

Baltimore Neighborhood Indicators Alliance

Data-Driven Decision Making in West Baltimore for Smart Technology Planning



Heritage Crossing

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*Seema Iyer, Director
Cheryl Knott, GIS Project Manager*

Smart Cities Planning Grant

- ▶ Project Led by the University of Maryland, with Morgan State, Johns Hopkins and University of Baltimore
- ▶ How can “smart technology” help improve the quality of life in West Baltimore?
- ▶ What is Smart Technology?
 - ▶ Sometimes it’s about using new technology (sensors, mobile applications, etc)
 - ▶ Sometimes it’s about using existing technology—smarter
- ▶ Goals for this meeting
 - ▶ Understand how Heritage Crossing uses data about the neighborhood
 - ▶ What are the community’s concerns and issues based on existing information
 - ▶ What kinds of information gaps exist
 - ▶ How would you access data in the future

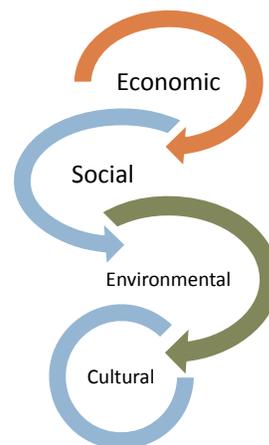
About BNIA

- ▶ Non-profit started nearly years ago by local stakeholders, now based within Jacob France Institute at University of Baltimore
- ▶ “One-stop-shop” for *comprehensive*, non-partisan data and training
 - ▶ Multiple topic areas
 - ▶ Data over time (2000 - 2018)



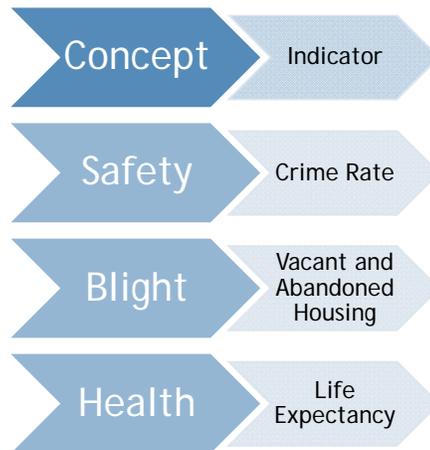
Community Indicators

- ▶ Individual statistics, that when combined, provide a picture of what is happening in a community
 - ▶ Ex. Crime rate, unemployment rate, median household income, life expectancy, etc.
- ▶ When tracked over time, indicators can provide insight to the overall direction of a community
 - ▶ Is crime getting better or worse? Are more people finding jobs? Are there fewer vacant and boarded up houses?
- ▶ Used for setting goals and tracking progress
 - ▶ Did an intervention strategy work? How does the neighborhood compare to the city as a whole?



Indicators as a Proxy for Community Issues

- ▶ Indicators calculated from data help quantify broader community-based issues.



What is Data?

- ▶ Surveys
- ▶ Observations
- ▶ Newspapers/Archives
- ▶ Census
- ▶ Big Data
 - ▶ Transactions made through some electronic interface (i.e. credit card swipes)
- ▶ Administrative Data
 - ▶ Lists of interactions between citizens and the government

BNIA-JFI Data Sources

Administrative Data

- ▶ Public School System
- ▶ Police Department
- ▶ Baltimore Housing
- ▶ Department of Public Works
- ▶ Department of Transportation
- ▶ CitiStat
- ▶ Board of Elections

