



# Environmental Public Health Tracking: **Better information for better health**

EH Nexus Webinar | September 2021

Division of Environmental Health Science and Practice  
National Center for Environmental Health



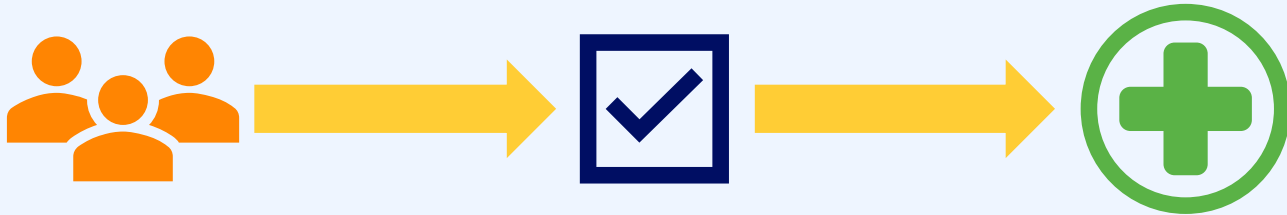
# Presentation Outline

- Introduction to Tracking
- Tracking Network Demonstration
- Tracking in Action
- Resources for Preparedness & Response
- Q & A

# **INTRODUCTION TO TRACKING**



# PROVIDES BETTER INFORMATION FOR BETTER HEALTH



*Tracking empowers people to make information-driven decisions to protect and improve health.*





ENVIRONMENTAL PUBLIC HEALTH

**TRACKING**

# CONNECTS ENVIRONMENT & HEALTH INFORMATION

## Environmental

- Radon
- Drought
- Sunlight & UV
- Wildfire Smoke

- Air Quality
- Extreme Heat
- Drinking Water
- Flood Vulnerability
- Community Design

- Pesticide Exposures
- Toxic Substance Releases
- Other Environmental Chemicals

## Exposures

## Health Effects

- Asthma
- Cancer
- Heart Disease
- Heat Stress Illness
- Childhood Lead Poisoning
- Developmental Disabilities
- Carbon Monoxide Poisoning
- Reproductive and Birth Outcomes

## Population Characteristics

- Lifestyle Risk Factors
- Socioeconomics
- Demographics
- Vulnerabilities





ENVIRONMENTAL PUBLIC HEALTH

# TRACKING DELIVERS DATA RELEVANT TO YOUR NEEDS

*Tracking makes standardized  
data easier to use.*

- **Data Visualizations**
- **Interactive Tools**
- **Contextual Information**
- **Downloadable Datasets**
- **State & Local Resources**



