



# INFLUENZA WATCH

Week 9  
Ending 3/3/2018

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.**

**Report Contents**

Page 1: Overview & Indicators  
Page 2: Virus Characteristics  
Pages 3-7: Trend graphs  
Page 7: Reporting Information

**Current  
Week****Current Week 9 (ending 3/3/2018)**

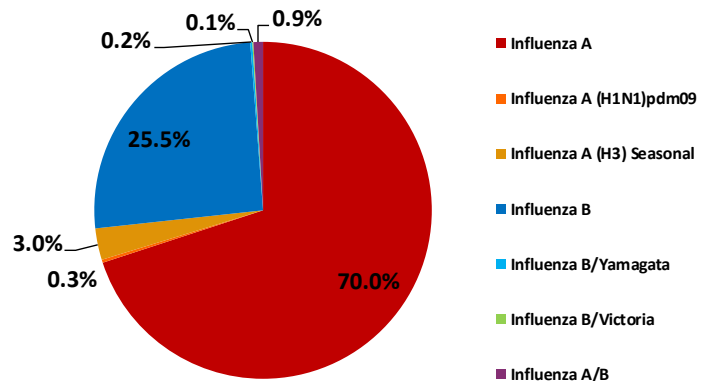
- 708 new influenza detections reported: *Elevated level*
- 3% influenza-like-illness (ILI) among emergency department visits: *Expected level*
- 7 new influenza-related deaths reported this week
- 9 new ICU cases reported this week
- 8% of deaths registered with pneumonia and/or influenza: *Expected level*

**Current  
Season Summary****18,135**

Total Cases

**276**

ICU Cases

**289**Deaths<sup>†</sup>**113**Outbreaks<sup>\*</sup>**Virus Characteristics**<sup>†</sup> Including 35 deaths less than 65 years of age, reportable to CDPH.<sup>\*</sup> At least one case of laboratory-confirmed influenza in a setting experiencing  $\geq 2$  cases of influenza like illness (ILI) within a 72-hour period.**Table 1. Influenza Surveillance Indicators**

| Indicator  | FY 2017-18* |        |                   | FY 2016-17 |                   | Prior 3-Year Average** |                   |
|--|-------------|--------|-------------------|------------|-------------------|------------------------|-------------------|
|  | Week 9      | Week 8 | FYTD <sup>#</sup> | Week 9     | FYTD <sup>#</sup> | Week 9                 | FYTD <sup>#</sup> |
| All influenza detections reported (rapid or PCR)             | 708         | 542    | 18,135            | 349        | 4,473             | 441                    | 5,051             |
| Percent of emergency department visits for ILI               | 3%          | 3%     |                   | 3%         |                   | 5%                     |                   |
| Percent of deaths registered with pneumonia and/or influenza | 8%          | 8%     |                   | 9%         |                   | 10%                    |                   |
| Number of influenza-related deaths reported <sup>^</sup>     | 7           | 13     | 289               | 4          | 61                | 6                      | 53                |

<sup>#</sup> 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.<sup>\*</sup> Previous weeks case counts or percentages may change due to delayed processing or reporting.<sup>\*\*</sup> Includes FYs 2014-15, 2015-16, and 2016-17.<sup>^</sup> Current FY deaths are shown by week of report; by week of death for prior FYs.

# Influenza Watch

## WHO Recommends Composition of 2018-2019 Influenza Vaccines

The World Health Organization (WHO) recently recommended the components for the influenza vaccine for the 2018-2019 northern hemisphere influenza season. According to WHO, the quadrivalent vaccine should contain the following:

- an A/Michigan/45/2015 (H1N1)pdm09-like virus (same as the 2017-2018 vaccine);
- an A/Singapore/INFIMH-16-0019/2016 (H3N2)-like virus (new);
- a B/Colorado/06/2017-like virus (B/Victoria lineage) (new); and
- a B/Phuket/3073/2013-like virus (B/Yamagata lineage) (same as the 2017-2018 vaccine).

WHO recommended that the influenza B virus component of trivalent vaccines be a B/Colorado/06/2017-like virus.

The United States Food and Drug Administration makes the final decision about the components of the influenza vaccines available in this country.

