

Data for Health Impact Assessments: Tools for Accessing Quality Data Quickly

Hope Roobol, MPH

Public Health Prevention Service Fellow

National Center for Environmental Health

Healthy Community Design Initiative

hroobol@cdc.gov

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Disclaimer

- ❑ The findings and conclusions in this presentation are those of the author and do not necessarily represent the views of the Centers for Disease Control and Prevention.**

Agenda

- ❑ **Background**
- ❑ **Role of Data in HIAs**
- ❑ **HIA Case Study with Demonstration**
 - Environmental Public Health Tracking Network
 - CDC Transportation HIA Toolkit
- ❑ **HIA Data Source “Crowd Sourcing”**

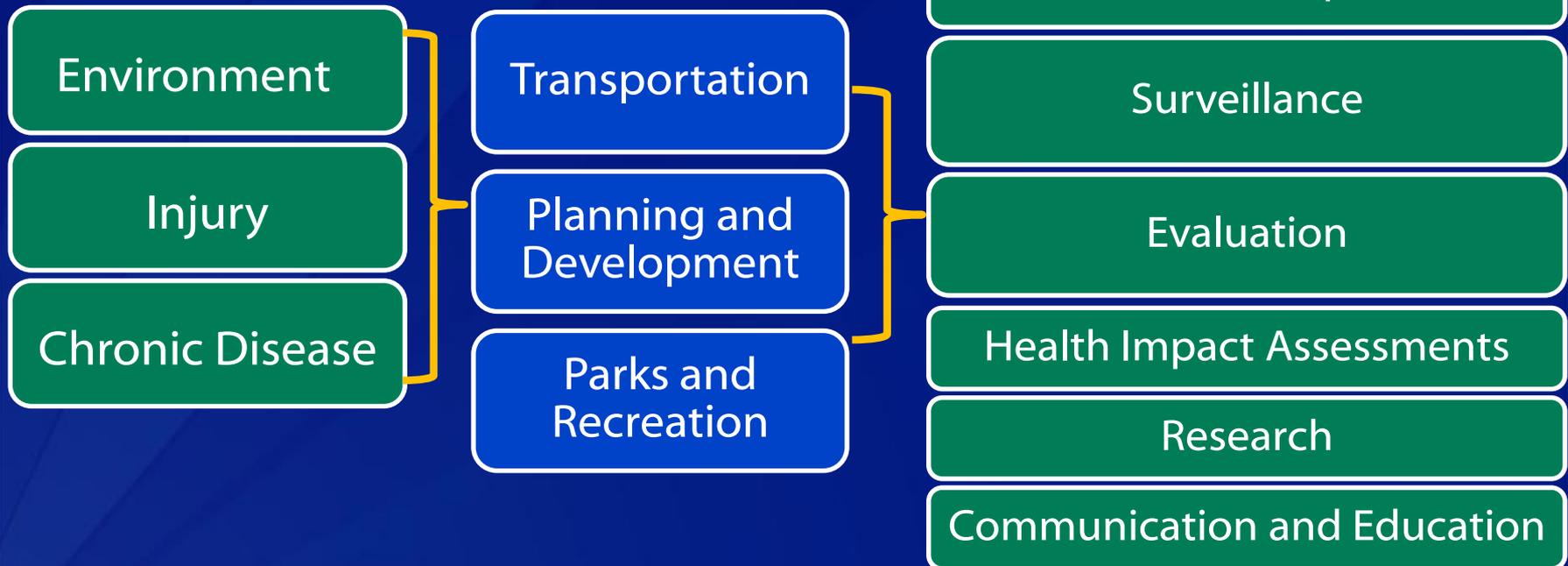
BACKGROUND

Healthy Community Design Initiative (HCDI)

Public Health Issues

Focus Sectors

Key Activities



Centers for Disease Control and Prevention. (3 January 2012). Designing and Build Healthy Places. Accessed 19 March 2012 from:

<http://www.cdc.gov/healthyplaces/>

Data's Role in HIA Steps

□ Screening

- Data can help assess the feasibility and value of the HIA
- Help to identify what potential info is available

□ Scoping

- Data may drive what health impacts to examine
- Identify gaps in available data

