

VITA
C. Arden Pope III

OFFICE ADDRESS

Brigham Young University, 142 FOB
Provo, UT 84602
(801) 422-2157; cap3@byu.edu

HOME ADDRESS

710 North 970 East
Springville, UT 84663
(801) 489-5361

EDUCATION/TRAINING

Institution	Degree	Years	Fields of Study
Harvard University	IPH Fellow	1992/93	Environ. Health & Public Policy
Iowa State University	Ph.D.	1981	Economics/Statistics
Iowa State University	M.S.	1981	Economics
Brigham Young University	B.S.	1978	Ag. Econ/English

EMPLOYMENT HISTORY

1994-present Professor. Economics Department, Brigham Young University.
2009-2012 Associate Dean. College of Family Home and Social Science, Brigham Young University.
1992-1993 Visiting Scientist/Interdisciplinary Program in Health (IPH) Fellow. Environmental Epidemiology Program, Department of Environmental Health, Harvard School of Public Health.
1988-1994 Associate Professor. Economics Department, Brigham Young University.
1984-1988 Assistant (84-86)/Associate Professor (86-88). Agricultural Economics Department Brigham Young University.
1982-1984 Assistant Professor. Department of Agricultural Economics, Texas A & M University.
1980-1982 Research Associate/Staff Economist. Department of Economics, Center for Agricultural and Rural Development, Iowa State University.

SELECTED HONORS & AWARDS

2010 Best Environmental Epidemiology Paper Award (Pope, Ezzati, Dockery. *N Engl J Med.* 2009), International Society for Environmental Epidemiology (ISEE).
2008 Honorary Fellow Award (FCCP, Hon), American College of Chest Physicians.
2008 David Bates Lecture Recipient. Institute for Heart and Lung Health.
2006 Karl G. Maeser Distinguished Faculty Lecturer, Brigham Young University.
2005 Mary Lou Fulton Professorship, College of Family Home and Social Sciences, Brigham Young University.
2004 Utah Governor's Medal for Science & Technology.
2001 Thomas T. Mercer Joint Prize, The American Association for Aerosol Research, and The International Society for Aerosols in Medicine.
2000 *Sigma Xi* Lecturer Award, *Sigma Xi* Scientific Research Society, Brigham Young University Chapter.
1997 Clarence Olds Sappington Memorial Lecturer, American College of Occupational and Environmental Medicine.

- 1995 Karl G. Maeser, Excellence in Research and Creative Arts Award, Brigham Young University.
- 1986 Creative Achievement Award, College of Biology and Agriculture, Brigham Young University.

SELECTED COLLEGE/UNIVERSITY SERVICE

- 2009-2012 Associate Dean, College of Family Home and Social Science
- 2006-2008 University Rank and Status Committee
- 2005 College of Biology and Agriculture, Dean's Search Committee.
- 2004 Neuroscience Center Review Committee.
- 2002/2003 Health Professions Advisement Office Review Committee.
- 1998-2000 College of Family Home and Social Science Rank and Status Committee.
- 1997-2000 University Pre-medical Committee.

SELECTED PROFESSIONAL SERVICE

- 2012-present Editorial Board, American Journal of Respiratory and Critical Care Medicine.
- 2012-present External Scientific Advisory Committee, Great Lakes Air Center for Integrative Environmental Research (GLACIER).
- 2011-present Science Advisory Committee (Chair), Southeastern Center for Air Pollution and Epidemiology.
- 2011-present Science Advisory Committee, University of Washington Center for Air Research
- 2010-present U.S. EPA Science Advisory Board.
- 2009-present U.S. EPA Advisory Council on Clean Air Compliance Analysis (Chair 2010-present).
- 2009-present Editorial Review Board, *Environmental Health Perspectives*.
- 2009-present Executive Advisory Council, American Lung Association in Utah.
- 2008-2011 Research Advisory Committee, Government of Canada's Clean Air Regulatory Agenda (CARA).
- 2006-2010 Scientific Advisory Committee, Harvard University, EPA PM Center.
- 2006-2010 Scientific Advisory Committee, Johns Hopkins University, EPA PM Center.
- 2006-2010 Scientific Advisory Committee, University of Rochester, EPA PM Center.
- 2004-2009 Executive Committee, Thrasher Research Fund.
- 2003-2011 International Scientific Oversight Committee, Health Effects Institute.
- 2002-present Affiliate Scientist, Institute of Population Health, University of Ottawa.
- 2000-2009 Board of Directors, American Lung Association of Utah.
- 2000-2004 Scientific Advisory Committee (Chair), EPA PM Center, Harvard School of Public Health.
- 2000-2004 Scientific Advisory Committee, New York University School of Medicine, EPA PM Center.
- 1998-2004 Editorial Board, *Environmental Health Perspectives*.
- 1998-2004 Scientific Advisory Committee, National Research Center for Environmental Lung Disease, National Jewish Medical and Research Center.
- 1995-1999 Scientific Advisory Panel, Leland National Urban Air Toxics Research Center.

