Healthy People 2020 Update

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Outline

- History of Healthy People
  - Past successes in reaching targets

- How HP 2020 differs from HP 2010

- HP2020 vaccination coverage and influenza-specific objectives, targets, and baselines
History of Healthy People

- **Comprehensive set of national 10-year objectives**
  - Focus on improving health and equity

- **Four previous Healthy People initiatives**
  - 1979 Surgeon General’s Report
    - Established first national prevention agenda
  - Healthy People in 1990, 2000, and 2010

- **Increasing number of objectives**
  - 226 in 1990 to more than 580 in 2020

- **Healthy People 2020 launched December 2010**

### Achievement of Past Healthy People Objectives

<table>
<thead>
<tr>
<th>Data Source</th>
<th>Number of Objectives</th>
<th>Achieved Target</th>
<th>Progressed Toward Target</th>
<th>Showed No Progress or Regressed</th>
<th>Data Not Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 1990</td>
<td>226</td>
<td>32%</td>
<td>34%</td>
<td>11%</td>
<td>23%</td>
</tr>
<tr>
<td>HP 2000</td>
<td>312</td>
<td>21%</td>
<td>41%</td>
<td>17%</td>
<td>10%</td>
</tr>
<tr>
<td>HP 2010 Preliminary*</td>
<td>467</td>
<td>18%</td>
<td>52%</td>
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</tbody>
</table>


**For 2010:**
- Not a lot of change in health disparities (80% no change)
- Overall, objectives moved toward target but disparities essentially unchanged
Continuity of Objectives from HP 2010 to 2020

- ~38% of objectives from 2010 moved to 2020 essentially unchanged
- ~27% of objectives were modified and moved from 2010 to 2020
- ~35% got dropped and more appropriate objectives were developed

Healthy People 2010: Reaching Vaccination Coverage Targets *

- Thirteen targets met or exceeded
- Sixteen targets not met
  - All eight adult, six children, and two adolescent targets
- Ten require data for assessment

* Preliminary
Healthy People 2010: Did we reach any of our influenza targets?

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

The short answer is NO!
- At least 20% gap for all measures except HCWs
- HCWs reached 53% according to gold standard NHIS (2009) and exceeded target according to less well validated source *

* Internet Panel Survey 2009-10 showed 61.9% seasonal coverage among HCP

Changes for Healthy People 2020

- Web accessible database versus print
- Wider range of key users vs public health community
- Includes implementation strategies and tools to reach target (e.g., Community Guide reviews)
- Better define how target was set and who formulated
- Single source for health indicator data
  - Health Indicators Warehouse (HIW); web-accessible
- Targets should be achievable without assuming any new medical or scientific breakthroughs
  - Default for target setting is 10% above baseline
Healthy People 2020
Immunization and Infectious Disease Objectives

- 21 of 32 objectives directly or indirectly related to immunization or vaccines
  - Disease occurrence -- reduce, eliminate, sustain elimination (n=6)
  - Vaccination coverage -- individual, series (n=9)
  - Systems-related -- IIS, provider assessment, school tracking (n=4)
  - Vaccine safety (developmental) (n=1)
  - Other - antibiotic use for ear infections (n=1)

Influenza Vaccination Coverage (*new*)

<table>
<thead>
<tr>
<th>Objective Short Title</th>
<th>2008 (Baseline)</th>
<th>2009</th>
<th>HP 2020 Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Children 6-23 months</td>
<td>23%</td>
<td>25%</td>
<td>80%</td>
</tr>
<tr>
<td><strong>Children 2-4</strong></td>
<td><strong>40%</strong></td>
<td><strong>43%</strong></td>
<td><strong>80%</strong></td>
</tr>
<tr>
<td><strong>Children 5-12</strong></td>
<td><strong>26%</strong></td>
<td><strong>30%</strong></td>
<td><strong>80%</strong></td>
</tr>
<tr>
<td><strong>Children 13-17</strong></td>
<td><strong>10%</strong></td>
<td><strong>13%</strong></td>
<td><strong>80%</strong></td>
</tr>
<tr>
<td>Noninstitutionalized adults 18-64</td>
<td>25%</td>
<td>27%</td>
<td>80%</td>
</tr>
<tr>
<td>Noninstitutionalized HR adults 18-64</td>
<td>39%</td>
<td>42%</td>
<td>90%</td>
</tr>
<tr>
<td>Noninstitutionalized adults 65+</td>
<td>67%</td>
<td>66%</td>
<td>90%</td>
</tr>
<tr>
<td>Institutionalized adults 18+</td>
<td>62%</td>
<td>70%</td>
<td>90%</td>
</tr>
<tr>
<td><strong>Pregnant women</strong></td>
<td><strong>28%</strong></td>
<td><strong>11%</strong></td>
<td><strong>80%</strong></td>
</tr>
<tr>
<td>Healthcare Personnel</td>
<td>45%</td>
<td>53%</td>
<td>90%</td>
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</tbody>
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Note: 1-2 doses measured for 6-23 m; all other groups 1 dose
Estimated Influenza Vaccination Coverage Among Select Populations

- 2009 estimate (66%) lower than 2008 baseline (67%).
- 2009 estimate (11%) lower than 2008 baseline (28%); 2009 sample size small (n=118) with 95% confidence interval 6-19%.

