# Mapping Poverty and Mobility Patterns in Baltimore City

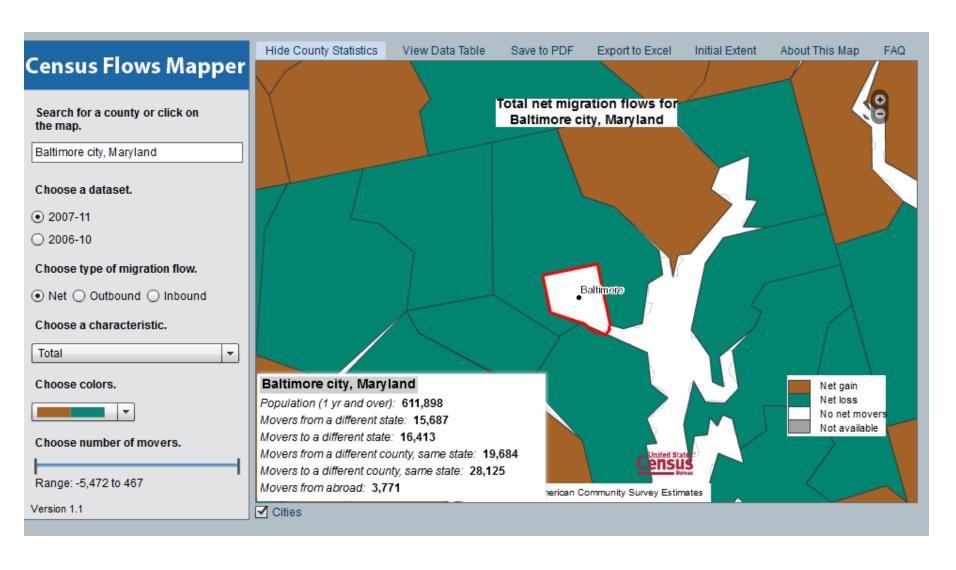
ACS Data Users Group Conference

May 2014

# Migration

- ACS collects data every month and asks about residence one year earlier.
- Many Census resources for State-to-State and County-to-County migration
  - Detailed Tables
  - Census Flows Mapper

# Census Flows Mapper



People

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You are here: Census.gov > People and Households > Geographical Mobility/Migration Main > Data > Data on Geographical Mobility/Migration > American Community Survey Data on Geographical Mobility/Migration

### Geographical Mobility/Migration

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  Geographical
- Mobility/Migration

#### American Community Survey Data on Geographical Mobility/Migration

The American Community Survey (ACS) is an annual national survey collected monthly which provides communities with reliable and timely demographic, housing, social, and economic data every year.

Annual data on Migration is used to determine the extent of residential mobility of the population for the U.S., states, metropolitan areas, and more specific geographical areas that meet minimum population sizes for the given survey year. Data are available from 2000 to the present.

#### Data Tables, Products and Reports

State-to-State Migration Flows

County-to-County Migration Flows

The Migration of Military Spouses using the 2007-2011 5-Year American Community Survey [PDF - 283K]

Geographical Mobility: 2008 to 2009

Report [PDF - 118K]

Lifetime Mobility in the United States: 2010 (ACS)

· Report [PDF]

2006 ACS Content Test Report P.3: Evaluation Report Covering Residence 1-Year Ago (Migration)

Domestic Migration Flows for States from the 2005 ACS [PDF - 141K]

#### Available Tabulations

to do2012-4 [Compatibility Mode] - Microsoft Word

inere are more than 25 annual recurring tables on American FactFinder; migration available from American FactFinder since 2000.

Single year estimates for areas size 65,000 and larger are available beginning in 2006 (for data year 2005). Three-year estimates for areas size 20,000 and larger are available beginning in 2008 (for data years 2005-7) Five-year estimates for census groups and larger are available beginning in 2010 (for data years 2005-9).

#### Other Technical Papers and Presentations

Comparison of ACS and ASEC Data on Geographical Mobility: 2004 [PDF - 93K]

Calculating Migration Expectancy Through example and worksheet, this site explains how to calculate estimates on the average number of moves people make in a lifetime.

