Nebraska Environmental Public Health Tracking

Better data for better health.

Rachael Birn, MPH

3/1/2024

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DIVISION OF PUBLIC HEALTH

CDC CENTERS FOR DISEASE CONTROL AND PREVENTION

WATER, CLIMATE & HEALTH PROGRAM

Jesse Bell, PhD

Rachael Birn, MPH

Summer Woolsey, MPH

Chris Allmon

Derry Stover, MPH

Sue Dempsey, MS

Siddhi Munde, MS

Babak Fard, PhD

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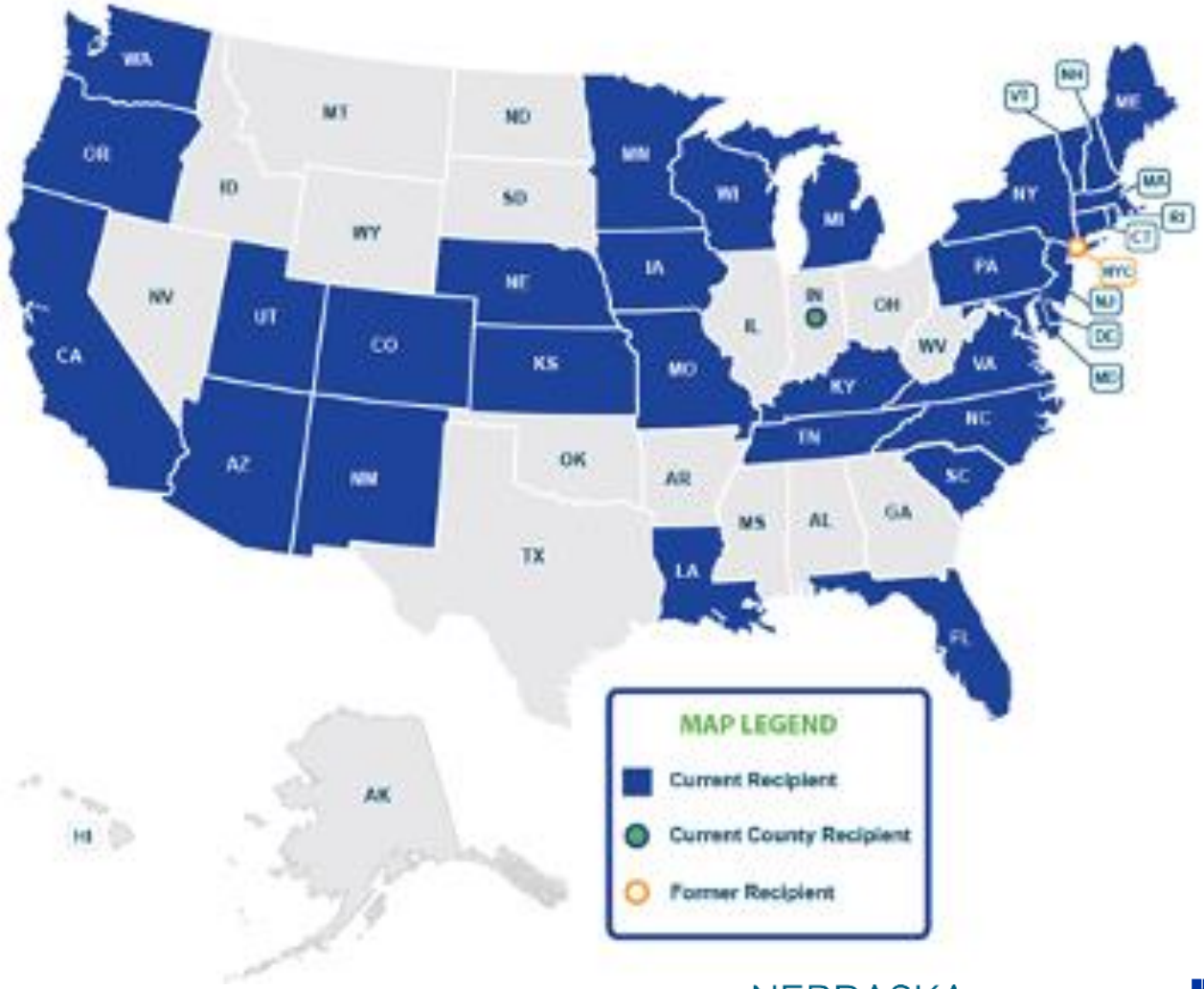
National Environmental Public Health Tracking



