



Face-to-Face: A State-Local dialogue on Environmental Public Health Tracking

ASTHO NACCHO: JOINT PRESENTATION ON EPHT FACILITATED DISCUSSIONS

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EPHT Background



“Environmental public health tracking (EPHT) is a multi-disciplinary collaborative involving the ongoing collection, integration, analysis, interpretation, and dissemination of data about environmental hazards, human exposure to those hazards, and health effects related to exposures.”

**Typical Environmental Exposures:
TODAY**

Infectious Agents

Fire Byproducts
Particulates, PAHs, CO

Heavy Metals
Lead, Mercury, Palladium, Cadmium

Industrial Chemicals
PCBs, Dioxin, Toxaphene, VOCs, Phthalates, Adipates, PBDEs and many others

Chlorination Byproducts
Chloroform, Bromoform, etc.

Vehicular Emissions
CO, Ozone, Particulates, Benzene, etc.

Pesticides
DDT, Mirex, 2,4-D, Atrazine, Malathion, etc.



Face to Face Dialogue: Goals of the EPHT Discussions

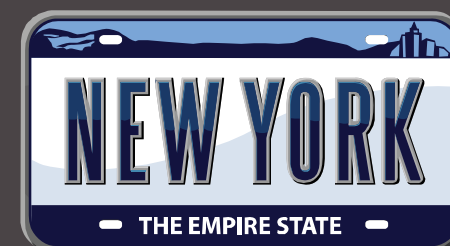
- Promote the EPHT program and network
- Ensure inclusion of local public health perspectives
- Foster collaboration between state and local public health agencies, environmental agencies, and partner organization in order to improve the efficacy of the EPHT program
- Raise core issues about usage of the Network



Face to Face Dialogue: Phase 1



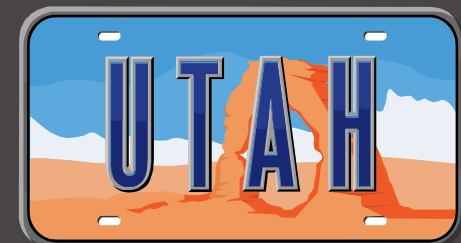
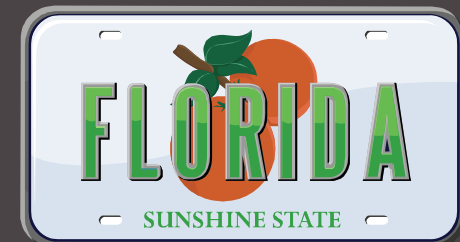
- New York: March 11, 2005
- Maryland: September 29, 2005
- Oregon: October 5, 2005
- Wisconsin: December 5, 2005
- California: February 9, 2006





Face to Face Dialogue: Phase 2

- Massachusetts: October 12, 2007
- Florida: January 23, 2008
- Washington: May 12, 2008*
- Utah: May 29, 2008*



Face to Face Dialogue: What are we doing here?



- The role of Local Public Health Departments and How the Network will serve to help them in conjunction with their states and other local users.
- Effective Communication between local and state agencies
- Knowledge gain about key issues as they affect state and LHDs
- Development of Strategies for Implementation.



