



# Publications Related to Conference Topics

## SUNDAY

### **New Mobility: Changing Health?**

#### *HEI Research Reports:*

Kelly F, Anderson HR, Armstrong B, Atkinson R, Barratt B, Beevers S, et al. 2011. [The Impact of the Congestion Charging Scheme on Air Quality in London](#). Research Report 155. Boston, MA: Health Effects Institute.

Kelly F, Armstrong B, Atkinson R, Anderson HR, Barratt B, Beevers S, et al. 2011. [The London Low Emission Zone Baseline Study](#). Research Report 163. Boston, MA: Health Effects Institute.

#### *HEI Communications and Special Reports:*

HEI Panel on the Health Effects of Traffic-Related Air Pollution. 2010. [Traffic-Related Air Pollution: A Critical Review of the Literature on Emissions, Exposure, and Health Effects](#). Special Report 17. Boston, MA: Health Effects Institute.

HEI Special Committee on Emerging Technologies. 2011. [The Future of Vehicle Fuels and Technologies: Anticipating Health Benefits and Challenges](#). Communication 16. Health Effects Institute, Boston, MA.

#### *Selected Publications by the Speakers:*

Glazener, A. and Khreis, H. 2019. [Transforming Our Cities: Best Practices Towards Clean Air and Active Transportation](#). Current Environmental Health Reports, doi: 10.1007/s40572-019-0228-1.

Nieuwenhuijsen, M. and Khreis, H. eds. 2018. [Integrating Human Health Into Urban and Transport Planning: A Framework](#). Springer, doi: 10.1007/978-3-319-74983-9.

Polzin S.E., Sperling D. 2018. [Upgrading Transit for the Twenty-First Century](#). In: Sperling D. (eds) Three Revolutions. Island Press, Washington, DC, doi: 10.5822/978-1-61091-906-7\_5.

Rohr, Charlene, Liisa Ecola, Johanna Zmud, Fay Dunkerley, James Black, and Eleanor Baker. 2011. [Travel in Britain in 2035: Future Scenarios and Their Implications for Technology Innovation](#), Innovate UK, RR-1377-IUK, 2016.

Wang, A., C. Stogios, Y. Gai, J. Vaughan, G. Ozonder, S. Lee, D.I. Posen, E.J. Miller. M. Hatzopoulou. 2018. [Automated, Electric, or Both? Investigating the Effects of Transportation and Technology Scenarios on Metropolitan Greenhouse Gas Emissions](#). Sustainable Cities and Society, 40: 524-533, doi: 10.1016/j.scs.2018.05.004.

Widener MJ, Hatzopoulou M. 2016. [Contextualizing Research on Transportation and Health: A Systems Perspective](#). Journal of Transport & Health 3:232-239, doi: 10.1016/j.jth.2016.01.008.

# MONDAY

## Health Effects of Early-Life Exposure to Air Pollution

*HEI Research Reports:*

Gilliland F, Avol E, McConnell R, Berhane K, Gauderman WJ, Lurmann FW, et al. 2017. [The Effects of Policy-Driven Air Quality Improvements on Children's Respiratory Health](#). Research Report 190. Boston, MA:Health Effects Institute.

Grigg J, Kulkarni N, Pierse N, Rushton L, O'Callaghan C, Rutman A. 2008. [Black-Pigmented Material in Airway Macrophages from Healthy Children: Association with Lung Function and Modeled PM<sub>10</sub>](#). Research Report 134. Boston, MA:Health Effects Institute.

HEI Collaborative Working Group on Air Pollution, Poverty, and Health in Ho Chi Minh City. 2012. [Effects of Short-Term Exposure to Air Pollution on Hospital Admissions of Young Children for Acute Lower Respiratory Infections in Ho Chi Minh City, Vietnam](#). Research Report 169. Boston, MA:Health Effects Institute.

Koutrakis P, Suh HH, Sarnat JA, Brown KW, Coull BA, Schwartz J. 2005. [Characterization of Particulate and Gas Exposures of Sensitive Subpopulations Living in Baltimore and Boston](#). Research Report 131. Boston, MA:Health Effects Institute.

Levy JI, Clougherty JE, Baxter LK, Houseman EA, Paciorek CJ. 2010. [Evaluating Heterogeneity in Indoor and Outdoor Air Pollution Using Land-Use Regression and Constrained Factor Analysis](#). Research Report 152. Boston, MA:Health Effects Institute.