Publicly-Available Open Data

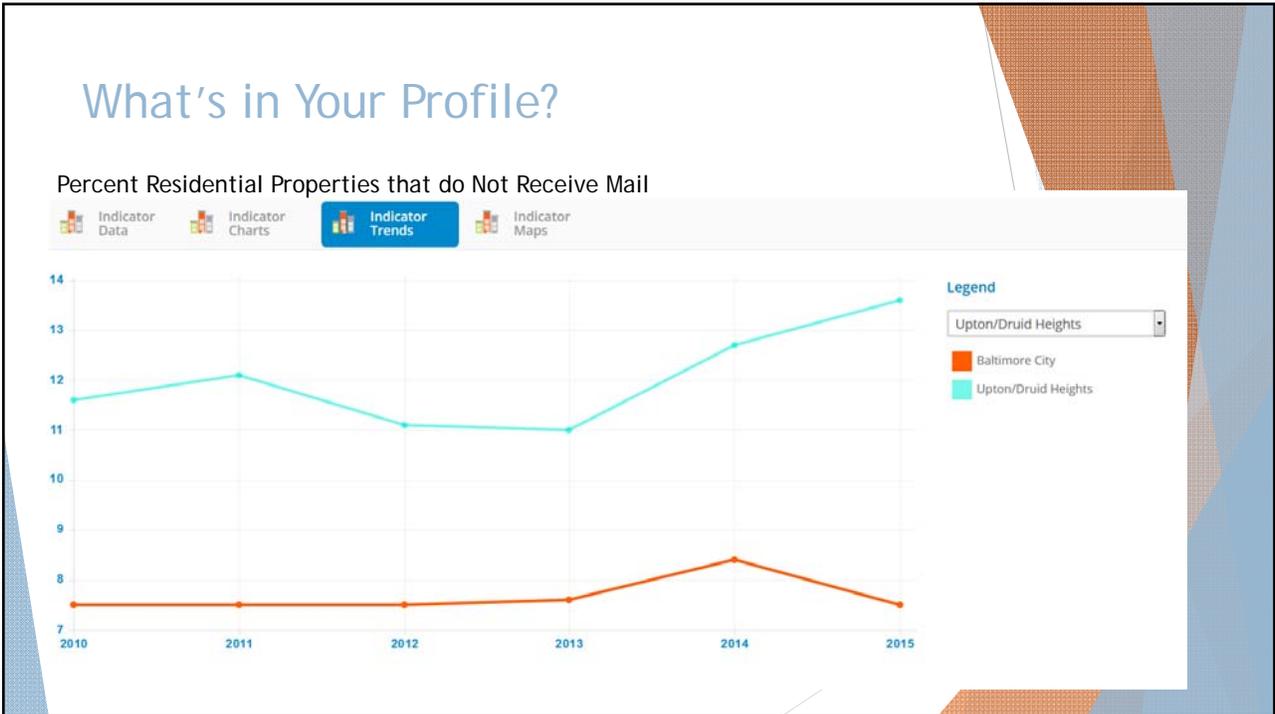
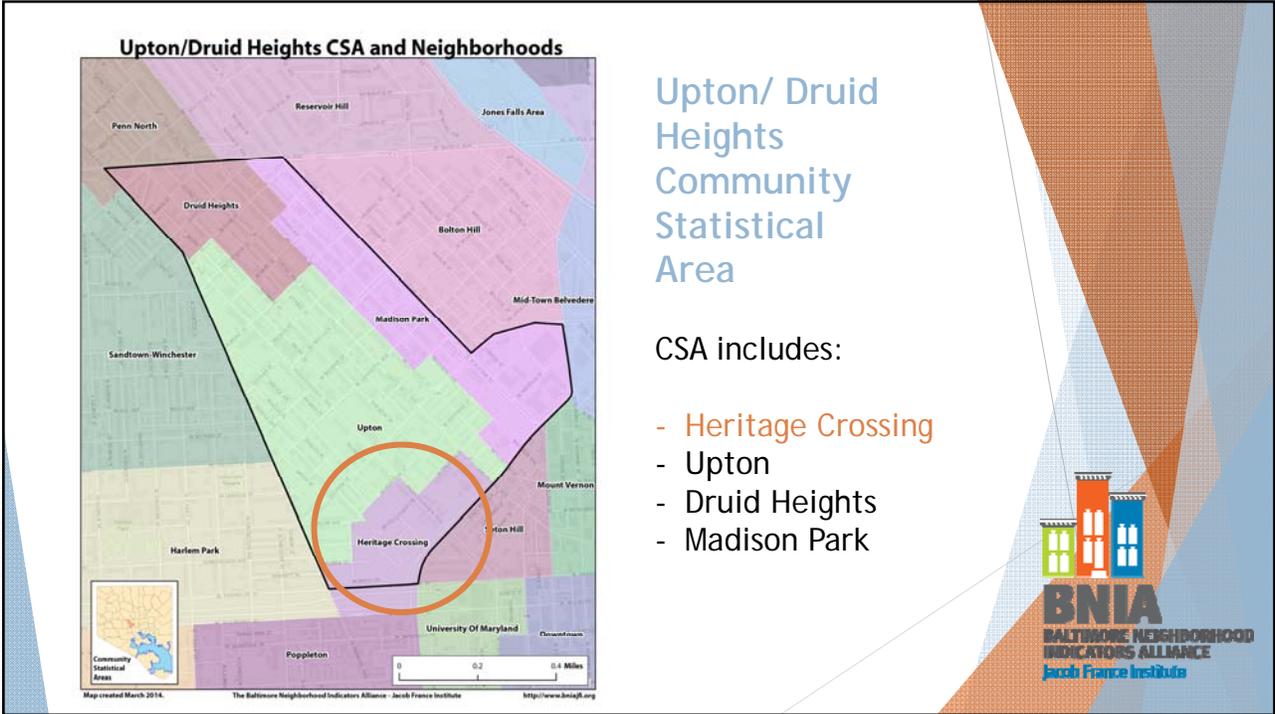
- ▶ Open Baltimore
(<http://data.baltimorecity.gov>)
Housing, CitiStat, crime
- ▶ American FactFinder
(<http://factfinder.census.gov>)
Demographics
- ▶ Maryland Judiciary Case Search System
(<http://casesearch.courts.state.md.us/casesearch/>)
Foreclosures



