City Health Dashboard
www.cityhealthdashboard.com

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Outline

1. Background
2. Relationship to ACS Data
3. Demo – Engaging with the Data
Background
Need for the Dashboard

Mayors were interested in public health – but lacked health-related data
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
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
ACS Tables (American Fact Finder)

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Not listed: demographic information (DP05)

City Health DASHBOARD
<table>
<thead>
<tr>
<th>Data Source</th>
<th>No. of metrics n (%)</th>
<th>Vintage</th>
<th>Demographic disaggregations (city-level)</th>
<th>Census tract data</th>
<th>Cost</th>
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<tbody>
<tr>
<td>500 Cities Project Data, Centers for Disease Control and Prevention</td>
<td>10 (27)</td>
<td>2018 Release</td>
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<td>American Community Survey</td>
<td>9 (24)</td>
<td>2017, 5 Year Estimates (2013-2016 coming soon!)</td>
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<td>Community Multiscale Air Quality model, US Environmental Protection Agency</td>
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<td>2014</td>
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<td>Uniform Crime Reporting, FBI</td>
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<td>Multiple Cause of Death Data, National Vital Statistics System (NVSS), National Center for Health Statistics (NCHS)</td>
<td>5 (14)</td>
<td>2014-2016</td>
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<td>Natality Data, NVSS, NCHS</td>
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<td>Civil Rights Data Collection, National Center for Education Statistics</td>
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<td>2015-16</td>
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<td>✓</td>
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<td>ParkServe®</td>
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<td>2017</td>
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<td>✓</td>
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<tr>
<td>State-based education data</td>
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<td>Year varies by state</td>
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<tr>
<td>U.S. Small-area Life Expectancy Estimates Project, NCHS</td>
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<tr>
<td>Walk Score®</td>
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<td>2018</td>
<td></td>
<td></td>
<td>✓</td>
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</tbody>
</table>
Engaging with the Data
Engaging with the Data: Two Highlights

1. Interactive Map
2. Data Visualizations – Metric Comparison

www.cityhealthdashboard.com
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→ Deeper engagement with ACS (and other) data
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*NOTE: This is a brief overview – check out the site for more!*
Stay in touch!

• miriam.gofine@nyulangone.org

• cityhealthdashboard.com
  • cityhealthdashboard.com/technical-documentation
  • cityhealthdashboard.com/data-downloads
    • .csv and .txt files
    • API coming soon!
Interactive Map
Data Visualizations – Metric Comparison