

2025

# Sustainability and Healthcare Research Database

Health and environmental sustainability are fundamentally connected and are essential for the livelihood of our communities. NYU Langone and NYU researchers have recognized this connection and have led by example through their academic studies on this topic. This Sustainability & Healthcare Research Database compiles their publications on the intersection of public health, sustainability, pollution, and climate change. This database serves as an educational resource that illustrates how hospitals can demonstrate leadership and allow research to drive meaningful changes in practice and care.

The impacts of climate change are becoming more apparent every day. 2023 was the planet's warmest year since global records began in 1850 and the 10 warmest years have all occurred during the last decade. Flooding, wildfires, heatwaves and other climate-related hazards are becoming more intense, longer and more frequent due to climate change. These hazards all carry significant health and economic impacts. Additionally, there has been an increase in the occurrence of more than one hazard at the same time that compounds the impact, such as heatwaves during wildfire smoke events or back-to-back heatwaves.

To view this database in an Excel file which will allow the user to sort and filter information, please download the file [here](#).

This database is managed by the NYU Langone Health Energy & Sustainability team.  
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# Categories

## 1. Climate Change

atmospheric drivers and healthcare's impact to climate change

## 2. Cost

expenditures and savings on sustainable procurement and behaviors

## 3. Education

literacy on climate change and health for clinicians, patients, and community

## 4. Exposure

health impacts, risks, and costs related to exposure

**a. Antibiotic:** bacterial resistance and impact to human health development

**b. Chemical:** endocrine-disrupting chemicals and elements exposure on the environment and health

**c. Occupational:** impacts of chemical and environmental exposure in the workplace

**d. Prenatal:** maternal-fetal impacts from chemical and environmental exposure

## 5. Food

production and consumption of food on health

**a. Accessibility:** opportunities and barriers to access healthy and affordable foods

**b. Diet:** health impacts of consumption patterns and plant-based diets

## 6. Physical & Mental Health

role of exercise and the environment on physical and mental health

## 7. Policy

outcomes and implications of policies on the environmental and health

## 8. Pollution

contaminants into the natural environment

**a. Air:** contributors, trends, and health impacts of air pollutants

**b. Chemical:** contributors, trends, and health impacts of chemical pollutants

**c. General:** regional and global impacts of pollution

**d. Noise:** contributors, trends, and health impacts of noise

## 9. Population Health

health status and outcomes within a group of people

## 10. Severe Weather

extreme weather impacts on operations, emergency management, and health

**a. Heat:** operational hazards and population health vulnerabilities of heat

**b. Hurricanes:** operational hazards and population health vulnerabilities of hurricanes

## 11. Transportation

access to transportation and safety implications

## 12. Urban Design

community design and planning's influence on health

## 13. Waste

environmental and cost impacts of hospital waste

# Academic Publications

## 1. Climate Change

### atmospheric drivers and healthcare's impact to climate change

Seasonality of adverse birth outcomes in women with and without HIV in a representative birth outcomes surveillance study in Botswana (2021)

Life Cycle Greenhouse Gas Emissions of Gastrointestinal Biopsies in a Surgical Pathology Laboratory (2021)

The Environmental Impact of Interventional Radiology: An Evaluation of Greenhouse Gas Emissions from an Academic Interventional Radiology Practice (2021)

The Green Print: Advancement of Environmental Sustainability in Healthcare (2020)

The Human Health Co-benefits of Air Quality Improvements Associated with Climate Change Mitigation (Book Chapter) (2020)

Environmental change and infectious diseases in the Mediterranean region and the world: an interpretive dialectical analysis (2020)

The Health Reframing of Climate Change and the Poverty of Narrow Bioethics (2020)

Effects of ambient temperature and humidity on kidney stone admissions in Brazil (2020)

Potential for industrial ecology to support healthcare sustainability: Scoping review of a fragmented literature and conceptual framework for future research (2019)

New York City Panel on Climate Change 2019 Report Chapter 7: Resilience Strategies for Critical Infrastructures and Their Interdependencies (2019)

Maximizing the Public Health Benefits from Climate Action (2018)

Climate Change, Global Health, and Nursing Scholarship (2017)

Constraining Future Summer Austral Jet Stream Positions in the CMIP5 Ensemble by Process-Oriented Multiple Diagnostic Regression (2016)

Environment, Global Climate Change, and Cardiopulmonary Health (2016)

Is the Brewer Dobson circulation increasing or moving upward? (2016)

Promoting resilience for food, energy, and water interdependencies (2016)

Challenges of Nurses' Deployment to Other New York City Hospitals in the Aftermath of Hurricane Sandy (2014)

Quantifying the Summertime Response of the Austral Jet Stream and Hadley Cell to Stratospheric Ozone and Greenhouse Gases (2014)

Introduction: Consequences of Global Warming to the Public's Health (2013)

Filtering a statistically exactly solvable test model for turbulent tracers from partial observations (2010)

## 2. Cost

### expenditures and savings on sustainable procurement and behaviors

Are Discount Rates Too High? Population Health and Intergenerational Equity (2021)

Utilizing off-the-shelf LCA methods to develop a 'triple bottom line' auditing tool for global cataract surgical services (2020)

Improving Value in Health Care Through Comprehensive Supply Optimization (2019)

Clinical Impact and Economic Burden of Hospital-Acquired Conditions Following Common Surgical Procedures (2018)

Carbon footprint and cost-effectiveness of cataract surgery (2016)

Health Care Expenditures Associated With Pollution: Exploratory Methods and Findings (2016)

Exposure to endocrine-disrupting chemicals in the USA: a population-based disease burden and cost analysis (2016)

Particulate Matter Exposure and Preterm Birth: Estimates of U.S. Attributable Burden and Economic Costs (2016)

Design and cost considerations for practical solar-hydrogen generators (2014)

### 3. Education

#### literacy on climate change and health for clinicians, patients, and community

Building Climate Change into Medical Education: A Society of General Internal Medicine Position Statement (2024)

A New Model of Learning: Environmental Health in a Global World (2023)

Addressing the Environmental Impact of Science Through a More Rigorous, Reproducible, and Sustainable Conduct of Research (2023)

Incorporating climate change into Doctor of Nursing Practice curricula (2022)

Ethical thinking in occupational and environmental medicine: Commentaries from the Selikoff Fund for Occupational and Environmental Cancer Research (2022)

Planetary Health Humanities-Responding to COVID Times (2021)

Pathways to Laboratory Sustainability: Green Lab Program, International Institute for Sustainable Laboratories (I2SL) and BETR Grants (2020)

Successful Implementation of Healthful Nutrition Initiatives into Hospitals (2020)

Survey of cataract surgeons' and nurses' attitudes toward operating room waste (2020)

The Healthy Eating and Living Against Noncommunicable Diseases Study: An Innovative Family-Based Intervention (2020)

Association between educational level and total and cause-specific mortality: a pooled analysis of over 694 000 individuals in the Asia Cohort Consortium (2019)

Nursing and midwifery advocacy to lead the United Nations Sustainable Development Agenda (2019)

Attitude of US obstetricians and gynaecologists to global warming and medical waste (2017)

A Survey of the American Society of Anesthesiologists Regarding Environmental Attitudes, Knowledge, and Organization (2016)

American Thoracic Society member survey on climate change and health (2015)

Improving Knowledge about Children's Environmental Health in Northwest China (2015)

A green paradox: Validating green choices has ironic effects on behavior, cognition, and perception (2014)

Translating knowledge about environmental health to practitioners: are we doing enough? (2010)

### 4(a). Exposure: Antibiotic

#### bacterial resistance and impact to human health development

The infectious disease trap of animal agriculture (2022)

Effects of early-life penicillin exposure on the gut microbiome and frontal cortex and amygdala gene expression (2021)

Antibiotic use and colorectal neoplasia: a systematic review and meta-analysis (2021)

