EMPOWERING COMMUNITY HEALTH CHANGE WITH DATA & RESOURCES

500 Cities, County Health Rankings & Roadmaps and Community Commons

SOUTHERN OBESITY SUMMIT

ATLANTA, GEORGIA SEPTEMBER 2, 2017 Building a Culture of Health, County by County

County Health <u>RANKINGS</u> & Roadmaps Data for Community Transformation

Mary Bennett, MFA
Associate Researcher & Community Coach





County Health Rankings & Roadmaps

Building a Culture of Health, County by County







County Health Rankings & Roadmaps is a collaboration between the Robert Wood Johnson Foundation and the University of Wisconsin Population Health Institute.

Building a Culture of Health, County by County

COUNTY HEALTH RANKINGS LOGIC MODEL

Population based data collected

> County Health Rankings



→ Media attention ¹

Community
leaders use
Rankings
release

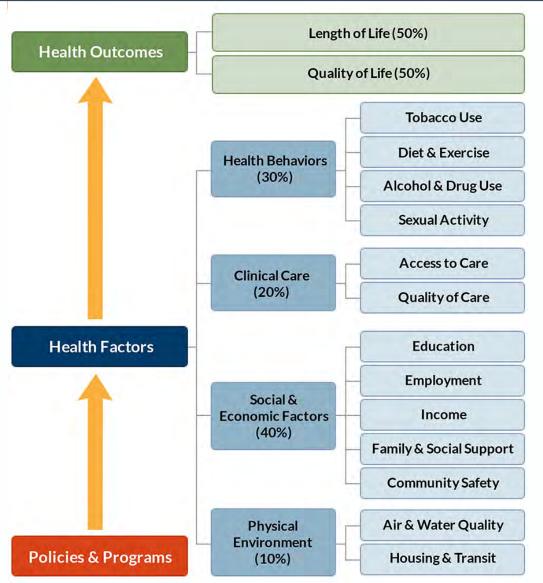
Broad community engagement

Evidenceinformed strategies implemented

Improved health outcomes

Increased health equity

County Health Rankings: Defining health in the broadest possible terms









HEALTH RANKINGS ✓

ROADMAPS TO HEALTH >

RESOURCES

MORE V

Search by county, state, or topic





2018 RWJF Culture of Health Prize applications are now available!

How Healthy is Your Community?

The annual Rankings provide a revealing snapshot of how health is influenced by where we live, learn, work and play. They provide a starting point for change in communities.

WWW.COUNTYHEALTHRANKINGS.ORG

County Health Rankings & Roadmaps

Building a Culture of Health, County by County



The annual Rankings provide a revealing snapshot of how health is influenced by where we live, learn, work and play. They provide a starting point for change in communities.

Choose a state from the map or search below to begin.

