

RESUMÉ

Donald A. Pierce

Born: Oklahoma USA, 19 October, 1939 (U.S. Citizen)

HIGHER EDUCATION

University of Oklahoma	Engineering
Oklahoma State University	BS 1961, Engineering
Oklahoma State University	MS 1963, Operations Research
Oklahoma State University	PhD 1965, Statistics
Johns Hopkins University	Postdoc 1966, Operations Research

EMPLOYMENT

1966-96	Statistics Department, Oregon State University
1966-69	Assistant Professor
1970-77	Associate Professor
1971-72	Acting Chairman
1977-96	Professor
1996-pres.	Professor Emeritus
1970-71	Visiting Lecturer, Statistics, University of Kent, England
1971	Visiting Scholar, Statistics, University of London
1979-80	Visiting Professor, Statistics, Stanford University
1981-83	U.S. National Academy of Sciences: Visiting Scientist, Epidemiology and Statistics, Radiation Effects Research Foundation, Hiroshima
1986-88	U.S. National Academy of Sciences: Chief, Department of Statistics, Radiation Effects Research Foundation, Hiroshima
1992-2000	U.S. National Academy of Sciences: Senior Scientist, Statistics and Epidemiology, Radiation Effects Research Foundation, Hiroshima
2000-2004	U.S. National Academy of Sciences: Research Advisor, Radiation Effects Research Foundation, Hiroshima
2005-pres.	Adjunct Professor, Div. of Biostatistics, Dept. of Public Health & Preventive Medicine, Oregon Health & Sciences University, Portland, Oregon

SELECTED PROFESSIONAL ACTIVITIES/HONORS

1978-82	Editorial Board Member, Communications in Statistics
1979	Council Member, American Statistical Association
1978, 80, 84	Member, NIH Special Study Sections for Statistics Proposals
1979-85	Associate Editor, Annals of Statistics

1979	Elected Fellow, Institute of Mathematical Statistics
1981	Elected Fellow, American Statistical Association
1982-90	Associate Editor, Journal of the American Statistical Association
1984	Elected Member, International Statistical Institute
1984-2006	Editor, Oxford University Press Statistical Science Series
1985-87	Member, National Academy of Sciences Committee on Effects of Ionizing Radiation (BEIR IV)
1987-89	Member, Board of Directors, American Statistical Association
1988	Chairman, Committee on Fellows, Institute of Mathematical Statistics
1990	Member, NCI Advisory Committee, Report on Cancer in Populations Living near Nuclear Facilities
1990-91	Member, National Academy of Sciences Committee on Occupational Health Effects of Ionizing Radiation among U.S. Nuclear Utility Workers
1991	Member, EPA Science Advisory Board Subcommittee on Non-ionizing Radiation: Electric and Magnetic Fields
1991-pres	Associate Editor, <i>Biometrika</i>
1998-2004	Member, ICRP Task Group on Low-Dose Effects of Ionizing Radiation
1999-2008	Member, Editorial Board, Radiation and Environmental Biophysics

PUBLICATIONS of Donald A. Pierce

Pierce, D. A. and Bellio, R. (2009). Improving on first-order asymptotics in Cox regression (Submitted).

Pierce, D. A., Vaeth, M. and Cologne, J. B. (2008). Allowance for random dose-estimation errors in atomic-bomb survivor studies: A revision. *Radiation Research* **170**, 118-126

Pierce, D. A., Vaeth, M. and Shimizu, Y. (2007). Selection bias in cancer risk estimation from A-bomb survivors. *Radiation Reserch* **167**, 735-741.

Pierce, D.A. and Bellio, R. (2006). Effects of the reference set on frequentist inferences. *Biometrika*, **93**, 425-38.

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Asakawa, J., Kuick, R., Kodiara, M., Nakamura, N., Katayama, H., Pierce, D. A., et al. (2004a). A genome scanning approach to assess the genetic effects of radiation in mice and humans. *Radiation Research* **161**, 380-390.