Longitudinal Comparison of Bacterial Diversity and Antibiotic Resistance Genes in New York City Sewage (2019)

Prior antibiotic exposure and risk of type 2 diabetes among Veterans (2019)

Early Antibiotic Exposure and Weight Outcomes in Young Children (2018)

Intergenerational transfer of antibiotic-perturbed microbiota enhances colitis in susceptible mice (2018)

Impact of wastewater from different sources on the prevalence of antimicrobial-resistant *Escherichia coli* in sewage treatment plants in South India (2015)

## 4(b). Exposure: Chemical

### endocrine-disrupting chemicals and elements exposure on the environment and health

Oral Chromium Exposure and Toxicity (2025)

Exposure to the World Trade Center Particulate Matter Alters the Gut-Brain Axis in Early Onset Alzheimer's Disease Mice (2024)

Health Care Actions for Reducing Plastic Use and Pollution (2024)

Response to: Comments on "Exposures to pesticides and risk of cancer: Evaluation of recent epidemiological evidence in humans and paths forward" (2023)

Exposures to pesticides and risk of cancer: Evaluation of recent epidemiological evidence in humans and paths forward (2023)

Manganese and thyroid function in the national health and nutrition examination survey, 2011-2012 (2023)

Evaluating the Environmental Impact of Radiation Therapy Using Life Cycle Assessments: A Critical Review (2023)

Contaminant Metals and Cardiovascular Health (2023)

Toxic External Exposure Leading to Ocular Surface Injury (2023)

Exposures to pesticides and risk of cancer: Evaluation of recent epidemiological evidence in humans and paths forward (2023)

Exposure to Endocrine Disrupting Chemicals in Canada: Population-Based Estimates of Disease Burden and Economic Costs (2022)

Determinants of phthalate exposures in pregnant women in New York City (2022)

Prenatal Phthalate Exposure and Child Weight and Adiposity from in Utero to 6 Years of Age (2022)

Prenatal phthalates, gestational weight gain, and long-term weight changes among Mexican women (2022)

Screening of antimicrobials, fragrances, UV stabilizers, plasticizers and preservatives in sewage treatment plants (STPs) and their risk assessment in India (2022)

The evaluation of electrolyzed water, sodium dichloroisocyanurate, and peracetic acid with hydrogen peroxide for the disinfection of patient room surfaces (2022)

Unlocking India's Potential in Managing Endocrine-Disrupting Chemicals (EDCs): Importance, Challenges, and Opportunities (2022)

Screening of PCDDs/Fs and DL-PCBs by AhR-CALUX bioassay in bovine milk and environment ash from India (2022)

Global DNA Methylation Profiles in Peripheral Blood of WTC-Exposed Community Members with Breast Cancer (2022)

Exposure to metal mixtures and neuropsychological functioning in middle childhood (2022)

Screening of antimicrobials, fragrances, UV stabilizers, plasticizers and preservatives in sewage treatment plants (STPs) and their risk assessment in India (2022)

Characteristics of Cancers in Community Members Exposed to the World Trade Center Disaster at a Young Age (2022)

Women with high plasma levels of PBDE-47 are at increased risk of preterm birth (2021)

Carcinogenic biomarkers of exposure in the urine of heated tobacco product users associated with bladder cancer: A systematic review (2021)

Prenatal urinary concentrations of phthalate metabolites and behavioral problems in Mexican children: The Programming Research in Obesity, Growth Environment and Social Stress (PROGRESS) study (2021)

Organophosphate pesticide exposure: Demographic and dietary predictors in an urban pregnancy cohort (2021)

Systematic review of the relative concentrations of noroviruses and fecal indicator bacteria in wastewater: considerations for use in quantitative microbial risk assessment (2021)

Urinary phthalate metabolites and alternatives and serum sex steroid hormones among pre- and postmenopausal women from NHANES, 2013-16 (2021)

Breast cancer characteristics in the population of survivors participating in the world trade center environmental health center program 2002–2019 (2021)

Association Between Bisphenol A Exposure and Risk of All-Cause and Cause-Specific Mortality in US Adults (2020)

Associations between six common per- and polyfluoroalkyl substances and estrogens in neonates of China (2020)

Endocrine-disrupting chemicals: implications for human health (2020)

Post-exposure environment modulates long-term developmental ethanol effects on behavior, neuroanatomy, and cortical oscillations (2020)

Rewilding Nod2 and Atg16l1 Mutant Mice Uncovers Genetic and Environmental Contributions to Microbial Responses and Immune Cell Composition (2020)

A protocol for measuring the impact of a smoke-free housing policy on indoor tobacco smoke exposure (2019)

A Review of Biomonitoring of Phthalate Exposures (2019)

Blood Lead Screening and the Ongoing Challenge of Preventing Children's Exposure to Lead (2019)

Changes in arsenic exposure in Araihaazar, Bangladesh from 2001 through 2015 following a blanket well testing and education campaign (2019)

Early life and adolescent arsenic exposure from drinking water and blood pressure in adolescence (2019)

Exposure to non-persistent chemicals in consumer products and fecundability: a systematic review (2019)

Improving and Expanding Estimates of the Global Burden of Disease Due to Environmental Health Risk Factors (2019)

Mechanisms of Chromium-Induced Toxicity (2019)

Metals and Mechanisms of Carcinogenesis (2019)

Molecular and epigenetic mechanisms of Cr(VI)-induced carcinogenesis (2019)

Overview of known plastic packaging-associated chemicals and their hazards (2019)

Racial/ethnic disparities in disease burden and costs related to exposure to endocrine-disrupting chemicals in the United States: an exploratory analysis (2019)

Receptor for advanced glycation end-products and environmental exposure related obstructive airways disease: a systematic review (2019)

Review of arsenic toxicity, speciation and polyadenylation of canonical histones (2019)

Trends in neurodevelopmental disability burden due to early life chemical exposure in the USA from 2001 to 2016: A population-based disease burden and cost analysis (2019)

Urinary Bisphenols and Obesity Prevalence Among U.S. Children and Adolescents (2019)

Urinary Pesticide Levels in Children and Adolescents Residing in Two Agricultural Communities in Mexico (2019)

Persistent mental and physical health impact of exposure to the September 11, 2001 World Trade Center terrorist attacks (2019)

Adolescents exposed to the World Trade Center collapse have elevated serum dioxin and furan concentrations more than 12years later (2018)

Arsenic Exposure from Drinking Water and Urinary Metabolomics: Associations and Long-Term Reproducibility in Bangladesh Adults (2018)

Bisphenol and phthalate concentrations and its determinants among pregnant women in a population-based cohort in the Netherlands, 2004-5 (2018)

Environmental Toxicants: Human Exposures and Their Health Effects, Fourth Edition (2020)

Exposures to phthalates and bisphenols in pregnancy and postpartum weight gain in a population-based longitudinal birth cohort (2020)

Microplastics in house dust from 12 countries and associated human exposure (2020)

Multiomics of WTC-Particulate Induced Persistent Airway Hyperreactivity: Role of Receptor for Advanced Glycation End Products (2020)

Persistent organic pollutant exposure and celiac disease: A pilot study. (2020)

Phthalates, bisphenols, parabens, and triclocarban in feminine hygiene products from the United States and their implications for human exposure (2020)

Serially assessed bisphenol A and phthalate exposure and association with kidney function in children with chronic kidney disease in the US and Canada: A longitudinal cohort study (2020)

The ramapough lunaape nation: facing health impacts associated with proximity to a Superfund Site (2020)

Use of Tracer Elements for Estimating Community Exposure to Marcellus Shale Development Operations (2020)

Glyphosate exposures and kidney injury biomarkers in infants and young children (2020)

Impacts of food contact chemicals on human health: a consensus statement (2020)

Phthalates and Sex Steroid Hormones Among Men From NHANES, 2013-2016 (2020)

Determinants of Hair Manganese, Lead, Cadmium and Arsenic Levels in Environmentally Exposed Children (2018)

