WEST PHILLY PROMISE NEIGHBORHOOD

Strong Children. Strong Families. Strong Schools. Strong Communities.

Development of a COVID-19 Urban Vulnerability Data Dashboard to Inform Neighborhood-level Response in Philadelphia

2021 ACS Conference
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Drexel University School of Public Health

West Philly Promise Neighborhood

The grant goals focus on building a supportive environment for children to live and learn.

Children enter Kindergarten ready to succeed

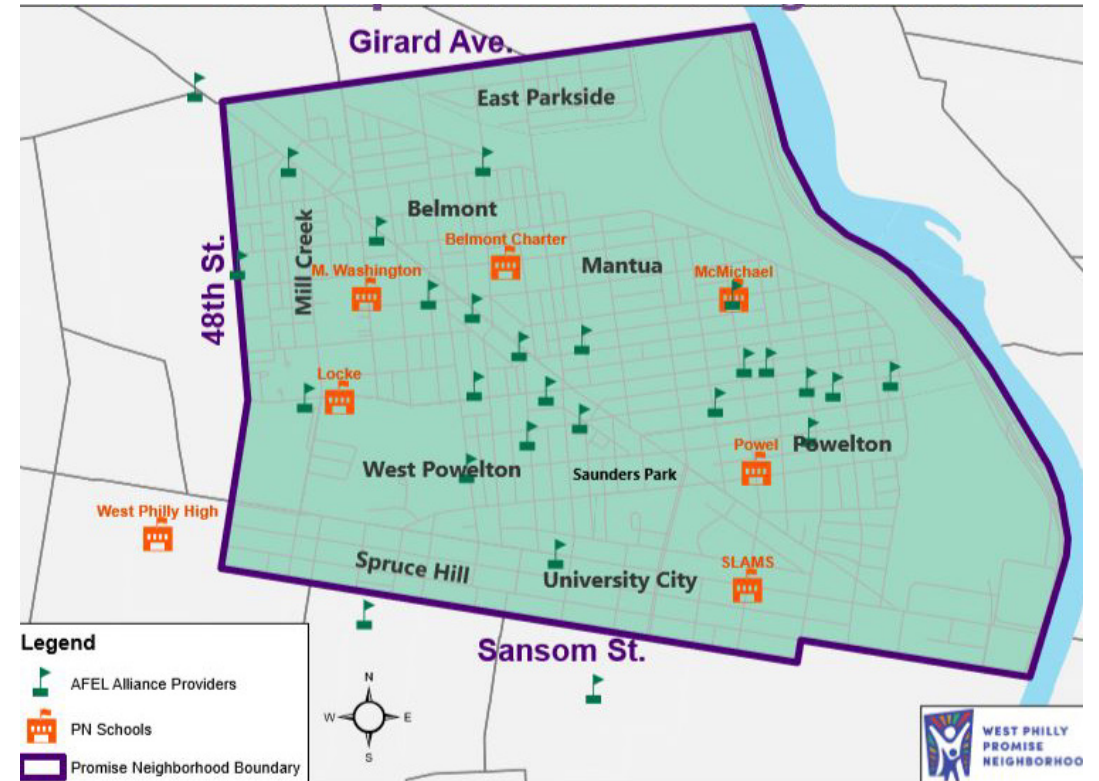**Students are proficient in core academic subjects**

