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 41 (ending 10/14/2017)**
- 37 new influenza detections reported: *Expected level*
- 1% influenza-like-illness (ILI) among emergency department visits: *Expected level*
- No new influenza-related deaths reported this week
- 4% of deaths registered with pneumonia and/or influenza: *Expected level*

### Current Season Summary
- **258** Total Cases
- **2** ICU Cases
- **1** Death
- **2** Outbreaks

### Virus Characteristics
- **57.4%** Influenza A
- **4.7%** Influenza A (H1N1)pdm09
- **12.0%** Influenza A (H3) Seasonal
- **22.1%** Influenza B
- **3.1%** Influenza B/Yamagata
- **2.4%** Influenza B/Victoria
- **4.7%** Influenza A/B

### Table 1. Influenza Surveillance Indicators

<table>
<thead>
<tr>
<th>Indicator</th>
<th>FY 2017-18*</th>
<th>FY 2016-17</th>
<th>Prior 3-Year Average**</th>
</tr>
</thead>
<tbody>
<tr>
<td>All influenza detections reported (rapid or PCR)</td>
<td>37</td>
<td>16</td>
<td>258</td>
</tr>
<tr>
<td>Percent of emergency department visits for ILI</td>
<td>1%</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Percent of deaths registered with pneumonia and/or influenza</td>
<td>4%</td>
<td>4%</td>
<td>6%</td>
</tr>
<tr>
<td>Number of influenza-related deaths reported^</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

* FYTD—Fiscal Year To Date (FY is July 1 - June 30, Weeks 27-26). Total deaths reported in prior years: 87 in 2016-17, 68 in 2015-16, and 97 in 2014-15.

* Previous weeks case counts or percentages may change due to delayed processing or reporting.


^ Current FY deaths are shown by week of report; by week of death for prior FYs.
2016-2017 Influenza Season Summary

The 2016-17 influenza season was moderately severe in San Diego County with over 6,800 laboratory confirmed influenza cases being reported and peaking mid-to-late February. In terms of severity, 108 influenza patients required intensive care (ICU) and 87 expired with influenza-associated illness, two of which were pediatric deaths.

Overall, influenza A made up 84% of the reported cases, and 95% of the 512 influenza A specimens that were subtyped were influenza A(H3); 5% were influenza A(H1N1)-pandemic09. Of the 6 Influenza B specimens that were subtyped, 83% were Influenza B/Yamagata, and 17% were influenza B/Victoria. For the full 2016-17 San Diego County Influenza Season Summary, click here (or go to http://www.sdepi.org).

Table 2. Influenza Detections Reported, FY 2017-18*

<table>
<thead>
<tr>
<th>Positive Test Type/Subtype</th>
<th>Week 41</th>
<th>Total FY-To-Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A†</td>
<td>31</td>
<td>148</td>
</tr>
<tr>
<td>Influenza A(H1N1) Pandemic 2009</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>Influenza A (H3) Seasonal</td>
<td>2</td>
<td>31</td>
</tr>
<tr>
<td>Influenza B†</td>
<td>4</td>
<td>57</td>
</tr>
<tr>
<td>Influenza B/Victoria</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Influenza B/Yamagata</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>Influenza A/B†</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>37</td>
<td>258</td>
</tr>
</tbody>
</table>

* FY is July 1 - June 30.
† No further characterization performed, or results were not yet 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, 2017-18 FYTD (N=258)
Figure 3. Percent of Reported Influenza Cases by Age Group and Season, 2011-12 to 2017-18 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 San Diego County Deaths Registered with Pneumonia and/or Influenza by Week and FY Compared to Prior 5-Year Baseline & Upper 95% Threshold Values (Serfling Method)
Figure 7. Influenza Deaths by Type, and Season

Figure 8. Influenza Deaths by Age and Season
Influenza Reporting in San Diego County

Local providers are encouraged to report laboratory positive influenza detections to the County Epidemiology Program by FAX (858) 715-6458. Please fax a Case Report Form and/or a printed laboratory result, and indicate if the patient was admitted to ICU or died, and/or is a resident of a congregate living facility.

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 the Epidemiology Program with any questions at (619) 692-8499 or by email to: EpiDiv.HHSA@sdcounty.ca.gov.

Resources
San Diego County Influenza Surveillance Weekly Slide Deck - presentation version of this report
County of San Diego Immunization Program www.sdiz.org
California Department of Public Health Influenza
Centers for Disease Control and Prevention Influenza Surveillance Weekly Report

Figure 9. Number of Influenza Cases Requiring ICU Care by Episode Week and Type of Influenza, 2017-18 FYTD (N=2)

Episode week is the week of symptom onset, or earliest available date in which the case is identified.