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Turning Data Into Action

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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

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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

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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**

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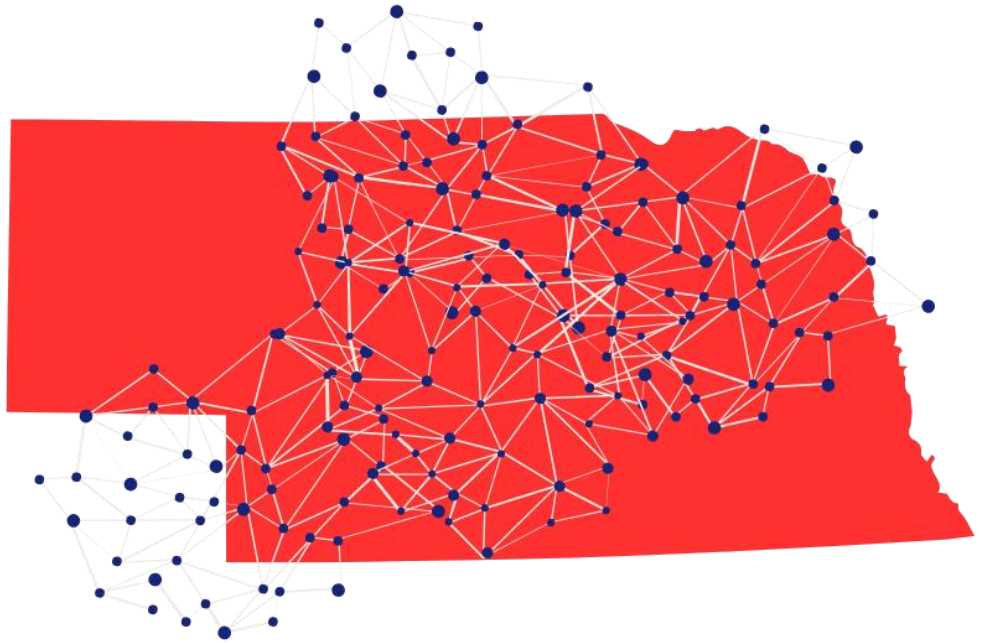
How will these data be shared?

