


- Funding Equity in Philadelphia

Optimizing Institutional Funding of the city's Nonprofits

A wide-angle photograph of the Philadelphia skyline at sunset. The city's skyscrapers, including the Comcast Center and the Comcast Tower, are silhouetted against a warm, orange and yellow sky. In the foreground, a river flows under a bridge, with lush green trees lining the banks. A dark grey rectangular box with white text is overlaid on the lower left portion of the image.

In 2018 nonprofits in Philadelphia Area brought in \$12B in revenue.<sup>1</sup>

- Nonprofit Breakdown

- **Philanthropy is a must.**
  - 69% of nonprofits operate on < \$1M
  - Nearly a quarter of this revenue comes from institutional giving.<sup>1</sup>

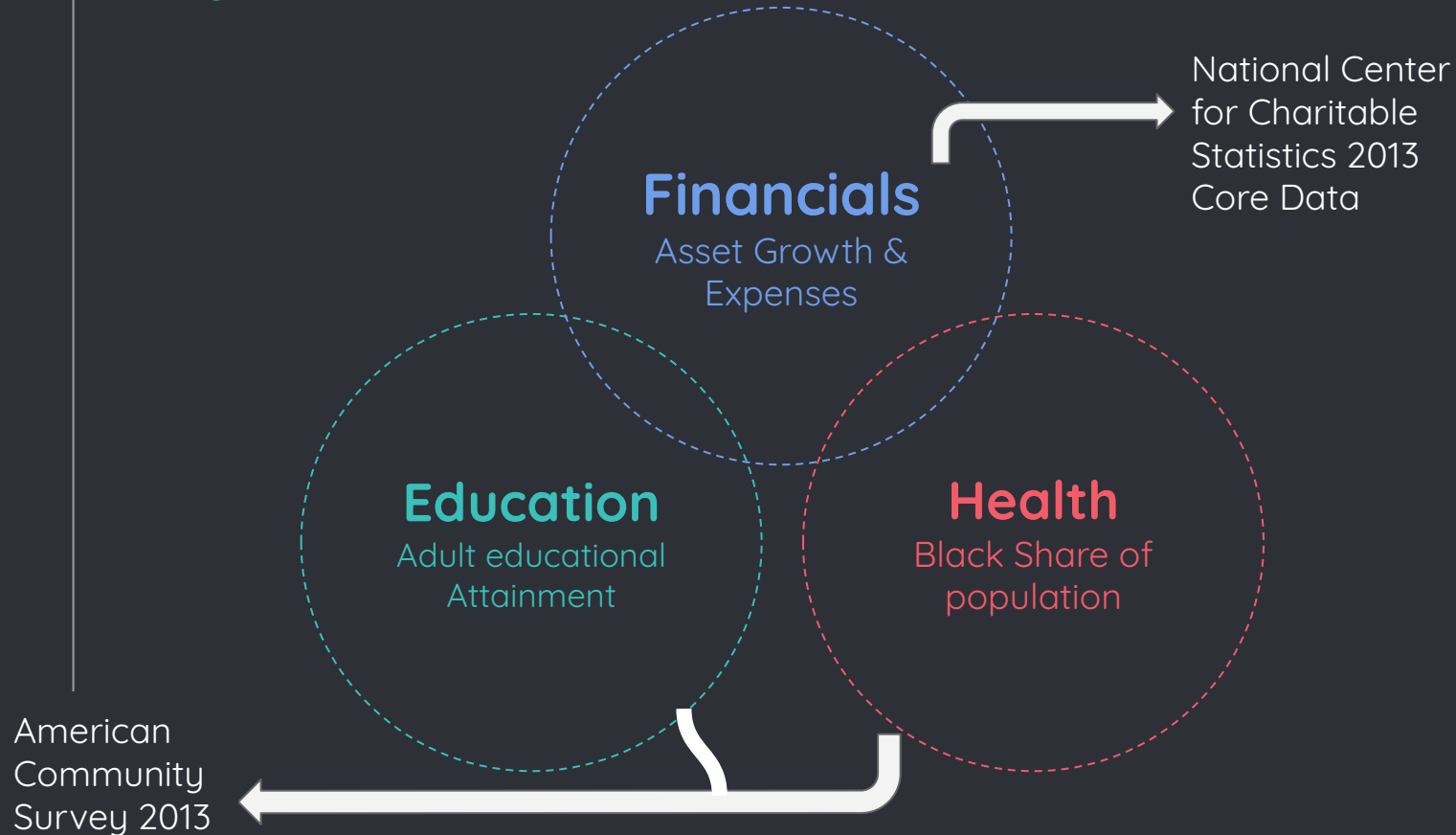