For more information, go to:

- [Recommended composition of influenza virus vaccines for use in the 2018-2019 northern hemisphere influenza season - full report](#)
- [Questions and answers - Recommended composition of influenza virus vaccines](#)

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

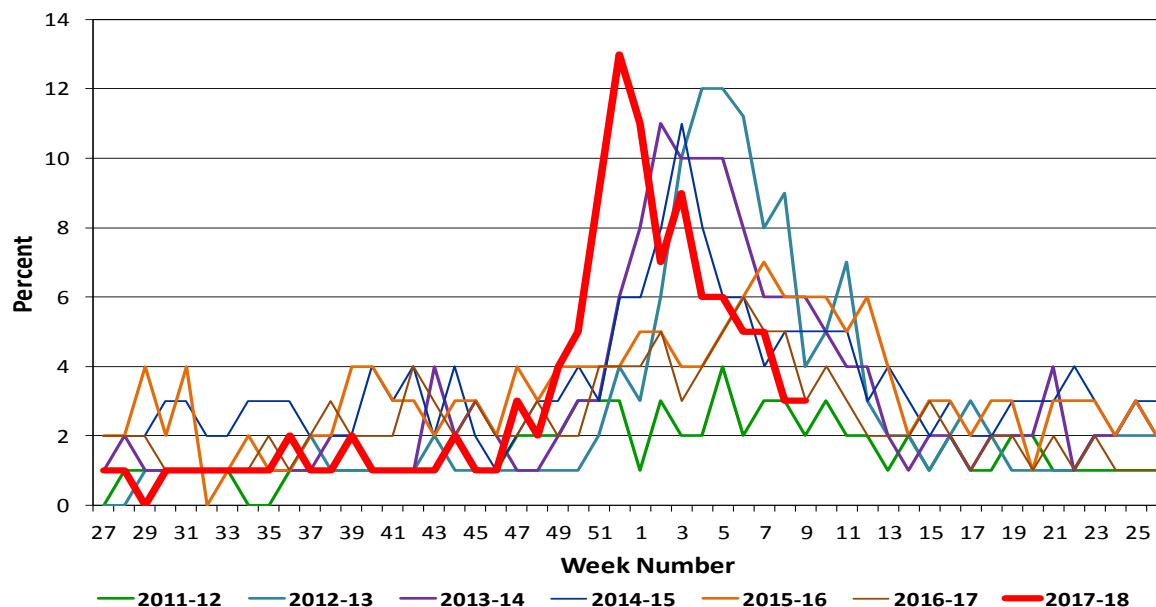
| Positive Test Type/Subtype      | Week 9     | Total<br>FY-To-Date |
|---------------------------------|------------|---------------------|
| Influenza A†                    | 246        | 12,688              |
| Influenza A(H1N1) Pandemic 2009 | 1          | 53                  |
| Influenza A (H3) Seasonal       | 1          | 549                 |
| Influenza B†                    | 458        | 4,624               |
| Influenza B/Victoria            | 0          | 18                  |
| Influenza B/Yamagata            | 0          | 37                  |
| Influenza A/B†                  | 2          | 166                 |
| <b>Total</b>                    | <b>708</b> | <b>18,135</b>       |

\* FY is July 1- June 30.

