXP.		0.992	0.980	1.243	0.665	1.012	0.337	1.432	0.000
	RELATIVE RISK		1.000		1.259	0.674	1.025	0.341	1.451	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.1969	0.8087	0.5124	0.8488	0.3837	0.7043	0.3387	0.7731	0.8788
1955-58	OBS.	152	65	45	25	6	7	1	0	3
	EXP.		60.8	42.8	27.9	8.6	6.4	2.6	1.2	1.7
	OBS./EXP.		1.069	1.051	0.895	0.701	1.094	0.383	0.000	1.717
	RELATIVE RISK		1.000		0.843	0.661	1.030	0.361	0.000	1.618
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7265	0.3045	0.4571	0.8272	0.8552	0.4228	0.7999	0.6555	0.7444
1959-62	OBS.	139	57	44	23	7	4	2	1	1
	EXP.		55.3	39.0	25.6	8.2	6.0	2.3	1.0	1.6
	OBS./EXP.		1.030	1.127	0.899	0.855	0.667	0.888	0.980	0.619
	RELATIVE RISK		1.000		0.840	0.799	0.623	0.829	0.916	0.578
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7329	0.7016	0.7958	0.6590	0.6014	0.7320	0.7623	0.8124	0.7128
1963-66	OBS.	136	54	37	24	11	2	4	1	3
	EXP.		55.4	37.7	25.0	7.6	5.7	2.2	0.9	1.5
	OBS./EXP.		0.974	0.983	0.961	1.454	0.352	1.813	1.057	1.955
	RELATIVE RISK		1.000		0.993	1.458	0.360	1.854	1.081	2.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.5410	0.2401	0.8936	0.3053	0.4471	0.3368	0.3950	0.5791	0.2071
1967-70	OBS.	125	48	35	24	6	8	1	1	2
	EXP.		50.8	35.2	22.4	6.7	5.4	2.2	0.9	1.5
	OBS./EXP.		0.945	0.995	1.070	0.900	1.478	0.463	1.128	1.347
	RELATIVE RISK		1.000		1.108	0.932	1.531	0.479	1.168	1.395
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4240	0.6143	0.2755	0.7768	0.4041	0.3842	0.4663	0.3598	0.6056
1971-74	OBS.	111	38	33	17	7	5	6	0	5
	EXP.		44.4	31.9	19.5	5.9	5.0	2.1	0.9	1.4
	OBS./EXP.		0.857	1.034	0.873	1.187	1.005	2.894	0.000	3.592
	RELATIVE RISK		1.000		0.938	1.275	1.079	3.109	0.000	3.859
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.5875	0.3900	0.4729	0.0426	0.8354	0.0332	0.4668	0.0946	0.0206
1975-78	OBS.	127	58	26	24	6	4	4	1	4
	EXP.		49.4	37.0	23.0	6.8	5.7	2.3	1.1	1.4
	OBS./EXP.		1.165	0.703	1.044	0.882	0.705	1.728	0.950	2.942
	RELATIVE RISK		1.000		1.079	0.912	0.729	1.786	0.982	3.040
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4560	0.6114	0.7144	0.2716	0.4623	0.0967	0.4746	0.2844	0.0927

TABLE 33-3 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-8

MIYOSHIKAWA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	Y-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	840	356	224	168	38	32	13	3	8
	EXP.		338.1	237.7	170.7	46.0	25.3	11.1	5.2	5.9
	OBS./EXP.		1.053	0.942	0.984	0.825	1.267	1.169	0.581	1.010
	RELATIVE RISK		1.000		0.977	0.819	1.258	1.161	0.576	1.003
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5944	0.8158	0.2030	0.3864	0.7935	0.4618	0.7080	0.2750	0.5058
									0.5041	0.5041
										TREND.
										0.4829
1950-54	OBS.	131	55	41	22	5	6	1	0	1
	EXP.		50.5	38.6	27.0	7.6	4.0	1.7	0.8	1.0
	OBS./EXP.		1.089	1.062	0.816	0.676	1.497	0.572	0.000	1.048
	RELATIVE RISK		1.000		0.758	0.628	1.390	0.531	0.000	0.973
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8153	0.7965	0.3900	0.7351	0.8313	0.4480	0.8587	0.5409	0.7744
									0.7363	0.7363
										TREND.
										0.7005
1955-58	OBS.	139	70	27	29	6	5	0	1	1
	EXP.		55.8	39.8	28.4	7.7	4.0	1.7	0.8	0.9
	OBS./EXP.		1.259	0.678	1.021	0.750	1.242	0.000	1.222	1.087
	RELATIVE RISK		1.000		1.004	0.767	1.222	0.000	1.202	1.069
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4751	0.7167	0.4477	0.8817	0.3879	0.4254	0.5856	0.6108	0.7736
									0.1467	0.1467
										TREND.
										0.6796
1959-62	OBS.	111	46	32	22	3	4	1	0	1
	EXP.		43.7	32.0	23.1	6.3	3.1	1.4	0.7	0.7
	OBS./EXP.		1.053	0.999	0.953	0.479	1.905	0.791	0.000	1.401
	RELATIVE RISK		1.000		0.925	0.465	1.849	0.680	0.000	1.360
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6133	0.8574	0.1955	0.6697	0.8197	0.3460	0.7610	0.3515	0.6852
									0.6130	0.6130
										TREND.
										0.4771
1963-66	OBS.	109	40	25	31	5	2	5	0	1
	EXP.		44.5	30.3	22.1	5.8	3.3	1.5	0.7	0.8
	OBS./EXP.		0.899	0.825	1.400	0.863	0.612	3.303	0.000	1.247
	RELATIVE RISK		1.000		1.611	0.993	0.704	3.800	0.000	1.434
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.0766	0.5308	0.6970	0.0292	0.8170	0.3503	0.1088	0.2660	0.1112
									0.0449	0.0449
										TREND.
										0.1795
1967-70	OBS.	128	55	38	21	8	4	1	1	0
	EXP.		53.3	35.2	25.3	6.8	3.9	1.8	0.8	0.9
	OBS./EXP.		1.032	1.080	0.829	1.172	1.022	0.555	1.254	0.000
	RELATIVE RISK		1.000		0.788	1.114	0.972	0.528	1.193	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7903	0.4555	0.5507	0.7583	0.3963	0.8398	0.7230	0.7235	0.7907
									0.9259	0.9259
										TREND.
										0.8004
1971-74	OBS.	116	46	30	22	8	5	3	0	2
	EXP.		47.5	32.6	23.2	6.3	3.5	1.5	0.7	0.8
	OBS./EXP.		0.968	0.921	0.949	1.277	1.423	1.936	0.000	2.659
	RELATIVE RISK		1.000		1.000	1.345	1.499	2.039	0.000	2.801
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5113	0.3548	0.3388	0.3001	0.8185	0.3065	0.4412	0.1633	0.2437
									0.5914	0.5914
										TREND.
										0.0536
1975-78	OBS.	106	44	31	21	3	4	2	1	0
	EXP.		43.5	29.5	21.3	5.6	3.3	1.3	0.7	0.8
	OBS./EXP.		1.011	1.052	0.987	0.534	1.219	1.496	1.509	0.000
	RELATIVE RISK		1.000		0.960	0.519	1.186	1.456	1.468	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5805	0.3294	0.4236	0.3836	0.3464	0.3342	0.6957	0.4457	0.4565
									0.9012	0.9012
										TREND.
										0.6168

TABLE 33-9 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-9

HIROSHIMA, MALE - FEMALE, ALL AGES

YEAR	CLASS	7-65 TOTAL DOSE IN RAD								
		TOTAL	D	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	1441	674	344	272	62	45	23	6	15
TOTAL	EXP.		653.2	374.3	265.9	70.8	43.0	15.5	7.4	10.9
	OBS./EXP.		1.032	0.919	1.023	0.876	1.047	1.486	0.811	1.377
	RELATIVE RISK		1.000		1.033	0.884	1.057	1.500	0.818	1.390
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.3836	0.7635	0.4163	0.0975	0.6695	0.2092	0.4930	0.1589	0.0892
1950-54	OBS.	242	110	65	48	8	8	1	2	0
EXP.			109.8	63.3	44.3	11.9	7.2	2.5	1.2	1.8
	OBS./EXP.		1.002	1.028	1.084	0.670	1.107	0.407	1.659	0.000
	RELATIVE RISK		1.000		1.072	0.662	1.094	0.403	1.640	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4069	0.8218	0.4500	0.8042	0.3958	0.8838	0.5437	0.6714	0.6606
1955-58	OBS.	229	118	52	44	6	7	0	0	2
EXP.			104.0	59.5	42.2	11.5	6.6	2.4	1.2	1.6
	OBS./EXP.		1.134	0.874	1.042	0.523	1.059	0.000	0.000	1.221
	RELATIVE RISK		1.000		1.002	0.503	1.018	0.000	0.000	1.174
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.4894	0.9028	0.4670	0.9072	0.8537	0.4018	0.7065	0.7716	0.2410
1959-62	OBS.	195	98	48	33	7	6	1	1	1
EXP.			88.2	50.3	34.1	10.1	5.9	2.1	1.0	1.4
	OBS./EXP.		1.111	0.955	0.915	0.692	1.016	0.487	1.014	0.717
	RELATIVE RISK		1.000		0.868	0.657	0.663	0.462	0.962	0.680
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.7201	0.8087	0.5500	0.7769	0.5513	0.6846	0.7991	0.6842	0.7528
1963-66	OBS.	200	88	41	44	13	3	8	1	2
EXP.			90.8	51.3	37.2	9.9	6.1	2.3	1.0	1.5
	OBS./EXP.		0.969	0.800	1.184	1.314	0.492	3.547	0.997	1.329
	RELATIVE RISK		1.000		1.304	1.449	0.542	3.906	1.098	1.463
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.1564	0.2189	0.5174	0.0044	0.4077	0.3843	0.1093	0.2222	0.0218
1967-70	OBS.	206	89	55	37	12	9	1	1	2
EXP.			94.2	53.1	38.0	9.8	6.1	2.3	1.0	1.6
	OBS./EXP.		0.945	1.036	0.973	1.229	1.485	0.437	0.993	1.285
	RELATIVE RISK		1.000		0.995	1.257	1.519	0.447	1.016	1.314
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.5241	0.3472	0.2315	0.7833	0.4447	0.3850	0.4531	0.3468	0.6348
1971-74	OBS.	182	76	46	32	10	6	7	0	5
EXP.			82.6	47.5	33.7	8.6	5.3	2.0	0.9	1.4
	OBS./EXP.		0.921	0.969	0.949	1.168	1.122	3.447	0.000	3.617
	RELATIVE RISK		1.000		1.011	1.245	1.196	3.695	0.000	3.855
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.6757	0.3653	0.4852	0.0119	0.8346	0.0283	0.4391	0.0324	0.0072
1975-78	OBS.	187	95	37	34	6	6	5	1	3
EXP.			83.7	49.6	34.7	8.9	5.7	2.0	1.0	1.4
	OBS./EXP.		1.135	0.745	0.979	0.675	1.061	2.526	0.958	2.155
	RELATIVE RISK		1.000		0.959	0.682	1.072	2.549	0.967	2.177
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.
	PROB.	0.5417	0.7841	0.4405	0.1006	0.4891	0.2685	0.6423	0.1643	0.0824

