

X and γ Radiation

References to Supplementary Web Tables, Section 2

- Andrieu N, Easton DF, Chang-Claude J *et al.* (2006). Effect of chest X-rays on the risk of breast cancer among BRCA1/2 mutation carriers in the international BRCA1/2 carrier cohort study: a report from the EMBRACE, GENEPSO, GEO-HEBON, and IBCCS Collaborators' Group. *J Clin Oncol*, 24:3361–3366.[doi:10.1200/JCO.2005.03.3126](https://doi.org/10.1200/JCO.2005.03.3126) PMID:16801631
- Bernstein JL, Teraoka SN, John EM *et al.* (2006). The CHEK2*1100delC allelic variant and risk of breast cancer: screening results from the Breast Cancer Family Registry. *Cancer Epidemiol Biomarkers Prev*, 15:348–352.[doi:10.1158/1055-9965.EPI-05-0557](https://doi.org/10.1158/1055-9965.EPI-05-0557) PMID:16492927
- Boffetta P, Mannetje A, Zaridze D *et al.* (2005). Occupational X-ray examinations and lung cancer risk. *Int J Cancer*, 115:263–267.[doi:10.1002/ijc.20854](https://doi.org/10.1002/ijc.20854) PMID:15688400
- Damber L, Johansson L, Johansson R, Larsson L-G (2002). Thyroid cancer after X-ray treatment of benign disorders of the cervical spine in adults. *Acta Oncol*, 41:25–28.[doi:10.1080/028418602317314028](https://doi.org/10.1080/028418602317314028) PMID:11990513
- Hatcher JL, Baris D, Olshan AF *et al.* (2001). Diagnostic radiation and the risk of multiple myeloma (United States). *Cancer Causes Control*, 12:755–761.[doi:10.1023/A:1011205908596](https://doi.org/10.1023/A:1011205908596) PMID:11562116
- Hung RJ, Boffetta P, Canzian F *et al.* (2006). Sequence variants in cell cycle control pathway, X-ray exposure, and lung cancer risk: a multicenter case-control study in Central Europe. *Cancer Res*, 66:8280–8286.[doi:10.1158/0008-5472.CAN-05-3099](https://doi.org/10.1158/0008-5472.CAN-05-3099) PMID:16912209
- Infante-Rivard C (2003). Diagnostic x rays, DNA repair genes and childhood acute lymphoblastic leukemia. *Health Phys*, 85:60–64.[doi:10.1097/00004032-200307000-00012](https://doi.org/10.1097/00004032-200307000-00012) PMID:12852472
- Krestinina LY, Preston DL, Ostroumova EV *et al.* (2005). Protracted radiation exposure and cancer mortality in the Techa River Cohort. *Radiat Res*, 164:602–611.[doi:10.1667/RR3452.1](https://doi.org/10.1667/RR3452.1) PMID:16238437
- Langner I, Blettner M, Gundestrup M *et al.* (2004). Cosmic radiation and cancer mortality among airline pilots: results from a European cohort study (ESCAPE). *Radiat Environ Biophys*, 42:247–256.[doi:10.1007/s00411-003-0214-7](https://doi.org/10.1007/s00411-003-0214-7) PMID:14648170
- Mohan AK, Hauptmann M, Freedman DM *et al.* (2003). Cancer and other causes of mortality among radiologic technologists in the United States. *Int J Cancer*, 103:259–267.[doi:10.1002/ijc.10811](https://doi.org/10.1002/ijc.10811) PMID:12455042
- Myles P, Evans S, Lophatananon A *et al.* (2008). Diagnostic radiation procedures and risk of prostate cancer. *Br J Cancer*, 98:1852–1856.[doi:10.1038/sj.bjc.6604370](https://doi.org/10.1038/sj.bjc.6604370) PMID:18506189
- Rajaraman P, Sigurdson AJ, Doody MM *et al.* (2006). Lung cancer risk among US radiologic technologists, 1983–1998. *Int J Cancer*, 119:2481–2486.[doi:10.1002/ijc.22148](https://doi.org/10.1002/ijc.22148) PMID:16858679