Diet-dependence of metabolic perturbations mediated by the endocrine disruptor tolylfluaniid (2018)

Elevated Concentrations of Bisphenols, Benzophenones, and Antimicrobials in Pantyhose Collected from Six Countries (2018)

Environmental Toxicant Exposure and Hypertensive Disorders of Pregnancy: Recent Findings (2018)

Exposure to bisphenol A, chlorophenols, benzophenones, and parabens in relation to reproductive hormones in healthy women: A chemical mixture approach (2018)

Food Additives and Child Health (2018)

Melamine and cyanuric acid exposure and kidney injury in US children (2018)

Phthalate and Organophosphate Plasticizers in Nail Polish: Evaluation of Labels and Ingredients (2018)

Renal Function and exposure to Bisphenol A and phthalates in children with Chronic Kidney Disease (2018)

Several household chemical exposures are associated with pediatric-onset multiple sclerosis (2018)

Tungsten or Wolfram: Friend or Foe? (2018)

Effect of polybrominated diphenyl ether congeners on placental cytokine production (2018)

A dose-response meta-analysis of chronic arsenic exposure and incident cardiovascular disease (2017)

Burden of disease resulting from lead exposure at toxic waste sites in Argentina, Mexico and Uruguay (2017)



- Dietary B Vitamin Intake Is Associated with Lower Urinary Monomethyl Arsenic and Oxidative Stress Marker 15-F 2t-Isoprostane among New Hampshire Adults (2017)
- Estimating the Prevalence of Toxic Waste Sites in Low- and Middle-Income Countries (2017)
- Exploring regrettable substitution: replacements for bisphenol A (2017)
- Exposure to benzophenone-3 and reproductive toxicity: A systematic review of human and animal studies (2017)
- Exposure to bisphenols and phthalates and association with oxidant stress, insulin resistance, and endothelial dysfunction in children (2017)
- Persistent Endocrine-Disrupting Chemicals and Fatty Liver Disease (2017)
- Scientific Challenges in the Risk Assessment of Food Contact Materials (2017)
- Systematic Review and Meta-Analysis of Early-Life Exposure to Bisphenol A and Obesity-Related Outcomes in Rodents (2017)
- Urine Arsenic and Arsenic Metabolites in U.S. Adults and Biomarkers of Inflammation, Oxidative Stress, and Endothelial Dysfunction: A Cross-Sectional Study (2017)
- Burden of disease and costs of exposure to endocrine disrupting chemicals in the European Union: an updated analysis (2016)
- Female Reproductive Disorders, Diseases, and Costs of Exposure to Endocrine Disrupting Chemicals in the European Union (2016)
- Migration of Parabens, Bisphenols, Benzophenone-Type UV Filters, Triclosan, and Triclocarban from Teethers and Its Implications for Infant Exposure (2016)
- Occurrence and estrogenic potency of eight bisphenol analogs in sewage sludge from the U.S. EPA targeted national sewage sludge survey (2016)
- Occurrence of phthalate diesters (phthalates), p-hydroxybenzoic acid esters (parabens), bisphenol A diglycidyl ether (BADGE) and their derivatives in indoor dust from Vietnam: Implications for exposure (2016)
- Peer-reviewed and unbiased research, rather than 'sound science', should be used to evaluate endocrine-disrupting chemicals (2016)
- Perchlorate and Diet: Human Exposures, Risks, and Mitigation Strategies (2016)
- Population attributable risks and costs of diabetogenic chemical exposures in the elderly (2016)
- Urinary Concentrations of Bisphenols and Their Association with Biomarkers of Oxidative Stress in People Living Near E-Waste Recycling Facilities in China (2016)
- Widespread occurrence of perchlorate in water, foodstuffs and human urine collected from Kuwait and its contribution to human exposure (2016)
- Estimating burden and disease costs of exposure to endocrine-disrupting chemicals in the European union (2015)
- Male reproductive disorders, diseases, and costs of exposure to endocrine-disrupting chemicals in the European union (2015)
- Neurobehavioral deficits, diseases, and associated costs of exposure to endocrine-disrupting chemicals in the European Union (2015)
- Obesity, diabetes, and associated costs of exposure to endocrine-disrupting chemicals in the European union (2015)
- Persistent organic pollutants and early menopause in U.S. women (2015)
- A Comparison of Burden of Disease from Toxic Waste Sites with other Recognized Public Health Threats in India, Indonesia and the Philippines (2014)
- A simplified risk-ranking system for prioritizing toxic pollution sites in low- and middle-income countries (2014)
- Metal Pollution in Nigeria: A Biomonitoring Update (2014)
- Notes from the Field: Severe Environmental Contamination and Elevated Blood Lead Levels Among Children — Zambia, 2014 (2014)
- The Environment and Children's Health Care in Northwest China (2014)
- The pediatric burden of disease from lead exposure at toxic waste sites in low and middle income countries (2014)
- A review of human exposure to polybrominated diphenyl ethers (PBDEs) in China (2013)
- Burden of disease from toxic waste sites in India, Indonesia, and the Philippines in 2010 (2013)
- The burden of disease from pediatric lead exposure at hazardous waste sites in 7 Asian countries (2013)
- Approaches to systematic assessment of environmental exposures posed at hazardous waste sites in the developing world: the Toxic Sites Identification Program (2012)
- Levels of bisphenol-A in thermal paper receipts from Belgium and estimation of human exposure (2012)
- Severe pollution of PCDD/Fs and dioxin-like PCBs in sediments from Lake Shihwa, Korea: tracking the source (2012)
- How developing nations can protect children from hazardous chemical exposures while sustaining economic growth (2011)
- Resetting our priorities in environmental health: an example from the South-North partnership in Lake Chapala, Mexico (2011)
- Widespread occurrence of bisphenol A in paper and paper products: implications for human exposure (2011)
- Epigenetics and the environment (2003)
- DNA-protein cross-links produced by various chemicals in cultured human lymphoma cells (1997)

## 4(c). Exposure: Occupational

### impacts of chemical and environmental exposure in the workplace

Association between World Trade Center disaster exposures and body mass index in community members enrolled at World Trade Center Environmental Health Center (2025)

Occupational Hazards of Orthopedic Surgery Exposures: Infection, Smoke, and Noise (2022)

Autoimmune conditions in the World Trade Center general responder cohort: A nested case-control and standardized incidence ratio analysis (2022)

Antimony and its compounds: Health impacts related to pulmonary toxicity, cancer, and genotoxicity (2020)

Association of low FVC spirometric pattern with WTC occupational exposures (2020)

Benzene exposure-response and risk of lymphoid neoplasms in Chinese workers: A multicenter case-cohort study (2020)

Food Intake Restriction for Health Outcome Support and Education (FIREHOUSE) Protocol: A Randomized Clinical Trial (2020)

Genomics of Particulate Matter Exposure Associated Cardiopulmonary Disease: A Narrative Review (2020)

World Trade Center Dust induces airway inflammation while promoting aortic endothelial dysfunction (2020)

Cardiovascular disease in the World Trade Center Health Program General Responder Cohort (2020)

Reduced radiation exposure in the cardiac catheterization laboratory with a novel vertical radiation shield (2020)

Case-Control Study of Paresthesia Among World Trade Center-Exposed Community Members (2020)

Abnormalities on Chest Computed Tomography and Lung Function Following an Intense Dust Exposure: A 17-Year Longitudinal Study (2019)

Assessing the Protective Metabolome Using Machine Learning in World Trade Center Particulate Exposed Firefighters at Risk for Lung Injury (2019)

Associations between asthma trigger reports, mental health conditions, and asthma morbidity among world trade center rescue and recovery workers (2019)

Environmental and Occupational Exposures in Kidney Disease (2019)

Prevention-intervention strategies to reduce exposure to e-waste (2018)