TABLE 33-10 DISEASES OF DIGESTIVE SYSTEM

TABLE 33-10

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	A	1-9	10-49	50-99	100-199	200-299	300-399	400+
				B	C	D	E	F	G	H
1950-78	OBS.	381	77	154	78	26	25	9	3	9
TOTAL	EXP.		77.1	142.1	84.1	29.4	24.2	12.2	5.1	6.4
	OBS./EXP.		0.998	1.083	0.927	0.884	1.032	0.739	0.583	1.353
	RELATIVE RISK		1.000		0.880	0.839	0.980	0.701	0.554	1.285
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7716	0.7537	0.5623	0.8021	0.8096	0.3565	0.8118	0.6922	0.7371
									0.7285	0.6152
1950-54	OBS.	81	20	30	19	4	6	1	0	1
EXP.			16.3	30.4	18.9	6.0	4.7	2.3	1.0	1.4
	OBS./EXP.		1.224	0.985	1.006	0.669	1.280	0.442	0.000	0.705
	RELATIVE RISK		1.000		0.941	0.626	1.198	0.414	0.000	0.660
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5914	0.7843	0.4514	0.8024	0.8469	0.6905	0.6896	0.7039	0.8618
									0.8167	0.8459
1955-58	OBS.	62	17	20	10	6	5	1	1	2
EXP.			12.4	23.1	14.1	6.8	3.8	2.0	0.8	1.0
	OBS./EXP.		1.376	0.865	0.709	1.257	1.311	0.507	1.220	1.946
	RELATIVE RISK		1.000		0.680	1.205	1.257	0.486	1.170	1.866
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8113	0.4487	0.4586	0.7653	0.3879	0.4180	0.7190	0.4800	0.4574
									0.3863	0.2421
1959-62	OBS.	55	5	28	12	3	4	2	0	1
EXP.			10.8	20.8	12.6	4.3	3.2	1.6	0.7	0.9
	OBS./EXP.		0.464	1.347	0.953	0.692	1.236	1.230	0.000	1.069
	RELATIVE RISK		1.000		0.912	0.662	1.183	1.177	0.000	1.023
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6129	0.7467	0.4210	0.4085	0.3284	0.4609	0.6806	0.4683	0.6262
									0.4175	0.5327
1963-66	OBS.	45	6	21	11	3	1	1	0	2
EXP.			9.1	16.7	9.9	3.5	2.8	1.5	0.7	0.8
	OBS./EXP.		0.658	1.259	1.107	0.863	0.351	0.683	0.000	2.406
	RELATIVE RISK		1.000		1.058	0.824	0.336	0.652	0.000	2.298
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4500	0.6524	0.8444	0.7075	0.5242	0.4211	0.5185	0.7699	0.5701
									0.5300	0.5300
										0.5193
1967-70	OBS.	47	14	18	8	2	3	1	1	0
EXP.			9.9	17.2	9.7	3.7	3.3	1.7	0.7	0.8
	OBS./EXP.		1.419	1.044	0.821	0.536	0.918	0.598	1.478	0.000
	RELATIVE RISK		1.000		0.696	0.434	0.778	0.507	1.252	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7867	0.5286	0.6616	0.7501	0.3703	0.8408	0.8488	0.7690	0.7769
									0.7639	0.7639
										0.8547
1971-74	OBS.	45	8	17	7	5	4	2	0	2
EXP.			9.3	17.0	8.9	3.6	3.1	1.6	0.7	0.8
	OBS./EXP.		0.859	1.000	0.785	1.389	1.272	1.247	0.000	2.626
	RELATIVE RISK		1.000		0.827	1.462	1.339	1.312	0.000	2.763
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6642	0.3757	0.4253	0.3843	0.8197	0.3368	0.4702	0.4037	0.4783
									0.7585	0.7585
										0.1176
1975-78	OBS.	46	7	20	11	3	2	1	1	1
EXP.			9.4	16.8	9.5	3.5	3.3	1.7	0.7	0.8
	OBS./EXP.		0.726	1.188	1.153	0.840	0.606	0.599	1.490	1.234
	RELATIVE RISK		1.000		1.130	0.832	0.594	0.587	1.461	1.210
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4819	0.6365	0.7458	0.7137	0.3416	0.3801	0.4531	0.6938	0.5616
									0.9136	0.9136
										0.5943

TABLE 34-1 OTHER NATURAL CAUSES NOT SPECIFIED ABOVE

TABLE 34-1

MIYOSHIHAMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	5223	2187	1512	952	258	159	68	31	56
TOTAL	EXP.		2101.3	1476.3	1013.2	290.4	184.8	76.4	34.3	46.3
	OBS./EXP.		1.041	1.024	0.940	0.888	0.861	0.890	0.903	1.210
	RELATIVE RISK		1.000		0.909	0.859	0.832	0.861	0.874	1.171
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9717	0.9548	0.9470	0.8279	0.7263	0.2253	0.9908	0.9287	0.6854
									0.0079	0.8246
1950-54	OBS.	836	364	246	139	34	26	11	5	11
	EXP.		330.1	242.3	162.7	46.0	29.3	12.0	5.5	7.7
	OBS./EXP.		1.103	1.015	0.855	0.739	0.874	0.920	0.910	1.427
	RELATIVE RISK		1.000		0.802	0.694	0.820	0.863	0.854	1.339
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9559	0.9399	0.7850	0.6792	0.6487	0.3081	0.9831	0.7095	0.5147
									0.0857	0.5803
1955-58	OBS.	879	338	271	187	60	18	12	5	8
	EXP.		347.5	252.8	171.8	49.4	31.3	13.0	5.7	7.7
	OBS./EXP.		0.973	1.072	1.088	0.809	0.575	0.924	0.882	1.038
	RELATIVE RISK		1.000		1.073	0.797	0.566	0.911	0.849	1.023
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2973	0.8512	0.9580	0.6379	0.6327	0.4582	0.4831	0.9214	0.6312
									0.1513	0.8707
1959-62	OBS.	504	354	247	125	43	18	10	3	6
	EXP.		320.6	229.1	158.0	46.7	27.9	11.5	5.3	7.0
	OBS./EXP.		1.104	1.078	0.791	0.921	0.646	0.868	0.568	0.856
	RELATIVE RISK		1.000		0.724	0.842	0.590	0.794	0.519	0.783
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9917	0.7954	0.9535	0.7443	0.8348	0.7158	0.9917	0.9720	0.8590
									0.0145	0.9794
1963-66	OBS.	709	285	205	127	43	26	11	4	6
	EXP.		258.0	198.0	138.3	39.1	24.4	10.6	4.6	6.0
	OBS./EXP.		0.989	1.035	0.918	1.099	1.148	1.042	0.866	1.000
	RELATIVE RISK		1.000		0.911	1.090	1.139	1.033	0.859	0.992
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7637	0.3550	0.3329	0.4557	0.6329	0.5214	0.6737	0.4015	0.5411
									0.9433	0.4062
1967-70	OBS.	661	276	190	119	32	25	6	4	9
	EXP.		249.3	183.9	127.5	36.7	23.5	10.2	4.2	5.8
	OBS./EXP.		1.025	1.033	0.933	0.872	1.064	0.587	0.955	1.557
	RELATIVE RISK		1.000		0.908	0.848	1.035	0.571	0.928	1.514
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7566	0.7574	0.6496	0.8620	0.5775	0.2263	0.8135	0.5113	0.6348
									0.6279	0.3946
1971-74	OBS.	637	272	171	124	29	28	8	5	8
	EXP.		262.8	175.3	122.1	34.9	22.6	9.6	4.2	5.5
	OBS./EXP.		1.035	0.975	1.016	0.831	0.886	0.830	1.190	1.450
	RELATIVE RISK		1.000		1.005	0.822	0.876	0.821	1.177	1.434
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4875	0.7840	0.6907	0.6866	0.4393	0.2880	0.8217	0.5836	0.4507
									0.8459	0.3742
1975-78	OBS.	695	298	182	131	37	24	10	5	8
	EXP.		283.4	192.9	135.4	38.0	25.2	9.9	4.7	5.6
	OBS./EXP.		1.052	0.944	0.968	0.974	0.954	1.006	1.060	1.433
	RELATIVE RISK		1.000		0.960	0.966	0.946	0.998	1.051	1.422
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6297	0.5779	0.6127	0.6461	0.6445	0.3055	0.6347	0.4822	0.3772
									0.9087	0.2586

TABLE 35-1 ACCIDENTS, POISONINGS, AND VIOLENCE

TABLE 35-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	1371	571	406	227	76	51	15	6	19
TOTAL	EXP.	546.4	396.7	252.1	72.4	54.4	23.5	10.5	14.9	
	OBS./EXP.	1.045	1.024	0.900	1.049	0.937	0.637	0.570	1.276	
	RELATIVE RISK	1.000		0.869	1.013	0.904	0.615	0.550	1.232	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.9190	0.4898	0.7444	0.9318	0.3757	0.3178	0.8795	0.8778	0.8733
1950-54	OBS.	204	101	46	34	9	11	2	0	1
	EXP.	81.9	57.3	36.6	10.5	8.3	3.4	1.6	1.6	2.4
	OBS./EXP.	1.233	0.776	0.929	0.856	1.332	0.584	0.000	0.418	
	RELATIVE RISK	1.000		0.892	0.822	1.280	0.561	0.000	0.402	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6940	0.6812	0.3421	0.7813	0.8758	0.8090	0.7280	0.6916	0.9120
1955-58	OBS.	237	101	71	38	12	7	3	1	4
	EXP.	95.9	68.5	42.9	12.2	9.2	4.0	1.8	2.6	
	OBS./EXP.	1.053	1.037	0.887	0.982	0.759	0.751	0.560	1.564	
	RELATIVE RISK	1.000		0.847	0.939	0.725	0.718	0.536	1.494	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7658	0.6049	0.7922	0.7332	0.7520	0.4080	0.7584	0.7512	0.6255
1959-62	OBS.	194	85	63	27	10	4	3	0	2
	EXP.	78.7	58.2	35.4	10.0	7.2	3.1	1.4	2.1	
	OBS./EXP.	1.080	1.121	0.764	1.004	0.552	0.978	0.000	0.964	
	RELATIVE RISK	1.000		0.696	0.915	0.503	0.891	0.000	0.879	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.9073	0.5220	0.8798	0.6315	0.8764	0.5273	0.6922	0.8915	0.7688
1963-66	OBS.	209	71	72	34	16	12	2	1	1
	EXP.	84.2	60.0	38.5	10.9	8.0	3.5	1.6	2.2	
	OBS./EXP.	0.843	1.199	0.884	1.464	1.498	0.565	0.630	0.448	
	RELATIVE RISK	1.000		0.891	1.476	1.511	0.570	0.635	0.451	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6841	0.1821	0.2217	0.7719	0.7027	0.7850	0.4781	0.4626	0.8352
1967-70	OBS.	189	72	56	33	10	7	3	1	7
	EXP.	73.8	54.5	35.5	10.3	7.8	3.5	1.5	2.1	
	OBS./EXP.	0.975	1.028	0.929	0.966	0.900	0.863	0.682	3.377	
	RELATIVE RISK	1.000		0.931	0.969	0.902	0.865	0.683	3.385	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6372	0.5565	0.6105	0.6468	0.6814	0.0199	0.6231	0.3252	0.2071
1971-74	OBS.	200	75	67	39	10	4	1	2	3
	EXP.	78.2	58.1	37.3	10.9	8.1	3.7	1.6	2.1	
	OBS./EXP.	0.959	1.154	1.018	0.920	0.492	0.271	1.243	1.430	
	RELATIVE RISK	1.000		0.977	0.883	0.473	0.260	1.193	1.373	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.5569	0.6352	0.8936	0.8876	0.3932	0.4210	0.5992	0.8717	0.7070
1975-78	OBS.	138	66	31	23	9	6	1	1	1
	EXP.	53.9	40.0	26.0	7.5	5.3	2.4	1.0	1.0	1.4
	OBS./EXP.	1.224	0.775	0.884	1.205	1.038	0.417	0.973	0.726	
	RELATIVE RISK	1.000		0.856	1.167	1.005	0.406	0.943	0.703	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7003	0.4465	0.5563	0.8062	0.5688	0.6840	0.6222	0.7171	0.7845