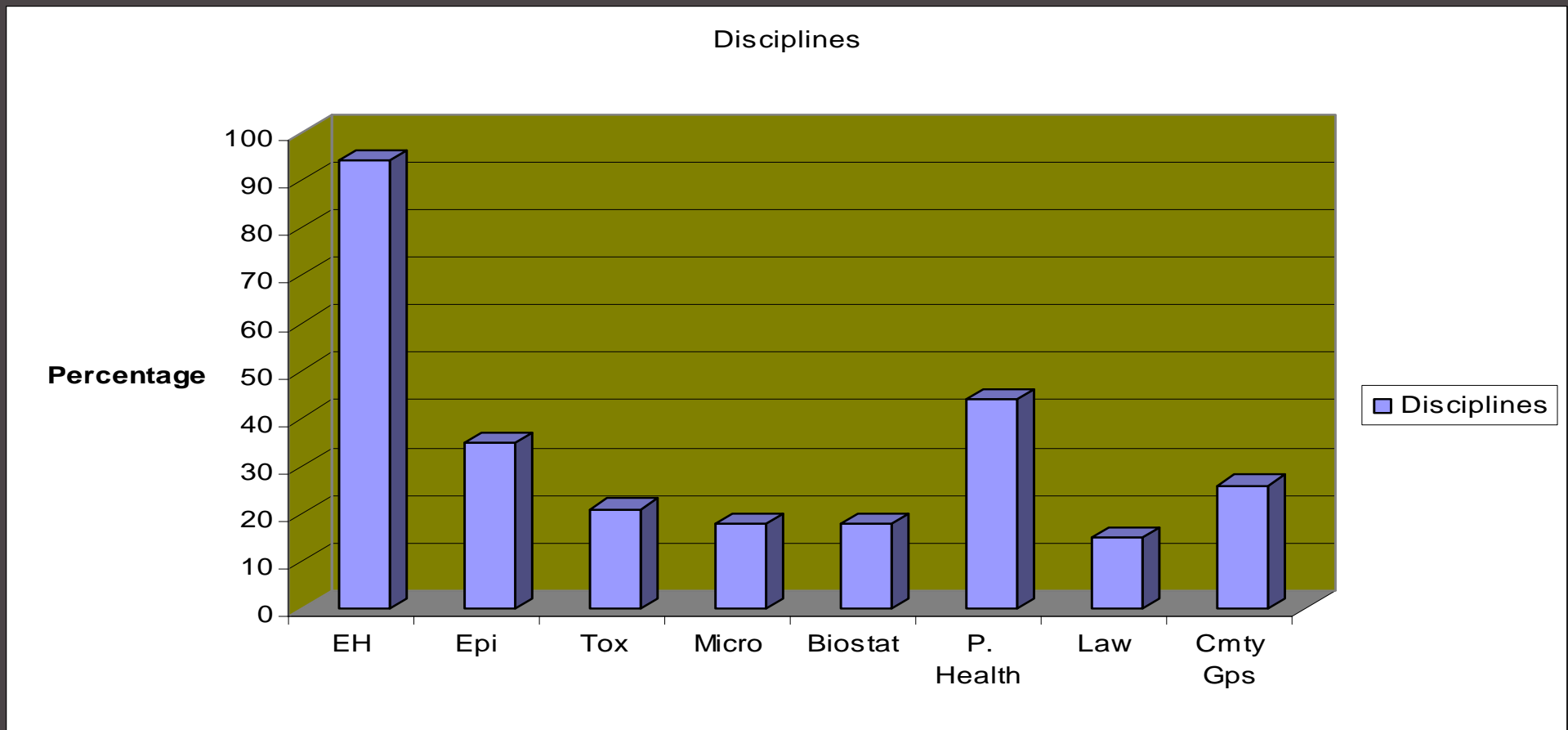
Face to Face Dialogue: What can be covered in a day?

- Participant and Sponsor Introductions
- Expectations, Challenges, and Capabilities of using the Network to Respond to Public Health Concerns
- Interactive Tool Demonstration
 - Standard Incidence Rate (SIR)
 - Rapid Inquiry Facility (RIF)
- Open Dialogue between Local and State agencies