High school students graduate with the skills they need to continue their education and achieve career goals
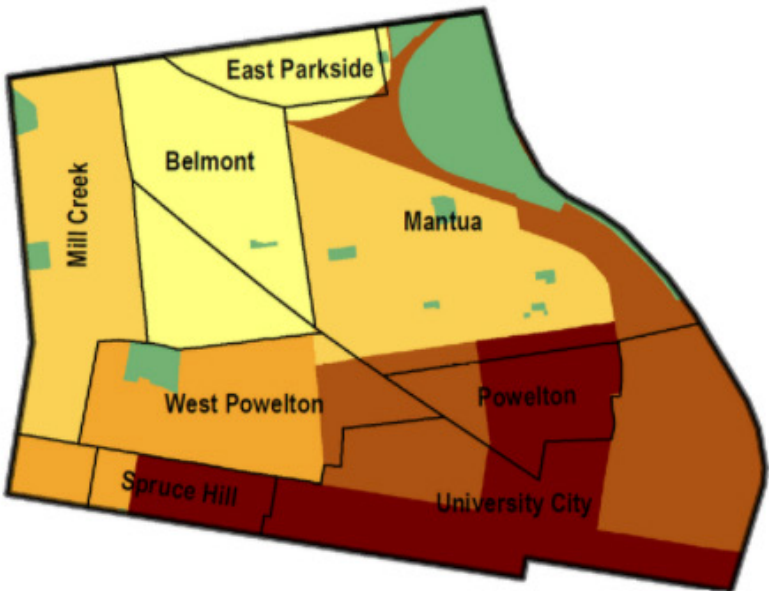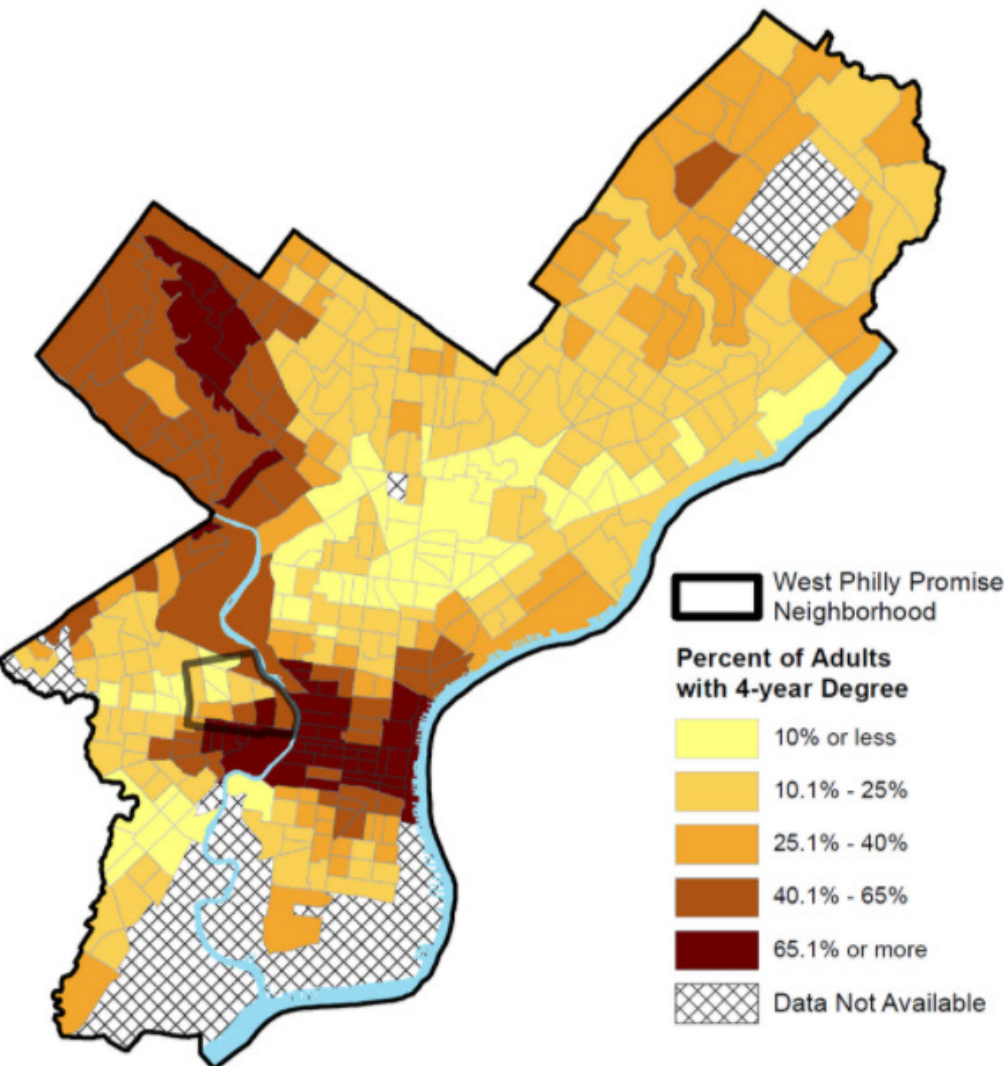
Children and their families thrive in healthy, safe and stable communities