The Role of Iraqi Dust in Inducing Lung Injury in United States Soldiers-An Interdisciplinary Study (2017)

Associations between polycyclic aromatic hydrocarbon (PAH) exposure and oxidative stress in people living near e-waste recycling facilities in China (2016)

Occurrence of perchlorate and thiocyanate in human serum from e-waste recycling and reference sites in Vietnam: association with thyroid hormone and iodide levels (2014)

Exploratory Health Assessment of Chemical Exposures at E-Waste Recycling and Scrapyard Facility in Ghana (2013)

Rapid assessment of environmental health risks posed by mining operations in low- and middle-income countries: selected case studies (2012)

Assessing Worker and Environmental Chemical Exposure Risks at an e-Waste Recycling and Disposal Site in Accra, Ghana (2011)

Elevated concentrations of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans and polybrominated diphenyl ethers in hair from workers at an electronic waste recycling facility in eastern China (2011)

Understanding the chemical properties of macerals and minerals in coal and its potential application for occupational lung disease prevention (2008)



## 4(d). Exposure: Prenatal

### maternal-fetal impacts from chemical and environmental exposure

Prenatal polycyclic aromatic hydrocarbons exposure and child growth and adiposity: A longitudinal study (2025)

Prenatal Phenol and Paraben Exposures and Adverse Birth Outcomes: A Prospective Analysis of U.S. Births (2024)

Prenatal exposure to polybrominated diphenyl ethers and birth outcomes (2023)

Urinary phthalate metabolite mixtures in pregnancy and fetal growth: Findings from the infant development and the environment study (2022)

The Prenatal Neighborhood Environment and Geographic Hotspots of Infants with At-risk Birthweights in New York City (2022)

Prenatal phthalate exposure and placental telomere length (2022)

Exposure to polybrominated diphenyl ether-47 increases the risk of post-partum depression (2022)

Exploring the evidence for epigenetic regulation of environmental influences on child health across generations (2021)

Prenatal Exposure to Bisphenols and Phthalates and Postpartum Depression: The Role of Neurosteroid Hormone Disruption (2021)

A Comprehensive Assessment of Associations between Prenatal Phthalate Exposure and the Placental Transcriptomic Landscape (2021)

CoNaMad-Cohorte de Nacimiento de Madre de Dios/Madre de Dios Birth Cohort to Study Effects of in-utero Trace Metals Exposure in the Southern Peruvian Amazon (2021)

An examination of maternal prenatal BMI and human fetal brain development (2020)

Associations of maternal phthalate and bisphenol urine concentrations during pregnancy with childhood blood pressure in a population-based prospective cohort study (2020)

Concentrations of bisphenol A and its alternatives in paired maternal–fetal urine, serum and amniotic fluid from an e-waste dismantling area in China (2020)

Fetal exposure to bisphenols and phthalates and childhood bone mass: a population-based prospective cohort study (2020)

Persistent organic pollutants exposure in newborn dried blood spots and infant weight status: A case-control study of low-income Hispanic mother-infant pairs (2020)

Phthalate and Bisphenol Exposure during Pregnancy and Offspring Nonverbal IQ (2020)

Prenatal and postnatal mercury exposure and blood pressure in childhood (2020)

The NYU Children's Health and Environment Study (2020)

Women with high plasma levels of PBDE-47 are at increased risk of preterm birth (2020)

Environmental pollutant-induced cellular injury is reflected in exosomes from placental explants (2020)

Developmental programming: Sex-specific programming of growth upon prenatal bisphenol A exposure (2019)

Prenatal and early life exposures to ambient air pollution and development (2019)

An In Vitro Versus In Vivo Toxicogenomic Investigation of Prenatal Exposures to Tobacco Smoke (2018)

Cardiopulmonary consequences of gestational toxicant exposure: Symposium overview at the 56th annual SOT meeting, Baltimore, MD (2018)

Disruption in Thyroid Signaling Pathway: A Mechanism for the Effect of Endocrine-Disrupting Chemicals on Child Neurodevelopment (2018)

Exposure to fine and ultrafine particulate matter during gestation alters postnatal oligodendrocyte maturation, proliferation capacity, and myelination (2018)

Prenatal exposure to concentrated ambient particulates results in autism-like behavioral deficits in adult mice (2018)

Prenatal lead exposure and elevated blood pressure in children (2018)

Exploring prenatal outdoor air pollution, birth outcomes and neonatal health care utilization in a nationally representative sample (2013)

Effect of Early Particulate Air Pollution Exposure on Obesity in Mice Role of p47p (2010)

Prenatal allergen and diesel exhaust exposure and their effects on allergy in adult offspring mice (2010)

## 5(a). Food: Accessibility

### opportunities and barriers to access healthy and affordable foods

Food insecurity in high-risk rural communities before and during the COVID-19 pandemic (2024)

Equity-Promoting Strategies in Online Grocery Shopping: Recommendations Provided by Households of Low Income (2022)

Public Health Nutrition Deserves More Attention (2021)

Longitudinal Analysis of Neighborhood Food Environment and Diabetes Risk in the Veterans Administration Diabetes Risk Cohort (2021)

Assessing the role of access and price on the consumption of fruits and vegetables across New York City using agent-based modeling (2018)

Food environment does not predict self-reported SSB consumption in New York City: A cross sectional study (2018)

From farming to food systems: the evolution of US agricultural production and policy into the 21st century (2018)

Local foods in Maryland schools and implications for extension: Findings from schools and farmers (2018)

Routes of Transmission in the Food Chain (2017)

Small Convenience Stores and the Local Food Environment: An Analysis of Resident Shopping Behavior Using Multilevel Modeling (2016)

## 5(b). Food: Diet

### health impacts of consumption patterns and plant-based diets

Influence of the food environment on obesity risk in a large cohort of US veterans by community type (2024)

What do Climate Change, Nutrition, and the Environment Have to do With Mental Health? (2024)

Plant-based diets and urological health (2024)

Plant-based diets, animal agriculture, and the connection with urological and planetary health (2024)

Plant-based diet associated with better quality of life in prostate cancer survivors (2024)

The Plant-based Prescription: How Dietary Change Can Improve Both Urological and Planetary Health (2023)

Area Characteristics and Consumer Nutrition Environments in Restaurants: an Examination of Hispanic Caribbean Restaurants in New York City (2022)

Systematic review of the impact of a plant-based diet on prostate cancer incidence and outcomes (2022)

Systematic literature review of instruments that measure the healthfulness of food and beverages sold in informal food outlets (2022)

Ultra-processed Foods and Cardiovascular Diseases: Potential Mechanisms of Action (2021)

Engaging Ethnic Restaurants to Improve Community Nutrition Environments: A Qualitative Study with Hispanic Caribbean Restaurants in New York City (2020)

Plant-based diets for prevention and management of chronic kidney disease (2020)

Plant-Dominant Low-Protein Diet for Conservative Management of Chronic Kidney Disease (2020)

Trends and sociodemographic disparities in sugary drink consumption among adults in New York City, 2009-2017 (2020)

Healthful and less-healthful foods and drinks from storefront and non-storefront businesses: implications for 'food deserts', 'food swamps' and food-source disparities (2020)

Characterising urban immigrants' interactions with the food retail environment (2020)

Dietary Patterns in Chinese Americans are Associated with Cardiovascular Disease Risk Factors, the Chinese American Cardiovascular Health Assessment (CHA CHA) (2019)

Mediterranean Diet and the Association Between Air Pollution and Cardiovascular Disease Mortality Risk (2019)

The impact of early-life sub-therapeutic antibiotic treatment (STAT) on excessive weight is robust despite transfer of intestinal microbes (2019)

Anti-Inflammatory Effects of a Vegan Diet Versus the American Heart Association-Recommended Diet in Coronary Artery Disease Trial (2018)

Associations of Whole and Refined Grain Intakes with Adiposity-Related Cancer Risk in the Framingham Offspring Cohort (1991-2013) (2018)

