2016 Census Update
2016 Census Update

2016 PEP Estimate
Housing and Development Data
Investigating a Challenge to the PEP
Moving On: Nature of the Population Change
Policy Implications
2016 PEP Estimate


Baltimore City

614664
2016 PEP Estimate

- Montgomery County
- Prince George's County
- Baltimore County
- Baltimore City
- Anne Arundel County
- Howard County

Pep 2010 to Pep 2016

Baltimore City Department of Planning
2016 PEP Estimate

Baltimore City Department of Planning
### Cohort Cities (2015-2016)

<table>
<thead>
<tr>
<th>County</th>
<th>Population</th>
<th>Numeric</th>
<th>Percent</th>
<th>Births</th>
<th>Deaths</th>
<th>Domestic</th>
<th>International</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cook County, IL</td>
<td>5203499</td>
<td>-21324</td>
<td>-0.41</td>
<td>68049</td>
<td>42297</td>
<td>-66244</td>
<td>18434</td>
</tr>
<tr>
<td>Wayne County, MI</td>
<td>1749366</td>
<td>-7696</td>
<td>-0.44</td>
<td>23209</td>
<td>18231</td>
<td>-17346</td>
<td>4279</td>
</tr>
<tr>
<td>Baltimore city, MD</td>
<td>614664</td>
<td>-6738</td>
<td>-1.08</td>
<td>8654</td>
<td>6871</td>
<td>-11008</td>
<td>2195</td>
</tr>
<tr>
<td>Cuyahoga County, OH</td>
<td>1249352</td>
<td>-5673</td>
<td>-0.45</td>
<td>14941</td>
<td>13563</td>
<td>-10122</td>
<td>3402</td>
</tr>
<tr>
<td>Suffolk County, NY</td>
<td>1492583</td>
<td>-5320</td>
<td>-0.36</td>
<td>15446</td>
<td>12793</td>
<td>-11278</td>
<td>4327</td>
</tr>
<tr>
<td>Milwaukee County, WI</td>
<td>951448</td>
<td>-4866</td>
<td>-0.51</td>
<td>13675</td>
<td>8176</td>
<td>-13186</td>
<td>2505</td>
</tr>
<tr>
<td>Allegheny County, PA</td>
<td>1225365</td>
<td>-3933</td>
<td>-0.32</td>
<td>13193</td>
<td>13995</td>
<td>-5821</td>
<td>3479</td>
</tr>
<tr>
<td>San Juan County, NM</td>
<td>115079</td>
<td>-3622</td>
<td>-3.05</td>
<td>1703</td>
<td>1026</td>
<td>-4341</td>
<td>42</td>
</tr>
<tr>
<td>St. Louis City, MO</td>
<td>311404</td>
<td>-3471</td>
<td>-1.1</td>
<td>4547</td>
<td>3070</td>
<td>-6189</td>
<td>981</td>
</tr>
<tr>
<td>Jefferson County, NY</td>
<td>114006</td>
<td>-3254</td>
<td>-2.78</td>
<td>2000</td>
<td>945</td>
<td>-4674</td>
<td>345</td>
</tr>
</tbody>
</table>
Drop is *Counterintuitive*: New Units

Since 2010:

+ **15,626**
  
  completed new units

+ **5,600**
  
  under construction
Drop is *Counterintuitive:* Vacancy is fairly flat and falls 2015 to 2016.
Components of Change, 2015 to 2016

- **PEP: Cohort Components**

<table>
<thead>
<tr>
<th>Total Change</th>
<th>Births</th>
<th>Deaths</th>
<th>Net Migration International</th>
<th>Net Migration Domestic</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Baltimore City Department of Planning

CENSUS UPDATE
Exploring a Challenge

1. Rules for Challenge

NOTE: Incorporated places or MCDs that the Census Bureau lists as county-level statistical equivalents (see Appendix C) are not eligible for an updated population estimate based upon housing data because they were created using the county-level Cohort Component method; they must instead be challenged with updated data based upon births, deaths, migration, and group quarters.

County jurisdictions (including Baltimore) are not able to use housing data as part of a challenge.
Exploring a Challenge

1. Rules for Challenge
2. Group Quarters data

- State of Maryland Vital Statistics Administration within the Department of Health and Mental Hygiene (Federal-State Cooperative Program for Local Population Estimates)
Exploring a Challenge

1. Rules for Challenge
2. Group Quarters data
3. Methodological changes

We changed the way we handle tax records from the Internal Revenue Service (IRS) for people ages 0-17. When duplicate records are found for children, we now select the dependent record instead of the primary filer record. This selection changes the under 18 net migration rates and the population by demographic characteristics in some states and counties.
Exploring a Challenge

1. Rules for Challenge
2. Group Quarters data
3. Methodological changes

Under 18 Population by Family Household Type

- In nonfamily households: 1,345
- In female householder, no husband present, family: 70,732
- In male householder, no wife present, family: 13,525
- In married-couple family: 45,402