- Ronckers CM, Sigurdson AJ, Stovall M *et al.* (2006). Thyroid cancer in childhood cancer survivors: a detailed evaluation of radiation dose response and its modifiers. *Radiat Res*, 166:618–628.[doi:10.1667/RR3605.1](https://doi.org/10.1667/RR3605.1) PMID:17007558
- Rubino C, Shamsaldin A, Lê MG *et al.* (2005). Radiation dose and risk of soft tissue and bone sarcoma after breast cancer treatment. *Breast Cancer Res Treat*, 89:277–288.[doi:10.1007/s10549-004-2472-8](https://doi.org/10.1007/s10549-004-2472-8) PMID:15754127
- Stålberg K, Haglund B, Axelsson O *et al.* (2007). Prenatal X-ray exposure and childhood brain tumours: a population-based case-control study on tumour subtypes. *Br J Cancer*, 97:1583–1587.[doi:10.1038/sj.bjc.6604046](https://doi.org/10.1038/sj.bjc.6604046) PMID:17971773

- Travis LB, Fosså SD, Schonfeld SJ *et al.* (2005). Second cancers among 40,576 testicular cancer patients: focus on long-term survivors. *J Natl Cancer Inst*, 97:1354–1365. [doi:10.1093/jnci/dji278](https://doi.org/10.1093/jnci/dji278) [PMID:16174857](https://pubmed.ncbi.nlm.nih.gov/16174857/)
- Bauer S, Gusev BI, Pivina LM *et al.* (2005). Radiation exposure due to local fallout from Soviet atmospheric nuclear weapons testing in Kazakhstan: solid cancer mortality in the Semipalatinsk historical cohort, 1960–1999. *Radiat Res*, 164:409–419. [doi:10.1667/RR3423.1](https://doi.org/10.1667/RR3423.1) [PMID:16187743](https://pubmed.ncbi.nlm.nih.gov/16187743/)
- Bithell JF, Stewart AM (1975). Pre-natal irradiation and childhood malignancy: a review of British data from the Oxford Survey. *Br J Cancer*, 31:271–287. [PMID:1156514](https://pubmed.ncbi.nlm.nih.gov/1156514/)
- Cardis E, Vrijheid M, Blettner M *et al.* (2007). The 15-Country Collaborative Study of Cancer Risk among Radiation Workers in the Nuclear Industry: estimates of radiation-related cancer risks. *Radiat Res*, 167:396–416. [doi:10.1667/RR0553.1](https://doi.org/10.1667/RR0553.1) [PMID:17388693](https://pubmed.ncbi.nlm.nih.gov/17388693/)
- Carr ZA, Kleinerman RA, Stovall M *et al.* (2002). Malignant neoplasms after radiation therapy for peptic ulcer. *Radiat Res*, 157:668–677. [doi:10.1667/0033-7587\(2002\)157\[0668:MNARTF\]2.0.CO;2](https://doi.org/10.1667/0033-7587(2002)157[0668:MNARTF]2.0.CO;2) [PMID:12005546](https://pubmed.ncbi.nlm.nih.gov/12005546/)
- Gilbert ES, Koshurnikova NA, Sokolnikov ME *et al.* (2004). Lung cancer in Mayak workers. *Radiat Res*, 162:505–516. [doi:10.1667/RR3259](https://doi.org/10.1667/RR3259) [PMID:15624305](https://pubmed.ncbi.nlm.nih.gov/15624305/)
- Gilbert ES, Stovall M, Gospodarowicz M *et al.* (2003). Lung cancer after treatment for Hodgkin's disease: focus on radiation effects. *Radiat Res*, 159:161–173. [doi:10.1667/0033-7587\(2003\)159\[0161:LCATFH\]2.0.CO;2](https://doi.org/10.1667/0033-7587(2003)159[0161:LCATFH]2.0.CO;2) [PMID:12537521](https://pubmed.ncbi.nlm.nih.gov/12537521/)
- Guibout C, Adjadj E, Rubino C *et al.* (2005). Malignant breast tumors after radiotherapy for a first cancer during childhood. *J Clin Oncol*, 23:197–204. [doi:10.1200/JCO.2005.06.225](https://doi.org/10.1200/JCO.2005.06.225) [PMID:15625374](https://pubmed.ncbi.nlm.nih.gov/15625374/)
- Hwang SL, Hwang JS, Yang YT *et al.* (2008). Estimates of relative risks for cancers in a population after prolonged low-dose-rate radiation exposure: a follow-up assessment from 1983 to 2005. *Radiat Res*, 170:143–148. [doi:10.1667/RR0732.1](https://doi.org/10.1667/RR0732.1) [PMID:18666807](https://pubmed.ncbi.nlm.nih.gov/18666807/)
