



SAN DIEGO COUNTY INFLUENZA SURVEILLANCE

2020-21 SEASON

AS OF WEEK 8 (ENDING 2/27/2021)



CURRENT UPDATE

Reported Since July 1, 2020



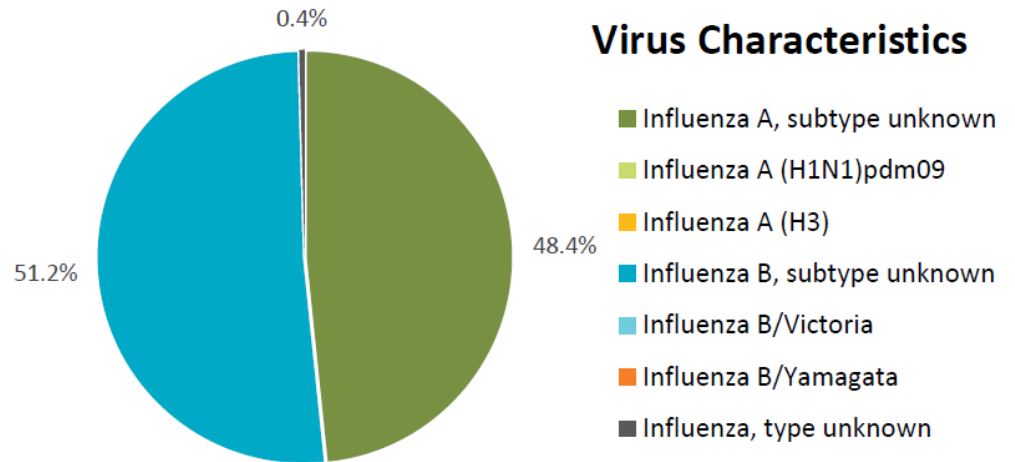
TOTAL REPORTED INFLUENZA CASES

N=701

2 Flu Deaths

0 Pediatric Deaths

0 Outbreaks



3/3/2021

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

INFLUENZA SURVEILLANCE UPDATE, 2020-21 YTD



Table 1. Influenza Surveillance Indicators.

Indicator	2020-21 Season			2019-20 Season			Prior 3-Year Average*		
	Week 8	Week 7	Total to Date	Week 8	Total To Date	Season Total	Week 8	Total To Date	Season Total
All influenza detections reported (rapid or PCR)	5	13	701	1,212	17,909	20,711	763	13,600	17,073
Percent of emergency department visits for ILI	2%	2%		8%			7%		
Percent of deaths registered with pneumonia and/or influenza	21%	22%		9%			9%		
Number of influenza-related outbreaks [∞]	0	0	0	5	55	62	3	59	69
Number of influenza-related deaths reported [^]	1	0	2	11	74	108	10	132	176

Influenza season is July 1 – June 30, Weeks 27-26. Previous weeks case counts or percentages may change due to delayed processing or reporting.

*Includes FYs 2017-18, 2018-19, and 2019-20.

[∞]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: 119 in 2017-18, 25 in 2018-19, and 62 in 2019-20.

[^]Current FY deaths are shown by week of report; by week of death for prior FYs. Total deaths reported in prior seasons: 343 in 2017-18, 77 in 2018-19, and 108 in 2019-20.

INFLUENZA SURVEILLANCE UPDATE, 2020-21 YTD



Table 2. Influenza Cases Reported, 2020-2021 Season*

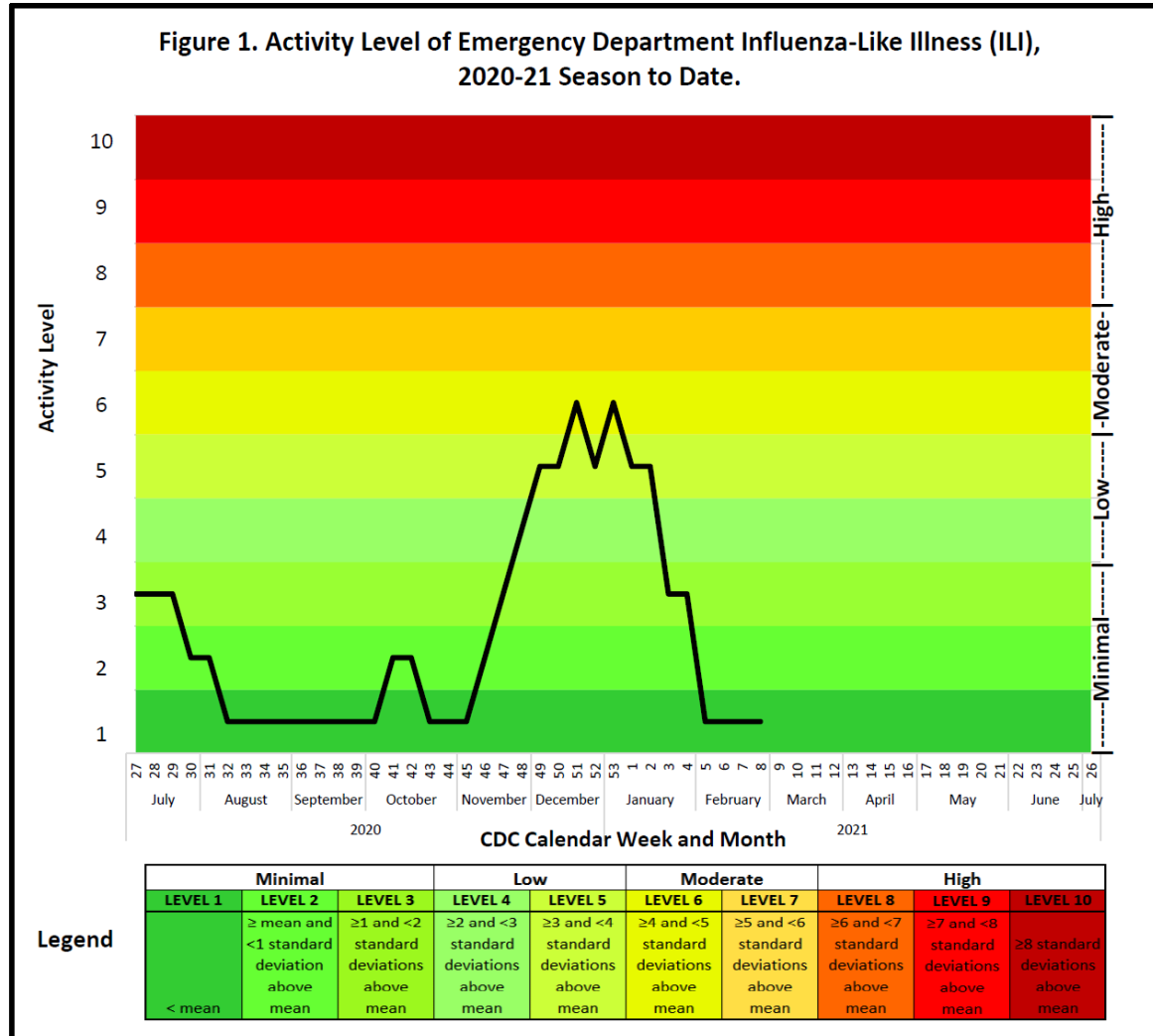
Positive Test Type/Subtype	Week 8	Week 7	Total to Date	Percent to Date
Influenza A, subtype unknown	1	5	339	48.4%
Influenza A (H1N1)pdm09	0	0	0	0.0%
Influenza A (H3)	0	0	0	0.0%
Influenza B, subtype unknown	4	8	359	51.2%
Influenza B/Victoria	0	0	0	0.0%
Influenza B/Yamagata	0	0	0	0.0%
Influenza, type unknown	0	0	3	0.4%
Total	5	13	701	100.0%