Families and communities are actively engaged in student learning

Neighborhood Indicators

West Philly Promise Neighborhood

Percent of Adults with 4-year Degree

- 10% or less
- 10.1% - 25%
- 25.1% - 40%
- 40.1% - 65%
- 65.1% or more
- Data Not Available

East Parkside
Belmont
Mill Creek
Mantua
West Powelton
Powelton
Spruce Hill
University City
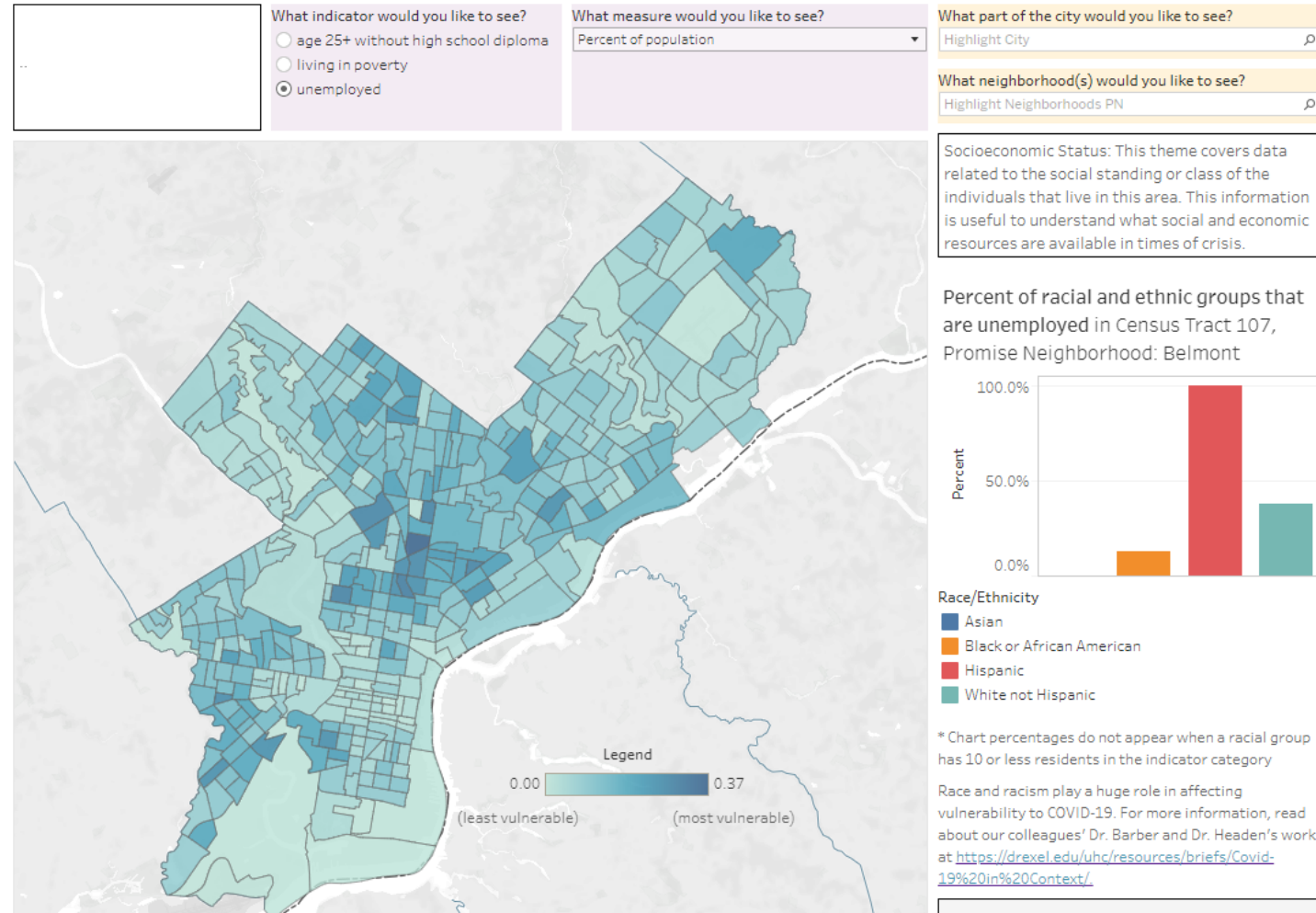

