MiTracking: What it is and how you can use it

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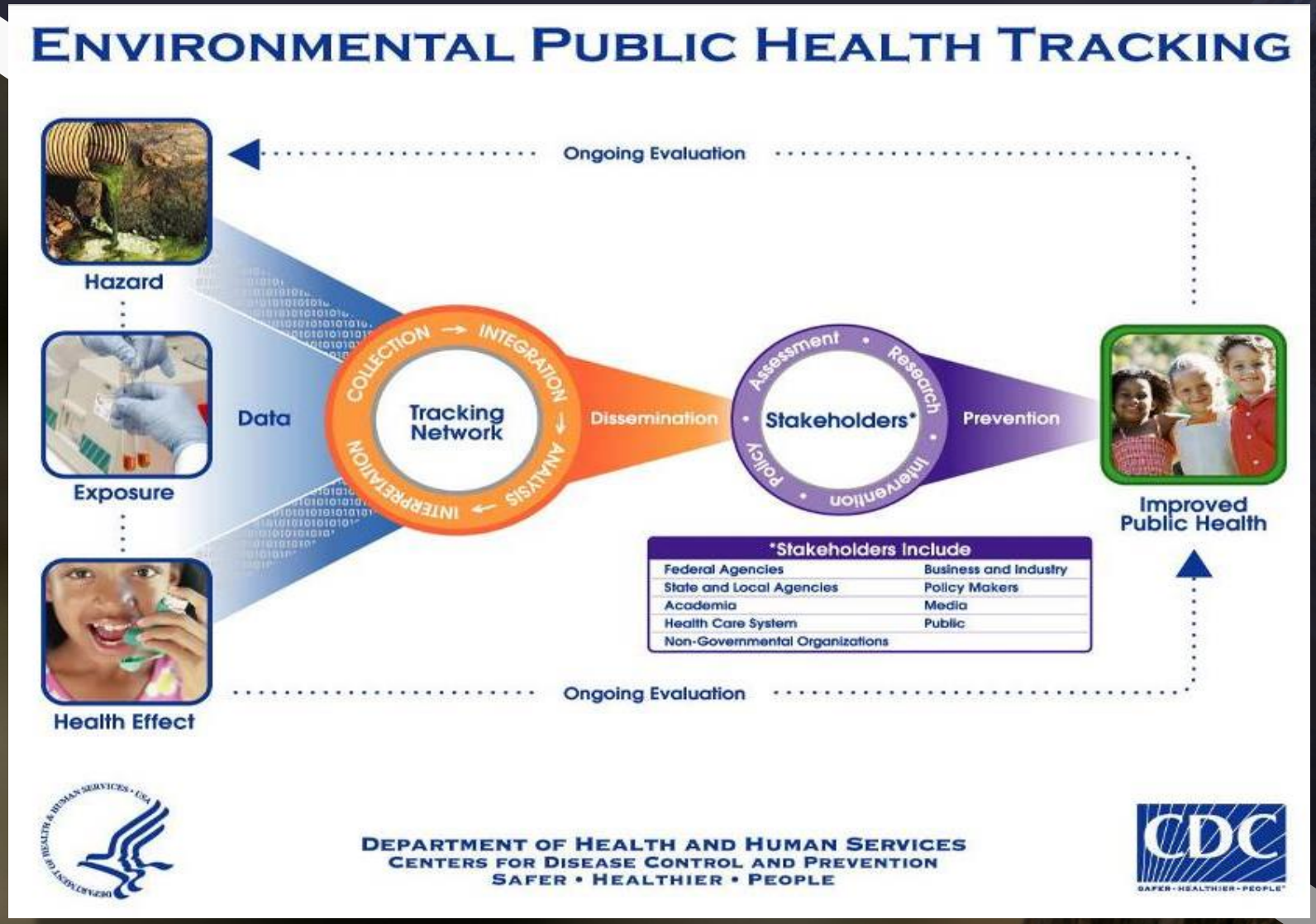
MiTracking

