



# San Diego County Respiratory Virus Surveillance Report

Prepared by Epidemiology and Immunization Services Branch

[www.sdepi.org](http://www.sdepi.org)

November 21, 2024

## COVID-19

Cases

19,124

Deaths

169

Outbreaks\*

146

6/30/2024 – 11/16/2024

## Influenza

Cases

1,432

Deaths

7

Outbreaks\*

1

6/30/2024 – 11/16/2024

## RSV

Cases

203

Deaths

0

Outbreaks\*

0

6/30/2024 – 11/16/2024

\*In residential congregate settings

### Report Content Links

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- Page 3: [COVID-19, Influenza, and RSV Cases by Episode Week, Fiscal Year-to-Date](#)
- Page 4: [Cumulative COVID-19, Influenza, and RSV Cases](#)
- Page 5: [COVID-19 and Influenza Hospital Census](#)
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**Data are preliminary and may change due to delayed reporting and additional information obtained during investigations.**

Most data in this report are presented by fiscal year, which runs July 1–June 30. Because data are also presented by CDC disease week, which runs Sunday–Saturday, we start the data for 2024-25 on June 30, 2024.

The purpose of the **Respiratory Virus Surveillance Report** is to summarize current COVID-19, RSV, and influenza surveillance in San Diego County. Additional information on COVID-19, RSV, and influenza reporting, resources, data sources, and definitions can be found in the [Supplemental Information](#) document. A link to subscribe to this report is available via the Epidemiology Unit [website](#).

Visit the Respiratory Viruses Data and Reports [website](#) and the COVID-19 in San Diego County [website](#) to see additional data.

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# Respiratory Virus Surveillance Report

Data through 11/16/2024



LIVE WELL  
SAN DIEGO

## COVID-19, Influenza, and RSV Fiscal Year-to-Date Overview

Table 1. Respiratory Surveillance Indicators

Indicator	2024-25 Fiscal Year			2023-24 Fiscal Year			Prior Years Average*		
	Week 46	Total To Date	Week 45	Week 46	Total To Date	FY Total	Week 46	Total To Date	FY Total
% P&I deaths <sup>†</sup>	6%		4%	5%			6%		
<b>CASES</b>									
COVID-19 <sup>‡</sup>	208	19,124	165	1,027	23,299	48,907	3,547	73,089	276,451
Influenza	223	1,432	114	442	1,929	19,035	603	2,648	13,301
RSV	48	203	40	302	1,222	5,918	199	1,493	3,541
<b>DEATHS<sup>§</sup></b>									
COVID-19	3	169	3	9	140	363	18	378	1,508
Influenza	1	7	0	0	5	60	1	3	44
RSV	0	0	0	0	2	24	0	1	12
<b>HOSPITALIZATIONS<sup>¶</sup></b>									
COVID-19	Data not currently available.								
Influenza									
<b>OUTBREAKS<sup>#</sup></b>									
COVID-19	0	146	2	12	218	488	17	177	508
Influenza	0	1	0	0	1	32	1	2	23
RSV	0	0	0	0	2	10	0	1	3
<b>SYNDROMIC SURVEILLANCE</b>									
% ED CLI**	2%		2%	3%			3%		
% ED ILI <sup>††</sup>	3%		3%	4%			4%		
% Resp General	15%		15%	18%			16%		

FY 2024-25 is 6/30/2024 - 6/28/2025, Weeks 27-26. Previous weeks' case counts or percentages may change due to delayed processing or reporting.

\*Includes FYs 2019-20, 2020-21, 2021-22, 2022-23, and 2023-24 for influenza and 2020-21, 2021-22, 2022-23, and 2023-24 for COVID-19 and RSV.

<sup>†</sup>The percentage of deaths registered with pneumonia or influenza listed as a cause of death.

<sup>‡</sup>Confirmed and probable COVID-19 cases.

<sup>§</sup>Current FY deaths are shown by week of report; prior FY deaths are shown by week of death.

