



SAN DIEGO COUNTY INFLUENZA SURVEILLANCE

2019-20 SEASON SUMMARY



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July 1, 2019 - June 30, 2020



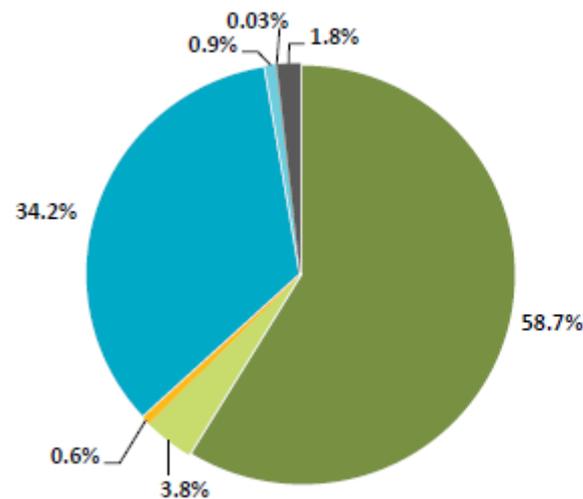
TOTAL REPORTED INFLUENZA CASES

N=20,711

108 Flu Deaths

0 Pediatric Deaths

62 Outbreaks



Virus Characteristics

- Influenza A, subtype unknown
- Influenza A (H1N1)pdm09
- Influenza A (H3)
- Influenza B, subtype unknown
- Influenza B/Victoria
- Influenza B/Yamagata
- Influenza, type unknown

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Table 1. Influenza Surveillance Indicators.

Surveillance Indicator	2019-20 Season	2018-19 Season	Prior 3-Season Average*
All influenza detections reported (rapid or PCR)	20,711	9,655	12,110
Number of influenza-related outbreaks reported [∞]	62	25	59
Number of influenza-related deaths reported [^]	108	77	169

*Includes FYs 2016-17, 2017-18, and 2018-19. Influenza season is July 1 – June 30, Weeks 27-26.

[∞]At least one case of laboratory-confirmed influenza in a setting experiencing two or more cases of influenza like illness (ILI) within a 72-hour period.

Total confirmed influenza outbreaks in prior seasons: 25 in 2018-19, 119 in 2017-18, and 34 in 2016-17.

[^]Current FY deaths are shown by week of report; by week of death for prior FYs. Total deaths reported in prior seasons: 77 in 2018-19, 343 in 2017-18, and 87 in 2016-17.

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Table 2. Influenza Cases Reported, 2019-2020 Season

Positive Test Type/Subtype	Total	Percent
Influenza A, subtype unknown	12,163	58.7%
Influenza A (H1N1)pdm09	795	3.8%
Influenza A (H3)	123	0.6%
Influenza B, subtype unknown	7,079	34.2%
Influenza B/Victoria	181	0.9%
Influenza B/Yamagata	6	0.03%
Influenza, type unknown	364	1.8%
Total	20,711	100.0%

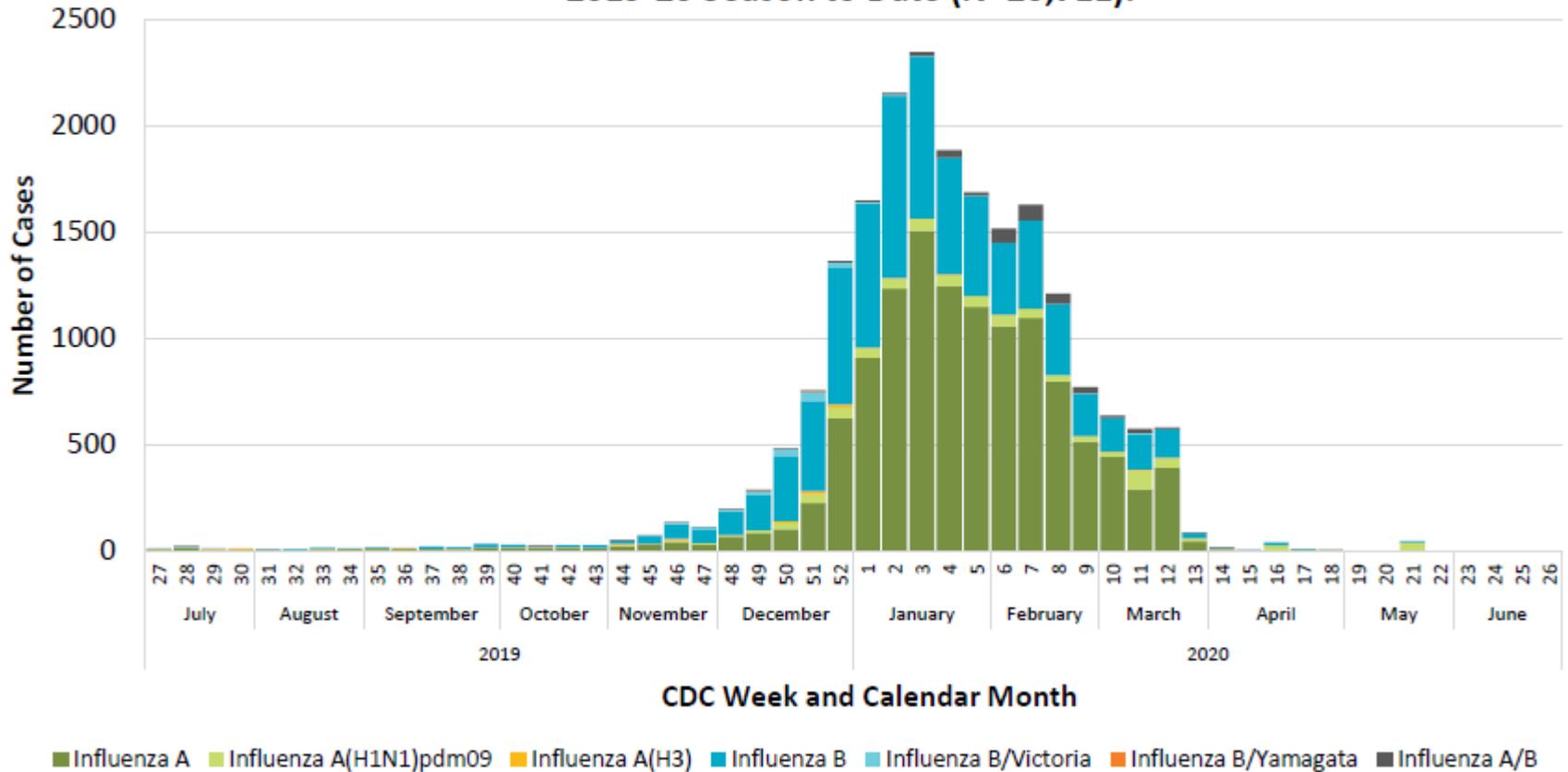
**Season is July 1- June 30, Weeks 27-26.*

