City Health Dashboard:
Empowering Cities to Create Thriving Communities

Department of Population Health

NYU School of Medicine

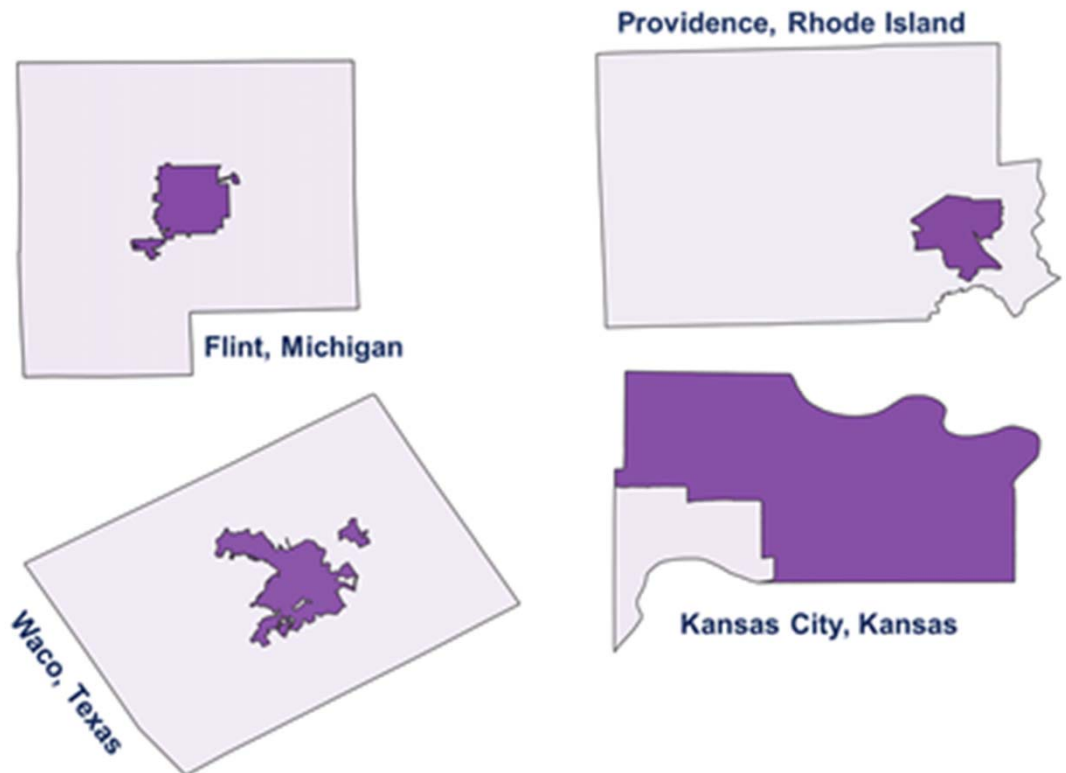*March 28, 2019*

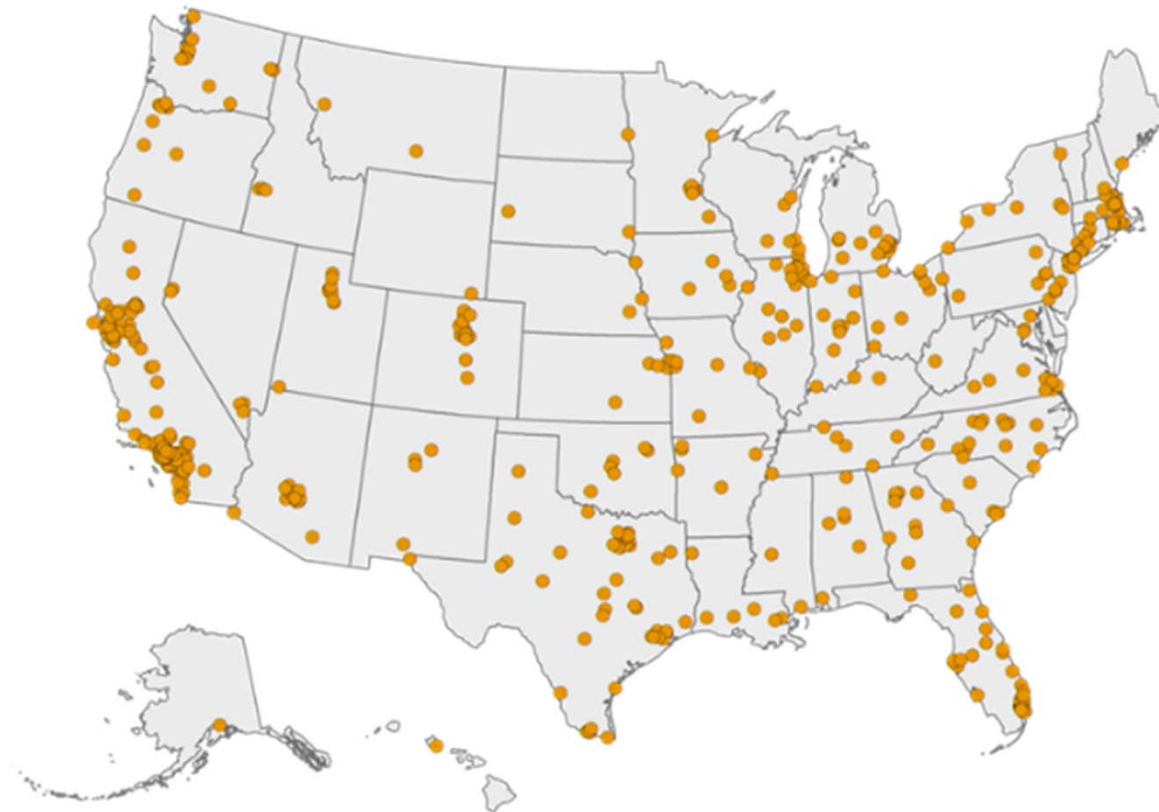# Why city- and community-level data?