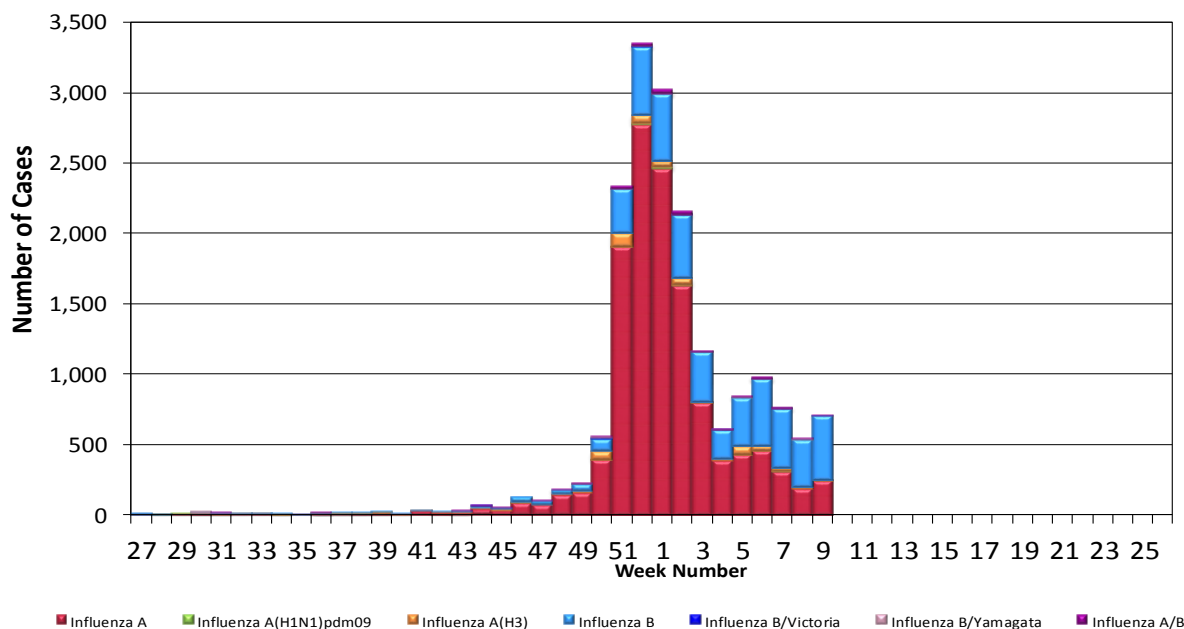
† No further characterization performed, or results were not yet available at time of publication.

Note: Totals may change due to further laboratory findings.

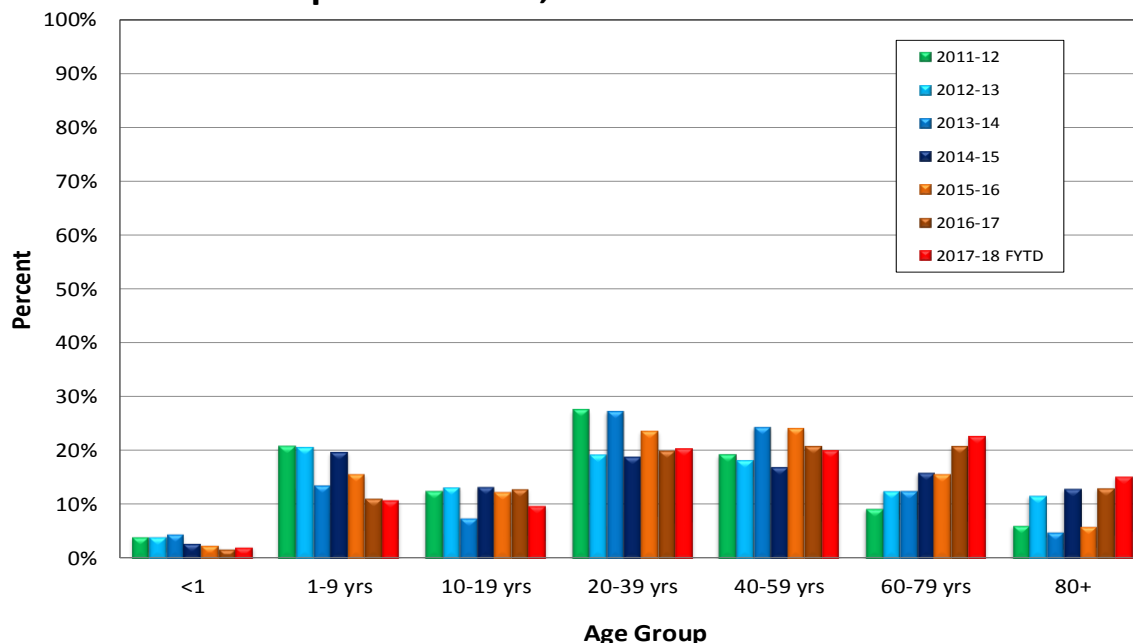
**Figure 1. Percent of Emergency Department Visits for Influenza-like Illness by Week and FY**