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Figure 1. San Diego County Influenza Detections by Type and Week of Report, 2019-20 Season to Date (N=20,711).



9/9/2020

Preliminary Results

Data Source: Emergency department chief complaint data

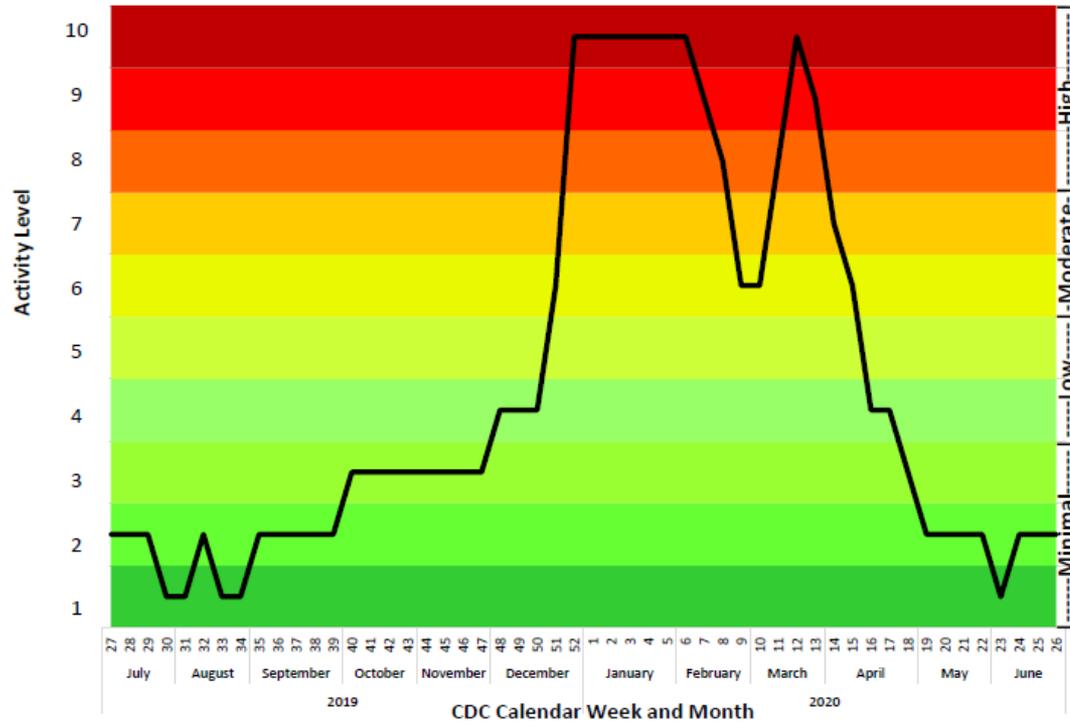
Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch

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Figure 2. Activity Level of Emergency Department Influenza-Like Illness (ILI), 2019-20 Season.



Influenza Activity Indicator:

The activity level compares the current week's ED ILI% (emergency department influenza-like illness, percent of all visits) to the mean and number of standard deviations above of the mean of the ED ILI% in non-influenza season weeks (CDC disease weeks 27-39) from the current and prior four seasons.

There are 10 activity levels, classified as: Minimal (levels 1-3), Low (levels 4-5), Moderate (levels 6-7), and High (levels 8-10). An activity level of 1 corresponds to when the ED ILI% is below the mean; level 2 corresponds to when the ED ILI% is less than 1 standard deviation above the mean; level 3 corresponds to when the ED ILI% is more than 1 but less than 2 standard deviations above the mean, and so on, with an activity level of 10 corresponding to when the ED ILI% is at 8 or more standard deviations above the mean.