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

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Figure 1. Activity Level of Emergency Department Influenza-Like Illness (ILI), 2020-21 Season to Date.



3/3/2021

Preliminary Results

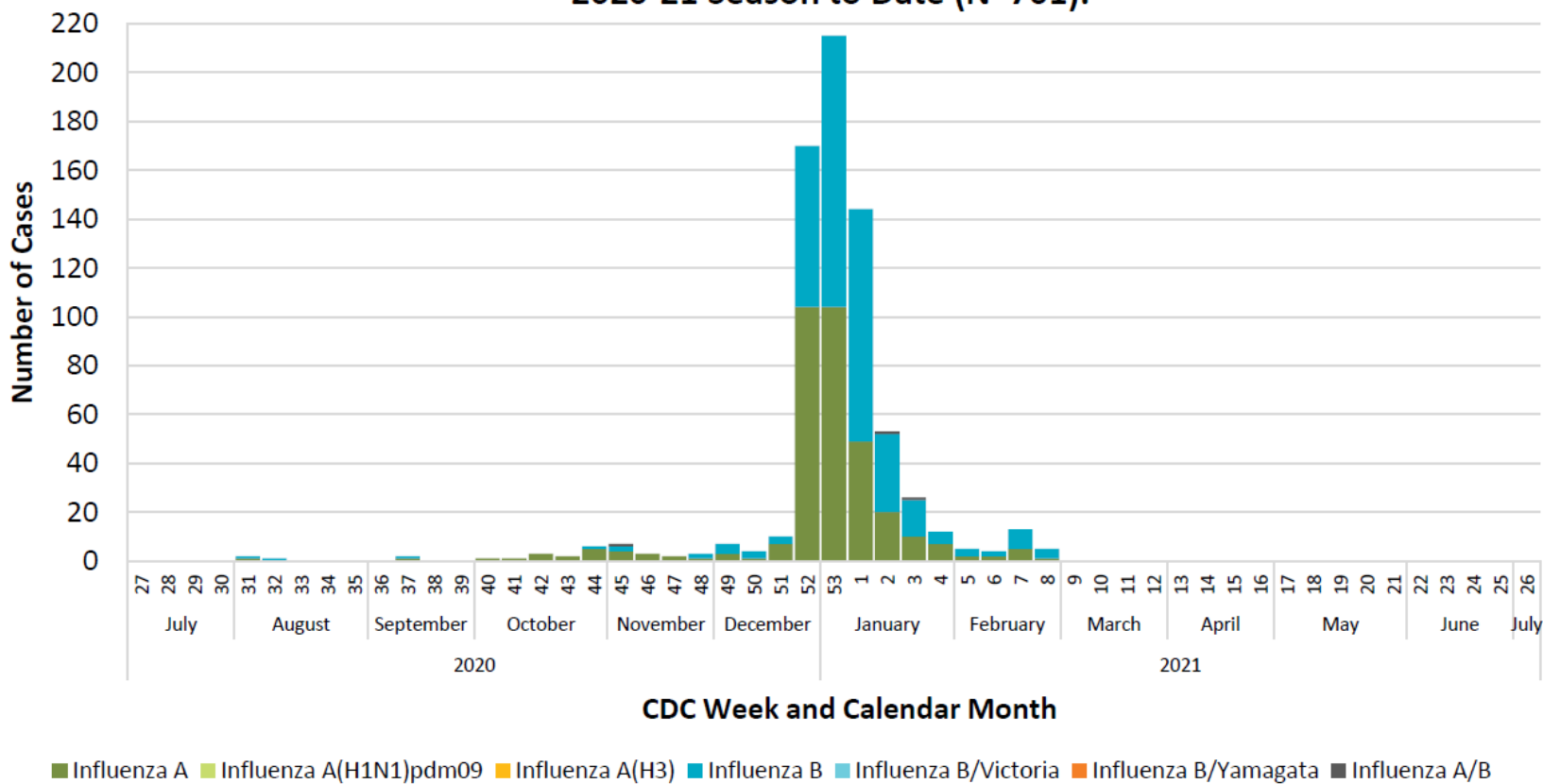
Data Source: Emergency department chief complaint data

