City Health Dashboard
www.cityhealthdashboard.com

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Outline

1. Background

2. Relationship to ACS Data

3. Demo – Engaging with the Data

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Background

Need for the Dashboard

Mayors were interested in public health
– but lacked <u>health-related</u> data

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City Health Dashboard

- Website with information on 500 largest cities in US
    - 37 measures of health and its drivers
    - Cities w/population >66,000

- Intuitive, easy to use, engaging

- Non-technical audiences
    - Non-profits
    - Government

- Valid & current data

- Analysis allows cross-city comparison

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Relationship to ACS

Metrics & Sources

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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ACS Tables (American Fact Finder)

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S2701
C27001B-H
B27001 →

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B25034 →
S1701 →

Not listed: demographic information (DP05)

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B17020B-H
B19001
S2301 ←
S1701
C23002B-H
DP05
DP04

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Data Source	No. of metrics n (%)	Vintage	Demographic disaggregations (city-level)			Census tract data	Cost
			Race/ ethnicity	Sex	Age		
500 Cities Project Data, Centers for Disease Control and Prevention	10 (27)	2018 Release				✓	
American Community Survey	9 (24)	2017, 5 Year Estimates *(2013-2016 coming soon!)*	✓	✓	✓	✓	
Community Multiscale Air Quality model, US Environmental Protection Agency	1 (3)	2014				✓	
Uniform Crime Reporting, FBI	1 (3)	2017					
Multiple Cause of Death Data, National Vital Statistics System (NVSS), National Center for Health Statistics (NCHS)	5 (14)	2014-2016	✓	✓			
Natality Data, NVSS, NCHS	3 (8)	2014-2016	✓				
Civil Rights Data Collection, National Center for Education Statistics	1 (3)	2015-16	✓	✓		✓	
ParkServe®	1 (3)	2017	✓				
State-based education data	2 (5)	Year varies by state	✓	✓			
U.S. Small-area Life Expectancy Estimates Project, NCHS	1 (3)	2010-15				✓	
Food Access Research Atlas, Economic Research Service, United States Department of Agriculture	1 (3)	2015	✓			✓	
Walk Score®	1 (3)	2018				✓	✓

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Engaging with the Data: Two Highlights

1. Interactive Map
2. Data Visualizations – Metric Comparison

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Engaging with the Data: Two Highlights

1. Interactive Map

2. Data Visualizations – Metric Comparison

→ Deeper engagement with ACS (and other) data

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Engaging with the Data: Two Highlights

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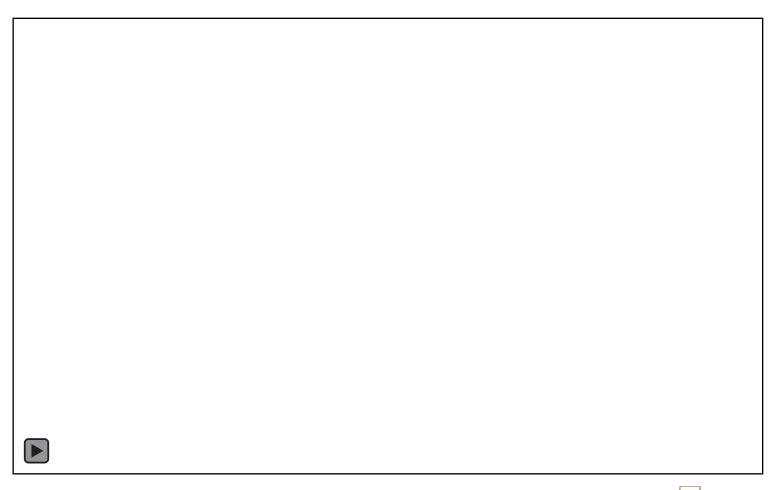
NOTE: This is a brief overview – check out the site for more!

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Stay in touch!

- miriam.gofine@nyulangone.org

- **cityhealthdashboard.com**
    - cityhealthdashboard.com/**technical-documentation**
    - cityhealthdashboard.com/**data-downloads**
        - .csv and .txt files
        - **API** coming soon!

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Interactive Map

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Data Visualizations – Metric Comparison

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