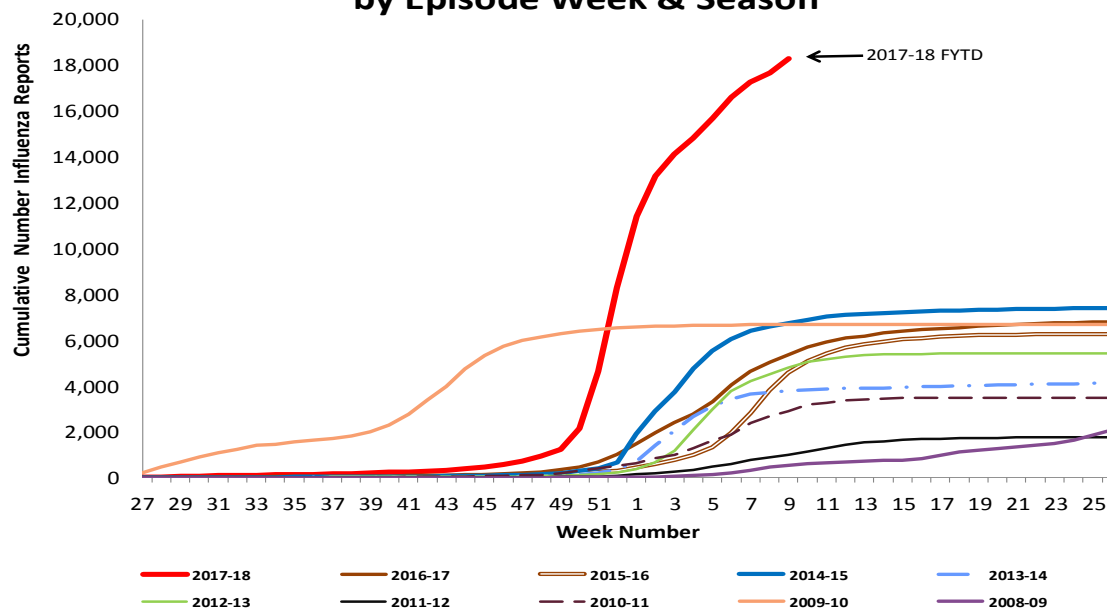
**Figure 2. San Diego County Influenza Detections by Type and Week of Report, 2017-18 FYTD (N=18,135)**



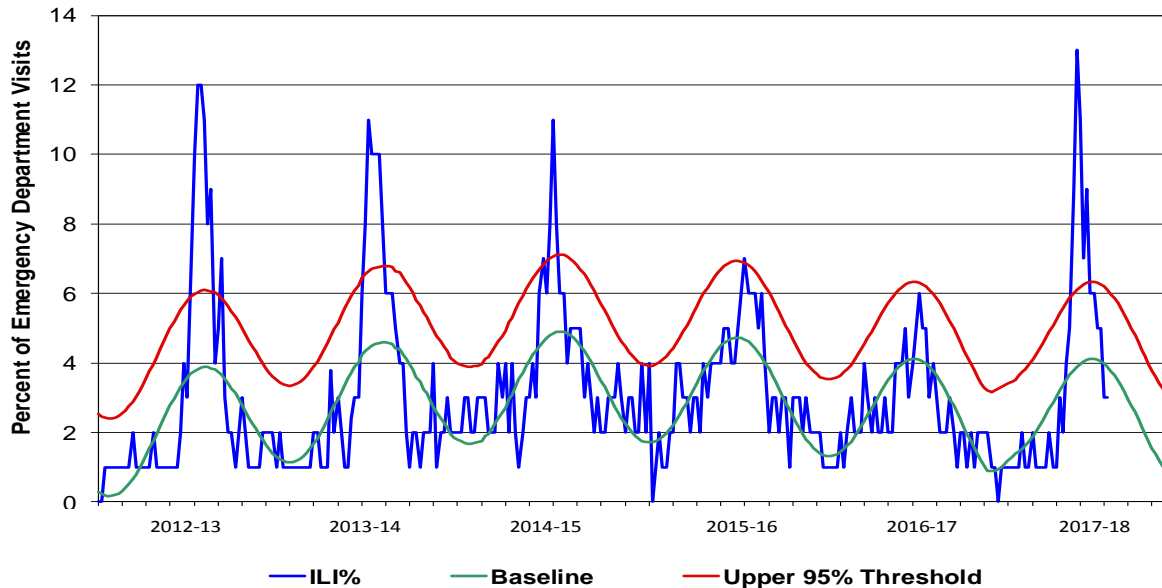
**Figure 3. Percent of Reported Influenza Cases by Age Group and Season, 2011-12 to 2017-18 FYTD**