Pierce, D.A. (2003a). Commentary: Mechanistic models for radiation carcinogenesis and the atomic bomb survivor data. *Radiation Research* **160**, 718-723. [Response and reply letters: V. **161**, 369-371].

Preston, D.L., Shimizu, Y., Pierce, D.A., Suyama, A. and Mabuchi, K. (2003b). Studies of mortality of atomic bomb survivors, Report 13: Solid cancer and noncancer mortality 1950 –1997. *Radiation Research* **160**, 381-407.

Preston, D.L., Pierce, D.A., Shimizu, Y., Ron, E., and Mabuchi, K. (2003c). Dose response and temporal patterns of radiation-associated solid cancer risks. *Health Physics* **85**, 43-46.

Pierce, D.A., Sharp, G.B. and Mabuchi, K. (2003d). Joint effects of radiation and smoking on lung cancer risk among atomic bomb survivors. *Radiation Research* **159**, 511-520.

Pierce, D.A. and Vaeth, M (2003e). Age-time patterns of cancer to be anticipated from exposure to general mutagens. *Biostatistics* **4**, 231-248.

Pierce, D.A. (2002). Age-time patterns of radiogenic cancer risk: their nature and likely explanations. *Journal of Radiological Protection* **22**, A147-A154.

Pierce, D.A. and Preston, D.L. (2000a). Radiation-related cancer risks at low doses among atomic bomb survivors. *Radiation Research* **154**, 178-186.

Chomentowski, M., Kellerer, A.M. and Pierce, D.A. (2000b). Radiation dose dependencies in the A-bomb survivor cancer mortality data. *Radiation Research* **153**, 289-294.

Pierce, D.A. and Mendelsohn, M.L. (1999a). A model for radiation-related cancer suggested by the atomic-bomb survivor data. *Radiation Research* **152** , 642-654.

Pierce, D.A. (1999b). On the relation between frequency inference and likelihood. Invited paper, *Proceedings of the 52nd Session of the International Statistical Institute, Helsinki*.

Preston, D.L., Shimizu, Y., Pierce, D.A., Mabuchi, K. (1999c). Cancer and noncancer risks in atomic bomb survivors: Recent results. *Eleventh International Congress of Radiation Research* (eds Moriarty, M. *et al*). Dublin: International Association for Radiation Research.

Shimizu, Y., Pierce, D.A., Preston, D.L. and Mabuchi, K. (1999d). Studies of the mortality of atomic-bomb survivors. Report 12, Part 2. Non-Cancer Mortality: 1950-1990. *Radiation Research* **152** , 374-389.

Pierce, D.A. and Peters, D. (1999e). Improving on Exact Tests by Approximate Conditioning. *Biometrika* **86** 265-280.

Pierce, D.A. (1998a). Exponential Families. In *Encyclopedia of Biostatistics* (Eds. Armitage and Colton). John Wiley & Sons, New York.

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Mendelsohn, M.L. and Pierce, D.A (1998c). Biomarkers and mechanisms of human radiation carcinogenesis. In *Biomarkers: Medical and Workplace Applications* (Eds. Mendelsohn, Mohr, Peeters) 337-344. Joseph Henry Press, Washington DC.

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Preston, D.L., Mabuchi, K., Pierce, D.A., Shimizu, Y. (1997a). Mortality among atomic-bomb survivors, 1950-1990. Invited paper, *Proceedings of the Thirty-Second Annual Meeting of the National Council on Radiation Protection and Measurements, National Council on Radiation Protection and Measurements* (Ed. Boice), 31-39, NCRP, Washington D.C.

Pierce, D.A. and Preston, D.L. (1997b). Commentary on "No evidence for increased tumor rates below 200 mSv in the atomic bomb survivors data". *Radiat. Environ. Biophys.* **36**, 209-211.

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- Pierce, D.A. (1973c). On some difficulties in a frequency theory of inference. *Ann. of Statist.* **1**, 241-250.
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