

Judith B. Klotz, MS, DrPH

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EDUCATION

Columbia University	Doctor of Public Health in Environmental Health Sciences	October 1983
University of Michigan	Master of Science in Genetics	May 1970
City College of New York	Bachelor of Science in Biology	June 1968

Since April 2003:

Adjunct Associate Professor
Department of Epidemiology
UMDNJ School of Public Health
Piscataway, NJ

- NJ Comprehensive Cancer Control Plan: County needs assessment, implementation plans, and evaluation committee, in consultation to UMDNJ Newark faculty
- Doctoral committees
- Advisor to medical students' in course on epidemiology and community health

Adjunct Associate Professor
Department of Epidemiology and Statistics
Drexel School of Public Health
Philadelphia, PA

- Instructor of epidemiology and biostatistics for Executive Masters in Public Health program
- Course development for on-line Epidemiology Certification program
- Course development and instructor of Environmental-Occupational Epidemiology for Masters in Public Health program since 2007
- Advisor to case control study of Polycythemia Vera in Northeast Pennsylvania
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Pro Bono

- New Jersey Drinking Water Quality Institute
 - Subcommittees: Health Effects, Radon (co-chair)
- National Academy of Sciences subcommittees
 - Drinking water standards for fluoride: 2003-2006
- Publication of study on gene-environment interaction in pediatric leukemia.
- Reviewer for Environmental Health Perspectives, Human and Ecological Risk Assessment, and other Journals
- Project Advisory Committee on American Waterworks Assoc – EPA study on miscarriage and disinfection byproducts.

Consultations

Centers for Disease Control/Agency for Toxic Substances and Disease Registry, Atlanta, GA:
Peer reviewer of statistical reports on cancer, birth outcomes and toxic wastes.

Board of Health, Borough of Saddle River, NJ

Health hazard evaluation of drinking water contaminants in surface water and ground water

Environmental Public Health Tracking: Advisor to NJ Dept. of Environmental Protection

Szaferman Lakind, Esqs: epidemiologic interpretation of data pertinent to occupational exposures.

Brent Coon, Esqs: epidemiologic interpretation of data pertinent of drinking water exposures.

PREVIOUS RESEARCH AND MANAGEMENT EXPERIENCE

November 1984
to March 2003

Environmental Scientist and Program Manager,
Environmental Health Services and Cancer Surveillance Programs,
New Jersey Department of Health and Senior Services

Supervised surveillance program of cancer incidence for New Jersey. Identified and investigated geographic areas and population characteristics where cancer incidence is elevated in order to delineate causes and promote prevention. Responded to public inquiries regarding cancer patterns and causes. Designed and conducted epidemiologic studies of cancer risk factors.

Designed and conducted epidemiological studies of health effects and exposure to toxic chemicals and radiation. Recipient and Principal Investigator of four-year federal grant to investigate neural tube birth defects and drinking water contamination. Principal Investigator under CDC Cooperative Agreement of epidemiological study of reproductive outcomes and toxic wastes. Recruited and supervised staff in Environmental Health Service. Recommended and implemented state policies and advisories regarding water contamination, hazardous waste, outdoor and indoor air quality, and radiation. Coordinated the Department's actions in addressing naturally-occurring radiation exposures. .

January 1983 to
October 1984

Toxic Substances Consultant for Natural Resources
Defense Council

Critiqued policies and regulatory actions of the Environmental Protection Agency. Conducted risk assessments on hazardous chemicals.

April 1981 to
August 1984

Project Coordinator, Memorial Sloan Kettering
Cancer Center, Epidemiology and Preventive
Medicine Service

Coordinated eleven member staff in nationwide surveillance and epidemiological research program on mortality, cancer incidence, and sickness-absenteeism among oil refinery and allied workers. Planned and implemented data analyses.

September 1979 to
April 1981

Senior Public Health Specialist,
Fred C. Hart Associates, Inc.

Designed health studies and assessed environmental transport and potential health effects at abandoned and active waste sites for state enforcement programs. As member of Field Investigation Team, provided technical assistance to EPA, performed site inspections, field sampling, and toxicological assessments of hazardous waste sites.