Vital Signs

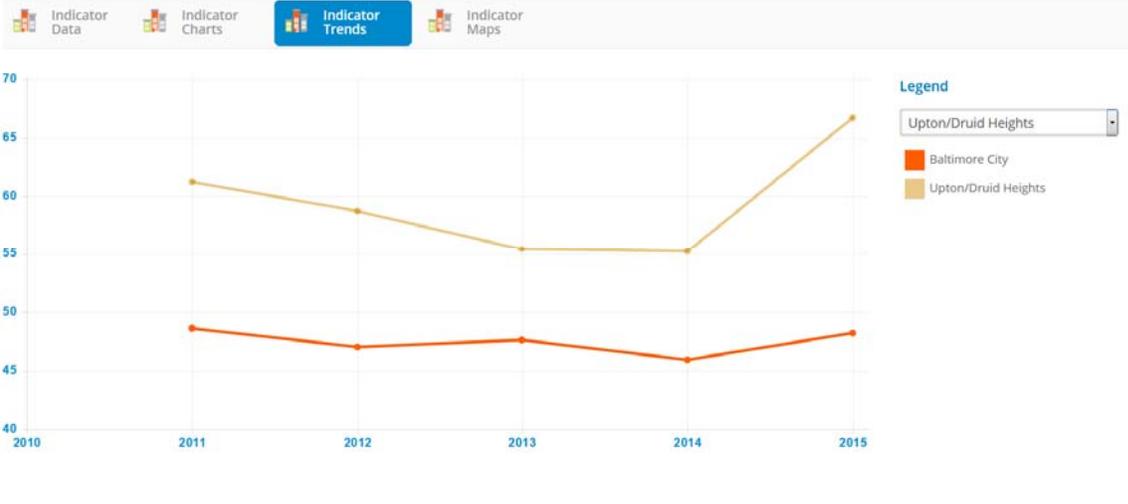
- ▶ Yearly report of our comprehensive indicators; *Vital Signs 16* to be released April 11, 2018 with data through 2016
- ▶ Over 160 measures, over 50 sources
- ▶ Topic areas:
 - ▶ Census Demographics
 - ▶ Housing and Community Development
 - ▶ Children and Family Health and Well-Being
 - ▶ Crime and Safety
 - ▶ Workforce and Economic Development
 - ▶ Arts and Culture
 - ▶ Education and Youth
 - ▶ Sustainability