Total: 85,000
Exploring a Challenge

1. Rules for Challenge
2. Group Quarters data
3. Methodological changes <<100 individuals
## Exploring a Challenge:

### 1. Rules for Challenge
### 2. Group Quarters data
### 3. Methodological changes
### 4. Intra-Region Migration Trends

### Table: Migration Trends

<table>
<thead>
<tr>
<th>AREA:</th>
<th>IN-MIGRATION</th>
<th></th>
<th>OUT-MIGRATION</th>
<th></th>
<th>NET MIGRATION (IN-OUT):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ESTIMATE (+/-) MOE</td>
<td>PERCENT</td>
<td>ESTIMATE (+/-) MOE</td>
<td>PERCENT</td>
<td>ESTIMATE (+/-) MOE</td>
</tr>
<tr>
<td>Total Migration</td>
<td>37,848</td>
<td>1,897</td>
<td>38,182</td>
<td>1,951</td>
<td>-334</td>
</tr>
<tr>
<td>Intra-U.S. Migrants</td>
<td>33,997</td>
<td>1,813</td>
<td>100.0%</td>
<td>38,182</td>
<td>-4,185</td>
</tr>
<tr>
<td>Intra-State Migrants</td>
<td>20,521</td>
<td>1,514</td>
<td>60.4%</td>
<td>21,212</td>
<td>-691</td>
</tr>
<tr>
<td>Baltimore Region</td>
<td>15,392</td>
<td>1,312</td>
<td>45.3%</td>
<td>17,004</td>
<td>-1,612</td>
</tr>
<tr>
<td>Anne Arundel</td>
<td>2,590</td>
<td>486</td>
<td>7.6%</td>
<td>2,460</td>
<td>130</td>
</tr>
<tr>
<td>Baltimore County</td>
<td>10,299</td>
<td>1,130</td>
<td>30.3%</td>
<td>12,302</td>
<td>-2,003</td>
</tr>
<tr>
<td>Carroll</td>
<td>307</td>
<td>110</td>
<td>0.9%</td>
<td>296</td>
<td>11</td>
</tr>
<tr>
<td>Harford</td>
<td>736</td>
<td>228</td>
<td>2.2%</td>
<td>919</td>
<td>-183</td>
</tr>
<tr>
<td>Howard</td>
<td>1,460</td>
<td>379</td>
<td>4.3%</td>
<td>1,027</td>
<td>433</td>
</tr>
<tr>
<td>Baltimore City</td>
<td>0</td>
<td>0</td>
<td>0.0%</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Source: Maryland Department of Planning, American Community Survey (2010-2014)
Exploring a Challenge:

1. Rules for Challenge
2. Group Quarters data
3. Methodological changes
4. Intra-Region Migration Trends

Source: Comptroller of Maryland, Bureau of Revenue Estimates
Exploring a Challenge:

1. Rules for Challenge
2. Group Quarters data
3. Methodological changes
4. Intra-Region Migration Trends

Source: Comptroller of Maryland, Bureau of Revenue Estimates

Change in Population and State Tax Filers

- Baltimore City Filers Change
- Baltimore City Population Change

Change in Population and State Tax Filers

- Baltimore City Filers Change
- Baltimore County Filers Change

Source: Comptroller of Maryland, Bureau of Revenue Estimates
Exploring a Challenge:

- Rules for Challenge
- Group Quarters data
- Methodological changes
- Intra-Region Migration
Agenda

2016 PEP Estimate

Housing and Development Data

Investigating a Challenge to the PEP

Moving On: Nature of Population Change

Policy Implications
Other PEP Components are 11% of the loss.

About 11% of Drop.
Characteristics of Population Change: Gender

Characteristics of Population Change: Age

Characteristics of Population Change: Age

Characteristics of Population Change: Age

Baltimore City Population by Age Group

Characteristics of Population Change: Race

Characteristics of Population Change: Race


82% of Drop.
Characteristics of Population Change: Race

Population Change by Race

Change b/w 2010 and 2015
(ACS Population Estimate)

- Loss of greater than 750
- Loss of 250 to 750
- Loss of up to 250
- Gain of up to 250
- Gain of 250 to 750
- Gain of greater than 750
- Statistically Significant
Change b/w 2010 and 2015
(ACS Population Estimate)
- Loss of greater than 750
- Loss of 250 to 750
- Loss of up to 250
- Gain of up to 250
- Gain of 250 to 750
- Gain of greater than 750
- Statistically Significant
Characteristics of Declining Tracts: *Predominantly African American*

Population by Race

- Other: 97.0%
- Two or More: 89.1%
- Black: 74.0%
- White: 92.8%

Baltimore City: 81.8% 62.8%
Characteristics of Declining Tracts: *Above Avg Owner Occupancy*

% Owner Occupied

![Graph showing % Owner Occupied from 2010 to 2015, with different colored lines representing different areas, including 160700, 151000, 270903, 090800, 090100, and Baltimore City.](image)
Characteristics of Declining Tracts: Lower Middle Income

Median Income

- 2010
- 2011
- 2012
- 2013
- 2014
- 2015

$10,000
$20,000
$30,000
$40,000
$50,000
$60,000

160700
151000
270903
090800
090100
Baltimore City
Census Update

2016 PEP Estimate

Housing and Development Data

Investigating a Challenge to the PEP

Moving On: Nature of Population Change

Policy Implications
Families families families: schools, safety, housing stock.

Capture the millennials: amenities, urbanity.

Ensure growth isn’t a “sugar high”.

Examine middle income and “aging out” communities and target home ownership and elderly support.

*Probably a hundred other things as well.*
Thanks!

Robert F Pipik
Robert.pipik@baltimorecity.gov

Baltimore City Department of Planning