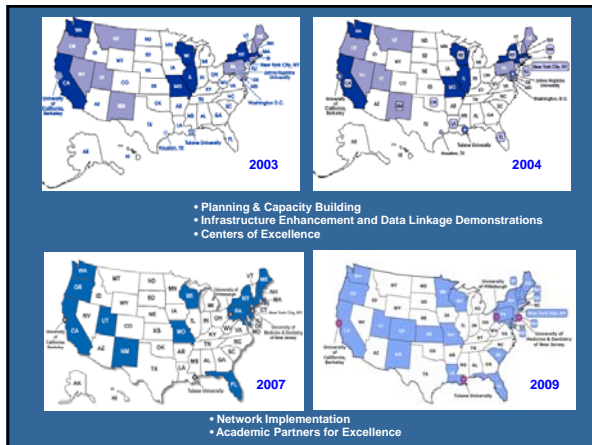
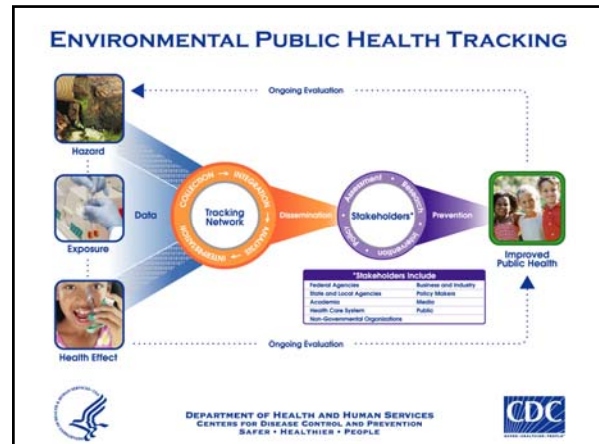


WISCONSIN'S ENVIRONMENTAL PUBLIC HEALTH TRACKING PROGRAM

Linking Hazards, Exposures & Health Outcomes

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- ## Approach and Funding
- Initial funding in October of 2003
 - Focus – data assessment & linkage
 - Topic Areas of interest:
 - Childhood cancer and environmental exposures
 - Pesticide Poisoning
 - CO Poisoning
 - Methylmercury exposure
 - Supplemental funding in September of 2004
 - Target endpoints:
 - Asthma
 - Multiple sclerosis
 - Amyotrophic lateral sclerosis
 - Second round of funding in 2007-2011
 - Focus = network implementation
 - Required Topic Areas
 - Hospitalizations for asthma and heart attacks
 - Lead poisoning
 - Vital Statistics
 - Ozone
 - PM2.5
 - Drinking water quality
 - Birth defects
 - Cancer
 - Carbon monoxide poisoning
 - Wisconsin's interests
 - Expanded air quality topics
 - Pesticides
 - Poison Center calls

- ## Determining Portal Objectives
- Technical Advisory Group
 - Representatives from urban and rural departments
 - Epidemiologist from Regional Office
 - Data Stewards
 - Quarterly e-mail update
 - Survey
 - Sample Environmental Health Report Card
 - Produced by one of our LHDs each year
 - Conference Presentations
 - In-person feedback
 - Individual interviews with representative sample of LHDs
 - Detailed information

- ## General Portal Objectives
- Support and promote environmental health work in the state's local public health departments
- PUBLIC PORTAL**
- Provide a simple, data-based tool for communicating environmental health issues
- 
- SECURE PORTAL**
- Provide an integrated tool that facilitates data exploration and analysis to identify and prioritize local environmental health issues
- 

More Specific Portal Objectives

- Areas of interest
 - Childhood lead poisoning
 - Ambient air quality
 - Asthma
 - Private well water testing results
 - Radon testing results
- Utilities
 - Mapping capabilities
 - Public portal should have simplest data up front with links to more detailed information
 - Secure portal should simplify analyses and creation of visual representations
 - Secure portal should provide data by LHD jurisdiction, not just at county or zip code levels

The Resulting WI EPHT Network

Public Portal

- Target audience = public
- De-identified data accessible to public
- Drop-down data queries
- View data in tables or maps
- Static County Profiles

Secure Portal

- Target audience = public health professional
- Detailed data accessible via role-based access
- Data tables for data exploration
- View data as tables, maps, graphs, charts
- Dynamic County Profiles

Wisconsin EPHT Public Portal

Building a Query – Select Topic

The screenshot shows the 'Environmental Public Health Tracking' query builder interface. The 'Topic' dropdown menu is open, showing options like 'Asbestos', 'Carbon Monoxide', 'Childhood Blood Lead', 'Lead in Air', 'Lead in Drinking Water', and 'Respiratory Outcomes'. 'Childhood Blood Lead' is selected. The main content area displays information about the program, including its purpose and the need for data.