□ Assessment

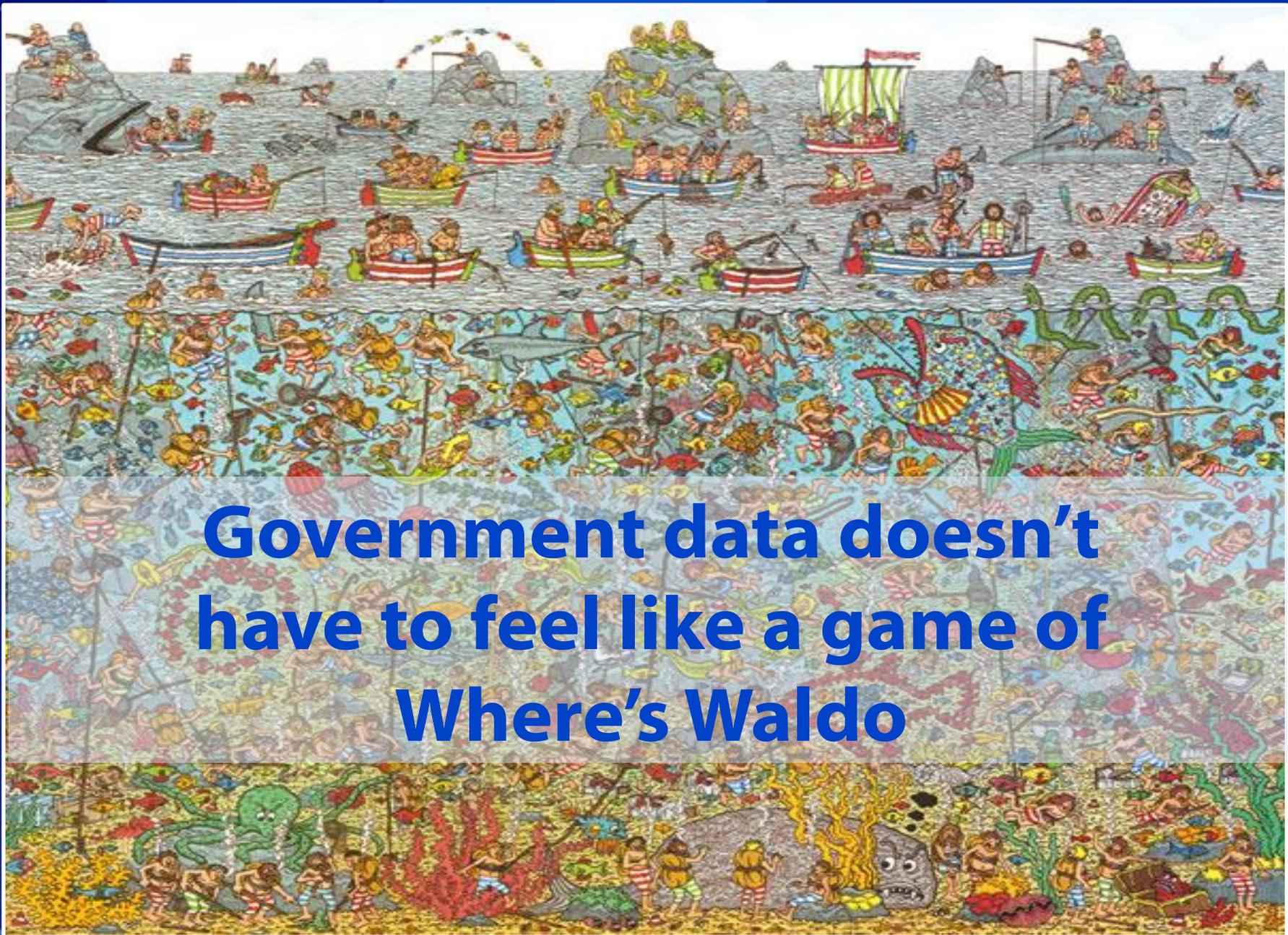
- Data provides a baseline of health status
- Data are a source to determine potential magnitude and direction of potential health impact(s)

□ Evaluation

- Data can help to track the impacts of HIAs over time

Data Limitations in the Assessment Step

- ❑ **What sources to use**
- ❑ **How to use data**
- ❑ **Geographic specificity of data**
- ❑ **Community variations in data availability**
- ❑ **Primary versus secondary data**