## Migration by Census Tracts

- 2005-2009 5-year ACS (No Characteristics).
- 2006-2010 5-year ACS (Crossed by Age, Sex, Race, or Hispanic or Latino Origin).
- 2007-2011 5-year ACS (Crossed by Educational Attainment, Household Income, or Individual Income, Poverty).
- Variable: **B07012**

# Intersecting Migration and Poverty

### Migration

- Current Residents
  - Living in Same House 1 Year Ago
  - Different House 1 Year Ago
    - In Baltimore City
    - In Different County in Maryland
    - In Different State

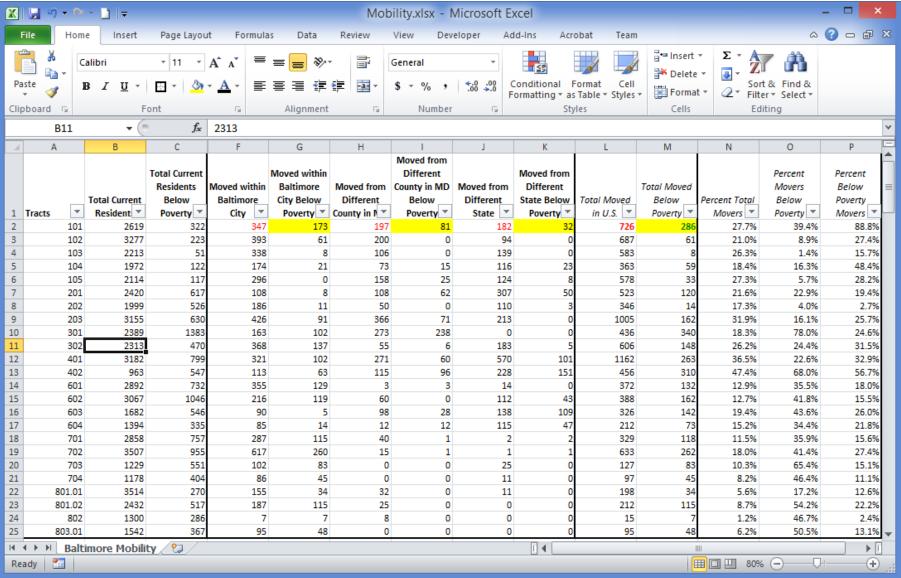
### **Poverty**

- Below Poverty
- 100-149% Poverty
- 150% and Above Poverty

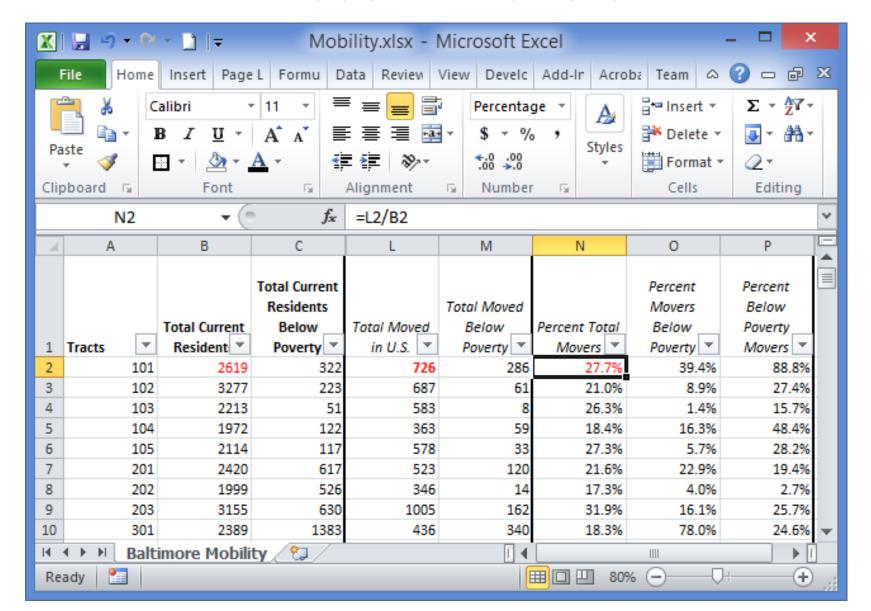
### What Questions Can We Answer?