<sup>¶</sup>The number of patients admitted to an inpatient bed who had laboratory-confirmed COVID-19 or laboratory-confirmed influenza virus infection at the time of admission. COVID-19 admissions data are available starting August 2020, while influenza admissions data are available starting November 2020. As a result, totals to date and FY totals for prior years average are unavailable. Starting 11/2/2023, these data are based on new hospital admissions and reflect a change from the census data shown in previous reports. Census data can be found on page 5 of this report and on our [COVID-19 Highlights dashboard](#).

<sup>#</sup>See the [Supplemental Information](#) document for outbreak definitions. Includes only outbreaks occurring in skilled nursing facilities and other residential congregate settings.

\*\*COVID-like Illness (CLI) includes fever and cough, shortness of breath, or difficulty breathing OR coronavirus diagnostic codes.

<sup>††</sup>Influenza-like illness (ILI) includes fever plus cough and/or sore throat.

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# Respiratory Virus Surveillance Report



## COVID-19, Influenza, and RSV Cases by CDC Episode Week, \* 2024-25 Fiscal Year-to-Date

Figure 1.1. San Diego County **COVID-19** Confirmed and Probable Cases (N=19,124)

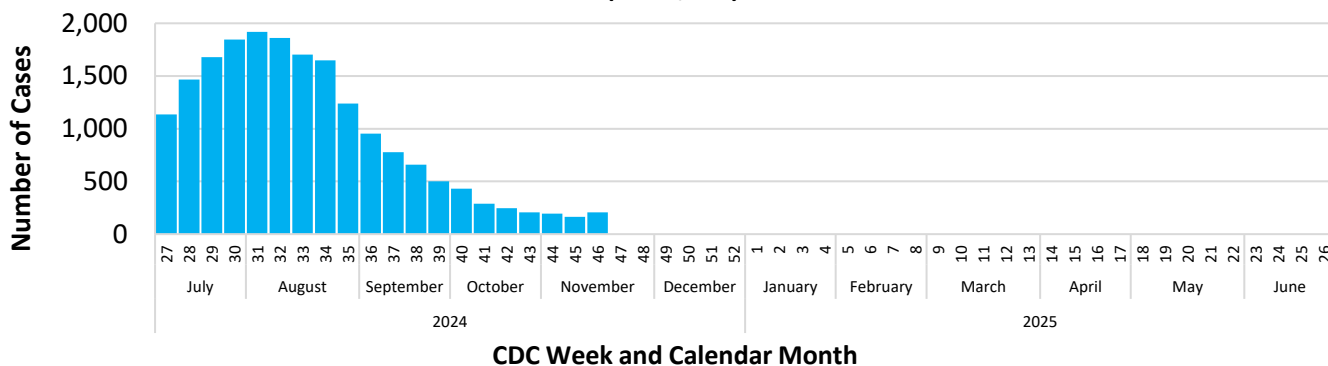


Figure 1.2. San Diego County **Influenza** Cases (N=1,432)

