

## C. Arden Pope, III

*Curriculum Vitae (revised January 16, 2024)*

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### OFFICE ADDRESS

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### HOME ADDRESS

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Springville, UT 84663  
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### EDUCATION/TRAINING

Institution	Degrees/ Post-Doctoral	Years	Fields of Study
Harvard University	IPH Fellow	1992/93	Environ Health & Public Policy
Iowa State University	PhD	1981	Economics/Statistics
Iowa State University	MS	1981	Economics
Brigham Young University	BS	1978	Ag Econ/English

### EMPLOYMENT HISTORY

- 2005-present College/University Professor, Brigham Young University, including:  
Mary Lou Fulton Professor (2005), Karl G. Maeser Distinguished University  
Professor (2006), University Professor (2022).
- 2009-2012 Associate Dean. College of FHSS, Brigham Young University.
- 1992-1993 Visiting Scientist/Interdisciplinary Program in Health (IPH) Fellow. Department  
of Environmental Health, Harvard School of Public Health.
- 1984-present Professor of Economics. Brigham Young University (Assistant 84-86, Associate  
86-94, Full 94+). Agriculture Economics (84-88) and Economics (88+)
- 1982-1984 Assistant Professor 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.

### HONORS & AWARDS

- 2022 University Professorship Award, Brigham Young University
- 2020 Sponsored Research Recognition Award, Brigham Young University.
- 2018-2023 Clarivate Web of Science, Highly Cited Researcher,  
Cross-Field (2018-2020, 2023) and Environment and Ecology (2021-2022).
- 2018 Physicians Choice Award. Utah Physicians for a Healthy Environment.
- 2017 Martin B. Hickman Outstanding Scholar, CFHSS, Brigham Young University.
- 2014 Utah Academy of Sciences, Arts, and Letters, Gardner Prize.
- 2010 International Society for Environmental Epidemiology, Best Environmental  
Epidemiology Paper Award (Pope, Ezzati, Dockery. *N Engl J Med.* 2009).
- 2008 American College of Chest Physicians, Honorary Fellow Award (FCCP, Hon).
- 2008 Institute for Heart and Lung Health, David Bates Lecture Recipient.
- 2008 Earth Stewardship Award, Utah Valley Sierra Forum.
- 2006 Karl G. Maeser Distinguished Faculty Lecturer.
- 2005 Mary Lou Fulton Professorship, College of FHSS, Brigham Young University

- 2004 Utah Governor's Medal for Science & Technology.
- 2001 American Association for Aerosol Research, and International Society for Aerosols in Medicine, Thomas T. Mercer Joint Prize.
- 2000 *Sigma Xi* Lecturer Award, *Sigma Xi* Scientific Research Society, Brigham Young University Chapter.
- 1997 American College of Occupational and Environmental Medicine, Clarence Olds Sappington Memorial Lecturer.
- 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.

**PROFESSIONAL/ACADEMIC SERVICE**

- 2016-2021 Science Advisory Committee (Chair), Yale/Johns Hopkins University Solutions for Energy, Air, Climate, and Health Center (SEARCH).
- 2012- Editorial Review Board, American Journal of Respiratory and Critical Care Medicine (AJRCCM).
- 2012-2015 Scientific Advisory Committee, Great Lakes Air Center for Integrative Environmental Research (GLACIER).
- 2011-2015 Science Advisory Committee (Chair), Southeastern Center for Air Pollution and Epidemiology.
- 2011-2015 Science Advisory Committee, University of Washington Center for Air Research
- 2010-2013 U.S. EPA Science Advisory Board.
- 2009-2013 U.S. EPA Advisory Council on Clean Air Compliance Analysis (Chair 2011-13).
- 2009- Editorial Review Board, *Environmental Health Perspectives*.
- 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.
- 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*.
- 1998-2002 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 JOURNAL REVIEWER

