Influenza Update

April 20, 2017
Overview

- Update on influenza-like-illness (ILI)
- Update on IHS influenza vaccine coverage
- Healthcare Personnel mid-season influenza vaccine coverage
U.S. Influenza Activity
Week 14 – 04/08/2017

• Nationally ILI activity is decreasing, but remains above the baseline of 2.2%
• Flu activity has been elevated for the 17th consecutive week.
• Flu season has peaked and is on the decline
  – Several weeks of ongoing flu activity is expected
• Influenza B viruses have been the most frequently identified virus type.
  – H3N2 viruses were predominant earlier in the season
• To date, there have been 72 influenza-associated pediatric deaths in the United States
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2016-2017 and Selected Previous Seasons
Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists*

Week ending April 8, 2017 - Week 14

* This map indicates geographic spread & does not measure the severity of influenza activity.
Pneumonia and Influenza Mortality from the National Center for Health Statistics Mortality Surveillance System

Data through the week ending March 25, 2017, as of April 13, 2017
U.S. Influenza Vaccine Supply

- Influenza vaccine supply:
  - Projected: 157 million - 168 million doses

- Distributed doses as of March 3, 2017
  - 145.9 million doses
IHS Influenza Awareness System as of 04/15/2017 (Week 15)

- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.1%, below the IHS baseline of 1.77%

- Only two IHS regions are reporting elevated ILI activity

- IHS has administered over 354,000 doses of influenza vaccine.

- Weekly IIAS reports available on the IHS Flu Website
  - [www.ihs.gov/flu](http://www.ihs.gov/flu)
IHS ILI Activity as of 04/15/17

% of outpatient visits for influenza-like-illness (ILI)

Source: IIA S ILINet
IHS INFLUENZA VACCINE COVERAGE

Week 15
# Influenza Vaccination Coverage by Age Group*

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Active Clinical Population**</th>
<th>Seasonal Flu Vaccine (At Least 1 Dose)***</th>
<th>% Seasonal Flu (At Least 1 Dose)</th>
<th>Total #Doses Administered****</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 5 months</td>
<td>4,499</td>
<td>119</td>
<td>2.6</td>
<td>120</td>
</tr>
<tr>
<td>6 - 23 months</td>
<td>22,990</td>
<td>15,076</td>
<td>65.6</td>
<td>20,090</td>
</tr>
<tr>
<td>2 - 4 years</td>
<td>55,806</td>
<td>18,667</td>
<td>33.4</td>
<td>19,530</td>
</tr>
<tr>
<td>5 - 17 years</td>
<td>211,265</td>
<td>71,497</td>
<td>33.8</td>
<td>72,287</td>
</tr>
<tr>
<td>18 - 49 years</td>
<td>435,179</td>
<td>115,660</td>
<td>26.6</td>
<td>116,742</td>
</tr>
<tr>
<td>50 - 64 years</td>
<td>182,257</td>
<td>73,948</td>
<td>40.6</td>
<td>74,739</td>
</tr>
<tr>
<td>65 + years</td>
<td>104,453</td>
<td>49,910</td>
<td>47.8</td>
<td>50,646</td>
</tr>
<tr>
<td>Children (6 months-17 years)</td>
<td>290,061</td>
<td>105,240</td>
<td>36.3</td>
<td>111,907</td>
</tr>
<tr>
<td>Adults (18 + years)</td>
<td>721,889</td>
<td>239,518</td>
<td>33.2</td>
<td>242,127</td>
</tr>
<tr>
<td>All (6 months +)</td>
<td>1,011,950</td>
<td>344,758</td>
<td>34.1</td>
<td>354,034</td>
</tr>
</tbody>
</table>
Influenza Vaccine Coverage as of 04/15/2017