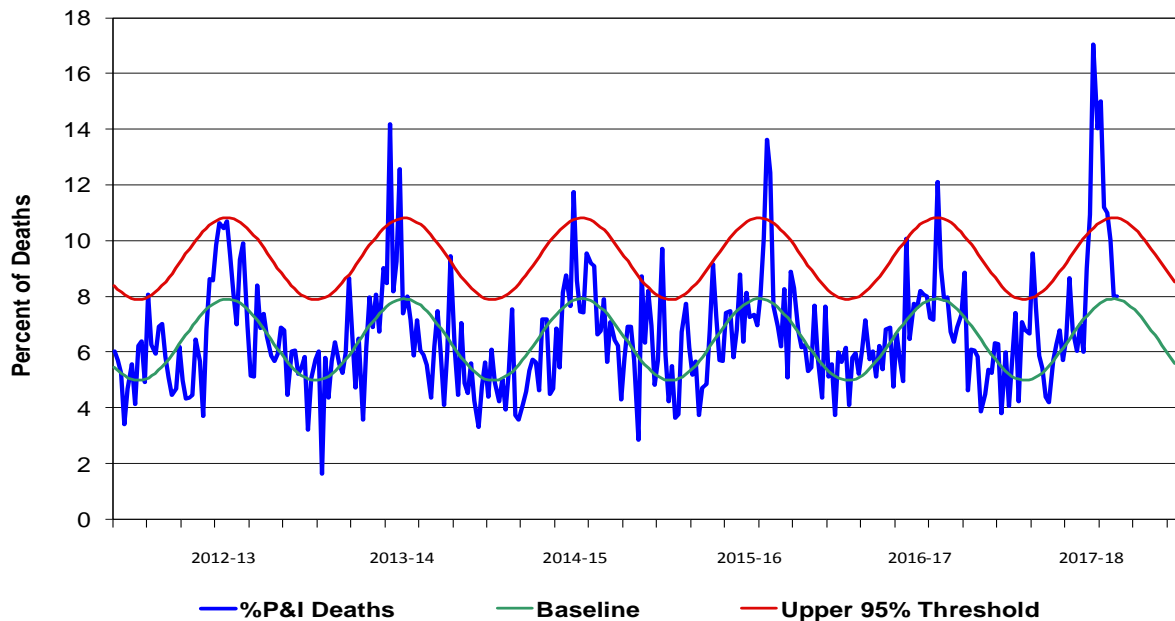
**Figure 4. Cumulative Influenza Case Reports by Episode Week & Season**



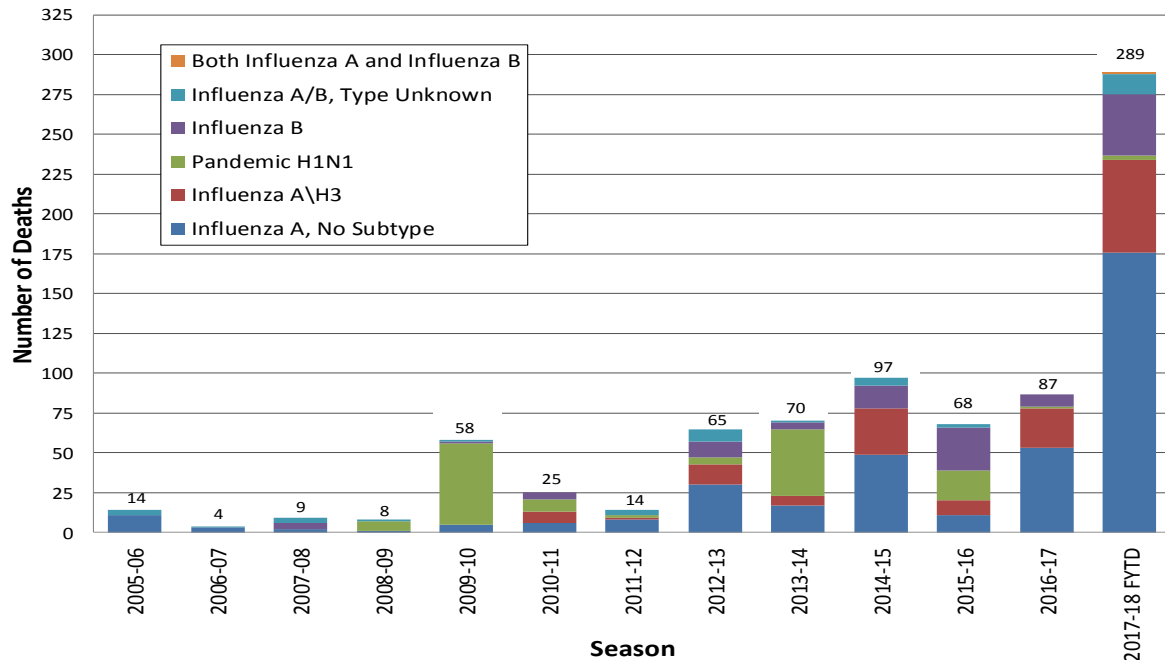
**Figure 5. Percent of San Diego County Emergency Department Visits for Influenza-like Illness by Week and FY Compared to 5-Year Baseline & Upper 95% Threshold Values (Serfling Method)**



