1) Published and in-press reports (2019 - Current):

<2021 – Current>

Amano MA, French B, Sakata R, Dekker M, Brenner AV. Lifetime risk of suicide among survivors of the atomic bombings of Japan. Epidemiol Psychiatr Sci. 2021; 30:e43. [Lss]

Bockwoldt B, Sugiyama H, Tsai K, Bhatti P, Brenner AV, Hu A, Kerr KF, Morenz E, French B, Phipps AI. Gastrointestinal cancer survival and radiation exposure among atomic bomb survivors: The Life Span Study. Cancer Epidemiol Biomarkers Prev. 2021; 30(2):412-8. [Lss]

Grant EJ, Yamamura M, Brenner AV, Preston DL, Utada M, Sugiyama H, Sakata R, Mabuchi K, Ozasa K. Radiation risks for the incidence of kidney, bladder and other urinary tract cancers: 1958-2009. Radiat Res. 2021; 195(2):140-8. [Lss]

Griffin KT, Sato T, Funamoto S, Chizhov K, Domal S, Paulbeck C, Bolch W, Cullings HM, Egbert S, Endo A, Hertel N, Lee C. Japanese pediatric and adult atomic bomb survivor dosimetry: Potential improvements using the J45 phantom series and modern Monte Carlo transport. Radiat Environ Biophys. 2021; [Epub] 1-14. [Dos]

Haruta D, Landes RD, Hida A, Imaizumi M, Ohishi W, Akahoshi M, Maemura K. Relationship between radiation exposure and incident atrial fibrillation among atomic bomb survivors. Circulation Reports. 2021; 3(7):381-7. [Ahs]

Hayashi T, Furukawa K, Morishita Y, Hayashi I, Kato N, Yoshida K, Kusunoki Y, Kyoizumi S, Ohishi W. Intracellular reactive oxygen species level in blood cells of atomic bomb survivors is increased due to aging and radiation exposure. Free Radical Biol Med. 2021; 171(126-34). [Mbs]

Hida A, Imaizumi M, French B, Ohishi W, Haruta D, Eguchi K, Nakamura H, Kawakami A. Association of human T-cell leukemia virus type 1 with prevalent rheumatoid arthritis among atomic bomb survivors--A cross-sectional study. Medicine. 2021; 100(24): e26297. [Ahs]

Hu A, French B, Sakata R, Bhatti P, Bockwoldt B, Grant EJ, Phipps A. The possible impact of passive smoke exposure on radiation-related risk estimates for lung cancer among women: The Life Span Study of atomic bomb survivors. Int J Radiat Biol. 2021; 97(11):1548-54. [Lss]

Ishihara K, Kato N, Misumi M, Kitamura H, Hida A, Yamada M. Radiation effects on late-life neurocognitive function in childhood atomic bomb survivors: A Radiation Effects Research Foundation Adult Health Study. Radiat Res. 2022; [Epub ahead of print]: 197(000-000). [Ahs]

Kaiser JC, Misumi M, Furukawa K. Biologically-based modeling of radiation risk and biomarker prevalence for papillary thyroid cancer in Japanese a-bomb survivors 1958 - 2005. Int J Radiat Biol. 2021; 97(1):19-30. [Mm]

Little MP, Wakeford R, Zablotska LB, Borrego D, Griffin K, Allodji R, de Vathaire, Lee C, Brenner AV, Miller JS, Campbell D, Sadetzki S, Doody MM, Holmberg E, Lundell M, Adams MJ, French B, Linet MS, de Gonzalez. Lymphoma and multiple myeloma in cohorts of persons exposed to ionising radiation at a young age. Leukemia. 2021; 35(10):2906-16. [Lss]

Mabuchi K, Preston DL, Brenner AV, Sugiyama H, Utada M, Sakata R, Sadakane A, Grant EJ, French B, Cahoon EK, Ozasa K. Risk of prostate cancer incidence among atomic bomb survivors: 1958-2009. Radiat Res. 2021; 195(1):66-76. [Lss]

Nakamizo T, Cologne JB, Cordova KA, Yamada M, Takahashi T, Misumi M, Fujiwara S, Matsumoto M, Kihara Y, Hida A, Ohishi W. Radiation effects on atherosclerosis in atomic bomb survivors: A cross-sectional study using structural equation modeling. Eur J Epidemiol. 2021; 36(4):401-14. [Ahs]

Sugiyama H, Misumi M, Sakata R, Brenner AV, Utada M, Ozasa K. Mortality among individuals exposed to atomic bomb radiation in utero; 1950-2012. Eur J Epidemiol. 2021; 36(4):415-28. [Lss]

