



# INFLUENZA WATCH

Week 45

Ending 11/11/2017

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.**

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**Current Week****Current Week 45 (ending 11/11/2017)**

- 61 new influenza detections reported: *Elevated level*
- 1% influenza-like-illness (ILI) among emergency department visits: *Expected level*
- 1 new influenza-related death reported this week
- 2 new ICU cases reported this week
- 6% of deaths registered with pneumonia and/or influenza: *Expected level*

**Current Season Summary****445**

Total Cases

**5**

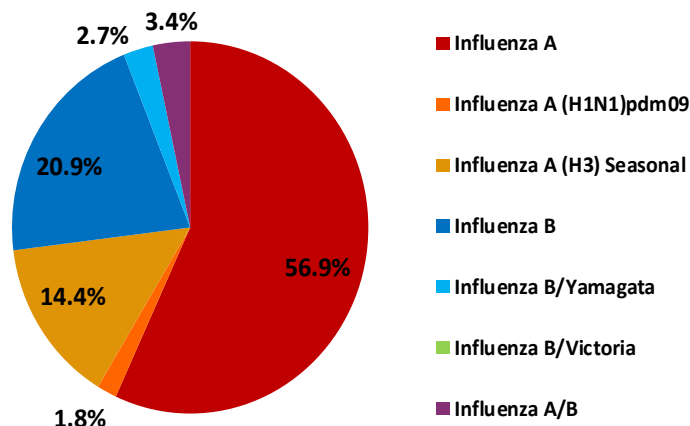
ICU Cases

**3**

Deaths

**2**

Outbreaks

**Virus Characteristics****Table 1. Influenza Surveillance Indicators**

Indicator	FY 2017-18*			FY 2016-17		Prior 3-Year Average**	
	Week	Week	FYTD#	Week	FYTD#	Week	FYTD#
	45	44		45		45	
All influenza detections reported (rapid or PCR)	61	66	445	23	144	18	112
Percent of emergency department visits for ILI	1%	2%		3%		3%	
Percent of deaths registered with pneumonia and/or influenza	6%	7%		7%		6%	
Number of influenza-related deaths reported^	1	0	3	0	1	0	<1

\* 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.

\*\* Includes FYs 2014-15, 2015-16, and 2016-17.

^ Current FY deaths are shown by week of report; by week of death for prior FYs.

# Influenza Watch

## Flu increasing across United States

The Centers for Disease Control and Prevention (CDC) [noted last week](#) that cases are rising across the United States, and two states, Louisiana and South Carolina, are seeing moderate activity.

Overall, however, national flu activity is low, with only 13 states reporting influenza cases. Across the country, the proportion of people seeing medical providers for influenza-like illnesses (ILI) was 1.8%, below the national baseline of 2.2%.

H3N2 is still the dominant circulating strain. Last week 72% of samples tested were positive for influenza A, and 28% for influenza B. H3 strains account for 83% of the influenza A cases.

CDC reported there are no signs of antiviral resistance among tested samples. So far this season, the strains circulating are genetically similar to those chosen for this year's flu vaccine.

Each Friday during the influenza season, CDC publishes a surveillance report on influenza in [FluView](#) and the California Department of Public Health (CDPH) provides a summary on influenza and other respiratory illnesses on the [CDPH Influenza webpage](#).

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

Positive Test Type/Subtype	Week 45	Total FY-To-Date
Influenza A <sup>†</sup>	33	253
Influenza A(H1N1) Pandemic 2009	0	8
Influenza A (H3) Seasonal	11	64
Influenza B <sup>†</sup>	11	93
Influenza B/Victoria	0	0
Influenza B/Yamagata	0	12
Influenza A/B <sup>†</sup>	6	15
<b>Total</b>	<b>61</b>	<b>445</b>