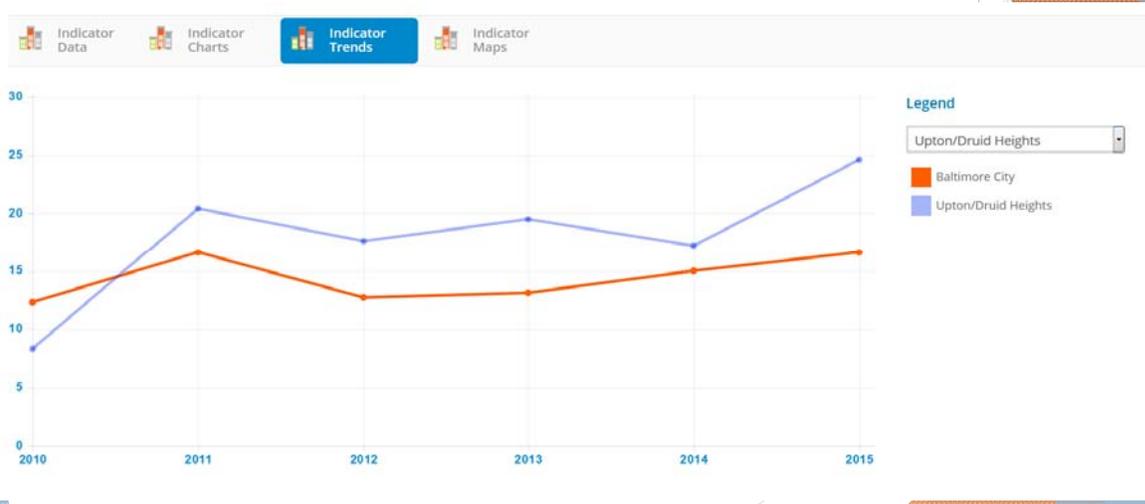
What's in Your Profile?

Property Crime Rate per 1,000 Residents



What's in Your Profile?

Percent of 1st-5th Grade Students that are Chronically Absent (Missing at least 20 days)



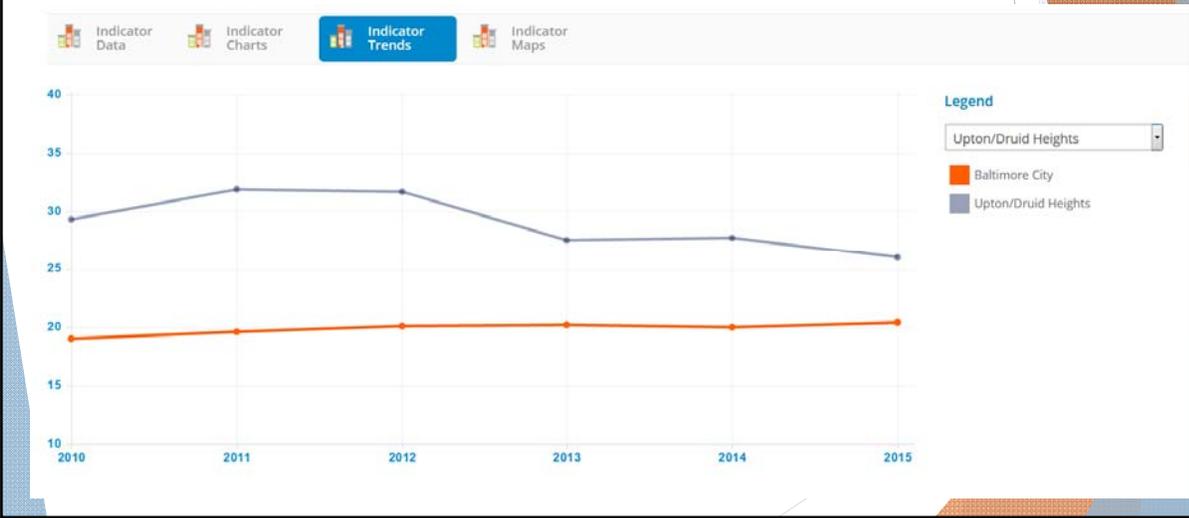
What's in Your Profile?

Teen Pregnancy Rate per 1,000 Females (aged 15-19)



What's in Your Profile?

Percent of Employed Population with Travel Time to Work of 45 Minutes and Over



Next Steps

▶ Breakout Groups

- ▶ What would you like to improve in the neighborhood?
- ▶ What additional data would you like to see?

▶ Next Meeting

- ▶ Hands on Workshop with more specific data for Heritage Crossing
- ▶ Ideas for smart technology based on community concerns

Contact

<http://www.bniajfi.org>

bnia-jfi@ubalt.edu

@bniajfi
Twitter/Facebook