TABLE 35-2 ACCIDENTS, POISONINGS, AND VIOLENCE

TABLE 35-2

HIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR	CLASS	T-85 TOTAL OOSE IN PAD								
		TOTAL	A	1-9 S	10-49 C	50-99 O	100-199 E	200-299 F	300-399 G	400- H
1950-79	OBS. TOTAL	852	376	261	127	34	31	12	3	8
	EXP.		337.8	251.0	150.0	44.2	36.2	15.4	6.8	10.5
	OBS./EXP. RELATIVE RISK		1.113	1.040	0.847	0.759	0.855	0.780	0.443	0.759
			1.000		0.783	0.711	0.791	0.721	0.410	0.702
	TEST PROB.	AB=C1	AB=D1	AB=E1	AB=F1	AB=G1	AB=H1	AB=CD1	AB=E-H1	AB=FGH1
		0.9688	0.9230	0.9442	0.9208	0.8921	0.7971	0.9844	0.9534	0.9361
									0.0318	0.9937
1950-54	OBS. TOTAL	145	82	29	20	6	8	1	0	1
	EXP.		58.3	42.6	25.1	7.3	6.2	2.5	1.2	1.9
	OBS./EXP. RELATIVE RISK		1.407	0.681	0.797	0.546	1.297	0.400	0.000	0.537
			1.000		0.725	0.496	1.179	0.363	0.000	0.458
	TEST PROB.	AB=C1	AB=D1	AB=E1	AB=F1	AB=G1	AB=H1	AB=CD1	AB=E-H1	AB=FGH1
		0.8507	0.8634	0.4332	0.8264	0.9551	0.7645	0.9101	0.7258	0.9043
									0.0053	0.9397
1955-58	OBS. TOTAL	159	72	45	27	6	6	2	1	0
	EXP.		63.1	46.4	27.6	7.9	6.3	2.6	1.2	1.9
	OBS./EXP. RELATIVE RISK		1.106	0.959	0.978	0.761	0.958	0.756	0.840	0.000
			1.000		0.933	0.725	0.913	0.720	0.801	0.000
	TEST PROB.	AB=C1	AB=D1	AB=E1	AB=F1	AB=G1	AB=H1	AB=CD1	AB=E-H1	AB=FGH1
		0.6287	0.7454	0.6250	0.6592	0.6410	0.8907	0.7007	0.7883	0.8409
									0.8449	0.9327
1959-62	OBS. TOTAL	128	54	47	16	3	3	3	0	2
	EXP.		51.5	38.0	22.3	8.4	5.1	2.1	1.0	1.6
	OBS./EXP. RELATIVE RISK		1.049	1.237	0.718	0.467	0.585	1.405	0.000	1.233
			1.000		0.636	0.414	0.519	1.245	0.000	1.137
	TEST PROB.	AB=C1	AB=D1	AB=E1	AB=F1	AB=G1	AB=H1	AB=CD1	AB=E-H1	AB=FGH1
		0.9057	0.8980	0.8387	0.4095	0.5491	0.4178	0.9502	0.7670	0.5727
									0.3126	0.7372
1963-66	OBS. TOTAL	142	47	56	20	10	6	2	1	0
	EXP.		56.9	41.5	25.2	7.3	5.8	2.5	1.1	1.7
	OBS./EXP. RELATIVE RISK		0.827	1.351	0.795	1.365	1.033	0.785	0.888	0.000
			1.000		0.759	1.303	0.986	0.749	0.847	0.000
	TEST PROB.	AB=C1	AB=D1	AB=E1	AB=F1	AB=G1	AB=H1	AB=CD1	AB=E-H1	AB=FGH1
		0.8049	0.3457	0.5534	0.6681	0.6020	0.8819	0.6904	0.7341	0.8110
									0.1476	0.8417
1967-70	OBS. TOTAL	116	47	35	19	6	4	2	0	3
	EXP.		44.2	34.1	21.2	6.4	5.3	2.3	1.0	1.5
	OBS./EXP. RELATIVE RISK		1.064	1.025	0.897	0.934	0.753	0.854	0.000	2.025
			1.000		0.857	0.892	0.719	0.815	0.000	1.934
	TEST PROB.	AB=C1	AB=D1	AB=E1	AB=F1	AB=G1	AB=H1	AB=CD1	AB=E-H1	AB=FGH1
		0.7055	0.6112	0.7231	0.6654	0.8418	0.3384	0.7009	0.6822	0.5663
									0.3488	0.4506
1971-74	OBS. TOTAL	96	37	32	17	3	3	1	1	2
	EXP.		36.7	28.4	17.0	5.3	4.4	2.0	0.9	1.2
	OBS./EXP. RELATIVE RISK		1.007	1.125	1.002	0.568	0.675	0.496	1.142	1.613
			1.000		0.947	0.537	0.638	0.469	1.079	1.524
	TEST PROB.	AB=C1	AB=D1	AB=E1	AB=F1	AB=G1	AB=H1	AB=CD1	AB=E-H1	AB=FGH1
		0.5893	0.8108	0.7550	0.7766	0.3995	0.3850	0.7036	0.7129	0.5846
									0.3846	0.8900
1975-78	OBS. TOTAL	66	37	17	8	2	1	1	0	0
	EXP.		25.2	19.7	11.8	3.5	3.2	1.2	0.5	0.8
	OBS./EXP. RELATIVE RISK		1.468	0.861	0.675	0.565	0.377	0.811	0.000	0.000
			1.000		0.562	0.470	0.264	0.675	0.000	0.000
	TEST PROB.	AB=C1	AB=D1	AB=E1	AB=F1	AB=G1	AB=H1	AB=CD1	AB=E-H1	AB=FGH1
		0.2850	0.8308	0.2944	0.7058	0.8195	0.8418	0.9157	0.9344	0.8536
									0.1296	0.9737

TABLE 35-3 ACCIDENTS, POISONINGS, AND VIOLENCE

TABLE 35-3

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	D A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	519	195	145	100	42	20	3	3	11
	EXP.	208.6	145.6	102.1	28.2	18.2	8.1	3.8		4.4
	OBS./EXP. RELATIVE RISK	0.935	1.000	0.996	0.979	1.488	1.099	0.368	0.799	2.528
	TEST PROB.	AB=C? 0.4787	AB=D? 0.0351	AB=E? 0.4162	AB=F? 0.9203	AB=G? 0.6542	AB=H? 0.0181	AB=I? 0.1992	AB=J? 0.3739	AB=K? 0.4755
1950-54	OBS. EXP.	59	19	17	14	5	3	1	0	0
		23.6	16.7	11.5	3.2	2.1	0.9	0.4		0.5
	OBS./EXP. RELATIVE RISK	0.805	1.000	1.018	1.214	1.369	1.435	1.087	0.000	0.000
	TEST PROB.	AB=C? 0.2945	AB=D? 0.2742	AB=E? 0.4507	AB=F? 0.4123	AB=G? 0.8018	AB=H? 0.8073	AB=I? 0.2077	AB=J? 0.4493	AB=K? 0.7426
1955-58	OBS. EXP.	78	29	24	11	6	1	1	0	4
		30.8	22.0	15.3	4.3	3.0	1.3	0.6		0.7
	OBS./EXP. RELATIVE RISK	0.941	1.000	1.181	0.721	1.336	0.337	0.742	0.000	5.909
	TEST PROB.	AB=C? 0.8114	AB=D? 0.4323	AB=E? 0.5699	AB=F? 0.7146	AB=G? 0.8206	AB=H? 0.0172	AB=I? 0.7097	AB=J? 0.5469	AB=K? 0.2866
1959-62	OBS. EXP.	66	31	16	11	7	1	0	0	0
		27.2	18.2	13.1	3.5	2.1	0.9	0.5		0.5
	OBS./EXP. RELATIVE RISK	1.140	1.000	0.880	0.842	1.932	0.471	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.7074	AB=D? 0.1731	AB=E? 0.7978	AB=F? 0.8475	AB=G? 0.8080	AB=H? 0.3123	AB=I? 0.4613	AB=J? 0.9079	AB=K? 0.8965
1963-66	OBS. EXP.	67	24	16	14	6	6	0	0	1
		27.3	18.6	13.3	3.6	2.2	1.0	0.5		0.5
	OBS./EXP. RELATIVE RISK	0.378	1.000	0.861	1.052	1.664	2.725	0.000	0.000	1.945
	TEST PROB.	AB=C? 0.3985	AB=D? 0.2112	AB=E? 0.0590	AB=F? 0.8400	AB=G? 0.8024	AB=H? 0.3034	AB=I? 0.2584	AB=J? 0.1875	AB=K? 0.7375
1967-70	OBS. EXP.	73	25	21	14	4	3	1	1	4
		29.7	20.3	14.4	3.9	2.5	1.1	0.5		0.6
	OBS./EXP. RELATIVE RISK	0.343	1.000	1.032	0.975	1.019	1.216	0.861	1.936	6.766
	TEST PROB.	AB=C? 0.4564	AB=D? 0.4298	AB=E? 0.4176	AB=F? 0.5574	AB=G? 0.3022	AB=H? 0.0041	AB=I? 0.4685	AB=J? 0.0867	AB=K? 0.0565
1971-74	OBS. EXP.	104	38	35	21	7	1	0	1	1
		41.5	29.6	20.4	5.6	3.7	1.7	0.7		0.9
	OBS./EXP. RELATIVE RISK	0.916	1.000	1.181	1.032	1.253	0.272	0.000	1.362	1.166
	TEST PROB.	AB=C? 0.4814	AB=D? 0.4527	AB=E? 0.3811	AB=F? 0.3828	AB=G? 0.3612	AB=H? 0.4059	AB=I? 0.4831	AB=J? 0.3852	AB=K? 0.7590
1975-78	OBS. EXP.	72	29	14	15	7	5	0	1	1
		28.7	20.3	14.2	3.9	2.6	1.2	0.5		0.6
	OBS./EXP. RELATIVE RISK	1.009	1.000	0.691	1.059	1.753	1.904	0.000	1.945	1.852
	TEST PROB.	AB=C? 0.3704	AB=D? 0.1333	AB=E? 0.1594	AB=F? 0.3379	AB=G? 0.2943	AB=H? 0.3066	AB=I? 0.2145	AB=J? 0.2457	AB=K? 0.4360

TABLE 36-1 SUICIDE

TABLE 36-1

HIROSHIMA + NAGASAKI, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	440	185	147	61	25	17	2	0	3
	EXP.		170.9	129.0	80.7	23.4	18.7	6.3	3.7	5.1
	OBS./EXP. RELATIVE RISK		1.082	1.140	0.756	1.058	0.908	0.261	0.000	0.590
			1.000		0.683	0.956	0.220	0.216	0.000	0.533
	TEST PROB.	AB=C? 0.9792	AB=D? 0.5993	AB=E? 0.7590	AB=F? 0.9678	AB=G? 0.9460	AB=H? 0.8326	AB=CD? 0.9642	AB=E-H? 0.9788	AB=FGH? 0.9918
									HOMO. 0.0107	TREND. 0.9977
1950-54	OBS. TOTAL	78	45	15	10	3	5	0	0	0
	EXP.		32.0	22.4	14.1	3.9	3.0	1.2	0.6	0.9
	OBS./EXP. RELATIVE RISK		1.408	0.671	0.707	0.766	1.691	0.000	0.000	0.000
			1.000		0.640	0.693	1.531	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.8552	AB=D? 0.7337	AB=E? 0.3590	AB=F? 0.8682	AB=G? 0.8229	AB=H? 0.8435	AB=CD? 0.8689	AB=E-H? 0.6872	AB=FGH? 0.9274
									HOMO. 0.0594	TREND. 0.9119
1955-58	OBS. TOTAL	98	41	33	13	8	2	0	0	1
	EXP.		38.5	28.4	17.6	5.3	4.3	1.9	0.8	1.1
	OBS./EXP. RELATIVE RISK		1.065	1.161	0.738	1.518	0.465	0.000	0.000	0.887
			1.000		0.667	1.373	0.421	0.000	0.000	0.302
	TEST PROB.	AB=C? 0.8524	AB=D? 0.3503	AB=E? 0.8781	AB=F? 0.9083	AB=G? 0.8400	AB=H? 0.6602	AB=CD? 0.7315	AB=E-H? 0.9515	AB=FGH? 0.9145
									HOMO. 0.3687	TREND. 0.9154
1959-62	OBS. TOTAL	58	26	23	6	1	1	1	0	0
	EXP.		23.0	18.9	10.8	3.1	2.2	1.0	0.5	0.6
	OBS./EXP. RELATIVE RISK		1.130	1.362	0.555	0.326	0.461	1.037	0.000	0.000
			1.000		0.452	0.255	0.375	0.844	0.000	0.000
	TEST PROB.	AB=C? 0.9272	AB=D? 0.8823	AB=E? 0.3324	AB=F? 0.4363	AB=G? 0.8147	AB=H? 0.8312	AB=CD? 0.9580	AB=E-H? 0.8790	AB=FGH? 0.8157
									HOMO. 0.3383	TREND. 0.9433
1963-66	OBS. TOTAL	58	21	26	5	3	3	0	0	0
	EXP.		22.3	17.2	10.5	3.1	2.5	1.1	0.5	0.7
	OBS./EXP. RELATIVE RISK		0.941	1.510	0.476	0.955	1.191	0.300	0.300	0.000
			1.000		0.400	0.803	1.002	0.000	0.300	0.000
	TEST PROB.	AB=C? 0.9419	AB=D? 0.6739	AB=E? 0.5502	AB=F? 0.2640	AB=G? 0.8158	AB=H? 0.8329	AB=CD? 0.9281	AB=E-H? 0.8293	AB=FGH? 0.9183
									HOMO. 0.1956	TREND. 0.9217
1967-70	OBS. TOTAL	36	11	13	5	4	2	0	0	1
	EXP.		12.9	10.9	6.9	2.1	1.7	0.8	0.3	0.5
	OBS./EXP. RELATIVE RISK		0.853	1.192	0.727	1.943	1.193	0.000	0.000	2.174
			1.000		0.721	1.927	1.184	0.000	0.000	2.156
	TEST PROB.	AB=C? 0.7392	AB=D? 0.3031	AB=E? 0.3955	AB=F? 0.8353	AB=G? 0.7979	AB=H? 0.3083	AB=CD? 0.5230	AB=E-H? 0.5860	AB=FGH? 0.7239
									HOMO. 0.6751	TREND. 0.3710
1971-74	OBS. TOTAL	75	24	29	15	5	1	1	0	0
	EXP.		28.5	22.1	13.9	4.1	3.4	1.5	0.7	0.9
	OBS./EXP. RELATIVE RISK		0.843	1.313	1.082	1.215	0.297	0.647	0.000	0.000
			1.000		1.033	1.160	0.283	0.617	0.000	0.000
	TEST PROB.	AB=C? 0.4619	AB=D? 0.4404	AB=E? 0.8544	AB=F? 0.6998	AB=G? 0.8174	AB=H? 0.8351	AB=CD? 0.4697	AB=E-H? 0.9095	AB=FGH? 0.8469
									HOMO. 0.4719	TREND. 0.9388
1975-78	OBS. TOTAL	37	17	8	7	1	3	0	0	1
	EXP.		13.8	11.1	6.9	2.0	1.7	0.7	0.3	0.4
	OBS./EXP. RELATIVE RISK		1.234	0.721	1.020	0.490	1.755	0.000	0.000	2.264
			1.000		1.015	0.487	1.746	0.000	0.000	2.252
	TEST PROB.	AB=C? 0.5069	AB=D? 0.7625	AB=E? 0.3871	AB=F? 0.8264	AB=G? 0.7920	AB=H? 0.3007	AB=CD? 0.6191	AB=E-H? 0.4225	AB=FGH? 0.6935
									HOMO. 0.6625	TREND. 0.4688