Better diet quality is associated with lower odds of severe periodontitis in US Hispanics/Latinos (2018)

Changes in the Gut Microbiota of Urban Subjects during an Immersion in the Traditional Diet and Lifestyle of a Rainforest Village (2018)

Consumption of Sugars, Sugary Foods, and Sugary Beverages in Relation to Adiposity-Related Cancer Risk in the Framingham Offspring Cohort (1991-2013) (2018)

Food as Medicine for Secondary Prevention of Cardiovascular Events Following an Acute Coronary Syndrome (2018)

The rationale for a role for diet and nutrition in the prevention and treatment of cancer (2018)

Ultra-processed food consumption and excess weight among US adults (2018)

A plant-based diet for the prevention and treatment of type 2 diabetes (2017)

Community Priorities for Healthy Eating in Older Adults (2017)

## 6. Physical & Mental Health

### role of exercise and the environment on physical and mental health

Personal Strategies to Reduce the Cardiovascular Impacts of Environmental Exposures (2024)

Horticultural Therapy for Individuals Coping with Dementia: Practice Recommendations Informed by Related Non-Pharmacological Interventions (2024)

Passive exposure to e-cigarette emissions is associated with worsened mental health (2022)

Executive Function and BMI Trajectories Among Rural, Poor Youth at High Risk for Obesity (2021)

Secure human attachment can promote support for climate change mitigation (2021)

Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey (2021)

Impact of aeroplane noise on mental and physical health: a quasi-experimental analysis (2021)

Advanced Glycation End Products: Building on the Concept of the "Common Soil" in Metabolic Disease (2020)

Childhood Obesity and the Food Environment: A Population Based Sample of Public School Children in New York City (2020)

Health behaviours during the coronavirus disease 2019 pandemic: implications for obesity (2020)

Perspectives on the role of exercise in the treatment of pediatric type 1 diabetes (2020)

Mental Health Among Children Older than 10 Years Exposed to the Haiti 2010 Earthquake: a Critical Review (2020)

Understanding childhood obesity in the US: the NIH environmental influences on child health outcomes (ECHO) program (2019)

Challenges and Resources for Nurses Participating in a Hurricane Sandy Hospital Evacuation (2017)

Correlates of Trail Use for Recreation and Transportation on 5 Massachusetts Trails (2015)

Early physical victimization is a risk factor for posttraumatic stress disorder symptoms among Mississippi police and firefighter first responders to Hurricane Katrina (2014)

## 7. Policy

### outcomes and implications of policies on the environmental and health

Beyond traffic jam alleviation: evaluating the health and health equity impacts of New York City's congestion pricing plan (2024)

A global plastics treaty to protect endocrine health (2022)

Endocrine disruptor global policy (2021)

Endocrine-disrupting chemicals: economic, regulatory, and policy implications (2020)

Shifting Priorities: Participatory Budgeting in New York City is Associated with Increased Investments in Schools, Street and Traffic Improvements, and Public Housing (2020)

Evaluation of Secondhand Smoke Exposure in New York City Public Housing After Implementation of the 2018 Federal Smoke-Free Housing Policy (2020)

State Preemption of Food and Nutrition Policies and Litigation: Undermining Government's Role in Public Health (2019)

Realizing the Paris Climate Agreement to Improve Cardiopulmonary Health. Where Science Meets Policy (2018)

Time to Track Health Outcomes of Smoke-Free Multiunit Housing (2018)

Comparison of methods for calculating the health costs of endocrine disruptors: a case study on triclosan (2017)

When enough data are not enough to enact policy: The failure to ban chlorpyrifos (2017)

The Measurement of Subjective Value and Its Relation to Contingent Valuation and Environmental Public Goods (2015)

Economic impacts of environmentally attributable childhood health outcomes in the European Union (2013)

Particulate matter (PM) air pollution and health: regulatory and policy implication (2011)

A qualitative analysis of environmental policy and children's health in Mexico (2010)

## 8a. Pollution: Air

### contributors, trends, and health impacts of air pollutants

A review of air pollution as a driver of cardiovascular disease risk across the diabetes spectrum (2024)

Ambient Air Pollution and Depressed Mood in the National Longitudinal Study of Adolescent to Adult Health (Add Health) Wave IV (2024)

Indoor Air Sources of Outdoor Air Pollution: Health Consequences, Policy, and Recommendations: An Official American Thoracic Society Workshop Report (2024)

Clearing the Air to Address Pollution's Cardiovascular Health Crisis (2024)

Early-life air pollution and green space exposures as determinants of stunting among children under age five in Sub-Saharan Africa (2024)

PM2.5 and cardiovascular diseases: State-of-the-Art review (2023)

Gaps and future directions in research on health effects of air pollution (2023)

Particulate matter concentration and composition in the New York City subway system (2023)

PM2.5 and Cardiovascular Health Risks (2023)

Residential mobility in pregnancy and potential exposure misclassification of air pollution, temperature, and greenness (2023)

Protecting Cardiovascular Health From Wildfire Smoke (2022)

Comparison of Operating Room Air Quality in Primary Versus Revision Total Knee Arthroplasty (2022)

PM2.5 exposure during pregnancy is associated with altered placental expression of lipid metabolic genes in a US birth cohort (2022)

Role of Operating Room Size on Air Quality in Primary Total Hip Arthroplasty (2022)

A hybrid satellite and land use regression model of source-specific PM2.5 and PM2.5 constituents (2022)

Environmental Impact of Prostate Magnetic Resonance Imaging and Transrectal Ultrasound Guided Prostate Biopsy (2022)

A hybrid satellite and land use regression model of source-specific PM2.5 and PM2.5 constituents (2022)

Mortality of Enlisted Men Who Served on Nuclear-Powered Submarines in the United States Navy (2022)

Measuring students' exposure to particulate matter (PM) pollution across microenvironments and seasons using personal air monitors (2022)

Respiratory Emergency Department Visits Associations with Exposures to PM2.5 Mass, Constituents, and Sources in Dhaka, Bangladesh Air Pollution (2022)