State Data Portal



National Data Portal

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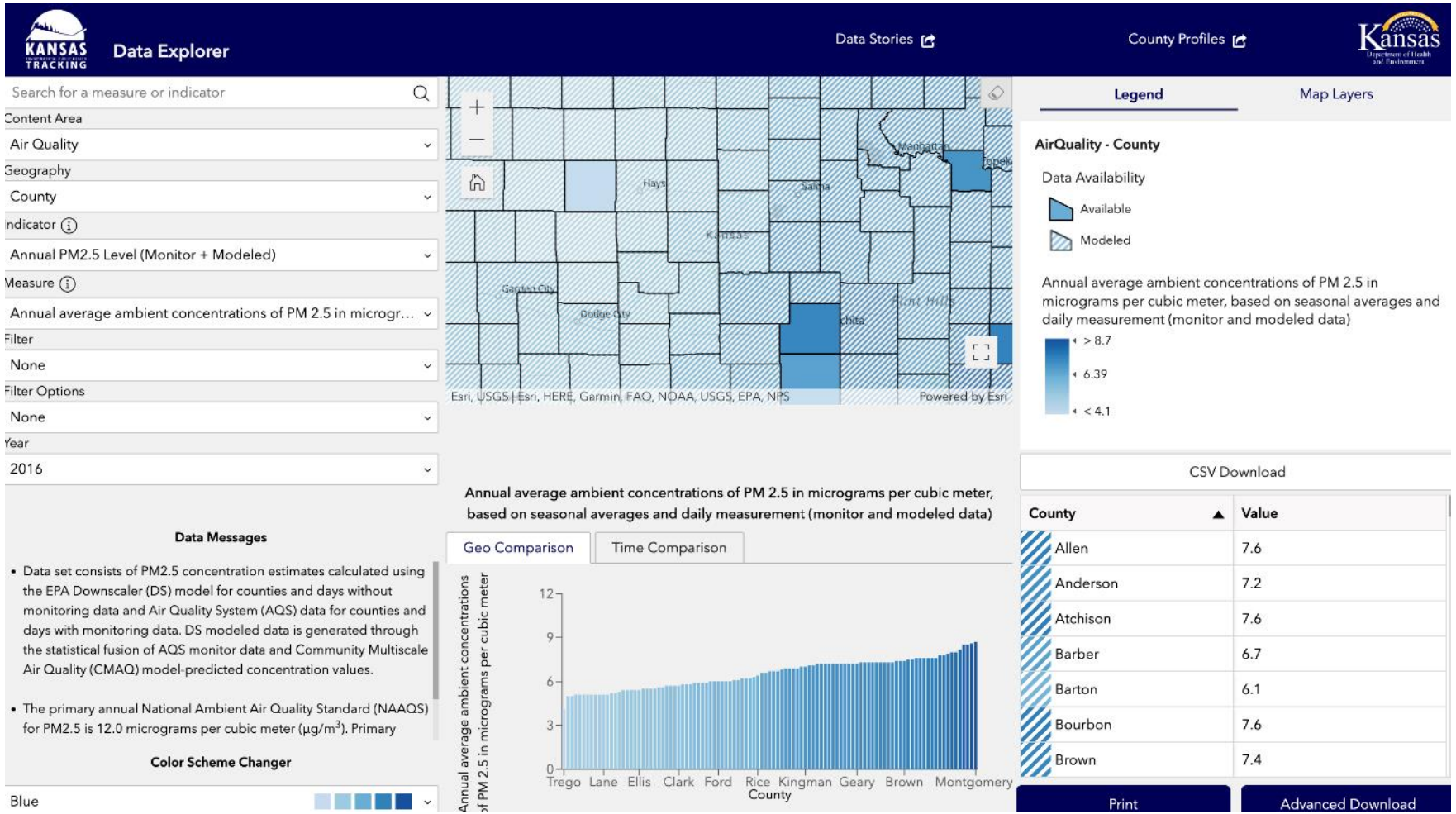
Developing Nebraska's Data Portal