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ISSUE BRIEF: EDUCATION

2020

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ISSUE BRIEF: HOUSING

2020

What is the
COVID-19 Social Vulnerabilities
Data Dashboard?

- Funded by a small Drexel Rapid Response Grant

- Interactive online dashboard built using Tableau and GIS software

- Maps areas of Philadelphia that will experience highest burden of COVID-19 and its economic impacts

- Shows pre-COVID-19 vulnerabilities and likely hotspots for impacts of COVID-19

Why was the tool developed?

- Inform COVID-19 response efforts
  - Identify specific areas and populations for resources allocation
- Provide communities with access to data
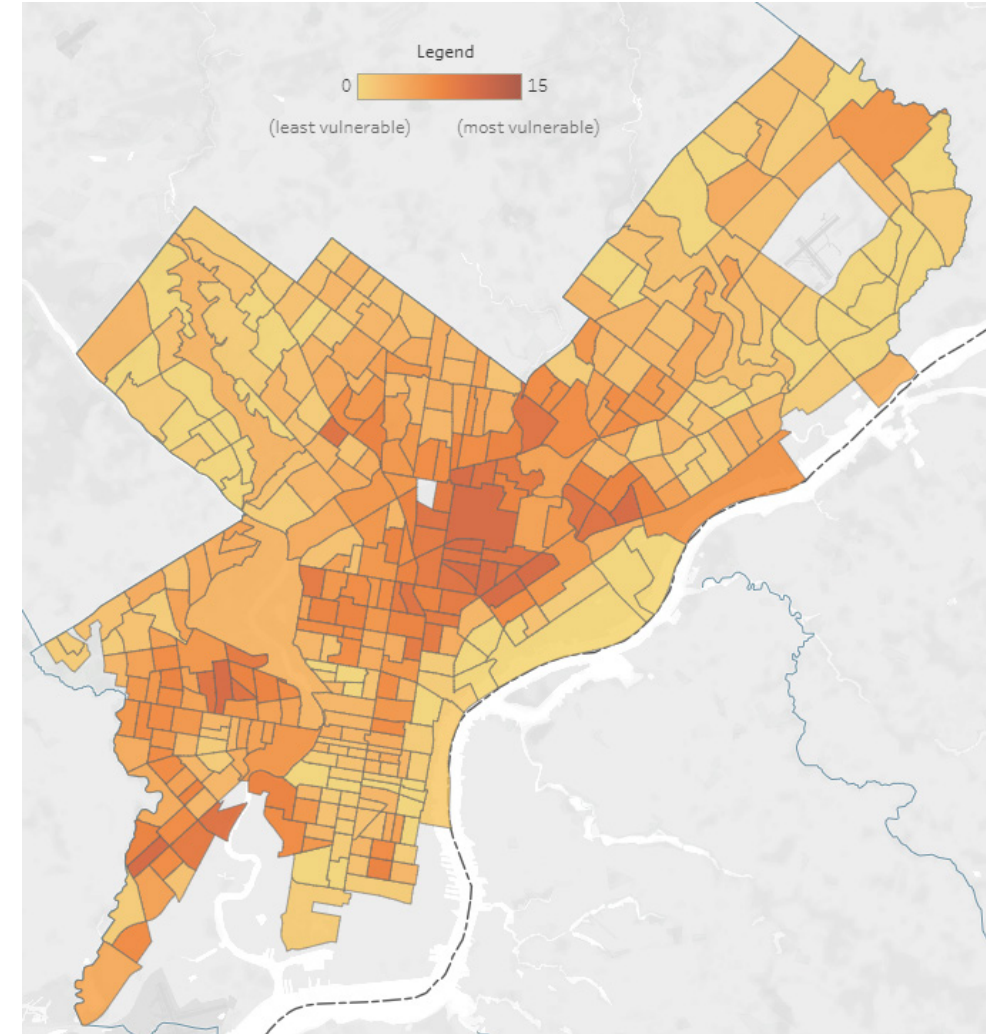 - Contextual data to support funding and advocacy