AD HOC REVIEWER/CONSULTANT/RECOMMENDER

Journals:

Aging Clin Exp Res
Air Qual., Atmosphere and Health
Am J Agricultural Economics
Am J Cardiology
Am J Epidemiology
Am J Public Health
Am J Psychiatry
Am J Resp Crit Care Medicine
Annals of Epidemiology
Applied Occupat Environ Hygiene
Archives Environ Contamination and Toxicology
Archives of Internal Medicine
Atmospheric Environment
Biochimica et Biophysica Acta
BMC Cancer
Bulletin of the Am Meteorology Soc
Canadian Med Assoc J
Cancer
Chem Ind Chem Eng Q
Chemical Res in Toxicol.
Chest
Circulation
Clinical Science
Contemp Econ Policy
Coronary Artery Disease
Economic Inquiry
Energy
Environmental Geochemistry and Health
Environmental Health
Environ Health Perspect
(in 2011, one of 12 "Reviewers of the Year")
Environment International
Environ Research
Environ Science & Tech
Environ. Science: Int J Research & Policy
Epidemiology
European Heart J
European Resp J

European J Epidemiology
Heart and Circulatory Physiology
Heart
Hypertension Research
Int J Cardiology
Int J Environ Res Public Health
Int J Epidemiol
Int J Medical Sciences
Inhal Toxicol
J Air & Waste Manag Assoc
J Ag Resource Econ
J Am College Cardiology
J Am Med Assoc (JAMA)
J Cardiac Failure
J Environ Management
J Environ Public Health
J Epidemiol Comm Health
J Expos Anal Environ Epidemiol
J Expos Science Environ Epidemiol
J Hazardous Materials
J Thrombosis and Haemostasis
Lancet
Lung Cancer
Lung Cellular and Molecular Physiology
New England Journal of Med
Occupational and Environ Medicine
Revista Panamericana de Salud Piblica/ Pan Am J Public Health
Perspectives in Public Health
Preventive Medicine
Proceedings of the National Academy of Sciences
Photochem & Photobio
PloS Medicine
Physician Sports Med
Rev Ag Economics
Revista Internacionaonal de Contaminacion Ambiental
Risk Analysis
Science
Science of the Total Environ

Statistics, Politics, and Policy
Thorax

Organizations and other:

American Lung Association
B.C. Health Research Foundation
California Air Resources Board
Department of Health & Human Services
Environment and Health Fund (Israel)
DFG (German Research Foundation)
GSF Institute of Epidemiology
Harcourt/Academic Press
Health Canada
Health Effects Institute
Helmholtz Association
Institute of Medicine
MacArthur Fellows Program
MESA Air
National Institutes of Health
National Jewish
National Research Council (of The National Academies)
South Coast Air Quality Management Dist
Swiss National Science Foundation
Thrasher Research Fund
U.S. EPA
Various Universities including:
Washington, Penn. State, Columbia, Harvard, Hong Kong Faculty of Medicine, U. of British Columbia, USC, Colorado Denver, Johns Hopkins, Yale, Ben Gurion, Queensland Univ. of Technology, Tel Aviv Univ.
World Bank
World Health Organization

PUBLICATIONS

- Pope CA III, Ezzati M, Dockery DW. Fine particulate air pollution and life expectancies in the United States: the role of influential observations. *Journal of the Air & Waste Management Association* 2013;63(2):129-132.
- Correia AW, Pope CA III, Dockery DW, Wang Y, Ezzati M, Dominici F. Effect of air pollution control on life expectancy in the United States: an analysis of 545 U.S. counties for the period from 2000 to 2007. *Epidemiology* 2013;24(1):23-31.
- Lim SS, Vos T, Flaxman AD, Danaei G, Shibuya K, et al (approx. 200 coauthors including Pope CA III). A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* 2012;380:2224-2260.
- Murray CJL, Vos T, Lozano R, Naghavi M, Flaxman AD, Michaud C, Ezzati M, Shibuya K, Salomon J et al (approx. 350 coauthors including Pope CA III). Disability-adjusted life years (DALYs) for 291 causes and injuries in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* 2012;380:2197-2223.
- Vos T, Flaxman AD, Naghavi M, Lozano R, Michaud C, Ezzati M, Shibuya K, Salomon J, et al (approx. 350 coauthors including Pope CA III). Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* 2012;2163-2196.
- Lozano R, Naghavi M, Foreman K, Lim S, Shibuya K, et al (approx. 200 coauthors including Pope CA III). Global and regional mortality from 235 causes of death for 20 age-groups in 1990 and 2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* 2012;380:2095-2128.
- Turner MC, Krewski D, Chen Y, Pope CA III, Gapstur SM, Thun MJ. Radon and non-respiratory mortality in the American Cancer Society Cohort. *American Journal of Epidemiology* 2012;176(9):808-814.
- Van Hee V, Pope CA III. From Olympians to mere mortals: the indiscriminate, global challenges of air pollution (Invited editorial). *American Journal of Respiratory and Critical Care Medicine* 2012;186:1076-1077.
- Pope CA III. Does reducing air pollution improve human health? Evidence from accountability studies. *EM* October 2012 pp 16-21.
- Pope CA III, Ezzati M, Dockery DW. Validity of observational studies in accountability analyses: the case of air pollution and life expectancy. *Air Quality, Atmosphere & Health* 2012;5:231-235.