Kansas Tracking's Data Portal



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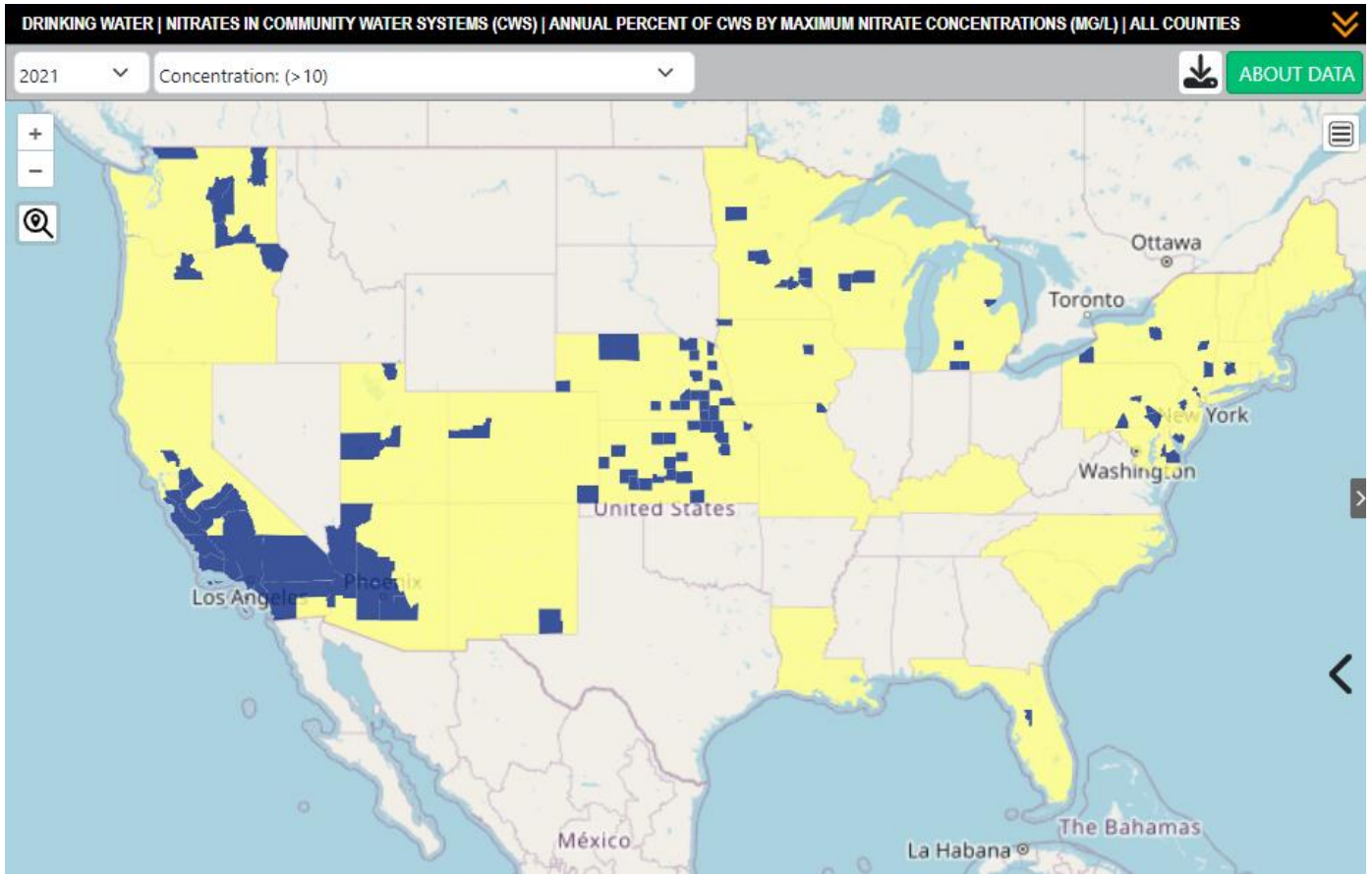
Nebraska's Data in the CDC Data Portal