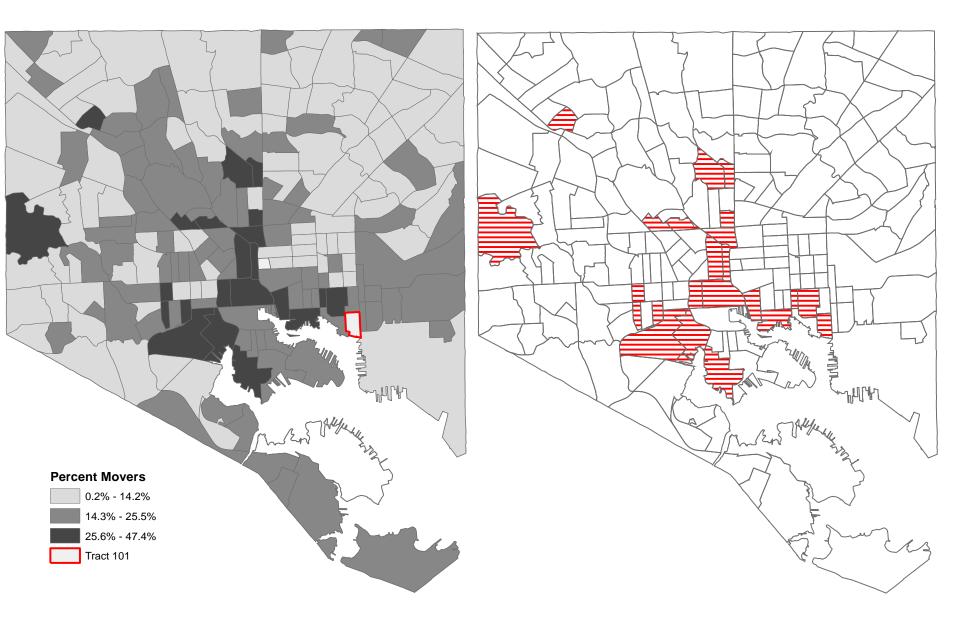
- How many current residents lived in a different house in Baltimore City? Another county in Maryland? Another state? (Recent Movers)
- How many recent movers have incomes below poverty? (Recent Movers Below Poverty)
- How many current residents with incomes below poverty are recent movers? (Below Poverty Recent Movers)