TABLE 36-2 SUICIDE

TABLE 36-2

NIROSHIMA + NAGASAKI, MALE, ALL AGES

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	229	105	77	27	12	6	2	0	0
	EXP.		90.0	68.0	39.7	11.9	10.1	4.3	1.9	3.0
	OBS./EXP. RELATIVE RISK		1.166 1.000	1.132	0.681 0.591	1.008 0.875	0.592 0.516	0.461 0.400	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.9735	AB=D? 0.6620	AB=E? 0.9030	AB=F? 0.8682	AB=G? 0.8976	AB=H? 0.9337	AB=CD? 0.9433	AB=E-H? 0.9861	AB=FGH? 0.9769
									HOMO. 0.0257	TREND. 0.9991
1950-54	OBS. TOTAL	47	31	6	6	1	3	0	0	0
	EXP.		19.6	13.7	8.1	2.2	1.8	0.7	0.3	0.6
	OBS./EXP. RELATIVE RISK		1.580 1.000	0.439	0.740 0.665	0.452 0.407	1.675 1.507	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7899	AB=D? 0.8089	AB=E? 0.4512	AB=F? 0.8311	AB=G? 0.7988	AB=H? 0.8205	AB=CD? 0.8417	AB=E-H? 0.6634	AB=FGH? 0.8864
									HOMO. 0.0387	TREND. 0.8726
1955-58	OBS. TOTAL	55	26	20	5	3	1	0	0	0
	EXP.		21.9	16.2	9.4	2.8	2.4	1.1	0.5	0.7
	OBS./EXP. RELATIVE RISK		1.186 1.000	1.234	0.531 0.440	1.056 0.875	0.413 0.342	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.9203	AB=D? 0.6103	AB=E? 0.8497	AB=F? 0.8626	AB=G? 0.8122	AB=H? 0.8344	AB=CD? 0.8979	AB=E-H? 0.9423	AB=FGH? 0.9168
									HOMO. 0.4375	TREND. 0.9686
1959-62	OBS. TOTAL	32	11	18	1	1	0	1	0	0
	EXP.		12.6	9.5	5.7	1.7	1.3	0.6	0.3	0.4
	OBS./EXP. RELATIVE RISK		0.875 1.000	1.893	0.174 0.132	0.588 0.448	0.000 0.000	1.799 1.370	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.9664	AB=D? 0.7268	AB=E? 0.8842	AB=F? 0.3614	AB=G? 0.7954	AB=H? 0.8120	AB=CD? 0.9692	AB=E-H? 0.8590	AB=FGH? 0.7088
									HOMO. 0.0461	TREND. 0.8655
1963-66	OBS. TOTAL	34	12	17	2	2	1	0	0	0
	EXP.		13.5	10.1	5.8	1.8	1.5	0.6	0.3	0.5
	OBS./EXP. RELATIVE RISK		0.892 1.000	1.688	0.342 0.278	1.138 0.923	0.666 0.540	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.9331	AB=D? 0.6150	AB=E? 0.7490	AB=F? 0.8327	AB=G? 0.7969	AB=H? 0.8157	AB=CD? 0.9074	AB=E-H? 0.8733	AB=FGH? 0.8837
									HOMO. 0.2480	TREND. 0.9086
1967-70	OBS. TOTAL	16	7	3	4	2	0	0	0	0
	EXP.		5.8	4.8	2.8	0.9	0.8	0.4	0.2	0.2
	OBS./EXP. RELATIVE RISK		1.200 1.000	0.924	1.405 1.495	2.204 2.346	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4712	AB=D? 0.4643	AB=E? 0.8398	AB=F? 0.8047	AB=G? 0.7814	AB=H? 0.7874	AB=CD? 0.3153	AB=E-H? 0.8855	AB=FGH? 0.8379
									HOMO. 0.7397	TREND. 0.8047
1971-74	OBS. TOTAL	29	11	9	6	2	0	1	0	0
	EXP.		11.0	8.8	5.0	1.6	1.4	0.6	0.3	0.4
	OBS./EXP. RELATIVE RISK		1.004 1.000	1.025	1.209 1.193	1.269 1.252	0.000 0.000	1.554 1.533	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4436	AB=D? 0.3812	AB=E? 0.3576	AB=F? 0.3203	AB=G? 0.7829	AB=H? 0.7965	AB=CD? 0.4742	AB=E-H? 0.8028	AB=FGH? 0.6145
									HOMO. 0.9159	TREND. 0.7983
1975-78	OBS. TOTAL	16	7	4	3	1	1	0	0	0
	EXP.		5.7	5.0	2.8	0.9	0.9	0.4	0.1	0.2
	OBS./EXP. RELATIVE RISK		1.227 1.000	0.794	1.090 1.064	1.124 1.098	1.139 1.113	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4467	AB=D? 0.4316	AB=E? 0.5812	AB=F? 0.8061	AB=G? 0.7781	AB=H? 0.7894	AB=CD? 0.4282	AB=E-H? 0.7609	AB=FGH? 0.3385
									HOMO. 0.9872	TREND. 0.7715

TABLE 36-3 SUICIDE

TABLE 36-3

HIROSHIMA + NAGASAKI, MALE, AGE ATB 0-9

		T-65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS. TOTAL	23	7	11	1	2	1	1	0	0		
	EXP.		9.2	6.8	4.7	1.1	0.6	0.3	0.1	0.2		
	OBS./EXP. RELATIVE RISK		0.761	1.613	0.212	1.843	1.760	3.310	0.000	0.000		
			1.000		0.189	1.639	1.566	2.945	0.000	0.000		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
		0.9350	0.3848	0.3414	0.2852	0.7778	0.7855	0.8639	0.3792	0.3552	0.2423	0.3710
1950-54	OBS. EXP.	1	0	0	0	0	1	0	0	0		
			0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0		
	OBS./EXP. RELATIVE RISK		0.000	0.000	0.000	0.000	54.613	0.000	0.000	0.000		
			X	X	X	X	X	X	X	X		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
		X	X	0.2398	X	X	X	X	0.2398	X	0.0000	0.0192
1955-58	OBS. EXP.	4	0	3	0	1	0	0	0	0		
			1.9	1.1	0.7	0.2	0.1	0.0	0.0	0.0		
	OBS./EXP. RELATIVE RISK		0.000	2.848	0.000	6.014	0.000	0.000	0.000	0.000		
			1.000		0.000	5.902	0.000	0.000	0.000	0.000		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
		0.8421	0.2596	0.7707	0.7655	0.7626	0.7632	0.4253	0.7803	0.7706	0.1590	0.5200
1959-62	OBS. EXP.	9	4	3	0	1	0	1	0	0		
			3.7	2.6	1.9	0.4	0.2	0.1	0.0	0.1		
	OBS./EXP. RELATIVE RISK		1.083	1.143	0.000	2.400	0.000	8.799	0.000	0.000		
			1.000		0.000	2.167	0.000	7.943	0.000	0.000		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
		0.9056	0.3048	0.7917	0.2549	0.7682	0.7721	0.8113	0.3112	0.2723	0.1906	0.2312
1963-66	OBS. EXP.	3	1	2	0	0	0	0	0	0		
			1.1	0.9	0.6	0.1	0.1	0.0	0.0	0.0		
	OBS./EXP. RELATIVE RISK		0.879	2.178	0.000	0.000	0.000	0.000	0.000	0.000		
			1.000		0.000	0.000	0.000	0.000	0.000	0.000		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
		0.8547	0.7900	0.7783	0.7710	0.7648	0.7660	0.8712	0.7965	0.7811	0.9457	0.7057
1967-70	OBS. EXP.	1	0	1	0	0	0	0	0	0		
			0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0		
	OBS./EXP. RELATIVE RISK		0.000	2.554	0.000	0.000	0.000	0.000	0.000	0.000		
			1.000		0.000	0.000	0.000	0.000	0.000	0.000		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
		0.8340	0.7823	0.7755	0.7696	0.7642	0.7663	0.8472	0.7923	0.7798	0.9804	0.6123
1971-74	OBS. EXP.	4	1	2	1	0	0	0	0	0		
			1.6	1.2	0.3	0.2	0.1	0.1	0.3	0.0		
	OBS./EXP. RELATIVE RISK		0.420	1.696	1.221	0.000	0.000	0.000	0.000	0.000		
			1.000		1.137	0.000	0.000	0.000	0.000	0.000		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
		0.4062	0.7231	0.7709	0.7652	0.7624	0.7630	0.5441	0.7799	0.7699	0.9593	0.6673
1975-78	OBS. EXP.	1	1	0	0	0	0	0	0	0		
			0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0		
	OBS./EXP. RELATIVE RISK		5.158	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
			1.000		0.000	0.000	0.000	0.000	0.000	0.000		
	TEST PROB.	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	TREND.		
		0.8339	0.7824	0.7756	0.7692	0.7642	0.7664	0.8471	0.7922	0.7786	0.7614	0.8202