- van Erp AM, Kelly FJ, Demerjian KL, Pope CA III, Cohen AJ. Progress in research to assess the effectiveness of air quality interventions towards improving public health. *Air Quality, Atmosphere & Health* 2012;5:217-230.
- Sheppard L, Burnett RT, Szpiro AA, Kim SY, Jerrett M, Pope CA III, Brunekreef B. Confounding and exposure measurement error in air pollution epidemiology. *Air Quality, Atmosphere & Health* 2012;5:203-216.
- Turner MC, Krewski D, Chen Y, Pope CA III, Gapstur S, Thun MJ. Radon and COPD mortality in the American Cancer Society cohort. *European Respiratory Journal* 2012;39:1113-1119.
- Crouse DL, Peters PA, van Donkelaar A, Goldberg MS, Villeneuve PJ, Brion O, Khan S, Atari DO, Jerrett M, Pope CA III, Brauer M, Brook JR, Martin RV, Stieb D, Burnett RT. Risk of non-accidental and cardiovascular mortality in relation to long-term exposure to low concentrations of fine particulate matter: a Canadian national-level cohort study. *Environmental Health Perspectives* 2012;120:708-714.
- Turner MC, Krewski D, Pope CA III, Chen Y, Gapstur SM, Thun MJ. Long-term ambient fine particulate matter and lung cancer risk in a large cohort of never smokers. *American Journal of Respiratory and Critical Care Medicine* 2011;184:1374-1381.
- Jerrett M, Burnette RT, Pope CA III, et al. Spatiotemporal analysis of air pollution and mortality in California based on the American Cancer Society Cohort: Final Report. California Air Resources Board. November 2011.
- Bunch TJ, Horne BD, Asirvatham SJ, Day JD, Crandall BG, Weiss JP, Osborn JS, Anderson JL, Muhlestein JB, Lappe DL, Pope CA III. Atrial fibrillation hospitalization is not increased with short-term elevations in exposure to fine particulate air pollution. *PACE: Pacing and Clinical Electrophysiology*. 2011;34:1475-1479.
- Pope CA III, Burnett RT, Turner MC, Cohen A, Krewski D, Jerrett M, Gapster SM, Thun MJ. Lung cancer and cardiovascular disease mortality associated with ambient air pollution and cigarette smoke: shape of the exposure-response relationships. *Environmental Health Perspectives* 2011;119:1616-1621.
- Pope CA III, Hansen JC, Kuprov R, Sanders MD, Anderson MN, Eatough DJ. Vascular function and short-term exposure to fine particulate air pollution. *Journal of the Air & Waste Management Association* 2011;61:858-863.
- Kuprov RY, Buck D, Pope CA III, Eatough DJ, Hansen JC. Design and characterization of a two-stage human subject exposure chamber. *Journal of the Air & Waste Management Association* 2011;61:864-871.

- Turner MC, Krewski D, Chen Y, Pope CA III, Gapstur S, Thun MJ. Radon and lung cancer in the American Cancer Society cohort. *Cancer Epidemiology, Biomarkers & Prevention* 2011;20(3):438-448.
- Pope CA III. Air Quality: Health Effects. In: Oxford Bibliographies Online. Oxford University Press. 28-Feb-2011. <http://www.oxfordbibliographiesonline.com>.
- Pope CA III, Brook RD, Burnett RT, Dockery DW. How is cardiovascular disease mortality risk affected by duration and intensity of fine particulate matter exposure? An integration of the epidemiologic evidence. *Air Quality, Atmosphere & Health* 2011;4:5-14.
- HEI International Scientific Oversight Committee (Speizer F, Anderson HR, Brauer M, Demerjian KL, Hao J, Pande JN, Pope CA III). Outdoor air pollution and health in the developing countries of Asia: a comprehensive review. Special Report 18. Health Effects Institute, Boston, MA. November 2010.
- Pope CA III. Human health effects of particulate matter air pollution: comments on the current state of the science. *EM* September 2010:6-11.
- O'Toole TE, Hellmann J, Wheat L, Haberzettl P, Lee J, Conklin DJ, Bhatnagar A, Pope CA III. Episodic exposure to fine particulate air pollution decreases circulating levels of endothelial progenitor cells. *Circulation Research* 2010;107:200-203.
- Brook RD, Rajagopalan S, Pope CA III, Brook JR, Bhatnagar A, Diez-Rouze A, Holguin F, Hong U, Luepker RV, Mittleman M, Peters A, Siscovick D, Smith SC, Whitsel L, Kaufman JD. Particulate matter air pollution and cardiovascular disease: an update to the scientific statement from the American Heart Association. *Circulation* 2010;121:2331-2378.
- Smith KR, Jerrett M, Anderson HR, Burnett RT, Stone V, Derwent R, Atkinson RW, Cohen A, Shonkoff SB, Krewski D, Pope CA III, Thurston G, Thun MJ. Impacts on public health of strategies to reduce greenhouse gas emissions: the shorter-lived greenhouse pollutants. *Lancet* 2009; 374:2091-2103.
- Zeft AS, Prahalad S, Lefevre S, Clifford B, McNally B, Bohnsack JF, Pope CA III. Juvenile idiopathic arthritis and exposure to fine particulate matter air pollution. *Clinical and Experimental Rheumatology* 2009;27(5):877-884.
- Pope CA III, Burnett RT, Krewski D, Jerrett M, Shi Y, Calle EE, Thun MJ. Cardiovascular mortality and exposure to airborne fine particulate matter and cigarette smoke: shape of the exposure-response relationship. *Circulation*. 2009;120:941-948.
- Pope CA III. The expanding role of air pollution in cardiovascular disease: does air pollution contribute to risk of deep vein thrombosis? *Circulation*. 2009;119:3050-3052.