*Aerosol and Air Quality Research*  
*Aging Clinical and Experimental Research*  
*Air Quality, Atmosphere and Health*  
*American Economics J: Applied Economics*  
*American J Agricultural Economics*  
*American J Cardiology*  
*American J Epidemiology*  
*American J Physiology: Heart and Circulatory Physiology*  
*American J Physiology: Lung Cellular and Molecular Physiology*  
*American J Public Health*  
*American J Psychiatry*  
*American J Respiratory and Critical Care Medicine*  
*Annals of the American Thoracic Society*  
*Annals of Epidemiology*  
*Annals of Internal Medicine*  
*Annals of the New York Academy of Sciences*  
*Applied Occupational and Environmental Hygiene*  
*Archives of Environmental Contamination and Toxicology*  
*Archives of Internal Medicine*  
*Arteriosclerosis, Thrombosis, and Vascular Biology*  
*Atmospheric Environment*  
*Biochimica et Biophysica Acta*  
*BMC Cancer*  
*BMJ Mental Health*  
*BMJ Open*  
*British Journal of Sports Medicine*  
*British Medical J (BMJ)*  
*Bulletin of the American Meteorology Society*  
*Canadian Medical Assoc J (CMAJ)*  
*Cancer*  
*Chemical Industry & Chemical Engineering Quarterly*  
*Chemical Research in Toxicology*  
*Chest*  
*Circulation*  
*Circulation Research*  
*Clinical Science*  
*Clinical Toxicology*  
*Contemporary Economic Policy*  
*Coronary Artery Disease*  
*Dose-Response*  
*Economic Inquiry*  
*Energy*  
*Environmental Epidemiology*  
*Environmental Geochemistry and Health*  
*Environmental Health*  
*Environmental Health Perspectives (EHP)*  
(Among “top reviewers” of the year in 2011, 2013; 2020)  
*Environment International*  
*Environmental Pollution*  
*Environmental Research*  
*Environmental Research Communications*  
*Environmental Research Letters*  
*Environmental Science & Ecology*  
*Environmental Science & Technology*  
*Environmental Science: Int J Research & Policy*  
*Epidemiology*  
*European Heart J*  
*European Respiratory J*  
*European J Epidemiology*  
*GeoHealth*  
*Gut*  
*Health Affairs*  
*Health Economics*  
*Heart*  
*Heliyon*  
*Hypertension*  
*Hypertension Research*  
*International J Cardiology*  
*International J Environmental Health Research*  
*International J Environment and Pollution*  
*International J Environmental Research and Public Health*  
*International J of Epidemiology*  
*International J of Medical Sciences*

*Inhalation Toxicology*  
*J Air & Waste Management Association*  
 (Best Reviewer Award 2015)  
*J Agricultural and Resource Economics*  
*J American College Cardiology (JACC)*  
*JACC: CardioOncology*  
*J American Heart Association (JAHA)*  
*J American Medical Association (JAMA)*  
*JAMA Network Open*  
*J American Society of Nephrology (JASN)*  
*JAMA Cardiology*  
*JAMA Open*  
*J Cardiac Failure*  
*J Electrocardiology*  
*J Environmental Economics Management*  
 (JEEM)  
*J Environmental Management*  
*J Environmental Public Health*  
*J Epidemiology and Community Health*  
*J Exposure Analysis and Environmental*  
*Epidemiology*  
*J Exposure Science & Environmental*  
*Epidemiology*  
*J Hazardous Materials*  
*J National Cancer Institute (JNCI)*  
*J Thrombosis and Haemostasis*  
*Lancet*  
*Lancet Diabetes & Endocrinology*  
*Lancet Planetary Health*  
*Lancet Public Health*

*Lancet Respiratory Medicine*  
*Lung Cancer*  
*National Science Review*  
*Nature*  
*Nature Geoscience*  
*Nature Communications*  
*Nature Reviews Cancer*  
*Nature Sustainability*  
*New England Journal of Medicine (NEJM)*  
*Obesity*  
*Occupational and Environmental Medicine*  
*Pan American J of Public Health*  
*Perspectives in Public Health*  
*Preventive Medicine*  
*Proceedings of the National Academy of*  
*Sciences (PNAS)*  
*Photochemistry and Photobiology*  
*PloS Medicine*  
*PloS One*  
*Physician Sports Medicine*  
*Review of Agricultural Economics*  
*Revista Internacionaona de Contaminacion*  
*Ambiental*  
*Risk Analysis*  
*Science*  
*Science Advances*  
*Science of the Total Environment*  
*Scientific Reports*  
*Statistics, Politics, and Policy*  
*Thorax*