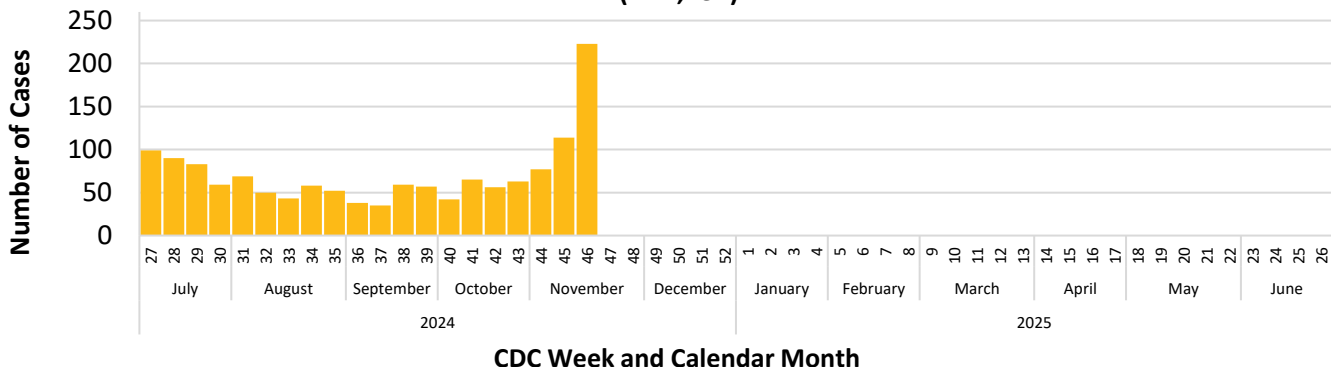
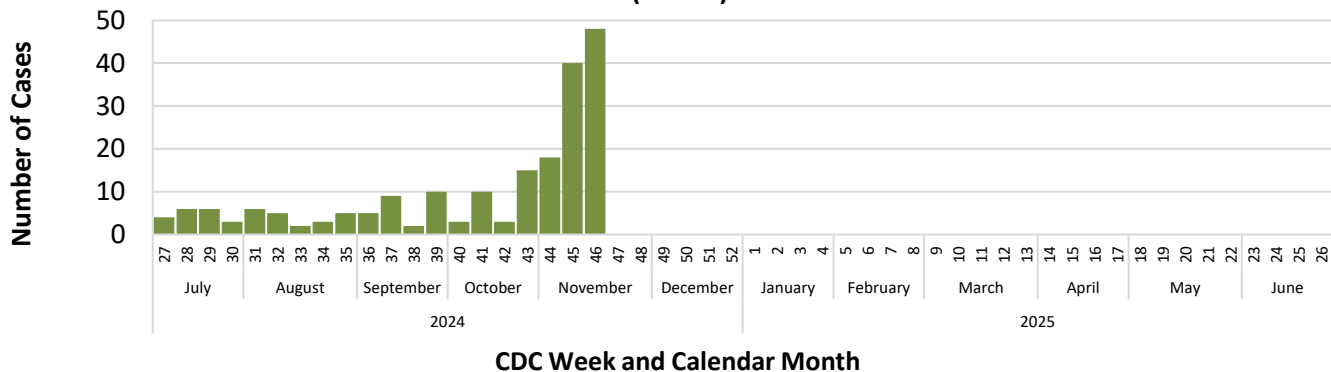


Figure 1.3. San Diego County **RSV** Cases (N=203)



\*Episode date is the earliest available of symptom onset date, specimen collection date, date of death, date reported. Data for the most recent week may be incomplete.