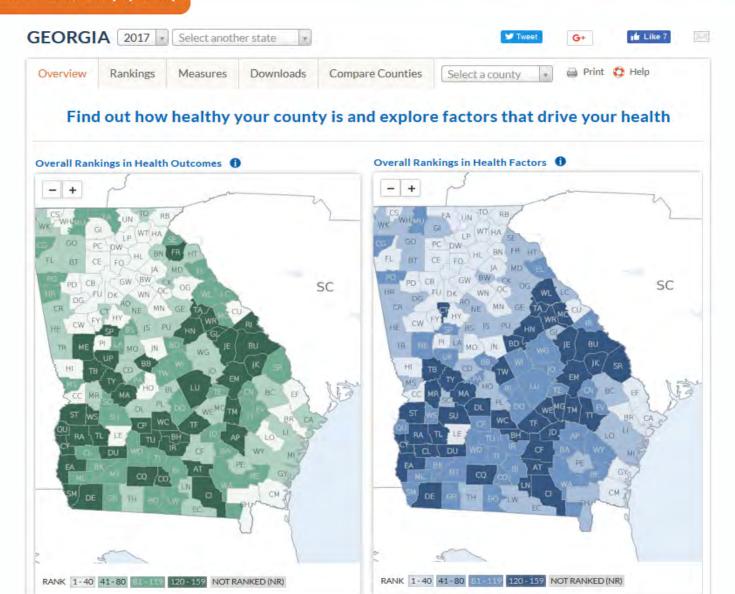
Find your state or county

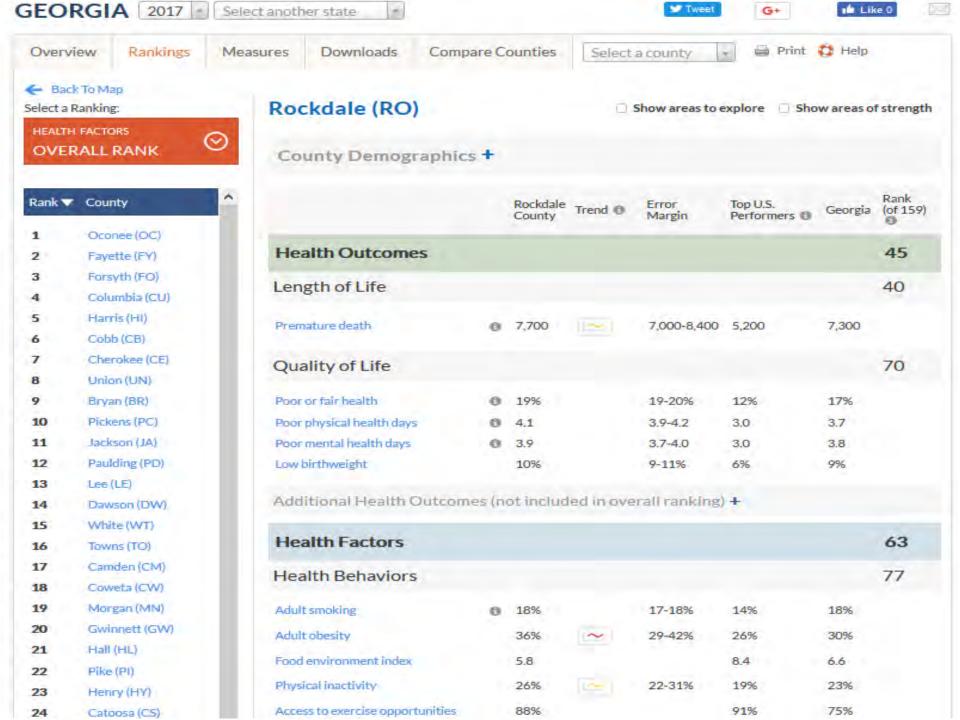
Search



County Health Rankings & Roadmaps

Building a Culture of Health, County by County







food environment index

food environment index





Image source: southernidaholiving.com

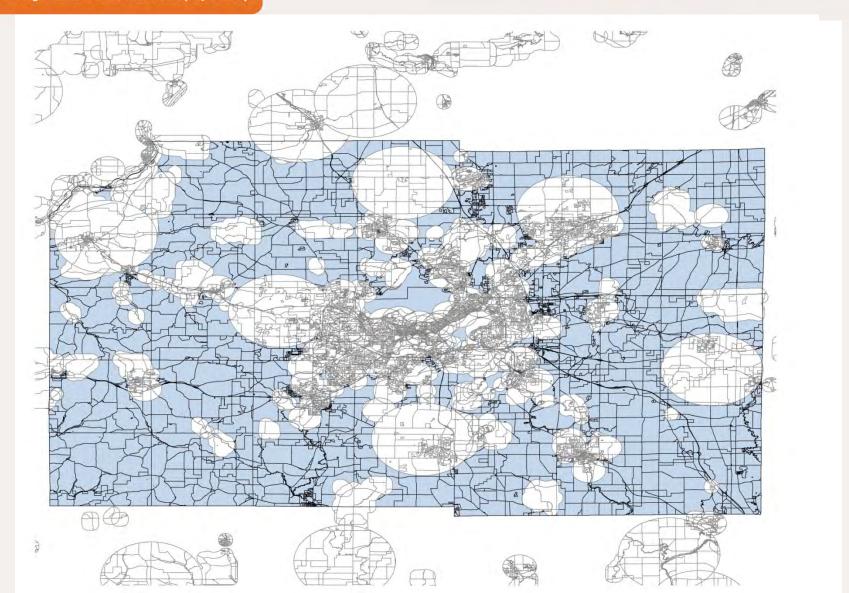
access to exercise opportunities





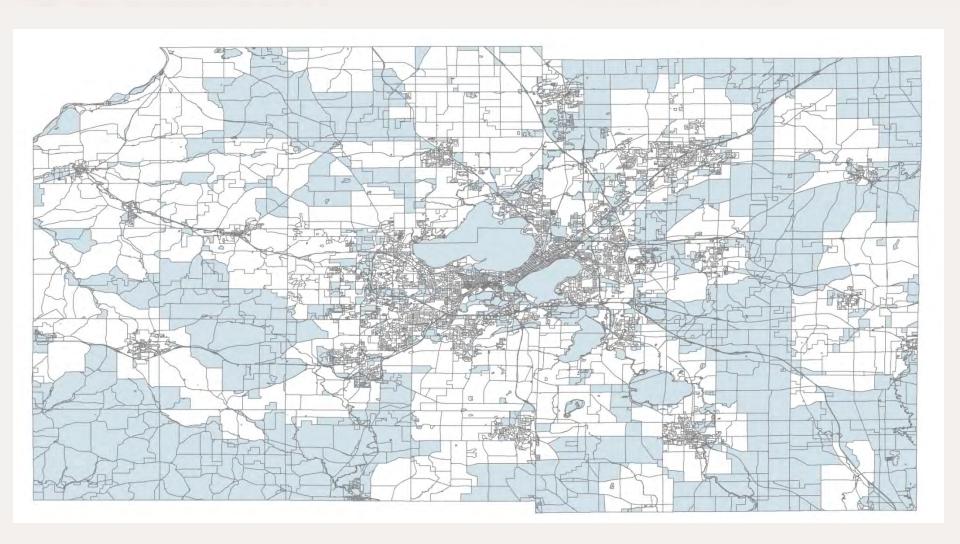
County Health Rankings & Roadmaps

Building a Culture of Health, County by County



County Health Rankings & Roadmaps

Building a Culture of Health, County by County

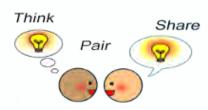


Building a Culture of Health, County by County

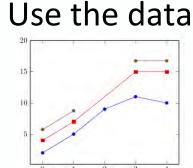
RANKINGS AS AN OPPORTUNITY TO:

Create a sense of urgency





Share the data







Engage elected officials

Better understand your community's challenges & strengths, determine priorities, select effective strategies & take action!

Chronic Disease Indicators and 500 Cities

James B. Holt, MPA, PhD

October 2, 2017



Two CDC Resources

- Chronic Disease Indicators (CDI) States
- **■** 500 Cities Cities and Census Tracts
- Comparison

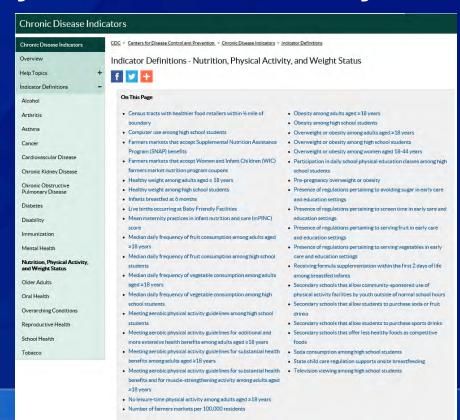
CHRONIC DISEASE INDICATORS

Chronic Disease Indicators (CDI) – Overview

- CDC, CSTE, and NACDD
- Recommended set of chronic disease surveillance indicators
- Uniformly-defined indicator definitions

