MA Adult Immunization Program Success
May 11, 2016
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Medical Director, Immunization Program
MA Department of Public Health

Adult Immunization Team in MA

• Senior Management Team
• Entire Immunization Staff
• Great Partners and Champions
• Visionary Former Adult Immunization Coordinator
  – Donna Lazorik
Reasons for High Rates in Massachusetts

• Health Care Reform since 2006
• Life-span registry with clinical decision support
• Vaccine reimbursement program for public providers
• Adult Immunization Coalition since 1995
• Collaborations to reduce disparities
• Promotion of evidence-based strategies and ‘Adult Standards’

MA Receives 2015 Vaccination Coverage Awards

Outstanding Progress Towards Healthy People 2020 Goals

⭐ Adolescents Aged 13 – 17 Years
- Based on 2014 NIS-Teen data
  1 Tdap 93%, 1 MenACWY 92%, 1 HPV (females) 69%

⭐ Children Aged 19 – 35 months
- 4 DTaP, 3 Polio, 1 MMR, Hib full series, 3 HepB, 1 Var, 4 PCV, 1 HepA, and Rotavirus full series, based on 2014 NIS data.

Highest Coverage

⭐ Influenza Vaccination among Children Aged 6 Months – 17 Years
- 1 or more doses for the 2014-15 influenza season
  76.1%

⭐ Highest Pneumococcal Vaccination Coverage among High-Risk Adults 18 – 64 Years
- 36.4%
**Adult Vaccination Rates, MA and US, 2013-14**

<table>
<thead>
<tr>
<th>Vaccine/Group</th>
<th>MA 2013&lt;sup&gt;1&lt;/sup&gt;</th>
<th>MA 2014&lt;sup&gt;1&lt;/sup&gt;</th>
<th>US 2014&lt;sup&gt;2&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tdap ≥18 y/o</td>
<td>37%</td>
<td>41%</td>
<td>20%</td>
</tr>
<tr>
<td>Zoster ≥60 y/o</td>
<td>30%</td>
<td>39%</td>
<td>28%</td>
</tr>
<tr>
<td>HPV females 18-26 y/o (1+ doses)</td>
<td>61%</td>
<td>64%</td>
<td>40%</td>
</tr>
<tr>
<td>HPV females 18-26 y/o (3+ doses)</td>
<td>76%&lt;sup&gt;*&lt;/sup&gt;</td>
<td>79%&lt;sup&gt;*&lt;/sup&gt;</td>
<td>N/A</td>
</tr>
<tr>
<td>HPV males 18-26 y/o (1+ doses)</td>
<td>23%</td>
<td>38%</td>
<td>8%</td>
</tr>
<tr>
<td>HPV males 18-26 y/o (3+ doses)</td>
<td>30%&lt;sup&gt;*&lt;/sup&gt;</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Influenza vaccine ≥65 y/o&lt;sup&gt;3&lt;/sup&gt;</td>
<td>64%&lt;sup&gt;3&lt;/sup&gt;</td>
<td>67%&lt;sup&gt;3&lt;/sup&gt;</td>
<td>67%&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>Pneumococcal vaccine ≥65 y/o</td>
<td>70%</td>
<td>72%</td>
<td>61%</td>
</tr>
</tbody>
</table>

<sup>*</sup>Percent of those who received at least 1 dose.  
Source: <sup>1</sup>MA BRFSS includes those ≥18 years,  
<sup>2</sup>NHIS includes those ≥19 years,  
<sup>3</sup>Influenza data from the NIS-Flu and BRFSS

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**Innovative Opportunity for OB-GYNs to Improve Their Immunization Programs**