MDHHS
Michigan Department of Health & Human Services

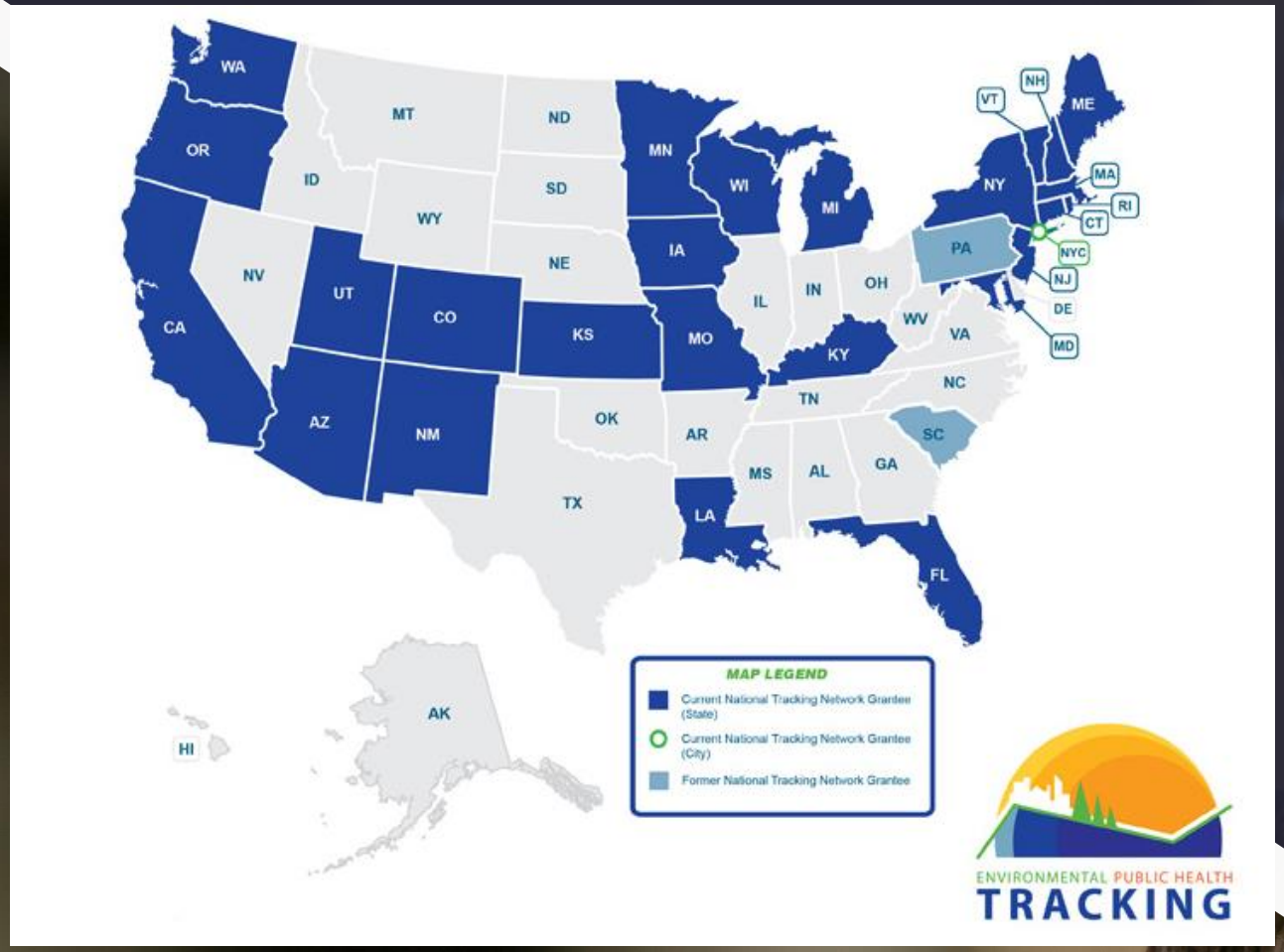
Quick Overview

- What is Tracking?
- National Tracking Program
- MiTracking Data Portal
- Using the data
- Demonstration
- Collaborations

What is Tracking?