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

INFLUENZA SURVEILLANCE UPDATE, 2020-21 YTD



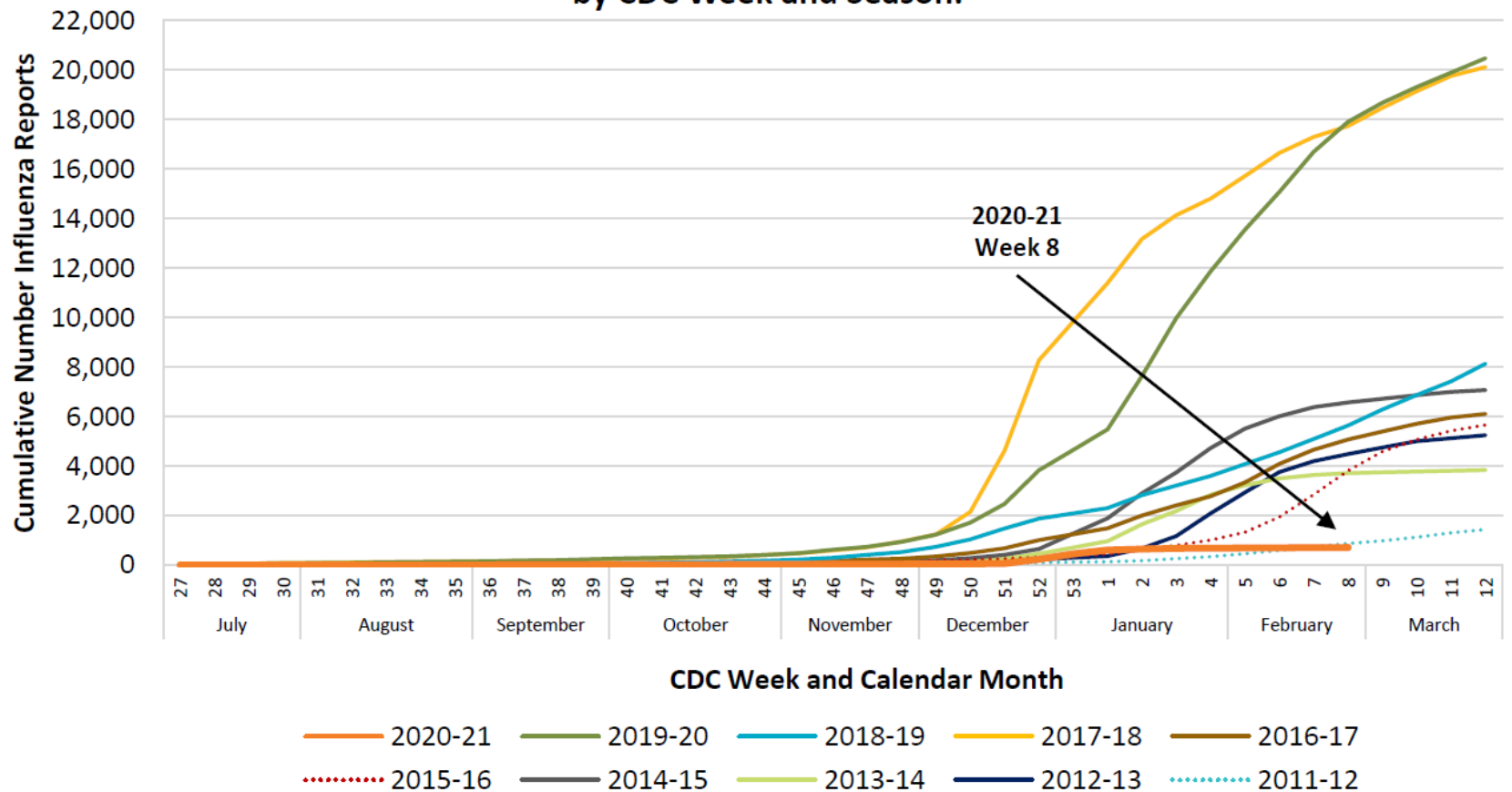
Figure 2. San Diego County Influenza Detections by Type and Week of Report, 2020-21 Season to Date (N=701).



INFLUENZA SURVEILLANCE UPDATE, 2020-21 YTD



Figure 3. Cumulative Influenza Cases Reported by CDC Week and Season.