Portable air cleaner use and biomarkers of inflammation: A systematic review and meta-analysis (2022)	PM2.5 air pollution and cause-specific cardiovascular disease mortality (2020)
PM2.5 Concentration and Composition in Subway Systems in the Northeastern United States (2021)	Review: Woodsmoke and emerging issues (2020)
Personal Interventions to Reduce Exposure to Outdoor Air Pollution (2021)	The Need for a Tighter Particulate-Matter Air-Quality Standard (2020)
Clean Air, Smart Cities, Healthy Hearts: Action on Air Pollution for Cardiovascular Health (2021)	Toxicity of particles emitted by fireworks (2020)
Tobacco smoke exposure and fractional exhaled nitric oxide levels among U.S. adolescents (2021)	Carcinogen Biomarkers in the Urine of Electronic Cigarette Users and Implications for the Development of Bladder Cancer: A Systematic Review (2020)
Communicating respiratory health risk among children using a global air quality index (2021)	Exposure assessment of emissions from mobile food carts on New York City streets (2020)
Lung Cancer Characteristics in the World Trade Center Environmental Health Center (2021)	A land use regression model of nitrogen dioxide and fine particulate matter in a complex urban core in Lanzhou, China (2019)
Evidence of air pollution exposure and new asthma onset: further justification for cleaner air (2021)	Advancing environmental exposure assessment science to benefit society (2019)
Cardiovascular morbidity and mortality associations with biomass- and fossil-fuel-combustion fine-particulate-matter exposures in Dhaka, Bangladesh (2021)	Air Pollution and Non-Communicable Diseases: A Review by the Forum of International Respiratory Societies' Environmental Committee, Part 1: The damaging effects of air pollution (2019)
Air pollution and hippocampal atrophy in first episode schizophrenia (2020)	Air Pollution Monitoring for Health Research and Patient Care. An Official American Thoracic Society Workshop Report (2019)
Assessing the PM2.5 impact of biomass combustion in megacity Dhaka, Bangladesh (2020)	Air Pollution, Oxidative Stress, and Diabetes: a Life Course Epidemiologic Perspective (2019)
Cardiopulmonary Impact of Particulate Air Pollution in High-Risk Populations: JACC State-of-the-Art Review (2020)	Association Between Outdoor Air Pollution Levels and Inpatient Outcomes in Pediatric Pneumonia Hospitalizations, 2007 to 2008 (2019)
Characteristics of Cancer Patients in the World Trade Center Environmental Health Center (2020)	Association of Exposure to Ambient Air Pollution With Thyroid Function During Pregnancy (2019)
Characterization of Persistent Uncontrolled Asthma Symptoms in Community Members Exposed to World Trade Center Dust and Fumes (2020)	Effects of exposure to direct and secondhand hookah and e-cigarette aerosols on ambient air quality and cardiopulmonary health in adults and children: protocol for a panel study (2019)
Effects of Home Particulate Air Filtration on Blood Pressure: A Systematic Review (2020)	Exposure to air pollution is associated with adverse cardiopulmonary health effects in international travelers (2019)
Evaluating the U.S. Air Quality Index as a risk communication tool: Comparing associations of index values with respiratory morbidity among adults in California (2020)	Exposure to Greater Air Pollution when Traveling Abroad Is Associated with Decreased Lung Function (2019)
Exposure assessment of emissions from mobile food carts on New York City streets (2020)	Implementation of clean cookstove interventions and its effects on blood pressure in low-income and middle-income countries: systematic review (2019)
Gene-Environment Interaction between the IL1RN Variants and Childhood Environmental Tobacco Smoke Exposure in Asthma Risk (2020)	Incense Burning is Associated with Human Oral Microbiota Composition (2019)
Genome-Wide DNA Methylation Profiles in Community Members Exposed to the World Trade Center Disaster (2020)	Land use regression study in Lanzhou, China: A pilot sampling and spatial characteristics of pilot sampling sites (2019)
Green-gional' anesthesia: the non-polluting benefits of regional anesthesia to decrease greenhouse gases and attenuate climate change (2020)	Long-Term Exposure to Ozone and Cause-Specific Mortality Risk in the United States (2019)
Outdoor air pollution and cancer: An overview of the current evidence and public health recommendations (2020)	Mapping urban air quality using mobile sampling with low-cost sensors and machine learning in Seoul, South Korea (2019)
Outdoor Air Pollution and New-Onset Airway Disease. An Official American Thoracic Society Workshop Report (2020)	



- Metabolic Syndrome and Air Pollution: A Narrative Review of Their Cardiopulmonary Effects (2019)
- Trends in Excess Morbidity and Mortality Associated with Air Pollution above American Thoracic Society-Recommended Standards, 2008-2017 (2019)
- A Novel Environmental Justice Indicator for Managing Local Air Pollution (2018)
- Air Pollution Exposure with Fine Dust. Responses in the Pulmonary Vasculature and the Right Heart (2018)
- Air pollution health research priorities for India: Perspectives of the Indo-U.S. Communities of Researchers (2018)
- Air pollution, weight loss and metabolic benefits of bariatric surgery: a potential model for study of metabolic effects of environmental exposures (2018)
- Assessing air quality index awareness and use in Mexico City (2018)
- Association between long-term exposure to ambient air pollution and diabetes mortality in the US (2018)
- Cardiometabolic profiles of adolescents and young adults exposed to the World Trade Center Disaster (2018)
- Comparing associations of respiratory risk for the EPA Air Quality Index and health-based air quality indices (2018)
- Does air pollution contribute to travelers' illness and deaths?-evidence from a case report and need for further studies (2018)
- Exposure to Environmental Tobacco Smoke in Relation to Behavioral, Emotional, Social and Health Indicators of Slovak School Children (2018)
- Global estimates of mortality associated with long-term exposure to outdoor fine particulate matter (2018)
- Non-Cardiac Chest Pain: A Review of Environmental Exposure-Associated Comorbidities and Biomarkers (2018)
- Recent spatial gradients and time trends in Dhaka, Bangladesh, air pollution and their human health implications (2018)
- Strategies to Reduce Greenhouse Gas Emissions from Laparoscopic Surgery (2018)
- Temporal variations of fine and coarse particulate matter sources in Jeddah, Saudi Arabia (2018)
- Walking to a pathway for cardiovascular effects of air pollution (2018)
- American pediatric Society's 2017 John Howland award acceptance lecture: A tale of two toxicants-childhood exposure to lead and tobacco (2017)
- An evaluation of the health benefits achieved at the time of an air quality intervention in three Israeli cities (2017)
- Association between Exposure to Ambient Air Particulates and Metabolic Syndrome Components in a Saudi Arabian Population (2017)
- Chemokine (C-C Motif) Receptor-Like 2 is not essential for lung injury, lung inflammation, or airway hyperresponsiveness induced by acute exposure to ozone (2017)
- Estimated Excess Morbidity and Mortality Associated with Air Pollution above American Thoracic Society-recommended Standards, 2013–2015. American Thoracic Society and Marron Institute Report (2017)
- Examining the contributions of environmental quality to pediatric multiple sclerosis (2017)
- Exposure to Ambient Particulate Matter during Specific Gestational Periods Produces Adverse Obstetric Consequences in Mice (2017)
- Post-Effect of Air Quality Improvement on Biomarkers for Systemic Inflammation and Microparticles in Asthma Patients After the 2008 Beijing Olympic Games: a Pilot Study (2017)
- We Need to "Think Different" about Particulate Matter (2017)
- Ambient particulate matter air pollution and cardiopulmonary diseases (2016)
- Ambient Particulate Matter Air Pollution Exposure and Mortality in the NIH-AARP Diet and Health Cohort (2016)
- Ischemic Heart Disease Mortality and Long-Term Exposure to Source-Related Components of U.S. Fine Particle Air Pollution (2016)
- Airborne Particulate Matter in Two Multi-Family Green Buildings: Concentrations and Effect of Ventilation and Occupant Behavior (2016)
- Indoor air pollution exposure from use of indoor stoves and fireplaces in association with breast cancer: a case-control study (2015)
- Noninvasive effects measurements for air pollution human studies: methods, analysis, and implications (2015)
- Repeated measures of inflammation, blood pressure, and heart rate variability associated with traffic exposures in healthy adults (2015)
- Dust events, pulmonary diseases and immune system (2014)
- Interleukin 13– and interleukin 17A–induced pulmonary hypertension phenotype due to inhalation of antigen and fine particles from air pollution (2014)
- Perspective: ambient air pollution: inflammatory response and effects on the lung's vasculature (2014)
- Experimental human exposure to air pollutants is essential to understand adverse health effects (2013)
- Harnessing genomics to identify environmental determinants of heritable disease (2013)
- Inflammatory response to fine particulate air pollution exposure: neutrophil versus monocyte (2013)
- Particulate matter neurotoxicity in culture is size-dependent (2013)



Spatial analysis of air pollution and mortality in California (2013)

Association of systemic inflammation with marked changes in particulate air pollution in Beijing in 2008 (2012)

Exposure assessment for estimation of the global burden of disease attributable to outdoor air pollution (2012)

Impact of Covariate Models on the Assessment of the Air Pollution-Mortality Association in a Single- and Multipollutant Context (2012)

Pulmonary T cell activation in response to chronic particulate air pollution (2012)

A Source Apportionment of U.S. Fine Particulate Matter Air Pollution (2011)

Distributed lag analyses of daily hospital admissions and source-apportioned fine particle air pollution (2011)

Fine particulate matter constituents associated with cardiovascular hospitalizations and mortality in New York City (2011)

Fine particulate matter pollution linked to respiratory illness in infants and increased hospital cost (2011)