CDI – Indicators

- 18 indicator groups for 124 indicators
- Nutrition, Physical Activity & Weight Status (37)
- Crude and age-adjusted
- Stratified by sex and race/ethnicity

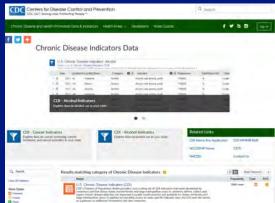


CDI Websites

- □ https://www.cdc.gov/cdi
 - Background information
 - Indicator definitions
 - Charts
 - Tables
 - Interactive maps



- □ https://chronicdata.cdc.gov/health-area/chronic-disease-indicators
 - Open data
 - Query and download



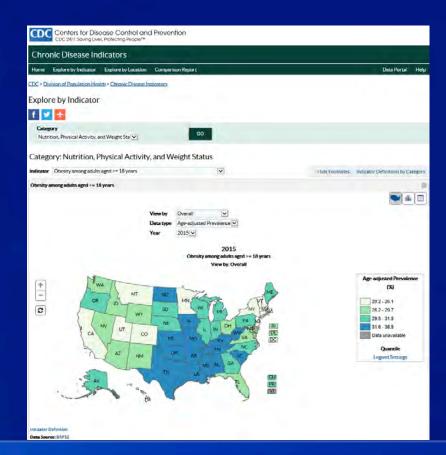
CDI – Potential Uses

 Initial source of information on wide range of chronic disease risk factors and health outcomes

Maps & graphs for burden reports or needs

assessments

Performance metrics



CDI – Potential Uses (continued)

- How does my state perform on multiple indicators?
- What is the geographic variation for one particular indicator?
- Where are high needs areas?
- Are there significant differences between men and women; between racial/ethnic groups?

500 CITIES

500 Cities – Overview

- Robert Wood Johnson Foundation, CDC Foundation, and CDC
- Small area estimates for the 500 largest American cities, and the census tracts within these cities

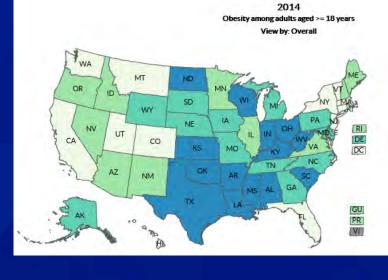


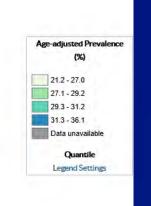
500 Cities: Local Data for Better Health

- Provide high quality, small-area estimates for 27
 - Behavioral risk factors that influence health status
 - Health outcomes
 - Use of clinical preventive services
- Leverages the Behavioral Risk Factor Surveillance System

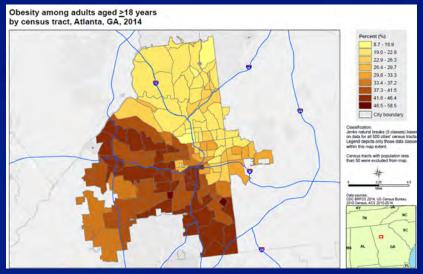
Our Vision

To go from this:





To also have this:



Methods: Small Area Estimation

- Problem: insufficient (or no) sample sizes to create direct survey estimates at the city level
- Small area estimation (SAE) enables the prediction of prevalence for "small" areas (geographically or statistically) where there are small or no samples
- Numerous approaches to SAE
- Our models predict the statistically expected risk of health behaviors or conditions for:
 - 208 demographic groups (defined by age, gender, race/ethnicity)
 - Further adjusted by where they live (state, county, neighborhood)

500 Cities Data Applications

- Inform the development and implementation of effective and targeted prevention activities;
- Identify emerging health problems; and
- Establish and monitor key health objectives.

500 Cities Data Caveats

- Models the statistically expected prevalence
- Cannot detect effects due to local interventions should not be used for program or policy evaluations

CDI and 500 Cities Compared

CDI

- State-level
- Annual
- Stratified
- Direct estimates
- 124 indicators

500 Cities

- City- and tract-level
- Annual (potentially)
- Not stratified
- Small area estimates
- 27 measures

References

- Holt JB, Huston SL, Heidari K, Schwartz R, Gollmar C, Tran A, Bryan L, Liu Y, Croft JB, 2015.
 Indicators for Chronic Disease Surveillance. MMWR Recomm Rep 2015;64(No. RR-1):1-250.
- Zhang X, Holt JB, Lu H, Wheaton A, Ford ES, Greenlund KG, Croft JB. 2014. Multilevel Regression and Poststratification for Small Area Estimation of Population Health Outcomes. American Journal of Epidemiology, 179(8): 1025-1033.
- Zhang X, Holt JB, Yun S, Lu H, Greenland KG, Croft JB. 2015. Validation of Multilevel Regression and Poststratification Methodology for Small Area Estimation of Health Indicators from the Behavioral Risk Factor Surveillance System (BRFSS). *American Journal of Epidemiology*, 182(2):127-137.
- Wang Y, Holt JB, Zhang X, Lu H, Shan S, Dooley D, Matthews K, Croft JB. 2017. Comparison of Methods for Estimating Prevalence of Chronic Diseases and Health Behaviors for Small Geographic Areas: Boston Validation Study, 2013. *Preventing Chronic Disease*. In press.



https://www.cdc.gov/cdi

https://www.cdc.gov/500cities

Saving Lives. Protecting People. Saving Money through Prevention.



For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333

Telephone: 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

E-mail: cdcinfo@cdc.gov Web: 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.





An Overview of Community Commons

Jamie Kleinsorge, MS, Project Director Institute for People, Place, and Possibility (IP3)



WHO MANAGES COMMUNITY COMMONS?