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

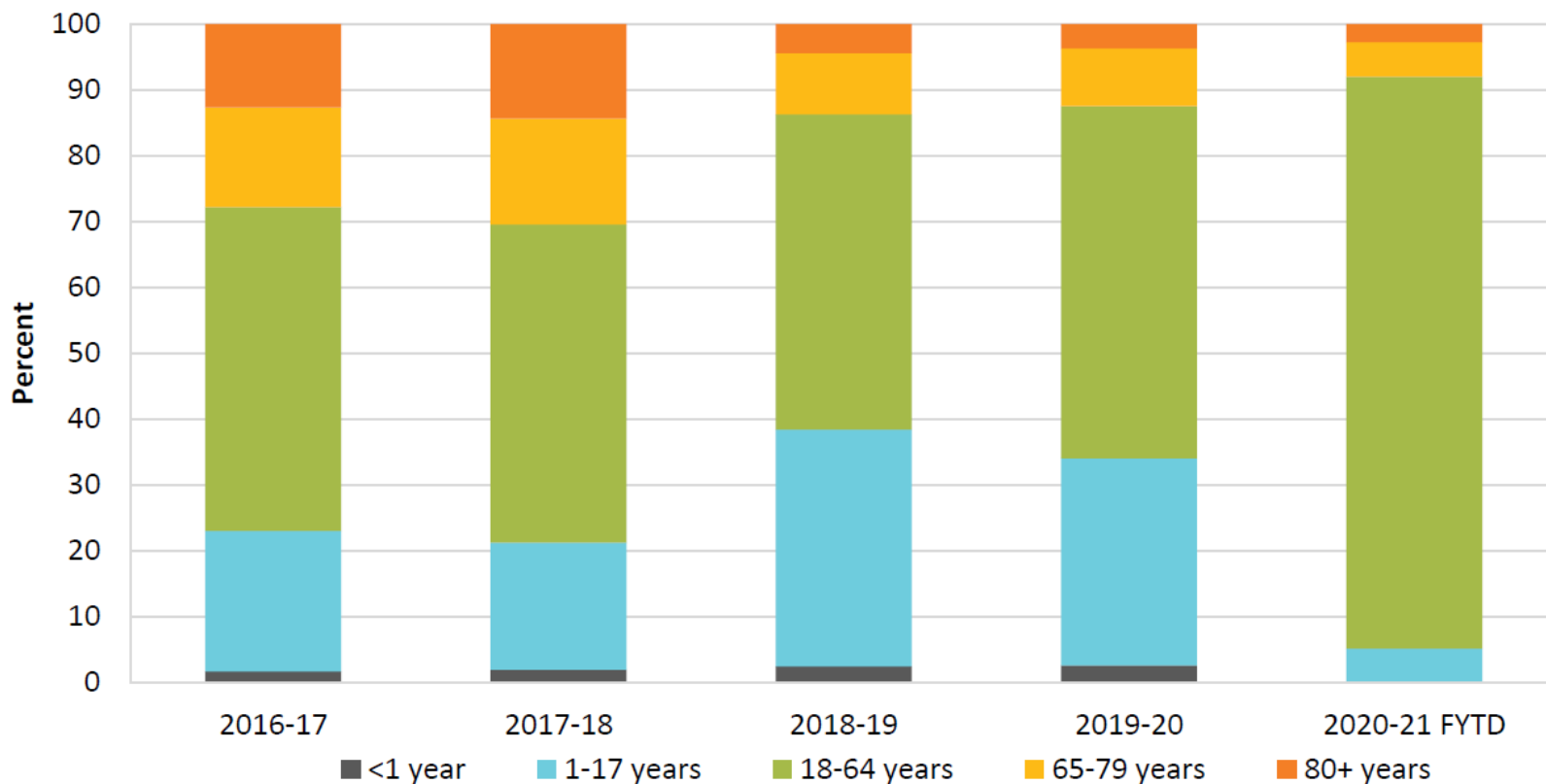
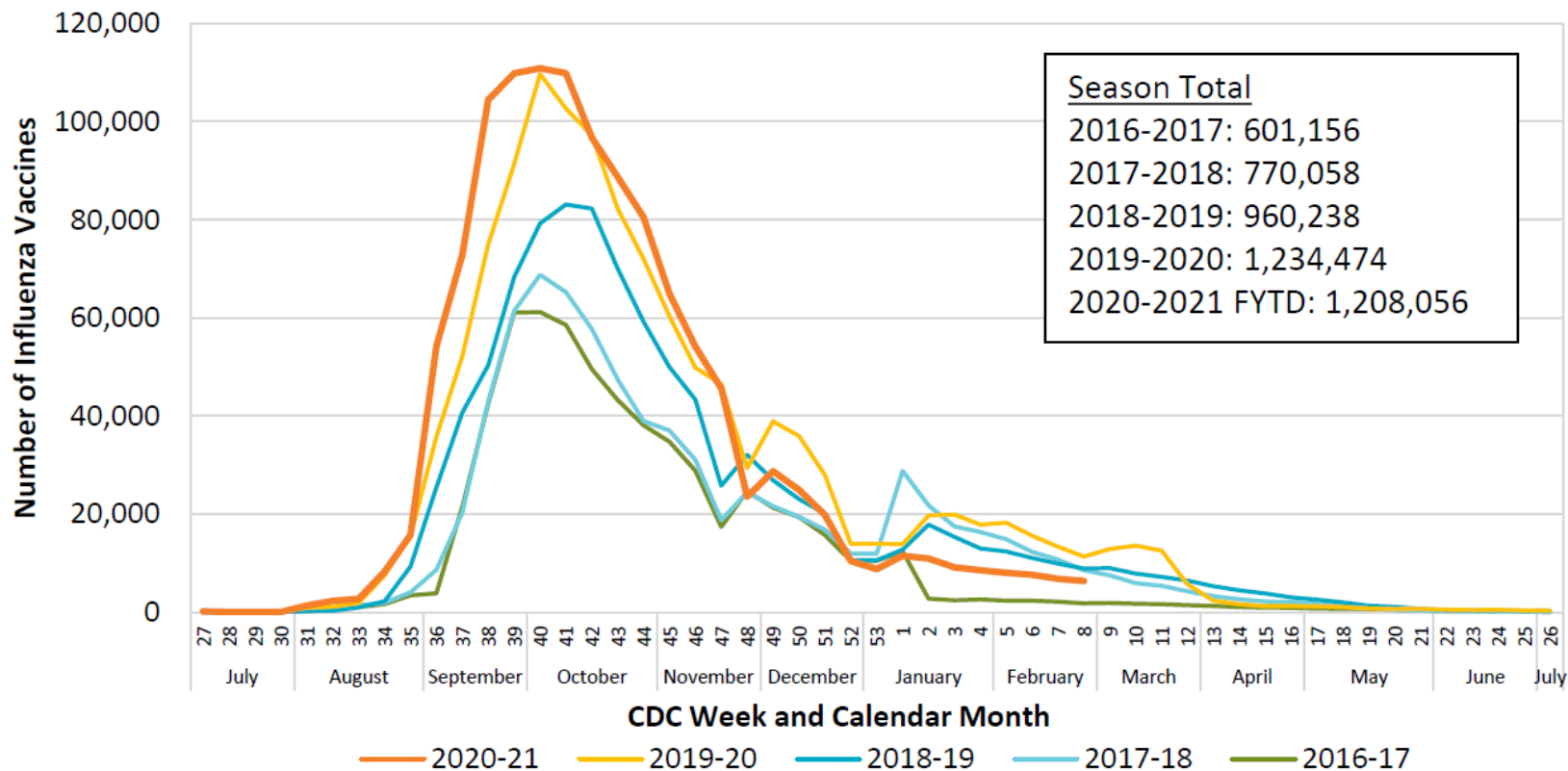




Figure 5. Number of Influenza Vaccinations Administered* by CDC Week and Season.