Utada M, Brenner AV, Preston DL, Cologne JB, Sakata R, Sugiyama H, Kato N, Grant EJ, Cahoon EK, Mabuchi K, Ozasa K. Radiation risk of ovarian cancer in atomic bomb survivors: 1958-2009. Radiat Res. 2021; 195(1):60-5. [Lss]

Yamada M, Furukawa K, Tatsukawa Y, Marumo K, Funamoto S, Sakata R, Ozasa K, Cullings HM, Preston DL, Kurttio P. Yamada et al. Respond to "Radiation and Reproductive Health". Am J Epidemiol. 2021; 190(11):2337-8. [Ahs]

Yamada M, Furukawa K, Tatsukawa Y, Marumo K, Funamoto S, Sakata R, Ozasa K, Cullings HM, Preston DL, Kurttio P. Congenital malformations and perinatal deaths among the children

of atomic bomb survivors: A reappraisal. Am J Epidemiol. 2021; 190(11):2323-33. [Ahs]

Yamada M, Kato N, Kitamura H, Ishihara K, Hida A. Cognitive function among elderly survivors prenatally exposed to atomic bombings. Am J Med. 2021; 134(4): e264-7. [Ahs]

Yamamura M, Ohishi M, Yanagihara H. Spatio-temporal adaptive fused lasso for proportion data. Intelligent Decision Technologies--Proceedings of the 13th KES-IDT 2021 Conference. 2021; 479-89. [Spa]

Yoshida K, Misumi M, Kusunoki Y, Yamada M. Longitudinal changes in red blood cell distribution width decades after radiation exposure in atomic-bomb survivors. Br J Haematol. 2021; 193(2):406-9. [La, Ahs]

<In Press>
Brenner AV, Preston DL, Sakata R, Cologne JB, Sugiyama H, Utada M, Cahoon EK, Grant E, Mabuchi K, Ozasa K. Comparison of all solid cancer mortality and incidence dose-response in the Life Span Study of atomic bomb survivors, 1958-2009. Radiat Res. [Lss]

Cologne JB, Sugiyama H, Hamasaki K, Tatsukawa Y, French B, Sakata R, Misumi M. Chromosome Aberrations Among Atomic-bomb Survivors Exposed In Utero: Updated Analysis Accounting for Revised Radiation Doses and Smoking. Radiat Environ Biophys. 2021 [Ahs]

Tatsukawa Y, Cordova KA, Yamada M, Ohishi W, Imaizumi M, Hida A, Sposto R, Sakata R, Fujiwara S, Nakanishi S, Yoneda M. Incidence of Diabetes in the Atomic Bomb Survivors: 1969-2015. J Clin Endocrinol Metab. 2021; [Epub]:dgab902. [Ahs]

<Submitted>
Kitamura H, Ishihara K, Kato N, Misumi M, Hida A. Neurocognitive Function in Aged Survivors Exposed to Atomic Bomb Radiation in Utero: The Radiation Effects Research Foundation Adult Health Study. [Ahs]

Noma H, Misumi M, Tanaka S. Risk ratio and risk difference in case-cohort studies. [Sd]

Paulbeck CJ, Sato T, Funamoto S, Lee C, Griffin K, Cullings HM, Egbert SD, Endo A, Hertel N, Bolch WE. Fetal and maternal atomic bomb survivor dosimetry using the J45 series of

pregnant female phantoms. Part 1: Analysis using DS02 exposure scenarios. [Dos]

Paulbeck CJ, Sato T, Funamoto S, Lee C, Griffin K, Cullings HM, Egbert SD, Endo A, Hertel N, Bolch WE. Fetal and maternal atomic bomb survivor dosimetry using the J45 series of pregnant female phantoms. Part 2: Considerations of variations in fetal uterine position. [Dos]

Tsai K, Brenner A, Sugiyama H, Utada M, Morenz E, Carone M, French B, Phipps A. Effect Modification by Reproductive Factors on Radiation-Related Lung Cancer Risk among Atomic Bomb Survivors. Radiat Res. [Lss]

<In Development>

Domal SJ, Correa-Alfonso CM, Paulbeck CJ, Griffin KT, Sato T, Funamoto S, Cullings HM, Egbert SD, Endo A, Hertel NE, Lee C, Bolch WE. Fetal and maternal atomic bomb survivor dosimetry using the J45 series of pregnant female phantoms: Consideration of the kneeling and lying posture with comparisons to the DS02 system. [Target Journal - Health Phys]. [Dos]