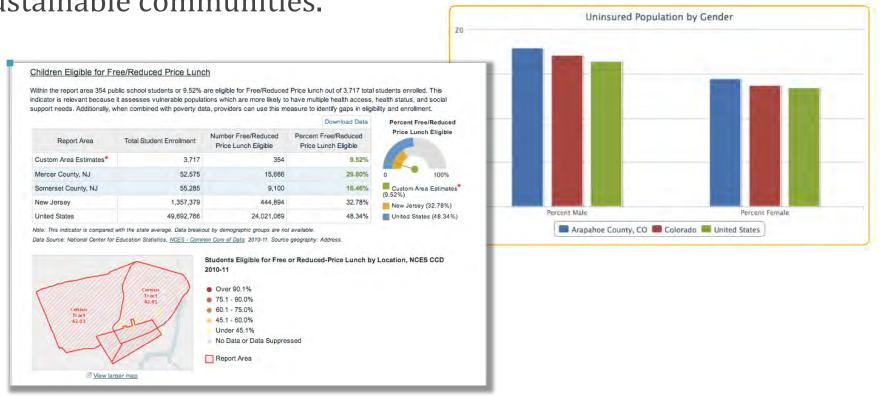






WHAT IS COMMUNITY COMMONS?

A place to spur actions and investments that lead to healthier, more equitable, and more sustainable communities.





Providing change-makers with access to meaningful data and visualizations...

WHO USES COMMUNITY COMMONS?











KAISER PERMANENTE®







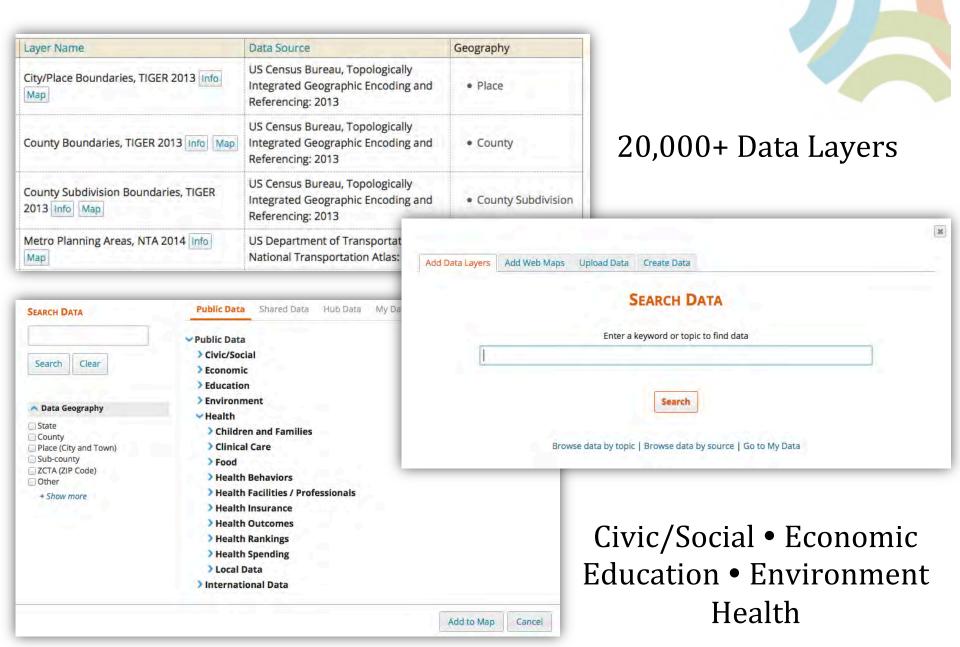


HOW DO INDIVIDUALS, ORGANIZATIONS AND COMMUNITIES USE COMMUNITY COMMONS?

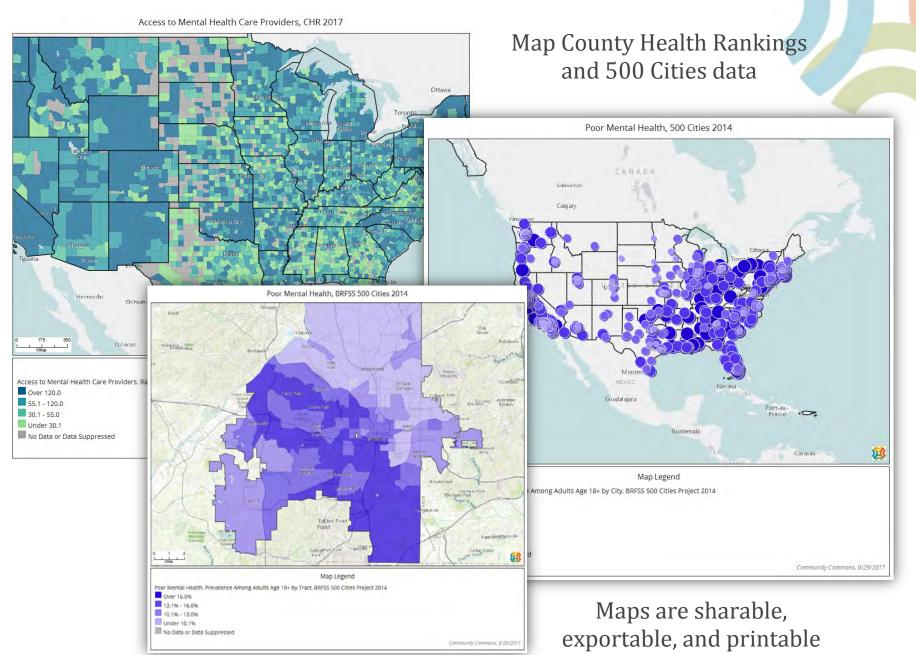
- Community Assessment
 - Community Health Needs Assessments
 - Community Needs Assessments
- Identifying Vulnerable Populations and Gaps in Services
- Grant Funding Justification
- Data Visualization
 - Community and Economic Development
 - Advocacy
- Networking, Collaboration, and Peer Learning
- Program and Strategy Evaluation



