

**HEI Annual Conference
April 5–7, 2020
Boston, Massachusetts**

Poster Presenters (preliminary list)

Epidemiological Studies

Health Effects of Air Pollution at Low Ambient Concentrations

Michael Brauer, The 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

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

Francesca Dominici and Antonella Zanobetti (co-PIs), Harvard T.H. Chan School of Public Health, Boston, MA

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

Health Effects of Ambient Air Pollution on Susceptible Populations

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

Marie Pedersen, University of Copenhagen, Copenhagen, Denmark

Impact of exposure to air pollution on asthma: A multi-exposure assessment

Tanya Alderete, University of Colorado, Boulder, CO

Air pollutants and the gut microbiota and metabolome during early life: Implications for childhood obesity

Megan Herting, University of Southern California, Los Angeles, CA

Air pollution exposure and prefrontal connectivity in early adolescence

Health Effects of Traffic-Related Air Pollution and Noise

Payam Dadvand and Jordi Sunyer (co-PIs), 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 socio-economic status ("HERMES")

Global Health

Michael Brauer, The University of British Columbia, Vancouver, Canada, and Randall Martin, Dalhousie University, Halifax, Canada (co-PIs)

Global Burden of Disease—Major Air Pollution Sources—a GLOBAL approach

Roel Vermeulen, Utrecht University, the Netherlands

Long-term outdoor air pollution and cause-specific mortality in a pooled analysis of multiple Asian cohorts

Susan Anenberg, George Washington University, Washington, DC

Integrating satellites, ground monitoring, and modeling to estimate long-term NO₂ exposures and associated impacts

Improving Assessment of Exposure to Traffic-Related Air Pollution

Joshua Apte, University of Texas at Austin, Austin, TX

Scalable multi-pollutant exposure assessment using mobile monitoring platforms

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

Kees de Hoogh, Swiss Tropical and Public Health Institute, Basel, Switzerland

Accounting for mobility in air pollution exposure estimates in studies on long-term health effects

Gerard Hoek, Utrecht University, Utrecht, the Netherlands

Comparison of long-term air pollution exposure assessment based on mobile monitoring, low-cost sensors, dispersion modeling, and routine monitoring-based models

Klea Katsouyanni, King's College London, United Kingdom

Investigating the consequences of measurement error of gradually more sophisticated long-term personal exposure models in assessing health effects: The London Study

Elizabeth Sheppard, University of Washington, Seattle, WA

Optimizing exposure assessment for inference about air pollution effects with application to the aging brain

Scott Weichenthal, McGill University, Montreal, Canada

Comparing the estimated health impacts of long-term exposures to traffic-related air pollution using fixed-site, mobile, and deep learning methods

Ozone and Particulate Matter Mechanisms

Manabu Shiraiwa, University of California, Irvine

Formation of reactive oxygen species by organic aerosols and transition metals in epithelial lining fluid

Potential Benefits of Air Quality Improvements

Amir Hakami, Carleton University, Ottawa, Canada

Quantifying marginal societal health benefits of transportation emission reductions in the United States and Canada

Sara Adar, University of Michigan, Ann Arbor, MI

Assessing national health and educational benefits of the EPA's school bus retrofit and replacement program: A randomized controlled trial design

Samuel Harper and Jill Baumgartner, McGill University, Montreal, Canada

How do household energy interventions work?

Perry Hystad, Oregon State University, Corvallis, OR

Impacts of vehicle emission regulations and local congestion policies on birth outcomes associated with traffic pollution

Patrick Kinney, Boston University, Boston, MA

Accounting for the health benefits of air pollution regulation in China, 2008–2019

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Hanna Boogaard, Health Effects Institute

Systematic review on the health effects of long-term exposure to traffic-related air pollution

HEI Energy Program

HEI Global Health Program