# Respiratory Virus Surveillance Report



## Cumulative COVID-19, Influenza, and RSV Cases by CDC Episode Week\* and Fiscal Year

2024-25    2023-24    2022-23    2021-22    2020-21

Figure 2.1. Cumulative COVID-19 Confirmed and Probable Cases

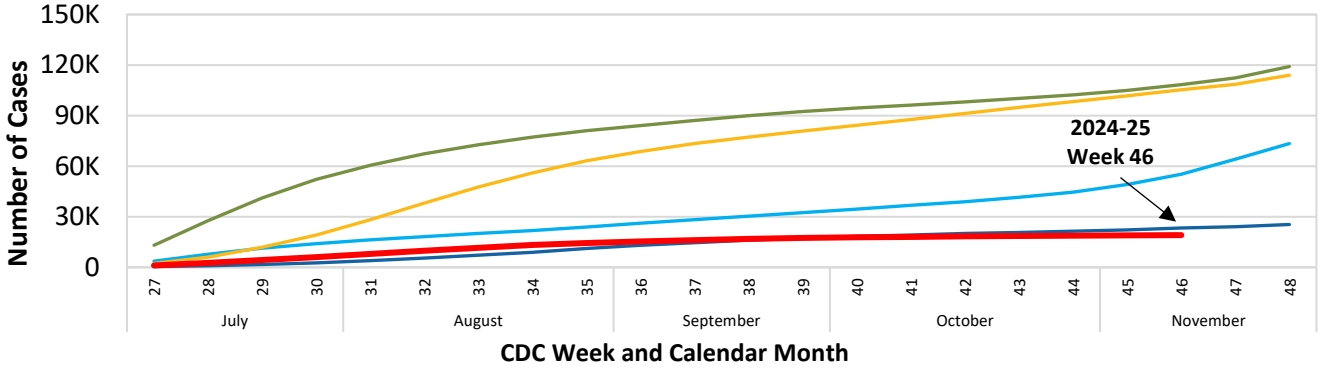


Figure 2.2. Cumulative Influenza Cases

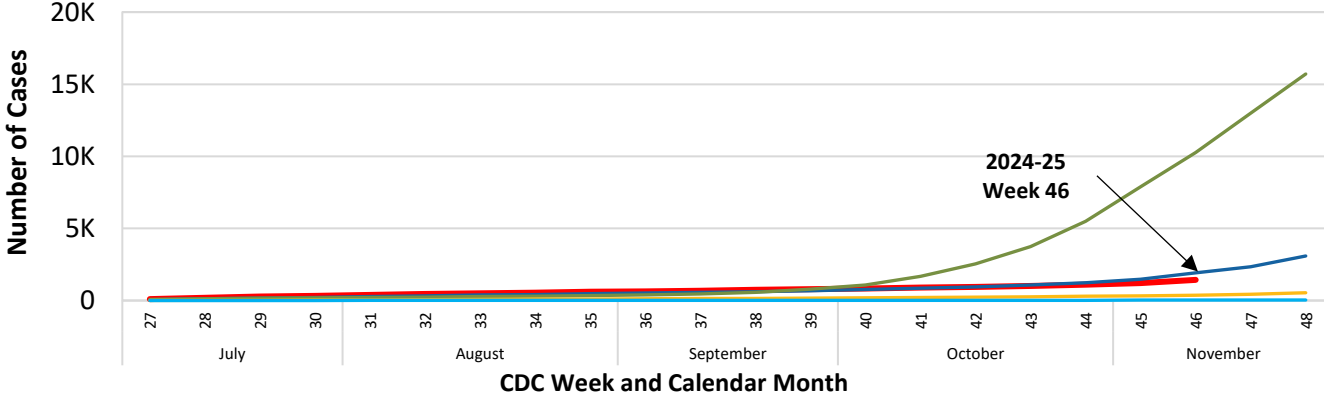
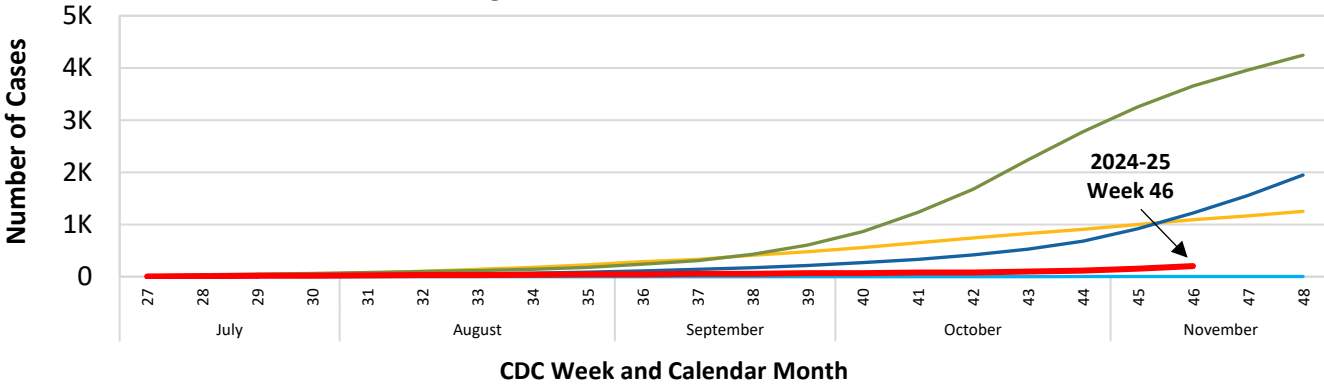


Figure 2.3. Cumulative RSV Cases



\*Episode date is the earliest available of symptom onset date, specimen collection date, date of death, date reported. Data for the most recent week may be incomplete.