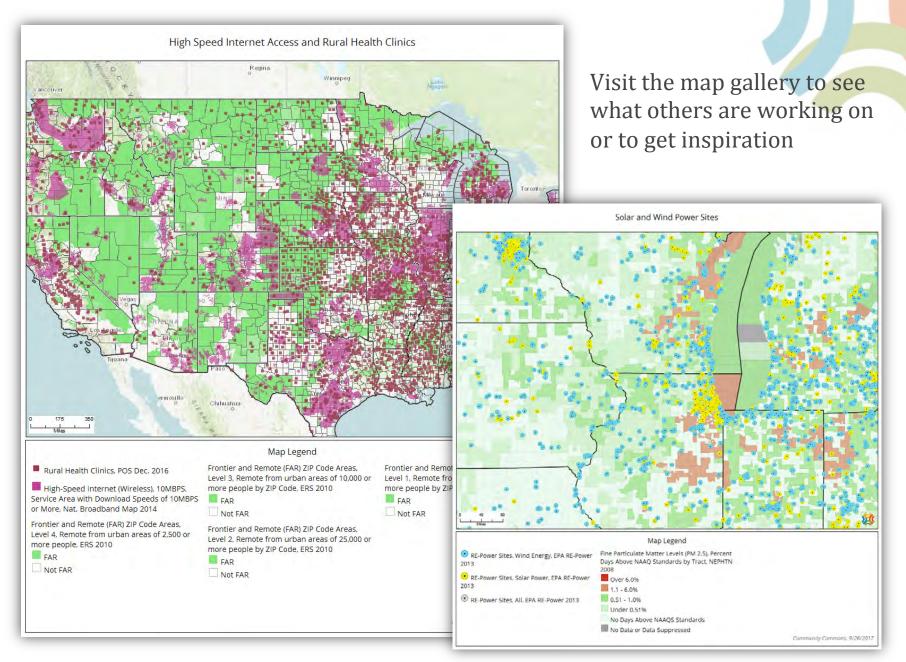
DATA ON COMMUNITY COMMONS



DEMOCRATIZING THE USE OF GIS



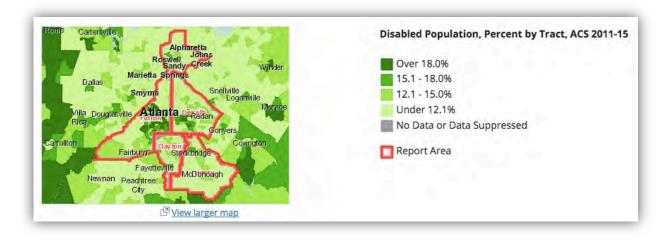
DEMOCRATIZING THE USE OF GIS



COMMUNITY HEALTH NEEDS ASSESSMENTS

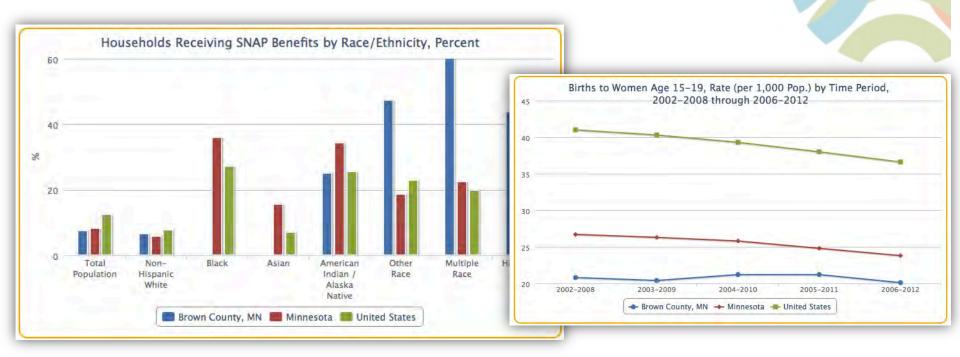
Downloadable data tables and benchmarking dials

Percent Students Eligible	Download Data			
Free or Reduced Price Lur	Percent Free/Reduced Price Lunch Eligible	Number Free/Reduced Price Lunch Eligible	Total Students	Report Area
	66,57%	242,661	364,511	Report Area
0 100%	89.45%	60,125	67,213	Clayton County, GA
Report Area (66.57%) Georgia (62.41%)	70.53%	78,125	110,772	DeKalb County, GA
United States (52.12%)	56.95%	82,722	145,249	Fulton County, GA
	52,55%	21,689	41,277	Henry County, GA
	62.41%	1,088,688	1,744,437	Georgia
	52.12%	26,213,915	50,436,641	United States

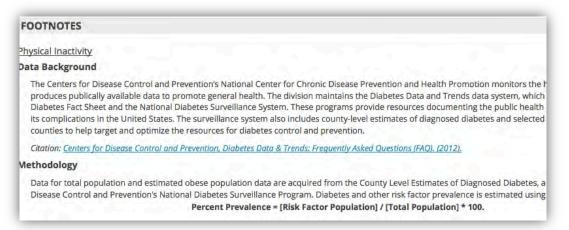


Expandable and editable companion maps

COMMUNITY HEALTH NEEDS ASSESSMENTS

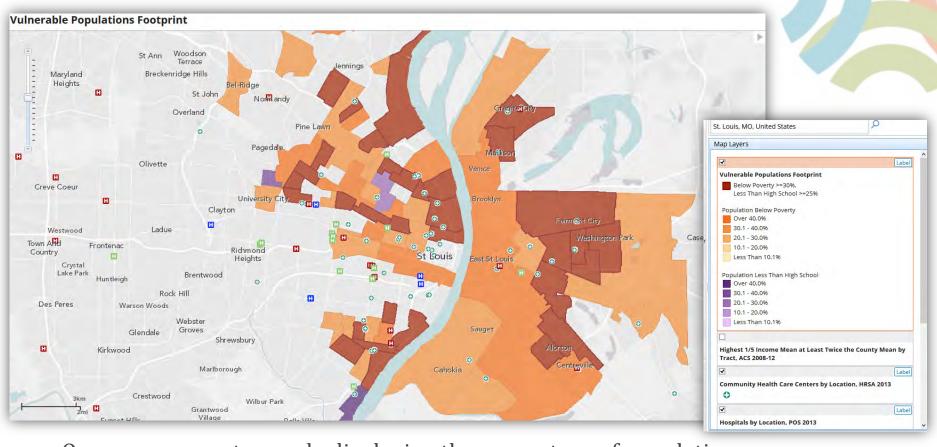


Charts and graphs to visualize state and national comparisons and change over time