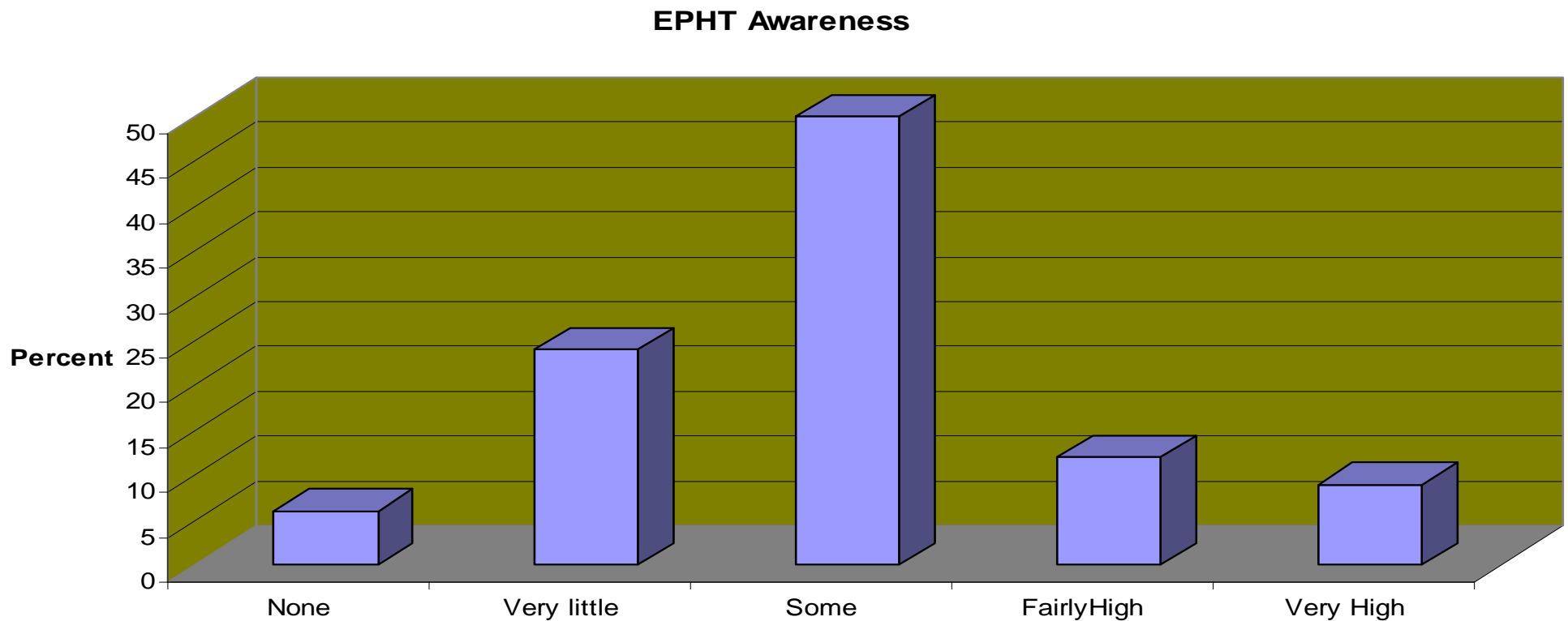




Face to Face Dialogue: Participant Breakdown



Face to Face Dialogue: EPHT Awareness



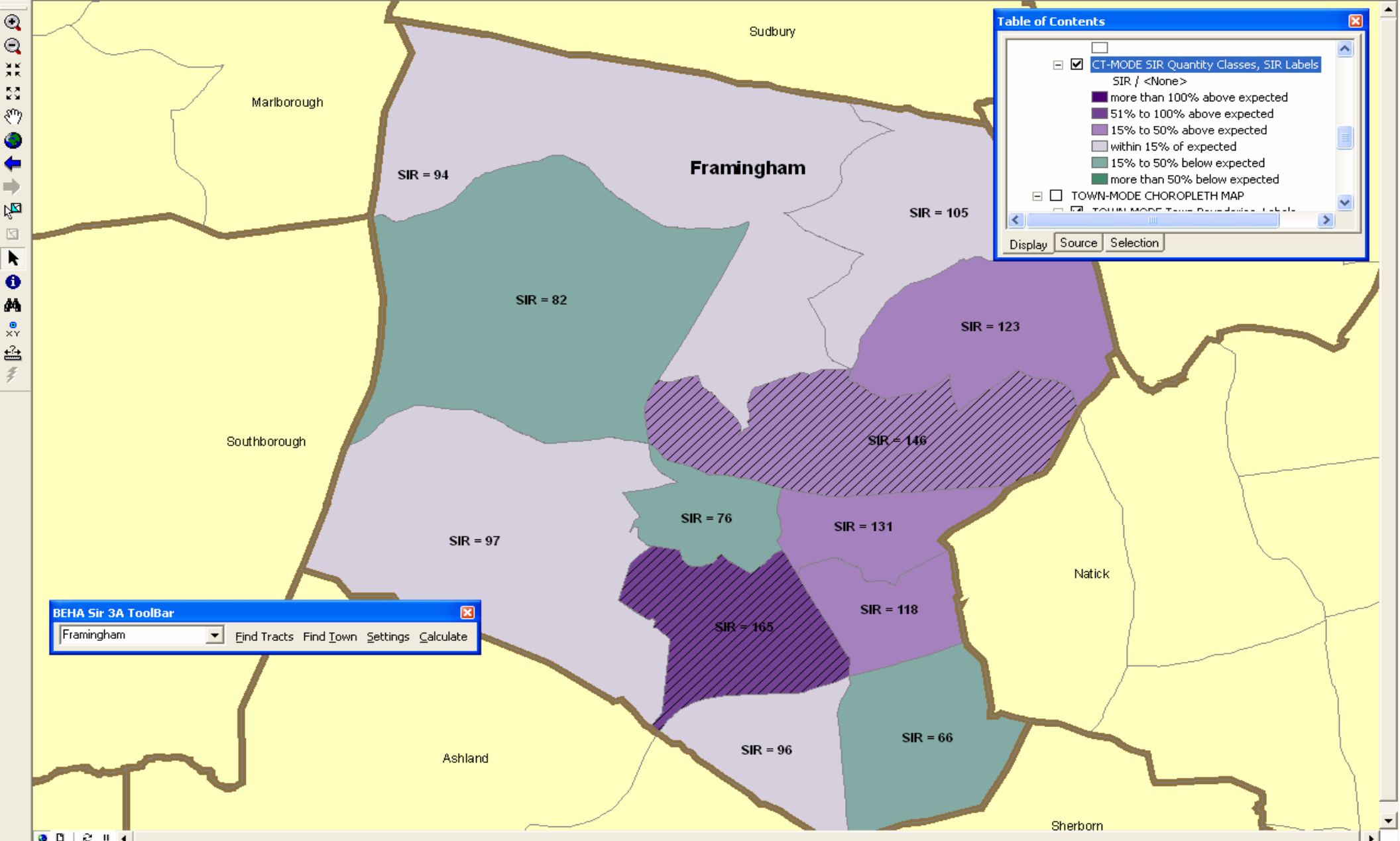


Table of Contents

- CT-MODE SIR Quantity Classes, SIR Labels
 - SIR / <None>
 - more than 100% above expected
 - 51% to 100% above expected
 - 15% to 50% above expected
 - within 15% of expected
 - 15% to 50% below expected
 - more than 50% below expected
- TOWN-MODE CHOROPLETH MAP
 - TOWN-MODE Town Boundaries Labels