Legend	Minimal			Low		Moderate		High		
	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	LEVEL 7	LEVEL 8	LEVEL 9	LEVEL 10
	< mean	≥ mean and <1 standard deviation above mean	≥1 and <2 standard deviations above mean	≥2 and <3 standard deviations above mean	≥3 and <4 standard deviations above mean	≥4 and <5 standard deviations above mean	≥5 and <6 standard deviations above mean	≥6 and <7 standard deviations above mean	≥7 and <8 standard deviations above mean	≥8 standard deviations above mean

9/9/2020

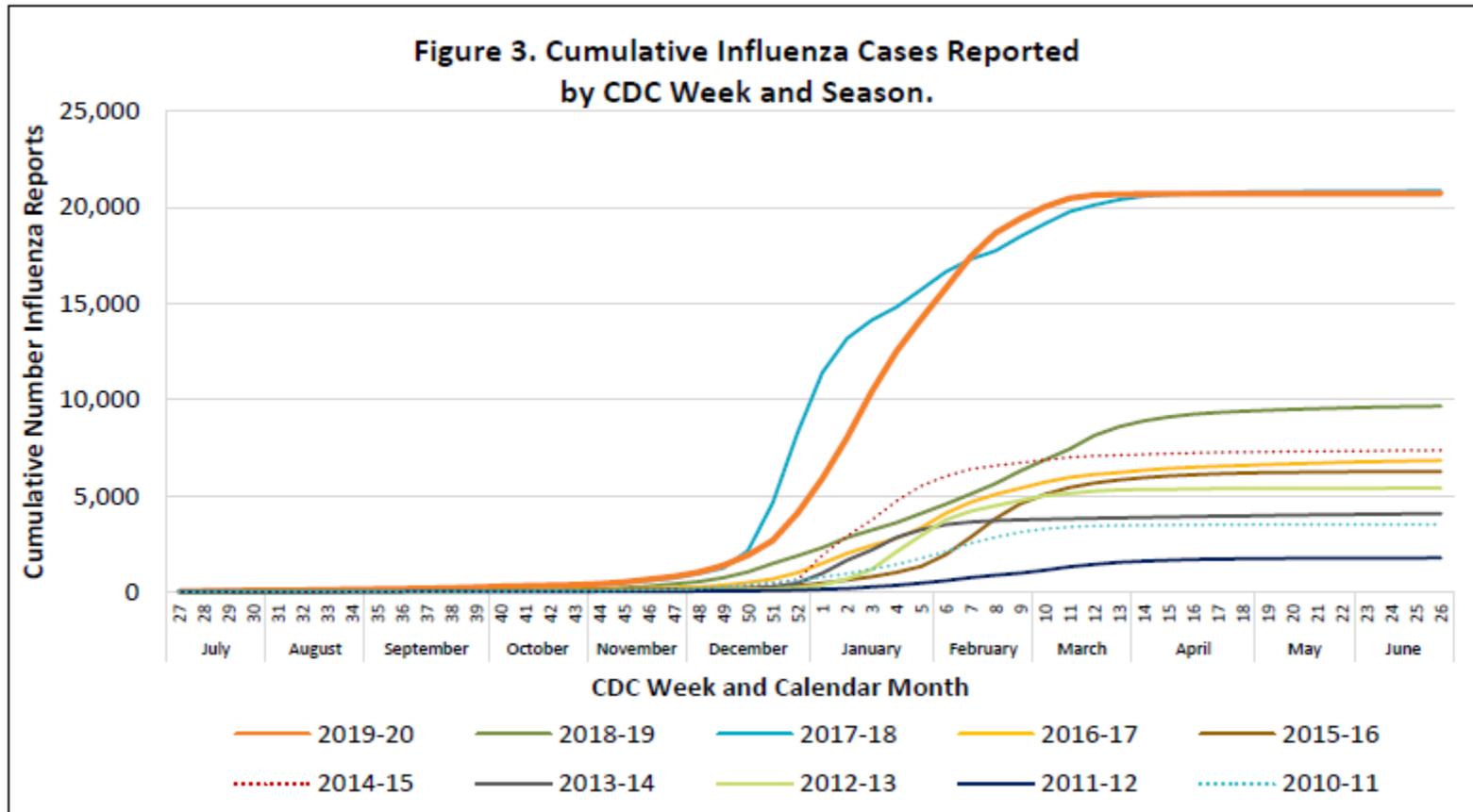
Preliminary Results

Data Source: San Diego County Communicable Disease Registry

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch

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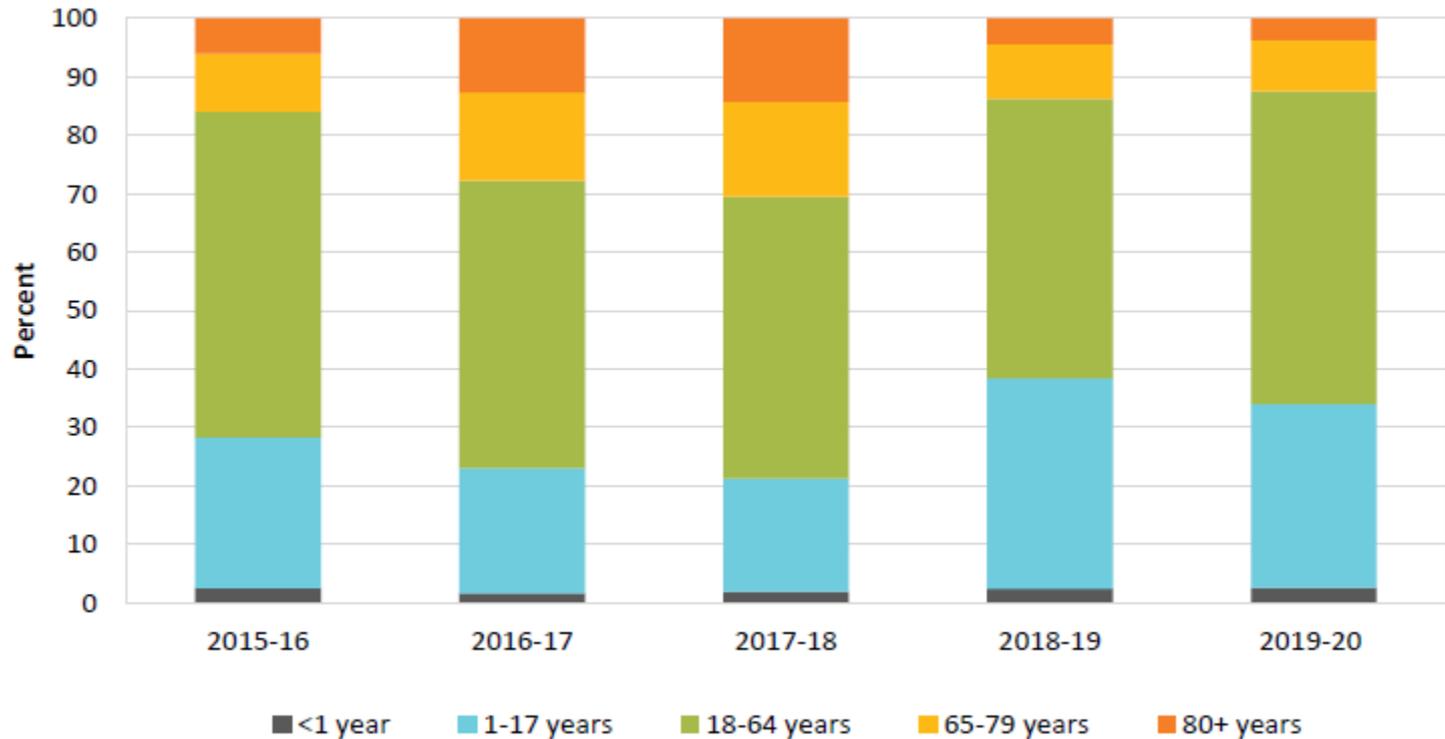