TABLE 36-4 SUICIDE

TABLE 36-4

HIROSHIMA + NAGASAKI, MALE, AGE ATB 10-19

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78 TOTAL	OBS. EXP.	65	33 24.1	21 22.0	7 9.7	3 3.0	1 3.2	0 1.4	0 0.8	0 1.1
	OBS./EXP. RELATIVE RISK		1.368 1.000	0.956	0.724 0.618	1.013 0.865	0.314 0.268	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AS=C? 0.8460	AB=D? 0.6448	AB=E? 0.8925	AB=F? 0.8873	AB=G? 0.8260	AB=H? 0.8606	AB=I? 0.8320	AB=J? 0.9686	AB=K? 0.9437
										HOMO. 0.2388
										TREND. 0.9881
1950-54	OBS. EXP.	11	9 4.7	1 3.6	0 1.6	0 0.4	1 0.4	0 0.2	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		1.928 1.000	0.279	0.000 0.000	0.000 0.000	2.639 2.176	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8966	AB=D? 0.8113	AB=E? 0.3020	AB=F? 0.7860	AB=G? 0.7730	AB=H? 0.7825	AB=I? 0.9125	AB=J? 0.4513	AB=K? 0.8138
										HOMO. 0.2291
										TREND. 0.6626
1955-58	OBS. EXP.	16	8 5.9	6 5.4	1 2.4	1 0.7	0 0.8	0 0.4	0 0.1	0 0.3
	OBS./EXP. RELATIVE RISK		1.354 1.000	1.104	0.422 0.342	1.371 1.111	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8423	AB=D? 0.4540	AB=E? 0.8565	AB=F? 0.8130	AB=G? 0.7825	AB=H? 0.7981	AB=I? 0.7961	AB=J? 0.9049	AB=K? 0.8521
										HOMO. 0.8472
										TREND. 0.8870
1959-62	OBS. EXP.	6	3 2.2	3 2.0	0 0.9	0 0.3	0 0.3	0 0.1	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.375 1.000	1.466	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8694	AB=D? 0.8087	AB=E? 0.8137	AB=F? 0.7875	AB=G? 0.7710	AB=H? 0.7783	AB=I? 0.8908	AB=J? 0.8486	AB=K? 0.8106
										HOMO. 0.9184
										TREND. 0.5202
1963-66	OBS. EXP.	10	3 4.0	4 3.3	0 1.5	1 0.4	0 0.4	0 0.2	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		0.756 1.000	1.207	0.000 0.000	2.458 1.991	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8925	AB=D? 0.3113	AB=E? 0.3207	AB=F? 0.7912	AB=G? 0.7737	AB=H? 0.7832	AB=I? 0.7950	AB=J? 0.8599	AB=K? 0.8190
										HOMO. 0.5910
										TREND. 0.7777
1967-70	OBS. EXP.	3	1 1.1	0 1.0	2 0.4	0 0.1	0 0.2	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.914 1.000	0.000	4.456 9.413	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.1881	AB=D? 0.7690	AB=E? 0.7680	AB=F? 0.7637	AB=G? 0.7623	AB=H? 0.7639	AB=I? 0.2531	AB=J? 0.7766	AB=K? 0.7693
										HOMO. 0.4462
										TREND. 0.6442
1971-74	OBS. EXP.	11	8 3.7	2 3.8	3 1.7	0 0.6	0 0.7	0 0.3	0 0.1	0 0.2
	OBS./EXP. RELATIVE RISK		1.625 1.000	0.527	1.785 1.679	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.4511	AB=D? 0.8225	AB=E? 0.3293	AB=F? 0.7960	AB=G? 0.7745	AB=H? 0.7841	AB=I? 0.4017	AB=J? 0.8696	AB=K? 0.8243
										HOMO. 0.6017
										TREND. 0.8823
1975-78	OBS. EXP.	8	3 2.6	3 2.8	1 1.2	1 0.4	0 0.5	0 0.2	0 0.1	0 0.1
	OBS./EXP. RELATIVE RISK		1.152 1.000	1.082	0.808 0.724	2.292 2.034	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.6864	AB=D? 0.3167	AB=E? 0.8355	AB=F? 0.7090	AB=G? 0.7740	AB=H? 0.7836	AB=I? 0.4403	AB=J? 0.8756	AB=K? 0.8260
										HOMO. 0.9689
										TREND. 0.7759

TABLE 36-5 SUICIDE

TABLE 36-5

HIROSHIMA + NAGASAKI, MALE, AGE ATB 20-34

		T-65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
			A	B	C	D	E	F	G	H
1950-78	OBS. TOTAL	33	10	12	5	3	2	1	0	0
	EXP.		13.1	9.4	5.3	1.8	1.6	0.9	0.4	0.4
	OBS./EXP. RELATIVE RISK		0.764	1.272	0.941	1.689	1.219	1.111	0.000	0.000
			1.000		0.963	1.729	1.267	1.137	0.000	0.000
	TEST PROB.	AB=C? 0.5336	AB=D? 0.3942	AB=E? 0.3884	AB=F? 0.3800	AB=G? 0.7970	AB=H? 0.8013	AB=I? 0.4278	AB=E-H? 0.6113	AB=FGH? 0.7107
									MONO. 0.8591	TREND. 0.6540
1950-54	OBS. EXP.	7	3	1	3	0	0	0	0	0
			3.1	2.0	1.2	0.3	0.2	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.977	0.493	2.606	0.000	0.000	0.000	0.000	0.000
			1.000		3.323	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.2235	AB=D? 0.7875	AB=E? 0.7833	AB=F? 0.7716	AB=G? 0.7661	AB=H? 0.7633	AB=I? 0.2960	AB=E-H? 0.8039	AB=FGH? 0.7841
									MONO. 0.7511	TREND. 0.7247
1955-58	OBS. EXP.	8	3	4	0	0	1	0	0	0
			3.0	2.3	1.3	0.5	0.5	0.3	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.008	1.756	0.000	0.000	2.104	0.000	0.000	0.000
			1.000		0.000	0.000	1.579	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.2871	AB=D? 0.8259	AB=E? 0.3399	AB=F? 0.8016	AB=G? 0.7790	AB=H? 0.7784	AB=I? 0.9120	AB=E-H? 0.6637	AB=FGH? 0.8276
									MONO. 0.7610	TREND. 0.7275
1959-62	OBS. EXP.	4	0	4	0	0	0	0	0	0
			1.8	1.2	0.7	0.2	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000	3.462	0.000	0.000	0.000	0.000	0.000	0.000
			1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.8483	AB=D? 0.7870	AB=E? 0.7830	AB=F? 0.7716	AB=G? 0.7661	AB=H? 0.7686	AB=I? 0.8627	AB=E-H? 0.8038	AB=FGH? 0.7844
									MONO. 0.1972	TREND. 0.7276
1963-66	OBS. EXP.	4	0	2	1	1	0	0	0	0
			1.6	1.1	0.6	0.2	0.2	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		0.000	1.764	1.552	4.625	0.000	0.000	0.000	0.000
			1.000		2.113	6.297	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.2991	AB=D? 0.2587	AB=E? 0.7742	AB=F? 0.7673	AB=G? 0.7638	AB=H? 0.7653	AB=I? 0.4464	AB=E-H? 0.7879	AB=FGH? 0.7754
									MONO. 0.5692	TREND. 0.5668
1967-70	OBS. EXP.	4	2	0	1	1	0	0	0	0
			1.6	1.1	0.6	0.2	0.2	0.1	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.261	0.000	1.557	4.570	0.000	0.000	0.000	0.000
			1.000		2.117	6.214	0.000	0.000	0.000	0.000
	TEST PROB.	AB=C? 0.3069	AB=D? 0.2589	AB=E? 0.7984	AB=F? 0.7852	AB=G? 0.7708	AB=H? 0.7697	AB=I? 0.4482	AB=E-H? 0.8292	AB=FGH? 0.8011
									MONO. 0.7925	TREND. 0.5954
1971-74	OBS. EXP.	5	2	1	0	1	0	1	0	0
			1.8	1.4	0.8	0.3	0.3	0.2	0.1	0.1
	OBS./EXP. RELATIVE RISK		1.087	0.706	0.000	3.130	0.000	5.890	0.000	0.000
			1.000		0.000	3.397	0.000	6.392	0.000	0.000
	TEST PROB.	AB=C? 0.8347	AB=D? 0.2671	AB=E? 0.7799	AB=F? 0.2516	AB=G? 0.7654	AB=H? 0.7673	AB=I? 0.4458	AB=E-H? 0.2980	AB=FGH? 0.2666
									MONO. 0.4301	TREND. 0.2800
1975-78	OBS. EXP.	1	0	0	0	0	1	0	0	0
			0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0
	OBS./EXP. RELATIVE RISK		0.000	0.000	0.000	0.000	10.343	0.000	0.000	0.000
							X	X	X	X
	TEST PROB.	AB=C? X	AB=D? X	AB=E? 0.2198	AB=F? X	AB=G? X	AB=H? X	AB=I? X	AB=E-H? 0.2394	AB=FGH? X
									MONO. 0.2290	TREND. 0.2089

TABLE 36-6 SUICIDE

TABLE 36-6

HIROSHIMA + NAGASAKI, MALE, AGE ATB 35-49

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	64	33	18	10	2	1	0	0	0
TOTAL	EXP.	26.1	17.4	11.5	3.5	3.0	1.1	0.5	0.5	0.8
	OBS./EXP.	1.263	1.033	0.871	0.564	0.328	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.744	0.482	0.280	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7670	0.6118	0.8707	0.8574	0.8144	0.8334	0.9477	0.9175	0.4633
	TREND									0.9836
1950-54	OBS.	14	11	1	1	1	0	0	0	0
	EXP.	5.8	3.6	2.5	0.8	0.6	0.2	0.1	0.1	0.2
	OBS./EXP.	1.883	0.266	0.399	1.327	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.319	1.062	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8509	0.4057	0.8298	0.7884	0.7754	0.3082	0.8665	0.8186	0.2612
	TREND									0.8542
1955-58	OBS.	13	9	1	3	0	0	0	0	0
	EXP.	5.6	3.5	2.3	0.7	0.5	0.2	0.1	0.1	0.2
	OBS./EXP.	1.508	0.289	1.293	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		1.171	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4088	0.8243	0.8147	0.7792	0.7696	0.5957	0.8436	0.8014	0.5716
	TREND									0.8439
1959-62	OBS.	6	2	3	1	0	0	0	0	0
	EXP.	2.1	1.7	1.1	0.4	0.4	0.1	0.1	0.1	0.1
	OBS./EXP.	0.971	1.720	0.934	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.711	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6776	0.8197	0.8124	0.7844	0.7725	0.7611	0.8461	0.8084	0.9569
	TREND									0.8139
1963-66	OBS.	13	4	7	1	0	1	0	0	0
	EXP.	5.2	3.6	2.3	0.7	0.6	0.2	0.1	0.1	0.2
	OBS./EXP.	0.767	1.962	0.431	0.000	1.546	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.344	0.000	1.234	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8380	0.8493	0.3919	0.7973	0.7785	0.3868	0.6963	0.8306	0.5654
	TREND									0.7588
1967-70	OBS.	7	4	2	0	1	0	0	0	0
	EXP.	2.7	1.9	1.3	0.4	0.6	0.1	0.1	0.1	0.1
	OBS./EXP.	1.461	1.037	0.000	2.418	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.000	1.880	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.5872	0.3156	0.8158	0.7861	0.7727	0.7780	0.7794	0.8498	0.8100
	TREND									0.8505
1971-74	OBS.	6	1	3	2	0	0	0	0	0
	EXP.	2.5	1.6	1.1	0.3	0.3	0.1	0.0	0.0	0.1
	OBS./EXP.	0.404	1.845	1.836	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		1.881	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3772	0.7923	0.7890	0.7688	0.7633	0.7674	0.3708	0.8038	0.7782
	TREND									0.8233
1975-78	OBS.	5	2	1	2	0	0	0	0	0
	EXP.	2.2	1.3	0.9	0.2	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.	0.903	0.748	2.220	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		2.627	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.4459	0.7860	0.7841	0.7667	0.7625	0.7652	0.3825	0.7953	0.7735
	TREND									0.9601

