Grantee: International Agency for Research on Cancer (IARC)
Principal Investigator: Elisabeth Cardis, Ph.D.

Follow-up work from NIOSH Grant # 5 R01 CC015763-03
Reconstruction of Doses for Chernobyl Liquidators
Two case-control studies were conducted among Chernobyl liquidators in Belarus, Estonia, Latvia, Lithuania and Russia. The study objective was to estimate the risk of developing leukemia/non-Hodgkin lymphoma and thyroid cancer from protracted exposure to low-to-medium (0-500 mSv) radiation dosage. To obtain a copy of the final report, visit the NIOSH website (http://www.cdc.gov/niosh/2001-133.html) or call (513) 841-4400. For a copy of the publication, please refer to the citation below. For further information on this study, please contact Dr. Elisabeth Cardis by email (cardis@iarc.fr) or by telephone in France, +33 (4) 72-73-85-08.


Grantee: University of Southern California
Principal Investigator: Daniel O. Stram, Ph.D.

Follow-up work from NIOSH Grant # R01 CCR11869-06
Measurement Error Methods for Underground Miner Studies
This study developed statistical methods for radiation exposure measurement errors and uncertainty when exposures are extended over time. These methods were applied to a reanalysis of exposure-time-response (including dose-rate effects) for lung cancer mortality in the Colorado Plateau Uranium Miners Cohort Study. To obtain a copy of the final report, visit the NIOSH website (http://www.cdc.gov/niosh/2001-133.html) or call (513) 841-4400. For copies of the publications, please refer to the citations below. For further information on this study, please contact Dr. Stram by email (stram@rcf.usc.edu) or telephone (323) 442-1817.


Grantee: New York University
Principal Investigator: Xiaonan Xue, Ph.D.

Follow-up work from NIOSH Grant # 1R01 CCR215746
Correcting for Measurement Errors in Radiation Exposure
This research developed methods for correcting radiation exposure measurement errors, including both systematic errors, particularly the error due to minimum detection levels of the dosimeters, and random errors. A joint model for measurement errors and dose-response relationships was developed for more precise and accurate risk assessments. The methods for modeling and correcting measurement errors developed from this research will apply to ongoing and future worker radiation studies and analysis of other environmental exposure data. To obtain a copy of the final performance report, visit the NIOSH website (http://www.cdc.gov/niosh/2001-133.html) or call (513) 841-4400. For a copy of the publication, please refer to the citation below. For further information on this study, please contact Dr. Xiaonan (Nan) Xue by email (xxue@aecom.yu.edu) or telephone (718) 430-2431. Dr. Xue currently works at the Albert Einstein College of Medicine.


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