- Kesminiene A, Evrard AS, Ivanov VK *et al.* (2008). Risk of hematological malignancies among Chernobyl liquidators. *Radiat Res*, 170:721–735. [doi:10.1667/RR1231.1](https://doi.org/10.1667/RR1231.1) [PMID:19138033](https://pubmed.ncbi.nlm.nih.gov/19138033/)
- Krestinina LY, Davis F, Ostroumova E *et al.* (2007). Solid cancer incidence and low-dose-rate radiation exposures in the Techa River cohort: 1956–2002. *Int J Epidemiol*, 36:1038–1046. [doi:10.1093/ije/dym121](https://doi.org/10.1093/ije/dym121) [PMID:17768163](https://pubmed.ncbi.nlm.nih.gov/17768163/)
- Matanoski GM, Tonascia JA, Correa-Villaseñor A *et al.* (2008). Cancer risks and low-level radiation in U.S. shipyard workers. *J Radiat Res (Tokyo)*, 49:83–91. [doi:10.1269/jrr.06082](https://doi.org/10.1269/jrr.06082) [PMID:17690532](https://pubmed.ncbi.nlm.nih.gov/17690532/)
- Millikan RC, Player JS, Decotret AR *et al.* (2005). Polymorphisms in DNA repair genes, medical exposure to ionizing radiation, and breast cancer risk. *Cancer Epidemiol Biomarkers Prev*, 14:2326–2334. [doi:10.1158/1055-9965.EPI-05-0186](https://doi.org/10.1158/1055-9965.EPI-05-0186) [PMID:16214912](https://pubmed.ncbi.nlm.nih.gov/16214912/)
- Muirhead CR, O'Hagan JA, Haylock RG *et al.* (2009). Mortality and cancer incidence following occupational radiation exposure: third analysis of the National Registry for Radiation Workers. *Br J Cancer*, 100:206–212. [doi:10.1038/sj.bjc.6604825](https://doi.org/10.1038/sj.bjc.6604825) [PMID:19127272](https://pubmed.ncbi.nlm.nih.gov/19127272/)
- Nair RR, Rajan B, Akiba S *et al.* (2009). Background radiation and cancer incidence in Kerala, India-Karanagappally cohort study. *Health Phys*, 96:55–66. [doi:10.1097/01.HP.0000327646.54923.11](https://doi.org/10.1097/01.HP.0000327646.54923.11) [PMID:19066487](https://pubmed.ncbi.nlm.nih.gov/19066487/)
- Neglia JP, Robison LL, Stovall M *et al.* (2006). New primary neoplasms of the central nervous system in survivors of childhood cancer: a report from the Childhood Cancer Survivor Study. *J Natl Cancer Inst*, 98:1528–1537. [doi:10.1093/jnci/djj411](https://doi.org/10.1093/jnci/djj411) [PMID:17077355](https://pubmed.ncbi.nlm.nih.gov/17077355/)
- Ostroumova E, Gagnière B, Laurier D *et al.* (2006). Risk analysis of leukaemia incidence among people living along the Techa River: a nested case-control study. *J Radiol Prot*, 26:17–32. [doi:10.1088/0952-4746/26/1/001](https://doi.org/10.1088/0952-4746/26/1/001) [PMID:16522942](https://pubmed.ncbi.nlm.nih.gov/16522942/)

- Ostroumova E, Preston DL, Ron E *et al.* (2008). Breast cancer incidence following low-dose rate environmental exposure: Techa River Cohort, 1956–2004. *Br J Cancer*, 99:1940–1945.[doi:10.1038/sj.bjc.6604775](https://doi.org/10.1038/sj.bjc.6604775) PMID:19002173
- Preston DL, Cullings H, Suyama A *et al.* (2008). Solid cancer incidence in atomic bomb survivors exposed in utero or as young children. *J Natl Cancer Inst*, 100:428–436.[doi:10.1093/jnci/djn045](https://doi.org/10.1093/jnci/djn045) PMID:18334707
- Preston DL, Pierce DA, Shimizu Y *et al.* (2004). Effect of recent changes in atomic bomb survivor dosimetry on cancer mortality risk estimates. *Radiat Res*, 162:377–389.[doi:10.1667/RR3232](https://doi.org/10.1667/RR3232) PMID:15447045