Dashboard 1: CDC Social Vulnerability Index
  - Pre COVID-19 vulnerabilities
  - CDC indicators

Dashboard 2: Additional COVID-19 Vulnerabiltiies
  - Access to resources, health conditions, housing data

Dashboard 3: Essential Worker Data

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What do we mean by "vulnerable"?

- Vulnerability describes an area's level of risk for a negative impact
- **More vulnerable**
  - Less access to resources
  - Due to historic and systemic inequities, including racism and classism
  - Potentially more exposure to COVID-19, other co-morbidities, worse outcomes for disease, higher rates of death, higher economic burden
- **Less vulnerable**
  - More access to resources
  - Higher likelihood of recovering from economic and social impact of COVID-19, less exposure, fewer co-morbidities, lower rates of death

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CDC Social Vulnerability Index

Center for Disease Control's Social Vulnerability Index

- Used by CDC to prepare and recover from natural disasters
- We adapt and use as basis to identify areas and sub-populations that will experience highest burden from COVID-19

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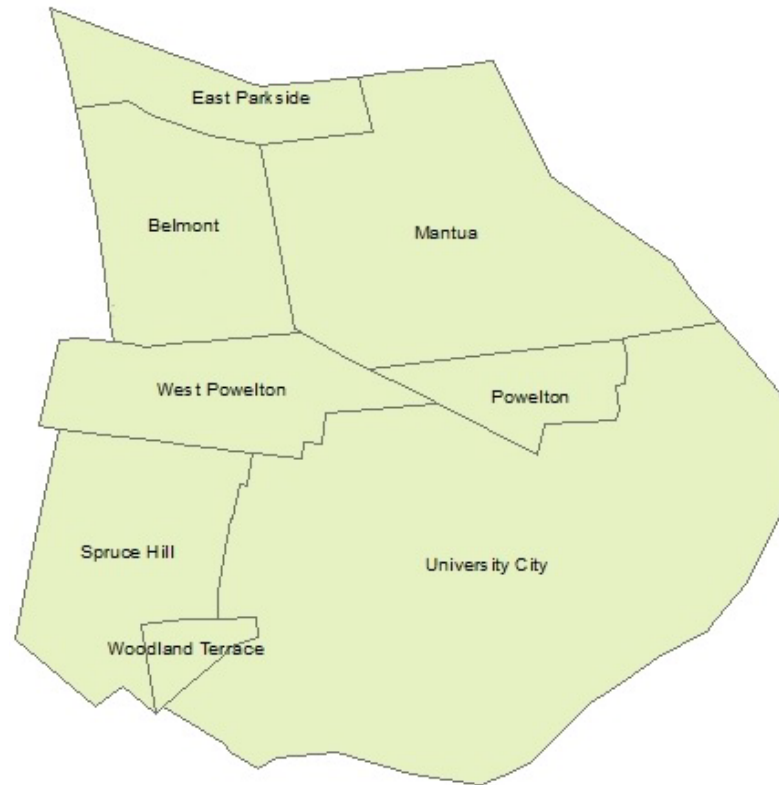
How was the tool developed?