#### COLLEGE/UNIVERSITY SERVICE

2020-present Institutional Review Board (IRB) for Human Subjects.  
 2017 Chair, College of Family Home and Social Science Rank and Status Committee.  
 2009-2012 Associate Dean, College of Family Home and Social Science.  
 2006-2008 University Rank and Status Committee (Chair 2008).  
 2005 College of Bio/Ag. Sciences (currently Life Sciences), 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.

## PUBLICATIONS IN PROGRESS

Pope CA III, Dockery DW. Particles of Truth: A Story of Discovery, Controversy, and the Fight for Healthy Air. Book manuscript. The MIT Press.

Higbee, JD, Pope CA III. Air Pollution and Mortality: Non-Attainment of PM<sub>2.5</sub> National Ambient Air Quality Standards. In review.

Hernandez CS, Skyllakou K, Rivera PG, Dinkelacker B, Marshall JD, Pope CA III, Robinson AL, Pandis SN, Adams PJ. Bias corrections for species- and source-resolved PM<sub>2.5</sub> chemical transport model simulations using a geographically weighted regression. In review.

Baba SP, Amraotkar AA, Hoetker D, Gao H, Gomes D, Zhao J, Wempe MF, Rice PJ, DeFilippis AP, Rai SH, Pope CA, Bhatnagar A, O'Toole T. Efficacy and Tolerance of Oral Carnosine Supplementation: A Double-Blind, Placebo-Control Randomized Evaluation. In review.

Chow SS, Wang Y, Sarnat JA, Diver WR, Deubler EL, Walker DI, Tang Z, Kesarwala A, Pope CA III, Jerret M, Turner MC, Liang D. The Role of Metabolic Perturbations in Mediating the Effects of Ambient Air Pollution on Lung Cancer in the Cancer Prevention Studies. In prep for review.

## PUBLICATIONS

Coleman CJ, McDonough DJ, Pope ZC, Pope CA III. Dose-Response Association of Aerobic and Muscle-Strengthening Physical Activity with Mortality: A National Cohort Study of 416,420 US Adults. *British Journal of Sports Medicine* 2022;56:1218-1223.  
<https://dx.doi.org/10.1136/bjsports-2022-105519>

Pond ZA, Saha PK, Coleman CJ, Presto AA, Robinson AL, Pope CA III. Mortality risk and long-term exposure to ultrafine particles and primary fine particle components in a national U.S. cohort. *Environment International* 2022;167:107439.  
<https://doi.org/10.1016/j.envint.2022.107439>

Mills, NL, Pope CA III. Environmental triggers of acute coronary syndromes (Invited editorial). *Circulation*. 2022;145:1761-1763.  
<https://doi.org/10.1161/CIRCULATIONAHA.122.059861>

Coleman, CJ, Yeager RA, Pond ZA, Riggs DW, Bhatnagar A, Pope CA III. Mortality risk associated with greenness, air pollution, and physical activity in a representative US Cohort. *Science of The Total Environment* 2022;824:153848.  
<https://www.sciencedirect.com/science/article/pii/S0048969722009408>