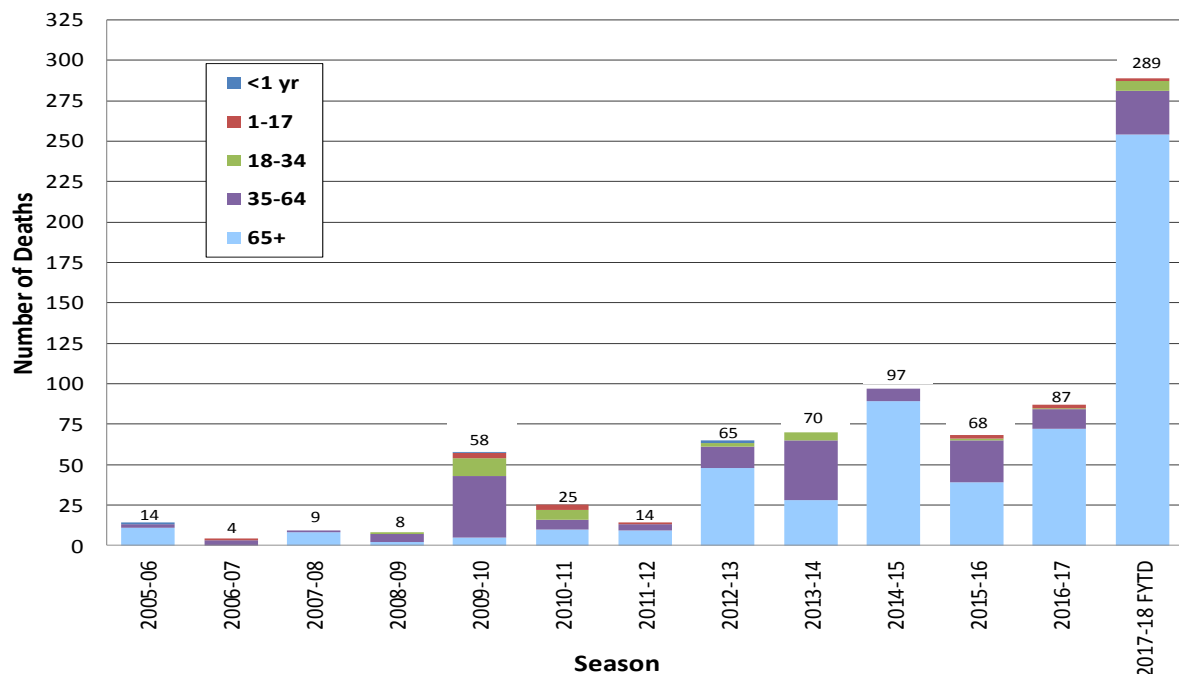
**Figure 6. Percent of San Diego County Deaths Registered with Pneumonia and/or Influenza by Week and FY Compared to Prior 5-Year Baseline & Upper 95% Threshold Values (Serfling Method)**