**Dashboards**



**Interactive Data Explorer**  
*(maps, charts, and tables)*

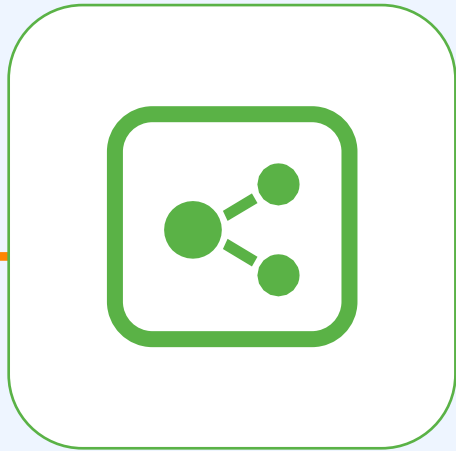


**Application Program  
Interface (API)**

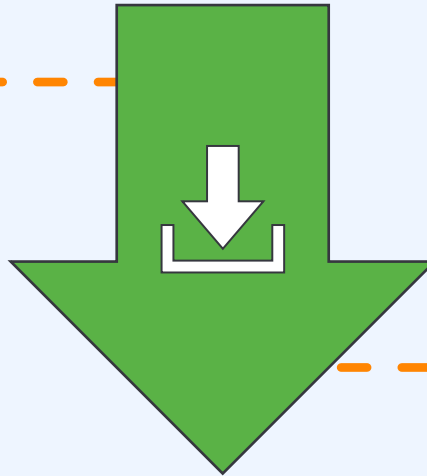


**Location-specific Information**  
*(census tract, county, state, national)*

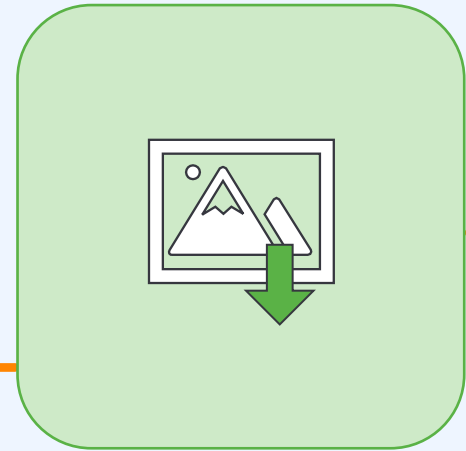
ENVIRONMENTAL PUBLIC HEALTH  
**TRACKING MAKES DATA EASY TO SHARE**



**Share links**



**Download data files**



**Create image files & embeddable code**



# ENVIRONMENTAL PUBLIC HEALTH TRACKING NETWORK

## Demonstration

[www.cdc.gov/ephtracking](http://www.cdc.gov/ephtracking)

The screenshot shows the homepage of the CDC National Environmental Public Health Tracking Network. At the top, the CDC logo and name are displayed, along with a search bar and a 'CDC A-Z INDEX' dropdown. The main heading is 'National Environmental Public Health Tracking Network'. Below this, there are social media icons for Facebook, Twitter, and a plus sign. A section titled 'Better information for better health' explains the network's purpose and lists key areas: environments and hazards, health effects, and population health. It also provides a list of user actions: using the Data Explorer, viewing info by location, and visiting state/local tracking websites. A 'POWERED BY TRACKING' logo is visible. A featured image shows a person using a laptop with the 'ENVIRONMENTAL JUSTICE DASHBOARD' displayed. Below the main text are three promotional tiles: 'ACCESS THE NEW DATA EXPLORER' (with a 'GO' button), 'INFO BY LOCATION' (with a 'GO' button), and 'STATE & LOCAL TRACKING PROGRAMS' (with a 'GO' button). At the bottom, there are three navigation tabs: 'Environments', 'Health Effects', and 'Population Health'.

CDC Centers for Disease Control and Prevention  
CDC 24/7: Saving Lives. Protecting People.™

SEARCH

CDC A-Z INDEX

### National Environmental Public Health Tracking Network

f t +

**Better information for better health**  
The National Environmental Public Health Tracking Network (TrackingNetwork) brings together health data and environment data from national, state, and city sources and provides supporting information to make the data easier to understand. The Tracking Network has data and information on [environments and hazards](#), [health effects](#), and [population health](#).

On the Tracking Network, you can:

- Use the Data Explorer to view interactive maps, tables, and charts
- View Info by Location for county level data snapshots
- Visit state & local tracking websites

CDC's National Environmental Public Health Tracking Program created and maintains the Tracking Network. [Learn more about Tracking.](#)

**ENVIRONMENTAL JUSTICE DASHBOARD**

POWERED BY TRACKING

ACCESS THE NEW DATA EXPLORER  
View & download all data  
Maps - Charts - Tables  
GO

INFO BY LOCATION  
Data for you!  
View data by county or zip code  
GO

STATE & LOCAL TRACKING PROGRAMS  
Web sites  
Graphic Profiles  
Data highlights  
GO

