

BIOGRAPHICAL SKETCH

NAME	TITLE
John Stephen Evans	Senior Lecturer in Environmental Science and Co-Director of the Program in Environmental Science and Risk Management

EDUCATION

INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
University of Michigan	B.S.E.	1969	Industrial Engineering
University of Michigan	M.S.	1971	Water Resources Management
Harvard University	S.M.	1977	Environmental Health Sciences
Harvard University	S.D.	1980	Environmental Health Sciences

Experience

1972-1976	Bioenvironmental Engineer, USAF, Pease AFB, NH
1982-1983	Fellow, Advisory Committee on Reactor Safeguards, US Nuclear Regulatory Commission, Washington, DC
1983-1986	Assistant Professor, Environmental Science and Physiology, Harvard School of Public Health, Boston, MA
1986-1995	Associate Professor, Environmental Science and Physiology, Harvard School of Public Health, Boston, MA
1987-1996	Director, Program in Environmental Health and Public Policy, Harvard School of Public Health, Boston, MA
1990-1994	Deputy Director, Harvard Center for Risk Analysis, Harvard School of Public Health, Boston, MA
1995-Present	Senior Lecturer, Environmental Health, Harvard School of Public Health, Boston, MA
1996-Present	Director, Program in Environmental Science and Risk Management, Harvard School of Public Health, Boston, MA

Honors (Selected)

1978	Leslie Silverman Fellowship
1981	Sigma Xi (Research Honorary)
1982	U.S. Nuclear Regulatory Commission Advisory Committee on Reactor Safeguards Fellowship
1986	Who's Who in Emerging Leaders in the U.S.
1999	Fellow, Society for Risk Analysis

Professional Affiliations (Selected)

1977-1989	Air and Waste Management Association - Member
1985-1989	Air and Waste Management Association - Chairman, Committee on Risk Assessment and Management
1978-1987	Association of Environmental and Resource Economists - Member
1994-1996	<u>Occupational and Environmental Medicine</u> (formerly <u>British Journal of Industrial Medicine</u>) - Member, Editorial Board
1981-Present	Society for Risk Analysis - Charter Member
1988-1989	Society for Risk Analysis - President, New England Chapter
1988-Present	Society for Risk Analysis - Editorial Board, <u>Risk Analysis</u>
1997-Present	US Environmental Protection Agency - Member, Science Advisory Board, Drinking Water Committee
1998-2000	Area Editor, Environmental Health, <u>Risk Analysis</u>
2000-Present	Area Editor, Special Collections, <u>Risk Analysis</u>

Publications (Selected Publications)

- Evans JS and DW Cooper. An inventory of particulate emissions from open sources. J Air Pollution Control Assoc. 1980; 30, 1298-1303.
- Evans JS, Spedden SE and DW Cooper. A study of the relationship between wind speed and total suspended particulate levels. J Air Pollution Control Assoc. 1981; 31, 395-397.
- Evans JS and DW Cooper. The contributions of open sources to ambient TSP levels. J Air Pollution Control Assoc. 1981; 31, 549-566.
- Evans JS, Ozkaynak H and R Wilson. The use of models in public health risk analysis. J Energy Environment. 1982; 1, 1-20.
- Evans JS, Cooper DW and JJ Harrington. Strategies for the optimal control of dust emissions from unpaved roads. J Air Pollution Control Assoc. 1983; 33, 312-317.
- Evans JS and PL Kinney. Costs inherent in the use of suboptimal measures of air quality. J Environ Systems. 1983; 13, 1-19.