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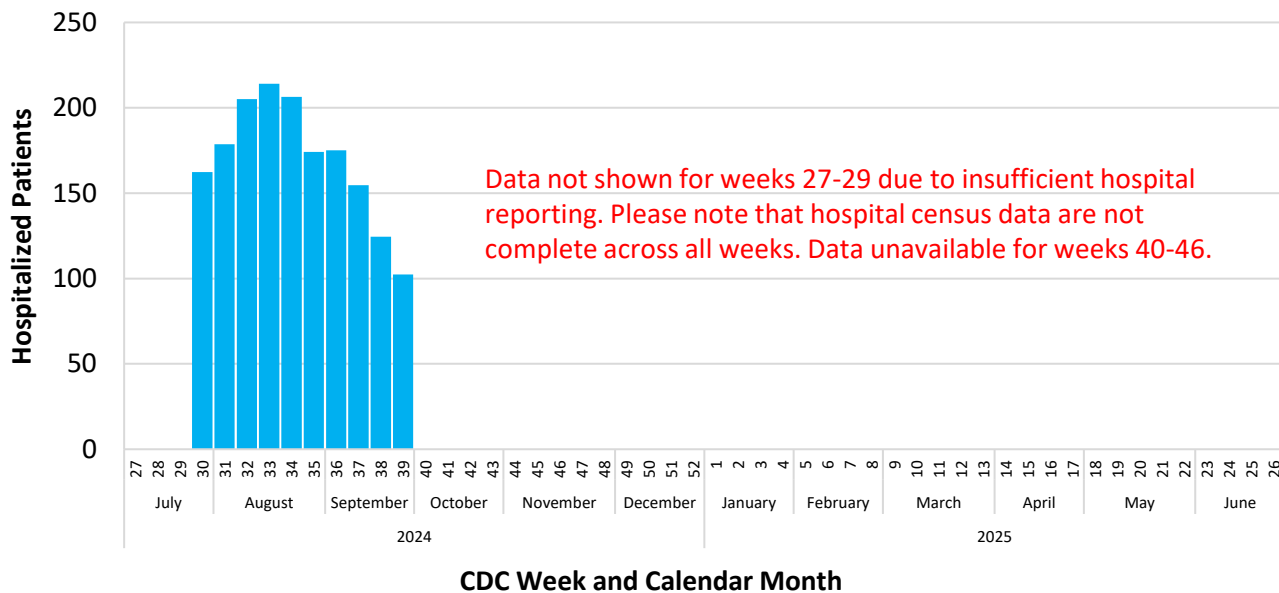


