



Presenter last name	Abstract title	Poster Board #		
		Sunday 3:30- 5:00	Monday 10:45- 12:15	Tuesday 10:50- 12:20
Adelman	What Can VOC Monitoring Data Tell Us About Air Quality and Health in the Great Lakes Region?		1	
Allen	Spatial and temporal variability in atmospheric emissions from oil and gas production in the Permian Basin			1
Anand	Twenty Years of High-Resolution PM _{2.5} Exposure and Health Impacts in Ghana Using Satellite Data, Surface Observations, and Machine Learning	1		
Badyda	The Potential of the Salt Mine Microclimate in the Treatment and Rehabilitation of Respiratory Diseases			2
Benish	The National Atmospheric Deposition Program: 48 Years of Monitoring Success Informing Acid Rain Policy and Beyond		2	
Benka-Coker	Personal Air Pollution Exposure and Lung Function from Cooking Among Food Vendors in Barbados			3
Blanco	Air Pollution Mixtures and Alzheimer's Disease and Related Dementia Neuropathology		3	
Byrley	Challenges of Interpreting Machine-Learning-Based Ensemble Exposure Models in Air Pollution Epidemiology Studies Evaluated in NAAQS Reviews	2		
Campmier	Rural outdoor air pollution exceeds urban levels in the Delhi megacity region		4	

Carlsten	Neurocognitive Effects of Episodic Exposure to Wildfire Smoke: Mechanisms and Patterns of Exposure	5
Cheng	Modeling Truck-Attributable PM _{2.5} and Health Risks in Little Village, Chicago, Pre- and Post-COVID-19	3
Cliff	A Decade of Progress: Quantifying Air Pollution Reductions in West Oakland, CA with Hyperlocal Monitoring (2015-2025)	4
Danforth	Health and non-CO ₂ Emissions from Point-Source Carbon Capture Technology	4
Dey	Effect of ambient PM _{2.5} exposure on hospital admissions due to heart failure and post-discharge survival rate in India	6
Erdal	Analysis of 69-node Clarity PM _{2.5} and NO ₂ Air Quality Data in Chicago's Environmental Justice Communities	5
Franklin	A critical review of concentration–response functions in assessing the health impacts of the electric vehicle transition	6
Franklin	Assessing methane source contributions in the Permian basin using satellite and ground observations	5
Ghosh	Development and Validation of a Long-Term Personal PM _{2.5} Exposure Model and Its Association with Cardiovascular Markers in Indian Cohorts	7
Gibson	Traffic-Related Air Pollution, Lipoproteins, and Cardiovascular Disease Risk in the VITamin D and OmegA-3 Trial (VITAL)	6
Goodchild	Health equity and e-commerce: Evaluating warehouse-based electrification and land use policies	7
Graves	Hybrid dispersion and chemical transport modeling frameworks for characterizing sources of ambient hydrocarbons in the Permian Basin	8
Hallaji	Assessing On-Road NO ₂ Emissions and Concentration Responses to Congestion Pricing Using High-Resolution CMAQ Modeling	8

Hang	Geostationary Satellite Observations Resolve Transboundary Urban Ozone Dynamics and Their Association with Sleep Health	9
Hazelwood	Mapping the spatial distribution of sub-10 nm particles in Raleigh, NC	7
Hilpert	The Bronx Environmental Health Summer Training Program: High School Students Explore Multi-Pollutant Exposures in Their Community	10
Horton	Efficacy of Vehicle Emission Control Interventions in Ameliorating Air Pollution Exposure and Health Burdens in Marginalized Communities	9
Hunt	Advancing Children’s Environmental Health Knowledge and Partnerships	11
Khwaja	Silent Threats in the Air: Linking PM _{2.5} and Black Carbon to Pulmonary Disease Across Karachi	12
Kiros	HEI's Undergraduate Summer Fellowship Program	13
Kioumourtzoglou	Daily NO ₂ Estimates with Rigorous Spatiotemporal Uncertainty Quantification for Use in Health Studies	8
Knote	Predicting cardiometabolic health and air pollution in future transportation landscapes using agent-based models (TRANSCAPE)	10
Lang	Improving characterization of freight-related emissions within SMOKE-MOVES at equity-relevant spatial scales	9
Li, H	Ambient Fine Particulate Matter Components and Liver Fat and Stiffness in Adolescents: Stronger Associations in PNPLA3 I148M Carriers with Evidence of Metabolic Mechanisms	14
Li, L	Bayesian Ensemble Estimation of Uncertainty in High- Resolution Satellite-Based Air Pollution Predictions: Patterns and Driving Factors	10
Liao	BREATHE: Bridging REalms for Assessment of Traffic-related Health Effects	11

