

US EPA ARCHIVE DOCUMENT

Research and Data Needs for Assessing and Addressing Disproportionate Environmental Health Impacts Among Minority and Disadvantaged Populations

National Health Data

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**Centers for Disease Control and Prevention
National Center for Health Statistics**

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Data

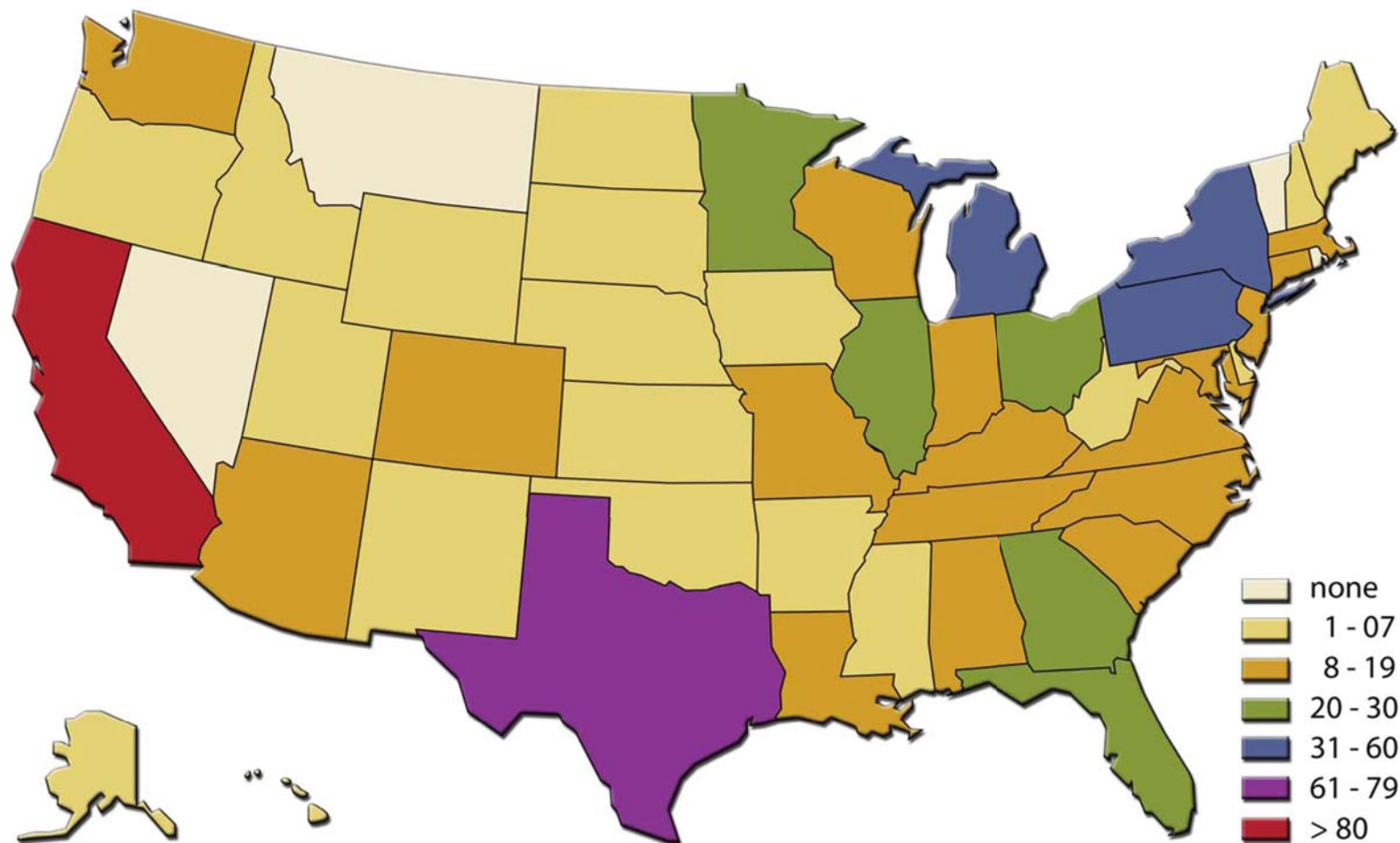
- Sources
 - National Health Surveys, including
 - National Health and Nutrition Examination Survey (NHANES)
 - National Health Interview Survey (NHIS)
 - National Health Care Survey
 - Vital Statistics (birth, death records)
- Trends
- Comparisons for subpopulations
- Large numbers of health, individual, family and household characteristics
- Benchmarks

Community estimates

- Disclosure risks
 - National health surveys cannot be used to identify specific areas of high environmental exposure or disparity

Challenge: NHANES Doesn't Work at the Community Level

(Frequency of NHANES Communities Visited)



Community HANES

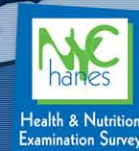
- Smaller scope
- Target to the community's health issues
- Collaboration between NCHS and community
 - Design
 - Field implementation
 - Post-study communication
 - Share proven processes, approaches, job aids, and protocols



Oregon Health Study (OHS)



Survey of the Health of Wisconsin (SHOW)



New York City HANES

CHANES SUCCESS STORIES

Data linkage

- Record linkage
 - National Death Index, Medicare files, Social Security files
- Geographic linkage
 - Geocoding in collaboration with HUD
 - Mobility data for some surveys and data years
 - Census-based measures
 - Environmental exposures from EPA
 - Other?
- Linkages increase risk of disclosure so analysis is done in a Research Data Center

Summary

- National data useful for monitoring trends, comparing subpopulations defined by demographic and health characteristics (including disparities), and providing benchmarks for local areas
- Community HANES
- Can extend usefulness of existing data through linkages