Molitor J, Coker E, Jerrett M, Ritz B, Li A. 2016. Part 3. [Modeling of Multipollutant Profiles and Spatially Varying Health Effects with Applications to Indicators of Adverse Birth Outcomes](#). In: Development of Statistical Methods for Multipollutant Research. Research Report 183. Boston, MA:Health Effects Institute.

Noonan CW, Ward TJ, Navidi W, Sheppard L, Bergauff M, Palmer C. 2011. [Assessing the Impact of a Wood Stove Replacement Program on Air Quality and Children's Health](#). Research Report 162. Boston, MA:Health Effects Institute.

Peel JL, Klein M, W. Flanders WD, Mulholland JA, Tolbert PE. 2010. [Impact of Improved Air Quality During the 1996 Summer Olympic Games in Atlanta on Multiple Cardiovascular and Respiratory Outcomes](#). Research Report 148. Boston, MA:Health Effects Institute.

Qian Z, Zhang B, Liang S, Wang J, Yang S, Hu K, et al. 2016. [Ambient Air Pollution and Adverse Pregnancy Outcomes in Wuhan, China](#). Research Report 189. Boston, MA:Health Effects Institute.

Wu J, Laurent O, Li L, Hu J, Kleeman M. 2016. [Adverse Reproductive Health Outcomes and Exposure to Gaseous and Particulate-Matter Air Pollution in Pregnant Women](#). Research Report 188. Boston, MA:Health Effects Institute.

## Global Health: Building Science for Informed Action

### *HEI Special Reports:*

GBD MAPS Working Group. 2016. [Burden of Disease Attributable to Coal-Burning and Other Major Sources of Air Pollution in China](#). Special Report 20. Boston, MA:Health Effects Institute. (Online only.)

GBD MAPS Working Group. 2018. [Burden of Disease Attributable to Major Air Pollution Sources in India](#). Special Report 21. Boston, MA:Health Effects Institute. (Online only.)

Health Effects Institute. 2010. [Outdoor Air Pollution and Health in the Developing Countries of Asia: A Comprehensive Review](#). Special Report 18. Boston, MA:Health Effects Institute.

Health Effects Institute. 2019. [State of Global Air 2019](#). Boston, MA:Health Effects Institute.

HEI Household Air Pollution Working Group. 2018. [Household Air Pollution and Noncommunicable Disease](#). (Communication 18). Boston, MA:Health Effects Institute.

## Where There's Wildfire, There's Smoke

### *HEI Research Reports:*

Coull BA, Bobb JF, Wellenius GA, Kioumourtzoglou M-A, Mittleman MA, Koutrakis P, et al. 2015. [Development of Statistical Methods for Multipollutant Research](#). Research Report 183. Boston, MA:Health Effects Institute.

Lippmann M, Chen L-C, Gordon T, Ito K, Thurston GD. 2013. [National Particle Component Toxicity \(NPACT\) Initiative: Integrated Epidemiologic and Toxicologic Studies of the Health Effects of Particulate Matter Components](#). Research Report 177. Boston, MA:Health Effects Institute.

Noonan CW, Ward TJ, Navidi W, Sheppard L, Bergauff M, Palmer C. 2011. [Assessing the Impact of a Wood Stove Replacement Program on Air Quality and Children's Health](#). Research Report 162. Boston, MA:Health Effects Institute.

Vedal S, Campen MJ, McDonald JD, Kaufman JD, Larson TV, Sampson PD, Sheppard L, Simpson CD, Szpiro AA. 2013. [National Particle Component Toxicity \(NPACT\) Initiative Report on Cardiovascular Effects](#). Research Report 178. Boston, MA:Health Effects Institute.

### *HEI Special Reports:*

GBD MAPS Working Group. 2018. [Burden of Disease Attributable to Major Air Pollution Sources in India](#). Special Report 21. Boston, MA:Health Effects Institute. (Online only.)

Health Effects Institute. 2010. [Outdoor Air Pollution and Health in the Developing Countries of Asia: A Comprehensive Review](#). Special Report 18. Boston, MA:Health Effects Institute.

HEI International Scientific Oversight Committee. 2004. [Health Effects of Outdoor Air Pollution in Developing Countries of Asia: A Literature Review](#). Special Report 15. Boston, MA:Health Effects Institute.

## TUESDAY

### How Low? Testing Health Effects at the Lowest Levels of Air Pollution

#### *Research Reports*

Brunekreef B, Beelen R, Hoek G, Schouten L, Bausch-Goldbohm S, Fischer P, et al. 2009. [Effects of Long-Term Exposure to Traffic-Related Air Pollution on Respiratory and Cardiovascular Mortality in the Netherlands: The NLCS-AIR Study](#). Research Report 139. Boston, MA:Health Effects Institute.