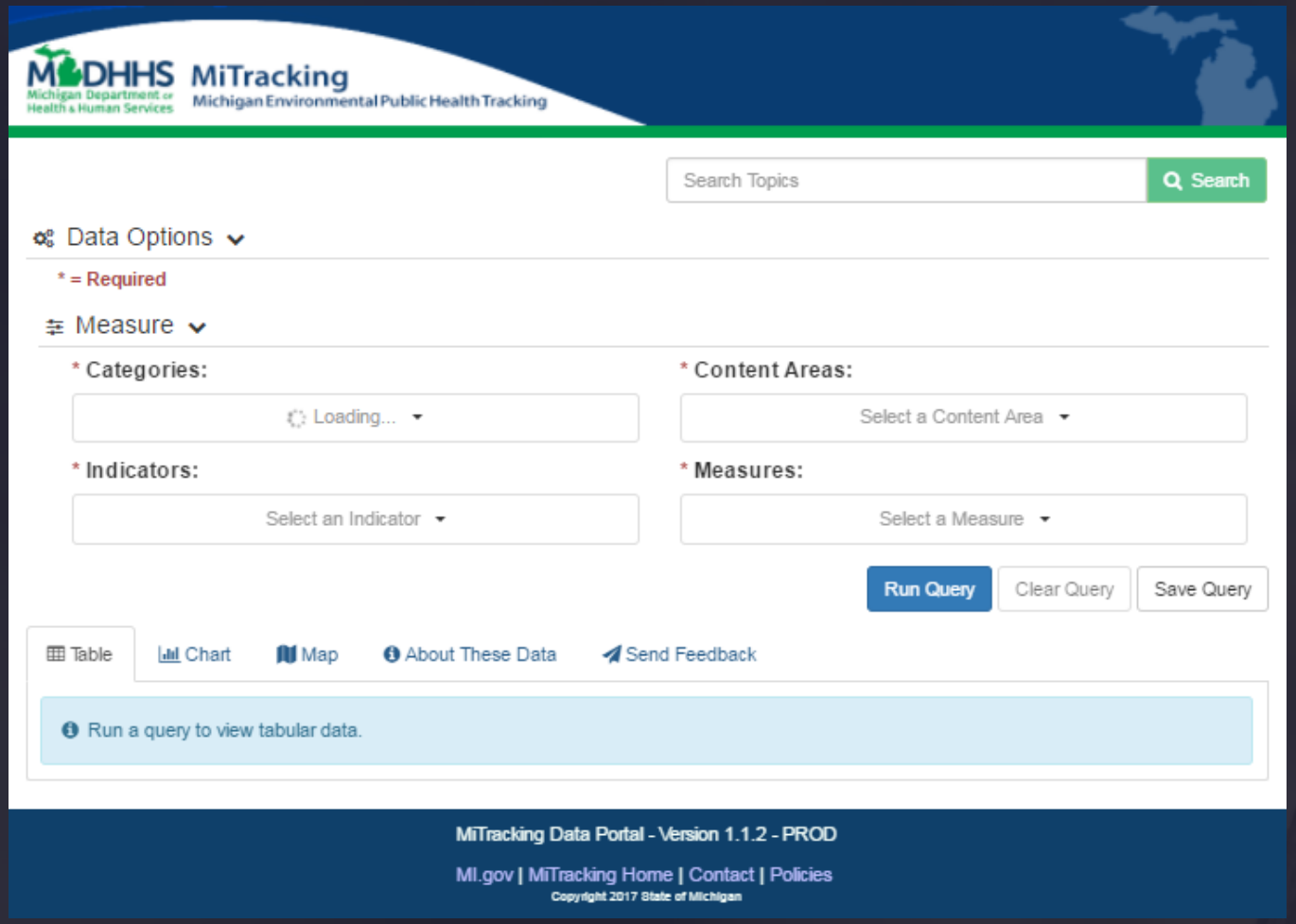


National Tracking Program



MiTracking Data Portal

Contracted with Kunz, Leigh, and Associates



Developed public and administrative applications

- ⇨ Public side has the query function
- ⇨ Administrative side allows MiTracking staff to manage the data and content on the portal

Data on the Portal

- Age of Housing
- Air Quality
- Asthma
- Birth Defects
- Cancer
- Carbon Monoxide Poisoning
- COPD
- Demographics
- Drinking Water
- Heat Illness
- Heart Attack
- Lead Exposure
- Reproductive and Birth Outcomes
- Ticks
- Work-Related Deaths

Up Next:

- Socioeconomics
- Historical Climate
- Lyme Disease
- Workers' Compensation (paid wage loss claims)

Portal Demonstration

MDHHS Michigan Department of Health & Human Services

Search

Assistance Programs | Adult & Children's Services | Safety & Injury Prevention | Keeping Michigan Healthy | Doing Business with MDHHS | Inside MDHHS