# Data Downloaded (and Calculated)

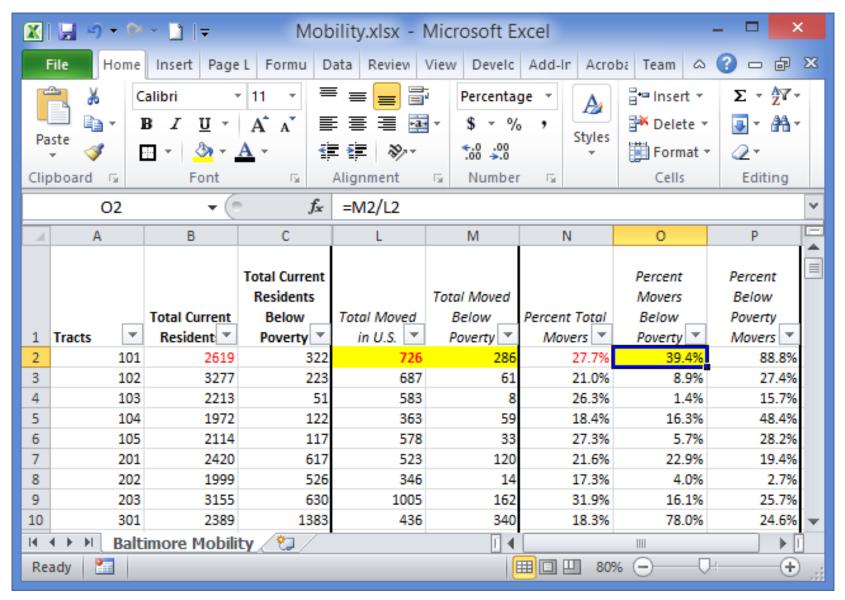


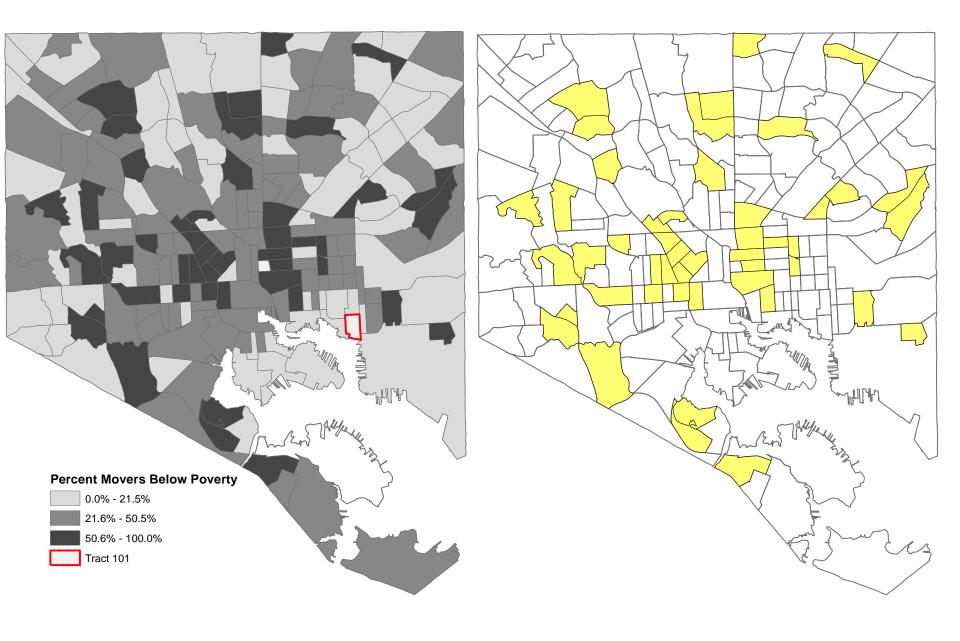
### **Recent Movers**



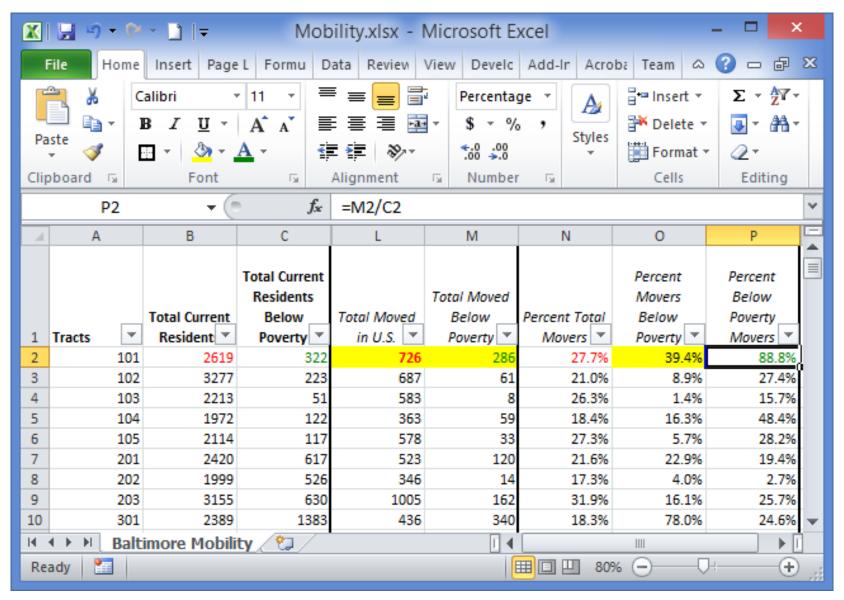


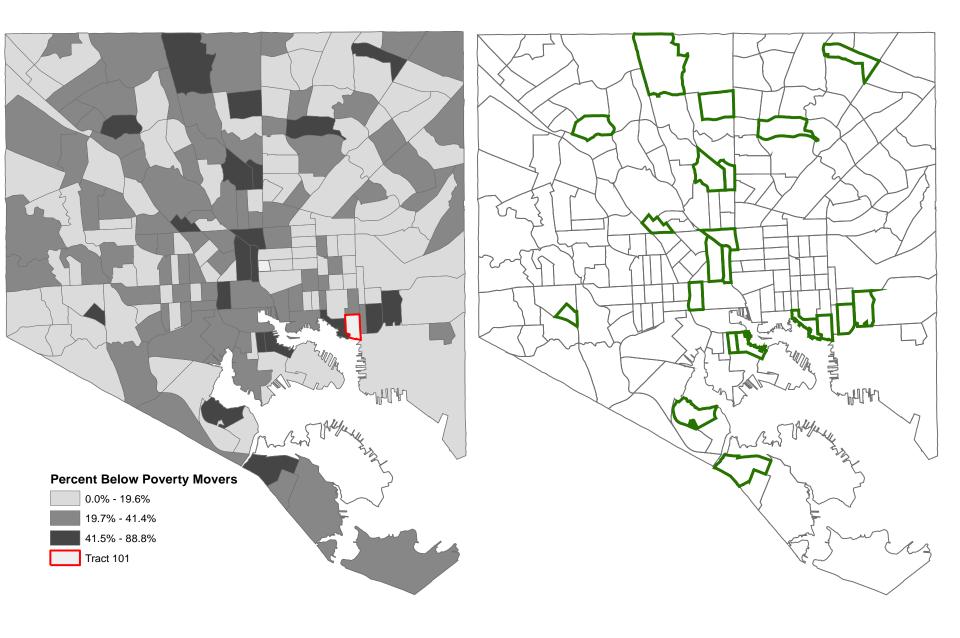
# **Movers Below Poverty**

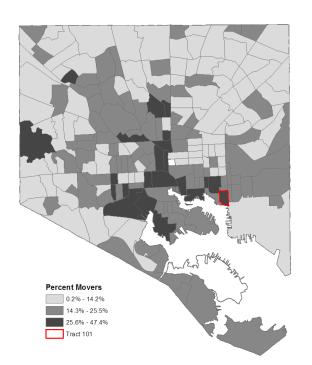


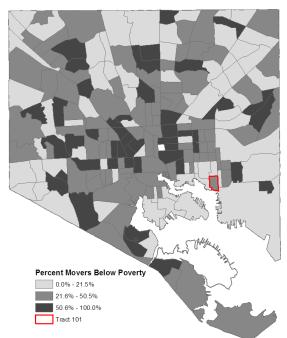


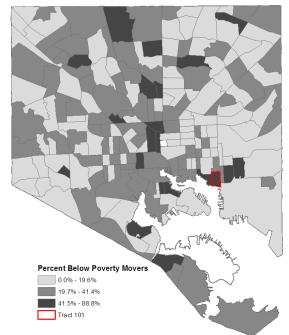
# **Below Poverty Movers**











#### What Can This Tell Us??

#### **Percent Movers**

• Highly transitional neighborhoods