- Lux RL, Pope CA III. Air pollution effects on ventricular repolarization. *HEI Research Report* 141. Health Effects Institute, Boston MA. 2009.
- Krewski D, Jerrett M, Burnett RT, Ma R, Hughes E, Shi Y, Turner MC, Pope CA III, Thurston G, Calle EE, Thun MJ. Extended follow-up and spatial analysis of the American Cancer Society Study linking particulate air pollution and mortality. *HEI Research Report* 140, Health Effects Institute, Boston MA. 2009.
- Jerrett M, Burnett RT, Pope CA III, Ito K, Thurston G, Krewski D, Shi YL, Calle E, Thun M. Long-term ozone exposure and mortality. *New England Journal of Medicine* 2009;360:1085-1095.
- Pope CA III, Ezzati M, Dockery DW. Air pollution and life expectancy reply (Authors' reply letter to letters of Drs. Bubb and Lipfert). *New England Journal of Medicine*. 2009;360:2033-2034.
- Pope CA III, Ezzati M, Dockery DW. Fine-particulate air pollution and life expectancy in the United States. *New England Journal of Medicine* 2009;360:376-386.
- Thurston GD, Bekkedal MYV, Roberts EM, Ito K, Pope CA III, Glenn BS, Ozkaynak H, Utell MJ. Use of health information in air pollution health research: past successes and emerging needs. *Journal of Exposure Science and Environmental Epidemiology*. 2009;19:45-58.
- Pope CA III, Renlund DG, Kfoury AG, May HT, Horne BD. Relation of heart failure hospitalization to exposure to fine particulate air pollution. *The American Journal of Cardiology* 2008;102:1230-1234.
- Pope CA III, McNeill D. Particulate air pollution in Utah: challenges and opportunities. In: 2008 Economic Report to the Governor. State of Utah. 2008.
- Jerrett M, Newbold KB, Burnett RT, Thurston G, Lall R, Pope CA III, Ma R, DeLuca P, Thun M, Calle J, Krewski D. Geographies of uncertainty in the health benefits of air quality improvements. *Stochastic Environmental Research and Risk Assessment* 2007;21(5):511-522.
- Pope CA III. Mortality effects of longer-term exposures to fine particulate air pollution: review of recent epidemiological evidence. *Inhalation Toxicology* 2007;19(Suppl. 1):33-38.
- Pope CA III, Burnett RT. Confounding in air pollution epidemiology: the broader context. *Epidemiology* 2007;18:424-426.
- Pope CA III, Rodermund DL, Gee MM. Smelters and mortality: Pope et al. respond (Authors' reply to letter of TM Hidy). *Environmental Health Perspectives* 2007;115:A441-A442.

- Pope CA III. Mortality from copper smelter emissions: Pope responds (Authors' reply to letter of TJ Grahame). *Environmental Health Perspectives* 2007;115:A439-A440.
- Pope CA III, Rodermund DL, Gee MM. Mortality effects of a copper smelter strike and reduced ambient sulfate particulate matter air pollution. *Environmental Health Perspectives* 2007;115:679-683.
- Pope CA III, Muhlestein JB, May HT, Renlund DG, Anderson JL, Horne BD. Ischemic heart disease events triggered by short-term exposure to fine particulate air pollution. *Circulation* 2006;114:2443-2448.
- Chow JC, Watson JG, Mauderly JL, Costa DL, Wyzga RE, Vedal S, Hidy G, Altshuler SL, Marrack D, Heuss JM, Wolff GT, Pope CA III, Dockery DW. Critical Review Discussion, Critical Review–Health effects of fine particulate air pollution: Lines that connect. *Journal of the Air & Waste Management Association* 2006;56:1368-1380.
- Pope CA III, Dockery DW. A Summary of the 2006 Critical Review–Health effects of fine particulate air pollution: Lines that connect. *EM* 2006(June):30-35.
- Pope CA III, Dockery DW. 2006 Critical Review–Health effects of fine particulate air pollution: Lines that connect. *Journal of the Air & Waste Management Association* 2006;56:709-742.
- Jerrett M, Burnett RT, Ma R, Pope CA III, Krewski D, Newbold KB, Thurston G, Shi Y, Finkelstein N, Calle EE, Thun MJ. Spatial analysis of air pollution and mortality in Los Angeles. *Epidemiology* 2005;16:727-736.
- Krewski D, Burnett R, Jerrett M, Pope CA III, Rainham D, Calle E, Thurston G, Thun M. Mortality and long-term exposure to ambient air pollution: ongoing analysis based on the American Cancer Society cohort. *Journal of Toxicology and Environmental Health, Part A*, 2005;68:1093-1109.
- Cohen AJ, Anderson HR, Ostro B, Pandey KD, Krzyzanowski M, Kunzli N, Gutschmidt K, Pope CA III, Romieu I, Samet JM, Smith K. The global burden of disease due to outdoor air pollution. *Journal of Toxicology and Environmental Health Part A*, 2005;68:1-7.
- Pope CA III. Air pollution. In: *Coronary Heart Disease Epidemiology: From Aetiology to Public Health* 2nd edition, Eds. Marmot MG, Elliott P. Oxford University Press, 2005, pp 480-494.
- Cohen AJ, Anderson HR, Ostro B, Pandey KD, Krzyzanowski M, Kunzli N, Gutschmidt K, Pope CA III, Romieu I, Samet JM, Smith K. Urban Air Pollution. In: Ezzati M, Lopez AD, Rodgers A, Murray CJL (Eds). *Comparative Quantification of Health Risks: Global and Regional Burden of Disease Attributable to Selected Major Risk Factors*. Geneva: World Health Organization, 2004, pp 1353-1433.