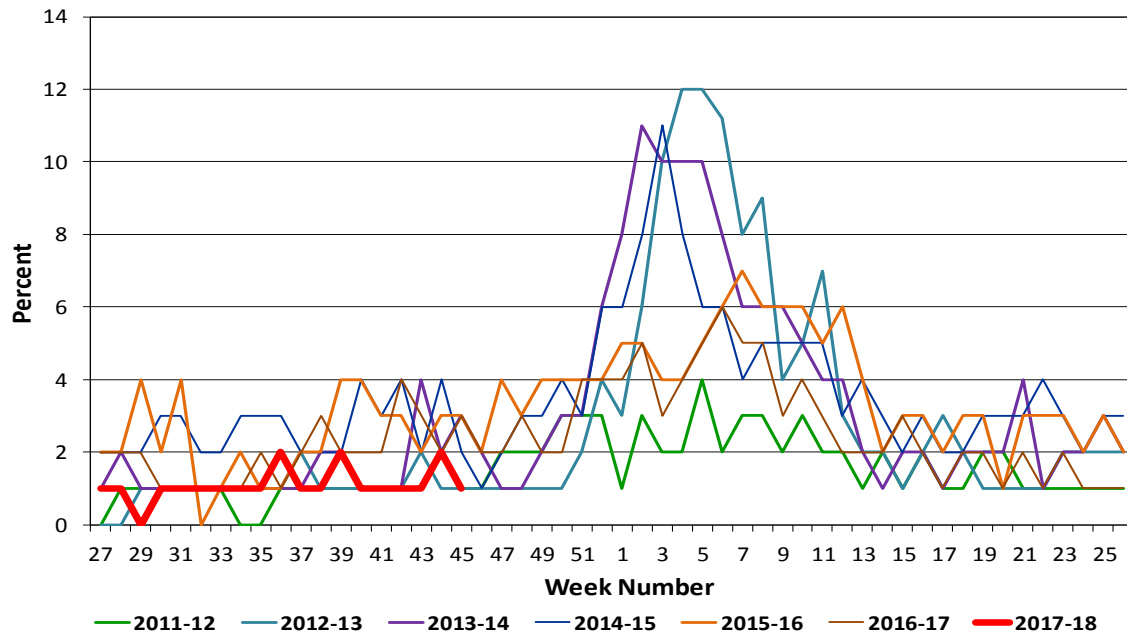
\* FY is July 1 - June 30.

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

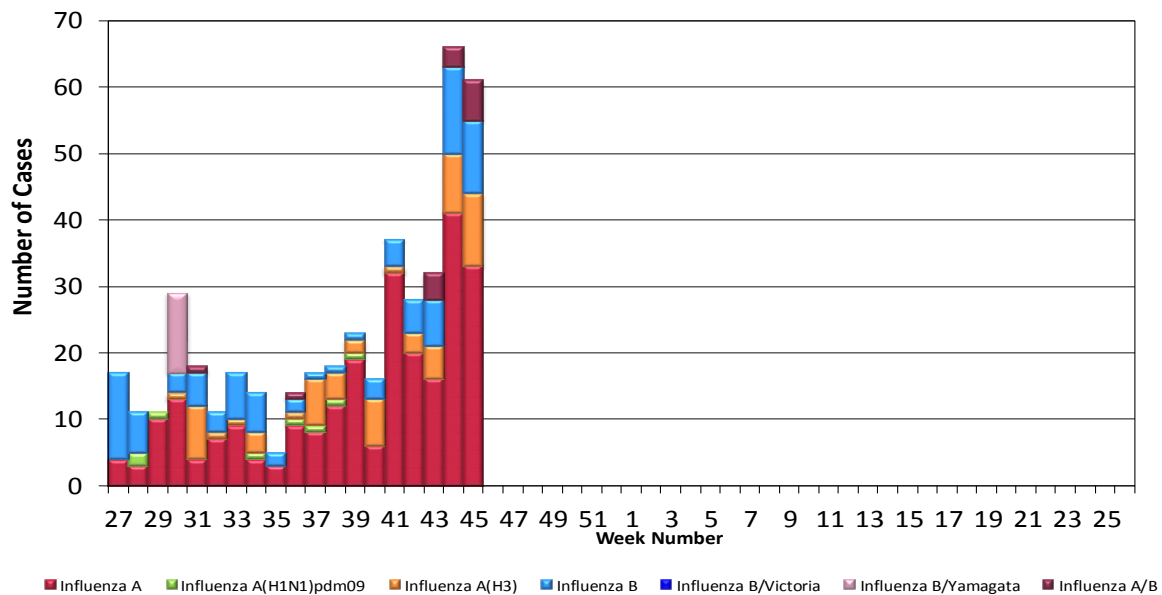
Note: Totals may change due to further laboratory findings.