Domal SJ, Correa-Alfonso CM, Paulbeck CJ, Griffin KT, Sato T, Funamoto S, Cullings HM, Egbert SD, Endo A, Hertel NE, Lee C, Bolch WE. A reassessment of the partial body shielding of the Nagasaki factory workers in the LSS cohort using the J45 computational phantoms. [Target Journal - Radiat Res]. [Dos]

Misumi M, Furukawa K. Multi-dimensional smoothing for age trends of radiation effects on the cancer risk of Japanese. [Target Journal - TBD]. [Drm, Lss]

Ohishi M, Yamamura M, Yanagihara H. Coordinate Descent Algorithm of Generalized Fused Lasso Logistic Regression for Multivariate Trend Filtering. [Target Journal - Japanese Journal of Statistics and Data Science]. [Spa]

Ohishi W, Cologne JB, Kim YM, Fujiwara S, Tsuge M, Chayama K. Mediation by Hepatitis Viruses of the Radiation-related Risk of Liver Cancer. [Target Journal - Int J Cancer or Eur J Epidemiol]. [Ahs]

Sposto R, Sugiyama H, Tsuruyama T, Brenner A. Effect of radiation exposure on survival after solid tumor diagnosis in A-bomb survivors. [Target Journal - Cancer Epidemiol, Biomarkers, & Prevention]. [Lss]

Yoshida K, Satoh Y, Uchimura A, Misumi M, Kyoizumi S, Taga M, Matsuda Y, Noda A, Kusunoki Y. Clonal hematopoiesis is prevalent in mice following whole-body X-irradiation. [Target Journal - TBD]. [Mbs, Ahs]

<2020 >

Brenner AV, Sugiyama H, Preston DL, Sakata R, French B, Sadakane A, Cahoon EK, Utada M, Mabuchi K, Ozasa K. Radiation risk of central nervous system tumors in the Life Span Study of atomic bomb survivors, 1958-2009. Eur J Epidemiol. 2020; 35(6):591-600. [Lss]

Cologne JB, Sugiyama H, French B, Cullings HM, Preston DL, Mabuchi K, Ozasa K, Grant EJ. Response to the letter to the editor by Drs. Walsh and Schneider. Radiat Res. 2020; 194(1):101. [Drm]

French B, Sadakane A, Cologne JB, Mabuchi K, Ozasa K, Preston DL. Misclassification of primary liver cancer in the Life Span Study of atomic bomb survivors. Int J Cancer. 2020; 147(5):1294-9. [Lss]

Fukui K, Ohishi M, Yamamura M, Yanagihara H. A Fast Optimization Method for Additive Model via Partial Generalized Ridge Regression. Intelligent Decision Technologies. Intelligent Decision Technologies--Proceedings of the 12th KES-IDT 2020 Conference. 2020; 279-290. [Spa]

Kim YM, Cologne JB, Jang E, Lange T, Tatsukawa Y, Ohishi W, Utada M, Cullings HM. Causal mediation analysis in nested case-control studies using conditional logistic regression. Biometrical J. 2020; 62(8):1939-59. [Ci]

Little MP, Pawel DJ, Misumi M, Hamada N, Cullings HM, Wakeford R, Ozasa K. Lifetime mortality risk from cancer and circulatory disease predicted from the Japanese atomic bomb survivor Life Span Study data taking account of dose measurement error. Radiat Res. 2020; 194(3):259-76. [Lss, me]

Sato T, Funamoto S, Paulbeck C, Griffin K, Lee C, Cullings HM, Egbert SD, Endo A, Hertel N, Bolch WE. Dosimetric impact of a new computational voxel phantom series for the Japanese atomic bomb survivors: Methodological improvements and organ dose response functions. Radiat Res. 2020; 194(4):390-402. [Dos]

Satoh Y, Asakawa J, Nishimura M, Kuo T, Shinkai N, Cullings HM, Minakuchi Y, Sese J, Toyoda A, Shimada Y, Nakamura N, Uchimura A. Characteristics of induced mutations in offspring derived from irradiated mouse spermatogonia and mature oocytes. Sci Rep. 2020; 10(1):37. [Mbs]

Sugiyama H, Misumi M, Brenner AV, Grant EJ, Sakata R, Sadakane A, Utada M, Preston DL, Mabuchi K, Ozasa K. Radiation risk of incident colorectal cancer by anatomical site among atomic bomb survivors: 1958-2009. Int J Cancer. 2020; 146(3):635-45. [Lss]

Takahashi N, Misumi M, Murakami H, Niwa Y, Ohishi W, Inaba T, Nagamachi A, Suzuki G. Association between low doses of ionizing radiation, administered acutely or chronically, and time to onset of stroke in a rat model. J Radiat Res. 2020; 61(5):666-73. [Mbs]

