The purpose of the weekly Influenza Watch is to summarize current influenza surveillance in San Diego County. Please note that reported weekly data are preliminary and may change due to delayed submissions and additional laboratory results.

Current Week 51 (ending 12/20/2014)
- 127 new influenza detections reported: Expected level
- 3% influenza-like-illness (ILI) among emergency department visits: Expected level
- 0 influenza-related deaths reported this week
- 5% of deaths registered with Pneumonia & Influenza: Expected level

Table 1. Influenza Surveillance Indicators

<table>
<thead>
<tr>
<th>Indicator</th>
<th>FY 2014-15</th>
<th>FY 2013-14</th>
<th>Prior 3-Year Average**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Week 51</td>
<td>Week 50</td>
<td>FYTD#</td>
</tr>
<tr>
<td>All influenza detections reported (rapid or PCR)</td>
<td>127</td>
<td>85</td>
<td>396</td>
</tr>
<tr>
<td>Percent of emergency department visits for ILI*</td>
<td>3%</td>
<td>4%</td>
<td>3%</td>
</tr>
<tr>
<td>Percent of deaths registered with pneumonia and/or influenza</td>
<td>5%</td>
<td>7%</td>
<td>7%</td>
</tr>
<tr>
<td>Number of influenza-related deaths reported^</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

* FYTD= Fiscal year to date; FY is July 1-June 30 (Week 27-26). Total deaths reported in prior years: 70 in 2013-14, 65 in 2012-13, 14 in 2011-12.
* Previous weeks percentages may change due to delayed reporting.
** Includes FYs 2013-14, 2012-13, and 2011-12.
^ Current FY deaths are shown by week of report; by week of death for prior FYs.
Influenza Antiviral Availability for the 2014-2015 Season

On December 22, 2014, the US Food and Drug Administration announced the approval of the antiviral drug peramivir (Rapivab®), making an intravenous medication available for adult influenza patients who have trouble taking an oral or inhaled antiviral. Peramivir is a neuraminidase inhibitor, like the licensed drugs oseltamivir (Tamiflu®), taken orally, and zanamivir (Relenza®), which is inhaled.

The manufacturer of Tamiflu® reported last week that the antiviral drug should be available in good supply this season, though local shortages may occur. If needed, pharmacies should work with authorized distributors to obtain additional supply of Tamiflu® capsules and Tamiflu® Oral Suspension. If Tamiflu® Oral Suspension is unavailable at a local pharmacy, pharmacists may mix Tamiflu® 75 mg capsules into an oral suspension (liquid) for those people who need it. The current healthcare provider instructions for dosing and compounding are found in the Tamiflu® package, and also may be accessed at http://www.tamiflu.com/hcp/resources/hcp_resources_pharmacists.jsp.

San Diego providers who become aware of any local shortages of influenza antiviral medications are encouraged to contact the Immunizations Program at (619) 692-8661. A summary of current antiviral medication use in influenza is available here: http://www.cdc.gov/flu/professionals/antivirals/summary-clinicians.htm.

Table 2. Influenza Detections Reported, FY 2014-15*

<table>
<thead>
<tr>
<th>Positive Test Type/Subtype</th>
<th>Week 51</th>
<th>Total To-Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A†</td>
<td>107</td>
<td>271</td>
</tr>
<tr>
<td>Influenza A(H1N1) Pandemic 2009</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Influenza A (H3) Seasonal</td>
<td>8</td>
<td>48</td>
</tr>
<tr>
<td>Influenza B†</td>
<td>12</td>
<td>65</td>
</tr>
<tr>
<td>Influenza B/Yamagata</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Influenza A/B†</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>127</strong></td>
<td><strong>396</strong></td>
</tr>
</tbody>
</table>

* FY is July 1 - June 30, or Week 27 - 26.
† No further characterization performed or results not available at time of publication.

Note: Totals may change due to further laboratory findings.
Figure 1. Percent of Emergency Department Visits for Influenza-like-Illness by Week and FY

Figure 2. San Diego County Influenza Detections by Type and Week of Report, 2014-15 FYTD (N=396)
Influenza Watch

Figure 3. Percent of Reported Influenza Cases by Age Group and Season, 2009-10 to 2014-15 FYTD

Figure 4. Cumulative Influenza Case Reports by Week & Season
Figure 5. Percent of San Diego County Emergency Department Visits for Influenza-like-Illness by Week and FY Compared to 5-Year Baseline & Upper 95% Threshold Values (Serfling Method)

Figure 6. Percent of All San Diego County Deaths Registered with Pneumonia and/or Influenza by Week and FY Compared to Prior 5-Year Baseline & Upper 95% Threshold (Serfling Method)
Figure 7. Influenza Deaths by Type and Season

- Influenza A/B, Type Unknown
- Influenza B
- Pandemic H1N1
- Influenza A/H3
- Influenza A, No Subtype

Figure 8. Influenza Deaths by Age and Season

- <1 yr
- 1-17
- 18-34
- 35-64
- 65+
Influenza Reporting  Local providers are encouraged to report any laboratory positive influenza detections to the County’s Epidemiology Program by FAX to (858) 715-6458. Please fax a Case Report Form and/or a printed laboratory result. If known, please indicate if patient was admitted to ICU or died. For questions regarding sending specimens to Public Health Laboratory (PHL), call (619) 692-8500. Click here for the updated PHL PCR Test Request Form. Contact Epidemiology with any questions at (619) 692-8499 or EpiDiv.HHSA@sdcounty.ca.gov.

Immunization Resources  County of San Diego Immunization Branch www.sdiz.org