- **Identified indicators based on criteria**
  - Publicly available
  - Available city-wide
  - Relevant to urban context and COVID
- **Data sources**
  - Census data from American Community Survey, 2018
  - PUMS data
  - 500 Cities (CDC)
  - US Dept of Housing & Urban Development
  - EvictionLab

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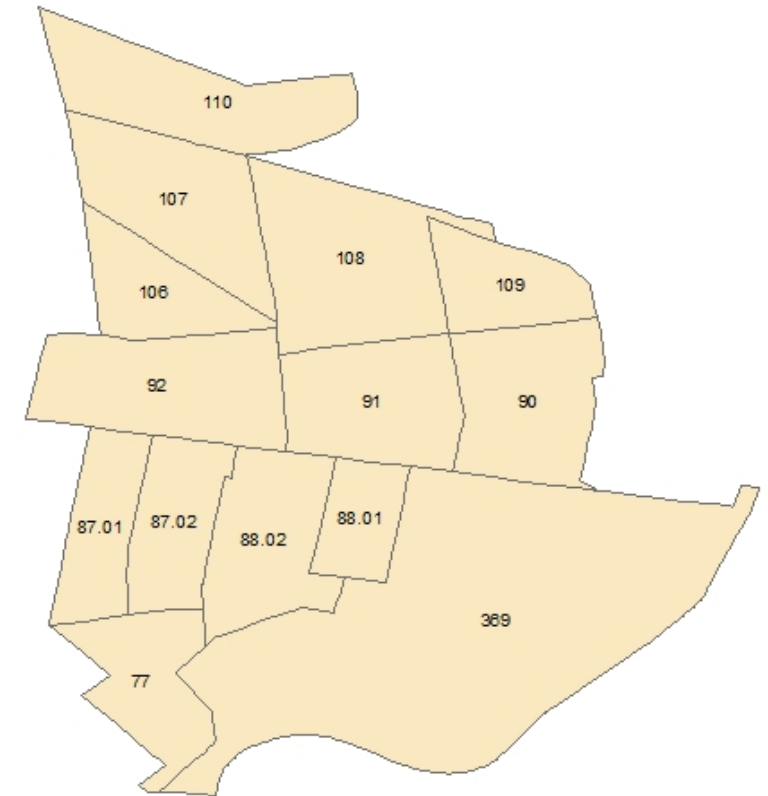
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How is the dashboard structured?

- Dashboard structured for usability
- Maps show data by US Census tract
- Can see variations with in neighborhoods
- Possible also to search maps by neighborhood or Phila planning districts

Neighborhoods in 19104

Census Tracts in 19104

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What data are on the dashboards?

Dashboard 1: CDC Social Vulnerability Index Data

Socioeconomic Status

- Age 25+ without high school diploma
- Living in poverty
- Unemployed

Household Composition and Disability

- Age 17 or younger
- Age 65+, 85+
- Disabled
- Single-parent household

Minority Status and Language

- Minority
- Speaks English "less than well"

Housing and Transportation

- Crowding
- Multi-unit structures
- No vehicle
- Group quarters

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Dashboard 2: Additional COVID-19 Vulnerabilities

Access to Resources

- Households receiving food stamps/SNAP, public assistance
- No internet
- No health insurance

Health Conditions

- High blood pressure
- Obesity
- Diabetes
- Coronary heart disease
- Asthma
- Lung disease

Housing

- Eviction rate
- Housing units with rent or mortgage more than 35% of household income
- Subsidized housing units