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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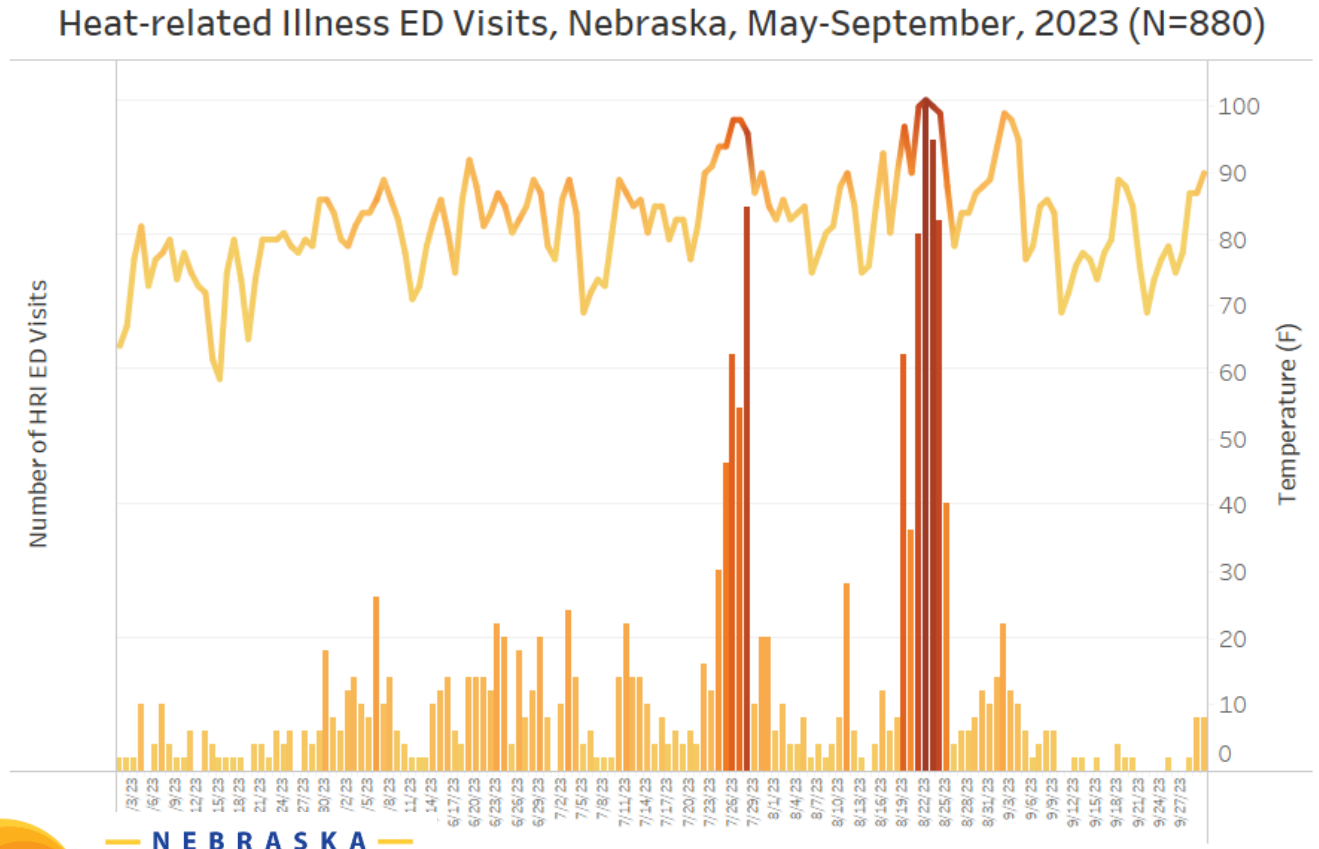
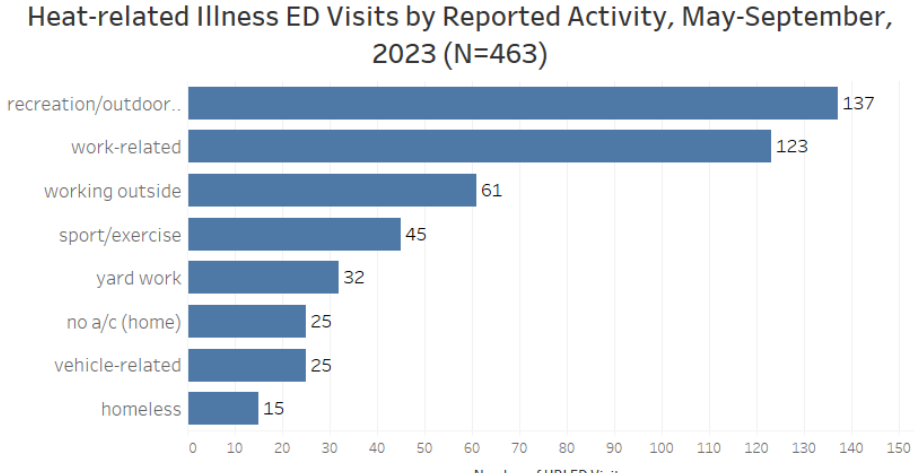
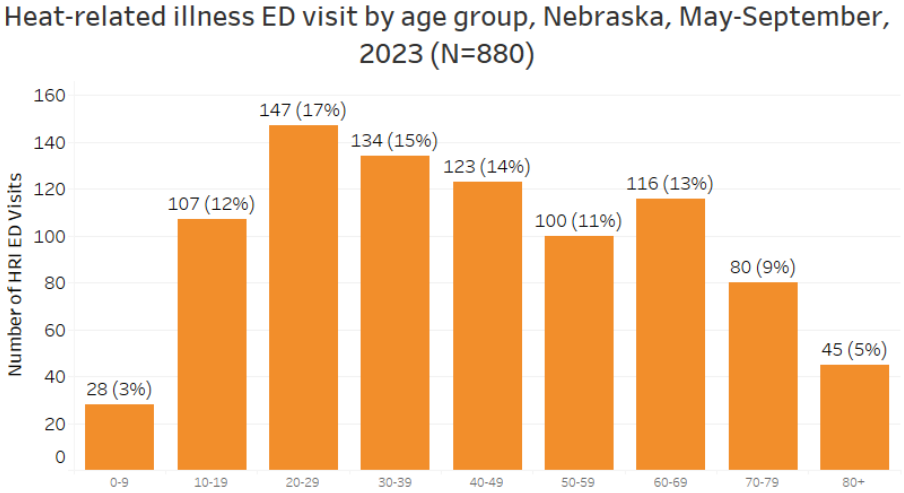
Current Projects