Takahashi N, Misumi M, Niwa Y, Murakami H, Ohishi W, Inaba T, Nagamachi A, Tanaka S, Tanaka I, Suzuki G. Effects of radiation on blood pressure and body weight in the spontaneously hypertensive rat model. Are radiation effects on blood pressure affected by genetic background? Radiat Res. 2020; 193(6):552-9. [Mbs]

Terui K, Hirahara N, Tachimori H, Kato N, Fujishiro J, Watanabe E, Tomita H, Okamoto T, Fujiogi M, Okamoto S, Yonekura T, Miyata H, Usui N. Development and validation of risk models for mortality and morbidity in 12 major pediatric surgical procedures: A study from the National Clinical Database-Pediatric of Japan. J Pediatr Surg. 2020; 55(10):2064-70.

Ueda K, Ohishi W, Cullings HM, Fujiwara S, Suzuki G, Hayashi T, Mitsui F, Hida A, Ozasa K, Ito M, Chayama K, Tahara E. Modifying effect of chronic atrophic gastritis on radiation risk for noncardia gastric cancer according to histological type. Radiat Res. 2020; 194(2):180-7. [Nos]

<2019>
Castelletti N, Kaiser JC, Simonetto C, Furukawa K, Kuchenhoff H, Stathopoulos GT. Risk of lung adenocarcinoma from smoking and radiation arises in distinct molecular pathways. Carcinogenesis. 2019; 40(10):1240-50. [Mm]

Cologne JB, Furukawa K, Grant EJ, Abbott RD. Effects of omitting non-confounding predictors from general relative-risk models for binary outcomes. J Epidemiol. 2019; 29(3):116-22. [Drm]

Cologne JB, Kim J, Sugiyama H, French B, Cullings HM, Preston DL, Mabuchi K, Ozasa K. Effect of heterogeneity in background incidence on inference about the solid-cancer radiation dose response in atomic-bomb survivors. Radiat Res. 2019; 192(4):388-98. [Lss, drm]

Cologne JB, Takahashi I, French B, Nanri A, Misumi M, Sadakane A, Cullings HM, Araki Y, Mizoue T. Association of weight fluctuation with mortality in Japanese adults. JAMA Network Open. 2019; 2(3):e190731. [La, Ahs]

Cordova KA, Cullings HM. Assessing the relative biological effectiveness of neutrons across organs of varying depth among the atomic bomb survivors. Radiat Res. 2019; 192(4):380-7. [Dos, Lss]

Griffin K, Paulbeck C, Bolch W, Cullings HM, Egbert SD, Funamoto S, Sato T, Endo A, Hertel N, Lee C. Dosimetric impact of a new computational voxel phantom series for the Japanese atomic bomb survivors: Children and adults. Radiat Res. 2019; 191(4):369-79. [Dos]

Hirai Y, Cordova KA, Kodama Y, Hamasaki K, Awa AA, Tomonaga M, Mine M, Cullings HM, Nakamura N. Tooth enamel ESR doses and cytogenetic doses of Nagasaki atomic-bomb survivors in comparison with DS02R1 doses. Int J Radiat Biol. 2019; 95(3):321-8. [Dos]

Jazic I, Haneuse S, French B, MacGrogran G, Rondeau V. Design and analysis of nested case-control studies for recurrent events subject to a terminal event. Stat Med. 2019; 38(22):4348-62. [La]

Karmakar B, French B, Small DC. Integrating the evidence from evidence factors in observational studies. Biometrika. 2019; 106(2):353-67. [Ci]

Kiuchi Y, Yanagi M, Itakura K, Takahashi I, Hida A, Ohishi W, Furukawa K. Association between radiation, glaucoma subtype, and retinal vessel diameter in atomic bomb survivors. Sci Rep. 2019; 9(1):8642. [Ahs]

Ozasa K, Cullings HM, Ohishi W, Hida A, Grant EJ. Epidemiological studies of atomic bomb radiation at the Radiation Effects Research Foundation. Int J Radiat Biol. 2019; 95(7):879-91. [Lss, Ahs, F1]

Paulbeck C, Griffin K, Lee C, Cullings HM, Egbert S, Funamoto S, Sato T, Endo A, Hertel N,

Bolch W. Dosimetric impact of a new computational voxel phantom series for the Japanese atomic bomb survivors: Pregnant females. Radiat Res. 2019; 192(5):538-61. [Dos]