- American College of Obstetricians and Gynecologists (ACOG) 3 year grant to increase immunization rates for all women in CA and MA
- MA Chapter of ACOG is looking for practices to participate:
  - Learn about innovative ways to improve immunization rates
  - Be recognized as leader on the state and national level
- Eligibility requirements for participation includes the following:
  - ACOG membership
  - EHR system that can be used to track data requirements such as immunization rates
  - Serve both adult obstetrical and adult gynecology patients
  - Willingness to participate in state health department’s immunization registry
- For more information, visit [www.immunizationforwomen.org/projects](http://www.immunizationforwomen.org/projects)
**MA Public Clinic Billing Project**

- For 10% fee, CHCF at Commonwealth Medicine electronically bills the participating plans and distributes payments to public providers
  - 10 private health plans, MassHealth and Medicare participate
- Cities and towns can bill contracted plans for the:
  - Administration of state-supplied flu vaccine to individuals ages 6 months and older
  - Cost of purchasing and administering all recommended vaccines to adults
  - 178 public sector providers across the state participate, representing 214 out of 351 towns in MA
- > $2.1 million reimbursed to communities last flu season

**Public Clinics**

Submit Insurance Form

CHCF

Distributes payments

Send payment explanation

Health Plans

http://commed.umassmed.edu/flureimbursement

**Lifespan immunization registry**

- Total sites: 1,649
- Total patients: 4.8 million
- Total shots: 33.9 million

**Clinical decision support**

- Dr. Bill Adams

**Vaccinations Across the Lifespan**

Number of Sites by Practice Type, MIIS
MA Partners in Adult Immunization

THANK YOU FOR ALL THAT YOU DO!

MDPH Immunization Program

Contact Information

Immunization Program Main Number
For questions about immunization recommendations, disease reporting, etc.
• Phone: 617-983-6800
• Fax: 617-983-6840
• Website: www.mass.gov/dph/imm

MIIS Help Desk
• Phone: 617-983-4335
• Fax: 617-983-4301
• Email: miishelpdesk@state.ma.us
• Websites: www.contactmiis.info | www.mass.gov/dph/miis

MDPH Vaccine Unit
• Phone: 617-983-6828
• Fax: 617-983-6924
• Email: dph-vaccine-management@state.ma.us
• Website: www.mass.gov/dph/imm (click on Vaccine Management)
Seasonal Influenza Vaccination Rates, MA and US, ≥6 months of age, by Race/Ethnicity, 2014-2015 Season

<table>
<thead>
<tr>
<th></th>
<th>MA (n=11,895)</th>
<th>US (n=451,358)</th>
<th>MA Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>% (CI)</td>
<td>% (CI)</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>55% (±3)</td>
<td>49% (±0.5)</td>
<td>4</td>
</tr>
<tr>
<td>Black</td>
<td>56% (±10)</td>
<td>44% (±1.3)</td>
<td>9</td>
</tr>
<tr>
<td>Hispanic</td>
<td>58% (±7.5)</td>
<td>44% (±1.3)</td>
<td>7</td>
</tr>
<tr>
<td>Other</td>
<td>50% (±8.4)</td>
<td>48% (±1.7)</td>
<td>20</td>
</tr>
</tbody>
</table>

Source: 2014-15 NIS-Flu and BRFSS, as analyzed by CDC

Influenza Vaccination by Race/Ethnicity, MA Pregnant Women, 2012 vs. 2013

Source: MA PRAMS

*Statistically significant*
### Pneumococcal Vaccination Rates, MA and US Adults 65+ years of age, by Race/Ethnicity, 2014

<table>
<thead>
<tr>
<th></th>
<th>MA (n=4,977)</th>
<th>US (n=7,748)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>% (CI)</td>
<td>% (CI)</td>
</tr>
<tr>
<td>White</td>
<td>73% (±2)</td>
<td>65% (±1.6)</td>
</tr>
<tr>
<td>Black</td>
<td>67% (±11)</td>
<td>50% (±4.4)</td>
</tr>
<tr>
<td>Hispanic</td>
<td>59% (±14.6)</td>
<td>45% (±4.4)</td>
</tr>
</tbody>
</table>

Source: ¹MA BRFSS, ²NHIS