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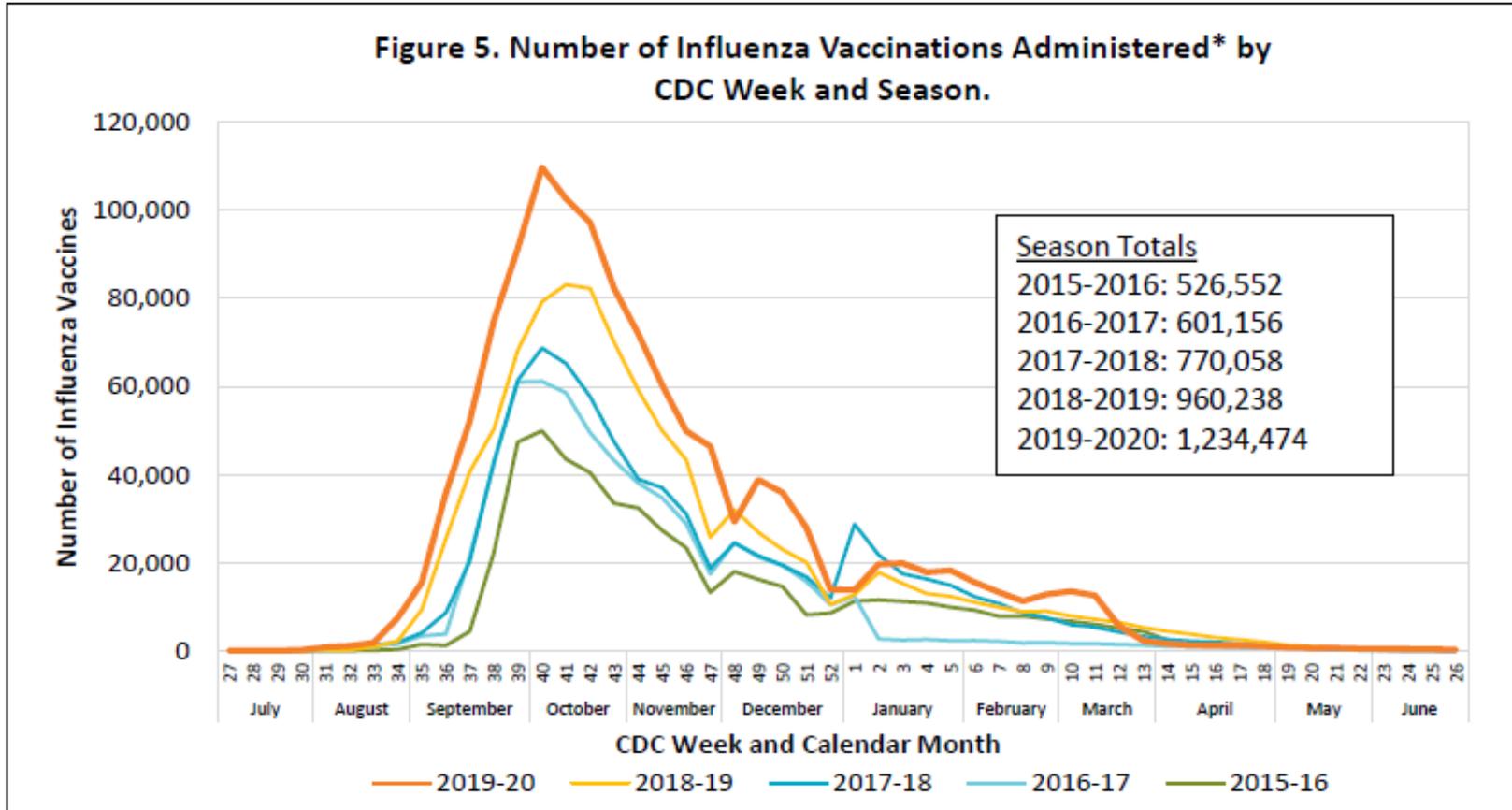


Figure 4. Proportion of Influenza Cases by Age Group and Season.