Building a Query – Select Measure

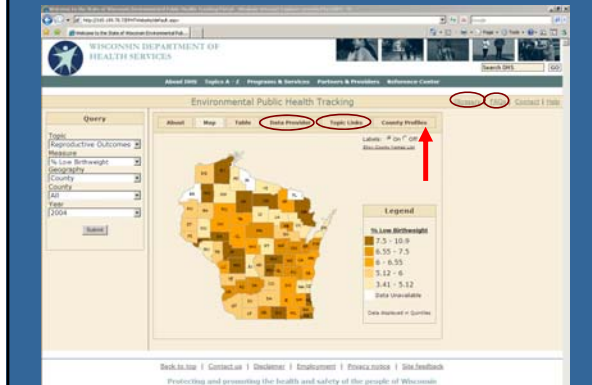
The screenshot shows the 'Environmental Public Health Tracking' query builder interface. The 'Measure' dropdown menu is open, showing options like '% Low Birthweight', '% Low Birthweight (2004)', '% Low Birthweight (2005)', '% Low Birthweight (2006)', '% Low Birthweight (2007)', '% Low Birthweight (2008)', '% Low Birthweight (2009)', '% Low Birthweight (2010)', '% Low Birthweight (2011)', '% Low Birthweight (2012)', '% Low Birthweight (2013)', '% Low Birthweight (2014)', '% Low Birthweight (2015)', '% Low Birthweight (2016)', '% Low Birthweight (2017)', '% Low Birthweight (2018)', '% Low Birthweight (2019)', '% Low Birthweight (2020)'. '% Low Birthweight' is selected. The main content area displays information about the program, including its purpose and the need for data.

Sample Query Results with Table

The screenshot shows the 'Environmental Public Health Tracking' query builder interface. The 'Results' dropdown menu is open, showing options like 'Table', 'Map', 'Data Profile', and 'County Profile'. 'Table' is selected. The main content area displays a table of results for the selected query.

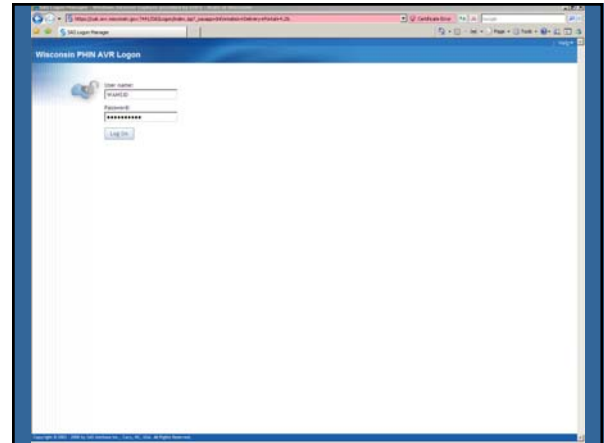
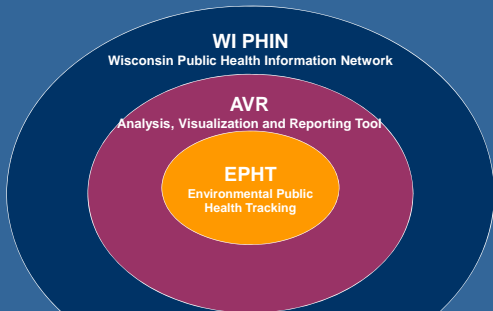
County	Year	% Low Birthweight
Ashland	2004	1.80
Barron	2004	1.12
Bayfield	2004	0.37
Burnett	2004	1.07
Buffalo	2004	4.52
Calumet	2004	0.13
Chippewa	2004	0.34
Clark	2004	0.21
Columbia	2004	1.49
Crawford	2004	0.28