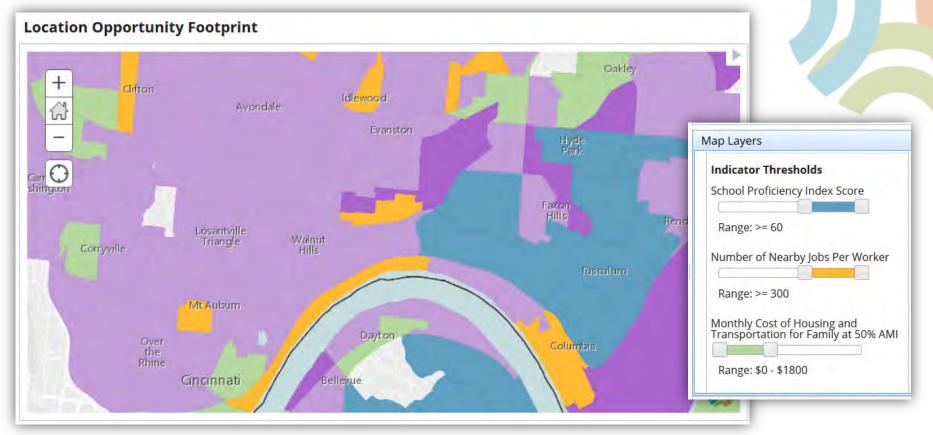
Data source information and methodology

VULNERABLE POPULATIONS FOOTPRINT



- Orange represents a scale displaying the percentage of population in poverty for a specific area.
- Purple represents a scale displaying the percentage of population with less than High School degree for a specific area.
- Brown/maroon represents those areas in which converge specific degree of poverty and educational attainment

LOCATION OPPORTUNITY FOOTPRINT



The Location Opportunity Footprint Tool (LOFT) combines location affordability, job availability, and school proficiency data from:

- The Housing and Urban Development(HUD) and Department of Transportation(DOT) Location Affordability Portal;
- The Environmental Protection Agency (EPA) Smart Location Database; and
- The HUD Open Data Program.

Aggregated at the block group level, LOFT creates "opportunity footprints," or areas of indicator intersection, that can be used by neighborhoods, economic development groups, and advocates to prepare for community planning efforts and make the case to funders and policymakers.



Questions?

Jamie Kleinsorge, MS, Project Director
Institute for People, Place, and Possibility (IP3)
jamie@i-p3.org



MOVING FROM DATA TO ACTION TO CREATE POSITIVE CHANGE

Utilizing Maps and Data to Drive Community Change

Jamie Kleinsorge, MS, Project Director Institute for People, Place, and Possibility (IP3)



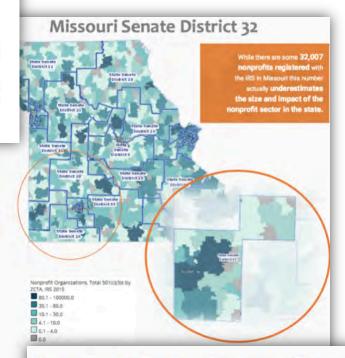
Advocacy

 Nonprofit Missouri Economic Landscape Report & Nonprofit Caucus Campaign

2015 LANDSCAPE REPORT

QUANTIFYING MISSOURI'S NONPROFIT SECTOR

Despite significant economic turnoil over the past decade the morprofit sector in Missouri gree. From 2002 to 2012 Missouri saw increases in the number, expenditures and sessets of charitable organizations in the state. | Despite significant economic turnoil over the past decade the morprofit sector in Missouri gree. From 2002 to 2012 Missouri saw increases in the number, expenditures and sessets of charitable organizations in the state. | Despite significant economic turnoil over the past decade the morprofit sector in Missouri gree. From 2002 to 2012 Missouri gree. From 2002 to 2012

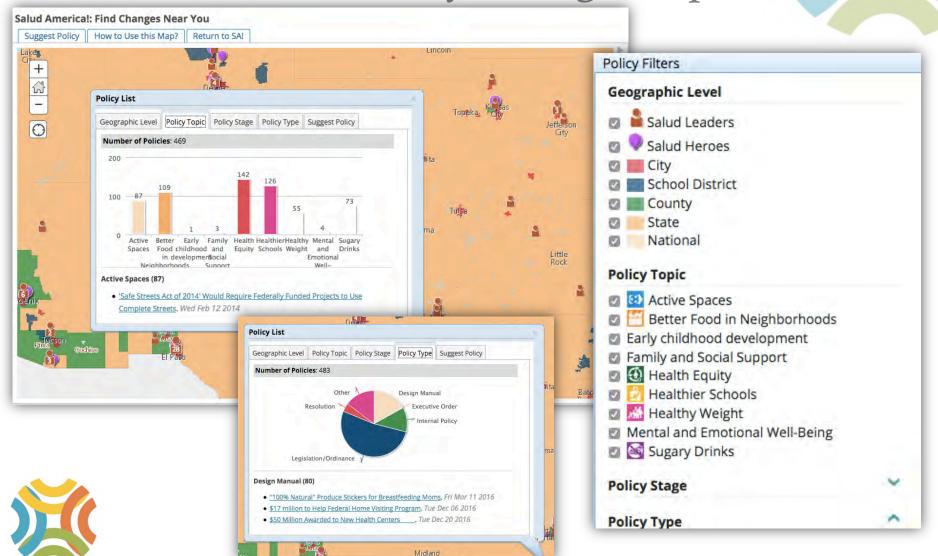


County	# of Nonprofits	Expenditures	Assets
Dade	2	\$506, 205	\$1,200,217
Jasper	155	\$639,344,331	\$635,176,479
Newton	28	\$48,294,310	\$55,416,350



