Lauren Anderson, MPA University of Louisville



### Pollution in the Ohio River

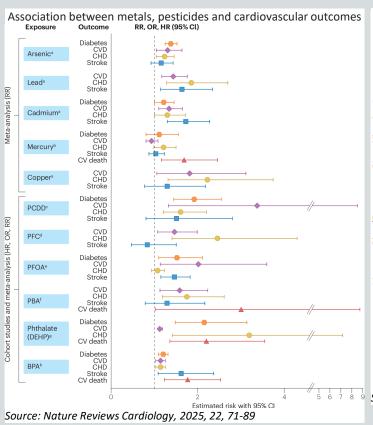
### **Exposure is multi-source and cumulative:**

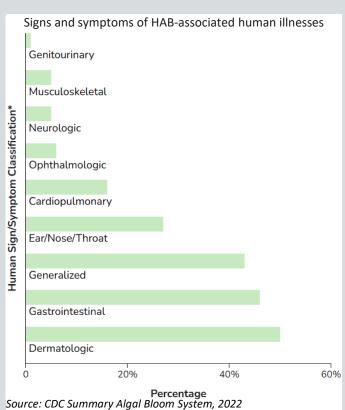
- Pollution primarily stems from industry, agriculture, and urban wastewater.
- Exposure impacts fish, wildlife, and humans via water, air, and food sources.

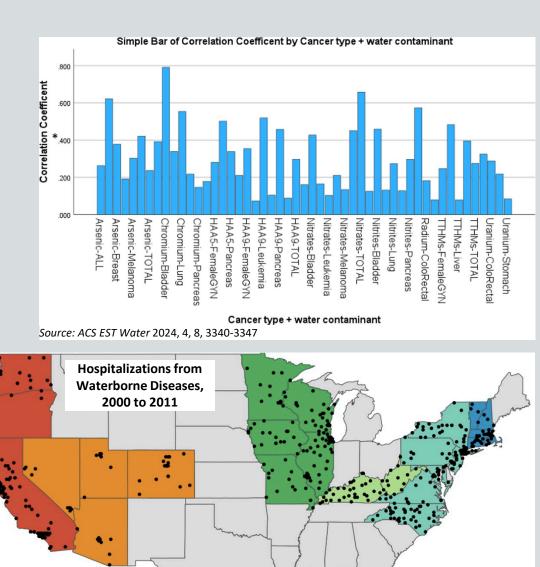




# Impacts on Public Health









Source: PLOS Water 2024, 3, 8, e0000206

# Mitigation and Remediation

• Mitigation: Rubbertown Industrial Corridor, Louisville, KY

#### 1990's

Initial assessment and identification of chemical storage and spill sites.

#### 2000's

Remediation and monitoring begins under RCRA and Superfund.

#### 2010's

Remediation and monitoring continue, public health guidance.

#### 2020-present

Continued monitoring and integration air toxics exposure burdens into health assessments.

• Remediation: Allied Chemical & Ironton Coke, Ironton, OH

#### 1980's

Site added to
National Priorities
List. Cleanup begins
with installation of
underground
barriers.

#### 1990's

Soil remediation, groundwater containment, sediment caps, and solid waste cover.

#### 2000 and 2010's

Part of site returned to city for reuse, reuse planning begins, and site assessments.

#### 2020-present

Majority of site removed from NPL, installation of solar project, active industrial and commercial use.



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## River and Watershed Interventions

- Cincinnati and Pittsburgh Green
   Streets Initiatives
- Recreational Access and Riverfront Restoration