- Health? "Not on our radar"

- Where (much) change happens

- Geographic specificity

Flint, Michigan

Providence, Rhode Island

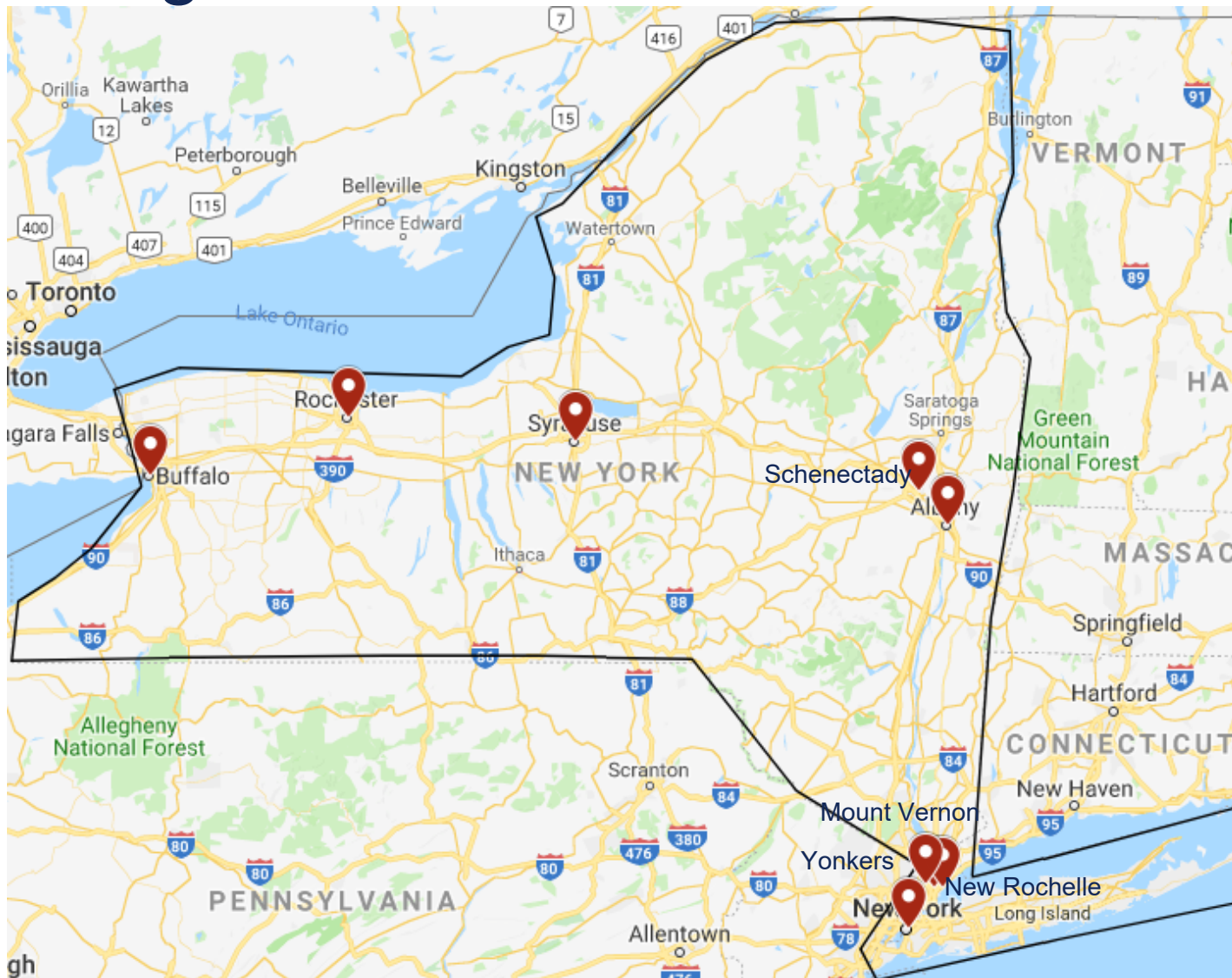Waco, Texas

Kansas City, Kansas

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37 measures of health, the factors that shape health, and the drivers of health equity to guide local solutions for 500 U.S. cities…

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…including 9 in New York State

What is the City Health Dashboard?