Isoto	Assessing Mortality and Morbidity Associated with PM _{2.5} Exposure Using Hospital Records and Beta Attenuation Monitor Data in Kampala, Uganda.	11	
Meng	Quantifying Wildfire Contributions to Ambient Polycyclic Aromatic Hydrocarbon (PAH) Levels over North America Using a Chemical Transport Model	12	
Meskhidze	Unmasking the Invisible: Natural Gas Power Plants as Hidden Sources of Urban Ultrafine Particles	13	
Micucci	VOC emissions from oil and gas wells in Ontario, Canada		15
Mullan Valappil	Estimating the impact of vegetative cover and traffic on PM _{2.5} Exposure in South Phoenix School Zones		12
Nethery	Estimating subgroup- and region-specific causal exposure-response curves and designing optimal policies for air pollution and mortality		13
Nghiem	Same Pollution, Different Numbers. AQI Hub: Comprehensive Documentation for Global Air Quality Indices		14
Oehlerking	Development of an Emissions Inventory for Illinois Warehouses for Modeling the Implementation of an Indirect Source Rule	14	
Ornelas Van Horne	What's in the air? Engaging Native American youth in the Northern plains to reduce air pollution	15	
Patton	Evaluating Turnover of On-Road Medium- and Heavy-Duty Diesel Fleets in the United States		15
Paulson	Novel Exposures, Birth Outcomes and Environmental Justice in a Changing Transportation Landscape		16
Pintea	Beyond Single Pollutants: Analysis of Air Pollution Mixtures and Chronic Pain in U.S. Children		16
Qiu	Beyond PM _{2.5} : Growing impacts of wildfire on ozone pollution and associated mortality burden in the United States		17

Rosofsky	A Framework for Assessing Cumulative Environmental and Public Health Effects of Data Centers	18
Scales	Health Impacts of Non-Exhaust Emissions (NEXUS): An International Partnership to Improve Research Infrastructure and Capacity for Evaluation and Policy	19
Scheele	Improving Classroom Air Quality in Schools Near the Port of Los Angeles: Results from a HEPA Air Cleaner Study	17
Sekar	Health Effects of Particulate Matter Air Pollution in India: A Systematic Review and Meta-Analysis Protocol	16
Sharma	Compounding socio-environmental health inequities: Simultaneous impacts of multiple air pollutants, temperature, and social stressors on pediatric seizures and epilepsy in New York City	18
Sheth	A Novel, Real-Time Tool to Track Hazardous Air Pollutants, Cumulative Health Effects, and Emission Sources in Houston	20
Shlipak	Ambient Air Quality and Health Impacts of PM _{2.5} from U.S. Residential Wood Combustion	17
Stathopoulos	Assessing Air Quality and Health Benefits of MHDV Fleet Conversion in Chicago Using Enhanced Emissions Modeling and Stakeholder Insights	18
Sugrue	Insights from the use of sub-daily PM _{2.5} in respiratory health analyses	19
Wesselink	A Prospective Cohort Study of Air Pollution and Postpartum Depression	19
Yao	Oxidative Potential and Toxicological Implications of Brake-Wear Particulate Emissions from Light- and Heavy-Duty Vehicles	20
Zhang	Investigating Impacts of Zero-Emission Truck Regulations on Tailpipe and Non-Tailpipe Air Pollutant Exposures and Health Risks in Southern California Communities	20