

Pilot Project



Pilot Project Background

Database Inventory

Convened Technical Team

Initial Plan

- Groundwater Nitrate and Cancer

Advisory Committee and Planning Consortium
Feedback

Current Plan

- Air Quality and Asthma, Cardiovascular

Pilot Project Data

- # Two Environmental Data Sources
 - # Air Quality
 - # Traffic Volume
- # Two Health Conditions
 - # Asthma
 - # Cardiovascular Disease

Environmental Data

Oregon Department of Environmental Quality

■ Particulate Matter

- $PM_{2.5}$
- PM_{10}
- Nephelometer (Light Scatter surrogate for $PM_{2.5}$ and PM_{10})

■ Air Quality Index

- Index value and the specific pollutant causing the index value (PM, CO, Ozone, SO_2 , and NO_2)



Oregon Department of Transportation

■ Traffic Counts

Health Outcomes Data

- # Oregon Health & Sciences University Emergency Department Visits
 - Asthma: ICD9
 - Cardiovascular Disease: To Be Determined

- # Medicaid Management Information System (MMIS)
 - Asthma: ICD9, Prescriptions Filled
 - Cardiovascular Disease: To Be Determined

- # Oregon Community Health Information Network (OCHIN)
 - Asthma: ICD9, Prescriptions Ordered
 - Cardiovascular Disease: To Be Determined

Pilot Project Process

- # Develop Relationship with Data Partners
- # Develop Data Sharing Agreements
- # Develop Data Receiving Systems
- # Data Processing
 - Geocoding
 - Quality Assurance
 - Post Coding of Data

Pilot Project Overview



GOAL: Proof The Concept of EPHT

Determine the processes, policies, and methods of bringing disparate datasets together in a meaningful way