Display Source Selection

BEHA Sir 3A ToolBar

Framingham Find Tracts Find Town Settings Calculate

BEHA SIR Calculator

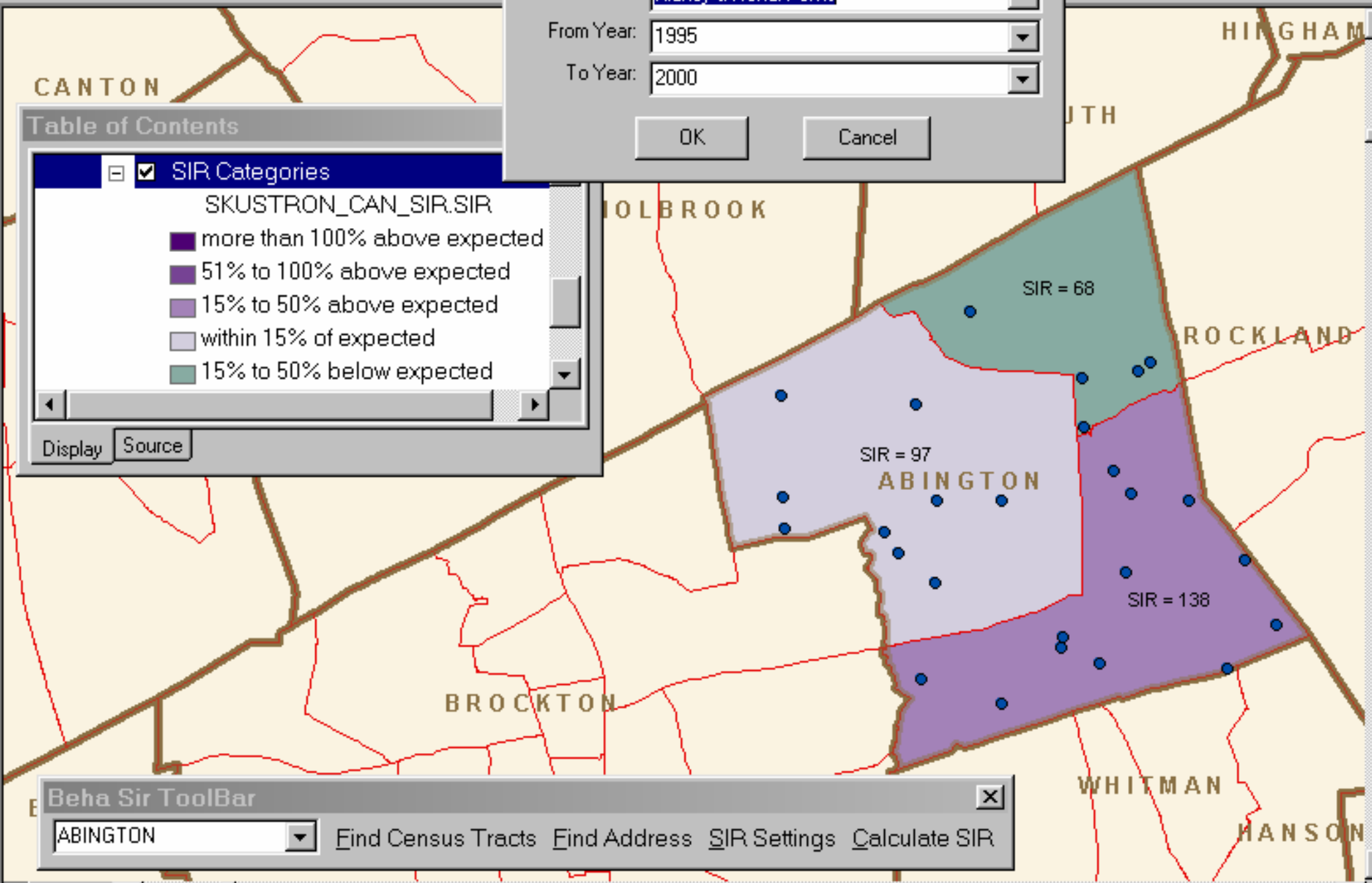
Cancer Type:

From Year:

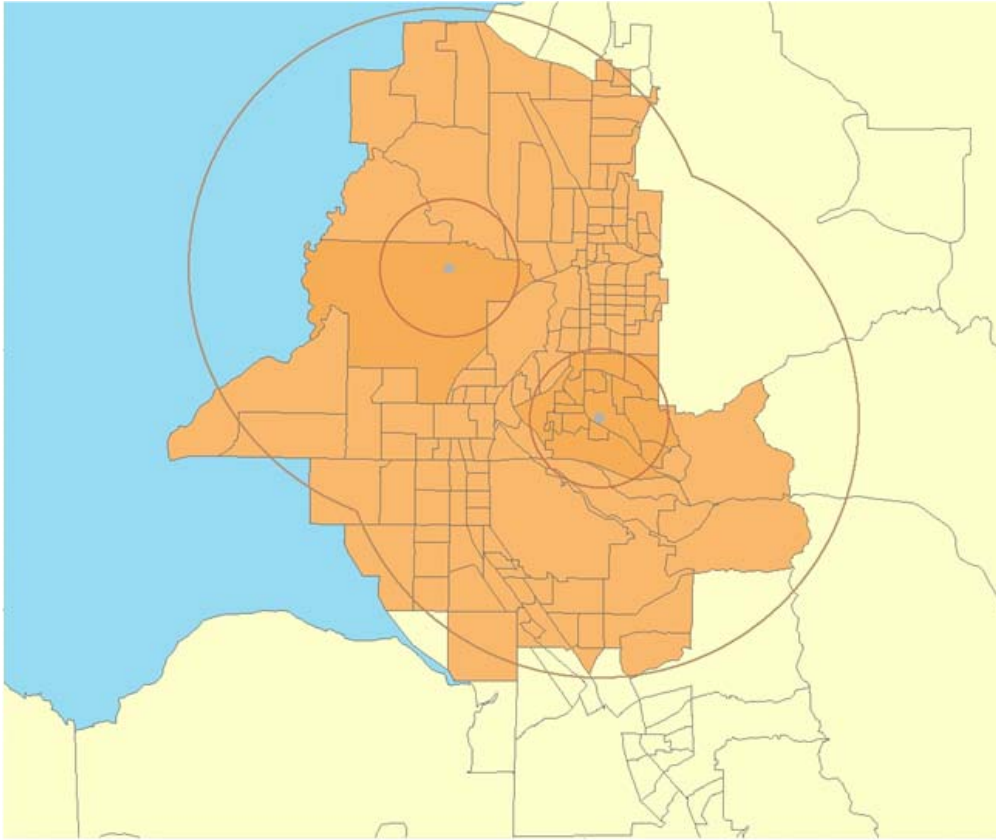
To Year:

Table of Contents

- SIR Categories
 - SKUSTRON_CAN_SIR.SIR
 - more than 100% above expected
 - 51% to 100% above expected
 - 15% to 50% above expected
 - within 15% of expected
 - 15% to 50% below expected

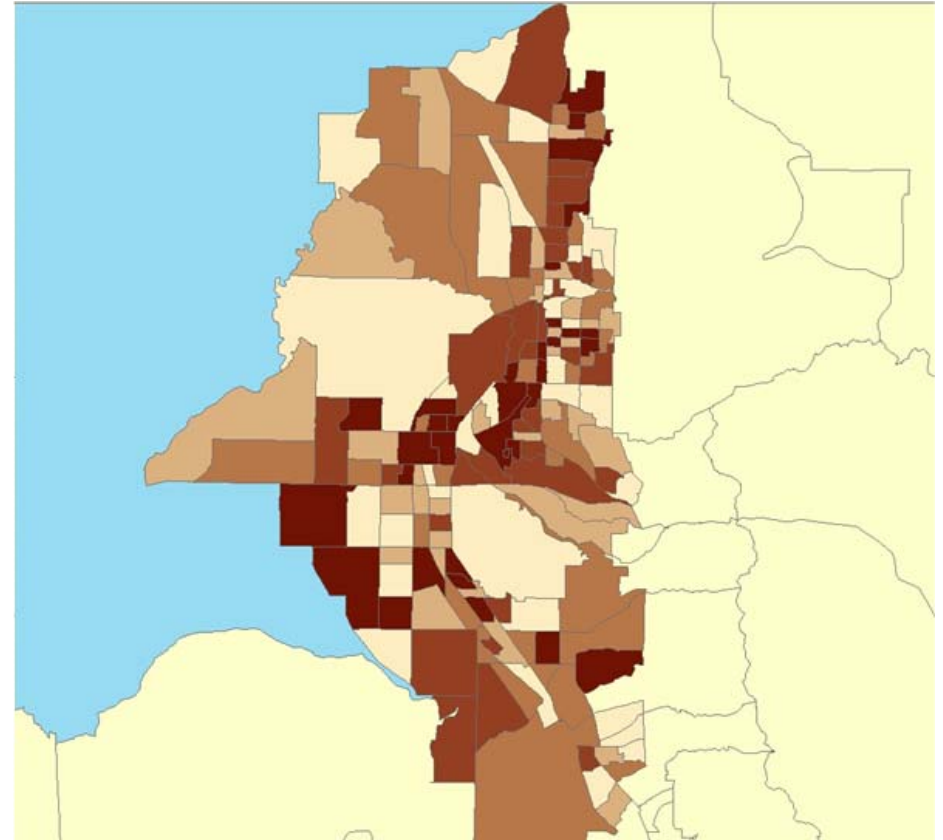


Beha Sir ToolBar



Risk Analysis

- Rates and Risks
- Multiple covariates
- Age Adjusted
- Distance is proxy for exposure



Disease Mapping

- Rates and Risks
- Multiple covariates
- Age Adjusted and/or smoothed using Bayesian Poisson-Gamma model
- Geographic unit study areas



