Findings from Methodology Innovations on a Population Health Survey

SHAPE 2006
Survey of the Health of All the Population and the Environment

Urban Landreman
Hennepin County Human Services & Public Health Department
2007 Joint Statistics Meetings
July 31, 2007
Cities in Hennepin County, Minnesota

Source: Twin Cities Metropolitan Council
(slide) hennepin county cities.mxd
SHAPE 2006
A Survey of Residents of Hennepin County

Study By:
Hennepin County Human Services and Public Health Department

Conducted By:
University of Minnesota School of Public Health

- If you want to complete the survey on the phone, please call 612-624-8657.
- Si desea completar el cuestionario por teléfono, por favor llame al 612-624-8671.
- Vous avez besoin de remplir ce questionnaire par téléphone? Appelez au 612-624-8671.
- Du hast du Fragebogen zu beantworten per Telefon? Bitte rufen Sie 612-624-8671.
- 您可以通过电话完成调查，请拨打612-624-8670．
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Hennepin County
School of Public Health
Hennepin County, Minnesota
County-Level Data Key to Effective Public Health Practice

Comprehensive county-level health assessments are uncommon. Hennepin County, Minnesota, is one of four counties in the United States identified by CDC for their exemplary reports on local health-related quality of life (HRQOL) data. Most counties lack the resources to do their own surveys. Mostly larger entities such as cities or states conduct them. The advantage of communities doing their own survey is that they can look at their population subgroups, both geographic and demographic, and identify unmet health needs.
Mixed Mode

SHAPE 2006
A Survey of Residents of Hennepin County

Study By:
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Human Services and Public Health Department

Conducted By:
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School of Public Health

- If you want to complete the survey on the phone, please call us at 612-624-3633.
- Si deseas completar la encuesta por teléfono, por favor llame al 612-624-0871.
- Yung hoa tie khi nhung bung than an oke kev kwen bhamb kho khuam tie, tho b o
  hau khi nhung bung than 612-624-0871.
- Nêu bạn muốn liên lạc qua điện thoại, xin gọi 612-624-0385.
- Hodi aad néel de aad kaawësiid ak la wisa dhamus too xw a’Belomul falla wew
  xew. Teléfon 612-624-0630.
Selected Demographics of Respondents by Survey Mode

Analysis includes only those cases in mode effect experiment: primary sample, replicates 1, 2, and 3

SOURCE: SHAPE 2006; N (phone) = 560; N (mail) = 1833

NOTE: Percents shown are unweighted
Selected Health Indicators of Respondents by Survey Mode

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Phone</th>
<th>Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difficulty paying for prescription drugs</td>
<td>11.3</td>
<td>11.3</td>
</tr>
<tr>
<td>No regular place of care</td>
<td>11.3</td>
<td>16.4</td>
</tr>
<tr>
<td>Unmet mental health needs in past 12 months</td>
<td>8.9</td>
<td>16.9</td>
</tr>
<tr>
<td>Binge drinking in past 30 days</td>
<td>14.8</td>
<td>20.4</td>
</tr>
<tr>
<td>Never involved in school, community or neighborhood activities</td>
<td>21.3</td>
<td>30.3</td>
</tr>
<tr>
<td>Moved at least 2 times in past 2 years</td>
<td>0.6</td>
<td>8.8</td>
</tr>
</tbody>
</table>

1 Analysis includes only those cases in mode effect experiment: primary sample, replicates 1, 2, and 3

SOURCE: SHAPE 2006; N (phone) = 560; N (mail) = 1833

NOTE: Percents shown are unweighted
Using Delivery Sequence File
SHAPE 2006: DSF Addresses (November 2005) as a % of Occupied Housing Units (Census 2000)

Hennepin County

Data Displayed by Census Tract

- Strata boundaries
- Strata oversample
- City boundaries

DSF as % of Occ. Housing Units
- 81 - 85
- 86 - 95
- 96 - 104
- 105 - 114
- 115 - 349

Overall = 106.5%
DSF = 485,572
Census = 456,129

Source: MSG/GENESYS; Hennepin County HSPHD; U.S. Census, 2000
(slides) DSF addr as % of ooc housing units (census)_5-8-2007_tr (no oversampled areas).mxd
SHAPE 2006: Listed Phones Matched to DSF Addresses as a % of DSF Addresses (November 2005)

Hennepin County

Data Displayed by Census Tract

- Strata boundaries
- Strata oversample
- City boundaries

**Listed phones as % of DSF**
- 11 - 30
- 31 - 50
- 51 - 70
- 71 - 78

**Overall = 54.7%**

Listed phones = 265,415
DSF = 485,572

Source: MSG/GENESYS; Hennepin County HSPHD; U.S. Census, 2000

(slides) listed phones matched to DSF as % of DSF_5-8-2007_tr (no oversampled areas).mxd
## Distance between Primary and Alternate (N = 16,948)

<table>
<thead>
<tr>
<th>Measure</th>
<th>Median</th>
<th>Mean</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td># of Mailstops</td>
<td>2</td>
<td>11</td>
<td>1,818 (58 meters)</td>
</tr>
<tr>
<td>Distance in Meters</td>
<td>13</td>
<td>58</td>
<td>11,261 (~ 7 miles)</td>
</tr>
</tbody>
</table>

2nd largest: 5,729
Percent of Respondents by Sampling Classification
(N = 7,620)

SOURCE: SHAPE 2006
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Search keyword: SHAPEE2006