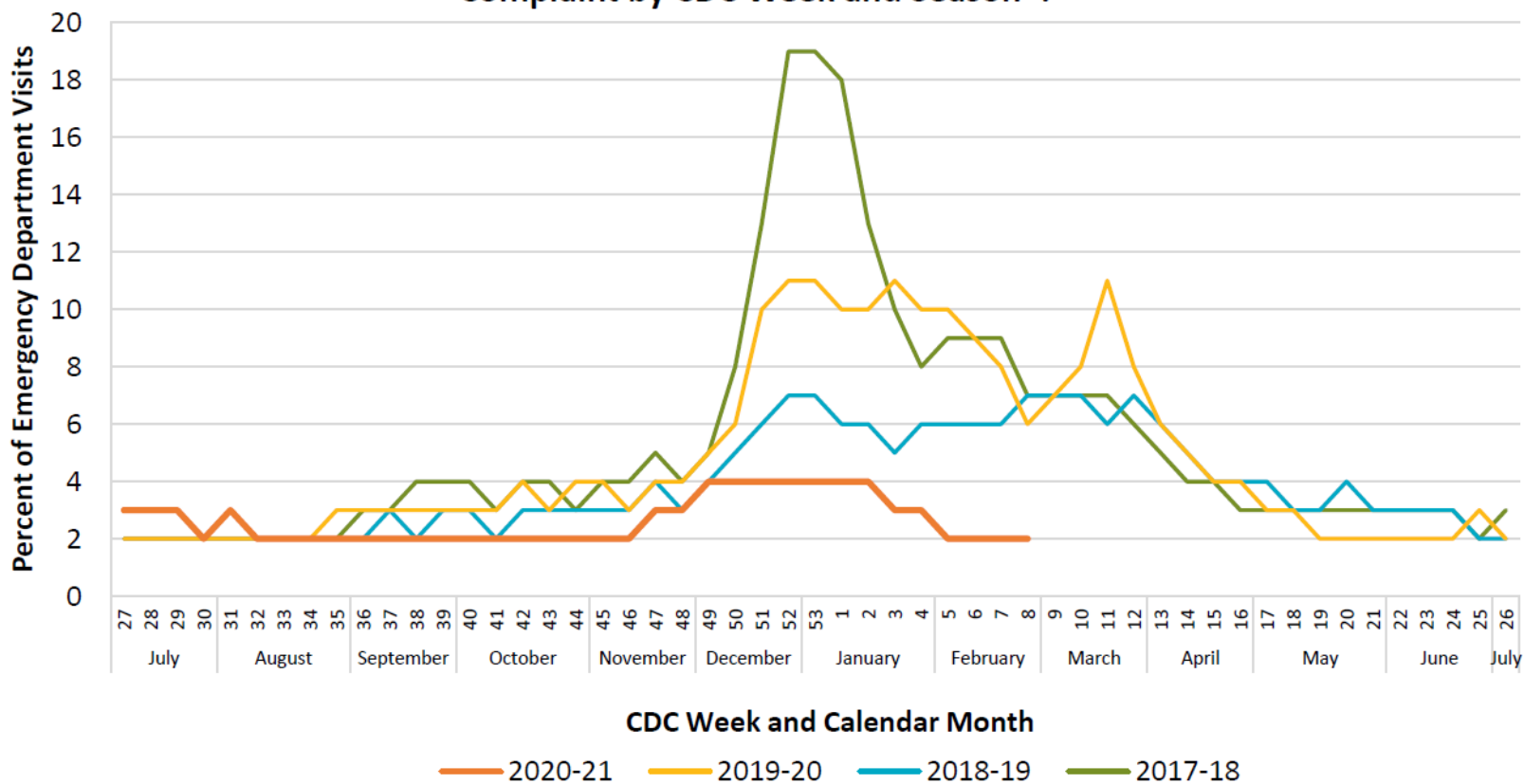


* Influenza vaccinations administered and entered into the San Diego Immunization Registry ([SDIR](#)). Week 52 data are repeated for week 53 for seasons that do not include week 53.