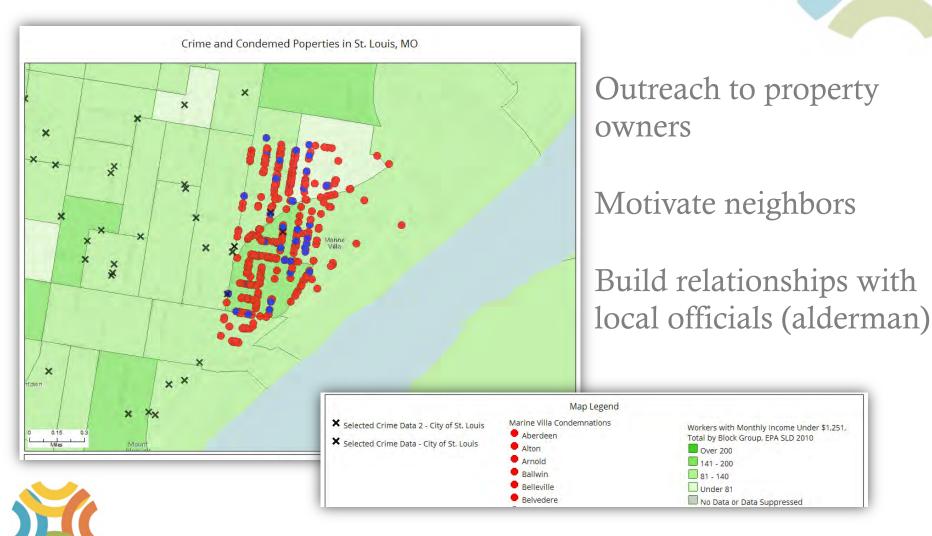
Advocacy

Salud America! Policy Change Map



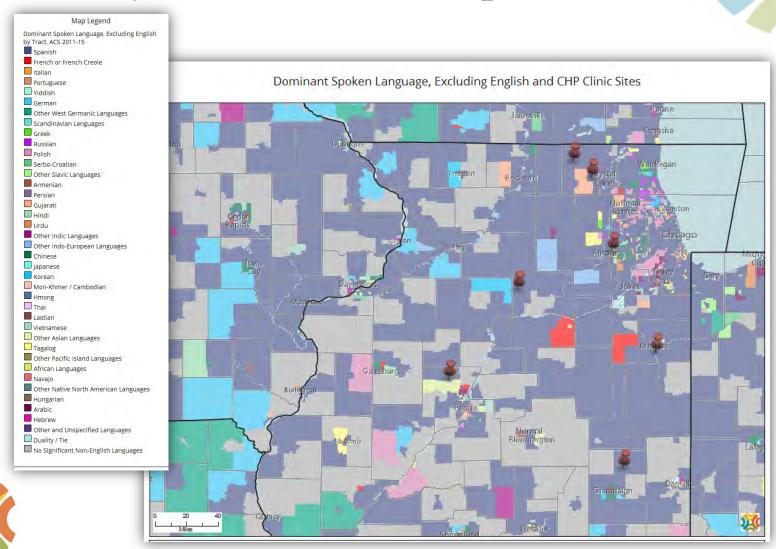
Advocacy

DeSalles Housing and Community Coalition in St. Louis



Program & Population Identification

Community Health Partnership Illinois



Program & Population Identification

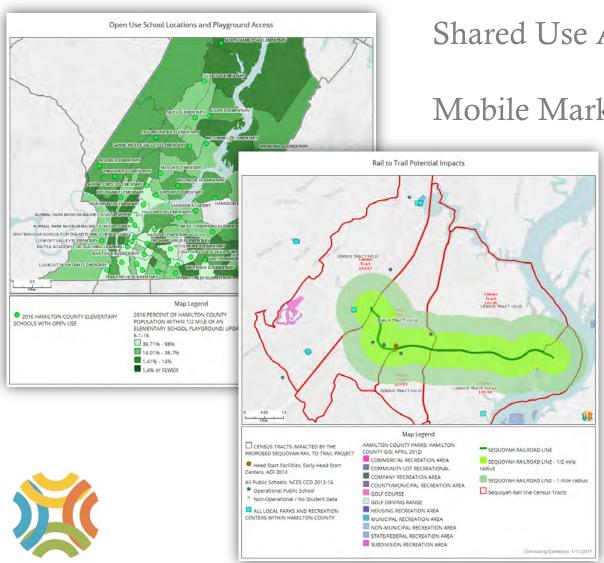
Chattanooga





Program & Population Identification

Chattanooga



Shared Use Agreements

Mobile Market Locations

Childcare Deserts

Trail Projects

HEALTH RANKINGS ~

ROADMAPS TO HEALTH V

RESOURCES

MORE ~

Search by county, state, or topic



Home » Roadmaps to Health » Action Center







Take action to improve your community's health

Ready to take action, but not sure what to do next?

GET HELP

Action Steps

Work Together

Assess Needs & Resources

Focus On What's Important

Choose Effective Policies & Programs

Act on What's Important

Evaluate Actions

Action Center

Each step on the Action Cycle is a critical piece of making communities healthier. There is a guide for each step that describes key activities within each step and provides suggested tools, resources, and additional reading. You can start at Assess or enter the cycle at any step. Work Together and Communicate sit outside because they are needed throughout the Cycle. At the core of the Action Cycle are people from all walks of life because we know we can make our communities healthier if we all get involved.

