

## BIOGRAPHICAL SKETCH

NAME  Frank E. Speizer, M.D.	TITLE  Senior Physician, BWH Edward H. Kass Professor of Medicine, HMS
------------------------------------	---

### EDUCATION

INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Stanford University, Palo Alto, CA	A.B.	1957	Biology
Stanford University, Palo Alto, CA	M.D.	1960	Medicine
Harvard University, Boston, MA	A.M.(Hon.)	1989	

### Experience

1960-1961 Internship, USPHS Hospital, Baltimore MD  
 1961-1963 Research Fellow, Department of Physiology, Harvard School of Public Health, Boston, MA  
 1963-1964 Assistant Resident, II and IV Medical Service, Boston City Hospital, Harvard Medical School  
 1964-1965 Senior Resident, Stanford Medical Service, Stanford-Palo Alto Hospital, Palo Alto, CA  
 1965-1966 Chief Resident in Medicine, Stanford Medical Service, Stanford-Palo Alto Hospital, Palo Alto, CA  
 1965-1966 Acting Instructor, Department of Medicine, Stanford Medical School, Palo Alto, CA  
 1966-1968 Research Associate, Medical Research Council of Great Britain, Statistical Research Unit, London, England (Support, USPHS Special Fellowship)  
 1968-1970 Associate in Medicine, Harvard Medical School, Boston, MA.  
 1968-1972 Edward Livingston Trudeau Fellow, American Lung Association  
 1970-1976 Assistant Professor of Medicine, Harvard Medical School, Boston  
 1972-1977 Research Career Development Award, National Institute of Environmental Health Sciences  
 1976-1982 Associate Professor of Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA  
 1979-86 Associate Professor of Epidemiology (Physiology), Harvard School of Public Health, Boston, MA  
 1981- Fellow, American College of Epidemiology  
 1986-98 Head, Environmental Epidemiology Program, Department of Environmental Health, Harvard School of Public Health, Boston, MA  
 1981-88 Associate Director (Clinical Epidemiology), Channing Laboratory, Harvard Medical School, Boston, MA  
 1982-86 Associate Professor of Medicine, Harvard Medical School, Boston, MA  
 6/82-9/82 Burroughs-Welcome, U.S. - Britain Traveling Fellowship  
 1983-1988 National Heart, Lung and Blood Institute, Pulmonary Diseases Advisory Committee  
 1983- Environmental Protection Agency, Subcommittee on Strategic and Long-Term Research Planning  
 1986- Fellow, American College of Chest Physicians  
 1986- Professor of Environmental Sciences, Harvard School of Public Health, Boston, MA  
 1986- Professor of Medicine, Harvard Medical School, Boston, MA  
 1988- Co-Director, Channing Laboratory, Harvard Medical School, Boston, MA  
 1989 Alton Oschner Award on Smoking and Health  
 1992- Member, American Association of Physicians  
 1982- Senior Physician, Department of Medicine, Brigham and Women's Hospital, Boston, MA  
 1993- Edward H. Kass Professor of Medicine, Harvard Medical School, Boston, MA  
 1997 Chadwick Medal, Massachusetts Thoracic Society  
 1998 Abraham Lilienfeld Award, American College of Epidemiology  
 1998 The Medical Foundation Award for Distinguished Contributions to Health Research  
 1999 Health Advocacy Award, Friends of the National Institute of Nursing Research  
 1999 Presidential Citation, American Public Health Association

## Publications (Selected Publications)

- Neas LM, Dockery DW, Burge H, Koutrakis P, Speizer FE. Fungus spores, air pollutants, and other determinants of peak expiratory flow rate in children. *Am J Epidemiol* 1996; 143:797-807.
- Spengler JD, Koutrakis P, Dockery DW, Raizenne M, Speizer FE. Health effects of acid aerosols on North American children: Air pollution exposures. *Env Hlth Perspec* 1996; 104:402-499.
- Raizenne M, Neas LM, Damokosh AI, Dockery DW, Spengler JD, Koutrakis P, Ware JH, Speizer FE. Health effects of acid aerosols on North American children: Pulmonary function. *Environ Hlth Perspec* 1996; 104:506-514.
- Dockery DW, Cunningham J, Damokosh AI, Neas LM, Spengler JD, Koutrakis P, Ware JH, Raizenne M, Speizer FE. Health effects of acid aerosols on North American children: respiratory symptoms. *Environ Hlth Perspec* 1996; 104:500-505.
- Cunningham J, O'Connor GT, Dockery DW, Speizer FE. Environmental tobacco smoke, wheezing, and asthma in children in 24 communities. *Am J Respir Crit Care Med* 1996; 153:218-24.
- Gold DR, Wang X, Wypji D, Speizer FE, Ware JH, Dockery DW. Effects of cigarette smoking on lung function in adolescent boys and girls. *N Engl J Med* 1996; 335:931-37.
- Hanrahan JP, Brown RB, Carey VJ, Castile RG, Speizer FE, Tager IB. Passive respiratory mechanics in health infants. *Am J Respir Crit Care Med* 1996; 154:670-80.
- Cunningham J, Dockery DW, Speizer FE. Race, asthma, and persistent wheeze in Philadelphia schoolchildren. *Am J Pub Hlth* 1996; 86:1406-09.
- Lazarus R, Colditz GA, Berkey CS, Speizer FE. Effects of body fat on ventilatory function in children and adolescents: Cross-sectional findings from a random population sample of school children. *Pediatr Pulmonol* 1997; 24:187-194.
- Cohen AJ, Pope CA, Speizer FE. Ambient air pollution as a risk factor for lung cancer. *Salud Publica Mex* 1997; 39:346-55.
- Korrick SA, Neas LM, Dockery DW, Gold DR, Allen GA, Hill LB, Kimball KD, Rosner BA, Speizer FE. Effects of ozone and other pollutants on the pulmonary function of adult hikers. *Environ Health Perspect* 1998; 106:93-99.
- Silverman EK, Chapman HA, Drazen JM, Weiss ST, Rosner B, Campbell EJ, O'Connell WJ, Reilly JJ, Ginns L, Mentzer S, Wain J, Speizer FE. Genetic epidemiology of severe, early-onset chronic obstructive pulmonary disease: risk to relatives for airflow obstruction and chronic bronchitis. *Am J Respir Crit Care Med* 1998; 157:1770-78.
- Mascola MA, Van Vunakis H, Tager IB, Speizer FE, Hanrahan JP. Tobacco exposure of young infants: importance of breast-feeding among smoking mothers. *Am J Pub Health* 1998; 88:893-96.
- Neas LM, Dockery DW, Koutrakis P, Speizer FE. Fine particles and peak flow in children: acidity versus mass. *Epidemiology* 1999; 10:550-53.