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 11 (ending 3/18/2017)**
- 200 new influenza detections reported: Elevated
- 3% influenza-like-illness (ILI) among emergency department visits: Expected level
- 4 influenza-related deaths reported this week
- 8% of deaths registered with pneumonia and/or influenza: Expected level

**Current Season Summary**
- 4,944 Total Cases
- 97 ICU Cases
- 72 Deaths
- 32 Outbreaks

**Virus Characteristics**
- Influenza A: 81.7%
- Influenza A (H1N1)pdm09: 7.4%
- Influenza A (H3) Seasonal: 9.1%
- Influenza B: 1.3%
- Influenza B/Victoria: <1%

**Table 1. Influenza Surveillance Indicators**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>FY 2016-17*</th>
<th>FY 2015-16</th>
<th>Prior 3-Year Average**</th>
</tr>
</thead>
<tbody>
<tr>
<td>All influenza detections reported (rapid or PCR)</td>
<td>200 Week 11, 277 Week 10, 4,944 FYTD*</td>
<td>356 Week 11, 5,437 FYTD*</td>
<td>174 Week 11, 5,441 FYTD**</td>
</tr>
<tr>
<td>Percent of emergency department visits for ILI</td>
<td>3% Week 11, 4% Week 10</td>
<td>5% Week 11, 5% Week 10</td>
<td>5% Week 11, 5% Week 10</td>
</tr>
<tr>
<td>Percent of deaths registered with pneumonia and/or influenza</td>
<td>8% Week 11, 8% Week 10</td>
<td>12% Week 11, 9% Week 10</td>
<td>9% Week 11, 9% Week 10</td>
</tr>
<tr>
<td>Number of influenza-related deaths reported^</td>
<td>4 Week 11, 7 Week 10, 72 FYTD*</td>
<td>4 Week 11, 57 FYTD*</td>
<td>2 Week 11, 71 FYTD**</td>
</tr>
</tbody>
</table>

* FYTD=Fiscal Year To Date (FY is July 1- June 30, Weeks 27-26). Total deaths reported in prior years: 68 in 2015-16, 97 in 2014-15, and 70 in 2013-14.
* Previous weeks case counts or percentages may change due to delayed processing or reporting.
** Includes FYs 2013-14, 2014-15, and 2015-16.
^ Current FY deaths are shown by week of report; by week of death for prior FYs.
Ready Wrigley - A Children's Book

The Centers for Disease Control and Prevention (CDC) has created the Ready Wrigley book series to provide parents, guardians, teachers, and young children with tips, activities, and a story to help prepare families for emergencies.

In the most recent book available for downloading at the CDC website, Wrigley helps her family stay healthy during flu season. The activity book is designed to provide an interactive tool to further childhood education and prevent the spread of the flu in the community. Use of this workbook in San Diego area schools, provider offices, community centers, and families is encouraged to help children learn the importance of being prepared and staying healthy.

Other available workbooks include preparing for mosquito bites, lead in water, extreme heat, earthquakes, tornadoes, hurricanes and winter weather. Most workbooks are available in English and Spanish. Learn more at: https://www.cdc.gov/phpr/readywrigley/books.htm

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### Table 2. Influenza Detections Reported, FY 2016-17*

<table>
<thead>
<tr>
<th>Positive Test Type/Subtype</th>
<th>Week 11</th>
<th>Total To-Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A†</td>
<td>140</td>
<td>4,038</td>
</tr>
<tr>
<td>Influenza A(H1N1) Pandemic 2009</td>
<td>2</td>
<td>21</td>
</tr>
<tr>
<td>Influenza A (H3) Seasonal</td>
<td>10</td>
<td>452</td>
</tr>
<tr>
<td>Influenza B†</td>
<td>44</td>
<td>365</td>
</tr>
<tr>
<td>Influenza B/Victoria</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Influenza B/Yamagata</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Influenza A/B†</td>
<td>4</td>
<td>65</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>200</strong></td>
<td><strong>4,944</strong></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, 2016-17 (N=4,944)
Figure 3. Percent of Reported Influenza Cases by Age Group and Season, 2011-12 to 2016-17 YTD

Figure 4. Cumulative Influenza Case Reports by Week & Season

March 22, 2017
Volume 16, Issue 24
Week 11
Ending 3/18/2017
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

- 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 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