July 1979 to
September 1979

Project Manager, Delaware Watershed Survey,
New York City Department of Health,
Bureau of Public Health Engineering

Planned and coordinated environmental survey and quality assurance for largest branch of the New York City water supply system.

July 1975 to
December 1977

Genetic Counseling Associate, National Genetics
Foundation

Designed and prepared educational materials on genetic diseases for professionals, the media, and the public. Referred individuals to diagnostic, counseling, and treatment services.

July 1970 to
August 1978

Research Scientist, New York State Psychiatric
Institute, Department of Medical Genetics

Collected and analyzed data on psychiatric and neurological illnesses, chromosomal disorders, and deafness. Selected and interviewed study subjects. Conducted genetic counseling.

PREVIOUS ACADEMIC and TEACHING EXPERIENCE

Adjunct Associate Professor, Department of Environmental and Community Medicine, Robert Wood Johnson Medical School, University of Medicine and Dentistry, N.J. Guest lecturing, doctoral committees, class section project advisor, fellowship selection committees.

Cornell Medical College: Epidemiology for medical students, 1982-1984

Columbia University: Environmental Science for graduate students of public health, 1981-1982. Guest Lecturer in Environmental Epidemiology, 1981-1992

University of Michigan: Biology and Genetics for undergraduates, 1969-1970

Guest lecturing at Princeton University, Robert Wood Johnson Medical School, New Jersey Institute of Technology, University of Iowa, many others.

PROFESSIONAL SOCIETY MEMBERSHIPS

American Public Health Association

International Society of Environmental Epidemiology: founding member

PREVIOUS COMMITTEE APPOINTMENTS

U.S. Environmental Protection Agency committee on implementation of Toxics Substances Control Act section (8c) on adverse health effect notification.

New Jersey Clean Air Council

New Jersey Noise Council

Interstate Sanitation Commission

Public Health Task Force, New Jersey Department of Health and Senior Services
Institutional Review Board, New Jersey Department of Health and Senior Services;
Research Advisory Committee, Children's Environmental Health Network;
Chair, Comparative Analysis of Incidence Rates Subcommittee, North American Association of
Central Cancer Registries
Data Evaluation and Publication Committee, North American Association of Central Cancer
Registries
Cancer Prevention and Control Advisory Committee: New Jersey Commission on Cancer Research.

MANUSCRIPT REVIEW FOR:

Epidemiology
Environmental Health Perspectives
Health Physics

PUBLICATIONS

Mendlewicz J, **Klotz J**. The children of manic-depressive parents. In: S Sankar (ed), *Mental Health in Children*, Vol. I. PJD Publishers, Westbury 1975.

Baron M, **Klotz J**, Mendlewicz J, Rainer J. Multiple-threshold transmission of affective disorders. *Arch. Gen. Psychiat.* 38: 79-84 1981.

O'Connor J, **Klotz J**, Kneip T. Sources, sinks, and distribution of organic contaminants in the New York Bight ecosystem. In: G Mayer (ed.), *Ecological Stress in the New York Bight: Science and Management*. Estuarine Research Federation, Charleston SC. 1982.

Klotz J. *Cancer Incidence in Petroleum Refinery and Allied Workers*. Doctoral Dissertation, Columbia University School of Public Health. 1983.

Shemen L, **Klotz J**, Schottenfeld D, Strong E. Increase in tongue cancer in young men. *JAMA* 252:1857. 1984.

Klotz J. Estimating Lung Cancer Risks of Indoor Radon: Applications for Prevention. In: *Indoor Radon*. Air Pollution Control Association. Pittsburgh 1986.

Klotz J. Role of the State Department of Health in the Radon Program for New Jersey. In: *Radon and the Environment*. Ramapo College, Mahwah, New Jersey 1987.

Bynum J, **Klotz J**, Klucharich S. The New Jersey Radon Exposure Registry: Rationale and Implementation. In: *Indoor Radon II*, Air Pollution Control Association. Pittsburgh 1987.

Klotz J, Udasin I. Occupational and Environmental Health: Radon. *New Jersey Medicine*, 85: 901-904 1988.

Bynum J, **Klotz J**, Cahill M, Nicholls G. The rationale and experiences in implementing New Jersey's radon program. *Air Pollution Control Association*, Pittsburgh, PA 1988

Klotz J, Petix J, Zaganiski R. Mortality of a residential cohort exposed to radon from contaminated soil.

