

Poster Presenters at the HEI Annual Conference 2018

Accountability

Ying-Ying Meng, University of California–Los Angeles, CA
Improvements in air quality and health outcomes among California Medicaid enrollees due to goods movement actions (Phase II Health Effects Study)

Epidemiological Studies

Health Effects of Air Pollution

Jane Clougherty, Drexel University Dornsife School of Public Health, Philadelphia, PA
Susceptibility to multiple air pollutants in cardiovascular disease

Mònica Guxens, Barcelona Institute for Global Health (ISGlobal), Barcelona, Spain
Air Pollution, Autism spectrum disorders, and brain imaging amongst CHildren in Europe — the APACHE project
Walter A. Rosenblith New Investigator Award 2016

William Kraus, Duke University, Durham, NC
Angiopoeitin-2 as a biomarker for gene–environment interactions in a cardiovascular disease cohort

Marie Pedersen, University of Copenhagen, Denmark
Impact of exposure to air pollution on asthma: a multi-exposure assessment
Walter A. Rosenblith New Investigator Award 2017

Annette Rohr, Electric Power Research Institute, and Helen Suh, Tufts University, Medford, MA
Investigation of confounding in air pollution epidemiology studies using a large Medicare beneficiary dataset [not funded by HEI]

Health Effects of Traffic Pollution and Noise

Payam Dadvand, Barcelona Institute for Global Health (ISGlobal), Barcelona, Spain
Traffic-related air pollution and birth weight: the roles of noise, placental function, green space, physical activity, and socioeconomic status (FRONTIER)

Meredith Franklin, University of Southern California, Los Angeles, CA
Intersections as hot spots: assessing the contribution of localized non-tailpipe emissions and noise on the association between traffic and children’s health

Ole Raaschou-Nielsen, Danish Cancer Society Research Center, Copenhagen, Denmark
Health effects of air pollution components, noise and socioeconomic status (“HERMES”)

Health Effects at Low Ambient Concentrations

Michael Brauer, University of British Columbia, Vancouver, Canada
Identifying the shape of the association between long-term exposure to low levels of ambient air pollution and the risk of mortality: an extension of the Canadian Census Health and Environment Cohort using innovative data linkage and exposure methodology

Substudies:

- Michael Brauer, University of British Columbia, Vancouver, Canada
MAPLE: Mortality–Air Pollution associations in Low Exposure environments

- Randall V. Martin, Dalhousie University, Halifax, NS, Canada
Exposure Estimation for MAPLE: Mortality–Air Pollution associations in Low Exposure environments
- Anders Erickson, University of British Columbia, Vancouver, Canada
Evaluation of a method to indirectly adjust for unmeasured covariates in large administrative data cohort analyses: an analysis of associations between fine particulate matter and mortality in the 2001 Canadian Census Health and Environment Cohort (2001 CanCHEC)

Bert Brunekreef, Utrecht University, Utrecht, the Netherlands

Mortality and morbidity effects of long-term exposure to low-level PM_{2.5}, black carbon, NO₂ and O₃: an analysis of European cohorts

Substudies:

- Maciek Strak, Utrecht University, Utrecht, the Netherlands
Mortality, morbidity and low-level air pollution in a pooled cohort of 485,000 in Europe in the ELAPSE project
- Danielle Vienneau, Swiss Tropical and Public Health Institute, Basel, Switzerland
Mortality, morbidity and low-level air pollution in a population of 35 million in Europe: analysis of administrative cohorts in the ELAPSE project
- Klea Katsouyanni, Medical School, University of Athens, Greece, and King's College London, UK, and Bert Brunekreef, Utrecht University, the Netherlands
Development of the statistical protocol for the investigation of the health effects of long-term exposure to low air pollutant concentrations in the ELAPSE project

Francesca Dominici, Harvard T.H. Chan School of Public Health, Boston, MA

Assessing adverse health effects of long-term exposure to low levels of ambient pollution

Substudies:

- Danielle Braun, Harvard T.H. Chan School of Public Health, Boston, MA and Marianthi-Anna Kioumourtzoglou, Columbia University, New York, NY
Sensitivity of the association of long-term PM_{2.5} and mortality to modeling choices
- Qian Di and Francesca Dominici, Harvard T.H. Chan School of Public Health, Boston, MA
An ensemble model-based approach for spatially and temporally resolved NO₂ exposures in the continental United States
- Francesca Dominici, Harvard T.H. Chan School of Public Health, Boston, MA
Nationwide studies of short- and long-term effects of PM_{2.5} and O₃ on mortality

Exposure Assessment

Joshua Apte, University of Texas at Austin, TX

Scalable multi-pollutant exposure assessment using mobile monitoring platforms
Walter A. Rosenblith New Investigator Award 2017

Stuart Batterman, University of Michigan, Ann Arbor, MI

Enhancing models and measurements of traffic-related air pollutants for health studies using dispersion and Bayesian fusion models

H. Christopher Frey, North Carolina State University, Raleigh, NC

Characterizing the determinants of vehicle traffic emissions exposure: measurement and modeling of land-use, traffic, transformation, and transport

Petros Koutrakis, Harvard T.H. Chan School of Public Health, Boston, MA

Chemical and physical characterization of non-tailpipe and tailpipe emissions at 100 locations near major roads in the Greater Boston area

Ozone and Particulate Matter Mechanisms

John Balmes, University of California–San Francisco, CA; Philip Bromberg, University of North Carolina at Chapel Hill, NC; Mark Frampton and David Rich (presenter), University of Rochester, NY
Multicenter Ozone Study in Elderly Subjects (MOSES), Part 2: impacts of personal and ambient concentrations of ozone and other pollutants on biomarkers of cardiovascular and pulmonary function

Lydia Contreras, University of Texas at Austin, TX
The role of air pollution on RNA oxidative stress, characterization of stress-response enzymes, and applications toward RNA-based biosensors
Walter A. Rosenblith New Investigator Award 2014

Kymberly Gowdy, East Carolina University, Greenville, NC
Sex differences in pulmonary eicosanoid metabolism in response to ozone exposure
Walter A. Rosenblith New Investigator Award 2015

Advancing Air Quality, Global Health, and Energy Science at HEI

Michael Brauer, University of British Columbia, Vancouver, Canada, and the HEI GBD MAPS Working Group
Contributions to disease burden from major sources of air pollution in China and India

Donna Vorhees, Anna Rosofsky, Kathryn Liziewski, Dan Greenbaum, Robert O'Keefe, and Rashid Shaikh, Health Effects Institute
Early progress with HEI's Energy Research Program

Katherine Walker, Health Effects Institute
State of global air in 2018

Allison Patton, Health Effects Institute
Regression and dispersion models of near-highway ultrafine particle number concentrations for use in health studies

Anna Rosofsky, Health Effects Institute
Prenatal ambient air pollution exposure: association with longitudinal weight growth trajectories in early childhood