

Environmental Public Health Tracking

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What is EPHT?

- The ongoing collection, integration, and analysis of data about environmental hazards, exposure to environmental hazards, and health effects potentially related to those hazards
- CDC-funded cooperative agreement
- 23 states and 1 city

Goals of EPHT

- Development of nationally consistent data and measures
- Development of national and state portals to display NCDMs

What data is available?

Health Outcome Data

- **Asthma**
- **Heart Attacks**
- **Birth Defects**
- Cancer
- **Carbon Monoxide Poisoning**
- Reproductive/Birth outcomes
- **Childhood lead poisoning/
Blood lead levels**

Environmental Data

- **Air quality**
- **Water quality**
- Childhood lead poisoning/
housing age

Air Data on the Tracking Network

- Ozone and PM2.5
- All data prepared by EPA and CDC
- Two major activities:
 - Ozone and PM2.5 data obtained from AQS
 - Used to calculate county-based measures
 - Hierarchical Bayesian predictions based on AQS sampling data and CMAQ modeling
 - Not available on the state portal
 - 36km and 12km grid data (only eastern US)

Air Quality Indicators

- PM2.5 days above regulatory standard
 - Number of person-days with PM2.5 over NAAQS
 - Percent of days with PM2.5 over NAAQS
- Annual PM2.5 level
 - Annual average concentration of PM2.5
 - % of population in counties exceeding NAAQS (Monitor only)
- Ozone days above regulatory standard
 - Number of days with max 8-hour avg ozone over the NAAQS
 - Number of person-days with max 8-hr ozone over the NAAQS

Future projects

- Developing linked indicators
 - Air quality and birth outcomes
 - Air quality and MI

Links

- National EPHT Portal
 - <http://ephtracking.cdc.gov>
- Connecticut EPHT Portal
 - <http://dphepht.ct.gov>