Coull BA, Bobb JF, Wellenius GA, Kioumourtzoglou M-A, Mittleman MA, Koutrakis P, et al. 2015. Part 1. [Statistical Learning Methods for the Effects of Multiple Air Pollution Constituents](#). In: Development of Statistical Methods for Multipollutant Research. Research Report 183. Boston, MA:Health Effects Institute.

Daniels MJ, Dominici F, Zeger SL, Samet JM. 2004. Part III. [PM<sub>10</sub> Concentration–Response Curves and Thresholds for the 20 Largest US Cities](#). In: The National Morbidity, Mortality, and Air Pollution Study. Research Report 94. Boston, MA:Health Effects Institute.

Dominici F, Zanobetti A, Zeger SL, Schwartz J, Samet J. 2005. Part IV. [Hierarchical Bivariate Time-Series Models — A Combined Analysis of PM<sub>10</sub> Effects on Hospitalization and Mortality](#). In: The National Morbidity, Mortality, and Air Pollution Study. Research Report 94. Boston, MA:Health Effects Institute.

Dominici F. 2004. [Time-Series Analysis of Air Pollution and Mortality: A Statistical Review](#). Research Report 123. Boston, MA:Health Effects Institute.

Frampton MW, Balmes JR, Bromberg PA, Stark P, Arjomandi M, Hazucha MJ, et al. 2017. [Multicenter Ozone Study in older Subjects \(MOSES\): Part 1. Effects of Exposure to Low Concentrations of Ozone on Respiratory and Cardiovascular Outcomes](#). Research Report 192, Pt. 1. Boston, MA:Health Effects Institute.

Katsouyanni K, Samet J, Anderson HR, Atkinson R, Le Tertre A, Medina S, et al. 2009. [Air Pollution and Health: A European and North American Approach \(APHENA\)](#). Research Report 142. Boston, MA:Health Effects Institute.

Krewski D, Jerrett M, Burnett RT, Ma R, Hughes E, Shi Y, et al. 2009. [Extended Follow-Up and Spatial Analysis of the American Cancer Society Study Linking Particulate Air Pollution and Mortality](#). Research Report 140. Boston, MA:Health Effects Institute.

Molitor J, Coker E, Jerrett M, Ritz B, Li A. 2016. Part 3. [Modeling of Multipollutant Profiles and Spatially Varying Health Effects with Applications to Indicators of Adverse Birth Outcomes](#). In: Development of Statistical Methods for Multipollutant Research. Research Report 183. Boston, MA:Health Effects Institute.

Park ES, Symanski E, Han D, Spiegelman C. 2015. Part 2. [Development of Enhanced Statistical Methods for Assessing Health Effects Associated with an Unknown Number of Major Sources of Multiple Air Pollutants](#). In: Development of Statistical Methods for Multipollutant Research. Research Report 183. Boston, MA:Health Effects Institute.

Robins JM, Zhang P, Ayyagari R, Logan R, Tchetgen E, Li L, et al. 2013. [New Statistical Approaches to Semiparametric Regression with Application to Air Pollution Research](#). Research Report 175. Boston, MA:Health Effects Institute.

Samet JM, Dominici F, Zeger SL, Schwartz J, Dockery DW. 2000. Part I. [Methods and Methodologic Issues](#). In: The National Morbidity, Mortality, and Air Pollution Study. Research Report 94. Cambridge, MA:Health Effects Institute.

Samet JM, Zeger SL, Dominici F, Curriero F, Coursac I, Dockery DW, et al. 2000. Part II. [Morbidity and Mortality from Air Pollution in the United States](#). In: The National Morbidity, Mortality, and Air Pollution Study. Research Report 94. Cambridge, MA:Health Effects Institute.

*Special Report*

Health Effects Institute. 2003. [Revised Analyses of Time-Series Studies of Air Pollution and Health. Special Report](#). Boston, MA:Health Effects Institute.

## **The HEI Strategic Plan 2020–2025**

Health Effects Institute. 2019. HEI Draft Strategic Plan for Understanding the Health Effects of Air Pollution 2020–2025. [To be distributed at the conference]

Health Effects Institute. 2015. [HEI Strategic Plan for Understanding the Health Effects of Air Pollution 2015–2020](#). Boston, MA:Health Effects Institute.