Roadmaps to Health Coaching is available to provide local leaders with direct support in using Action Center tools and guidance to advance health.

> Select an Action Step or community member to learn more.

Where to start? Watch this video:



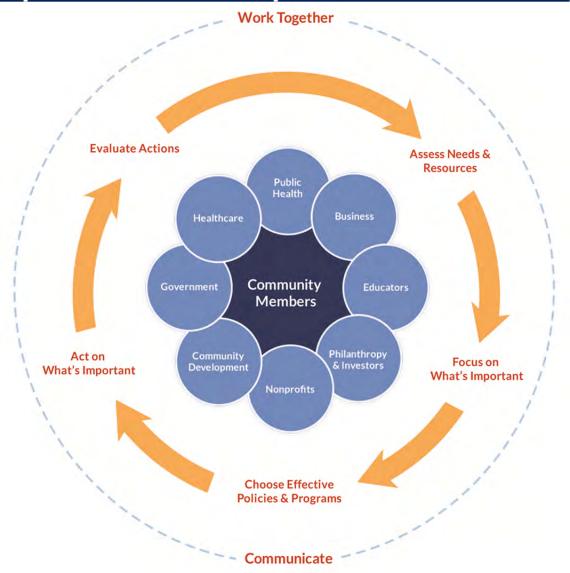
Roadmaps to Health:

Harnessing the collective power of leaders, partners & community









County Health Rankings & Roadmaps

Building a Culture of Health, County by County

COMMUNITY COACHES

Ready to take action, but not sure what to do next?

GET HELP



SUPPORTING YOUR COMMUNITY'S JOURNEY TOWARD HEALTH

County Health Rankings & Roadmaps

Building a Culture of Health, County by County

WHAT WORKS FOR HEALTH

Find effective programs and policies at www.countyhealthrankings.org/what-works-for-health

Evidence Rating



Scientifically Supported



What Works for Health

What Works for Health provides communities with information to help select and implement evidence-informed policies, programs, and system changes that will improve the variety of factors we know affect health.

WANT TO LEARN MORE? - View our 4 minute What Works for Health Tutorial.

To learn more about strategies that could work in your community, select a health factor of interest (the light blue boxes on the far right) in the model below.



Building a Culture of Health, County by County

A MENU OF IDEAS - EVIDENCE MATTERS

- Evidence rating
- Literature summary
 - Who
 - What
 - Cost
- Disparity rating
- Implementation examples & tools



County Health Rankings & Roadmaps

Building a Culture of Health, County by County

Home What Works for Health Policies



Keyword Search Obesity GO

Policies & Programs

All Policies & Programs

New or Updated Policies & Programs

Health Factors

Health Behaviors

Diet and Exercise (66)

Tobacco Use (1)

Clinical Care

Access to Care (3)

Quality of Care (1)

Social and Economic Factors

Community Safety (1)

Education (4)

Family and Social Support (2)

Income (1)

Physical Environment

Policies & Programs found matching "Obesity"

Policies and programs that can improve health

79 results

Multi-component school-based obesity prevention interventions

Scientifically Supported

Deliver educational, behavioral, environmental, and other obesity prevention efforts (e.g., education classes, enhanced physical education, healthy food promotion, family outreach, etc.) in schools

Diet and Exercise

Child-focused advertising restrictions for unhealthy foods & beverages

Some Evidence

Restrict child-focused advertising for unhealthy foods and beverages via bans on unhealthy food and drink ads during children's TV programs, product placement in children's movies, etc.

Diet and Exercise

Places for physical activity Scientifically Supported

Modify local environments to support physical activity, increase access to new or existing facilities for physical activity, or build new facilities

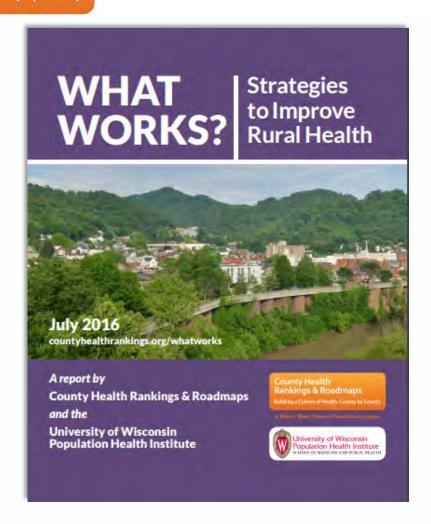
Diet and Exercise

Worksite obesity prevention interventions Scientifically Supported

Use educational, environmental, and behavioral strategies to improve food choices and physical activity opportunities in worksite settings

County Health Rankings & Roadmaps

Building a Culture of Health, County by County

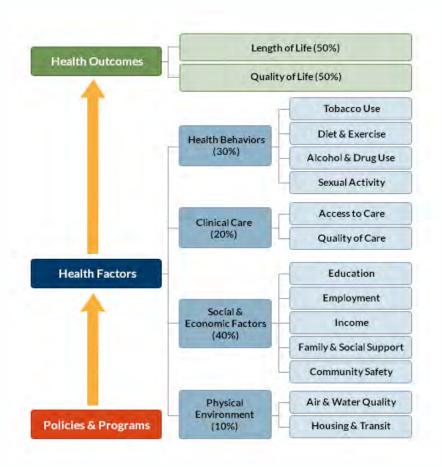


www.countyhealthrankings.org/rural

Building a Culture of Health, County by County

FOUNDATION OF ROADMAPS

- It takes everyone
- Move from data to evidenceinformed action
- Focus across the health factors
 —including social and economic factors
- Policy, systems, and environmental change



Building a Culture of Health, County by County

STAYING CONNECTED

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County Health Rankings & Roadmaps

Building a Culture of Health, County by County



QUESTIONS