- Pope CA III. Air pollution and health: good news and bad. *New England Journal of Medicine* 351(2004):1132-1134.
- Pope CA III. Biomass burning and its effects on health. *Jornal Brasileiro de Pneumologia* (Journal of the Brazilian Society of Pneumology) 2004;30:193.
- HEI International Scientific Oversight Committee (Anderson HR, Atkinson R, Chen B, Cohen A, Greenbaum D, Hedley AJ, Huang W, Pande JN, Pope CA, Smith KR). Health Effects of Outdoor Air Pollution in Developing Countries of Asia: A literature Review. Special Report 15. Health Effects Institute, Boston MA. April 2004.
- Pope CA III, Hansen ML, Long RW, Nielsen KR, Eatough NL, Wilson WE, Eatough DJ. Ambient particulate air pollution, heart rate variability, and blood markers of inflammation in a panel of elderly subjects. *Environmental Health Perspectives* 2004;112:339-345.
- Pope CA III, Burnett RT, Thurston GD, Thun MJ, Calle EE, Krewski D, Godleski JJ. Cardiovascular mortality and long-term exposure to particulate air pollution: epidemiological evidence of general pathophysiological pathways of disease. *Circulation* 2004;109:71-77.
- Pope CA III. Review of Robert Phalen's book, The particulate air pollution controversy: a case study and lessons learned. *International Journal of Epidemiology* 2003;32:890.
- Samet JM, Pope CA III. Epidemiologic research needs for particulate air pollution. *Journal of Toxicology and Environmental Health, Part A* 2003;66:1873-1876.
- Cakmak S, Burnett RT, Jerrett M, Goldberg MS, Pope CA III, Ma R, Gultekin T, Thun MJ, Krewski D. Spatial regression models for large-cohort studies linking community air pollution and health. *Journal of Toxicology and Environmental Health, Part A* 2003;66:1811-1823.
- Long RW, Eatough NL, Mangelson NF, Thompson W, Fiet K, Smith S, Smith R, Eatough DJ, Pope CA III, Wilson WE. The measurement of PM_{2.5} including semi-volatile components, in the EMPACT program: results from the Salt Lake City study. *Atmospheric Environment* 2003;37:4407-4417.
- Pope CA III, Burnett RT, Thurston GD. Pollution-related mortality and educational level (Authors' reply to letter of MM Finkelstein). *Journal of the American Medical Association* 2002;288:830.
- Peters A, Pope CA III. Cardiopulmonary mortality and air pollution. *Lancet* 2002;360:1184-1185.

- Pope CA III, Burnett RT, Thun MJ, Calle EE, Krewski D, Ito K, Thurston GD. Lung cancer, cardiopulmonary mortality and long-term exposure to fine particulate air pollution. *Journal of the American Medical Association* 2002;287:1132-1141.
- Long RW, Smith R, Smith S, Eatough NL, Mangelson NF, Eatough DJ, Pope CA III, Wilson WE. Sources of fine particulate material along the Wasatch front. *Energy & Fuels* 2002;16:282-293.
- Pope CA III. Particulate air pollution, C-reactive protein, and cardiac risk. *European Heart Journal* 2001;22:1149-1150.
- Pope CA III, Eatough DJ, Gold DR, Pang Y, Nielsen KR, Nath P, Verrier RL, Kanner RE. Acute exposure to environmental tobacco smoke and heart rate variability. *Environmental Health Perspectives* 2001;109:711-716.
- Burnett R, Ma R, Jarrett M, Goldberg MS, Cakmak S, Pope CA III, Krewski D. The spatial association between community air pollution and mortality: a new method of analyzing correlated geographical cohort data. *Environmental Health Perspectives* 109, 2001(suppl 3):375-380.
- Peled R, Bibi H, Pope CA III, Shiachi R, Scharff S. Differences in lung function among school children in communities in Israel. *Archives of Environmental Health* 2001;56(1):89-95.
- Pope CA III. What do epidemiologic findings tell us about health effects of environmental aerosols? *Journal of Aerosols in Medicine* 2000;13(4):335-354.
- Arbex MA, Böhm GM, Saldiva PHN, Conceicao GMS, Pope CA III, Braga ALF. Assessment of the effects of sugar cane plantation burning on the daily counts of inhalation therapy. *Journal of Air and Waste Management Association* 2000;50:1745-1749.
- Pope CA III. Epidemiological evidence of relationship between particle exposure and cardiovascular outcomes. In: Relationships between acute and chronic effects of air pollution Eds. Bates DV, Brain JD, Driscoll KE, Dungworth DL, Grafstrom RC, Harris CC, Heyder J, Koren HS, Mauderly JL, Pauluhn J, Samet JM, Utell MJ. ILSI Press, Washington, D.C., 2000, 115-128.
- Pope CA III. Invited commentary: particulate matter-mortality exposure-response relationships and threshold. *American Journal of Epidemiology* 2000;152:407-412.
- Pope CA III. Epidemiology of fine particulate air pollution and human health: biological mechanisms and who's at risk? *Environmental Health Perspectives* 2000;108(suppl 4):713-723.
- Dockery DW, Pope CA III, Speizer FE, Thun MJ. Comments on the reanalysis project. In: Reanalysis of the Harvard Six-Cities Study and the American Cancer society Study of