# Influenza Watch

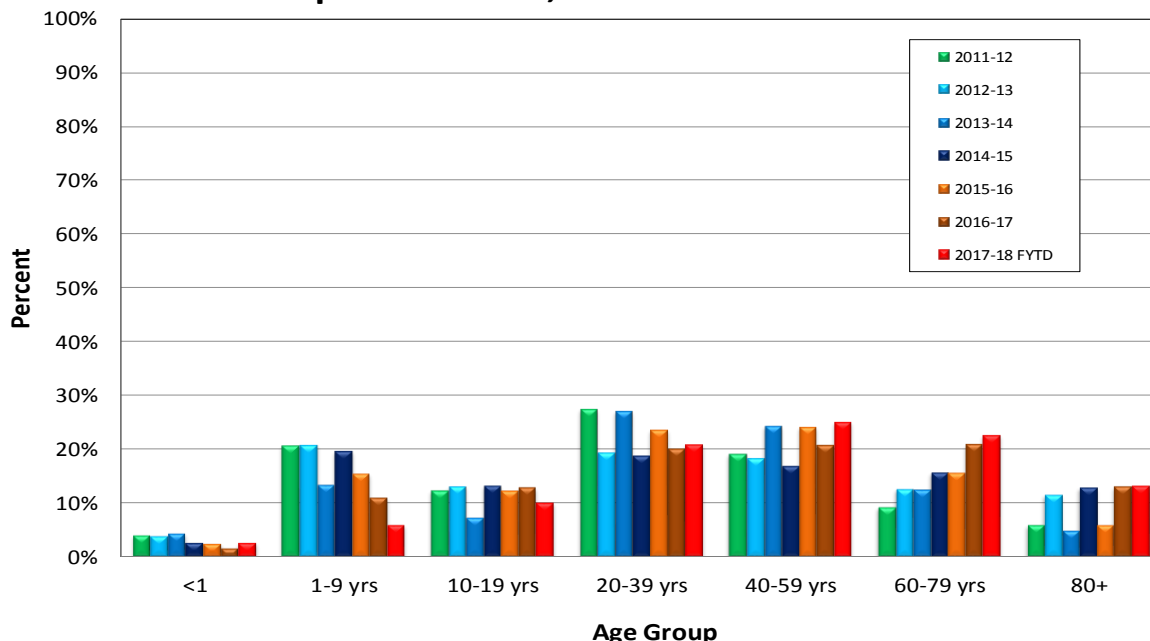
**Figure 1. Percent of Emergency Department Visits for Influenza-like Illness by Week and FY**



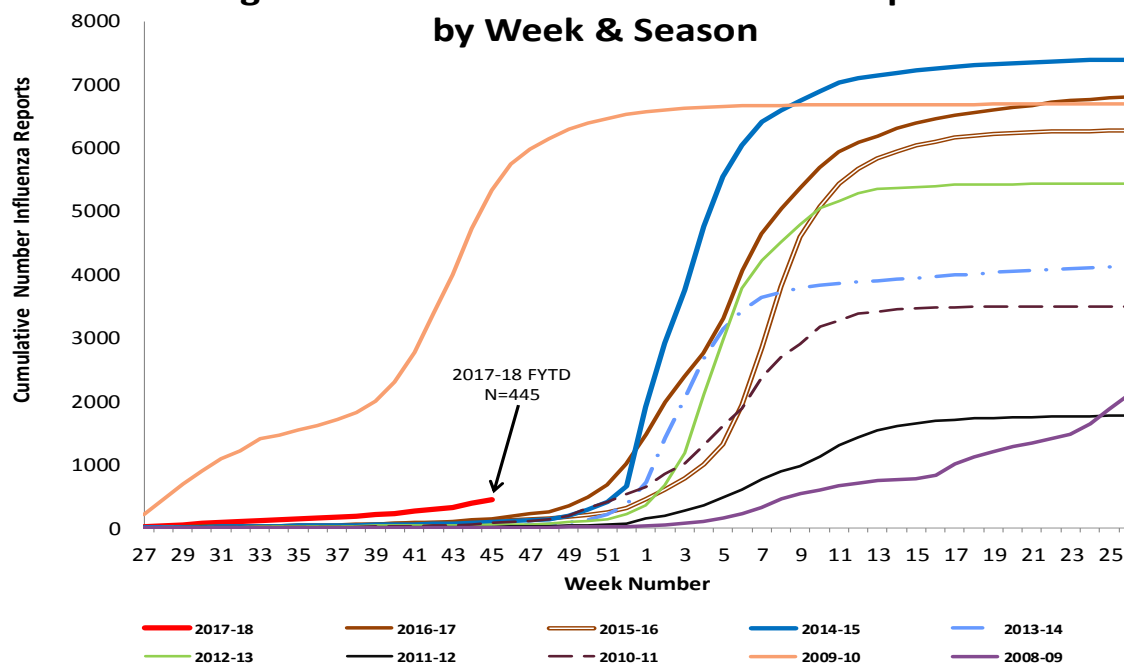
**Figure 2. San Diego County Influenza Detections by Type and Week of Report, 2017-18 FYTD (N=445)**