Methodology



# Identifying Gaps

High Need, Low Access

- Target Measures



- A Note on Measures

- **Health**

A Black Philadelphians experience higher instances of cancer, asthma, and heart disease than any other racial group.<sup>2</sup>

- **Education**

A parent's educational attainment is strongly correlated with their child's education attainment.<sup>3</sup>

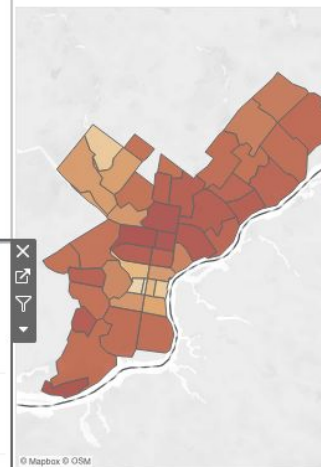
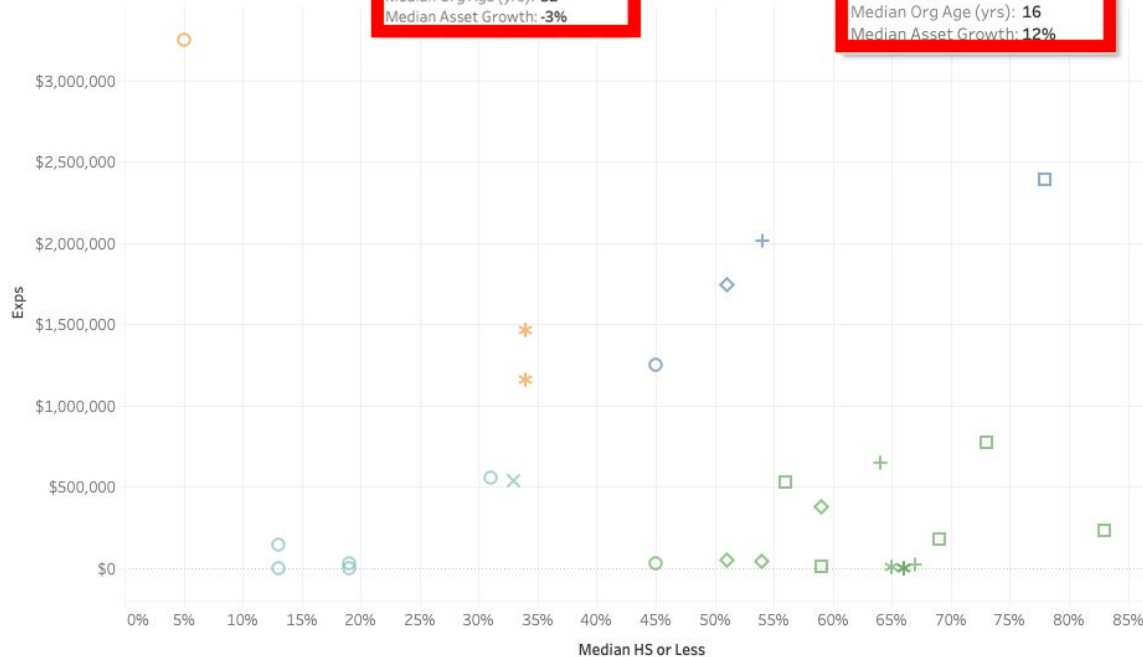
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## Results

## Education Access vs. Educational Attainment



## Education-Clusters



Org Type

Vocational

Some colle.. 0.1400 0.9600

Neighborhood

○ Center City

□ North

+ Northeast

× Northwest

\* South

◇ West

Clusters (4)