Face to Face Dialogue: All in One Day

Goal: How the Network will serve to help those that protect the health of the citizens

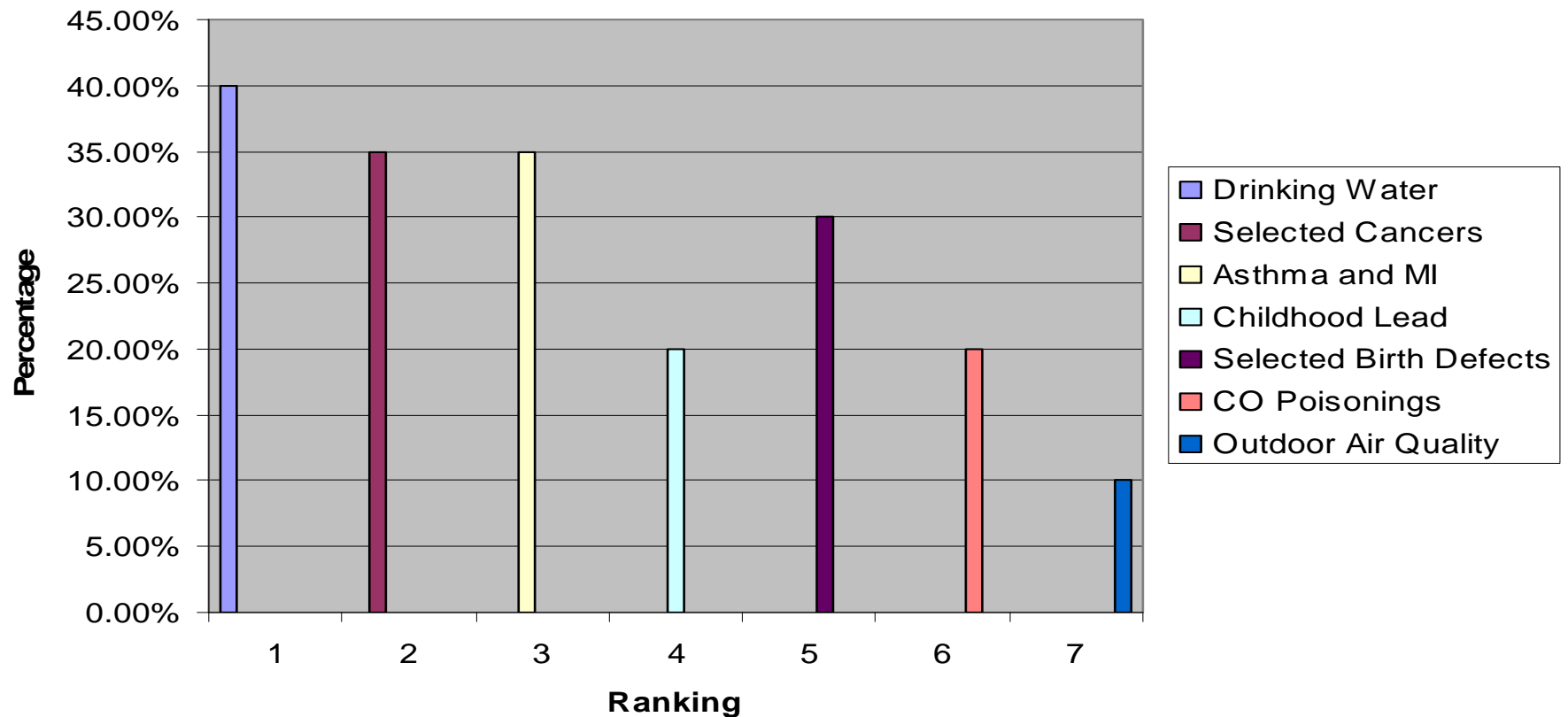
- Front-line Responders
- Working in partnership with state Tracking branch
- Local Health Departments Use of the network
- Community Organizations