Sadakane A, French B, Brenner AV, Preston DL, Sugiyama H, Grant EJ, Sakata R, Utada M, Cahoon EK, Mabuchi K, Ozasa K. Radiation and risk of liver, biliary tract, and pancreatic cancers among atomic bomb survivors in Hiroshima and Nagasaki: 1958-2009. Radiat Res. 2019; 192(3):299-310. [Lss]

Sadakane A, Landes RD, Sakata R, Nagano J, Shore RE, Ozasa K. Medical radiation exposure among atomic bomb survivors: Understanding its impact on risk estimates of atomic bomb radiation. Radiat Res. 2019; 191(6):507-17. [Lss]

Sakata R, Preston DL, Brenner AV, Sugiyama H, Grant EJ, Rajaraman P, Sadakane A, Utada M, French B, Cahoon EK, Mabuchi K, Ozasa K. Radiation-related risk of cancers of the upper digestive tract among Japanese atomic bomb survivors. Radiat Res. 2019; 192(3):331-44. [Lss].

Yamada M, Landes RD, Hida A, Ishihara K, Krull KR. Effects of demographic variables on subjective neurocognitive complaints using the Neurocognitive Questionnaire (NCQ) in an aged Japanese population. Int J Environ Res Public Health. 2019; 16(3):421-30. [Ahs].

Yoshida K, French B, Yoshida N, Hida A, Ohishi W, Kusunoki Y. Radiation exposure and longitudinal changes in peripheral monocytes over 50 years: The Adult Health Study of atomic-bomb survivors. Br J Haematol. 2019; 185(1):107-15. [La, Ahs].

2) Meeting Presentations (January 2021 - December 2021):

Ohishi M, Yamamura M, Yanagihara H. A coordinate descent method for Generalized Fused Lasso in logistic regression models. 15th Japanese Joint Statistical Spring Meeting. 13 March 2021, (online).

Misumi M. Radiation risk estimation and statistical methods for the long-term follow-up studies of Japanese atomic bomb survivor cohort. 2021 WNAR Annual Meeting (Virtual). 13-16 June 2021 (online).

Yamamura M, Ohishi M, Yanagihara H. Spatio-temporal adaptive fused lasso for proportion data. Smart Digital Futures 2021. 14-16 June 2021 (online).

Dormal S, Correa C, Paulbeck C, Griffin K, Sato T, Funamoto S, Cullings HM, Egbert SD, Endo A, Hertel N, Lee C, Bolch W. Atomic bomb survivor dosimetry of Nagasaki factory workers. 66th Annual Meeting of the Health Physics Society. 25-29 July 2021, Phoenix, Arizona, USA.

Dormal S, Correa C, Paulbeck C, Griffin K, Sato T, Funamoto S, Cullings HM, Egbert SD, Endo A, Hertel N, Lee C, Bolch W. Fetal and maternal atomic bomb survivor dosimetry using kneeling and lying survivor postures of J45 pregnant female phantoms. 63rd Annual Meeting of the American Association of Physics in Medicine. 25-29 July 2021 (online).

Misumi M. Methods for regression analysis with exposure uncertainty in radiation risk analysis. Japanese Joint Statistical Meeting 2021 (Virtual). 5-9 September 2021 (online).

Taga M, Yoshida K, Kyoizumi S, Kato N, Sasatani M, Suzuki K, Ogawa T, Kusunoki Y. Cytokine expression and genomic damage analyses after in vitro X-irradiation of primary hepatic stellate cells isolated from 1-week-old mice. 64th Annual Meeting of the Japanese Radiation Research Society. 22-24 September 2021, Mito.

Brenner AV, Grant EJ, Sugiyama H, Preston DL, Sakata R, Cologne JB, Utada M, Mabuchi K, Ozasa K. Age at exposure modification of radiation risk in the Life Span Study of Japanese atomic bomb survivors. 67th Annual Meeting of the Radiation Research Society. 3-6 October 2021, San Juan, Puerto Rico.

Paulbeck CJ, Sato T, Funamoto S, Domal S, Correa C, Lee C, Griffin K, Cullings HM, Egbert SD, Endo A, Hertel N, Bolsh WE. Pregnant female computational dosimetry for the atomic bomb survivors of Hiroshima and Nagasaki. 67th Annual Meeting of the Radiation Research Society. 3-6 October 2021, San Juan, Puerto Rico.

Hayashi T, Kato N, Yoshida N, Ohishi W, Omae Y, Tokunaga K. Evaluation of the applicability of blood smear samples to genome-wide association study. 44th Annual Meeting of the Molecular Biology Society of Japan. 1-3 December 2021, Yokohama.

Sposto R. Overview of Clinical Trials. Invited Class. 3-4 December 2021, Biostatistics Center, Kurume University, Kurume