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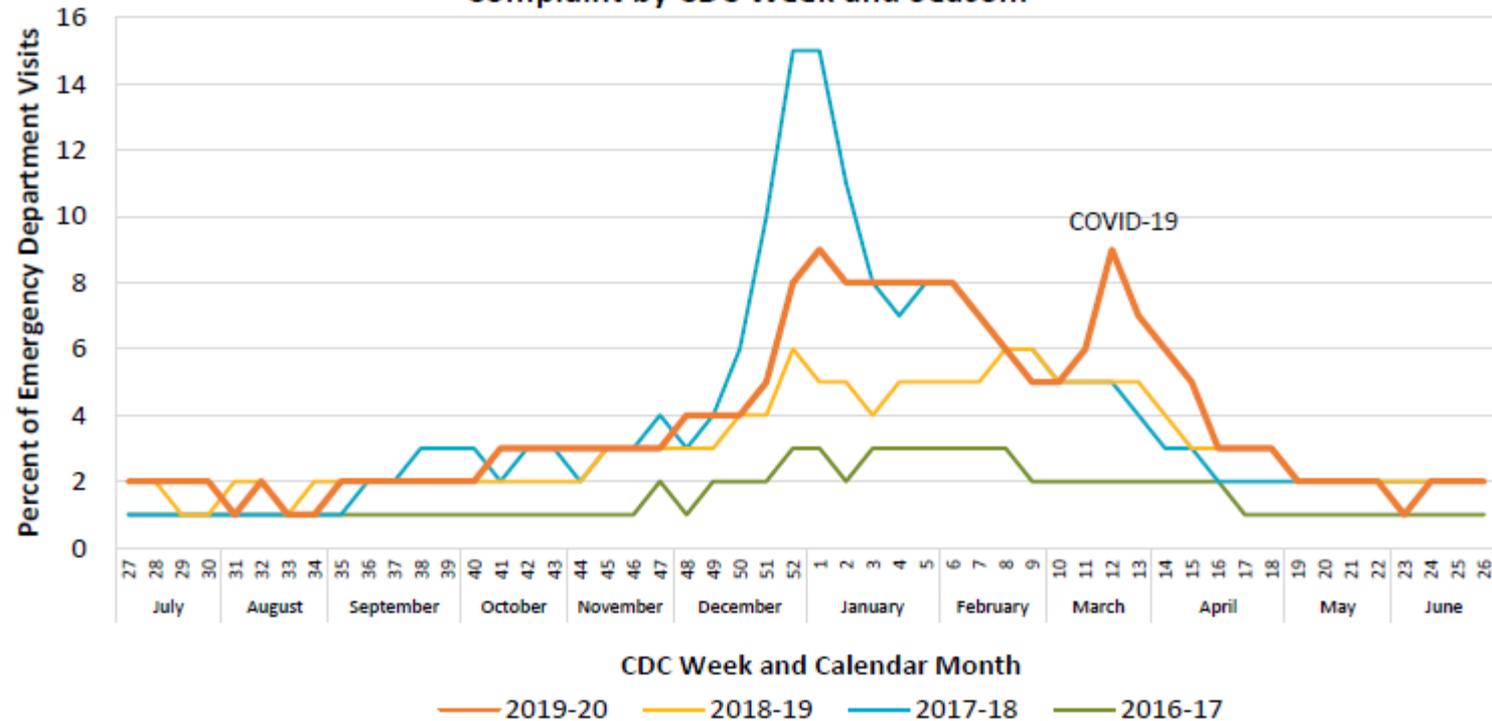
* Influenza vaccinations administered and entered into the San Diego Immunization Registry ([SDIR](#))

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Figure 6. Percent of Emergency Department Visits for ILI Chief Complaint by CDC Week and Season.