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

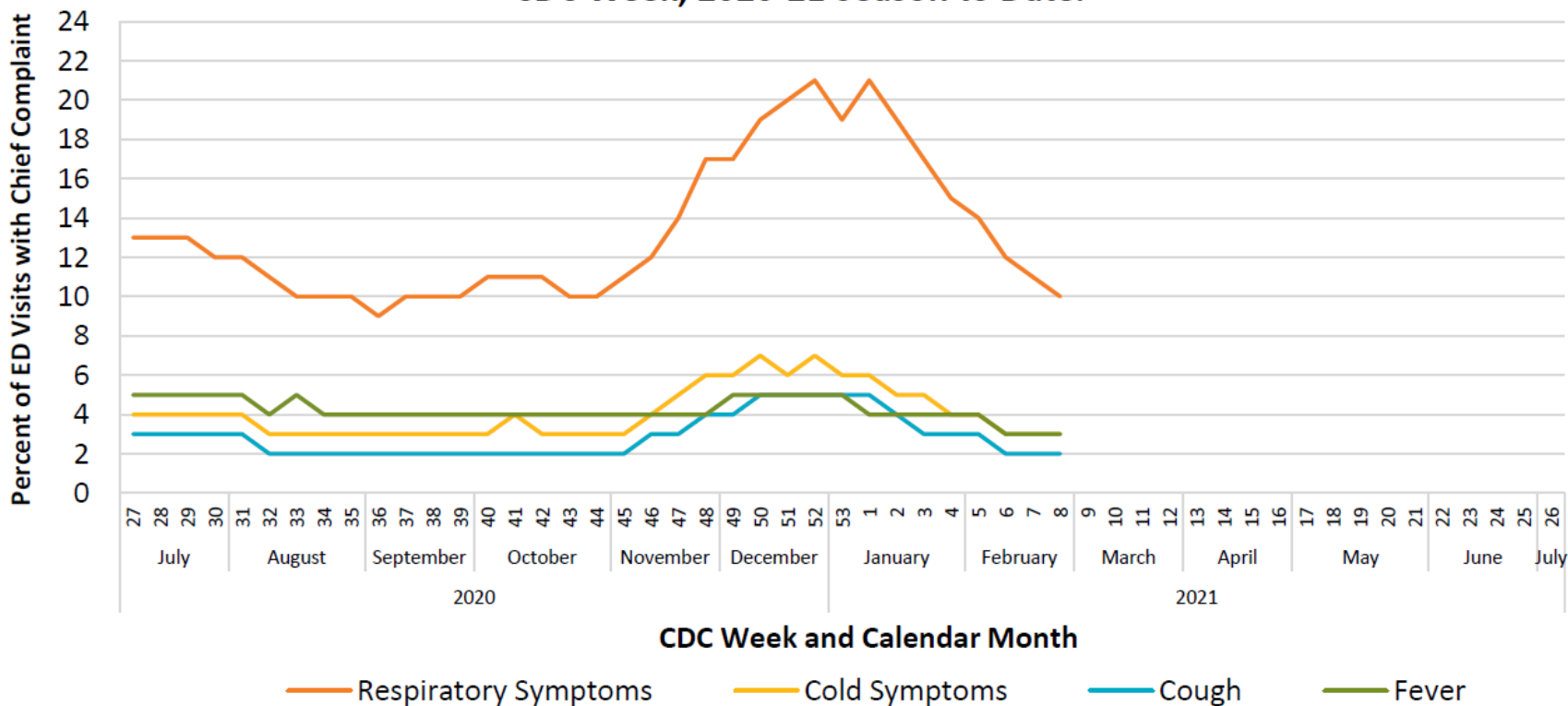


* Week 52 data are repeated for week 53 for seasons that do not include week 53.

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Figure 7. Percent of Emergency Department Visit Chief Complaints for Cough, Cold, Fever, or Respiratory Symptoms* by CDC Week, 2020-21 Season to Date.

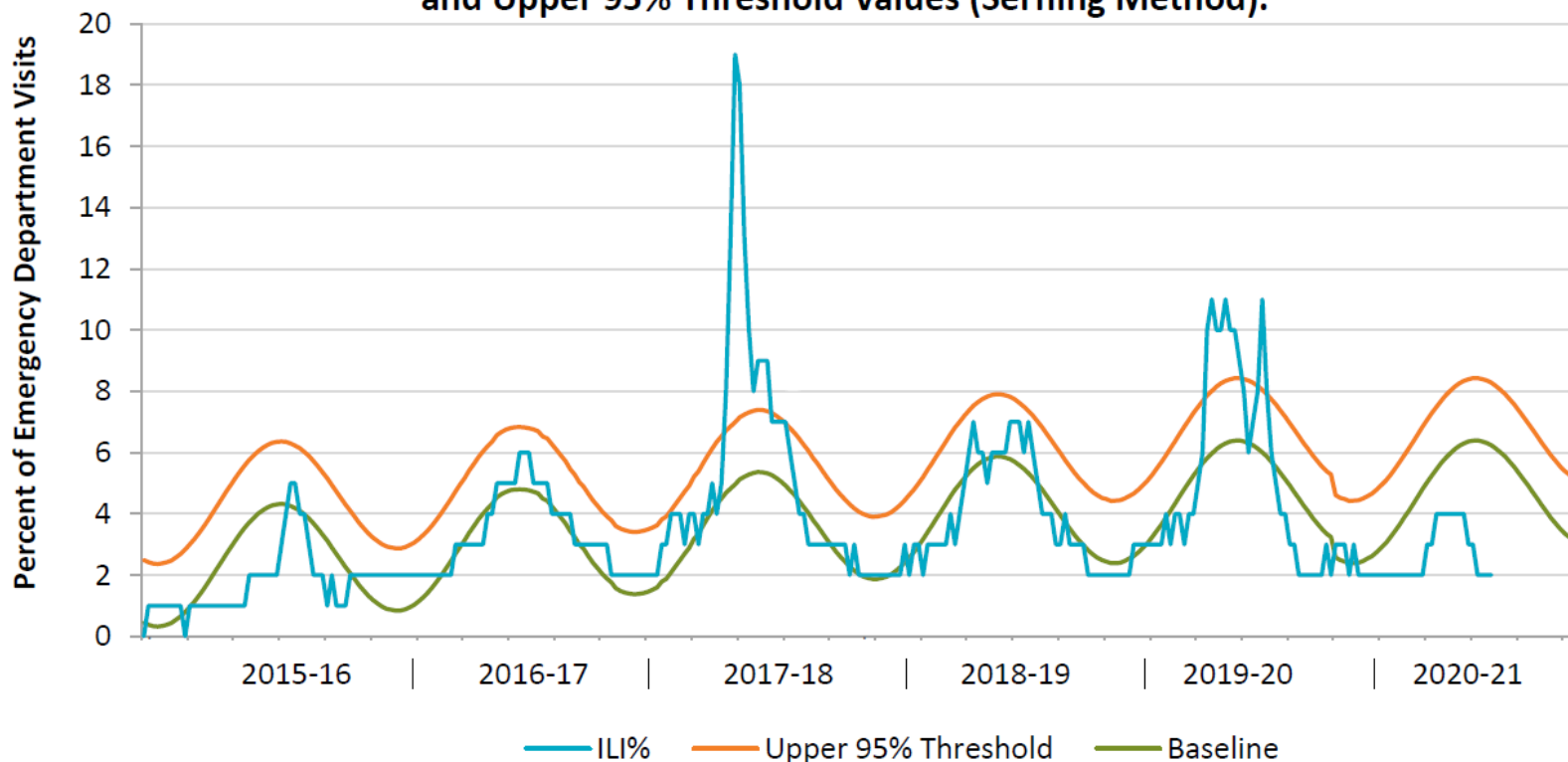


* Respiratory category includes cough, cold symptoms, influenza-like illness, and other respiratory symptoms.