Amer. J. Epi. 129: 1179-1186 1989.

Schoenberg J, **Klotz J**, Wilcox H, et al. Lung cancer and exposure to radon in women. *MMWR* 38: 715-718 1989.

Fagliano J, **Klotz J**, Kiel D. Using disease registries and vital statistics data in a program of environmental epidemiology. *Proceedings of the 1989 Public Health Conference on Records and Statistics*. National Center for Health Statistics 1989.

Schoenberg J, **Klotz J**, Wilcox H et al. Case-control study of residential radon and lung cancer among New Jersey women. *Cancer Research* 50:6520-6524 1990.

Schoenberg J, **Klotz J**, Wilcox H, Szmaciasz S. A Case-control study of radon and lung cancer among New Jersey women. *Proceedings of the Twenty-ninth Hanford Symposium on Health and the Environment*. F. Cross, ed. 1990.

Klotz J, Freund A, Brownlee J, Zagraniski R. Indoor air pollution: approach of a state department of health. *Proceedings of the Fourth National Environmental Health Conference*. Centers for Disease Control, San Antonio 1991.

Berry M, Lioy P, Gelperin K, Buckler G, **Klotz J**. Accumulated exposure to ozone and measurement of health effects in children and counselors at two summer camps. *Environmental Research* 54: 135-150 1991.

Klotz J, Fagliano J. Population Exposure Profiles: A tool for environmental health priority-setting and program evaluation. Abstract. *Proceedings of Fifth National Environmental Health Conference*. Centers for Disease Control, Atlanta, GA, December 1992.

Klotz J, Schoenberg J, Wilcox H. Relationship among short and long term radon measurements within dwellings: influence of radon concentrations. *Health Physics* 65(4):367-374 1993.

Cohn P, Bove F, **Klotz J**, Berkowitz M, Fagliano J. Drinking water contamination and the incidence of leukemia and non-Hodgkin's lymphoma. *Environ Health Perspec* 102:556-561 1994.

Lubin J, Liang Z, Hrubec Z, Pershagen G, Schoenberg J, Blot W, **Klotz J**, Xu Z-Y, Boice J. Radon exposure in residences and lung cancer among women: combined analysis of three studies. *Cancer Causes and Control*. 5:114-128 1994.

Fagliano J, **Klotz J**. Letter on environmental health leadership. *J. Envir. Health* 56:34. 1994.

Cohn P., Fagliano J, **Klotz J**. Assessing human health effects from chemical contaminants in drinking water. *New Jersey Medicine* 91:719-722 1994.

Cohn P, Bove F, **Klotz J**, Berkowitz M, Fagliano J. Drinking water contamination and the incidence of leukemia and non-Hodgkin's lymphoma. In: *Hazardous Waste and Public Health* Proceedings of the International Congress on the Health Effects of Hazardous Waste, Andrews JS et al., eds. 1994 Princeton Scientific Publ. 1994.

Klotz J. Physical agents: Radon In: *Environmental Medicine: Concepts and Practice* Brooks S, Gochfeld M, Jackson et al., ed. Mosby Publ. Chicago 532-541 1995.

Bove F, Fulcomer M, **Klotz J**, Esmart J, Dufficy E, Savrin J. Public Drinking Water Contamination and Birth Outcomes. *Amer. J. Epi.* 141:850-862 1995.

Cohn P, **Klotz J**, Bove F, Fagliano J. Letter: Drinking water and leukemia. *Environ. Health Perspec.* 103:540-541. 1995.

Klotz J, Pyrch L. Occurrence and Comparison of Disinfection By-products in Population-based Tap Water Samples. In: *The Summary of the Workshop; Disinfection By-products: Critical Issues in Health Effects Research.* ILSI Health and Environmental Sciences Institute Washington DC 1996. (abstract)

Klotz J, Pyrch L, Haltmeier P, Trimbath T, Weisel C. Neural tube defects and chlorination by-products in drinking water. *Abstracts of 8th Annual Conference of the International Society for Environmental Epidemiology.* 1996.