- Preston DL, Ron E, Tokuoka S *et al.* (2007). Solid cancer incidence in atomic bomb survivors: 1958–1998. *Radiat Res*, 168:1–64.[doi:10.1667/RR0763.1](https://doi.org/10.1667/RR0763.1) PMID:17722996
- Richardson DB, Wing S (2007). Leukemia mortality among workers at the Savannah River Site. *Am J Epidemiol*, 166:1015–1022.[doi:10.1093/aje/kwm176](https://doi.org/10.1093/aje/kwm176) PMID:17660455
- Romanenko AY, Finch SC, Hatch M *et al.* (2008). The Ukrainian-American study of leukemia and related disorders among Chernobyl cleanup workers from Ukraine: III. Radiation risks. *Radiat Res*, 170:711–720.[doi:10.1667/RR1404.1](https://doi.org/10.1667/RR1404.1) PMID:19138038
- Ronckers CM, Doody MM, Lonstein JE *et al.* (2008). Multiple diagnostic X-rays for spine deformities and risk of breast cancer. *Cancer Epidemiol Biomarkers Prev*, 17:605–613.[doi:10.1158/1055-9965.EPI-07-2628](https://doi.org/10.1158/1055-9965.EPI-07-2628) PMID:18349278
- Sadetzki S, Chetrit A, Freedman L *et al.* (2005). Long-term follow-up for brain tumor development after childhood exposure to ionizing radiation for tinea capitis. *Radiat Res*, 163:424–432.[doi:10.1667/RR3329](https://doi.org/10.1667/RR3329) PMID:15799699
- Schubauer-Berigan MK, Daniels RD, Fleming DA *et al.* (2007). Risk of chronic myeloid and acute leukemia mortality after exposure to ionizing radiation among workers at four U.S. nuclear weapons facilities and a nuclear naval shipyard. *Radiat Res*, 167:222–232. [doi:10.1667/RR0724.1](https://doi.org/10.1667/RR0724.1) PMID:17390730
- Shilnikova NS, Preston DL, Ron E *et al.* (2003). Cancer mortality risk among workers at the Mayak nuclear complex. *Radiat Res*, 159:787–798.[doi:10.1667/0033-7587\(2003\)159\[0787:CMRAWA\]2.0.CO;2](https://doi.org/10.1667/0033-7587(2003)159[0787:CMRAWA]2.0.CO;2) PMID:12751962
- Shore RE, Moseson M, Harley N, Pasternack BS (2003). Tumors and other diseases following childhood x-ray treatment for ringworm of the scalp (Tinea capitis). *Health Phys*, 85:404–408.[doi:10.1097/00004032-200310000-00003](https://doi.org/10.1097/00004032-200310000-00003) PMID:13678280
- Shore RE, Moseson M, Xue X *et al.* (2002). Skin cancer after X-ray treatment for scalp ringworm. *Radiat Res*, 157:410–418.[doi:10.1667/0033-7587\(2002\)157\[0410:SCAXRT\]2.0.CO;2](https://doi.org/10.1667/0033-7587(2002)157[0410:SCAXRT]2.0.CO;2) PMID:11893243
- Travis LB, Andersson M, Gospodarowicz M *et al.* (2000). Treatment-associated leukemia following testicular cancer. *J Natl Cancer Inst*, 92:1165–1171.[doi:10.1093/jnci/92.14.1165](https://doi.org/10.1093/jnci/92.14.1165) PMID:10904090
- Travis LB, Hill DA, Dores GM *et al.* (2003). Breast cancer following radiotherapy and chemotherapy among young women with Hodgkin disease. *JAMA*, 290:465–475.[doi:10.1001/jama.290.4.465](https://doi.org/10.1001/jama.290.4.465) PMID:12876089
- van Leeuwen FE, Klokman WJ, Stovall M *et al.* (2003). Roles of radiation dose, chemotherapy, and hormonal factors in breast cancer following Hodgkin's disease. *J Natl Cancer Inst*, 95:971–980.[doi:10.1093/jnci/95.13.971](https://doi.org/10.1093/jnci/95.13.971) PMID:12837833
- Yiin JH, Silver SR, Daniels RD *et al.* (2007). A nested case-control study of lung cancer risk and ionizing radiation exposure at the portsmouth naval shipyard. *Radiat Res*, 168:341–348.[doi:10.1667/RR0843.1](https://doi.org/10.1667/RR0843.1) PMID:17705634