#### **Percent Movers Below Poverty**

- Areas where the majority of movers have incomes below poverty -or-
- Might reflect patterns of poverty

#### **Percent Below Poverty Movers**

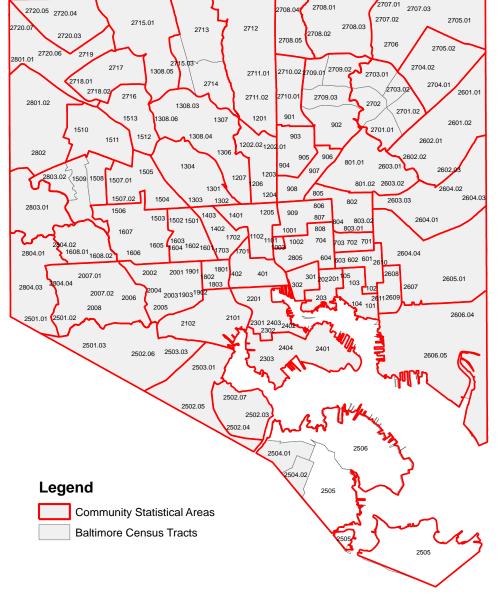
 Current residents with incomes below poverty are recent movers, indicating neighborhood change

		Percent	Percent
		Movers	Below
	Percent Total	Below	Poverty
Tracts	Movers	Poverty	Movers
101	27.7%	39.4%	88.8%
1204	43.2%	24.8%	38.2%
2711.02	0.2%	100.0%	2.4%
2803.02	4.9%	100.0%	15.9%
2713	7.7%	15.3%	71.7%
-			