Weisel C, Kim H, Haltmeier P, **Klotz J**. Exposure estimates to disinfection by-products of chlorinated drinking water. *Environmental Health Perspectives* February 107:103-110. 1999.

Kim H, Haltmeier, **Klotz J**, Weisel C. Evaluation of environmental exposures: urinary haloacetic acids associated with ingestion of chlorinated drinking water. *Environmental Research* 80:187-195. 1999.

Klotz J, Pyrch L. Neural tube defects and drinking water disinfection by-products. *Epidemiology* 10: 383-390 1999.

Weinstein R, **Klotz J**. Local cancer excesses and follow-up studies. *J. Registry Management.* 27(98-102) 2000.

Vassilev Z, Robson M, **Klotz J**. Outdoor exposure to airborne polycyclic organic matter and adverse reproductive outcomes: a pilot study. *American Journal of Industrial Medicine.* 40: 255-262. 2001

Vassilev Z, Robson, **Klotz J**. Associations of polycyclic organic matter in outdoor air with decreased birth weight: a pilot cross-sectional analysis. *Journal of Toxicology and Environmental Health* 64:595-605. 2001

Wu X, Chen V, Steele B, Roffers S, **Klotz J**, Correa C. Cancer incidence in adolescents and young adults: a comparison of classification schemes in describing cancer patterns. *Journal of Adolescent Health* 32(6) 405-415 2003.

Begg C, Hummer A, Mujumdar U, Armstrong B, Krickler A, Marrett LD, Millikan R, Gruber S, Anton-Culver H, **Klotz J**, Zanetti R, Gallagher R, Dwyer T, Rebbeck T, Berwick M, GEM Study Group: Familial aggregation of melanoma risks in a large population-based sample of melanoma cases. *Cancer Causes and Control* 15(9) 957-965 2004.

Klotz J, Bryant P, Dillon M, Wolf B, Wilcox H, Cohn P, Fagliano J. Pediatric leukemia, susceptibility genes, and drinking water contaminants. *Epidemiology* 15:4 S138 Abstract 2004

Krewski D, Lubin J, Zielinski J, Alavanja M, Catalan V, Field R, **Klotz J**, Letourneau E, Lynch C, Lyon J, Sandler D, Schoenberg J, Steck D, Stolwijk J, Weinberg C, Wilcox H.. Residential radon and risk of lung cancer. A combined analysis of 7 North American Case-control studies. *Epidemiology* 16:137-145 2005

Klotz J. Meetings with Mentor. *Science* 308(5725) 1112. (letter) May 20, 2005.

Krewski D, Lubin J, Zielinski J, Alavanja M, Catalan V, Field R, **Klotz J**, Letourneau E, Lynch C, Lyon J, Sandler D, Schoenberg J, Steck D, Stolwijk J, Weinberg C, Wilcox H. A combined analysis of North American case-control studies of residential radon and lung cancer. *J. Toxicol Environ Health* 69(7) 533-597. 2006

Field R, Krewski D, Lubin J, Zielinski J, Alavanja M, Catalan V, **Klotz J**, Letourneau E, Lynch C, Lyon J, Sandler D, Schoenberg J, Steck D, Stolwijk J, Weinberg C, Wilcox H. An overview of the North American residential radon and lung cancer case-control studies. *J. Toxicol Environ Health* 69(7) 599-631. 2006

Klotz J, Bryant P, Wilcox H, Cohn P, Dillon M, Wolf B, Fagliano J. Pediatric leukemia and GST polymorphisms examined using newborn blood spots. *Paediatric and Perinatal Epidemiology* 20(5) 449-452 2006.

Wilcox H, Al-Zoughool M, Garner M, Jiang H, **Klotz J**, Krewski D, Nicholson W, Schoenberg J, Zielinski J. Case control study of radon and lung cancer in New Jersey. *Radiation Protection and Dosimetry* July 4, 2007

Cohn P, Skinner R, Burger S, Fagliano J, **Klotz J**. Radium in drinking water and the incidence of osteosarcoma. In preparation. 2007

Klotz, J Book Review of B.L Johnson, *Environmental Policy and Public Health*. *Public Health Reports* 123(1) 95. 2008.