- Particulate Air Pollution and Mortality. *Health Effects Institute*, July 2000. Also published in *Journal of Toxicology and Environmental Health* 2003;66:1689-1696.
- Dockery DW, Pope CA III, Speizer FE. Effects of particulate air pollution exposures. In: Particle-Lung Interactions Eds. Gehr P, Heyder J. Marcel Dekker, Inc., New York, NY, 2000, 671-703.
- Pope CA III. Epidemiological basis for particulate air pollution health standards. *Aerosol Science and Technology* 2000;32:4-14.
- Pope CA III. Epidemiology of Particulate Air Pollution: exploiting observable exposure variability. *Journal of Environmental Medicine* 1999;1:297-305.
- Pope CA III, Verrier RL, Lovett EG, Larson AC, Raizenne ME, Kanner RE, Schwartz J, Villegas GM, Gold DR, Dockery DW. Heart rate variability associated with particulate air pollution. *American Heart Journal* 1999;138:890-899.
- Lin CA, Martins MA, Farhat SC, Pope CA III, Conceição GM, Anastácio VM, Hatanaka M, Andrade WC, Hamaue WR, Böhm GM, Saldiva PHN. Air pollution and respiratory illness of children in Sao Paulo, Brazil. *Paediatric and Perinatal Epidemiology* 1999;13:475-88.
- Pope CA III. Mortality and air pollution: associations persist with continued advances in research methodology. *Environmental Health Perspectives* 1999;107:613-614.
- Pope CA III, Hill RW, Villegas GM. Particulate air pollution and daily mortality on Utah's Wasatch front. *Environmental Health Perspectives* 1999;107:567-573.
- Pope CA III, Dockery DW. Epidemiology of particle effects. In: Air Pollution and Health Eds. Holgate ST, Samet JM, Koren HS, Maynard RL. Academic Press, London, 1999, 673-705.
- Dockery DW, Pope CA III, Kanner RE, Villegas GM, Schwartz J. Daily changes in oxygen saturation and pulse rate associated with particulate air pollution and barometric pressure. Health Effects Institute. Research Report Number 83, January 1999: 1-19.
- Pope CA III, Dockery DW, Kanner RE, Villegas GM, Schwartz J. Oxygen saturation, pulse rate, and particulate air pollution: a daily time-series panel study. *American Journal of Respiratory and Critical Care Medicine* 1999;159:365-372.
- Gold DR, Damokosh AI, Pope CA III, Dockery DW, McDonnell WF, Serrano P, Retama A, Castillejos M. Particulate and ozone pollutant effects on the respiratory function of children in southwest Mexico City. *Epidemiology* 1999;10:8-16.

- Hoek G, Dockery DW, Pope CA III, Neas L, Roemer W, Brunekreef B. Association between PM10 and decrements in peak expiratory flow rates in children: reanalysis of data from five panel studies. *European Respiratory Journal* 1998;11:1307-1311.
- Lippmann M, Bachmann JD, Bates DV, Cassee FR, Van Bree L, Driscoll KE, Phalen RF, Pope CA III, Soderholm SC, Wilson WE. Report of the particulate matter research strategies workshop, Park City, Utah, April 29-30, 1996. *Applied Occupational and Environmental Hygiene* 1998;13:485-493.
- Pope CA III. Epidemiology investigations of the health effects of particulate air pollution: strengths and limitations. *Applied Occupational and Environmental Hygiene* 1998;13:356-363.
- Souza MB, Saldiva PHN, Pope CA III, Capelozzi VL. Respiratory changes due to long-term exposure to urban levels of air pollution: a histopathologic study in humans. *Chest* 1998;113:1312-1318.
- Nuntavarn Vichit-Vadakan, Wichia Aekplakorn, Adit Laixuthai, Somkiet Wongtim, C. Arden Pope III, Nipapun Kungskulmiti, Sukanda Plungsuchon, Vatcharaporn Suriyabhivadh, Sirichai Pongwichai, Suwat Benjapornpituk, Wathana Wongsehiartirat, Palawut Srisomboon, Paipun Phitayanon. The Health Effects of Pm10 on School Children in Bangkok. *Journal of Paediatrics and Child Health*. 1997;33 (suppl 1)
- Cohen AJ, Pope CA III, Speizer FE. Ambient air pollution as a risk factor for lung cancer. *Salud Pública De México* 1997;39:346-355.
- Dockery, DW, Pope CA III. Outdoor air I: Particulates. In: Topics in Environmental Epidemiology Eds. Steenland K, and Savitz DA. Oxford University Press, 1997, 119-166.
- Pope CA III, Schwartz J. Time series for the analysis of pulmonary health data. *American Journal of Respiratory and Critical Care Medicine* 1996;154:S229-S233.
- Pope CA III, Dockery DW. Epidemiology of chronic health effects: cross-sectional studies. In: Particles in Our Air: Concentrations and Health Effects Eds. Wilson R, Spengler JD. Harvard University Press, 1996, 149-167.
- Dockery DW, Pope CA III. Epidemiology of acute health effects: summary of time-series studies. In: Particles in Our Air: Concentrations and Health Effects Eds. Wilson R, Spengler JD. Harvard University Press, 1996, 123-147.
- Pope CA III. Adverse health effects of air pollutants in a nonsmoking population. *Toxicology* 1996;111:149-155.