Face to Face Dialogue: Post Assessment Results

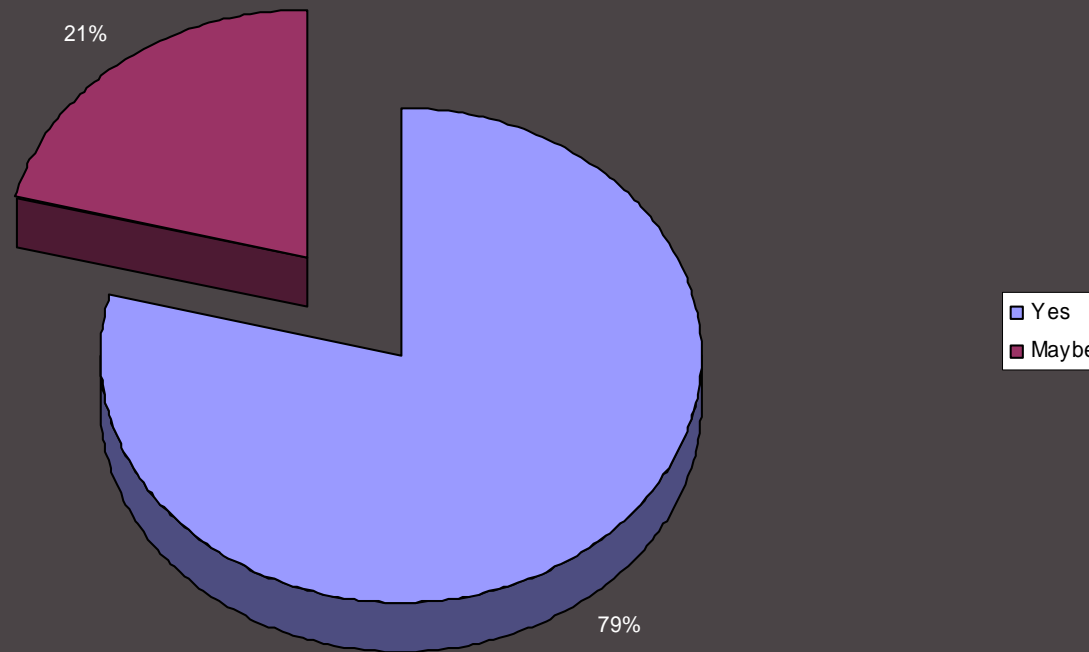
Top Ranking Indicators by Percentage



Value of the EPHT Program and Network	Percent
Ability to link environmental and public health data	67.0
Ability to compare data at local, state, regional, and federal levels	54.0
Increased advocacy with decision makers about environmental health program needs	38.0
Availability of environmental and public health data in electronic format	29.0
Improved community education, empowerment, and mobilization	29.0
Increased data access	29.0
Improved data quality	29.0
Increased response capability	12.0
Increased communications	12.0
Increased coordination	8.0
Consolidated process for storing and accessing data	0.0
Do NOT see value in the Program or Network	0.0

