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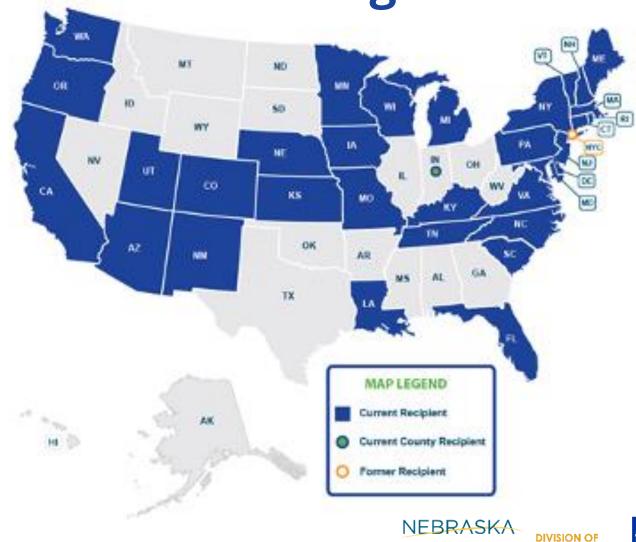








# National Environmental Public Health Tracking











## **Turning Data Into Action**







Identify communities at risk



Support epidemiologic studies



Inform city or state planning

Inform health policies









## Data Into Action: Across the Nation







#### **California**

 Created traffic tool to identify air pollution risks for city planning

#### Maine

 Expanded surveillance prevention of CO poisoning

**Missouri** 

Cooling Center Map









## Nebraska Environmental Public Health Tracking



5-Year Grant (2022-2027)

**Partners and Stakeholders:** 

**UNMC WCHP** 

Data Stewards (ex: NDEE)

**Local Health Departments** 

**Community Organizations** 

Nebraska Residents











## **Data Surveillance Areas**

#### Air Quality

• Ozone, PM 2.5

#### Asthma

ED and Hospitalizations

#### Birth Defects

Prevalence

#### Cancer

- Incidence (Registry)
- Mesothelioma, melanoma, breast cancer, bladder cancer, leukemia, others

#### CO Poisoning

- Mortality (death cert)
- ED Visits & Hosp (HDD)

## Childhood Lead Poisoning

BLL data (NEDSS)

#### COPD

• ED and Hospitalizations

## Drinking Water Quality

Nitrates, DBPs, arsenic, others

#### Heat Illness

• ED and Hospitalizations

#### Heart Attacks

Hospitalizations (HDD)

#### Radon

Testing data

## Reproductive & Birth Outcomes

Mortality (birth registry)

\*Plus, priority topics as defined by partners, stakeholders, & communities





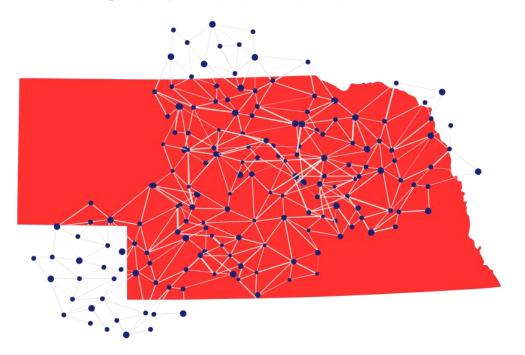






## How will these data be shared?

#### **State Data Portal**



#### **National Data Portal**









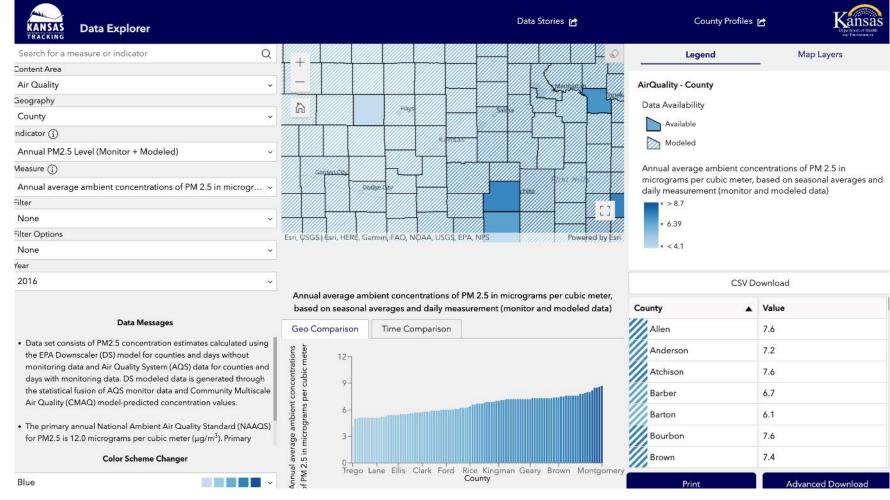


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## **Developing Nebraska's Data Portal**