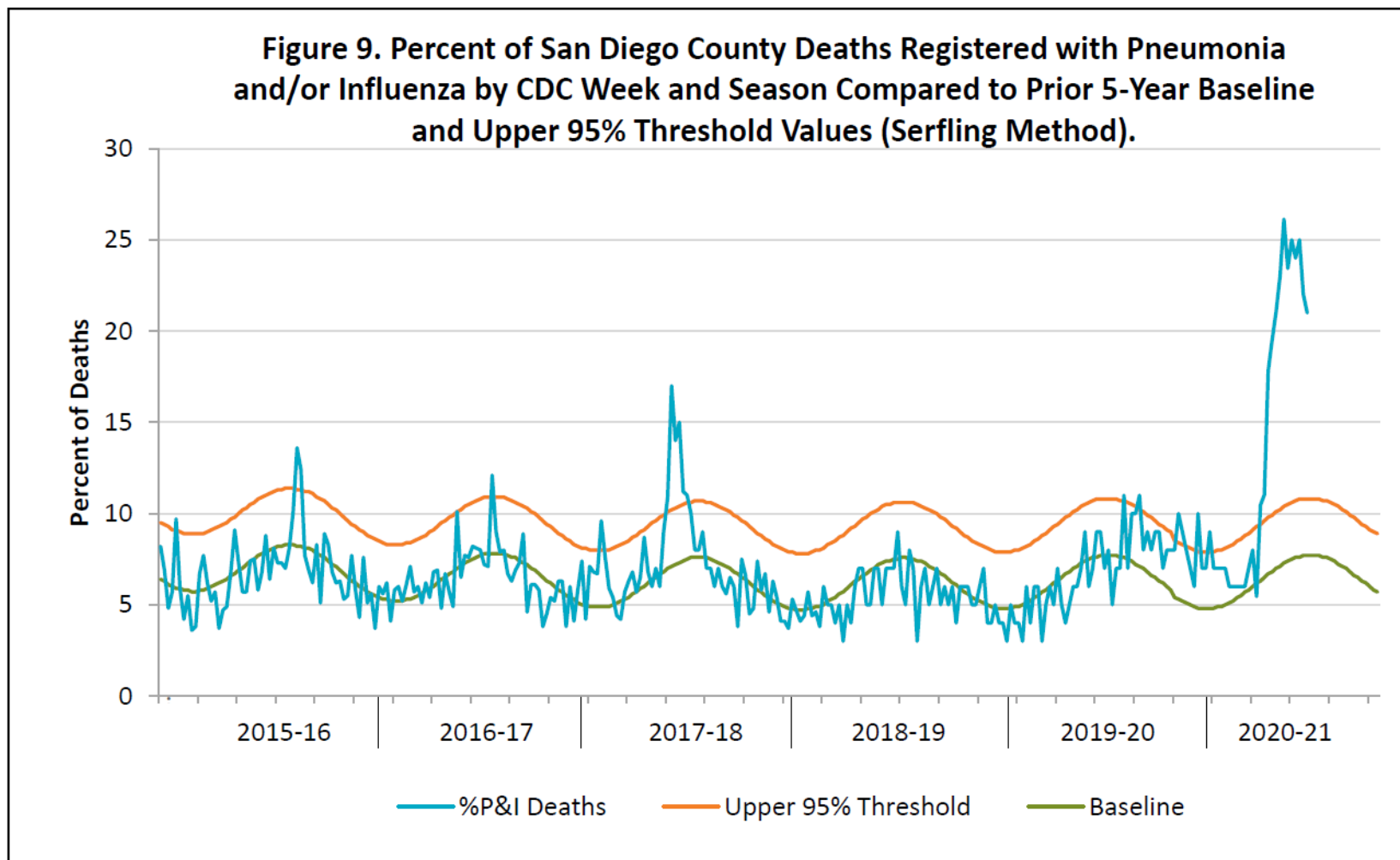
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Figure 8. Percent of San Diego County Emergency Department Visits for Influenza-like Illness by CDC Week and Season Compared to 5-Year Baseline and Upper 95% Threshold Values (Serfling Method).



INFLUENZA SURVEILLANCE UPDATE, 2020-21 YTD



3/3/2021

Preliminary Results

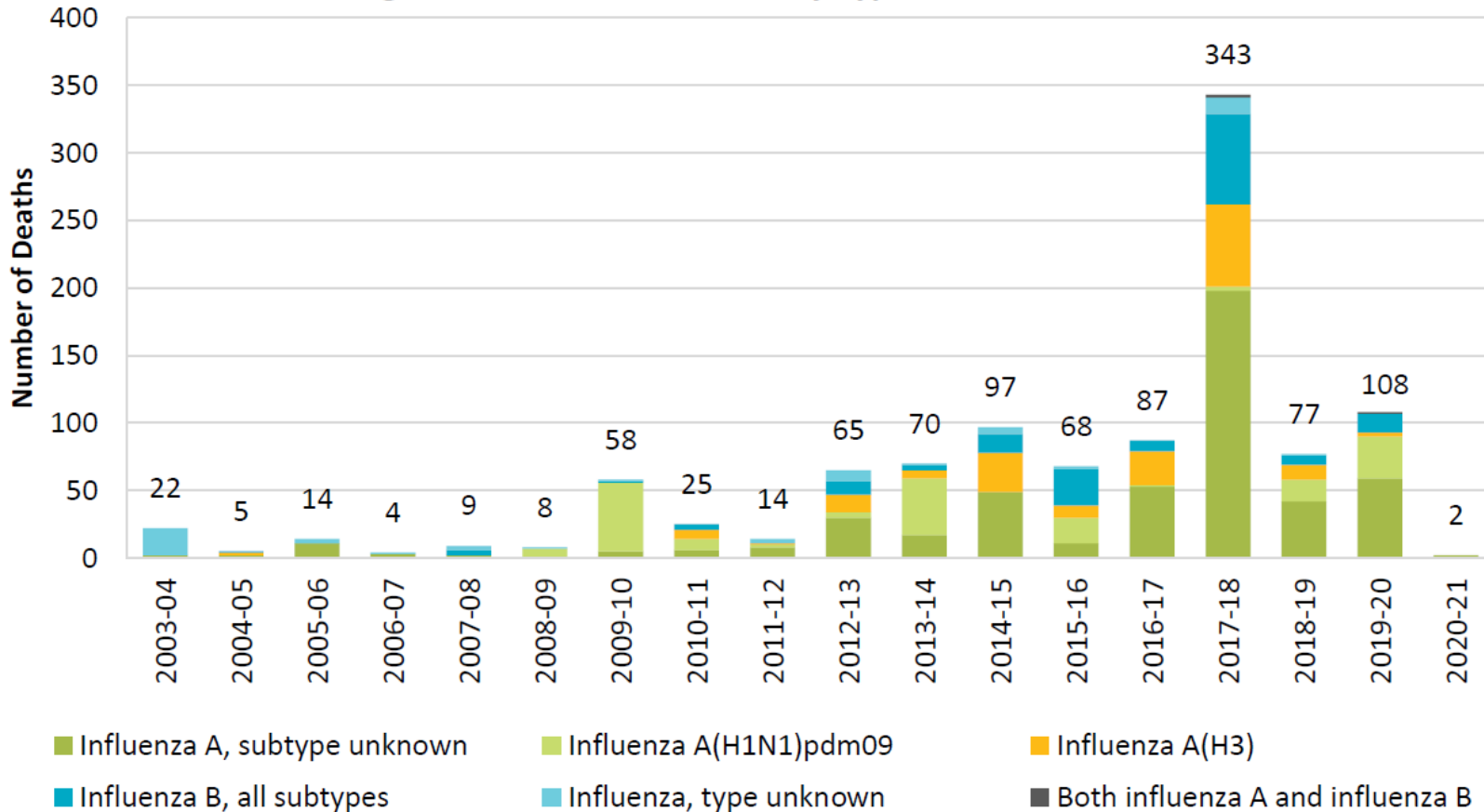
Data Source: Vital Records Information System (VRIS)