- Safety & Injury Prevention
- Children's & Adult Protective Services
- Children's Trust Fund - Abuse Prevention
- Domestic & Sexual Violence
- Injury & Violence Prevention
- Patient Safety
- Public Safety & Environmental Health
- Bureau of EMS, Trauma & Preparedness
- Crime Victim Services
- Division of Emergency Preparedness & Response
- Great Lakes Border Health Initiative
- Michigan Sports Concussion Law
- Toxic Substances
- Safe Delivery

MDHHS / SAFETY & INJURY PREVENTION / PUBLIC SAFETY & ENVIRONMENTAL HEALTH / TOXIC SUBSTANCES

MiTracking - Michigan Environmental Public Health Tracking

MiTracking Michigan Environmental Public Health Tracking

For many years, public health systems across the U.S. faced a knowledge gap about environmental hazards and public health. The Michigan Environmental Health Tracking Program, MiTracking, can help bridge this gap. The MiTracking Program gathers existing Michigan-specific environmental and health data and provides them in one online location.

These data can be easily queried on the MiTracking data portal. Results are provided in tables, charts, and maps that can be downloaded, saved, and printed. The data provided by the MiTracking program can create greater awareness of environmental health concerns, and inform public health actions and programs.

Go to the Data

The MiTracking Program is part of the Centers for Disease Control and Prevention's National Tracking Network.

ENVIRONMENTAL PUBLIC HEALTH TRACKING

- Safety & Injury Prevention
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- Safe Sleep

MDHHS / SAFETY & INJURY PREVENTION / PUBLIC SAFETY & ENVIRONMENTAL HEALTH / TOXIC SUBSTANCES

Asthma

Asthma is a serious life-long disease that is caused by swelling (inflammation) in the airways that carry oxygen in and out of the lungs. It affects many Michigan residents.

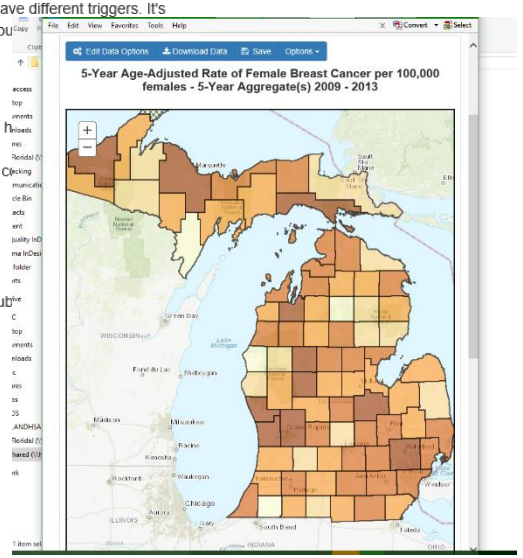
Go to the Data

People of all ages can get asthma. There is no cure, but symptoms can be prevented and controlled with proper care. You can't outgrow asthma, though some people will have fewer symptoms as they grow older. People with asthma can live normal, active lives.

Asthma Triggers

People who have asthma have airways that are very sensitive. The things that make symptoms start are called "triggers." Triggers make airways swell, tighten up, and make too much mucus making it hard to breathe. Each person can have different triggers. It's important to find out what your asthma triggers are and figure ou
Some common triggers are:

- Upper respiratory infections (colds)
- Cigarette smoke, wood smoke
- Outdoor air pollution, especially on days when there are h particle pollution ($PM_{2.5}$)
- Scented products such as air fresheners, hair products, C
- Dogs, cats, birds, small rodents
- House dust mites and cockroaches
- Some foods and food additives
- Changes in weather and/or temperature
- Emotional states that can lead to hyperventilation
- Chemical fumes, gases, dust, animal protein, or other sub while at work