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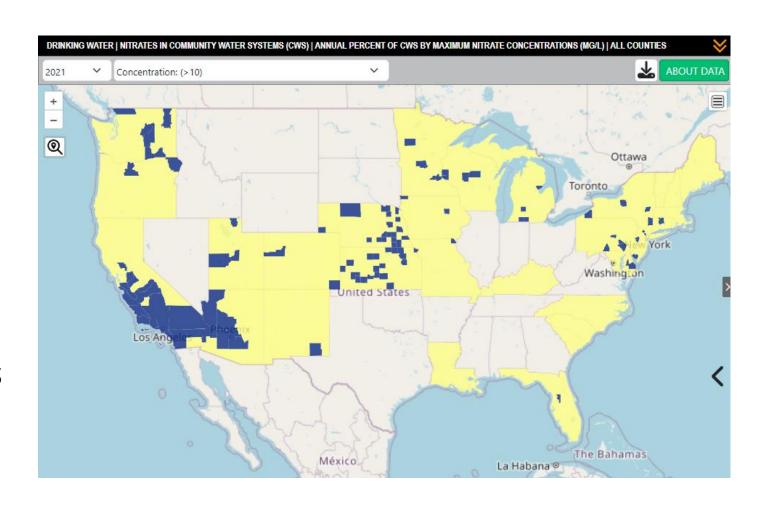


## Nebraska's Data in the CDC Data Portal

https://ephtracking.cdc.gov/

DRINKING WATER |
NITRATES IN COMMUNITY
WATER SYSTEMS (CWS)

ANNUAL PERCENT OF CWS
BY MAXIMUM NITRATE
CONCENTRATIONS (MG/L)









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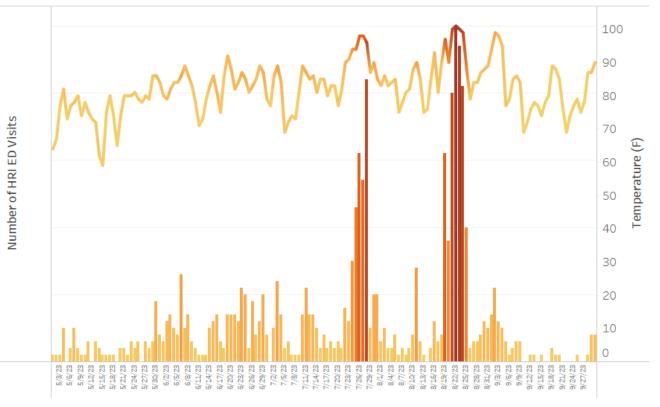


## **Current Projects**

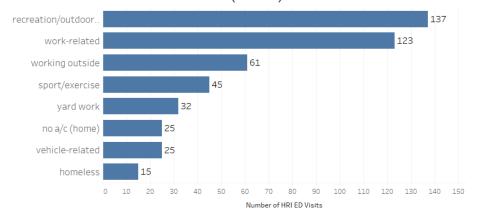
## **Heat-Related Illness**



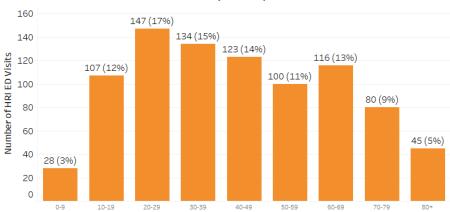
Heat-related Illness ED Visits, Nebraska, May-September, 2023 (N=880)



#### Heat-related Illness ED Visits by Reported Activity, May-September, 2023 (N=463)



#### Heat-related illness ED visit by age group, Nebraska, May-September, 2023 (N=880)







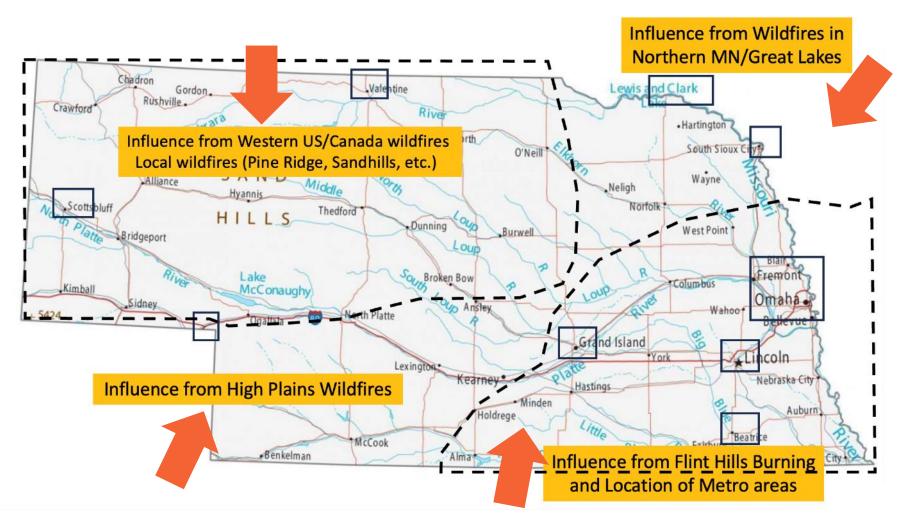




## **Increasing Air Quality Sensors in the State**

29 new Purple Air Sensors











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## **Next Steps and Opportunities**

- Air quality curriculum for youth
- Communication products
- Drought and health dashboard
- Air quality and prescribed burns
- Health outcomes from the 2019 floods
- Endless opportunities for utilizing Earth Observations









### Let's Continue the Conversation!

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# Stay up to date with Nebraska Tracking!