**Government data doesn't
have to feel like a game of
Where's Waldo**

Practical Approaches for the Assessment Step

- 1. Review existing HIA(s) similar to your topic**
 - Health Impact Project's HIA Map
 - UCLA's HIA Clearinghouse
- 2. Review the data sources and methods used in previous HIA(s)**
 - Federal/State/County/Local data sources
 - Primary vs. secondary data
- 3. Determine feasibility and usefulness of duplicating their methods and sources in your community**

Using the Environmental Public Health Tracking Network for HIAs

- ❑ Emerging one-stop-shop for data
- ❑ Community design specific measures
- ❑ GIS map built into your search
- ❑ Simple navigation
- ❑ Quality data from trusted sources
- ❑ Data in less than 8 clicks (usually!)





Environmental Public Health Tracking Network Data Indicators

By Health Issue

- ❑ Population Characteristics
- ❑ Asthma
- ❑ Birth Defects
- ❑ Cancer
- ❑ Carbon Monoxide Poisoning
- ❑ Childhood Lead Poisoning
- ❑ Developmental Disabilities
- ❑ Heart Attacks
- ❑ Reproductive Health and Birth Outcomes

By Environment

- ❑ Climate Change
- ❑ Community Design
- ❑ Community Water
- ❑ Home
- ❑ Outdoor Air



Environmental Public Health Tracking Network

Select Data Sources

- ❑ **Centers for Disease Control and Prevention (CDC)**
- ❑ **Environmental Protection Agency (EPA)**
- ❑ **National Cancer Institute**
- ❑ **National Oceanic and Atmospheric Administration (NOAA)**
- ❑ **State and City-level Health Departments**
- ❑ **US. Census Bureau**



Environmental Public Health Tracking Network **Community Design Indicators and Measures**

- ❑ **Mode of Transportation to Work**
 - Percent of people who used a specific mode of transportation to work

- ❑ **Motor Vehicle-Related Fatalities**
 - Fatalities in motor vehicle accidents

- ❑ **Air Quality**
 - Annual PM_{2.5} level
 - PM_{2.5} - days above regulatory standard
 - Ozone - days above regulatory standard

- ❑ **Childhood Lead Poisoning**
 - Blood lead levels by birth cohort

Health Impact Assessment Tool

CDC Transportation HIA Toolkit

□ **HIA Background Information**

- Indicators
- Links to data resources

□ **Strategies for Health-Oriented Transportation Projects and Policies**

- List of recommended strategies pulled from existing HIA literature
- Resources that support transportation strategies for evidence-based recommendations

□ **Case Studies**

PUTTING OUR TOOLS TO THE TEST

An HIA Scenario

- ❑ **Our HIA is looking at a new county policy requiring child care centers to incorporate 60 minutes of outdoor play to increase physical activity**

- ❑ **Our concerns**
 - Exposure to PM_{2.5}
 - Annual Ozone days
 - Asthma rates
 - % of children who are uninsured
 - Traffic volumes in our community

Your Experiences

- **What data sources are most useful to you?**
- **What tools have you found useful?**
- **What community level data sources have you found?**

CDC HIA Resources Currently in Development

- ❑ Sector specific HIA toolkits**
- ❑ Developing additional indicators for EPHT**
- ❑ CommunityCommons.org**
- ❑ Supporting capacity building and HIA training at the state and local level**
- ❑ HIA research and evaluation to expand the evidence base**

For more information:

Arthur Wendel, MD, MPH

awendel@cdc.gov

Hope Roobol, MPH

hroobol@cdc.gov

For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333

Telephone: 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

E-mail: healthyplaces@cdc.gov Web: <http://www.cdc.gov/healthyplaces>

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Some HIA Resources to Remember

- ❑ **CDC HIA Resource List**

<http://www.cdc.gov/healthyplaces/hia.htm>

- ❑ **Environmental Public Health Tracking Network**

<http://ephtracking.cdc.gov>

- ❑ **Health Impact Project – HIA Map**

<http://www.healthimpactproject.org/hia/us>

- ❑ **Community Commons – GIS Mapping and Data**

<http://www.communitycommons.org/>