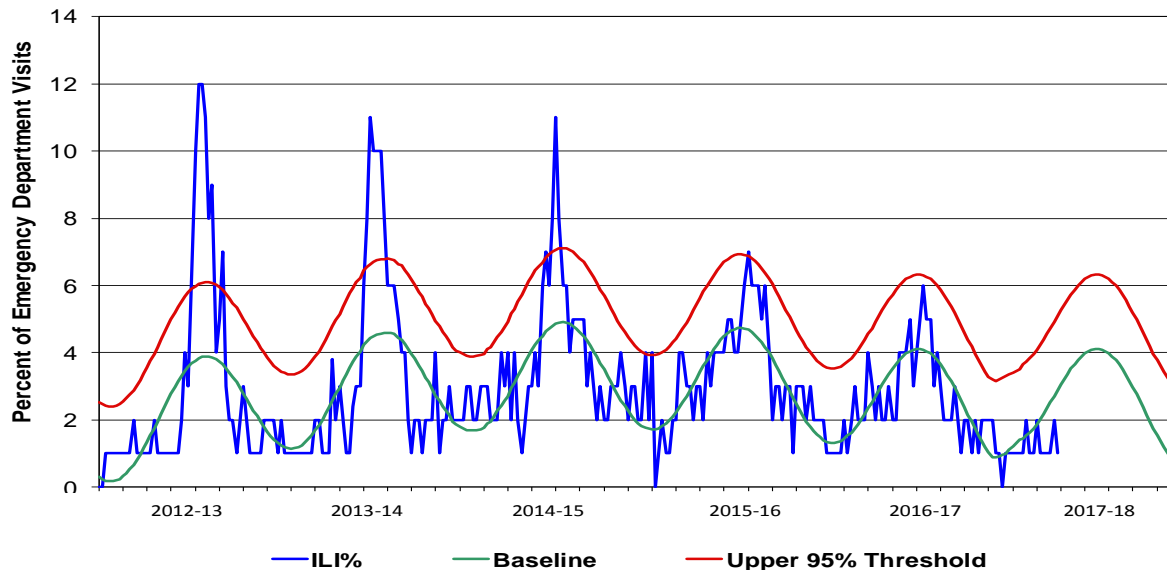
**Figure 3. Percent of Reported Influenza Cases by Age Group and Season, 2011-12 to 2017-18 FYTD**



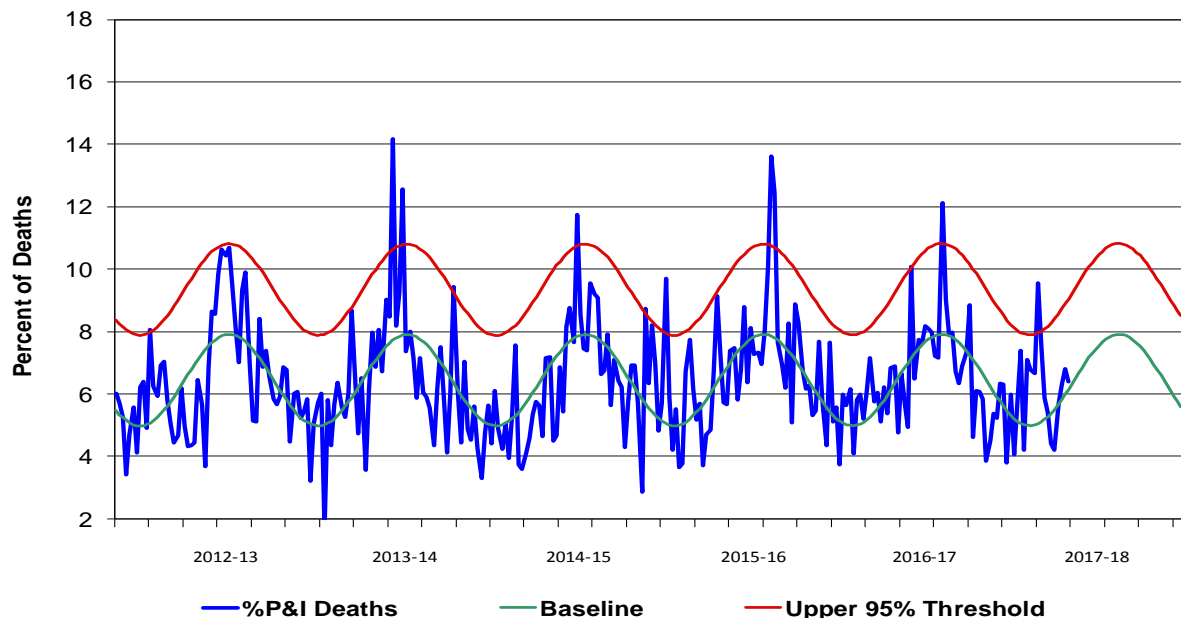
**Figure 4. Cumulative Influenza Case Reports by Week & Season**