- Burnett RT, Spadaro JV, Garcia GR, Pope CA III. Designing Health Impact Functions to Assess Marginal Changes in Outdoor Fine Particulate Matter. *Environmental Research* 2022 Mar;204(PtC):112245. <https://pubmed.ncbi.nlm.nih.gov/34687750/>
- Pond ZA, Hernandez CS, Adams PJ, Pandis SN, Garcia GR, Robinson AL, Marshall JD, Burnett RT, Skyllakou K, Garcia Rivera P, Karnezi E, Coleman CJ, Pope CA III. Cardiopulmonary Mortality and Fine Particulate Air Pollution by Species and Source in a National U.S. Cohort. *Environmental Science and Technology (ES&T)* 2022;56(11):7214-7223. <https://doi.org/10.1021/acs.est.1c04176>
- Kim SY, Pope CA III, Marshall JD, Fann N, Sheppard L. Reanalysis of the association between reduction in long-term PM<sub>2.5</sub> concentrations and improved life expectancy. *Environmental Health* 2021;20(1):1-10. <https://doi.org/10.1186/s12940-021-00785-0>
- Coleman CJ, Yeager RA, Riggs DW, Coleman NC, Garcia GR, Bhatnagar A, Pope CA III. Greenness, air pollution, and mortality risk: A U.S. cohort study of cancer patients and survivors. *Environment International* 2021;157:106797. <https://www.sciencedirect.com/science/article/pii/S0160412021004220>
- Pope, CA III. Are adults with Chronic Obstructive Pulmonary Disease vulnerable to air pollution and cardiovascular risk? (Invited editorial) *American Journal of Respiratory and Critical Care Medicine* 2021;204:116-118. <https://doi.org/10.1164/rccm.202103-0647ED>
- Garcia GR III, Coleman NC, Pond ZA, Pope CA III. Shape of BMI-mortality risk associations: reverse causality and heterogeneity in a representative cohort of U.S. adults. *Obesity* 2021;29:755-766. <https://doi.org/10.1002/oby.23114> .
- Coleman NC, Ezzati M, Marshall JD, Robinson AL, Burnett RT, Pope CA III. Fine particulate matter air pollution and mortality risk among U.S. cancer patients and survivors. *JNCI Cancer Spectrum* 2021;5(1):pkab001, p 1-9. <https://doi.org/10.1093/jncics/pkab001>.
- O'Toole TE, Amraotkar AA, DeFilippis AP, Rai SN, Keith RJ, Baba SP, Lorkiewicz PK, Crandell CE, Pariser GL, Wingard CJ, Pope CA III, Bhatnagar A. Protocol to assess the efficacy of carnosine supplementation in mitigating the adverse cardiovascular responses to particulate matter (PM) exposure: The Nucleophilic Defense Against PM Toxicity trial. *BMJ Open* 2020;10:e039118, p 1-12. <https://bmjopen.bmj.com/content/bmjopen/10/12/E039118.full.pdf> .
- Turner MC, Andersen ZJ, Baccarelli A, Diver WR, Gapstur SM, Pope CA III, Prada D, Samet J, Thurston G, Cohen A. Outdoor Air Pollution and Cancer: An Overview of the Current Evidence and Public Health Recommendations. *CA: A Cancer Journal for Clinicians* 2020;70:460-479. <https://acsjournals.onlinelibrary.wiley.com/doi/epdf/10.3322/caac.21632>.