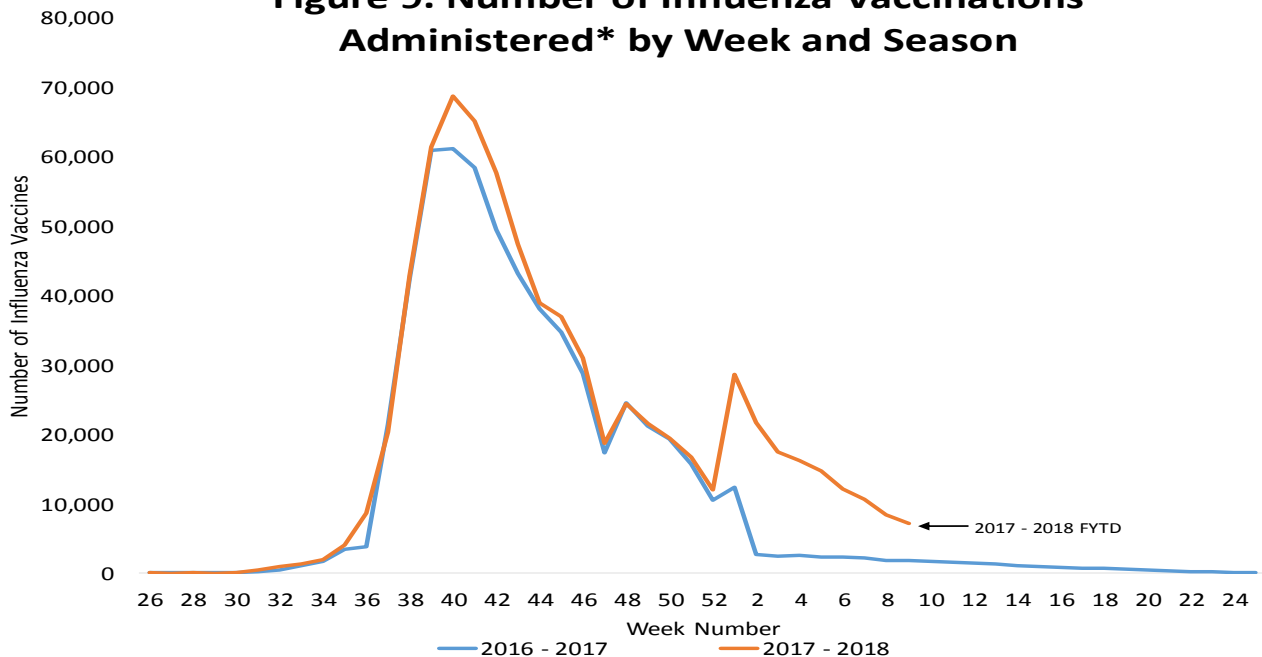
**Figure 7. Influenza Deaths by Type and Season**



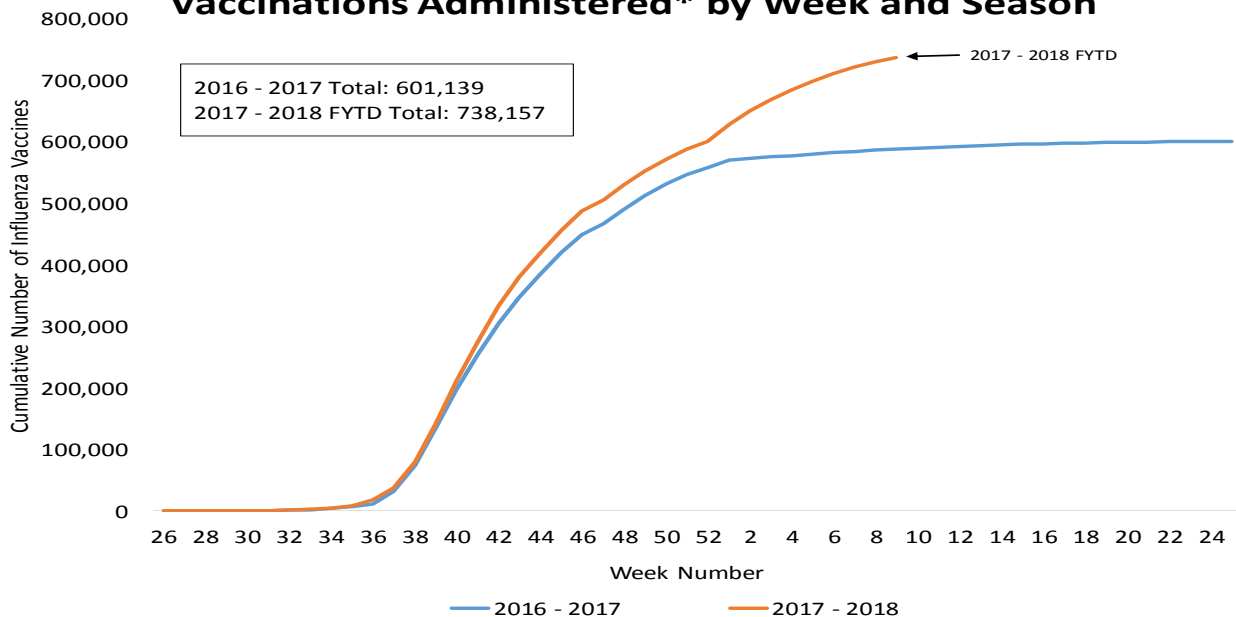
**Figure 8. Influenza Deaths by Age and Season**