■ Cluster 1

■ Cluster 2

■ Cluster 3

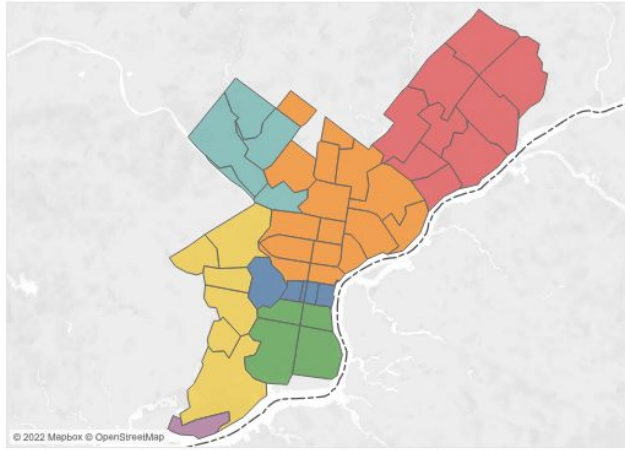
■ Cluster 4

Health Care Access

Fiscal Overview



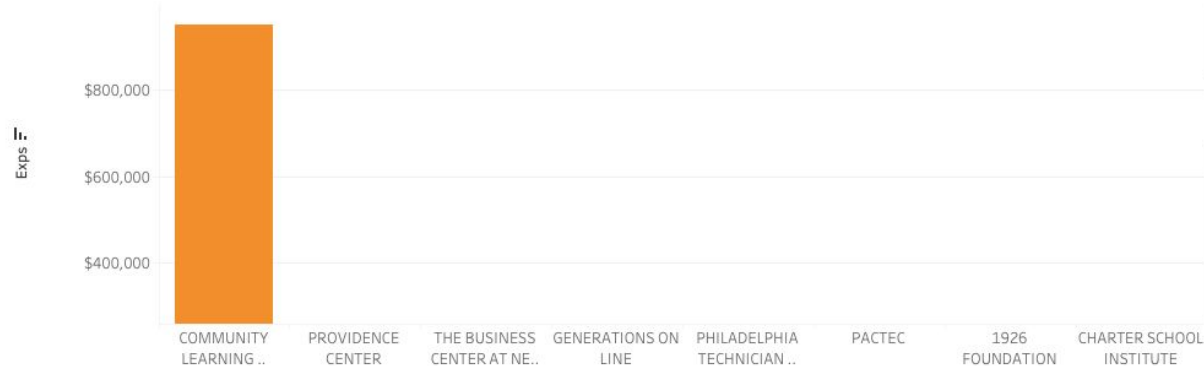
# Fiscal Overview by Neighborhood



Fiscal Health by Neighborhood



Total Expenses



Org Type  
ED

Subtypes: Health  
Other

Subtypes: Educational  
Vocational

**Education Access**

**Health Care Access**

## ● Results

- North, Northeast, and West Philadelphia have a large concentration high-need, low-access zipcodes.
- Nonprofits are seem to be 'healthier' in North Philadelphia.

- Future Work

- **Predicting Asset Growth trends**
  - LR model to predict net asset growth of nonprofits.
- **Forecasting demographic trends**
  - ARIMA model to forecast key measures (educational attainment, poverty rate) at the zipcode level.



# *Questions*

## Appendix

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2. "What harms health and wellness in Philadelphia's black communities? Local experts respond. *The Philadelphia Inquirer*, 02/05/2020. Retrieved March 17th, 2022 from: <https://www.inquirer.com/opinion/commentary/philadelphia-health-disparities-black-residents-black-history-month-20200201.html>
3. Nonprofit Repositioning Fund. *The Financial Health of Greater Philadelphia Nonprofits*. November 2020. Retrieved 03/18/2022 from: <https://repositioningfund.org/wp-content/uploads/2020/12/Philadelphia-990-Report-11.23.20.pdf>
4. NCCS Data Archive: <https://nccs-data.urban.org/data.php?ds=trend>
5. 2013 American Community Survey Five-Year Estimates <https://data.census.gov/>
6. Name Census: <https://namecensus.com/zip-codes/pennsylvania/>