- Coleman NC, Burnett RT, Ezzati M, Marshal JD, Robinson AL, Pope CA III. Fine particulate matter exposure and cancer incidence: analysis of SEER Cancer Registry data from 1992-2016. *Environmental Health Perspectives* 2020;128(10):107004, p 1-9. <https://doi.org/10.1289/EHP7246>.
- Ou J, Pirozzi CS, Horne BJ, Hanson HA, Kirchhoff AC, Mitchell LE, Coleman NC, Pope CA III. Historic and modern air pollution studies conducted in Utah. *Atmosphere* 2020;11:1094, p 1-14. <https://doi:10.3390/atmos11101094> .
- Thakrar SK, Balasubramanian S, Adams PJ, Azevedo IML, Muller NZ, Pandis SN, Polasky S, Pope CA III, Robinson AL, Apte JS, Tessum CW, Marshall JD, Hill JD. Reducing mortality from air pollution in the United States by targeting specific emission sources. *Environmental Science & Technology Letters* 2020;7:639-645. <https://doi.org/10.1021/acs.estlett.0c00424> .
- Wang Y, Bechle MJ, Kim SY, Adams PJ, Pandis SN, Pope CA III, Robinson AL, Sheppard L, Szpiro AA, Marshal JD. Spatial decomposition analysis of NO<sub>2</sub> and PM<sub>2.5</sub> air pollution in the United States. *Atmospheric Environment* 2020;241:117470, p 1-8. <https://doi.org/10.1016/j.atmosenv.2020.117470>.
- Ou JY, Hanson HA, Ramsay JM, Kaddas HK, Pope CA III, Leiser CL, VanDerslice J, Kirchhoff AC. Fine particulate matter air pollution and mortality among pediatric, adolescent, and young adult cancer patients. *Cancer Epidemiology, Biomarkers & Prevention*. 2020;29(10):1929-1939. <https://doi.org/10.1158/1055-9965.EPI-19-1363> .
- Coleman NC, Burnett RT, Higbee JD, Lefler JS, Merrill RM, Ezzati M, Marshall JD, Kim SY, Bechle M, Robinson AL, Pope CA III. Cancer mortality risk, fine particulate air pollution, and smoking in a large, representative cohort of US adults. *Cancer Causes & Controls* 2020;31:767-776. <https://doi.org/10.1007/s10552-020-01317-w>.
- Pope CA III, Coleman N, Pond ZA, Burnett RT. Fine Particulate Air Pollution and Human Mortality: 25+ Years of Cohort Studies. *Environmental Research* 2020;183:108924, p 1-9. <https://doi.org/10.1016/j.envres.2019.108924>.
- Higbee JD, Lefler JS, Burnett RT, Ezzati M, Marshall JD, Kim SY, Bechle M, Robinson AL, Pope CA III. Estimating long-term pollution exposure effects through inverse probability weighting methods with Cox Proportional Hazards Models. *Environmental Epidemiology*. 2020;4 (2):e085, p 1-10. [https://journals.lww.com/environepidem/FullText/2020/04000/Estimating\\_long\\_term\\_pollution\\_exposure\\_effects.5.aspx](https://journals.lww.com/environepidem/FullText/2020/04000/Estimating_long_term_pollution_exposure_effects.5.aspx).
- Dockery DW, Pope CA III. The threat to air pollution health studies behind the Environmental Protection Agency's cloak of science transparency. *American Journal of Public Health*. 2020;110(3):286-287. <https://ajph.aphapublications.org/doi/full/10.2105/AJPH.2019.305531>

- Pope CA III, Bhatnagar A. Does air pollution increase risk of mortality after cardiac transplantation? (Invited editorial.) *Journal of the American College of Cardiology* 2019;74(24):3036-3038. <https://doi.org/10.1016/j.jacc.2019.07.091>
- Lefler JS, Higbee JD, Burnett RT, Ezzati M, Coleman NC, Mann DD, Marshall JD, Bechle M, Wang W, Robinson AL, Pope CA III. Air pollution and mortality in a large, representative U.S. cohort: multiple-pollutant analyses, and spatial and temporal decompositions. *Environmental Health* 2019;18:101(1-11). <https://doi.org/10.1186/s12940-019-0544-9>
- Bennett JE, Tamura-Wicks H, Parks RM, Burnett RT, Pope CA III, Bechle MJ, Marshall JD, Danaei G, Ezzati M. Particulate matter air pollution and national and county life expectancy loss in the USA: A spatiotemporal analysis. *PLOS Medicine* 2019;16(7):1-18. e1002856. <https://doi.org/10.1371/journal.pmed.1002856>. <https://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.1002856>
- Pope CA III, Lefler JS, Ezzati M, Higbee JD, Marshall JD, Kim SY, Bechle M, Gilliat KS, Vernon SE, Robinson AL, Burnett RT. Mortality risk and fine particulate air pollution in a large, representative cohort of U.S. adults. *Environmental Health Perspectives* 2019;127(7):1-9. <https://ehp.niehs.nih.gov/doi/pdf/10.1289/EHP4438>
- Finch J, Riggs DW, O'Toole TE, Pope CA III, Bhatnagar A, Conklin DJ. Acute exposure to air pollution is associated with novel changes in blood levels of endothelin-1 and circulating angiogenic cells in young healthy adults. *AIMS Environmental Science* 2019;6(4):265-276. DOI: 10.3934/environsci.2019.6.265 <https://www.aimspress.com/article/10.3934/environsci.2019.4.265>.
- Pope CA III. Efforts to reduce air pollution around the world have yielded tangible but tenuous gains. (Invited book review of *Choked: life and breath in the age of air pollution*.) *Science* 2019;364(6440):536. <https://blogs.sciencemag.org/books/2019/05/06/choked/>
- Ou JY, Hanson HA, Ramsay JM, Leiser CL, Zhang Y, VanDerslice JA, Pope CA III, Kirchhoff AC. Fine particulate matter and respiratory healthcare encounters among survivors of childhood cancers. *International Journal of Environmental Research and Public Health* 2019;16(6):1081; doi:10.3390/ijerph16061081.
- Nayebare SR, Aburizaiza OS, Siddique A, Carpenter DO, Pope CA III, Mirza HM, Zeb J, Aburizaiza AJ, Khwaja HA. Fine particles exposure and cardiopulmonary morbidity in Jeddah: A time-series analysis. *Science of the Total Environment* 2019;647:1314-1322.
- Burnett RT, Chen H, Szyszkowicz M, Fann N, Hubbell B, Pope CA III, Apte JS, Brauer M, Cohen A, Weichenthal S, Coggins J, Di Q, Brunekreef B, Frostad J, Lim SS, Kan H, Walker KD, Thurston G, Hayes RB, Lim CC, Turner MC, Jerrett M, Krewski D, Gapstur SM, Diver WR, Ostro B, Goldberg D, Crouse DL, Martin RV, Peters P, Pinault L, Tjepkema M, van Donkelaar A, Villeneuve PJ, Miller AB, Yin P, Zhou M, Wang L, Janssen NAH, Marra M, Atkinson RW, Tsang H, Thach TQ, Cannon JB, Allen RT, Hart