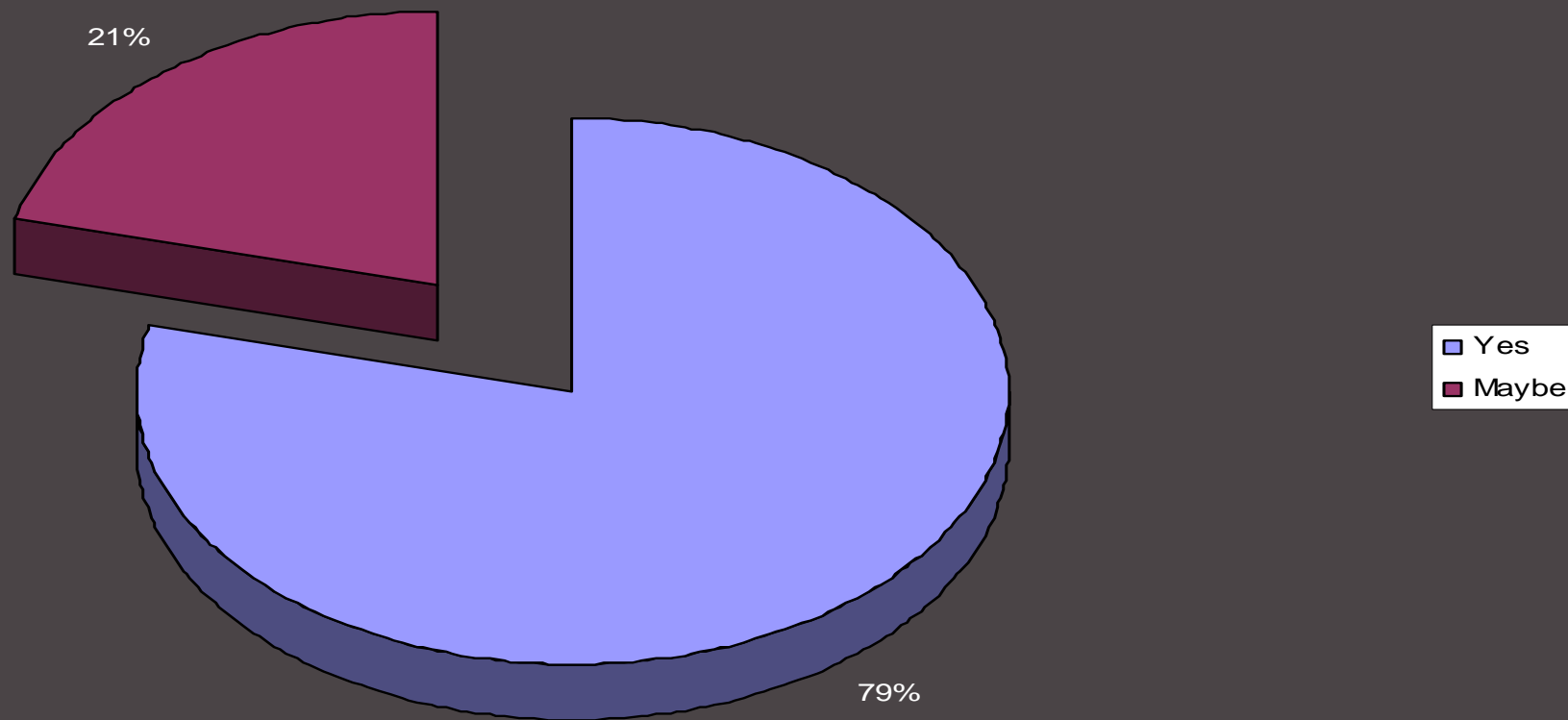


Usefulness of the RIF tool





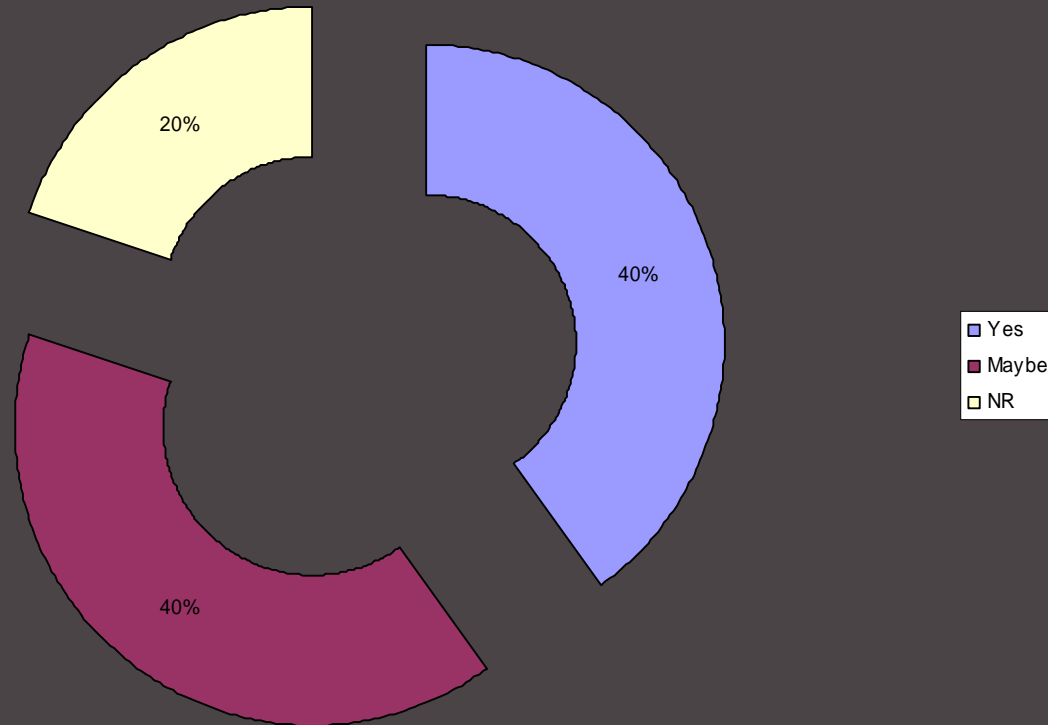
Participants Wanting More Information on EPHT



How Participants would like to stay engaged	Percent
In person meetings/conferences	67.0
Peer to peer assistance through the State DOH, ASTHO and NACCHO	62.0
Web based interactive distance learning courses	62.0
Web casts/ Conference Calls	54.0



Locals Interested in Participating in a EPHT Workgroup





Face to Face Dialogue: Use of the Tracking Data

- The NYC Tracking program combined pesticide use and infestation data to create a comprehensive pests and pesticide tracking system
- Data and indicators from the tracking effort were used to implement legislation that made NYC the largest municipality to implement pesticide reduction laws
- Joint project with Escambia County in Florida. Escambia County has several contaminated sites and have agreed to partner with Tracking on this effort, including using the RIF.
- Due to concerns raised in the community of Newburyport, MDPH/BEH was asked to assist in an evaluation of a landfill. Concern centered on exposure to contaminants often associated with a landfill (H₂S, SO₂)
- MDPH/BEH was asked to evaluate the rate of certain cancers (bladder, leukemia) and respiratory conditions in the vicinity of the Aggregate Industries rock quarry located in West Peabody Massachusetts.



Face to Face Dialogue: Continued Involvement

- Demonstrates the support of the goals of the EPHT Program and Network
- Increased awareness may bring greater input and stronger support for the continued development of the EPHT program and Network
- Continued involvement of stakeholders to ensure a comprehensive and representative effort





Face to Face Dialogue: A State-Local dialogue on EPHT

Thank You!





Face to Face Dialogue: A State-Local dialogue on EPHT

For more information:

CDC – NCEH Tracking Branch
www.cdc.gov/nceh/tracking/

ASTHO
www.astho.org/?template=1events.html

NACCHO
www.naccho.org/topics/environmental/EPHT.cfm