- Website with hyper-local data for US cities >66,000 population

- Focus on health outcomes *and* social determinants

- Two geographies

  - City

  - Census tract

- Accessible to diverse audiences (gov't, non-profits, CBOs)

- Improve population health by making knowledge accessible

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End-User Collaboration:
Creating An Easy-To-Use, One-stop Resource

- Measure selection

- Website development

- Initial implementation
  and user testing

Measure Selection Criteria

- National datasets

- Rigorous methods underlying original data collection

- Reflect public health priorities

- Amenable to city-level intervention

- Updated regularly

- Balanced across 5 over-arching domains

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Measures by Category

CLINICAL CARE

•	Prenatal care	NVSS
•	Primary care physicians	AMA
•	Preventive services	500 Cities (BRFSS)
•	Dental care	500 Cities (BRFSS)
•	Uninsured	ACS

HEALTH BEHAVIORS

•	Teen births	NVSS
•	Smoking	500 Cities (BRFSS)
•	Binge drinking	500 Cities (BRFSS)
•	Physical inactivity	500 Cities (BRFSS)

PHYSICAL ENVIRONMENT

•	Air pollution - particulate matter	ALA
•	Park access	ParkServe®
•	Walkability	Walk Score®
•	Limited access to healthy foods	USDA
•	Housing with potential lead risk	ACS
•	Lead exposure risk index	ACS

HEALTH OUTCOMES

•	Breast cancer deaths	NVSS
•	Premature deaths (all causes)	NVSS
•	Cardiovascular disease deaths	NVSS
•	Low birthweight	NVSS
•	Colorectal cancer deaths	NVSS
•	Opioid overdose deaths	NVSS
•	Obesity	500 Cities (BRFSS)
•	Diabetes	500 Cities (BRFSS)
•	High blood pressure	500 Cities (BRFSS)
•	Frequent physical distress	500 Cities (BRFSS)
•	Frequent mental distress	500 Cities (BRFSS)
•	Life expectancy	USALEEP (NCHS)

SOCIAL AND ECONOMIC FACTORS

•	Absenteeism	NCES/Civil Rights
•	Third-grade reading proficiency	State data
•	High school graduation	State data
•	Children in poverty	ACS
•	Income inequality	ACS
•	Neighborhood racial/ethnic segregation	ACS
•	Racial/ethnic diversity	ACS
•	Housing cost, excessive	ACS
•	Unemployment	ACS
•	Violent crime	UCR

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Demo

www.cityhealthdashboard.com

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Early uptake

- ## Waco, TX

  Prosper WACO

  Community health workers used Dashboard data to pinpoint leading health and social service needs in their individual catchment areas to target programming and services to residents

- ## Providence, RI

  Healthy Communities Office

  Focused attention on identifying barriers and opportunities for increased walking and biking for grant to improve street safety and physical activity among residents in specific neighborhoods.

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City Health Dashboard in NY

New Measures

- Searching for measures that are:

  - Locally meaningful

  - Actionable

  - Available for all 500 cities (ideally at census tract level)

  - Possible to update regularly

- Priority areas

  - Climate

  - Firearms

  - Transportation

  - Social cohesion

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Coming soon…

- Multi year data

- Map overlays

- API

- Enhanced Take Action page

- Navigation improvements

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Discussion: potential areas of alignment

- Prevention Agenda

- Health Across all Policies

- Deepening city-level, regional or issue-oriented initiatives

  - *Linking to local, administrative & other data sources*

  - *Supplemental, customized analyses*

  - *Smaller cities (≤66,000)*

  - *Additional geographic breakdowns & disaggregations*

  - *User-driven visualizations (charts, graphs, maps, etc.)*

➢ Your thoughts / impressions / potential plans for use?

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Guiding questions for exploring data

- Which metrics were most useful to you?

- What is something that validated your lived experience – perhaps giving you a number to make the case for what you've seen in your practice?

- What surprised you in the Dashboard data?

- What is missing? What measures or disaggregations would be helpful to you in accomplishing your goals?

- How can you use this data to engage new partners or community members?

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