- Wietlisbach V, Pope CA III, Ackermann-Liebrich U. Air pollution and daily mortality in three Swiss urban areas. *Sozial- and Praventivmedizin* 1996;41:107-115.
- Pope CA III, Kalkstein LS. Synoptic weather modeling and estimates of the exposure-response relationship between daily mortality and particulate air pollution. *Environmental Health Perspectives* 1996;104:414-420.
- Pope CA III. Particulate pollution and health: a review of the Utah Valley experience. *The Journal of Exposure Analysis and Environmental Epidemiology* 1996;6:23-34.
- Pope CA III. Combustion-source particulate air pollution and human health: causal associations or confounding? In: Particulate Matter: Health and Regulatory Issues, VIP 49. A&WMA, Pittsburgh, PA, 1995, 60-77.
- Cohen AJ, Pope CA III. Lung cancer and air pollution. *Environmental Health Perspectives* 1995;103:suppl. 8, 219-224.
- Ransom MR, Pope CA III. Estimating external health costs of a steel mill. *Contemporary Economic Policy* 1995;13:86-97.
- Dockery DW, Schwartz J, Pope CA III. Comments from original investigators. In: Particulate Air Pollution and Daily Mortality: Replication and Validation of Selected Studies, The Phase I Report of the Particle Epidemiology Evaluation Project. Health Effects Institute, April 1995.
- Saldiva PHN, Pope CA III, Schwartz J, Dockery DW, Lichtenfels AJ, Salge JM, Barone I, Böhm GM. Air pollution and mortality in elderly people: a time series study in Sao Paulo, Brazil. *Archives of Environmental Health* 1995;50:159-163.
- Pope CA III. Particulate air pollution and human health: assessment of the epidemiology. *Inhalation Toxicology* 1995;7:749-752.
- Pope CA III, Bates DV, Raizenne ME. Health effects of particulate air pollution: time for reassessment? *Environmental Health Perspectives* 1995;103:472-480.
- Pope CA III, Thun MJ, Namboodiri MM, Dockery DW, Evans JS, Speizer FE, Heath CW Jr. Particulate air pollution as a predictor of mortality in a prospective study of U.S. adults. *American Journal of Respiratory and Critical Care Medicine* 1995;151:669-674.
- Pope CA III, Dockery DW, Schwartz J. Review of epidemiological evidence of health effects of particulate air pollution. *Inhalation Toxicology* 1995;7:1-18.
- Perry GM, Pope CA III. Environmental polarization and the use of old-growth forests in the Pacific Northwest. *Journal of Environmental Management* 1995;44:385-397.

- Beckett WS, Pope CA III, Xu X, Christiani DC. Women's respiratory health in the cotton textile industry: an analysis of work-related respiratory symptoms in 973 non-smoking female workers. *Occupational and Environmental Medicine*. 1994;51:14-18.
- Dockery DW, Pope CA III. Acute respiratory effects of particulate air pollution. Annual Review of Public Health Ed. Omenn GS. Annual Reviews: Palo Alto, California. 1994, 15:107-32.
- Dockery DW, Pope CA III. Authors' reply to letter of S.H. Moolgavkar. *The New England Journal of Medicine* 1994;330:1238.
- Dockery DW, Pope CA III, Xu X, Spengler JD, Ware JH, Fay ME, Ferris BG Jr, Speizer FE. An association between air pollution and mortality in six U.S. cities. *The New England Journal of Medicine* 1993;329:1753-59.
- Pope CA III, Xu X. Passive cigarette smoke, coal heating, and respiratory symptoms of non-smoking women in China. *Environmental Health Perspectives* 1993;101:314-316.
- Pope CA III, Kanner RE. Acute effects of PM10 pollution on pulmonary function of smokers with mild to moderate COPD. *American Review of Respiratory Disease* 1993;147:1336-1340.
- Ransom MR, Pope CA III. Elementary school absences and PM10 pollution in Utah Valley. *Environmental Research* 1992;58:204-219.
- Pope CA III, Dockery DW. Acute health effects of PM10 pollution on symptomatic and asymptomatic children. *American Review of Respiratory Disease* 1992;145:1123-1128.
- Pope CA III, Schwartz J, Ransom MR. Daily mortality and PM10 Pollution in Utah Valley. *Archives of Environmental Health* 1992;47:211-217.
- Pope CA III. Health effects of particulate air pollution: an annotated bibliography. Prepared under contract for The Department of National Health and Welfare, Canada, Contract No. 3237, Project No. K281225, May 1992.
- Pope CA III. Review of literature on the health effects of particulate air pollution. Prepared under contract for The Department of National Health and Welfare, Canada, Contract No. 3237, Project No. K281225, May 1992.
- Pope CA III, Dockery DW, Spengler JD, Raizenne ME. Respiratory health and PM10 pollution: a daily time series analysis. *American Review of Respiratory Disease* 1991;144:668-674.
- Pope CA III. Respiratory hospital admissions associated with PM10 pollution in Utah, Salt Lake, and Cache Valleys. *Archives of Environmental Health* 1991;46:90-97.

- Pope CA III, Jones JW. Value of wilderness designation in Utah. *Journal of Environmental Management* 1990;30:157-174.
- Godfrey BE, Pope CA III. The case for removing livestock from public lands. In Current Issues in Rangeland Resource Economics. Oregon State University Extension Service, Special Report, 852/February 1990.
- Pope CA III. Respiratory disease associated with community air pollution and a steel mill, Utah Valley. *American Journal of Public Health* 1989;79:623-628.
- Pope CA III, Perry GM. Individual versus social discount rates in allocating depletable natural resources over time. *Economics Letters* 1989;29:257-264.
- Pope CA III, Miner FD. Valuation of improved air quality in Utah County, USA. *Environmental Management* 1988;12:381-389.
- Pope CA III. Romance of rangeland resource management. *Rangelands* 10(1988):168-171.
- Jensen FE, Pope CA III. The changing structure of American agriculture and implications for research in agribusiness firms. *Agribusiness* 1987;3:139-150.
- Pope CA III. Agricultural productive and consumptive use components of rural land values in Texas: Reply. *American Journal of Agricultural Economics* 1987;69:179-181.
- Pope CA III. More than economics influences allocation of rangeland resources: reply to Dean Kleckner. *Choices* First Quarter, 1988, p. 45.
- Pope CA III. More than economics influences allocation of rangeland resources. *Choices* Fourth Quarter, 1987, 24-25. (Also republished in *High Country News*, June 6, 1988).
- Pope CA III, Jones JW. Non-market valuation of wilderness designation in Utah. TRR:87-1. Agricultural Economics Department, Ezra Taft Benson Food and Agricultural Institute, College of Biology and Agriculture, Brigham Young University, Provo, Utah. May 1987.
- Wagstaff FJ, Pope CA III. Finding the appropriate forage value for analyzing the feasibility of public range improvements. Research Paper INT-378. U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Ogden, Utah. May 1987.
- Pope CA III, Wagstaff FJ. An economic evaluation of the Oak Creek Range Management Area, Utah. General technical report INT-224. U.S. Department of Agriculture, Forest Service, Intermountain Research Station, Ogden, Utah. March 1987.
- Pope CA III, Wagstaff FJ. Economics of the Oak Creek Range Management Project. *Journal of Environmental Management* 1987;25:157-165.