TABLE 36-7 SUICIDE

TABLE 36-7

HIROSHIMA + NAGASAKI, MALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS.	44	22	15	4	2	1	0	0	0
TOTAL	EXP.		17.5	12.4	8.5	2.5	1.7	0.6	0.3	0.5
	OBS./EXP.		1.258	1.210	0.471	0.787	0.589	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.380	0.636	0.476	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9344	0.7337	0.7733	0.8323	0.7959	0.8148	0.9332	0.8839	0.8826
									0.5408	0.5408
										TREND.
										0.9420
1950-54	OBS.	14	8	3	2	0	1	0	0	0
	EXP.		5.6	4.0	2.7	0.8	0.5	0.2	0.1	0.2
	OBS./EXP.		1.438	0.745	0.742	0.000	1.866	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.647	0.000	1.628	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7308	0.8423	0.3369	0.7879	0.7729	0.7824	0.8029	0.6144	0.8155
									0.8695	0.8695
										TREND.
										0.7377
1955-58	OBS.	14	6	6	1	1	0	0	0	0
	EXP.		5.5	4.0	2.7	0.8	0.5	0.2	0.1	0.1
	OBS./EXP.		1.083	1.506	0.371	1.246	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.294	1.605	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8675	0.4514	0.8245	0.7888	0.7725	0.7811	0.8285	0.8602	0.8149
									0.8684	0.8684
										TREND.
										0.8300
1959-62	OBS.	7	2	5	0	0	0	0	0	0
	EXP.		2.9	1.9	1.3	0.4	0.3	0.1	0.0	0.1
	OBS./EXP.		0.697	2.578	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8975	0.8225	0.8035	0.7775	0.7684	0.7734	0.9191	0.8299	0.7957
									0.3992	0.3992
										TREND.
										0.8037
1963-66	OBS.	4	4	0	0	0	0	0	0	0
	EXP.		1.5	1.1	0.8	0.2	0.2	0.1	0.0	0.0
	OBS./EXP.		2.597	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2687	0.8048	0.7921	0.7748	0.7670	0.7704	0.8888	0.8154	0.7895
									0.4463	0.4463
										TREND.
										0.8044
1967-70	OBS.	1	0	0	1	0	0	0	0	0
	EXP.		0.2	0.3	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		0.000	0.000	4.240	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		X	X	X	X	X	X	X	X
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.2399	X	X	X	X	X	0.2398	X	X
									0.8620	0.8620
										TREND.
										0.5241
1971-74	OBS.	3	1	1	0	1	0	0	0	0
	EXP.		1.3	0.8	0.6	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.		0.748	1.308	0.000	6.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	6.304	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8303	0.2582	0.7719	0.7652	0.7633	0.7644	0.3512	0.7827	0.7719
									0.6528	0.6528
										TREND.
										0.4973
1975-78	OBS.	1	1	0	0	0	0	0	0	0
	EXP.		0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		2.307	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8128	0.7772	0.7681	0.7626	0.7629	0.7617	0.8246	0.7741	0.7665
									0.9882	0.9882
										TREND.
										0.6204

TABLE 36-A SUICIDE,

TABLE 36-B

HIROSHIMA + NAGASAKI, FEMALE, ALL AGES

YEAR	CLASS	1-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	211	80	70	34	13	11	0	0	3
	EXP.		80.9	60.9	41.0	11.7	8.6	3.9	1.8	2.1
	OBS./EXP.		0.989	1.149	0.829	1.110	1.282	0.000	0.000	1.413
	RELATIVE RISK		1.000		0.784	1.049	1.212	0.000	0.000	1.336
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8398	0.4610	0.4067	0.9529	0.8887	0.4115	0.7379	0.7519	0.9325
										0.2183
										0.7576
1950-54	OBS.	31	14	9	6	2	2	0	0	0
	EXP.		12.3	8.7	6.0	1.7	1.2	0.5	0.3	0.3
	OBS./EXP.		1.134	1.035	0.664	1.173	1.715	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.607	1.073	1.569	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7963	0.4422	0.3802	0.8220	0.7926	0.7963	0.7524	0.6604	0.8632
										0.9162
										0.7564
1955-58	OBS.	43	15	13	8	5	1	0	0	1
	EXP.		16.6	12.2	8.2	2.4	1.9	0.9	0.4	0.4
	OBS./EXP.		0.904	1.064	0.974	2.057	0.533	0.000	0.000	2.341
	RELATIVE RISK		1.000		1.002	2.117	0.549	0.000	0.000	2.409
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.4703	0.2290	0.7846	0.8540	0.8009	0.3047	0.3692	0.8105	0.7599
										0.6137
										0.4451
1959-62	OBS.	26	15	5	5	0	1	0	0	0
	EXP.		10.4	7.4	5.1	1.4	0.9	0.1	0.2	0.2
	OBS./EXP.		1.438	0.677	0.986	0.000	1.119	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.878	0.000	0.996	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6165	0.8763	0.5812	0.8099	0.7861	0.7894	0.7437	0.7721	0.8464
										0.6297
										0.8711
1963-66	OBS.	24	9	9	3	1	2	0	0	0
	EXP.		8.9	7.1	4.7	1.4	1.0	0.5	0.2	0.2
	OBS./EXP.		1.015	1.259	0.644	0.723	1.965	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.573	0.643	1.749	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7961	0.7010	0.3862	0.8146	0.7860	0.7872	0.8018	0.6008	0.8483
										0.8797
										0.7329
1967-70	OBS.	20	4	10	1	2	2	0	0	1
	EXP.		7.1	6.1	4.0	1.2	0.8	0.4	0.2	0.2
	OBS./EXP.		0.566	1.640	0.248	1.737	2.372	0.000	0.000	4.436
	RELATIVE RISK		1.000		0.233	1.633	2.231	0.000	0.000	4.171
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9038	0.3806	0.4029	0.8057	0.7815	0.2714	0.8076	0.4025	0.4103
										0.1039
										0.0869
1971-74	OBS.	46	13	20	9	3	1	0	0	0
	EXP.		17.5	13.3	8.9	2.5	1.9	0.9	0.4	0.5
	OBS./EXP.		0.742	1.503	1.012	1.182	0.513	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.945	1.104	0.480	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5884	0.4217	0.7635	0.8434	0.8013	0.8105	0.5521	0.8852	0.8898
										0.4355
										0.9012
1975-78	OBS.	21	10	6	4	0	2	0	0	1
	EXP.		8.1	6.1	4.1	1.2	0.8	0.4	0.2	0.2
	OBS./EXP.		1.240	0.860	0.974	0.000	2.405	0.000	0.000	4.591
	RELATIVE RISK		1.000		0.982	0.000	2.426	0.000	0.000	4.633
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.5508	0.8500	0.2974	0.7916	0.7775	0.2637	0.6021	0.2962	0.3444
										0.3930
										0.1694

TABLE 36-9 SUICIDE

TABLE 36-9

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 0-9

		T=65 TOTAL DOSE IN RAD								
YEAR	CLASS	TOTAL	A	1-9 B	10-19 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H
1950-78	OBS. TOTAL	28	11 10.4	10 8.8	4 5.7	1 1.4	1 0.8	0 0.4	0 0.2	1 0.3
	OBS./EXP. RELATIVE RISK		1.054 1.000	1.135 1.000	0.696 0.638	0.718 0.658	1.249 1.145	0.000 0.000	0.000 0.000	3.812 3.493
	TEST PROB.	AB=C? 0.7667	AB=D? 0.6952	AB=E? 0.3879	AB=F? 0.8016	AB=G? 0.7790	AB=H? 0.2747	AB=I? 0.7831	AB=J? 0.4019	AB=K? 0.4033
										AB=L? 0.8345
										AB=M? 0.2972
1950-54	OBS. TOTAL	1	1 0.2	0 0.4	0 0.2	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		4.921 1.000	0.000 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8312	AB=D? 0.7830	AB=E? 0.7743	AB=F? 0.7684	AB=G? 0.7635	AB=H? 0.7668	AB=I? 0.8452	AB=J? 0.7901	AB=K? 0.7776
										AB=L? 0.7889
										AB=M? 0.8023
1955-58	OBS. TOTAL	7	0 2.2	4 2.4	1 1.5	1 0.4	0 0.2	0 0.1	0 0.0	1 0.1
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.679 1.000	0.649 0.745	2.592 2.978	0.000 0.000	0.000 0.000	0.000 0.000	12.084 13.886
	TEST PROB.	AB=C? 0.6354	AB=D? 0.2838	AB=E? 0.7855	AB=F? 0.7742	AB=G? 0.7660	AB=H? 0.2480	AB=I? 0.3879	AB=J? 0.2964	AB=K? 0.2665
										AB=L? 0.0309
										AB=M? 0.0109
1959-62	OBS. TOTAL	5	3 2.1	1 1.5	1 1.0	0 0.2	0 0.1	0 0.1	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.447 1.000	0.677 1.000	1.030 0.914	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.5901	AB=D? 0.7877	AB=E? 0.7759	AB=F? 0.7669	AB=G? 0.7632	AB=H? 0.7641	AB=I? 0.6648	AB=J? 0.7877	AB=K? 0.7733
										AB=L? 0.9932
										AB=M? 0.7153
1963-66	OBS. TOTAL	2	2 0.9	0 0.5	0 0.4	0 0.1	0 0.0	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		2.140 1.000	0.000 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8240	AB=D? 0.7773	AB=E? 0.7698	AB=F? 0.7643	AB=G? 0.7620	AB=H? 0.7625	AB=I? 0.8350	AB=J? 0.7773	AB=K? 0.7682
										AB=L? 0.9427
										AB=M? 0.6333
1967-70	OBS. TOTAL	2	1 0.7	1 0.7	0 0.4	0 0.1	0 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		1.493 1.000	1.504 1.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.8417	AB=D? 0.7860	AB=E? 0.7761	AB=F? 0.7688	AB=G? 0.7639	AB=H? 0.7666	AB=I? 0.8556	AB=J? 0.7919	AB=K? 0.7779
										AB=L? 0.9945
										AB=M? 0.7060
1971-74	OBS. TOTAL	8	4 3.2	3 2.4	1 1.6	0 0.4	0 0.2	0 0.1	0 0.0	0 0.1
	OBS./EXP. RELATIVE RISK		1.248 1.000	1.242 1.000	0.631 0.507	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.7605	AB=D? 0.8127	AB=E? 0.7927	AB=F? 0.7770	AB=G? 0.7676	AB=H? 0.7720	AB=I? 0.8049	AB=J? 0.8193	AB=K? 0.7934
										AB=L? 0.9863
										AB=M? 0.7857
1975-78	OBS. TOTAL	3	0 1.1	1 0.9	1 0.6	0 0.1	1 0.1	0 0.0	0 0.0	0 0.0
	OBS./EXP. RELATIVE RISK		0.000 1.000	1.069 1.000	1.638 3.196	0.000 0.000	11.292 24.655	0.000 0.000	0.000 0.000	0.000 0.000
	TEST PROB.	AB=C? 0.2795	AB=D? 0.7719	AB=E? 0.2430	AB=F? 0.7629	AB=G? 0.7614	AB=H? 0.7618	AB=I? 0.2912	AB=J? 0.2454	AB=K? 0.7655
										AB=L? 0.1090
										AB=M? 0.1704

