UNDERSTANDING LONGITUDINAL SYSTEM ANALYSIS (LSA)

February 25, 2019
What is LSA?

- The Longitudinal System Analysis (LSA) is a data submission process where CoCs upload aggregate data files from HMIS into HUD’s HDX.
- HUD’s HDX provides access to the data in reviewable formats.
Longitudinal Systems Analysis (LSA)

CoC-Level HMIS Data
- Demographics
- Length of Time Homeless and in the System
- Housing Outcomes
- Returns to Homelessness

HDX 2.0 Display
- Demographics: household type for people experiencing sheltered homelessness, using RRH, and using PSH
- System Use: household types and population groups

- Detailed downloadable data
- Visualization tools
- Built-in data analysis tools (future)
- Guided system modeling tools (future)
How does LSA change the AHAR process?

- AHAR data collection changes
  - Results in more data (system use, RRH, and more cross-cuts)
  - Fewer individual files to submit to HUD
  - No more sample sites – so CoCs with multiple sites in the past only have 1 submission now
  - The files are more complicated than former AHAR files so CoCs review the data by accessing HDX
  - Accept data from all CoCs regardless of coverage and data quality – HUD will continue to use these aspects in analysis though
  - For a comprehensive summary of the changes review the From AHAR to LSA: Understanding the FY18 Changes resource
Who is in the LSA?
Population Groups

- **All Households**
  - Households with Adults & Children
    - Parenting Youth (HoH age 18-24)
  - Adult-Only Households age 18+
    - Unaccompanied Youth (18-21, 22-24, and 18-24)
  - Child-Only Households <age 18
    - Unaccompanied Children
    - Parenting Children

- **Race/Ethnic Groups**
  - Non-Veterans (all age 25+)
  - Veteran
  - Disabled
  - 1st Time/Returner
  - Quick-Returners
  - Long-stayers

- **Key**
  - All Demos; All Sys. Use Data
  - All Demos; Ltd. Sys Use
  - Ltd. Demos; Ltd. Sys Use

- **Fleeing DV**
  - Chronic Homeless
  - Older Adult (Age 55+)
  - 1st Time/Returner
  - Quick-Returners
  - Long-stayers

- **Veteran**
  - Disabled
  - 1st Time/Returner
  - Quick-Returners
  - Long-stayers

- **Disabled**
  - 1st Time/Returner
  - Quick-Returners
  - Long-stayers

- **1st Time/Returner**
  - Quick-Returners
  - Long-stayers

- **Quick-Returners**
  - Long-stayers

- **Long-stayers**
  - All Demos; All Sys. Use Data
  - All Demos; Ltd. Sys Use
  - Ltd. Demos; Ltd. Sys Use

- **Large Families (3+ children)**
  - All Demos; All Sys. Use Data
  - All Demos; Ltd. Sys Use
  - Ltd. Demos; Ltd. Sys Use

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- **1st Time/Returner**
  - Quick-Returners
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- **Quick-Returners**
  - Long-stayers

- **Long-stayers**
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  - All Demos; Ltd. Sys Use
  - Ltd. Demos; Ltd. Sys Use
What “system use” data is in the LSA?

- Average length of time homeless
- Number/percent of people served in homeless settings (i.e., ES, SH, TH) and permanent settings (i.e., PSH, RRH)
- Exits to permanent housing
- Number of first time homeless
- Number/percent of people who return to homelessness
- Understanding how people served in project types interacted with other project types
What will change with the AHAR and national data?

- LSA allows us to
  - Analyze demographics in new ways
    - Ex. Number of female youth 18-21
  - Conduct regular data evaluation for RRH projects
  - Analyze system performance and use concepts
    - Ex. Average length of time homeless for those in the reporting period
How can CoCs use the LSA?

- CoCs can access HDX and download their files
  - This includes larger CSV files
  - Further breakdowns are available

- Resources to see what data is available:
  - LSA Full Table Shells
  - LSA Summary Display Tables
What is in the LSA? - Dashboard

System Performance Overview

Description text for this section/visualization goes here for the [date] reporting period.