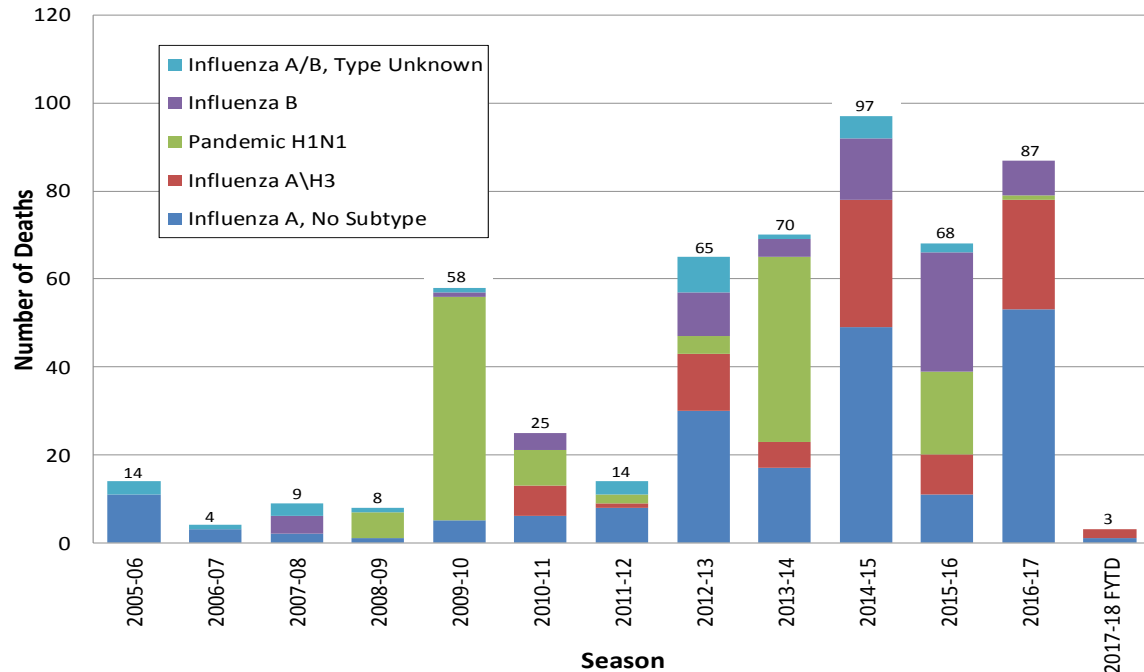
**Figure 5. Percent of San Diego County Emergency Department Visits for Influenza-like Illness by Week and FY Compared to 5-Year Baseline & Upper 95% Threshold Values (Serfling Method)**