TABLE 36-10 SUICIDE

TABLE 36-10

HIROSHIMA + NAGASAKI, FEMALE, AGE 15-19

YEAR	CLASS	T-45 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	65 25.0	28 25.0	13 18.0	14 11.2	4 3.7	4 3.7	0 1.8	0 0.8	0 0.8		
	OBS./EXP. RELATIVE RISK		1.118 1.000	0.723	1.245 1.306	1.620 1.700	1.067 1.120	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3238	AB=D? 0.2931	AB=E? 0.3219	AB=F? 0.8956	AB=G? 0.8306	AB=H? 0.8290	AB=CD? 0.2289	AB=E-H? 0.8391	AB=FGH? 0.9390	HOMO. 0.4029	TREND. 0.9095
1950-54	OBS. EXP.	11 4.6	8 4.6	1 2.9	1 1.9	1 0.6	0 0.5	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.732 1.000	0.346	0.518 0.432	1.761 1.469	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.7928	AB=D? 0.3508	AB=E? 0.8309	AB=F? 0.7987	AB=G? 0.7728	AB=H? 0.7778	AB=CD? 0.7159	AB=E-H? 0.8706	AB=FGH? 0.8245	HOMO. 0.5779	TREND. 0.8264
1955-58	OBS. EXP.	17 6.2	6 6.2	4 4.8	4 2.9	2 1.0	1 1.1	0 0.5	0 0.2	0 0.2		
	OBS./EXP. RELATIVE RISK		0.971 1.000	0.828	1.370 1.508	1.960 2.157	0.907 0.998	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.4736	AB=D? 0.3942	AB=E? 0.6690	AB=F? 0.3334	AB=G? 0.7861	AB=H? 0.7862	AB=CD? 0.3278	AB=E-H? 0.8088	AB=FGH? 0.3625	HOMO. 0.9305	TREND. 0.7473
1959-62	OBS. EXP.	7 3.0	5 3.0	1 1.8	1 1.2	0 0.4	0 0.3	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.669 1.000	0.550	0.811 0.651	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.6988	AB=D? 0.8108	AB=E? 0.8094	AB=F? 0.7856	AB=G? 0.7729	AB=H? 0.7724	AB=CD? 0.7593	AB=E-H? 0.8410	AB=FGH? 0.8049	HOMO. 0.9005	TREND. 0.8124
1963-66	OBS. EXP.	7 2.5	3 2.5	2 2.0	0 1.2	1 0.4	1 0.5	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		1.193 1.000	0.999	0.000 0.000	2.345 2.118	2.178 1.967	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8730	AB=D? 0.2986	AB=E? 0.3200	AB=F? 0.7934	AB=G? 0.7730	AB=H? 0.7728	AB=CD? 0.7325	AB=E-H? 0.5615	AB=FGH? 0.8123	HOMO. 0.8751	TREND. 0.5668
1967-70	OBS. EXP.	5 1.8	1 1.8	1 1.4	0 0.9	2 0.3	1 0.3	0 0.2	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.544 1.000	0.705	0.000 0.000	6.670 10.841	3.160 5.136	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.8295	AB=D? 0.1092	AB=E? 0.2571	AB=F? 0.7812	AB=G? 0.7673	AB=H? 0.7671	AB=CD? 0.4112	AB=E-H? 0.2766	AB=FGH? 0.7925	HOMO. 0.0725	TREND. 0.2569
1971-74	OBS. EXP.	13 4.8	3 4.8	4 3.7	6 2.2	0 0.8	0 0.8	0 0.4	0 0.2	0 0.2		
	OBS./EXP. RELATIVE RISK		0.623 1.000	1.089	2.685 3.257	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.0942	AB=D? 0.8291	AB=E? 0.8362	AB=F? 0.8033	AB=G? 0.7773	AB=H? 0.7767	AB=CD? 0.1848	AB=E-H? 0.8760	AB=FGH? 0.8267	HOMO. 0.2274	TREND. 0.8509
1975-78	OBS. EXP.	5 2.1	2 2.1	0 1.3	2 0.9	0 0.3	1 0.2	0 0.1	0 0.1	0 0.1		
	OBS./EXP. RELATIVE RISK		0.962 1.000	0.000	2.301 3.927	0.000 0.000	4.184 7.139	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.3437	AB=D? 0.7797	AB=E? 0.2502	AB=F? 0.7659	AB=G? 0.7650	AB=H? 0.7645	AB=CD? 0.4590	AB=E-H? 0.2613	AB=FGH? 0.7745	HOMO. 0.5737	TREND. 0.4050

TABLE 36-11 SUICIDE

TABLE 36-11

HIROSHIMA + NAGASAKI, FEMALE, AGE 17-34

		1-65 TOTAL DOSE IN RAD										
YEAR	CLASS	TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78	OBS.	36	13	11	7	2	2	0	0	1		
TOTAL	EXP.		13.6	10.5	6.9	2.1	1.5	0.6	0.3	0.5		
	OBS./EXP.		0.957	1.049	1.019	0.940	1.370	0.000	0.000	2.117		
	RELATIVE RISK		1.000		1.022	0.943	1.374	0.000	0.000	2.124		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4750	0.5458	0.3812	0.8152	0.7943	0.3031	0.5144	0.4236	0.6810	0.9681	0.4305
1950-54	OBS.	6	2	2	1	0	1	0	0	0		
	EXP.		2.4	1.7	1.1	0.3	0.2	0.1	0.1	0.1		
	OBS./EXP.		0.824	1.196	0.885	0.000	4.702	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.907	0.000	4.818	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.5993	0.4030	0.2649	0.7762	0.7687	0.7718	0.6855	0.2966	0.7933	0.8191	0.4794
1955-58	OBS.	4	2	2	0	0	0	0	0	0		
	EXP.		1.5	1.2	0.8	0.2	0.2	0.1	0.0	0.1		
	OBS./EXP.		1.303	1.736	0.000	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.8452	0.5030	0.7923	0.7761	0.7686	0.7715	0.9851	0.8183	0.7929	0.9548	0.7829
1959-62	OBS.	3	2	0	1	0	0	0	0	0		
	EXP.		1.1	0.9	0.6	0.2	0.1	0.1	0.0	0.0		
	OBS./EXP.		1.837	0.000	1.737	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.721	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3243	0.7915	0.7876	0.7743	0.7673	0.7687	0.3672	0.8100	0.7878	0.9242	0.7193
1963-66	OBS.	6	2	1	2	0	1	0	0	0		
	EXP.		2.4	1.7	1.1	0.3	0.2	0.1	0.1	0.1		
	OBS./EXP.		0.822	0.600	1.771	0.000	4.676	0.000	0.000	0.000		
	RELATIVE RISK		1.000		2.420	0.000	6.392	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.4110	0.7902	0.2535	0.7668	0.7643	0.7666	0.3673	0.2684	0.7765	0.7242	0.4372
1967-70	OBS.	2	0	2	0	0	0	0	0	0		
	EXP.		0.9	0.5	0.4	0.1	0.1	0.0	0.0	0.0		
	OBS./EXP.		0.000	3.869	0.000	0.000	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.8274	0.7832	0.7729	0.7651	0.7632	0.7649	0.8418	0.7840	0.7723	0.5707	0.6726
1971-74	OBS.	9	2	3	2	2	0	0	0	0		
	EXP.		3.3	2.7	1.7	0.5	0.4	0.2	0.1	0.1		
	OBS./EXP.		0.610	1.118	1.159	3.705	0.000	0.000	0.000	0.000		
	RELATIVE RISK		1.000		1.382	4.417	0.000	0.000	0.000	0.000		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.3793	0.2018	0.7954	0.7774	0.7695	0.7722	0.3224	0.8227	0.7952	0.6213	0.6025
1975-78	OBS.	6	3	1	1	0	0	0	0	1		
	EXP.		1.9	1.9	1.2	0.4	0.3	0.1	0.1	0.1		
	OBS./EXP.		1.556	0.525	0.846	0.000	0.000	0.000	0.000	11.037		
	RELATIVE RISK		1.000		0.810	0.000	0.000	0.000	0.000	10.617		
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?	HOMO.	TREND.
	PROB.	0.6262	0.8021	0.7927	0.7762	0.7688	0.2494	0.7054	0.3193	0.2736	0.1301	0.0582

TABLE 36-12 SUICIDE

TABLE 38-12

HIROSHIMA • NAGASAKI, FEMALE, AGE 15-49

YEAR CLASS		T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	49	16	23	2	4	3	0	0	1
TOTAL	EXP.	18.4	14.1	10.4	2.7	1.7	0.8	0.4	0.5	
	OBS./EXP.	0.869	1.627	0.192	1.497	1.722	0.000	0.000	2.039	
	RELATIVE RISK	1.000	0.160	1.249	1.437	0.000	0.000	0.000	1.701	
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9856	0.4272	0.4210	0.8438	0.8044	0.3358	0.9574	0.5776	0.7730
									0.0246	0.0246
										0.4129
1950-54	OBS.	5	3	1	0	1	0	0	0	0
EXP.		2.3	1.2	1.0	0.3	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.	1.328	0.835	0.000	3.851	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.000	3.329	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8665	0.2771	0.7823	0.7689	0.7647	0.7657	0.6264	0.7978	0.7781
									0.8171	0.6001
1955-58	OBS.	7	1	3	1	2	0	0	0	0
EXP.		2.9	1.9	1.5	0.4	0.2	0.1	0.0	0.0	0.1
	OBS./EXP.	0.347	1.617	0.688	5.357	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.815	6.349	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.6397	0.1522	0.7875	0.7737	0.7665	0.7688	0.4454	0.8094	0.7868
									0.2086	0.2086
										0.4906
1959-62	OBS.	5	3	1	0	0	1	0	0	0
EXP.		1.4	1.7	1.1	0.3	0.2	0.1	0.0	0.0	0.1
	OBS./EXP.	2.072	0.586	0.000	0.000	0.000	4.001	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.000	0.000	0.000	3.758	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8793	0.8032	0.2722	0.7776	0.7680	0.7714	0.8970	0.3165	0.7938
									0.4519	0.4519
1963-66	OBS.	3	1	2	0	0	0	0	0	0
EXP.		1.1	0.9	0.6	0.2	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.	0.919	2.257	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8595	0.7939	0.7838	0.7724	0.7657	0.7682	0.8758	0.8042	0.7844
									0.9313	0.9313
										0.7207
1967-70	OBS.	9	1	5	1	0	1	0	0	1
EXP.		3.0	2.8	2.0	0.5	0.3	0.2	0.1	0.1	0.1
	OBS./EXP.	0.332	1.781	0.511	0.000	0.000	2.869	0.000	0.000	8.908
	RELATIVE RISK	1.000	0.496	0.000	0.000	2.783	0.000	0.000	0.000	8.641
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.7630	0.8180	0.2856	0.7838	0.7713	0.2552	0.8112	0.4053	0.2956
									0.0748	0.0748
										0.0246
1971-74	OBS.	15	4	9	0	1	1	0	0	0
EXP.		5.7	4.3	3.2	0.8	0.5	0.2	0.1	0.1	0.1
	OBS./EXP.	0.696	2.097	0.000	1.244	1.914	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.000	0.000	0.960	1.478	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.9516	0.5685	0.3489	0.7963	0.7768	0.7932	0.9266	0.6622	0.8256
									0.1909	0.1909
										0.6683
1975-78	OBS.	5	3	2	0	0	0	0	0	0
EXP.		2.0	1.4	1.0	0.3	0.2	0.1	0.0	0.0	0.0
	OBS./EXP.	1.494	1.451	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=CD?	AB=E-H?	AB=FGH?
	PROB.	0.8843	0.8048	0.7905	0.7746	0.7669	0.7692	0.9018	0.8132	0.7883
									0.9337	0.9337
										0.7846

TABLE 36-13 SUICIDE

TABLE 36-13

HIROSHIMA + NAGASAKI, FEMALE, AGE ATB 50+

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-19	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-78	OBS.	33	12	13	7	0	1	0	0	0
TOTAL	EXP.		13.4	9.5	6.7	1.8	0.8	0.4	0.2	0.1
	OBS./EXP.		0.895	1.366	1.040	0.000	1.206	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.955	0.000	1.107	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.5753	0.8951	0.4390	0.8042	0.7811	0.7790	0.7302	0.7285	0.8321
										0.7820
										0.8319
1950-54	OBS.	8	0	5	2	0	1	0	0	0
	EXP.		2.8	2.6	1.7	0.5	0.2	0.1	0.0	0.0
	OBS./EXP.		0.000	1.961	1.173	0.000	4.100	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.263	0.000	4.615	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3909	0.8102	0.2655	0.7745	0.7666	0.7666	0.5589	0.2904	0.7855
										0.2634
										0.3680
1955-58	OBS.	8	6	0	2	0	0	0	0	0
	EXP.		3.8	2.0	1.5	0.4	0.2	0.1	0.0	0.0
	OBS./EXP.		1.590	0.000	1.300	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.251	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3877	0.8070	0.7799	0.7684	0.7641	0.7637	0.5369	0.7930	0.7751
										0.7631
										0.7160
1959-62	OBS.	4	2	2	2	0	0	0	0	0
	EXP.		2.8	1.5	1.2	0.3	0.1	0.1	0.0	0.0
	OBS./EXP.		0.708	1.348	1.715	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		1.847	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.3760	0.7957	0.7745	0.7666	0.7632	0.7629	0.3707	0.7849	0.7718
										0.9808
										0.6718
1963-66	OBS.	6	1	4	1	0	0	0	0	0
	EXP.		1.9	2.0	1.3	0.4	0.2	0.1	0.0	0.0
	OBS./EXP.		0.527	1.952	0.755	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.596	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7230	0.8162	0.7938	0.7784	0.7690	0.7662	0.7780	0.8182	0.7909
										0.8659
										0.7168
1967-70	OBS.	2	1	1	0	0	0	0	0	0
	EXP.		0.7	0.7	0.4	0.1	0.1	0.0	0.0	0.0
	OBS./EXP.		1.532	1.449	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8384	0.7894	0.7758	0.7687	0.7645	0.7633	0.8549	0.7890	0.7754
										0.9948
										0.7242
1971-74	OBS.	1	0	1	0	0	0	0	0	0
	EXP.		0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0
	OBS./EXP.		0.000	2.036	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8094	0.7738	0.7661	0.7625	0.7610	0.7610	0.8191	0.7700	0.7643
										0.9317
										0.6146
1975-78	OBS.	2	2	0	0	0	0	0	0	0
	EXP.		0.9	0.5	0.4	0.1	0.0	0.0	0.0	0.0
	OBS./EXP.		2.184	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	RELATIVE RISK		1.000		0.000	0.000	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8322	0.7822	0.7688	0.7641	0.7616	0.7617	0.8455	0.7740	0.7668
										0.9367
										0.6552