- Miner FD, Pope CA III. Willingness to pay for improved air quality in Utah County. TRR:86-1. Agricultural Economics Department, Ezra Taft Benson Food and Agricultural Institute, College of Biology and Agriculture, Brigham Young University, Provo, Utah, September 1986.
- Abegunawardana P, Pope CA III. Impacts of price and yield variation on profitability of management plans of subsistence farmers in Sri Lanka. *Agricultural Administration* 1986;22:197-204.
- Wanjaiya JK, Pope CA III. Alternative income and protein sources for rural communities: prospects for the rabbit in East Africa. *The Journal of Applied Rabbit Research* 1985;8:19-22.
- Pope CA III. Agricultural productive and consumptive use components of rural land values in Texas. *American Journal of Agricultural Economics* 1985;67:81-86.
- Pope CA III, Stoll JR. The market value of ingress rights for white-tailed deer hunting in Texas. *Southern Journal of Agricultural Economics* 1985;17:177-182.
- Pope CA III, Shumway CR. Management of intensive forage beef production under yield uncertainty. *Southern Journal of Agricultural Economics* 1984;16:37-43.
- Vining KC, Pope CA III, Dugas WA. Usefulness of weather information to Texas agricultural producers. *Bulletin of the American Meteorological Society* 1984;65:1316-1319.
- Vining KC, Pope CA III, Dugas WA. Timeliness, effectiveness, and value of weather information to Texas farmers. Departmental Information Report No. 84-2, Department of Agricultural Economics, Texas A & M University, College Station, Texas, 1984.
- Pope CA III, Goodwin HL Jr. Impacts of consumptive demand on rural land values. *American Journal of Agricultural Economics* 1984;66:750-754.
- Pope CA III, McBryde GL. Optimal stocking of rangeland for livestock production within a dynamic framework. *Western Journal of Agricultural Economics* 1984;9:160-169.
- Karp L, Pope CA III. Range management under uncertainty. *American Journal of Agricultural Economics* 1984;66:437-446.
- Pope CA III, Goodwin HL. Socio-economic motivations for purchasing rural land in Texas. *Journal of the American Society of Farm Managers and Rural Appraisers* 1984;48:37-40.
- Thomas JK, Adams CE, Pope CA III. White-tail deer hunting in Texas: socioeconomic factors affecting access to land. Departmental Technical Report No. 84-1, Department of Rural Sociology, Texas A & M University, College Station, Texas, 1984.

- Pope CA III, Adams CE, Thomas JK. The recreational and aesthetic value of wildlife in Texas. *Journal of Leisure Research* 1984;16:51-60.
- Pope CA III, Goodwin HL, Albrecht DE. Romance value of range and forest land. *Rangelands* 1984;6:161-162.
- Pope CA III, Goodwin HL. Determinants of rural land values in Texas. Departmental Information Report No. 83-3, Department of Agricultural Economics, Texas A & M University, College Station, Texas, 1983.
- Pope CA III, Heady EO. The economics of feeding corn silage vs. corn grain to beef steers as affected by interest rates, liquidity preference, and opportunity cost of capital. *Agricultural Systems* 1983;10:65-74.
- Pope CA III, Heady EO. Corn grain-silage substitution in feeding steer calves. *Livestock Response Functions*, Ed. Heady EO, Bhide S. Iowa State University Press, Ames, Iowa, 1983, 234-250.
- Pope CA III, Adams CE, Thomas JK, The economic value of wildlife resources in Texas. DIR 83-1 SP-2, Departmental Information Report, Department of Agricultural Economics, Texas A & M University, College Station, Texas, 1983.
- Krog, DR, Bhide S, Pope CA III, Heady EO. Effects of livestock enterprises on the economics of soil and water conservation practices in Iowa. CARD Report 112, The Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa, March 1983.
- Banks TM, Bhide S, Pope CA III, Heady EO. Effects of tenure arrangements, capital constraints, and farm size on the economics of soil and water conservation practices in Iowa. CARD Report 111, The Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa, April 1983.
- Pope CA III, Bhide S, Heady EO. The economics of soil and water conservation practices in Iowa: results and discussion. CARD Report 109, The Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa, February 1983.
- Pope CA III, Bhide S, Heady EO. The economics of soil conservation: an optimal control theory approach. *North Central Journal of Agricultural Economics* 1983;5:83-89.
- Pope CA III, Bhide S, Heady EO. The economics of conservation tillage in Iowa. *Journal of Soil and Water Conservation* 1983;38: 370-373.
- Pope CA III, Heady EO. The effects of technological progress and weather on corn belt crop yields. CARD Report 113T, The Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa, October 1982.

Bhide S, Pope CA III, Heady EO. A dynamic analysis of economics of soil conservation: an application of optimal control theory. CARD Report 110. The Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa, August 1982.

Pope CA III, Bhide S, Heady EO. The economics of soil and water conservation practices in Iowa: model and data documentation. CARD Report 108, The Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa, August 1982.

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