**Figure 9. Number of Influenza Vaccinations Administered\* by Week and Season**



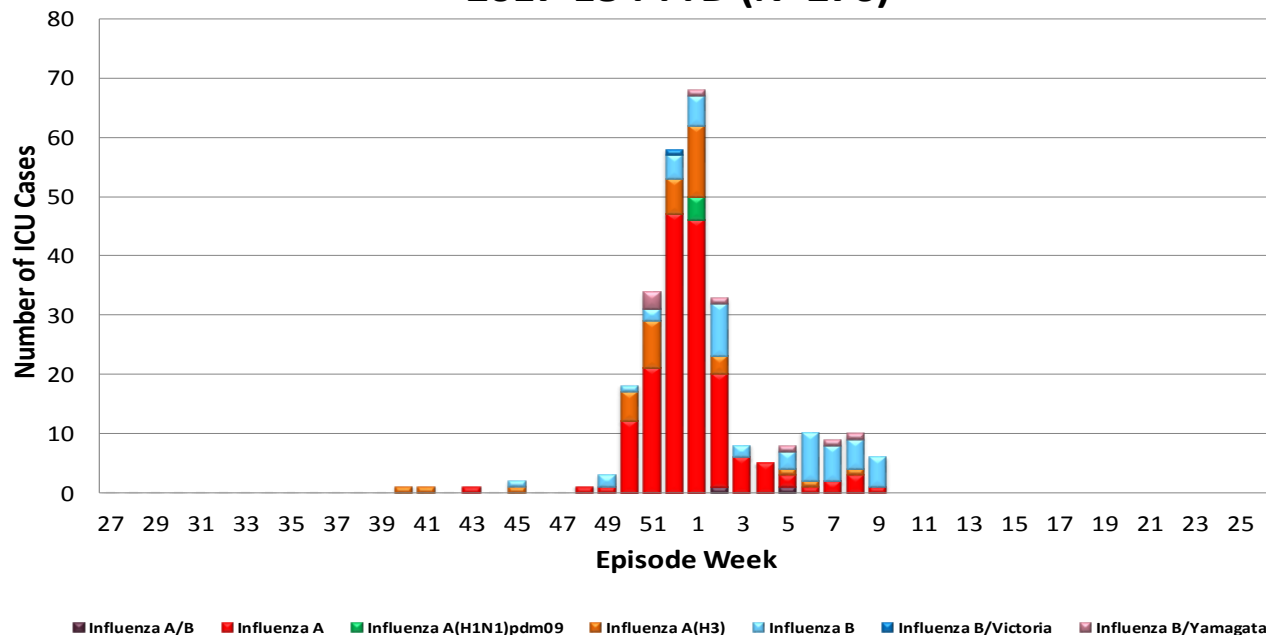
**Figure 10. Cumulative Number of Influenza Vaccinations Administered\* by Week and Season**



\* Influenza vaccinations administered and entered into the San Diego Immunization Registry ([SDIR](#))

# Influenza Watch

**Figure 11. Number of Influenza Cases Requiring ICU Care by Episode Week and Type of Influenza, 2017-18 FYTD (N=276)**



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

## 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](mailto: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](http://www.sdiz.org)

California Department of Public Health [Influenza](#)

Centers for Disease Control and Prevention Influenza Surveillance [Weekly Report](#)