TABLE 36-14 SUICIDE

TABLE 36-14

HIROSHIMA, MALE + FEMALE, ALL AGES

YEAR	CLASS	T-65 TOTAL DOSE IN RAD								
		TOTAL	0	1-9	10-49	50-99	100-199	200-299	300-399	400+
		A	B	C	D	E	F	G	H	
1950-79	OBS.	323	158	89	41	21	13	1	0	0
TOTAL	EXP.	146.4	86.5	57.2	14.6	9.8	3.7	2.0	2.9	
	OBS./EXP.	1.079	1.029	0.717	1.442	1.331	0.271	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.676	1.359	1.255	0.254	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.9553	0.1954	0.3294	0.3856	0.8932	0.9226	0.8559	0.8190	0.9773
1950-54	OBS.	45	40	9	8	3	5	0	0	0
	EXP.	29.3	17.6	11.3	2.9	2.1	0.8	0.1	0.6	
	OBS./EXP.	1.365	0.513	0.706	1.025	2.418	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.675	0.980	2.312	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7987	0.5412	0.1502	0.8302	0.8043	0.8208	0.7729	0.4504	0.8888
1955-58	OBS.	73	35	19	11	7	1	0	0	0
	EXP.	33.1	19.6	12.9	3.3	2.2	0.8	0.5	0.7	
	OBS./EXP.	1.058	0.969	0.856	2.124	0.653	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.835	2.072	0.442	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6831	0.1348	0.7873	0.8334	0.8032	0.8210	0.4716	0.8990	0.8903
1959-62	OBS.	44	23	15	6	1	0	1	0	0
	EXP.	20.1	11.7	7.9	2.0	1.2	0.5	0.3	0.3	
	OBS./EXP.	1.144	1.281	0.509	0.499	0.000	2.076	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.426	0.418	0.000	1.738	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.9053	0.7967	0.8701	0.3238	0.7925	0.8018	0.9245	0.8285	0.6547
1963-66	OBS.	42	18	16	6	2	2	0	0	0
	EXP.	19.0	11.4	7.3	1.8	1.3	0.5	0.3	0.4	
	OBS./EXP.	0.947	1.403	0.567	1.082	1.543	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.589	0.687	1.379	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.8681	0.5431	0.3833	0.8114	0.7891	0.8033	0.8171	0.6829	0.8585
1967-70	OBS.	22	8	6	3	3	2	0	0	0
	EXP.	10.0	5.8	4.0	1.0	0.7	0.3	0.1	0.2	
	OBS./EXP.	0.804	1.035	0.759	3.034	2.840	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.854	3.614	3.196	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6270	0.1558	0.2845	0.7843	0.7727	0.7792	0.4170	0.3947	0.8099
1971-74	OBS.	52	20	20	7	4	1	0	0	0
	EXP.	23.6	13.8	9.4	2.4	1.5	0.6	0.3	0.4	
	OBS./EXP.	0.846	1.454	0.745	1.700	0.685	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.697	1.590	0.621	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.7673	0.3741	0.7065	0.8172	0.7935	0.5042	0.6437	0.8409	0.8655
1975-78	OBS.	25	14	4	6	1	2	0	0	0
	EXP.	11.3	6.7	4.5	1.1	0.8	0.3	0.1	0.2	
	OBS./EXP.	1.237	0.598	0.890	0.881	2.639	0.000	0.000	0.000	0.000
	RELATIVE RISK	1.000		0.890	0.881	2.639	0.000	0.000	0.000	0.000
	TEST	AB=C?	AB=D?	AB=E?	AB=F?	AB=G?	AB=H?	AB=I?	AB=J?	AB=K?
	PROB.	0.6188	0.6136	0.3387	0.7876	0.7760	0.7808	0.6161	0.3810	0.8163

TABLE 36-15 SUICIDE

TABLE 36-15

NAGASAKI, MALE + FEMALE, ALL AGES

YEAR CLASS		1-65 TOTAL DOSE IN RAD										
		TOTAL	0 A	1-9 B	10-49 C	50-99 D	100-199 E	200-299 F	300-399 G	400+ H		
1950-78 TOTAL	OBS. EXP.	117 24.5	27 24.5	58 42.5	20 23.5	4 9.1	6 9.0	1 4.6	0 1.7	3 2.2		
	OBS./EXP. RELATIVE RISK		1.102 1.000	1.365	0.852 0.672	0.442 0.348	0.667 0.352	0.217 0.171	0.000 0.000	1.354 1.068		
	TEST PROB.	AB=C? 0.8849	AB=D? 0.9482	AB=E? 0.9472	AB=F? 0.9391	AB=G? 0.8932	AB=H? 0.4298	AB=I? 0.9586	AB=E-H? 0.9819	AB=FGH? 0.9347	HOMO. 0.0178	TREND. 0.9813
1950-54	OBS. EXP.	13	5 2.7	6 4.8	2 2.8	0 1.0	0 0.9	0 0.4	0 0.2	0 0.2		
	OBS./EXP. RELATIVE RISK		1.876 1.000	1.247	0.712 0.484	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2075	AB=D? 0.8719	AB=E? 0.8666	AB=F? 0.8233	AB=G? 0.7870	AB=H? 0.7966	AB=I? 0.8799	AB=E-H? 0.9164	AB=FGH? 0.8614	HOMO. 0.6234	TREND. 0.9311
1955-58	OBS. EXP.	25	6 5.4	14 8.8	2 4.8	1 2.0	1 2.1	0 1.1	0 0.4	1 0.5		
	OBS./EXP. RELATIVE RISK		1.107 1.000	1.588	0.420 0.299	0.506 0.360	0.479 0.341	0.000 0.000	0.000 0.000	2.106 1.500		
	TEST PROB.	AB=C? 0.9130	AB=D? 0.8249	AB=E? 0.8497	AB=F? 0.8780	AB=G? 0.8100	AB=H? 0.3389	AB=I? 0.9364	AB=E-H? 0.8916	AB=FGH? 0.3241	HOMO. 0.3471	TREND. 0.7700
1959-62	OBS. EXP.	14	3 2.9	8 5.2	2 3.0	0 1.1	1 1.0	0 0.5	0 0.2	0 0.3		
	OBS./EXP. RELATIVE RISK		1.038 1.000	1.545	0.677 0.497	0.000 0.000	1.049 0.769	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.7981	AB=D? 0.8730	AB=E? 0.6543	AB=F? 0.8255	AB=G? 0.7894	AB=H? 0.8008	AB=I? 0.8753	AB=E-H? 0.8169	AB=FGH? 0.8668	HOMO. 0.7923	TREND. 0.5784
1963-66	OBS. EXP.	16	3 3.3	10 5.8	1 3.2	1 1.3	1 1.2	0 0.6	0 0.2	0 0.3		
	OBS./EXP. RELATIVE RISK		0.903 1.000	1.720	0.313 0.220	0.774 0.544	0.818 0.575	0.000 0.000	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.9108	AB=D? 0.7425	AB=E? 0.7216	AB=F? 0.8347	AB=G? 0.7939	AB=H? 0.8015	AB=I? 0.9078	AB=E-H? 0.8558	AB=FGH? 0.8759	HOMO. 0.5573	TREND. 0.8912
1967-70	OBS. EXP.	14	3 2.9	7 5.1	2 2.9	1 1.1	0 1.0	0 0.5	0 0.2	1 0.3		
	OBS./EXP. RELATIVE RISK		1.018 1.000	1.370	0.683 0.550	0.934 0.753	0.000 0.000	0.000 0.000	0.000 0.000	3.872 3.119		
	TEST PROB.	AB=C? 0.7729	AB=D? 0.6639	AB=E? 0.8563	AB=F? 0.8216	AB=G? 0.7889	AB=H? 0.2800	AB=I? 0.7640	AB=E-H? 0.7871	AB=FGH? 0.6173	HOMO. 0.6789	TREND. 0.4736
1971-74	OBS. EXP.	23	4 4.8	9 8.3	3 4.5	1 1.8	0 1.9	1 1.0	0 0.3	0 0.4		
	OBS./EXP. RELATIVE RISK		0.828 1.000	1.080	1.792 1.815	0.568 0.575	0.000 0.000	1.039 1.053	0.000 0.000	0.000 0.000		
	TEST PROB.	AB=C? 0.2268	AB=D? 0.7193	AB=E? 0.8833	AB=F? 0.4130	AB=G? 0.7914	AB=H? 0.8032	AB=I? 0.3290	AB=E-H? 0.8623	AB=FGH? 0.7153	HOMO. 0.5306	TREND. 0.9023
1975-78	OBS. EXP.	12	3 2.5	4 4.4	3 2.4	0 0.9	1 1.3	0 0.5	0 0.2	1 0.2		
	OBS./EXP. RELATIVE RISK		1.220 1.000	0.906	1.268 1.246	0.000 0.000	1.051 1.032	0.000 0.000	0.000 0.000	4.135 4.080		
	TEST PROB.	AB=C? 0.3992	AB=D? 0.8416	AB=E? 0.4811	AB=F? 0.8090	AB=G? 0.7795	AB=H? 0.2708	AB=I? 0.5934	AB=E-H? 0.4424	AB=FGH? 0.4054	HOMO. 0.7468	TREND. 0.3234

TABLE 37 NUMBER OF DEATHS IN LSS SAMPLE BY MAJOR CAUSE OF DEATH GROUP & A-BOMB EXPOSURE STATUS, 1950-78

APPENDIX TABLE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS			
		TOTAL	NOT IN CITY	A-BOMB SURVIVORS	
				KNOWN DOSE	UNKNOWN
4	ALL CAUSES.....	31,027	6,858	23,502	667
5	ALL DISEASES.....	29,191	6,440	22,131	620
6	ALL NEOPLASMS.....	6,537	1,402	4,982	153
7	ALL MALIGNANT NEOPLASMS.....	6,248	1,347	4,756	145
8	LEUKEMIA.....	206	18	180	8
9	ALL EXCEPT LEUKEMIA.....	6,042	1,329	4,576	137
10	DIGESTIVE ORGANS.....	3,941	888	2,967	86
11	ESOPHAGUS.....	194	35	156	3
12	STOMACH.....	2,338	528	1,754	56
13	LARGE BOWEL.....	207	47	157	3
14	RECTUM.....	212	50	157	5
15	PANCREAS.....	195	43	148	4
16	OTHER, UNSPECIFIED.....	795	185	595	15
17	RESPIRATORY SYSTEM.....	745	161	564	20
18	LUNG.....	617	146	459	12
19	BREAST.....	157	22	128	7
20	CERVIX AND UTERUS.....	443	97	332	14
21	CERVIX.....	93	19	72	2
22	URINARY ORGANS.....	139	34	104	1
23	LYMPHOMAS.....	137	30	106	1
24	OTHER MALIGNANT NEOPLASMS.....	478	95	375	8
25	ALL EXCEPT STOMACH, LUNG, BREAST, THYROID, LEUKEMIA.....	2,900	625	2,213	62
26	BENIGN & UNSPECIFIED NEOPLASMS.....	289	55	226	8
27	ALL NEOPLASMS EXCEPT STOMACH, LUNG, BREAST, THYROID, LEUKEMIA.....	3,189	680	2,439	70
28	ALL DISEASES EXCEPT NEOPLASMS.....	22,654	5,030	17,149	467
29	TUBERCULOSIS.....	1,514	311	1,140	63
30	CEREBROVASCULAR DISEASE.....	6,804	1,567	5,108	129
31	CIRCULATORY DISEASES EXCEPT CNS.....	4,820	1,024	3,724	72
32	DISEASES OF BLOOD & HEMATOPOIETIC.....	156	24	132	0
33	DIGESTIVE DISEASES.....	2,364	487	1,822	55
34	OTHER DISEASES.....	6,296	1,625	5,223	148
35	ACCIDENTS, POISONINGS, VIOLENCE.....	1,836	418	1,371	47
36	SUICIDE.....	602	144	440	18