Long-term Exposure to Ambient Fine Particulate Pollution Induces Insulin Resistance and Mitochondrial Alteration in Adipose Tissue (2011)

Noise, air pollutants and traffic: Continuous measurement and correlation at a high-traffic location in New York City (2011)

Personal Exposures to Traffic-Related Air Pollution and Acute Respiratory Health Among Bronx School Children with Asthma (2011)

Spatial and seasonal distribution of aerosol chemical components in New York City: (2) road dust and other tracers of traffic-generated air pollution (2011)

The Effects of Outdoor Air Pollutants on the Costs of Pediatric Asthma Hospitalizations in the United States, 1999 to 2007 (2011)

Age-related association of fine particles and ozone with severe acute asthma in New York City (2010)

Airborne particulate matter selectively activates endoplasmic reticulum stress response in the lung and liver tissues (2010)

Association of ambient fine particles with out-of-hospital cardiac arrests in New York City (2010)

Personal exposures to traffic-related particle pollution among children with asthma in the South Bronx, NY (2010)

Airport-related air pollution and noise (2008)

Characterization of PM<sub>2.5</sub>, gaseous pollutants, and meteorological interactions in the context of time-series health effects models (2007)

Airborne particulate-associated polyaromatic hydrocarbons, n-alkanes, elemental and organic carbon in three European cities (2002)

## 8(b). Pollution: Chemical

### contributors, trends, and health impacts of chemical pollutants

Endocrine-disrupting chemicals: Mainstream recognition of health effects and implications for the practicing internist (2024)

The Pediatrician's Role in Protecting Children from Environmental Hazards (2022)

Remediation of poly- and perfluoroalkyl substances (PFAS) contaminated soils - To mobilize or to immobilize or to degrade? (2021)

Organophosphate pesticides and progression of chronic kidney disease among children: A prospective cohort study (2021)

Arsenic Methyltransferase and Methylation of Inorganic Arsenic (2020)

Mass flows and removal of eight bisphenol analogs, bisphenol A diglycidyl ether and its derivatives in two wastewater treatment plants in New York State, USA (2018)

Occurrence and distribution of organophosphate flame retardants (OPFRs) in soil and outdoor settled dust from a multi-waste recycling area in China (2018)

Mass loading and emission of benzophenone-3 (BP-3) and its derivatives in wastewater treatment plants in New York State, USA (2017)

Mass loading and removal of pharmaceuticals and personal care products including psychoactives, antihypertensives, and antibiotics in two sewage treatment plants in southern India (2017)

Occurrence, Removal, and Environmental Emission of Organophosphate Flame Retardants/Plasticizers in a Wastewater Treatment Plant in New York State (2017)

Polybrominated Diphenyl Ethers (PBDEs) in Surface Soils across Five Asian Countries: Levels, Spatial Distribution, and Source Contribution (2016)

Occurrence of endocrine-disrupting phenols and estrogens in water and sediment of the Songhua river, northeastern China (2014)

Occurrence of PBDEs and other alternative brominated flame retardants in sludge from wastewater treatment plants in Korea (2014)

Nitrate signaling: adaptation to fluctuating environments (2010)

Survey of cyclic and linear siloxanes in sediment from the Songhua River and in sewage sludge from wastewater treatment plants, Northeastern China (2010)

## 8(c). Pollution: General

### regional and global impacts of pollution

A mass-balance model to assess arsenic exposure from multiple wells in Bangladesh (2022)

PBMC gene expression profiles of female Bangladeshi adults chronically exposed to arsenic-contaminated drinking water (2020)

Reducing Pollution From the Health Care Industry (2019)

Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017 (2018)

Pollution and Global Health – An Agenda for Prevention (2018)

Pollution and non-communicable disease: time to end the neglect (2018)

Protecting communities by remediating polluted sites worldwide (2016)

The problem of publication-pollution denialism (2015)

## 8(d). Pollution: Noise

### contributors, trends, and health impacts of noise

Noise Exposure and Cardiovascular Health (2023)

Ambient Stimuli Perpetuate Nighttime Sleep Disturbances in Hospital Patients With TBI (2021)

Environmental noise degrades hippocampus-related learning and memory (2020)

MH-ICP-MS Analysis of the Freshwater and Saltwater Environmental Resources of Upolu Island, Samoa (2020)

Occurrence and distribution of melamine and its derivatives in surface water, drinking water, precipitation, wastewater, and swimming pool water (2020)

SONYC: A System for the Monitoring, Analysis and Mitigation of Urban Noise Pollution (2019)

The Life of a New York City Noise Sensor Network (2019)

Malignant human cell transformation of Marcellus Shale gas drilling flow back water (2015)

Brooklyn atlantis: A robotic platform for environmental monitoring with community participation (2014)

## 9. Population Health

### health status and outcomes within a group of people

- Satellite data for environmental justice: a scoping review of the literature in the United States (2024)
- Traffic-related air pollution in marginalized neighborhoods: a community perspective (2024)
- The Creation of a Multidomain Neighborhood Environmental Vulnerability Index Across New York City (2023)
- Impact of land use and food environment on risk of type 2 diabetes: A national study of veterans, 2008-2018 (2022)
- Neighborhood walkability and sex steroid hormone levels in women (2022)
- Spatial environmental factors predict cardiovascular and all-cause mortality: Results of the SPACE study (2022)
- Environmental Influences on the Human Microbiome and Implications for Noncommunicable Disease (2021)
- Social and Economic Differences in Neighborhood Walkability Across 500 U.S. Cities (2021)
- Associations of Neighborhood Factors and Activity Behaviors: The Mediators of Atherosclerosis in South Asians Living in America (MASALA) Study (2021)
- A Systematic Review of Environmental Health Outcomes in Selected American Indian and Alaska Native Populations (2020)
- Applying a Population Health Equity Framework in the Clinical Setting—Incorporating Social and Behavioral Determinants of Health Into Estimations of Risk (2020)
- Community Health Needs Predict Population Health Partnerships Among U.S. Children's Hospitals (2020)
- Community Health Workers and Covid-19 - Addressing Social Determinants of Health in Times of Crisis and Beyond (2020)
- Leveraging Population Health Expertise to Enhance Community Benefit (2020)
- Quantifying Health Systems' Investment In Social Determinants Of Health, By Sector, 2017-19 (2020)
- A family of partial-linear single-index models for analyzing complex environmental exposures with continuous, categorical, time-to-event, and longitudinal health outcomes (2020)
- Barriers to optimal health and accessing health services for homeless children younger than 5 years of age: a narrative review (2019)
- Screening and Referral for Low-Income Families' Social Determinants of Health by US Pediatricians (2019)
- Spatial Enablement to Support Environmental, Demographic, Socioeconomics, and Health Data Integration and Analysis for Big Cities: A Case Study With Asthma Hospitalizations in New York City (2019)
- The Influence of Tobacco Retailer Density and Poverty on Tobacco Use in a Densely Populated Urban Environment (2019)
- The UAE healthy future study: a pilot for a prospective cohort study of 20,000 United Arab Emirates nationals (2018)
- A phenomenological understanding of residents' emotional distress of living in an environmental justice community (2017)
- Parental Psychological Distress and Family Food Insecurity: Sad Dads in Hungry Homes (2017)
- A review of potable water accessibility and sustainability issues in developing countries - case study of Uganda (2014)
- Recommendations for implementing policy, systems, and environmental improvements to address chronic diseases in Asian Americans, Native Hawaiians, and Pacific Islanders (2014)
- Improving Population Health in US Cities (2013)
- Birth weight, infant mortality, and race: twin comparisons and genetic/environmental inputs (2012)
- Global Cardiovascular Health: Urgent Need for an Intersectoral Approach (2011)

## 10(a). Severe Weather: Heat

### operational hazards and population health vulnerabilities of heat

Exceeding the limits of paediatric heat stress tolerance: the risk of losing a generation to climate inaction (2025)