Sample Query Results with Map

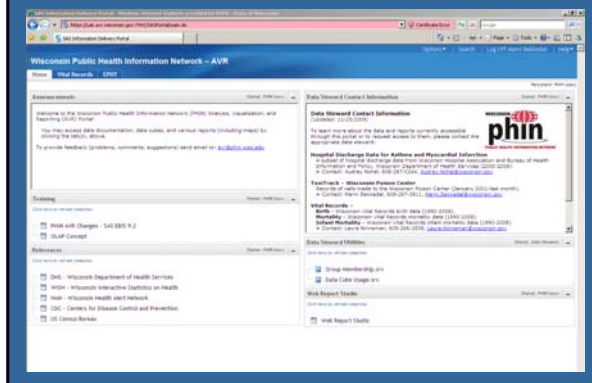


Wisconsin EPHT Secure Portal (leveraging the WI PHIN)

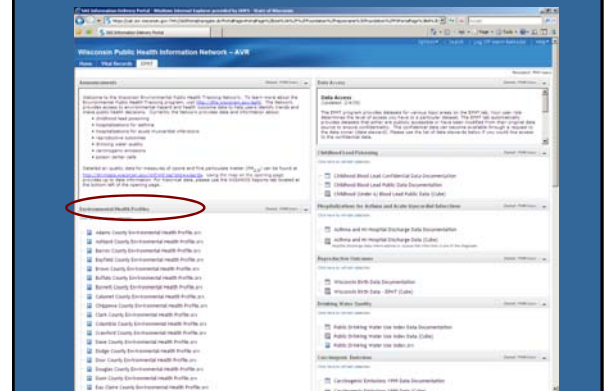
One-Stop Shop for LHDs



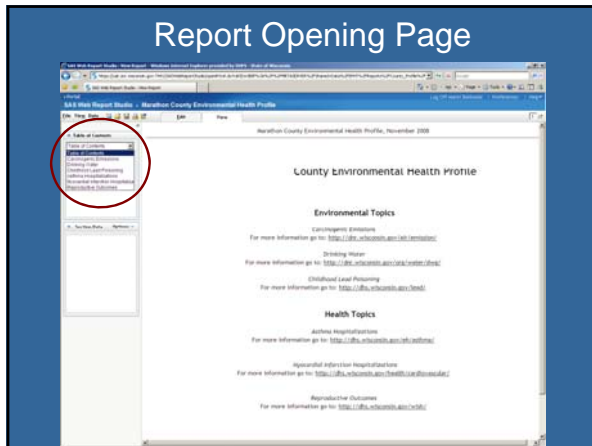
Opening WI PHIN AVR screen



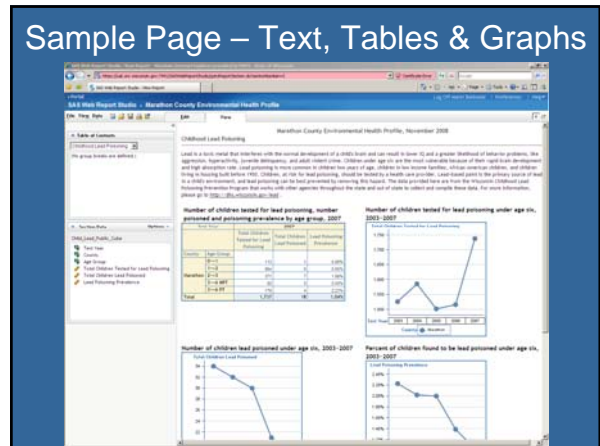
EPHT Tab



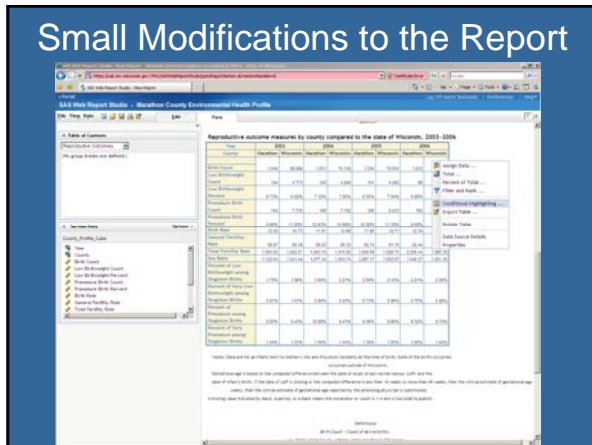
Report Opening Page



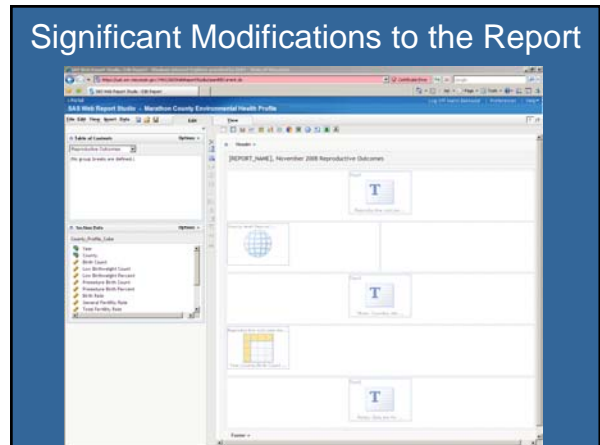
Sample Page – Text, Tables & Graphs



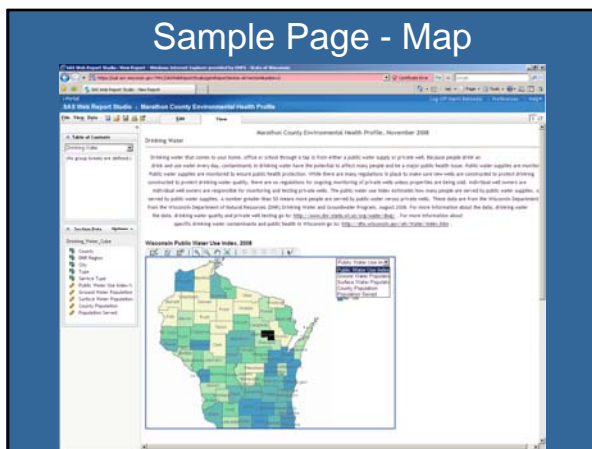
Small Modifications to the Report



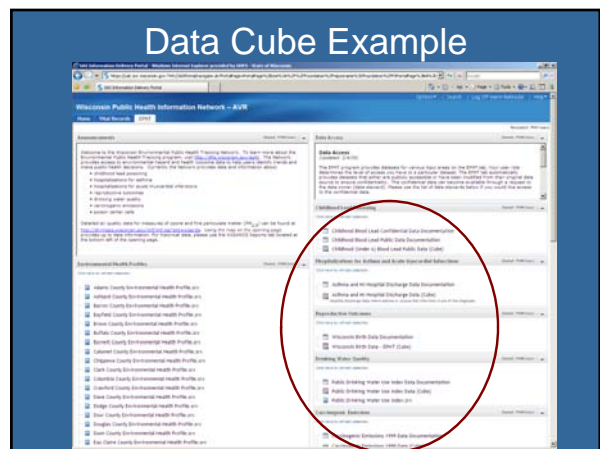
Significant Modifications to the Report



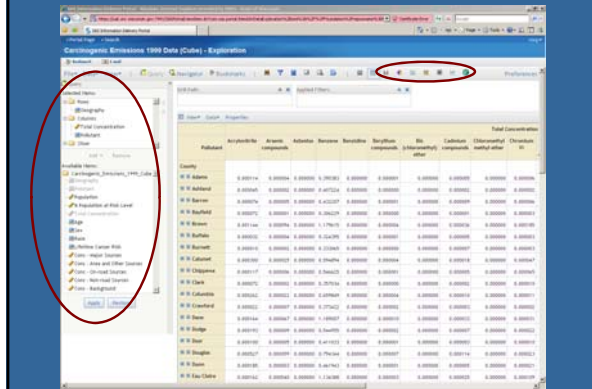
Sample Page - Map



Data Cube Example



Data Cube Example



Checking Back on Portal Objectives

- Areas of interest
 - Childhood lead poisoning
 - Ambient air quality
 - Asthma
 - Private well water testing results
 - Radon testing results
- Utilities
 - Mapping capabilities
 - Public portal should have simplest data up front with links to more detailed information
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Meeting the LHD Objectives Next Steps

- Areas of interest
 - Private well water testing results
 - Radon testing results
- Utilities
 - Increase mapping capabilities
 - Provide data by LHD jurisdiction, not just at county or zip code levels

Wisconsin EPHT Portals

www.dhs.wi.gov/epht
<https://avr.phin.wisc.edu/>

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