Using the Data

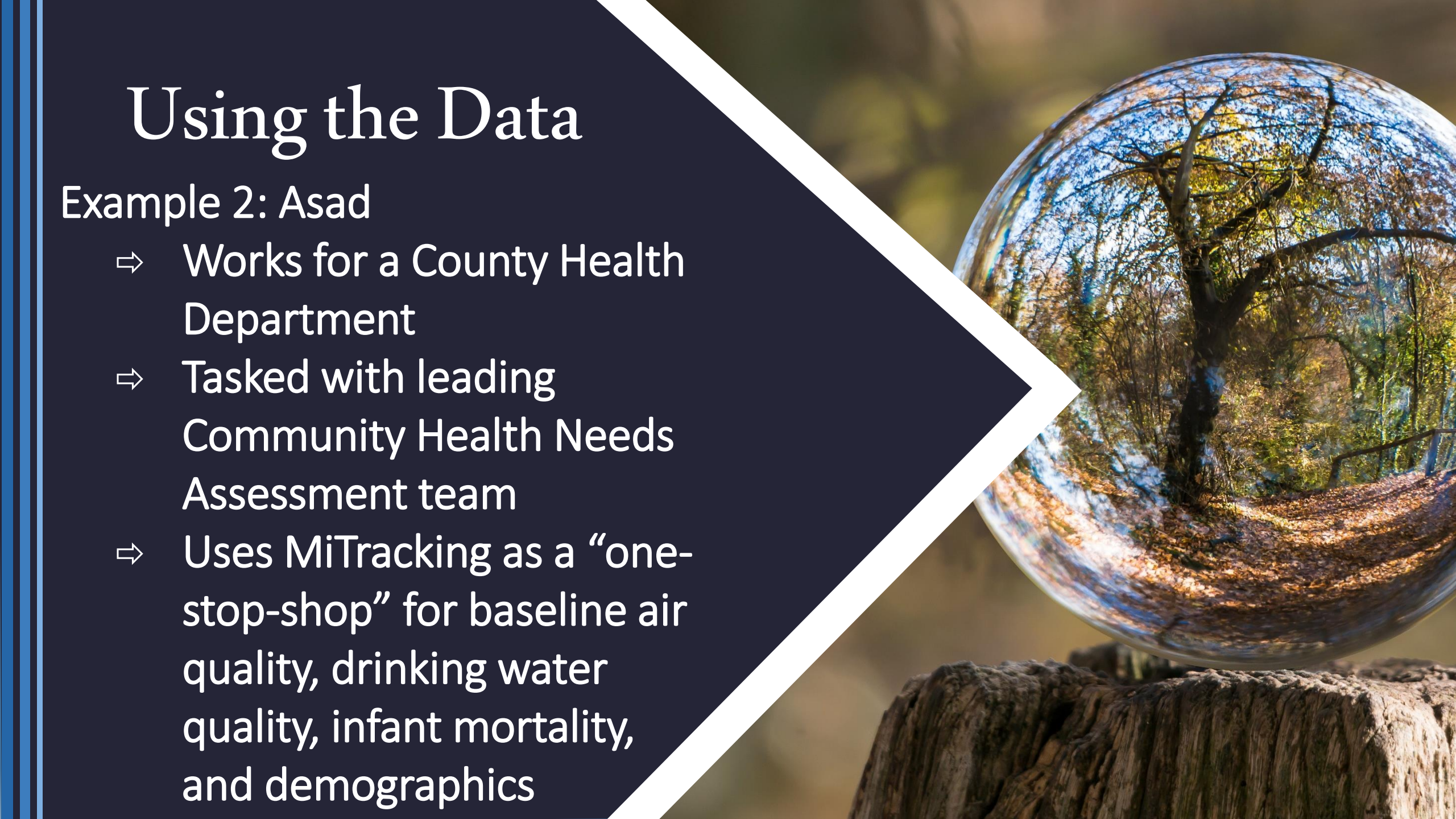
Example 1: Emily

- Public Health student
- Writing a paper for an assignment
- Uses MiTracking to compare Asthma and Air Quality in Michigan Counties

Using the Data

Example 2: Asad

- Works for a County Health Department
- Tasked with leading Community Health Needs Assessment team
- Uses MiTracking as a “one-stop-shop” for baseline air quality, drinking water quality, infant mortality, and demographics



