Healthy People 2020 Update: Influenza Vaccination

National Influenza Summit
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Outline

• Overview Healthy People
• Influenza goals and targets
• Considerations and future steps
Healthy People overview

• Comprehensive set of national ten-year health objectives
• Increasing number of objectives since 1990
  – 226 (1990); 312 (2000); 467 (2010)
• Only 6% of targets (thus far) met for HP2010
• Vaccination coverage targets HP2010
  – 13 targets met or exceeded
  – 16 not met (all 8 adult, 6 children, 2 adolescent)
  – 10 require data for assessment
• HP2020 – official launch Fall 2010

Changes for Healthy People 2020

• Web accessible database vs print
• Wider range key users vs public health community
• Include implementation strategies & tools to reach target
• Targets should be achievable without assuming any new medical or scientific breakthroughs
  – Default for target setting – 10% above baseline
HP 2010
Obj & Targets - Flu

- 6-23 m (1 dose) – developmental
- >65 yrs – Target 90%
- <65 yr hi risk – Target 60%
- Institutionalized >18 yrs – Target 90%
- Health care workers – Target 60%

Data source: NHIS for all adults except institutionalized (NNHS); NIS for 6-23 m olds

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HP2020 - Flu (proposed)

<table>
<thead>
<tr>
<th>Objective</th>
<th>Data source</th>
<th>Baseline</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-23 m</td>
<td>NIS</td>
<td>23% (2008)</td>
<td>80%</td>
</tr>
<tr>
<td>2-4 yrs</td>
<td>NHIS</td>
<td>40% (2008)</td>
<td>80%</td>
</tr>
<tr>
<td>5-12 yrs</td>
<td>NHIS</td>
<td>25% (2008)</td>
<td>80%</td>
</tr>
<tr>
<td>13-17 yrs</td>
<td>NIS-teen</td>
<td>10% (2008)</td>
<td>80%</td>
</tr>
<tr>
<td>18-64 yrs all</td>
<td>NHIS</td>
<td>25% (2008)</td>
<td>80%</td>
</tr>
<tr>
<td>18-64 yr hi risk</td>
<td>NHIS</td>
<td>39% (2008)</td>
<td>90%</td>
</tr>
<tr>
<td>&gt;65 yrs</td>
<td>NHIS</td>
<td>67% (2008)</td>
<td>90%</td>
</tr>
<tr>
<td>&gt;18 yrs institutionalized</td>
<td>MDS</td>
<td>62% (2006)</td>
<td>90%</td>
</tr>
<tr>
<td>HCP</td>
<td>NHIS</td>
<td>45% (2008)</td>
<td>90%</td>
</tr>
<tr>
<td>Pregnant women</td>
<td>NHIS</td>
<td>28% (2008)</td>
<td>80%</td>
</tr>
</tbody>
</table>

Note: 1-2 doses measured for 6-23 m; all other groups 1 dose
HP2020 – flu data collection

- 3 data sources used depending on population (NIS, NHIS, MDS)
- MDS = Minimum Data Set
  - All residents in NHs certified by CMS
- NHIS based on recall; NIS and MDS based on medical record review
- Child 2-4 & 5-12 yrs based on 1 dose flu
- State-level data same as nat’l except:
  - BRFSS for 18-64 and >65 yrs
  - BRFSS and PRAMS for pregnant women

Health Care Personnel - Influenza Vaccination

- Target increased from 60% to 90%
- Measurement for HP2010 based on persons reporting selected health-care-related occupations
- Measurement for HP2020 will be based on persons reporting that they work or volunteer in health care facility
  - Includes hospital, medical clinic, doctor’s office, dentist’s office, nursing home, or other health care facility
  - Not based on direct patient care
- Past data has shown differences in rates by type of facility (higher in hospitals; lower in NHs)
Pregnant Women - Influenza Vaccination

- New objective for HP2020 – Target 80%
- Pregnant women – long standing ACIP rec
- Pandemic flu highlighted vulnerability of pregnant women
- In addition to protecting individual, recent studies have found that vaccinating pregnant or postpartum women protects infants

Reaching our Flu Targets

- Some might be considered aspirational
- Strategies and initiatives discussed at this meeting will play important role in reaching targets
  - Wider dissemination of school-located vaccination (SLV)
  - Initiatives to improve HCP vaccination
  - Simplified universal flu recommendation for everyone >6 months
  - Expanding network of ‘vaccinators’ (e.g., Ob Gyns)
  - Federal efforts to address vaccine financing challenges
Future Steps

• Objectives and Targets getting final review by Federal Interagency Workgroup and HHS
• Approval in upcoming months
• Operational definitions and baseline data templates currently being compiled
• Official launch HP2020 in Fall 2010

Disclosure Information

The findings and conclusions are those of the authors and do not necessarily represent the views of the CDC
Questions?

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Achievement of past HP objectives

<table>
<thead>
<tr>
<th>Data source</th>
<th>No. objectives</th>
<th>Achieved target</th>
<th>Progressed toward target</th>
<th>Showed no progress or regressed</th>
<th>Data unavailable</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990 Health Obj</td>
<td>226</td>
<td>32%</td>
<td>34%</td>
<td>11%</td>
<td>23%</td>
</tr>
<tr>
<td>HP 2000</td>
<td>319</td>
<td>21%</td>
<td>41%</td>
<td>17%</td>
<td>10%</td>
</tr>
<tr>
<td>HP 2010 (midcourse)</td>
<td>467</td>
<td>6%</td>
<td>30%</td>
<td>16%</td>
<td>40% *</td>
</tr>
</tbody>
</table>

*This % includes 28 deleted obj, as well as 158 obj that could not be assessed due to lack data.