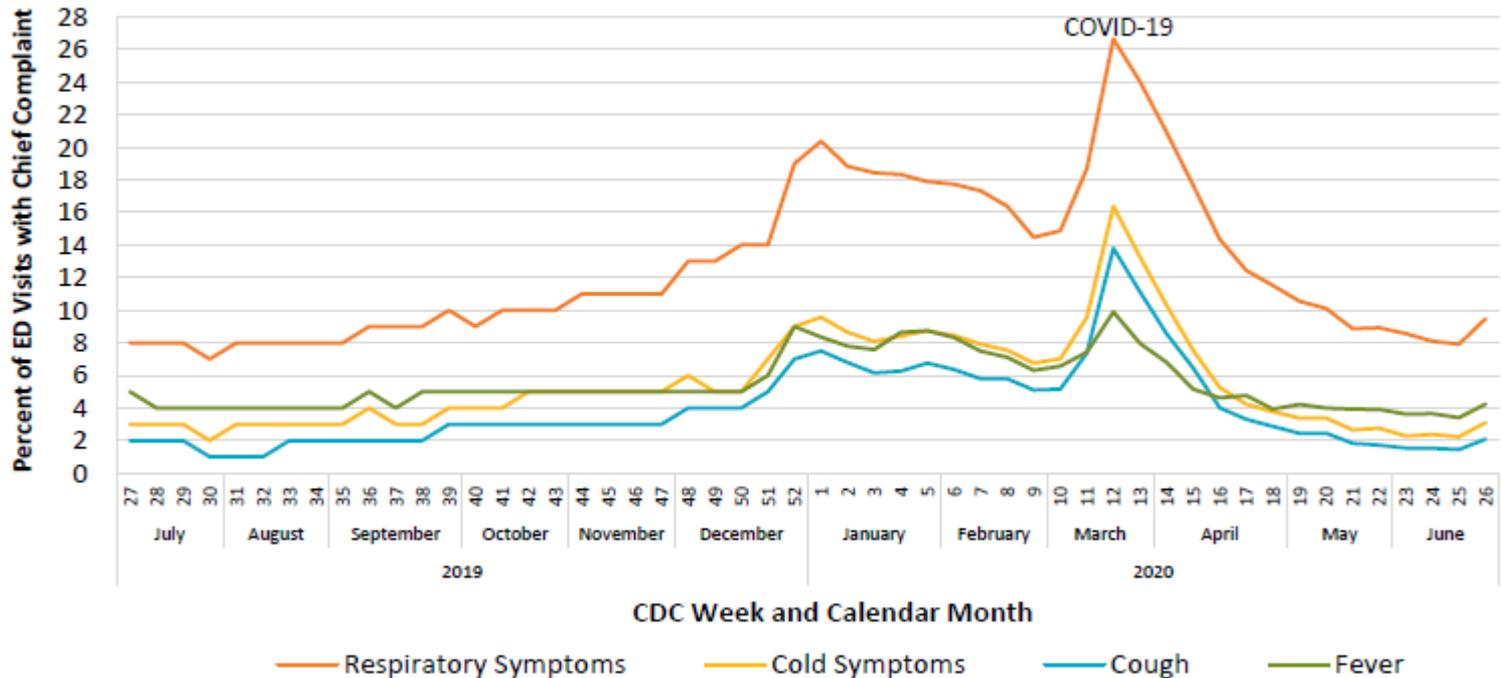


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Figure 7. Percent of Emergency Department Visit Chief Complaints for Cough, Cold, Fever, or Respiratory Symptoms* by CDC Week, 2019-20 Season to Date.



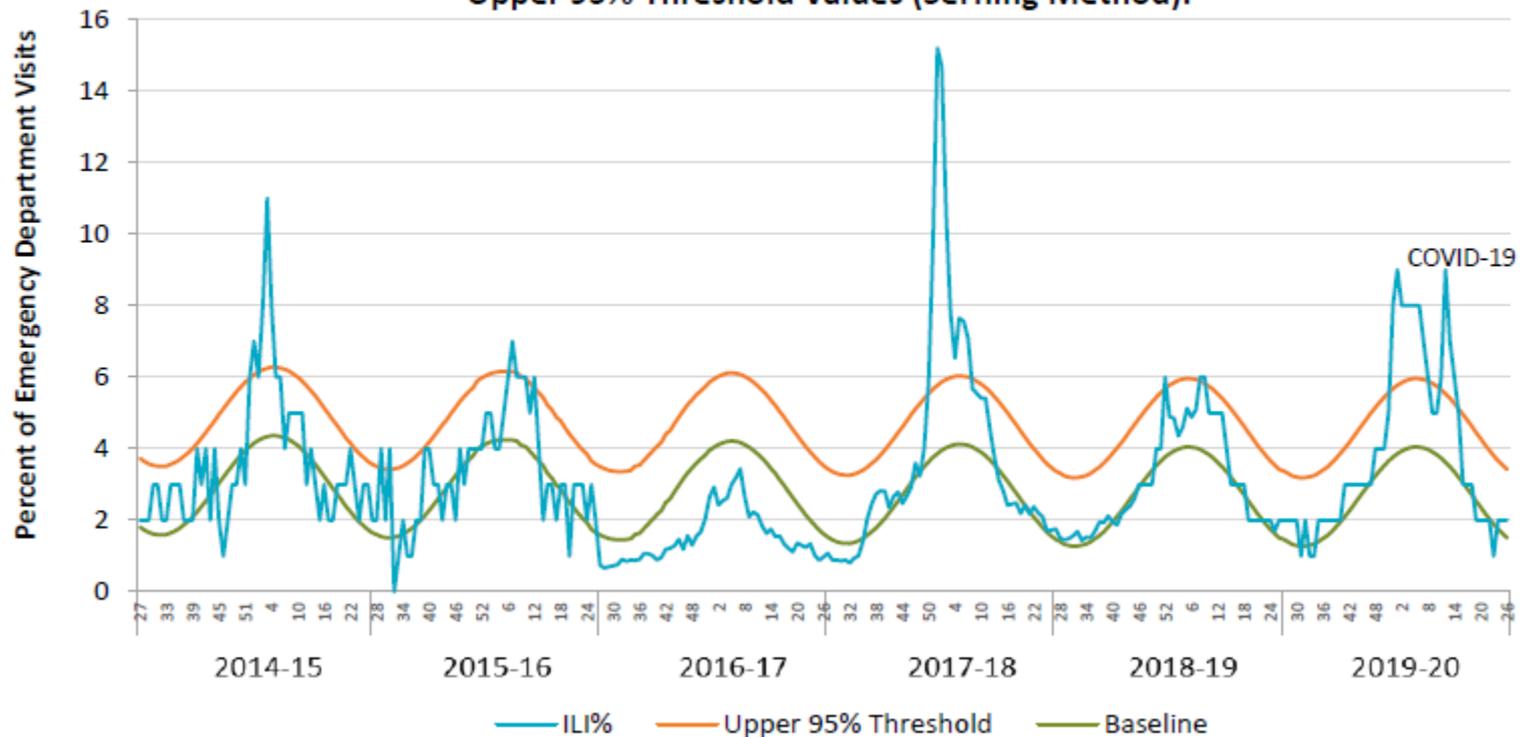
* Respiratory category includes cough, cold symptoms, influenza-like illness, and other respiratory symptoms.