Ambient temperature, heat stress and fetal growth: A review of placenta-mediated mechanisms (2023)

Cumulative exposure to extreme heat and trajectories of cognitive decline among older adults in the USA (2023)

Disordered autonomic function during exposure to moderate heat or exercise in a mouse model of Dravet syndrome (2021)

## 10(b). Severe Weather: Hurricanes

### operational hazards and population health vulnerabilities of hurricanes

Weathering the Storm: How Superstorm Sandy Shaped the Response to COVID-19 (2020)

Hurricanes and healthcare: A case report on the influences of Hurricane Maria and managed Medicare in treating a Puerto Rican resident (2019)

Access to Care for VA Dialysis Patients During Superstorm Sandy (2019)

Quality Assurance after a Natural Disaster: Lessons from Hurricane Sandy (2018)

Vulnerability of Older Adults in Disasters: Emergency Department Utilization by Geriatric Patients after Hurricane Sandy (2018)

Disaster management (2018)

Observation Services Linked with an Urgent Care Center in the Absence of an Emergency Department: An Innovative Mechanism to Initiate Efficient Health Care Delivery in the Aftermath of a Natural Disaster (2016)

Freestanding Emergency Critical Care during the Aftermath of Hurricane Sandy: Implications for Disaster Preparedness and Response (2016)

Redistribution of emergency department patients after disaster-related closures of a public versus private hospital in New York City (2015)

Challenges of nurses' deployment to other New York city hospitals in the aftermath of hurricane Sandy (2014)

## 11. Transportation

### access to transportation and safety implications

Emissions of nitrogen dioxide in the northeast U.S. during the 2020 COVID-19 lockdown (2022)

Investigation of a river-tunnel effect on PM2.5 concentrations in New York City subway stations (2022)

Injuries associated with electric-powered bikes and scooters: analysis of US consumer product data (2020)

Urban Cycling Expansion is Associated with an Increased Number of Clavicle Fractures (2020)

The Reality of Accessing Transportation for Health Care in New York City (2019)

Factors influencing modes of transport and travel time for obstetric care: a mixed methods study in Zambia and Uganda (2016)

Helmet efficacy against concussion and traumatic brain injury: a review (2016)

National Safe Routes to School program and risk of school-age pedestrian and bicyclist injury (2016)

Association of the Safe Routes to School program with school-age pedestrian and bicyclist injury risk in Texas (2015)

Bicycle helmets are highly protective against traumatic brain injury within a dense urban setting (2015)

Does Bus Rapid Transit Promote Walking? An Examination of New York City's Select Bus Service (2014)

Share of mass transit miles traveled and reduced motor vehicle fatalities in major cities of the United States (2014)

Aesthetic amenities and safety hazards associated with walking and bicycling for transportation in New York City (2013)

Transportation to clinic: findings from a pilot clinic-based survey of low-income suburbanites (2012)

## 12. Urban Design

### community design and planning's influence on health

Built environment and chronic kidney disease: current state and future directions (2025)

Impact of Park Redesign and Renovation on Children's Health-Related Quality of Life (2025)

The association between cumulative exposure to neighborhood walkability (NW) and diabetes risk, a prospective cohort study (2024)

Prenatal exposure to residential greenness, fetal growth, and birth outcomes: a cohort study in New York City (2024)

Life Expectancy and Built Environments in the U.S.: A Multilevel Analysis (2023)

Hypothesis: Urbanization and exposure to urban heat islands contribute to increasing prevalence of kidney stones (2022)

Adoption of community monitoring improves common pool resource management across contexts (2021)

Initial Mapping of the New York City Wastewater Virome (2020)

Park Proximity and Use for Physical Activity among Urban Residents: Associations with Mental Health (2020)

Development of a Neighborhood Walkability Index for Studying Neighborhood Physical Activity Contexts in Communities across the U.S. over the Past Three Decades (2019)

Neighborhood Commute to Work Times and Self-Reported Caregiver Health Behaviors and Food Access (2019)

A network framework for dynamic models of urban food, energy and water systems (FEWS) (2017)

Evaluating the Life Cycle Environmental Benefits and Trade-Offs of Water Reuse Systems for Net-Zero Buildings (2017)

Neighborhood walk score and selected Cardiometabolic factors in the French RECORD cohort study (2017)

Physical Environment Correlates of Physical Activity in Developing Countries: A Review (2017)

The Physical Activity and Redesigned Community Spaces (PARCS) Study: Protocol of a natural experiment to investigate the impact of citywide park redesign and renovation (2016)

Walk Score, Transportation Mode Choice, and Walking Among French Adults: A GPS, Accelerometer, and Mobility Survey Study (2016)

Built environmental correlates of physical activity in China: A review (2015)

Children's active commuting to school: an interplay of self-efficacy, social economic disadvantage, and environmental characteristics (2015)

Agriculture in urban and peri-urban areas in the United States: Highlights from the Census of Agriculture (2014)

The impact of neighborhood park access and quality on body mass index among adults in New York City (2014)

Housing and Child Health (2013)

Integrating Grey and Green Infrastructure to Improve the Health and Well-being of Urban Populations (2012)

Roundtable on Urban Living Environment Research (RULER) (2011)

Urban planning and health equity (2011)

## 13. Waste

### environmental and cost impacts of hospital waste

Waste and Greenhouse Gas Emissions Produced from Ophthalmic Surgeries: A Scoping Review (2025)

The Environmental Impacts of Electronic Medical Records Versus Paper Records at a Large Eye Hospital in India: Life Cycle Assessment Study (2024)

A Life Cycle Assessment of Reusable and Disposable Surgical Caps (2024)

A Comparison of Environmental Impacts Between Reusable and Disposable Flexible Laryngoscopes (2024)

Analysis of intraocular lens packaging weight and waste (2024)

Practical steps to green your endoscopy unit: appropriate management of endoscopic waste (2024)

Waste audits in healthcare: A systematic review and description of best practices (2023)

Conservation Practices for Personal Protective Equipment: A Systematic Review with Focus on Lower-Income Countries (2023)

Sustainable Purchasing Practices: A Comparison of Single-use and Reusable Pulse Oximeters in the Emergency Department (2023)

What a Waste! The Impact of Unused Surgical Supplies in Hand Surgery and How We Can Improve (2022)

What Would It Mean for Health Care Organizations to Justly Manage Their Waste? (2022)

Life Cycle Assessment in Orthopedics (2022)	Supply Chain Optimization and Waste Reduction-Reply (2020)
Differences in reuse of cataract surgical supplies and pharmaceuticals based on type of surgical facility (2022)	Quantification of the Cost and Potential Environmental Effects of Unused Pharmaceutical Products in Cataract Surgery (2019)
Waste generation and carbon emissions of a hospital kitchen in the US: Potential for waste diversion and carbon reductions (2021)	Is the US health care system wasteful and inefficient? A review of the evidence (2018)
Improving productivity, costs and environmental impact in International Eye Health Services: using the 'Eyeefficiency' cataract surgical services auditing tool to assess the value of cataract surgical services (2021)	Waste generated during glaucoma surgery: A comparison of two global facilities (2018)
Dumpster Diving in the Emergency Department (2020)	Cataract surgery and environmental sustainability: Waste and lifecycle assessment of phacoemulsification at a private healthcare facility (2017)
Environmentally Responsible Hand Surgery: Past, Present, and Future (2020)	Minimal Custom Pack Design and Wide-Awake Hand Surgery: Reducing Waste and Spending in the Orthopedic Operating Room (2017)
The Association between Needle Size and Waste Product and Its Effect on Cost-Effectiveness of Botulinum Toxin Injections? (2020)	Orthopedic Implant Waste: Analysis and Quantification (2015)
Transforming The Medical Device Industry: Road Map To A Circular Economy (2020)	Sustainable healthcare and environmental life-cycle impacts of disposable supplies: a focus on disposable custom packs (2015)

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