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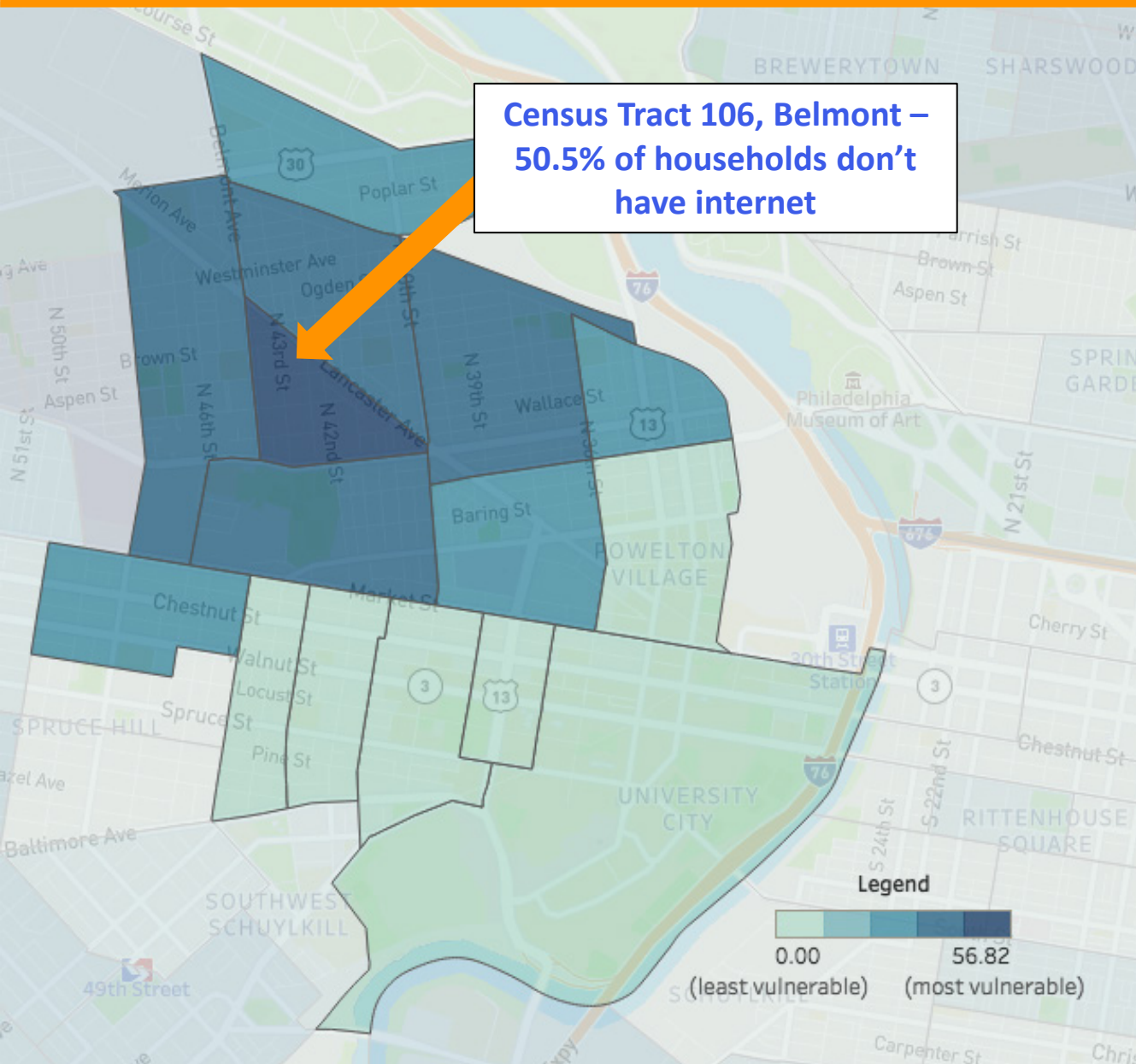NEIGHBORHOOD