Using the Data

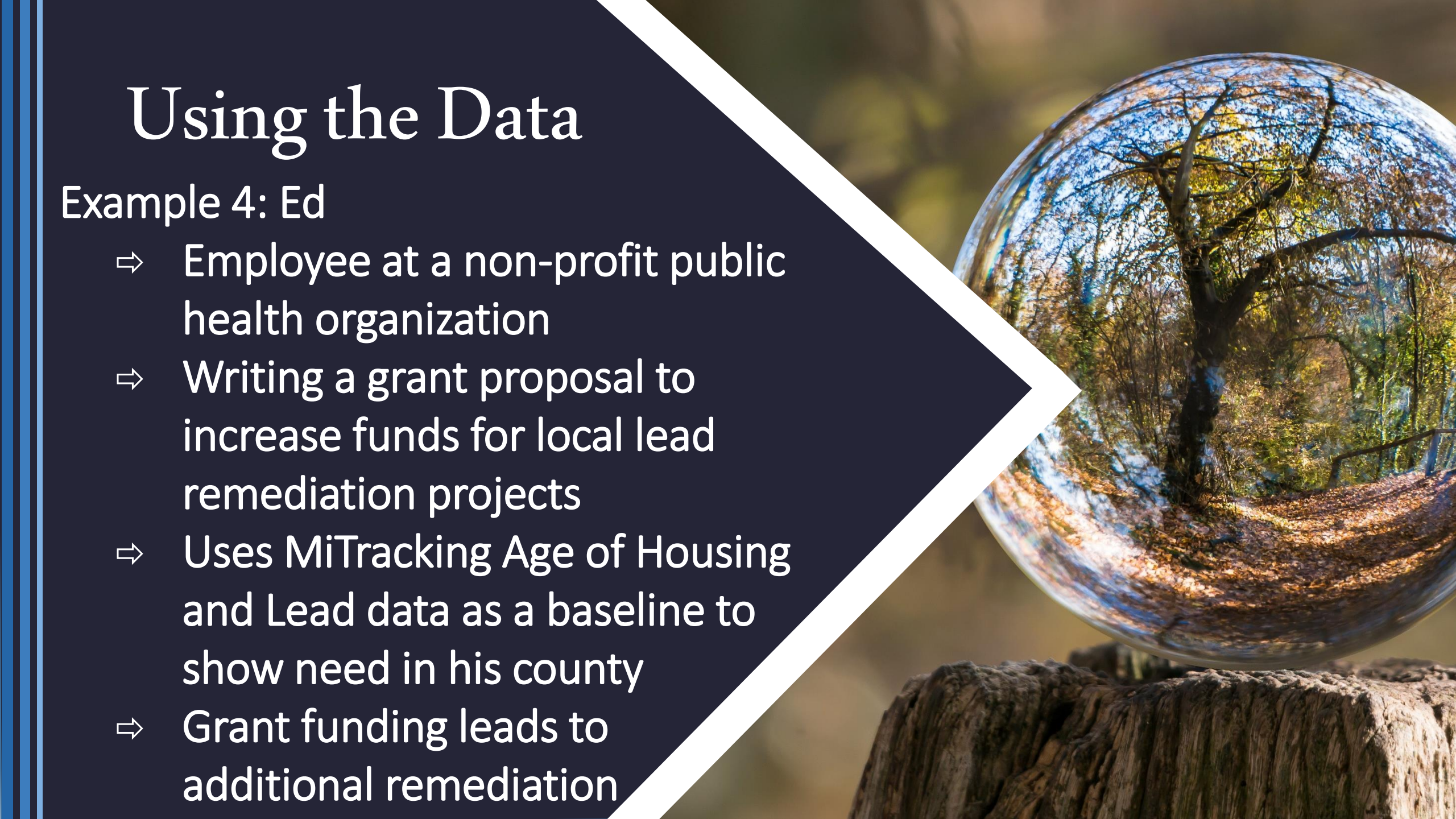
Example 3: Rosa

- Fitness Coach
- Mother of two children, ages nine and six
- Loves hiking and camping as a family
- Checks MiTracking for tick data
- Encouraged to submit ticks and teach others with information learned

Using the Data

Example 4: Ed

- Employee at a non-profit public health organization
- Writing a grant proposal to increase funds for local lead remediation projects
- Uses MiTracking Age of Housing and Lead data as a baseline to show need in his county
- Grant funding leads to additional remediation



Collaborations

Tick Program

- Ad Campaign
  - Blacklegged Ticks
  - Lyme Disease
  - Awareness
  - Prevention

- Find out more about ticks and how to keep yourself safe:
  - MDHHS Tick Submission Kit
  - MiTracking Portal
  - Emerging Diseases website
  - MI-Disease Mapper

Visit the Portal

www.michigan.gov/mitracking

www.cdc.gov/ephtracking

Thank You! Questions?

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