- Evans JS and PB Ryan. Statistical uncertainties in aerosol mass concentrations measured by virtual impactors. Aerosol Science and Technology 1983; 2, 531-436.
- Evans JS. Theoretically optimal environmental metrics and their surrogates. J Environ Economics and Management. 1984; 11, 18-27.
- Evans JS, Tosteson TD and PL Kinney. Cross-sectional mortality studies and air pollution risk assessment. Environ International. 1984; 55-83.
- Evans JS, Kinney PL, Koehler JL and DW Cooper. The relationship between cross-sectional and time series studies. J Air Pollution Control Assoc. 1984; 34, 551-553.
- Evans JS, Wennberg J and BJ McNeil. The influence of diagnostic radiography on the incidence of breast cancer and leukemia. New England J Med. 1986; 315, 810-815.
- Finkel AM and JS Evans. Evaluating the benefits of uncertainty reduction in environmental health risk management. J Air Pollution Control Assoc. 1987; 37, 1164-1171.
- Evans JS and NC Hawkins. The distribution of Students' t-statistic for small samples from lognormal exposure distributions. Am Industrial Hygiene Assoc. 1988; 49, 512-515.
- Evans JS, Hawkins NC and JD Graham. The value of monitoring for radon in the home: A decision analysis. J Air Pollution Control Assoc. 1988; 38, 1380-1385.
- Hawkins NC and JS Evans. Subjective estimation of toluene exposures: a study of industrial hygienists. Applied Industrial Hygiene. 1989; 4, 61-68.
- Evans JS and DW Moeller. Radiological health effects models for nuclear power plant accident consequence analysis. Health Physics. 1989; 56, 397-413.
- Reichard EG and JS Evans. Assessing the value of hydrogeologic information for risk-based remedial action decisions. Water Resources Research. 1989; 25, 1451-1460.
- Brosseau LM, Evans JS, MJ Ellenbecker and ML Feldstein. Collection efficiency of respirator filters challenged with monodisperse latex particles. Am Industrial Hygiene Assoc J. 1989; 50, 544-549.
- Brosseau LM, Ellenbecker MJ and JS Evans. Collection of silica and asbestos aerosols by respirators at steady and cyclic flow. Am Industrial Hygiene Assoc J. 1990; 51, 420-426.
- Evans, JS. Radiological health effects models for nuclear power plant accident consequence analysis--an update (1990). Nuclear Technology. 1991; 94, 204-212.
- Smith, AE, Ryan PB and JS Evans. The effect of neglecting correlations when propagating uncertainty. Risk Analysis. 1992; 12, 467-474.
- Evans, JS, Graham JD, GM Gray, A Hollis, B Ryan, A Smith, M Smith, and A Taylor. Summary of workshop to review an OMB report on regulatory risk assessment and management. Risk Issues in Health & Safety. 1992; 3, 71-83.
- Graham JD, Chang G and JS Evans. Poorer is riskier. Risk Analysis. 1992; 12, 333-337.
- Taylor, AC, Evans JS and TE McKone. The value of animal test information in environmental control decisions. Risk Analysis. 1993; 13, 403-412.
- Brosseau, LM, Evans JS and MJ Ellenbecker. An empirical model for estimating the collection efficiency of dust-mist respirators. Annals of Occupational Hygiene. 1993; 37, 135-150.
- Thompson KM and JS Evans. Workers' breath as a source of perchloroethylene in the home. Journal of Exposure Analysis and Environmental Epidemiology, 1993; 3, 417-430.
- Evans JS, Graham JD, Gray GM and RL Sielken. A distributional approach to characterizing low-dose cancer risk. Risk Analysis. 1994; 14, 25-34.
- Evans JS, Gray GM, RL Sielken, AE Smith, Ciriaco Valdez-Flores and JD Graham. Use of probabilistic expert judgement in uncertainty analysis of carcinogenic potency. Regulatory Toxicology and Pharmacology. 1994; 20, 15-36.
- Pope CA, Thun MJ, Namboodiri MM, Dockery DW, Evans JS, Speizer FE and CW Heath. Particulate air pollution as a predictor of mortality in a prospective study of US adults. Journal of Respiratory and Critical Care Medicine. 1995; 151, 669-674.
- Smith AE, Gray GM and JS Evans. The ability of predicted internal dose measures to reconcile tumor bioassay data for chloroform. Regulatory Toxicology and Pharmacology. 1995; 21, 339-351.
- Evans, JS and S Wolff. Modeling of air pollution impacts: one possible explanation of the observed chronic mortality. Chapter 9 in Particles and Our Health, Wilson, R and JD Spengler (Eds.), Harvard University Press, 1996.
- Thompson, KM, and JS Evans. The value of improved national exposure information for perchloroethylene (perc): A case study for dry cleaners. Risk Analysis, 1997; 17, 253-271.
- Baird, SJS, Catalano, PJ, Ryan, LJ, and JS Evans. Evaluation of effect profiles: Functional observational battery outcomes. Fundamental and Applied Toxicology, 1997; 40, 37-51.
- Baird, SJS, and JS Evans. Accounting for missing data in non-cancer risk assessment. Human and Ecological Risk Assessment. 1998; 4, 291-317.
- Brand, KP, Rhomberg, LR and JS Evans. Estimating non-cancer uncertainty factors: Are ratios of NOAELs informative? Risk Analysis. 1999; 19, 295-308.
- Carrothers, TJ and JS Evans. Assessing the effect of differential measurement error on estimates of mortality from fine particles. J Air and Waste Management Assoc. 2000; 50, 65-74.
- Evans, JS, Thompson, KM and D Hattis. Exposure efficiency: Concept and application to perchloroethylene exposure from drycleaners. Journal of the Air and Waste Management Association. Accepted.
- Evans, JS, Wolff, SK, Phonboon, K, Levy, J and K Smith. Exposure efficiency: An idea whose time has come? Atmospheric Environment. Accepted.
- Walker, KD, Evans, JS and D MacIntosh. Use of expert judgment in exposure assessment -- Part I - Characterization of personal exposure to benzene. Journal of the International Society for Exposure Assessment. Submitted.
- Walker, KD, Catalano, P, Hammitt, JK and JS Evans. Use of expert judgment in exposure assessment - Part II - Calibration of expert judgments about personal exposure to benzene. Journal of the International Society for Exposure Assessment. Submitted.