- Adults (18 + years)
- All (6 months +)
- Children (6 months-17 years)
Influenza Vaccine Coverage
All - 6 months and over
2015-16 vs. 2016-2017
### Influenza Vaccine Doses Administered by Influenza Vaccine Type*

| Area | INACTIVE CVX CODES* CVX 88 FLU-NOS** CVX 111 FLU-LAIV3 CVX 135 FLU-HIGH CVX 140 FLU-IIV3 CVX 141 FLU-IVIV3 CVX 144 FLU-DERMAL CVX 149 FLU-LAIV4 CVX 150 FLU-IIV4pf CVX 153 FLU-ccIIV3 CVX 155 FLU-RIV3 CVX 158 IIV4 CVX 161 IIV4pf-ped CVX 166 Proc 99.52 Vac Inf ICD-9 V04.81 Vac Inf CPT Billing Codes+ Cumulative # of Doses Seasonal Flu |
|------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| AKA  | 4 355 0 487 43 630 1 0 6736 1 2 4131 683 22 0 0 | 89 | 13184 |
| ALB  | 2 224 0 1352 631 12344 1 0 5856 0 7 2241 1047 1 0 0 | 105 | 23811 |
| BEM  | 302 126 1 457 29 3103 0 2 4456 18 4 3773 466 47 0 2 | 265 | 13051 |
| BIL  | 5 285 0 1061 15 2401 0 0 12443 0 2 1858 1270 171 0 0 | 136 | 19647 |
| CAO  | 19 232 0 1446 35 3332 1 8 9087 0 2 6098 2031 60 0 3 | 141 | 22495 |
| GPA  | 3 565 0 1113 167 13922 0 0 14101 12 26 6220 1640 9 0 0 | 98 | 37876 |
| NSA  | 255 363 0 360 165 5992 252 0 4429 4 20 357 301 348 0 0 | 150 | 12996 |
| NAV  | 35 448 1 1913 32 10948 9 0 14776 2 2 49504 3584 1082 0 0 | 240 | 82576 |
| OKC  | 293 2754 1 2532 17 31041 7 1 10708 1 19 3283 1934 556 0 0 | 243 | 53390 |
| PHX  | 4 624 0 1625 111 12480 29 0 24123 0 22 863 3442 2 0 0 | 272 | 43597 |
| POR  | 10 487 1 817 1340 8769 16 1 6107 29 26 3827 504 1377 0 0 | 911 | 24222 |
| TUC  | 0 62 0 37 32 11 0 0 7618 1 0 53 707 0 0 0 | 43 | 8564 |
| HQ   | 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2 | |
| **932** | **6527** | **4** | **13200** | **2617** | **104973** | **316** | **12** | **120440** | **68** | **132** | **82208** | **17609** | **3675** | **0** | **5** | **2693** | **355411** |

* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.
** CVX Code 88 (FLU-NOS) should only be used to document flu vaccines given elsewhere when flu vaccine type is unknown.
+ CPT Flu codes include: 90654-90662, 90672-90673, 90685-90686, 90724, G0008, G8108.
^ ICD9 codes V04.8 and V06.6 are not displayed on this report and are not used in any of the influenza vaccine coverage calculations.
IHS Healthcare Personnel Influenza Vaccine Coverage
All Facilities
As of Dec. 31, 2016
IHS Healthcare Personnel Influenza Vaccine Coverage
IHS vs. Tribal
As of Dec. 31, 2016

- IHS
  - 2015-2016: 84.3%
  - 2016-2017: 90.2%

- Tribal
  - 2015-2016: 68.6%
  - 2016-2017: 68.8%
Summary

• Influenza season has peaked, but several weeks of ongoing flu activity is expected
• Increase in Influenza B strains
  – Second waves of influenza B later in the season have occurred in many previous seasons
• **IHS facilities have achieved the HP 2020 Goal for influenza vaccine coverage among Health Care Personnel!**
• Coverage among patients, however, remains suboptimal
  – Only 34.1% of patients 6 months and older received a flu vaccine this season