### **Tableau**

- Free Data Visualization Tool
- Create data visualizations and dashboards that can be embedded in a website or shared
- No need for coding
- Tutorials and user community

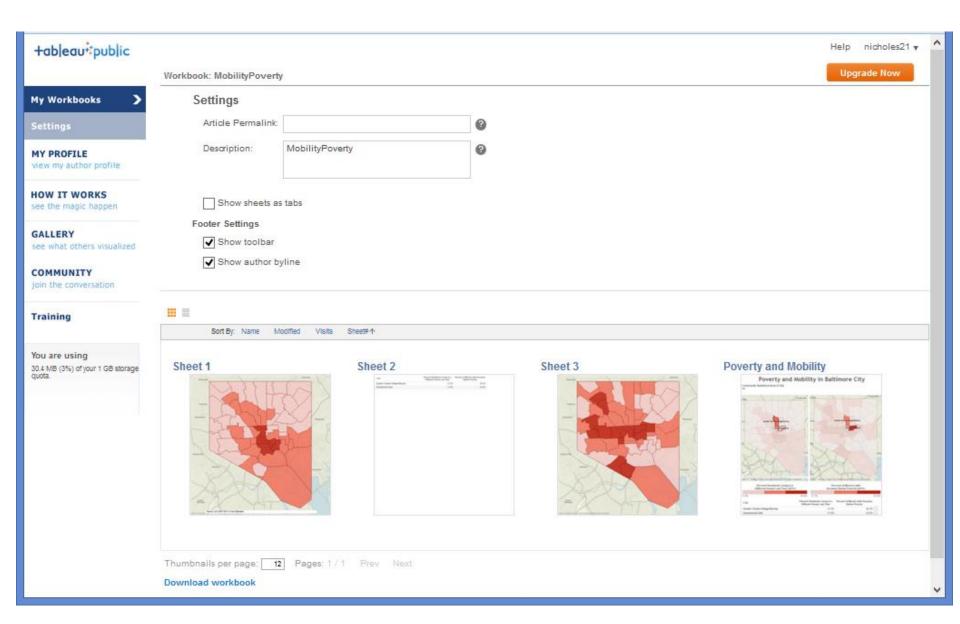
Baltimore City CSAs



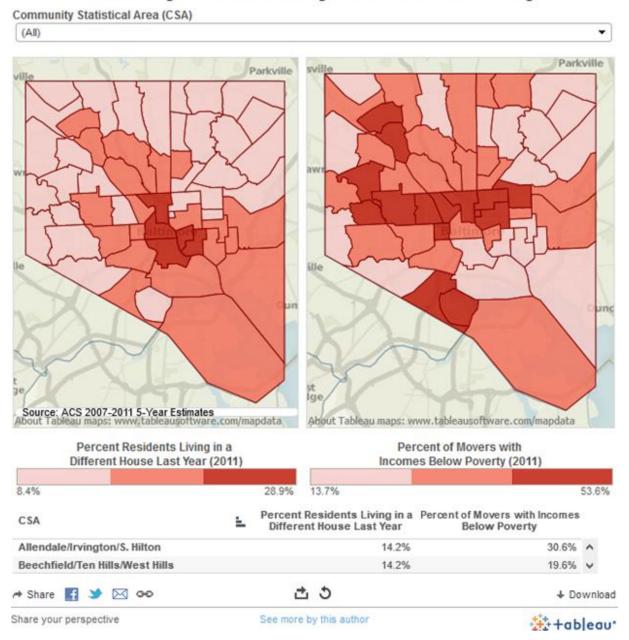
- Aggregate
  - 200 census tracts TO
  - 55 CSAs
- Why?
  - Easier to see patterns
  - Common neighborhood names

## Visualization Components

- Filled Maps with Custom Boundaries
  - Custom boundaries based on lat/long using ET GeoWizards
  - TabGeoHack and GDAL
  - shape2tab
- Worksheets and Dashboards
- Actions



### Poverty and Mobility in Baltimore City



http://public.tableausoftware.com/shared/SJDC62RW7?:display\_count=no

### Contact

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