- **2,622** HOUSEHOLDS
- **3,257** PEOPLE

- **53** Days Homeless
  - An average number of days homeless

- **26%** Permanent Exits
  - Number of households with permanent system exits

- **32%** Returns
  - Rate of return to the system within 6 months

VIEW DETAILS
What is in the LSA? - LOTH

System Performance by Household Type

Number of households (HH) that have experienced homelessness during the reporting period

- **ADULT ONLY**
  - 847 HH
  - 94 days average cumulative days homeless

- **ADULT & CHILD**
  - 1,123 HH
  - 40 days average cumulative days homeless

- **CHILD ONLY**
  - 652 HH
  - 25 days average cumulative days homeless
What is in the LSA? - Exits

**Average Successful Exits Trend**

Number of households (HHS) that have permanent exits from homelessness in 2016, 2017, and 2018:

- **2016**: 732 (41%)
- **2017**: 603 (60%)
- **2018**: 1,697 (26%)

**Exits by Service Pathway**

The average number of exits for all households that have exited homelessness from [date to date] from 11 service pathways:

<table>
<thead>
<tr>
<th>Service Pathway</th>
<th>All Households (1,807)</th>
<th>Permanent Exit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Exits (PE)</td>
<td></td>
</tr>
<tr>
<td>10% ED/SH</td>
<td>23%</td>
<td>39</td>
</tr>
<tr>
<td>5% TH</td>
<td>60%</td>
<td>51</td>
</tr>
<tr>
<td>12% ED/SH + TH</td>
<td>46%</td>
<td>126</td>
</tr>
<tr>
<td>3% ED/SH + PHH</td>
<td>29%</td>
<td>15</td>
</tr>
<tr>
<td>20% TH + PHH</td>
<td>33%</td>
<td>112</td>
</tr>
<tr>
<td>18% ED/SH + TH + PHH</td>
<td>60%</td>
<td>183</td>
</tr>
<tr>
<td>7% BH</td>
<td>60%</td>
<td>71</td>
</tr>
<tr>
<td>3% ED/SH + PHH</td>
<td>51%</td>
<td>26</td>
</tr>
<tr>
<td>8% ED/SH + BH + PHH</td>
<td>54%</td>
<td>73</td>
</tr>
<tr>
<td>9% PHH</td>
<td>47%</td>
<td>72</td>
</tr>
<tr>
<td>5% BH + PHH</td>
<td>48%</td>
<td>41</td>
</tr>
</tbody>
</table>
What is in the LSA? - Returns

Rate of Return
Snapshot of 6 months return rates for all households with permanent exits

- **Adult Only**: 25% | 114 HH with Permanent Exits
- **Adult & Child**: 46% | 194 HH with Permanent Exits
- **Child Only**: 19% | 133 HH with Permanent Exits

32% | 144 RETURNS of the 441 households with permanent exits
What is in the LSA? - Filters
What is in the LSA? – Demographics

Race & Ethnicity of HoH and adults: ###

- Shelter & Transitional Housing: 94
- Rapid Re-Housing: 312
- Permanent Supportive Housing: 631

- White, Non-Hispanic/Non-Latino
- American Indian or Alaska Native
- Native Hawaiian/Other Pacific Islander
- White, Hispanic/Latino
- Black or African American
- Asian
- Multiple Races
- Missing DK, or Refused
What is in the LSA? – LOTH and Race

53 days homeless is the system average for 2018 for all households

Race and Ethnicity
- 5% of households are White Non-Hispanic (HH head)
- 10% of households are White Hispanic (HH head)
- 12% of households are Black (HH head)
- 2% of households are Asian-Pacific Islanders (HH head)
- 3% of households are any other race/ethnicity

Days Homeless
- Emergency Shelter/Safe Haven
- Transitional Housing
- RRH/PSH Prior to Housing move-in
- Self-reported data

Point of Housing
- Rapid Re-Housing
- Permanent Supportive Housing
What is in the LSA? - Inventory

Inventory Overview
Description text for this section/visualization goes here for the [date] reporting period.

130
Average Nightly Vacant Beds (HMIS-participating)

100
Average Nightly Non-HMIS Participating Beds

591
Average Nightly Inventory (beds)

361
Average Nightly Occupied Beds (HMIS-participating)

Average Nightly Inventory by Project Type (361 occupied beds)
- ES
- TH
- RRH
- PSH

Average Nightly Inventory by Household Type (361 occupied beds)
- AO
- AC
- CO
What is in the LSA? – System Map

System Performance Map

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53 days homeless is the system average for 2018 for all households
What caveats should I be aware of

- Your analysis is only as good as the data itself
- Continue to be aware of the impact of
  - *Bed coverage*
  - *Data quality*
What do we have to look forward to?

- LSA data currently looks backward
- Next iteration allows planning and projection functions
- Allows CoCs to model impacts of policy decisions
  - CoCs can look at
    - increased resources
    - Changes in uses of current resources
System Performance Mapping Tools

53 days homeless is the system average for 2018 for all households.