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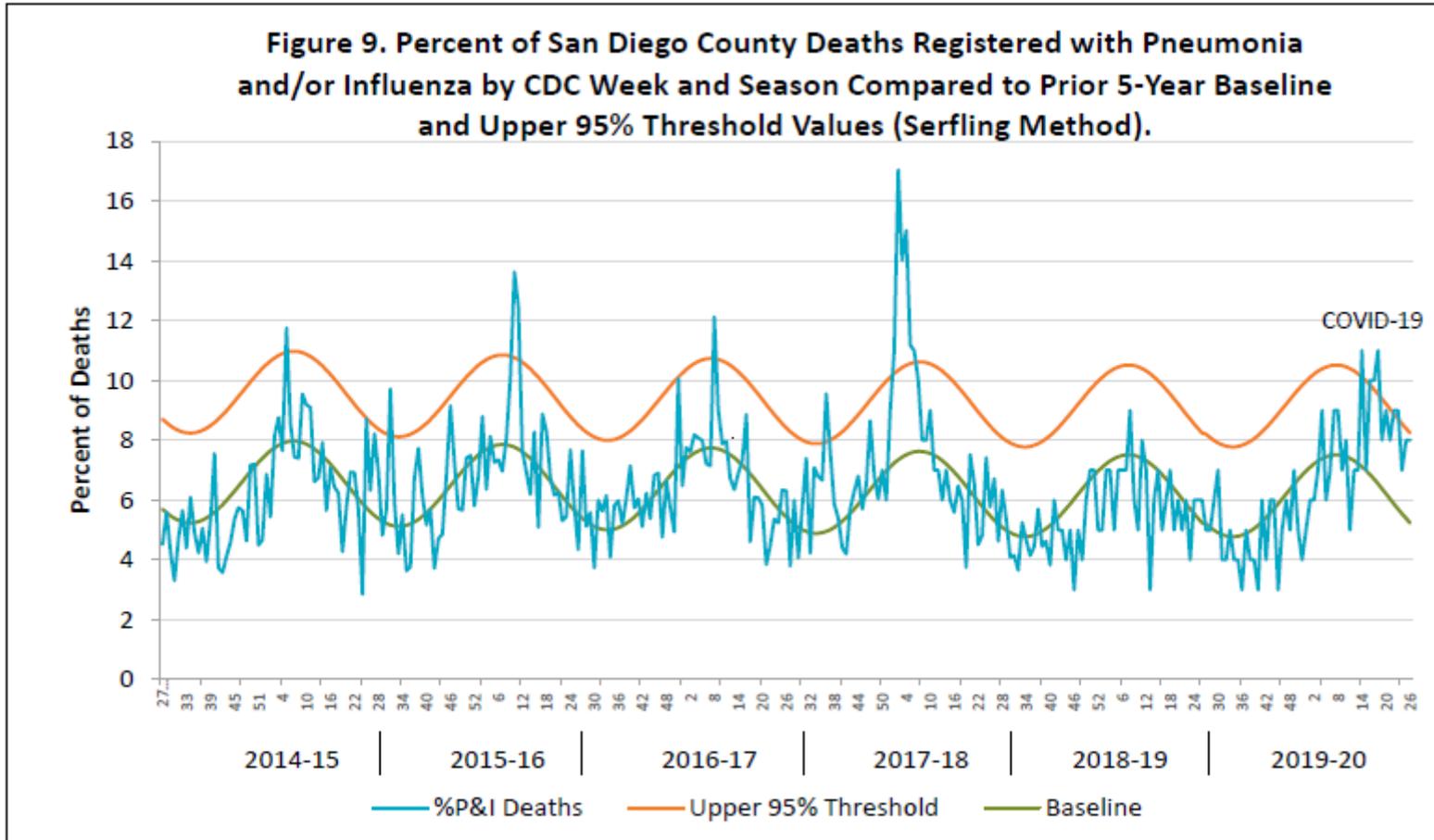


Figure 8. Percent of San Diego County Emergency Department Visits for Influenza-like Illness by CDC Week and Season Compared to 5-Year Baseline and Upper 95% Threshold Values (Serfling Method).



