Combining and Examining the 2005, 2007 and 2008 Medical Monitoring Project HIV/AIDS Data

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The Medical Monitoring Project (MMP) is a national supplemental HIV/AIDS surveillance project designed by the CDC.

The purpose of the MMP is to produce population-based estimates of characteristics of persons with HIV infection and the care they receive.

Adds to core surveillance data collected on all diagnosed/ reported persons living with HIV/AIDS.
MMP Sampling Design

1st Stage - State Level
- Sampling frame: Every US state, District of Columbia, Puerto Rico
- Sampling method: Probability proportional to the number of AIDS cases in December 2002
  - 20 states selected

2nd Stage - Provider Level
- Sampling frame: All facilities providing HIV care in the sampled state – including large, medium and small facilities, public and private facilities, Ryan White supported and non-Ryan White supported
- Sampling method: Probability proportional to number of patients in care at the facility
  - ~40-60 facilities per project area

3rd Stage - Patient Level
- Sampling frame: All patients ≥18 years old and HIV-infected who received care at the facility during a specified 4 month period
  - Sampling method: Equal probability sample
  - 0-125 patients per facility, minimum 400 patients per state
Aims and Methods of PHASE Project

Aims:
- Clean and combine the MMP Interview, Minimum data, Residence and Income data for 2005, 2007, 2008 (the years Maryland participated in the project)
- Examine the age, gender, race, ethnicity, education level and health insurance status of MMP participants by year
- Compare the MMP participants with Maryland total living HIV/AIDS cases on shared variables to assess similarity/differences

Statistical Analysis Methods (SPSS):
- Frequency distributions
- Cross tabulations
## Maryland MMP Data by Year and Source

<table>
<thead>
<tr>
<th>Year</th>
<th>Interviews</th>
<th>Minimum Data Set</th>
<th>Residence Data</th>
<th>Income Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005 (n = 100)</td>
<td>41 (41.0%)</td>
<td>59 (59.0%)</td>
<td>41 (41.0%)</td>
<td>NA</td>
</tr>
<tr>
<td>2007 (n = 348)</td>
<td>148 (42.5%)</td>
<td>325 (93.4%)</td>
<td>207 (59.5%)</td>
<td>145 (41.7%)</td>
</tr>
<tr>
<td>2008 (n = 400)</td>
<td>96 (24.0%)</td>
<td>355 (88.8%)</td>
<td>204 (51.0%)</td>
<td>90 (22.5%)</td>
</tr>
<tr>
<td><strong>Total (848)</strong></td>
<td><strong>285 (33.6%)</strong></td>
<td><strong>739 (87.1%)</strong></td>
<td><strong>452 (53.3%)</strong></td>
<td><strong>235 (27.7%)</strong></td>
</tr>
</tbody>
</table>
Comparison of Maryland MMP Participants Age at Interview with Marylanders Total Living HIV Cases Age at Report for 2005, 2007 and 2008, Percentage
Comparison of Gender Distribution between MMP Participants and Marylanders Total Living HIV/AIDS Cases for 2005, 2007 and 2008, Percentage
Educational Level of MMP Participants (by Year and Percentage)

- **Grades1-8**: 2005 (41), 2007 (96), 2008 (148)
- **Grades9-11**: 2005 (41), 2007 (96), 2008 (148)
- **Grades12 or GED**: 2005 (41), 2007 (96), 2008 (148)
- **Some College**: 2005 (41), 2007 (96), 2008 (148)
- **Bachelor degree**: 2005 (41), 2007 (96), 2008 (148)
- **Any post-graduate studies**: 2005 (41), 2007 (96), 2008 (148)
- **Never attended school**: 2005 (41), 2007 (96), 2008 (148)
- **Do not know**: 2005 (41), 2007 (96), 2008 (148)
Health Insurance of MMP Participants (by Year and Percentage)

<table>
<thead>
<tr>
<th>Health Insurance Type</th>
<th>Year</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private Health Insurance or HMO</td>
<td>2005 (41)</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>2007 (148)</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>2008 (96)</td>
<td>30%</td>
</tr>
<tr>
<td>Medicare</td>
<td>2005 (41)</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>2007 (148)</td>
<td>0%</td>
</tr>
<tr>
<td>Medicaid</td>
<td>2005 (41)</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>2007 (148)</td>
<td>0%</td>
</tr>
<tr>
<td>Medicaid/Other</td>
<td>2008 (96)</td>
<td>30%</td>
</tr>
<tr>
<td>No Insurance</td>
<td>2005 (41)</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>2007 (148)</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>2008 (96)</td>
<td>30%</td>
</tr>
<tr>
<td>Other</td>
<td>2005 (41)</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>2007 (148)</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td>2008 (96)</td>
<td>30%</td>
</tr>
</tbody>
</table>
The major race of the MMP participants is African American, the major ethnicity is non-Hispanic.

The MMP participants were mainly in three age categories: 40-49, 50-59, and 30-39 years old.

The top three education levels for the MMP participants were Grade 12 or GED, Some college, and Grades 9-11.

Private health insurance or HMO, Medicaid, and Medicare were the top three kinds of health insurance.

All of the available MMP data sets were cleaned and combined in Maryland for the first time.
Acknowledgement

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Maryland Department of Health & Mental Hygiene
PHASE Program