# Respiratory Virus Surveillance Report

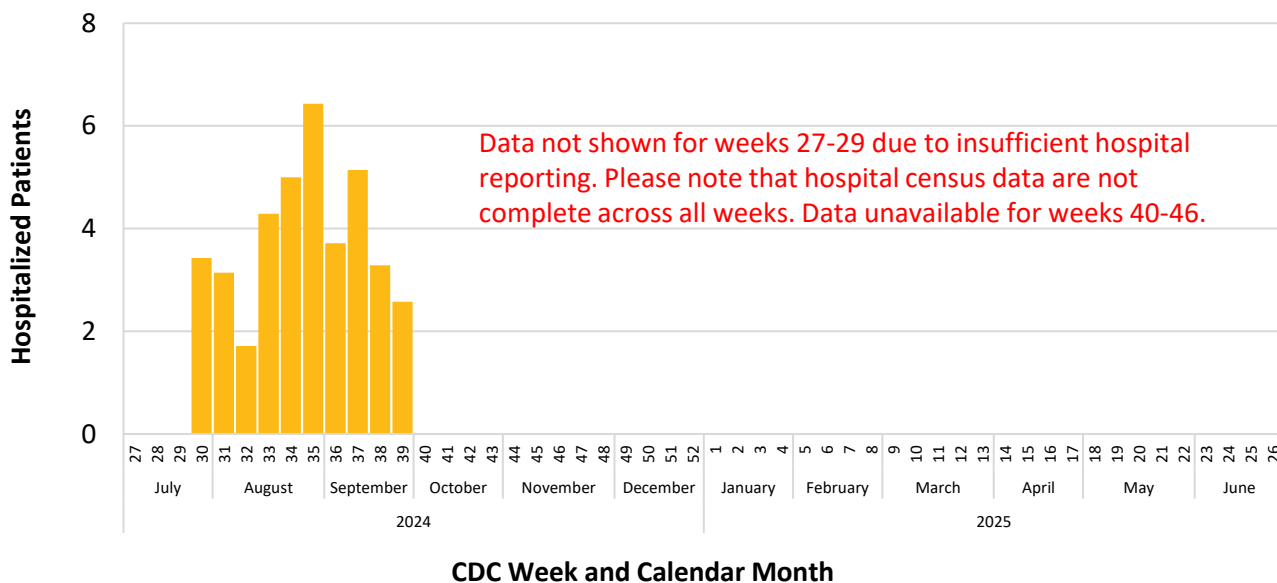


## COVID-19 and Influenza Hospital Census

**Figure 3. COVID-19-Positive Hospitalized Patients, Weekly Average Census,\* San Diego County**



**Figure 4. Influenza-Positive Hospitalized Patients, Weekly Average Census,\* San Diego County**



\*Calculated by taking the 7-day daily average census for the week.

