

Healthy People 2020 Update

Abigail Shefer, MD, FACP

National Center for Immunization and Respiratory Diseases

National Influenza Summit
San Diego, CA
May 11, 2011

National Center for Immunization & Respiratory Diseases
Healthy People 2020



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

Data Source	Number of Objectives	Achieved Target	Progressed Toward Target	Showed No Progress or Regressed	Data Not Available
HP 1990	226	32%	34%	11%	23%
HP 2000	312	21%	41%	17%	10%
HP 2010 Preliminary*	467	18%	52%	--	--

For 2010:

-  Not a lot of change in health disparities (80% no change)
-  Overall, objectives moved toward target but disparities essentially unchanged

* Data as of 5/3/2011. All Hands HP2020 presentation at CDC; using 2009 data. Final results Fall 2010.

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

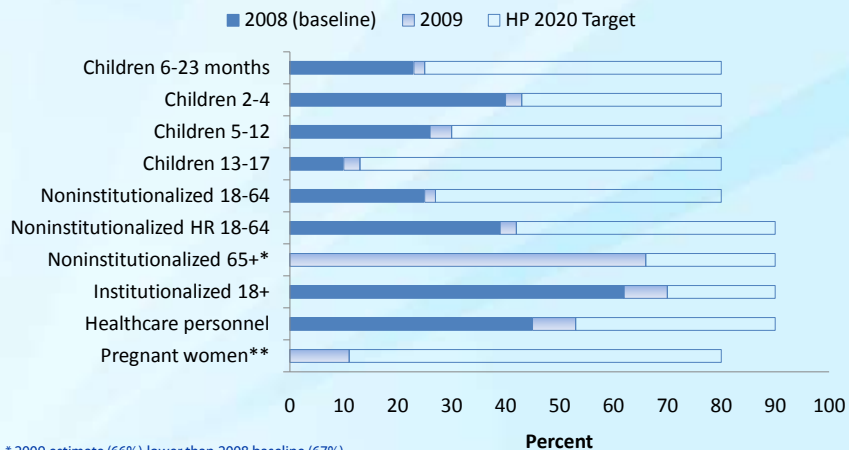
- ❑ **21 of 32 objectives directly or indirectly related to immunization or vaccines**
 - Disease occurrence -- reduce, eliminate, sustain elimination (n=6)
 - Vaccination coverage -- individual, series (n=9)
 - Systems-related -- IIS, provider assessment, school tracking (n=4)
 - Vaccine safety (developmental)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

Influenza Vaccination Coverage (*new*)

Objective Short Title	2008 (Baseline)	2009	HP 2020 Target
Children 6-23 months	23%	25%	80%
<i>Children 2-4</i>	<i>40%</i>	<i>43%</i>	<i>80%</i>
<i>Children 5-12</i>	<i>26%</i>	<i>30%</i>	<i>80%</i>
<i>Children 13-17</i>	<i>10%</i>	<i>13%</i>	<i>80%</i>
<i>Noninstitutionalized adults 18-64</i>	<i>25%</i>	<i>27%</i>	<i>80%</i>
Noninstitutionalized HR adults 18-64	39%	42%	90%
Noninstitutionalized adults 65+	67%	66%	90%
Institutionalized adults 18+	62%	70%	90%
<i>Pregnant women</i>	<i>28%</i>	<i>11%</i>	<i>80%</i>
Healthcare Personnel	45%	53%	90%

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

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



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**

Acknowledgements: John Patterson, Rebecca Gold, Jim Singleton

For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333
Telephone, 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348
E-mail: cdcinfo@cdc.gov Web: www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