- JE, Laden F, Cesaroni G, Forastiere F, Weinmayr G, Jaensch A, Nagel G, Concin H, Spadaro JV. Global Mortality and Long-Term Ambient Exposure to Fine Particulate Matter: a New Relative Risk Estimator. *Proceedings of the National Academy of Sciences (PNAS)* 2018;115(38):9592-9597.
- Apte JS, Brauer M, Cohen AJ, Ezzati M, Pope CA III. Ambient PM<sub>2.5</sub> reduces global and regional life expectancy. *Environmental Science & Technology Letters* 2018;5(9):546-551. (One of Journal's "Best Papers of 2018.)
- Horne BD, Joy EA, Hofmann MG, Gesteland PH, Cannon JB, Lefler JS, Blagev DP, Korgenski EK, Torosyan N, Hansen GI, Kartchner D, Pope CA III. Short-Term Elevation of Fine Particulate Matter Air Pollution and Acute Lower Respiratory Infection. *American Journal of Respiratory and Critical Care Medicine* 2018;198(6):759-766.
- Pope CA III, Cohen AJ, Burnett RT. Cardiovascular disease and fine particulate matter: lessons and limitations of an integrated exposure-response approach. *Circulation Research* 2018;122:1645-1647.
- Pope CA III, Ezzati M, Cannon JB, Allen RT, Jerrett M, Burnett RT. Mortality risk and PM<sub>2.5</sub> air pollution in the USA: an analysis of a national prospective cohort. *Air Quality, Atmosphere & Health* 2018;11:245-252.
- Pope CA III, Krewski D, Gapstur SM, Turner MC, Jerrett M, Burnett RT. Fine particulate air pollution and mortality: response to Enstrom's reanalysis of the American Cancer Society Cancer Prevention Study II cohort. *Dose-Response An International Journal* October-December 2017:1-5 (doi.org/10.1177/1559325817746303).
- Turner MC, Krewski D, Diver WR, Pope CA III, Burnett RT, Jerrett M, Marshall J, Gapstur SM. Ambient air pollution and cancer mortality in the Cancer Prevention Study II. *Environmental Health Perspectives* 2017;125(8):1-10 (DOI:10.1289/EHP1249).
- Cohen AJ, Brauer M, Burnett R, Anderson HR, Frostad J, Estep K, Balakrishnan K, Brunekreef B, Dandona L, Dandona R, Feigin V, Freedman G, Hubbell B, Jobling A, Kan H, Knibbs L, Liu Y, Martin R, Morawska L, Pope CA III, Shin H, Straif K, Shaddick G, Thomas M, van Dingenen R, van Donkelaar A, Vos T, Murray CJL, Forouzanfar MH. Estimates and 25-year trends of the global burden of disease attributable to ambient air pollution: an analysis of data from the Global Burden of Diseases Study 2015. *Lancet* 2017;389:1907-1918.
- Jerrett M, Turner MC, Beckerman BS, Pope CA III, van Donkelaar A, Martin RV, Serre M, Crouse D, Gapstur SM, Krewski D, Diver WR, Coogan PF, Thurston GD, Burnett RT. Comparing the Health Effects of Ambient Particulate Matter Estimated Using Ground-Based versus Remote Sensing Exposure Estimates. *Environmental Health Perspectives* 2017;125:552-559.