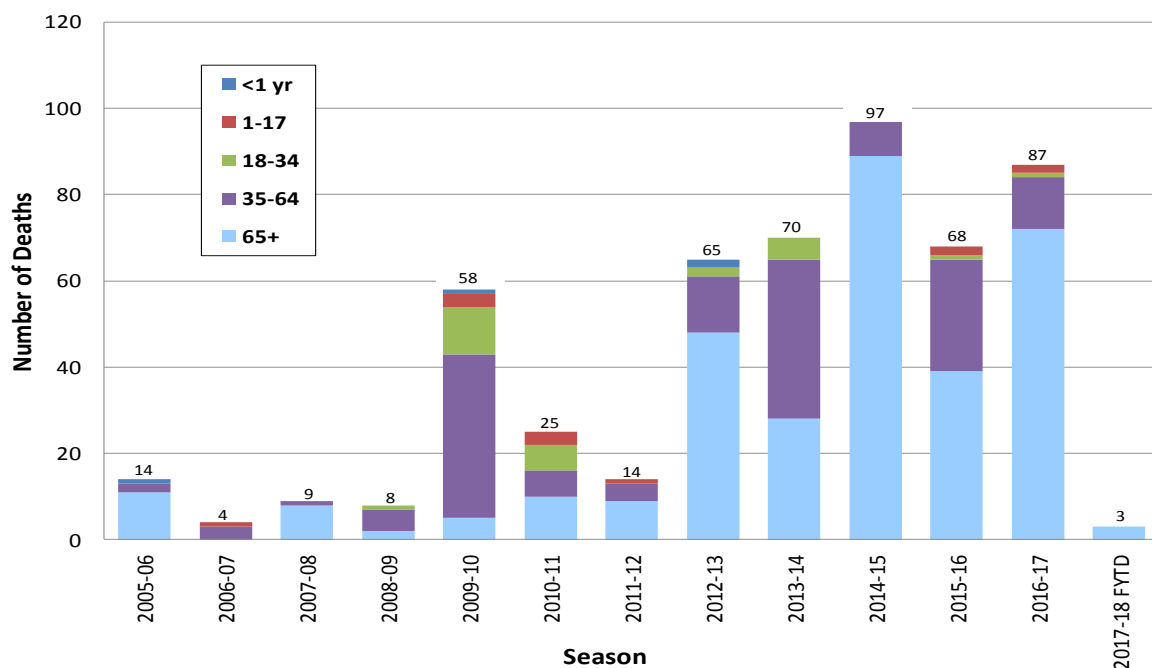
**Figure 6. Percent of San Diego County Deaths Registered with Pneumonia and/or Influenza by Week and FY Compared to Prior 5-Year Baseline & Upper 95% Threshold Values (Serfling Method)**



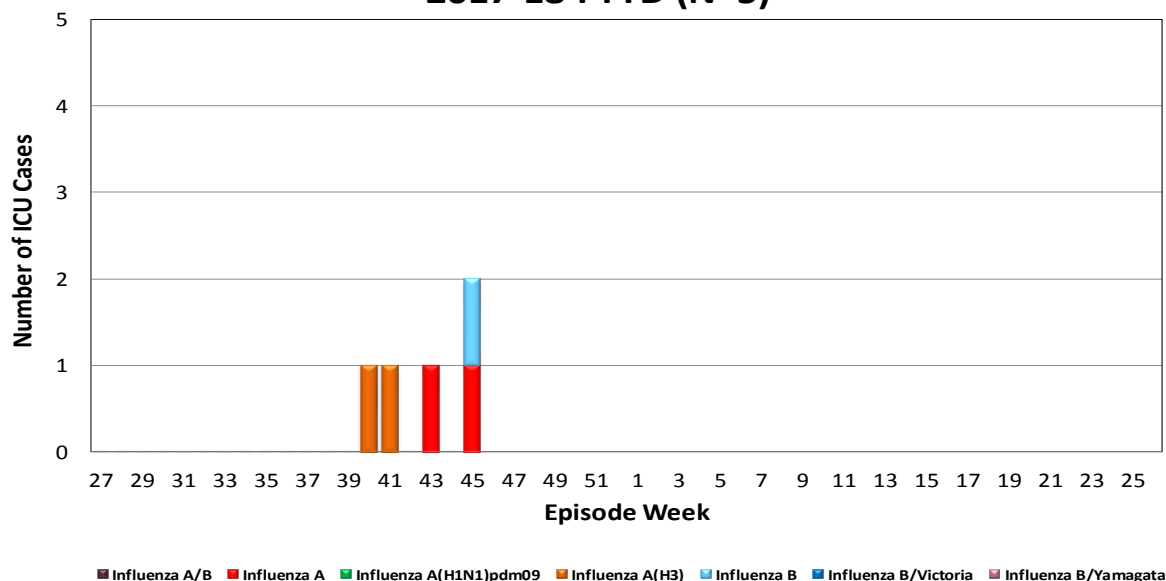
**Figure 7. Influenza Deaths by Type and Season**



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



**Figure 9. Number of Influenza Cases Requiring ICU Care by Episode Week and Type of Influenza, 2017-18 FYTD (N=5)**



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](#)