

Faculty Fellowships

- Dr. Frank Curriero (Department of Biostatistics) to build a unified spatial analysis and GIS educational resource within the tracking center for affiliated faculty, students, staff and state and local partner agencies.
- Dr. Janet DiPietro – (Department of Population and Family Health Sciences) to foster understanding of child developmental methods and constructs in the research and training of the Center's affiliated faculty, students, and state and local partner agencies.
- Dr. Francesca Dominici (Department of Biostatistics) to develop a national methodology and statistical tools for assessing whether or not a threshold exists for environmental hazards. The methods will initially be applied to a national multi-site time series study of ozone and mortality, although the methodology will also be applicable for other pollutants, environmental exposures and disease outcomes
- Dr. Norma Kanarek (Department of Environmental Health Sciences) to use epidemiological principles to guide statistical assessment, definition, and investigation of local cancer excesses in Maryland.

Doctoral Student Tracking Fellowships

A Spatial Distribution of Arsenic in Maryland Groundwater and Potential for Tracking Human Health Effects

Robin Streeter (Epidemiology) is studying the relationship between arsenic in groundwater and bladder and lung cancer. She will conduct a probabilistic risk assessment and will use spatial methods to establish the linkage between exposure and cancer risk.

B. Arsenic Exposure, Myocardial Infarction and Diabetes in Washington County, Maryland

Ana Navas Acien (Epidemiology) is investigating the association of arsenic exposure and myocardial infarction and diabetes. She will use biomarkers of exposure to conduct a nested case-control study.

C. Prenatal Exposure to PCBs (Polychlorinated Biphenyls) and PBDEs (Polybrominated Diphenyl Oxides), Thyroid Hormone Status, and Infant Birth Outcomes

Julie Herbstman (Epidemiology) is examining the health effects associated with prenatal exposure to polybrominated diphenyl ethers. Establishing this link through

an epidemiologic investigation, surveillance indicators will be evaluated for monitoring infant exposure.

D. A Scientific Framework for Evaluating Children's Environmental Public Health Indicators: A Case Study Analysis

Kristen Chossek-Malecki (Health Policy and Management) is examining the methodologies for evaluating and developing state level environmental public health indicators. She is evaluating children's hazard, exposure, and health outcome measures in Maryland and Wisconsin.

E. An Evaluation of Maryland's Reduction of Lead Risk in Housing Law

Michele Twilley (Environmental Health Sciences) is evaluating Maryland's Reduction of Lead Risk in Housing Law through the analysis of three existing tracking databases. She will evaluate this intervention for its effectiveness, efficiency, efficacy and equity

E. Tracking the Environmental Fate and Associated Potential Human Health Risks of Persistent High Volume Chemicals

Jochen Heidler (Environmental Health Science) is examining the fate, distribution and human health risk of antimicrobial compounds. He will also develop an analytic method for analysis of these chemicals in various biological media