Woodstock Institute
Data Portal Training

September 5, 2013

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Agenda

• About the data portal
• Data and formatting
• What’s available
• Navigating the menus
• Choosing geographic areas
• Viewing/manipulating the data
• Downloading/exporting data
• Examples and Questions
About the data portal

• Our partners rely on our data/analysis
  – Woodstock provided more than 270 hours of technical assistance in 2012

• Community Lending Fact Book since 1984

• New Woodstock website

• Not meant to replace TA

• Evolving
What’s new

• Compare chosen geographic locations
• More accessible
• Visualizations
• More data
Note on formatting

Why is _____________ in a __________ graph?

Why is it in totals, rather than displaying data for individual geographies?

Why isn’t this data available for municipalities?
Note on formatting

Formatting decisions were based on:

– Appealing to a wide audience
– Data sources
– Software
What’s available?

Data portal includes data for the Chicago six county region on:

– Foreclosures
– Mortgage applications
– Housing
– Income
– Employment
Visualizations

- **Foreclosures**
  - Foreclosure Filings
  - Completed foreclosure auctions
  - Filing Trends by Property Type
  - Auction Trends by Property Type
  - Percent Auctions REO
  - Filings & Auctions per 1000 Mortgageable Properties

- **Mortgage applications (purchase and refinance)**
  - Race by Action
  - Ethnicity by Action
  - Gender by Action
  - Occupancy by Race
  - Occupancy by Ethnicity
  - Occupancy by Gender
  - Loan Type Trends
  - Occupancy Trends
  - Multiyear Mortgage Lending Trends
  - Average Loan Size and Income
  - Top Lenders

- **Housing**
  - Vacancy Rates
  - Housing Units & Occupancy

- **Income**
  - No. of Households by Income Quintile
  - Percent of Households by Income Quintile
  - Income Statistics

- **Employment (residence and workplace)**
  - Percent Employment by Gender
  - Number Employed by Sector (graph)
  - Number Employed by Sector (chart)
  - Percent Employed, Private vs. Public
Navigating the portal

www.woodstockinst.org
Three Step Process

Choose data category

Choose geographic locations

View and manipulate the data
Choosing data category

**Mortgage Lending - Purchase Applications**

Choose which geographic areas to pull data from:

Counties
Choosing data category

**Data**

- Foreclosure
- Mortgage Lending
- Housing
- Income
- Employment
- Instructions/FAQ

- Purchase
- Refinance

*Mortgage Lending - Purchase Applications*

Choose which geographic areas to pull data from:

- Counties
Instructions and FAQ

Mortgage Lending - Purchase Applications

Choose which geographic areas to pull data from:

Counties
Choosing geographic locations

<table>
<thead>
<tr>
<th></th>
<th>County</th>
<th>Chicago</th>
<th>Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreclosure</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Mortgage Lending</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Housing</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Income</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Employment</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>
Choosing geographic locations

**County** – Each of the six Chicago area counties (Cook, DuPage, Kane, Lake, McHenry, Will)

**Community Area** – Each of the 77 Chicago community areas plus each of the non-Cook counties

**Municipality** – Incorporated cities within the six Chicago area counties. Unincorporated areas aggregated together (“Unincorporated Area”)
Choosing geographic locations

*Employment by Place of Residence*

Data in this section is calculated by the place of workers' residence (rather than place of employment).

1. Choose counties to pull data from:
   - (All)

OR

2A. Choose areas based on:
   - Community Area

2B. Choose which areas to pull data from:
   - (All)
Choosing geographic locations

WARNING

Choose geographies from multiple menus at your own risk!

• Choosing an individual county, then choosing a municipality will return only data for parts of that municipality in that county.

• Make sure to click refresh before switching geographies.
Viewing and manipulating data

Visualizations and data update as soon as you select any new option.

Visualizations and data display in two ways:

• Totals for selected geographies
• Data for each geography selected
Viewing and manipulating data

### Auction Trends by Property Type (Totals for Selected Geographies)

<table>
<thead>
<tr>
<th>Property Type</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condo</td>
<td>4,086</td>
<td>4,701</td>
<td>7,161</td>
<td>4,827</td>
<td>8,190</td>
</tr>
<tr>
<td>Multi Family</td>
<td>4,704</td>
<td>3,749</td>
<td>3,722</td>
<td>1,994</td>
<td>2,958</td>
</tr>
<tr>
<td>Single Family</td>
<td>16,759</td>
<td>16,293</td>
<td>20,098</td>
<td>13,460</td>
<td>24,097</td>
</tr>
<tr>
<td>Grand Total</td>
<td>25,549</td>
<td>24,743</td>
<td>30,981</td>
<td>20,281</td>
<td>35,245</td>
</tr>
</tbody>
</table>

### Percent of Auctions REO

<table>
<thead>
<tr>
<th>Area</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cook</td>
<td>99.29</td>
<td>97.52</td>
<td>95.76</td>
<td>93.94</td>
<td>92.83</td>
</tr>
<tr>
<td>DuPage</td>
<td>97.79</td>
<td>90.05</td>
<td>92.45</td>
<td>88.18</td>
<td>86.30</td>
</tr>
<tr>
<td>Kane</td>
<td>99.11</td>
<td>94.22</td>
<td>92.67</td>
<td>91.79</td>
<td>91.16</td>
</tr>
<tr>
<td>Lake</td>
<td>99.83</td>
<td>98.43</td>
<td>96.55</td>
<td>94.33</td>
<td>90.31</td>
</tr>
<tr>
<td>McHenry</td>
<td>99.50</td>
<td>96.30</td>
<td>96.60</td>
<td>95.81</td>
<td>91.19</td>
</tr>
<tr>
<td>Will</td>
<td>99.24</td>
<td>94.73</td>
<td>94.77</td>
<td>92.47</td>
<td>86.52</td>
</tr>
<tr>
<td>Grand Total</td>
<td>99.23</td>
<td>96.51</td>
<td>95.33</td>
<td>93.34</td>
<td>91.26</td>
</tr>
</tbody>
</table>
Viewing and manipulating data

Hover over any data point to get more details.

![Number Employed by Sector](image_url)
Almost all data used for the Woodstock Institute data portal is available to download.

Currently a glitch with visualization software, so some ways of exporting data may not work at the moment.
Downloading/exporting data

Four ways to download from the data portal:
Data sources

All sources of data are included at the bottom of each page:

Data source: Record Information Services
Examples

• How do completed foreclosure auctions compare in Woodlawn vs. Hyde Park?

• How does income distribution in Fuller Park compare to Woodlawn?

• How many mortgage purchase applications by African-Americans were originated and denied for Humboldt Park, Hermosa, and Logan Square?
Questions
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