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

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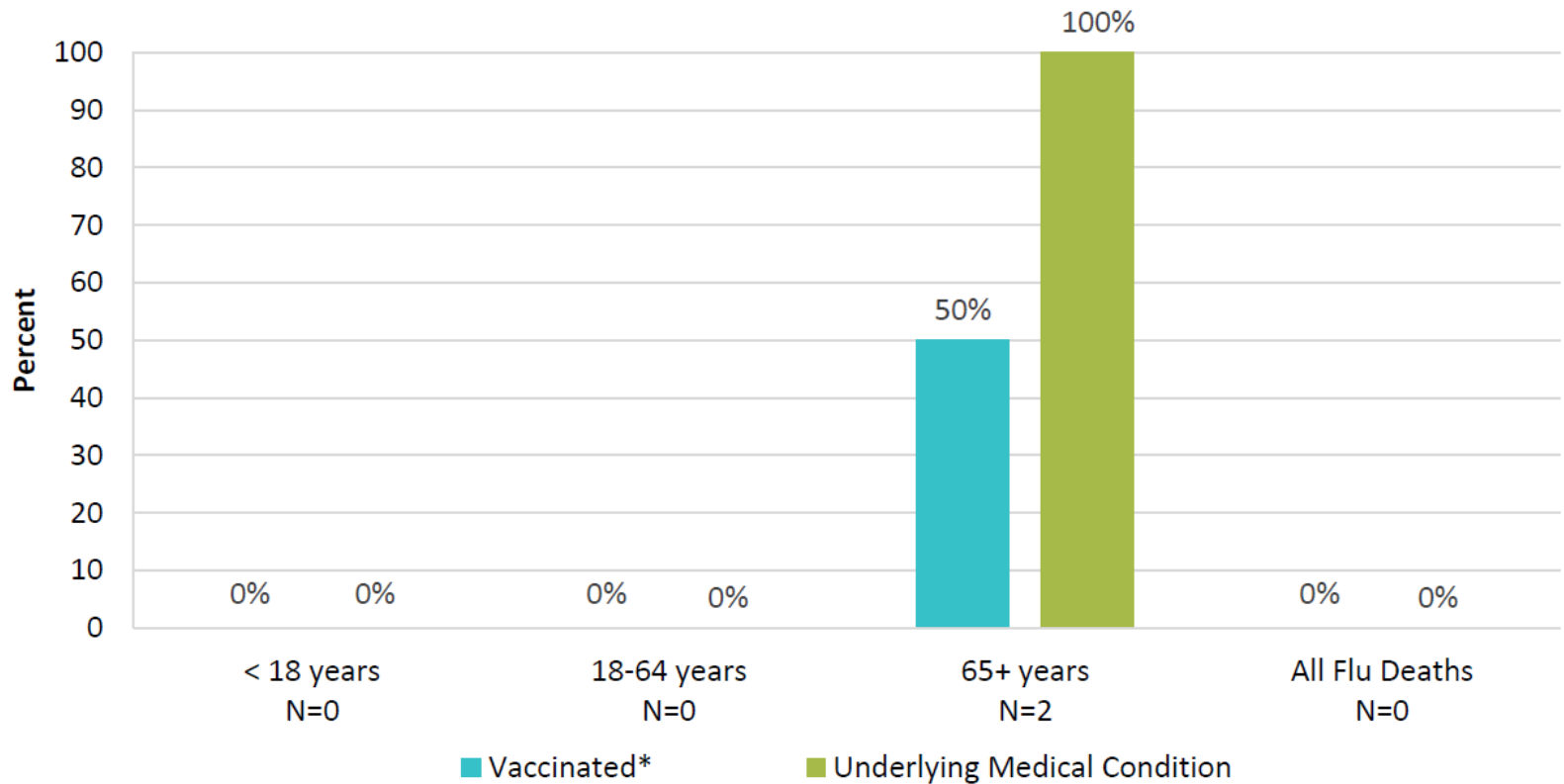
Figure 10. Influenza Deaths by Type and Season.



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Figure 11. Percent of Influenza Deaths by Age Group, Vaccination Status, and Underlying Medical Condition, 2020-21 Season.



* known to be vaccinated



Highly Pathogenic Avian Influenza (HPAI)

Although avian influenza A viruses usually do not infect people, rare cases of human infection with these viruses have been seen. Certain strains of avian influenza A viruses can produce severe illness and death when they infect humans, and these viruses are termed highly pathogenic avian influenza (HPAI).

Infected birds shed avian influenza virus in their saliva, mucous, and feces. Person-to-person spread of avian influenza A viruses has been reported very rarely, and when it has been reported it has been limited, inefficient, and not sustained.

HPAI Asian lineage H5N1 viruses have generally been responsible for most serious human illnesses and highest mortality. So far in 2020-2021, some H5N1, but mostly H5N8, have been the HPAI strains that have infected poultry and wild birds across many countries throughout Europe and Asia. On February 20, 2021, [Russia reported the first known H5N8 avian flu infections](#) in humans in seven poultry workers.

The Centers for Disease Control and Prevention ([CDC](#)) currently recommends a neuraminidase inhibitor for treatment of human infection with avian influenza A viruses. Seasonal influenza vaccination will not prevent infection with avian influenza A viruses but can reduce the risk of co-infection with human and avian influenza A viruses.