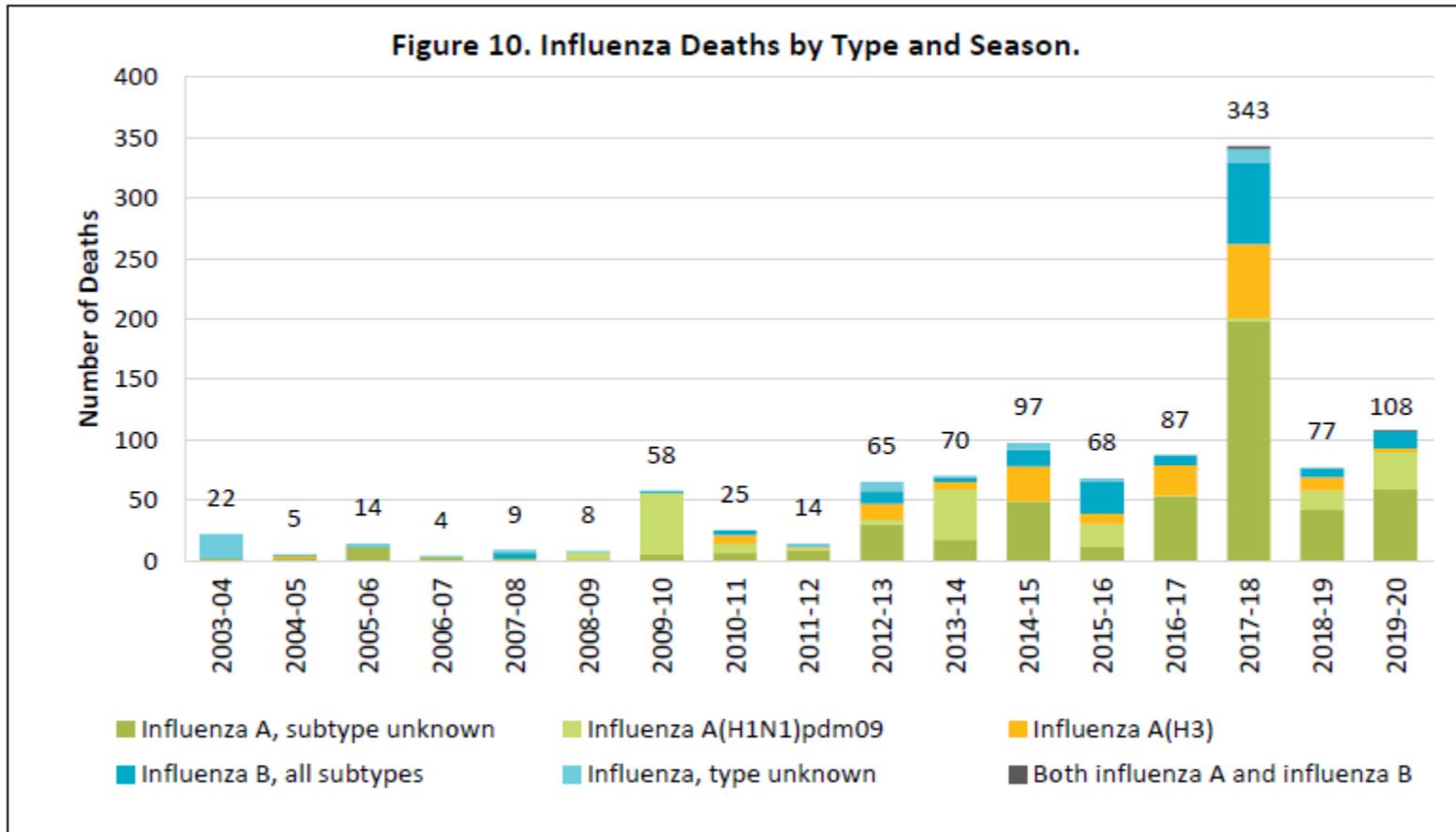
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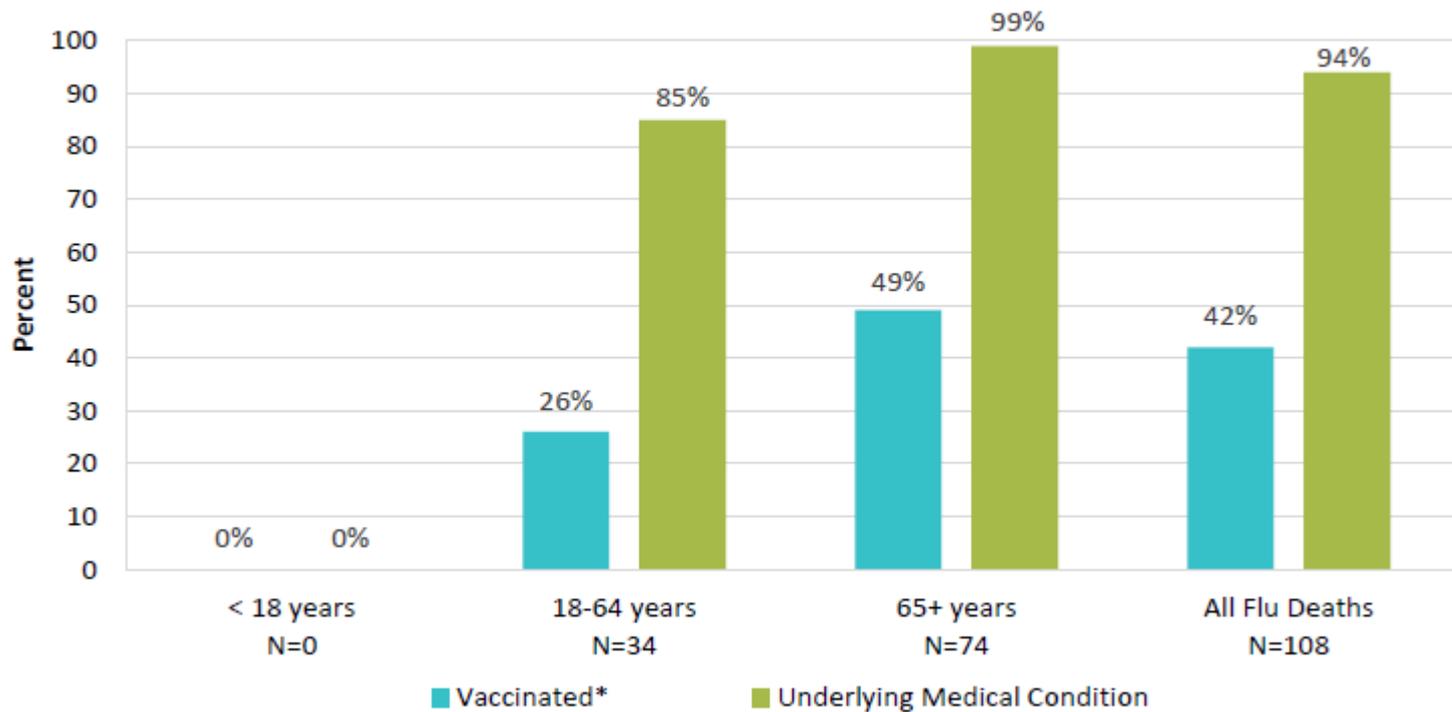


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Figure 11. Percent of Influenza Deaths by Age Group, Vaccination Status, and Underlying Medical Condition, 2019-20 Season.



* known to be vaccinated

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