REPORTS

Klotz J, Hall N., Developing Information on Exposure to Environmental Contaminants. In: *Program for Preventing the Cause of Mental Retardation*, New Jersey Governor's Council, 1985.

Klotz J, Zaganiski R, Altman R. *Survey of Health Complaints Near GEMS Landfill*, New Jersey Department of Health 1985.

Klotz J et al. *Policy on Residential Radon Exposure*, New Jersey Department of Health, 1986.

Berry M, **Klotz J.** *Atmospheric Ozone and Health Effects in New Jersey: Assessment and Recommendations for Health Advisories*, New Jersey Department of Health. 1987.

Klotz J, Rizzo J Petix J. *Mortality Experience of a Cohort Exposed to Elevated Levels of Radon from an Industrial Source*, New Jersey Department of Health 1988.

Schoenberg J, **Klotz J.** et al. *Case-Control Study of Radon and Lung Cancer among New Jersey Women. Technical and Summary Reports.* New Jersey State Department of Health, 1989.

Bove F, Fulcomer M, **Klotz J.** et al. *Population-Based Surveillance and Etiological Research of Adverse Reproductive Outcomes*, New Jersey State Department of Health, 1992.

Phase I: Assembling Information on Adverse Reproductive Outcomes.

Phase III: Correlational Analyses of Adverse Reproductive Outcomes and Environmental Pollution.

Phase IVA: Public Drinking Water Contamination and Birthweight, Fetal Deaths, and Birth Defects: A Cross-sectional Study.

Phase IVB: Case-Control Study of Public Drinking Water Systems and Selected Birth Defects and Low Birthweight.

Executive Summary.

Briefing for citizens and media.

Berry M, **Klotz J.** Miller S. *Mesothelioma Incidence and Community Asbestos Exposure* New Jersey Department of Health. 1995

Fagliano J, **Klotz J.** *Population exposure profiles: A framework for selecting and evaluating environmental health interventions.* 1995.

Kohler B, Abe T, **Klotz J.** *Cancer Incidence in New Jersey 1992-1996.* New Jersey Department of Health and Senior Services. 1998.

Roche' L, **Klotz J,** Abe T, Kohler B. *Breast Cancer in New Jersey 1979-1995.* New Jersey Department of Health and Senior Services 1998.

Roche' L, Cahoon C, **Klotz J,** Abe T. *Cancer Incidence by County, New Jersey 1986-1996.* New Jersey Department of Health and Senior Services. 1999

Weinstein R, **Klotz J,** Abe T. *Childhood Cancer in New Jersey 1979-1995.* New Jersey Department of Health and Senior Services 1999

Aloyets N, **Klotz J,** Roche' L et al. *Prostate Cancer in New Jersey 1979-1996.* New Jersey Department of

Health and Senior Services 2000

Weinstein R, Lee Y, **Klotz J** et al. *Cancer Among Hispanics in New Jersey 1990-1996*. New Jersey Department of Health and Senior Services 2000

Klotz J, Burger S, Abe T et al. *Cancer Incidence in New Jersey, 1993-1997*. New Jersey Department of Health and Senior Services. 2000

Burger S, **Klotz J**, Abe T et al. *Cancer Incidence and Mortality in New Jersey 1994-1998*. New Jersey Department of Health and Senior Services. 2000

Hill S, Roche L, **Klotz J** et al. *Colorectal Cancer in New Jersey 1979-1997*. New Jersey Department of Health and Senior Services. 2001

Burger S, **Klotz J**, Weinstein R et al. *Cancer Incidence in New Jersey 1995-1999, Implementation of the Year 2000 Population Standard*. New Jersey Department of Health and Senior Services 2001

Burger S, Agovino P, Weinstein R. **Klotz**, et al. *Cancer Incidence and Mortality among Older Adults in New Jersey*. New Jersey Department of Health and Senior Services 2002

Burger S, Agovino P, **Klotz**, et al. *Cancer Incidence and Mortality in New Jersey, 1996-2000* New Jersey Department of Health and Senior Services 2002

Cohn P, Skinner R, Burger S, Fagliano J, **Klotz J**. *Radium in Drinking Water and Incidence of Osteosarcoma*. New Jersey Department of Health and Senior Services 2003