Source: CDC, NIS, NHIS.

Data Sources for HP2020: Influenza objectives

- 3 data sources depending on population
  - Minimum Data Set (MDS)
  - National Immunization Survey (NIS and NIS-Teen)
  - National Health Interview Survey (NHIS)
- MDS for institutionalized adults
  - Based on medical record review; includes all residents in NHs certified by CMS
- NIS and NIS-Teen for 6-23 m and 13-17 yrs
  - Based on medical record review; telephone survey
- NHIS for all other measures
  - Based on recall; face to face interview
Data Sources HP2020: Influenza objectives – State level data

- State-level data sources same as national except:
  - BRFSS for 18-64 and ≥65 yr olds
  - BRFSS and PRAMS for pregnant women

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Seasonal Influenza Vaccination Coverage, Pregnant Women, NHIS, 1997-2009

* Original estimate was 24% revised to 28% after NCHS re-released 2008 NHIS data.
Seasonal and H1N1 Influenza Vaccination Coverage, Pregnant Women, 2009-2010

<table>
<thead>
<tr>
<th></th>
<th>BRFSS</th>
<th>NHFS</th>
<th>Harvard Poll</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIV</td>
<td>47.6%</td>
<td>42.9%</td>
<td>42.0%</td>
</tr>
<tr>
<td>H1N1</td>
<td>44.5%</td>
<td>42.7%</td>
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Seasonal Influenza Vaccination Coverage for Pregnant Women, Data Sources

- **NHIS is current data source but not optimal:**
  - Small sample size
  - Women currently pregnant February-August when responding to survey may not have been pregnant during flu season
  - Add question on pregnancy during flu season (e.g., September-January)?

- **Other options:**
  - PRAMS
    - Larger sample size, definitive ascertainment of pregnancy timing, but not timely and not all states participate
Seasonal Influenza Vaccination Coverage for Pregnant Women, Data Sources (continued)

- **Other options (continued):**
  - Rapid Flu Surveys (e.g., Internet panel surveys)
    - In-season and rapid post-season estimates, but validity and sustainability unclear
  - BRFSS
    - Larger sample size, but only asks if currently pregnant
    - Difficult to add new question on pregnancy during flu season to core survey

Balancing Timely Reporting of Data with use of Gold Standard Data Source

- **Issue of increasing importance with use of Rapid Flu Surveys and Internet Panel Surveys**
  - Provide in-season estimates of flu coverage
  - Levels often disparate from final gold standard estimates

- **Data sources currently planned to stay as noted**

- **On-going discussions regarding balancing timely reporting with ‘gold standard’ estimates**
One Additional HP2020 Measure that Includes Influenza Vaccination

- Under new topic area: “Life Stages”
  - Sub-category of Older Adults
- Older adults up to date on core set of clinical preventive services
  - Males: ≥65 yrs; reporting flu shot in past year, PPV ever, and either colonoscopy/sigmoidoscopy in 10 yrs or FOBT in past year
  - Females: ≥65 yrs; reporting flu shot in past year, PPV ever, and either colonoscopy/sigmoidoscopy in 10 yrs or FOBT in past year plus mammogram in past 2 years
  - Data source = BRFSS; baseline (2008) 46.3% males, 47.9% females

Achieving HP 2020 Influenza Targets

- Some may be considered aspirational
- Strategies and initiatives discussed at this meeting will play important role in reaching targets
  - Communication efforts: Immunization across the lifespan
  - Reduced financial barriers – expanded insurance, no co-pays for ACIP recommended vaccines
  - Enhanced partnerships – Ob Gyn providers building off H1N1 experience; non-traditional venues [e.g., pharmacies, schools, workplaces]
  - Incentivized reporting of HCP flu vaccination from institutions
State-Specific Healthy People 2020 Plans

- State plans from 2010: www.healthypeople.gov/2020/implementing/stateSpecificPlans
- In process of updating for Healthy People 2020
- Resource for states to use to compare approach and strategies being used

For more information please contact Centers for Disease Control and Prevention
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