

**Web table A**

ERR by age at exposure, attained age, and sex for stroke and heart disease

	Stroke			Heart disease		
	Number	%ERR/ Gy	95% CI	Number	%ERR/Gy	95% CI
<b>Total</b>	9622	9	(1 to 17)	8463	14	(6 to 23)
<b>Age at exposure</b>						
<10	176	36	(-16 to 121)	238	24	(-14 to 85)
10-	404	9	(-16 to 42)	508	8	8 (-14 to 39)
20-	2,446	15	(1 to 31)	2754	10	10 (-4 to 25)
>40	6,596	5	(-4 to 15)	4963	17	17 (6 to 31)
Test		P>0.5			P>0.5	
<40	3026	15	(2 to 29)	3500	10	(-1 to 23)
>40	6596	5	(-4 to 15)	4963	17	(6 to 31)
Test		P=0.26			P=0.43	
<b>Attained age</b>						
<40	51	6	(- to 147)	141	-8	(- to 63)
40-	968	26	(5 to 52)	650	17	(-5 to 47)
60-	4,949	6	(-4 to 17)	3,575	12	(0 to 26)
>80	3,654	6	(-7 to 21)	4,097	16	(3 to 31)
Test		P=0.43			P>0.5	
<60	1,019	25	(4 to 50)	791	14	(-7 to 40)
>60	8,603	6	(-2 to 15)	7,672	14	(5 to 24)
Test		P=0.11			P>0.5	
<b>Sex</b>						
Men	3,958	11	(0 to 22)	3,261	7	(-4 to 20)
Women	5,664	7	(-3 to 18)	5,202	20	(8 to 34)
Test		P>0.5			P=0.14	

**Web table B**

Summary radiation risks (ERR and EAR) for sub-categories of circulatory disease

<b>Disease category (ICD 9<sup>TH</sup>)</b>	<b>Number of deaths</b>	<b>Statistical Test (p-value)</b>	<b>%ERR/Gy (95%CI)</b>	<b>EAR/10<sup>4</sup> PY-Gy (95%CI)<sup>1</sup></b>
<b>Circulatory disease (390-459)</b>	19,054 (100%)	<0.001	11 (5 to 17)	5.5 (2.7 to 8.4)
<b>Stroke (430-438)</b>	9,622 (50.5)	0.02	9 (1 to 17)	2.3 (0.4 to 4.4)
Cerebral infarction (433,434)	2,659 (14.0)	>0.5	4 (-10 to 20)	0.3 (-0.7 to 1.4)
Cerebral hemorrhage (431)	4,060 (21.3)	0.36	5 (-6 to 17)	0.6 (-0.6 to 1.9)
Subarachnoid hemorrhage (430)	461 (2.4)	0.09	30 (-4 to 76)	0.4 (-0.1 to 1.0)
Other or unspecified	2,442 (12.8)	0.04	16 (1 to 34)	1.1 (0.1 to 2.2)
<b>Heart disease (390-398, 402, 404, 410-429)</b>	8,463 (44.4)	<0.001	14 (6 to 23)	3.2 (1.3 to 5.2)
Ischemic Heart Disease (410-414)	3,252 (17.1)	>0.5	2 (-10 to 15)	0.2 (-0.9 to 1.3)
(Myocardial Infarction) (410)	(1,735 (9.1))	(>0.5)	(0 (-15 to 18))	(0.0 (-0.6 to 0.9))
Hypertensive heart disease (402, 404)	922 (4.8)	0.009	37 (8 to 72)	0.9 (0.2 to 1.6)
Rheumatic heart disease (393-398)	242 (1.3)	0.002	86 (25 to 172)	0.5 (0.2 to 1.0)
Heart failure (428)	2,983 (15.7)	0.003	22 (7 to 39)	1.8 (0.6 to 3.1)
Other heart disease	1,064 (5.6)	>0.5	-1 (-21 to 24)	0.0 (-0.6 to 0.7)
<b>Hypertensive disease without heart disease (401, 403, 405)</b>	411 (2.2)	>0.5	7 (-22 to 55)	0.1 (-0.2 to 0.5)
<b>Other circulatory disease</b>	558 (2.9)	>0.5	-1 (-- to 34)	0.0 (-- to 0.5)

<sup>1</sup> The average EARs are calculated directly from the fitted ERR models.