Environments Health Effects Population Health

# TRACKING IN ACTION

# HELPS IMPROVE HEALTH WITH **DATA, TOOLS, AND EXPERTISE**



*Target  
prevention  
activities*



*Monitor  
community health*



*Identify  
communities at risk*



*Support  
epidemiologic  
studies*



*Educate residents*



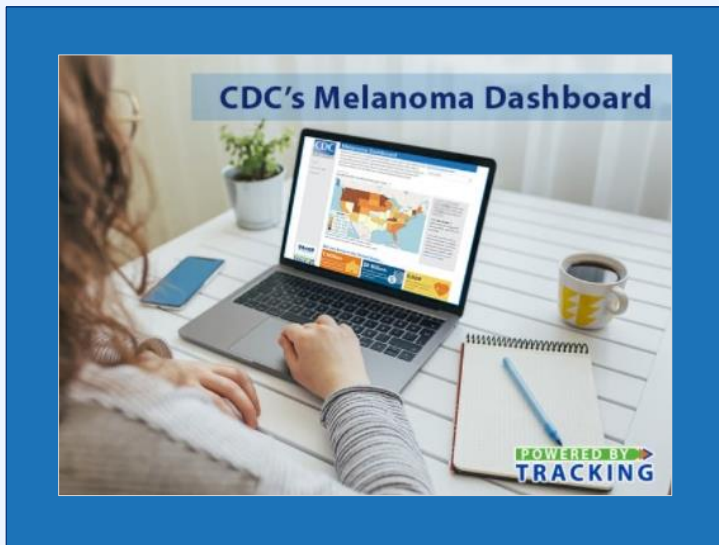
*Inform city or  
state planning*



*Inform health policies*

# TRACKING IN ACTION

POWERED BY   
TRACKING



## CDC's COVID Data Tracker

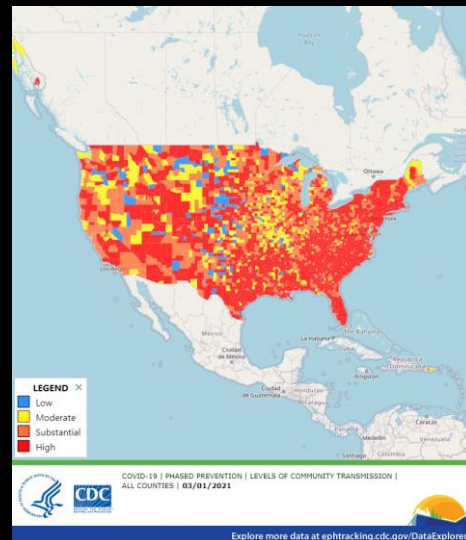


CDC Tracking Network  @CDC\_EPHTracking · Apr 19

See new animated maps on the COVID Data Tracker, powered by CDC's Tracking Network: [bit.ly/COVIDDataTrack...](https://bit.ly/COVIDDataTrack...)

Choose the data you're interested in, then click "View Time Lapse," to see how #COVID19 trends are changing over time.

#PoweredByTracking



# **TRACKING & PREPAREDNESS**

# TRACKING'S ROLE IN PREPAREDNESS ACTIVITIES



*identify households or  
geographies at risk*



*determine available  
community assets*



*calculate needed  
resources*

# PREPAREDNESS RESOURCES



## Datasets

- Community Characteristics
- Populations & Vulnerabilities
- Flooding & Precipitation
- Extreme Heat

## Tools

- Wildfire smoke tool
- Real-time overlays
- Points of interest





# DASHBOARD DEMOS



The image features the text "Q & A" in a bold, dark blue font. The "Q" is positioned inside a light green speech bubble pointing to the left. The "&" and "A" are positioned inside a light orange speech bubble pointing to the right. The background is a light blue gradient. The entire graphic is centered horizontally.

**Q & A**



**Visit the Tracking Network today!**

[www.cdc.gov/ephtracking](http://www.cdc.gov/ephtracking)

[nephtrackingsupport@cdc.gov](mailto:nephtrackingsupport@cdc.gov)

**Follow Tracking on social media:**



[facebook.com/CDCEPHTracking](https://facebook.com/CDCEPHTracking)



[@CDC\\_EPHTracking](https://twitter.com/CDC_EPHTracking)

For more information, contact NCEH  
1-800-CDC-INFO (232-4636)  
TTY: 1-888-232-6348      [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