Heat-Related Illness







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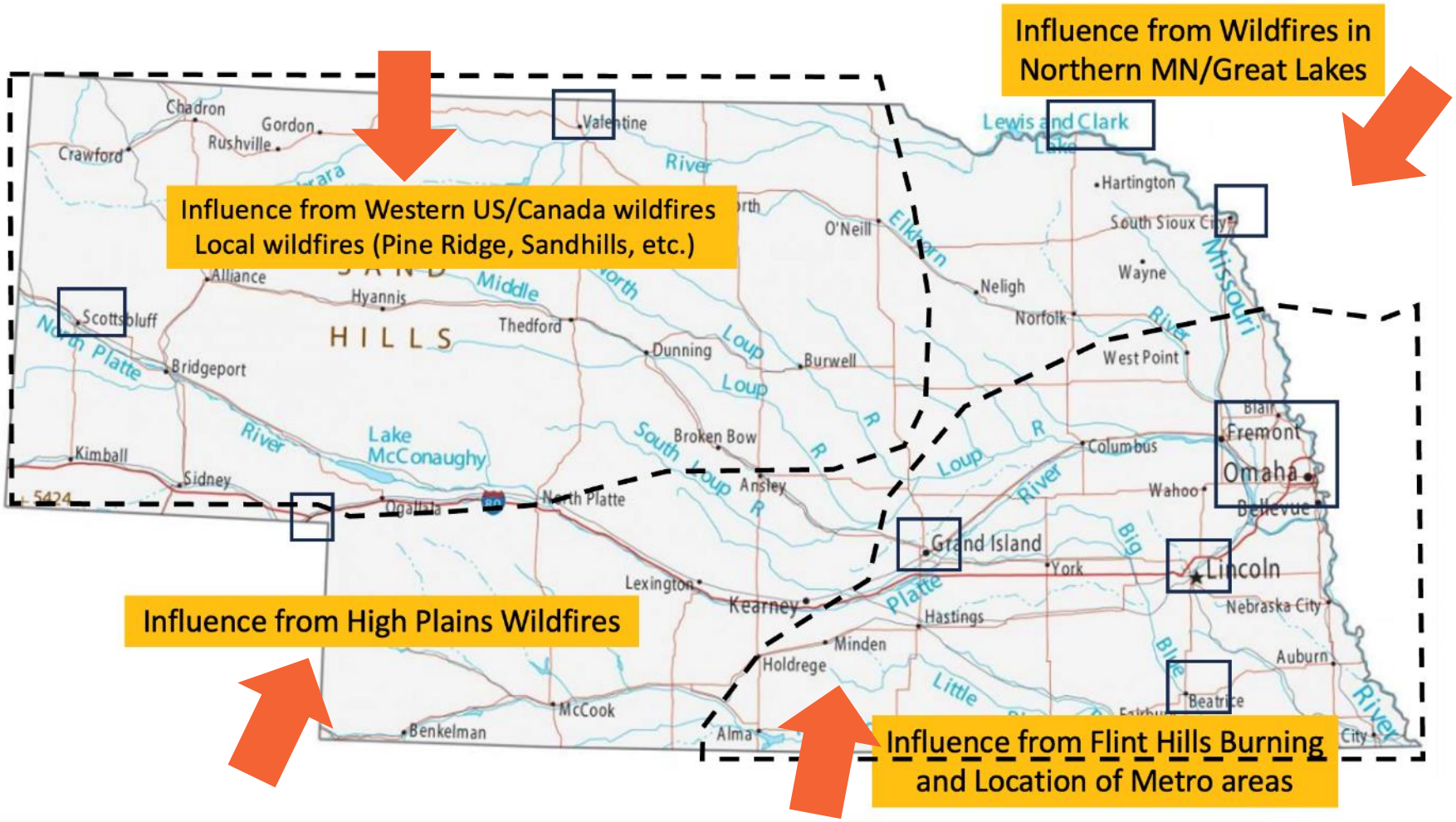
Increasing Air Quality Sensors in the State

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!

Rachael Birn
rachael.birn@nebraska.gov

Summer Woosley
summer.woolsey@unmc.edu

Stay up to date with Nebraska Tracking!

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