LODES, OnTheMap, and Emergency Management: Advanced Topics

LED Partnership Workshop
September 10, 2014
Training Outline

• OnTheMap: Advanced Analyses
• OnTheMap: Selecting Geographies
• LODES: Understanding the Block Crosswalk
• OnTheMap for Emergency Management: Using New Features in Version 4
Key Training Concepts

• The information are out there.
• Use begets understanding.
• Don’t throw away this presentation!
Choose Jobs:
1. Select Area
2. Home or Work
3. Year
4. Job Type

Notes:
1. We can only summarize on “standard” geographies.
2. By selecting “self” as the Destination/Paired Area, we also release the constraint of treating the selection area as only home or work and so include additional jobs in the analysis.
Live Demos

- http://onthemap.ces.census.gov/
OnTheMap: Selecting Geographies

• Start with a point or set of points (line, polygon) – whether hand-drawn or imported.
• Choice:
  – Select existing census geography (or not) and
  – Buffer in some way (or not)
• Get the census blocks that are inside.
Live Demos

• http://onthemap.ces.census.gov/
LODES: Understanding the Block Crosswalk

Link with Preselected Blocks or Link Data to Crosswalk and Subset Later

<table>
<thead>
<tr>
<th>Raw Data Files</th>
<th>Your Selection</th>
<th>Block Crosswalk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block ID</td>
<td>Data Fields...</td>
<td>Block ID</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>53</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>126</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>144</td>
</tr>
</tbody>
</table>
Problems from Not Using the Block Crosswalk

• Don’t get current/correct/official geographies
• Count mismatch with OnTheMap
• Core issue:

<table>
<thead>
<tr>
<th>Block ID</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>010330206004043</td>
<td>01033</td>
</tr>
<tr>
<td>010330206004044</td>
<td>01033</td>
</tr>
<tr>
<td>010330207011000</td>
<td>01077</td>
</tr>
<tr>
<td>010330207011001</td>
<td>01033</td>
</tr>
<tr>
<td>010330207011002</td>
<td>01033</td>
</tr>
</tbody>
</table>

This block is properly in Lauderdale County, Alabama (01077) even though its Block ID suggests that it is in Colbert County (01033).
Browsing the Data

• [http://lehd.ces.census.gov/data/lodes/](http://lehd.ces.census.gov/data/lodes/)

• Make sure to get the LODES7 technical doc!
OnTheMap for Emergency Management

• Version 4 Updates/Changes
  – Revamped user interface
  – More consistent dashboard/data interaction
  – Add ACS 5-year data
Live Demos

• [http://onthemap.ces.census.gov/em.html](http://onthemap.ces.census.gov/em.html)

• Example Events:
  – Hurricane Arthur
  – DR-4166 (South Carolina)
  – Bastrop County Complex Fire (Texas)
Where to get HELP!

- **OnTheMap**
  - [http://lehd.ces.census.gov/applications/help/onthemap.html](http://lehd.ces.census.gov/applications/help/onthemap.html)
  - Particularly the Tutorials section
- **LODES**
- **OnTheMap for Emergency Management**
  - [http://lehd.ces.census.gov/led/datatools/onthemap_em.html](http://lehd.ces.census.gov/led/datatools/onthemap_em.html)
- **Email**
  - CES.OnTheMap.Feedback@census.gov
- **Listserv** (mostly announcements; moderated for spam)
  - [http://lists.census.gov/mailman/listinfo/lehd-onthemap](http://lists.census.gov/mailman/listinfo/lehd-onthemap)