- Turner MC, Cohen A, Burnett RT, Jerrett M, Diver WR, Gapstur SM, Krewski D, Samet JM, Pope CA III. Interactions between cigarette smoking and ambient PM<sub>2.5</sub> for cardiovascular mortality. *Environmental Research* 2017;154:304-310.
- Zeft AS, Prahalad S, Schneider R, Dedeoglu F, Weiss P, Grom A, Mix C, Pope CA III. Systemic onset juvenile idiopathic arthritis and exposure to fine particulate air pollution. *Clinical and Experimental Rheumatology* 2016;34:946-952.
- Shin HH, Cohen AJ, Pope CA III, Ezzati M, Lim SS, Hubbell BJ, Burnett RT. Meta-analysis methods to estimate the shape and uncertainty in the association between long-term exposure to ambient fine particulate matter and cause-specific mortality over the global concentration range. *Risk Analysis* 2016;36:1813-1825.
- Youngquist ST, Hood CH, Hales NM, Barton CC, Madsen TM, Pope CA III. Association between EMS calls and fine particulate air pollution in Utah. *Air Quality, Atmosphere and Health* 2016;9:887-897.
- Baccarelli AA, Hales N, Burnett RT, Jerrett M, Mix C, Dockery DW, Pope CA III. Particulate Air Pollution, Exceptional Aging, and Rates of Centenarians: A Nationwide Analysis of the United States, 1980-2010. *Environmental Health Perspectives* 2016;124:1744-1750.
- Pope CA III, Bhatnagar A, McCracken JP, Abplanalp W, Conklin DJ, O'Toole T. Exposure to fine particulate matter air pollution is associated with endothelial injury and systemic inflammation. *Circulation Research*. 2016;119:1204-1214.
- GBD 2015 Mortality and Causes of Death Collaborators (769). Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet*. 2016 Oct 8;388(10053):1459-1544.
- GBD 2015 Risk Factors Collaborators (644). Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet*. 2016 Oct 8;388(10053):1659-1724.
- Zeft AS, Burns JC, Yeung RS, McCrindle BW, Newburger JW, Dominguez SR, Anderson MS, Arrington C, Shulman ST, Yoon J, Tewelde H, Mix C, Pope CA. Kawasaki Disease and exposure to fine particulate air pollution. *The Journal of Pediatrics* 2016;177:179-83.
- Allen RT, Hales NM, Baccarelli A, Jerrett M, Ezzati M, Dockery DW, Pope CA III. Countervailing effects of income, air pollution, smoking and obesity on aging and life expectancy: population-based study of U.S. counties. *Environmental Health* 2016;15:86 (pp 1-10).

- West JJ, Cohen A, Dentener F, Brunekreef B, Zhu T, Armstrong B, Bell ML, Brauer M, Carmichael G, Costa DL, Dockery DW, Kleeman M, Krzyzanowski M, Kunzli N, Liousee C, Lung SCC, Martin RV, Poschl U, Pope CA III, Roberts JM, Russell AG, Wiedinmyer C. What we breathe impacts our health: improving understanding of the link between air pollution and health. *Environmental Science & Technology* 2016;50:4895-4904.
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