Essential Workers

- Industry
- Race/ethnicity
- Pay
- Where essential workers live

Issue-based example:
Looking at the potential impact of remote learning throughout the West Philly Promise Neighborhood
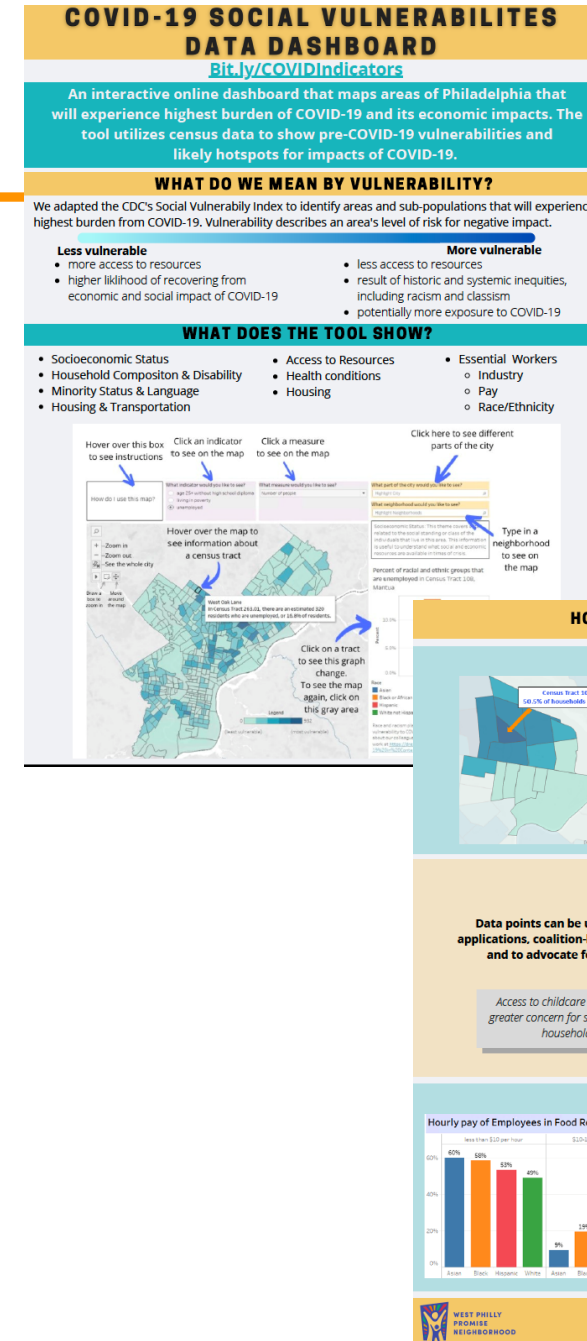
Internet access in Promise Neighborhood

Census Tract 106, Belmont – 50.5% of households don't have internet

Legend

0.00 (least vulnerable) — 56.82 (most vulnerable)

- Internet access has been hugely significant during the pandemic
- Many organizations have been working to increase internet access
  - The City
  - School District chromebooks
  - Comcast's Internet Essentials
  - ExCITe Center Digital Navigators

Dissemination

- See this as a tool and a first step in facilitating the use of data for decision-making and advocacy around COVID-19 relief and recovery efforts

- Beta testing with community leaders

- Promote to data users, health care delivery partners, community leaders, city agency staff, and advocates throughout the City

- One-on-one and group demos

- Eventually publish on methodology and impact of the data tool in response to COVID-19

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How has the dashboard been shared?

- **Stakeholder Presentations**
  - Project Management Team
  - Promise Neighborhood Community Advisory Committee (CAC)
  - Data Partners
  - Philadelphia Public Health Department

- **Issue Specific Briefs**
  - Remote Learning
  - Essential Workers

- **Urban Health Collaborative Webpage**
  - Bit.ly/COVIDIndicators

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Who exactly have we shared the tool with?

- Local
  - West Philly Promise Neighborhood
    - Project Management Team
    - Community Advisory Committee
    - Data Partners
  - Mantua Civic Association Education Committee
  - McMichael School
  - Promise Zone Research Connections

- Citywide
  - School District of Philadelphia
  - Philadelphia Department of Public Health and Dept of Health and Human Services
  - Philadelphia Office of the Mayor, Equity and Inclusion
  - Philadelphia Office of Community Empowerment & Opportunity
  - CHOP Primary Care Network, Karabots team, PolicyLab

- National
  - National Neighborhood Indicators Partnership
  - American Public Health Association
  - Urban Institute
  - Streetwyze

Contact

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