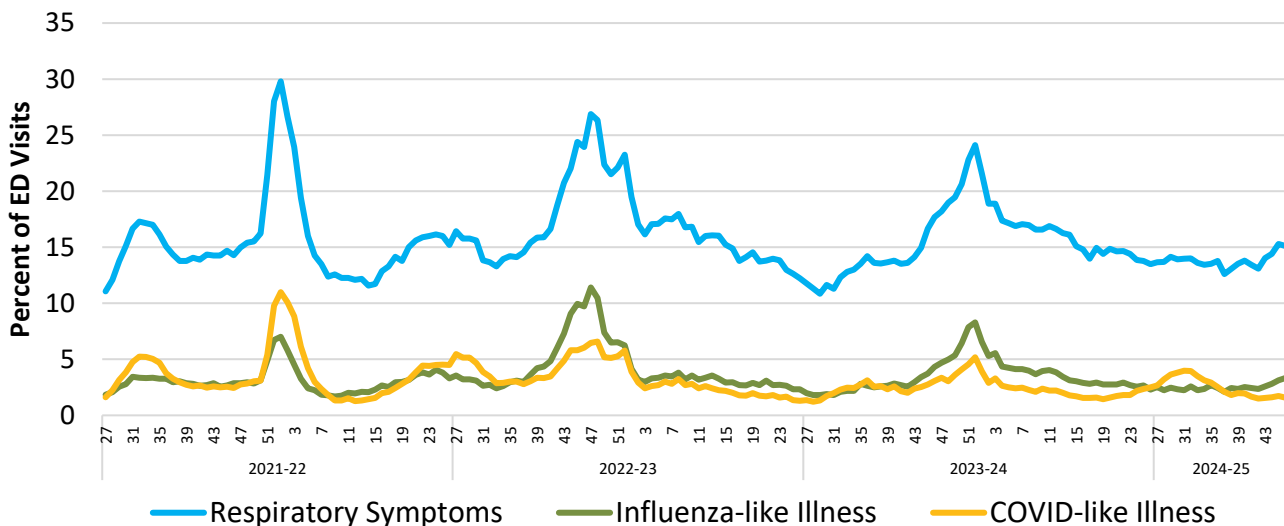


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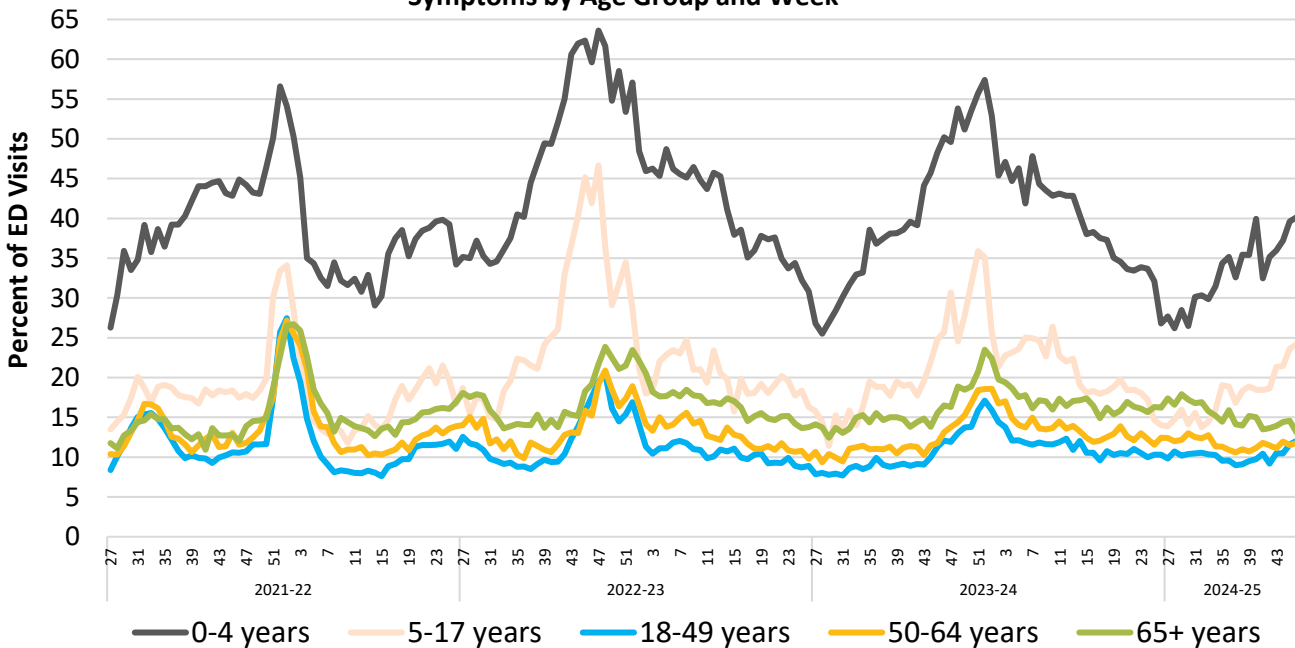


## Emergency Department Data: Respiratory Symptoms

**Figure 5. Percent of Emergency Department Visit Chief Complaints for ILI,<sup>†</sup> Respiratory Symptoms, or COVID-like Illness\* by Week**



**Figure 6. Percent of Emergency Department Visit Chief Complaints for Respiratory Symptoms by Age Group and Week**



\*COVID-like Illness (CLI) includes fever and cough, shortness of breath, or difficulty breathing OR coronavirus diagnostic codes.

<sup>†</sup>Influenza-like illness (ILI) includes fever plus cough and/or sore throat.

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# Respiratory Virus Surveillance Report



## Proportion of Cases by Age Group and Episode Month, 2024-25 Fiscal Year-to-Date

■ 0-4 yrs ■ 5-17 yrs ■ 18-49 yrs ■ 50-64 yrs ■ 65+ yrs

Figure 7. Proportion of COVID-19 Cases

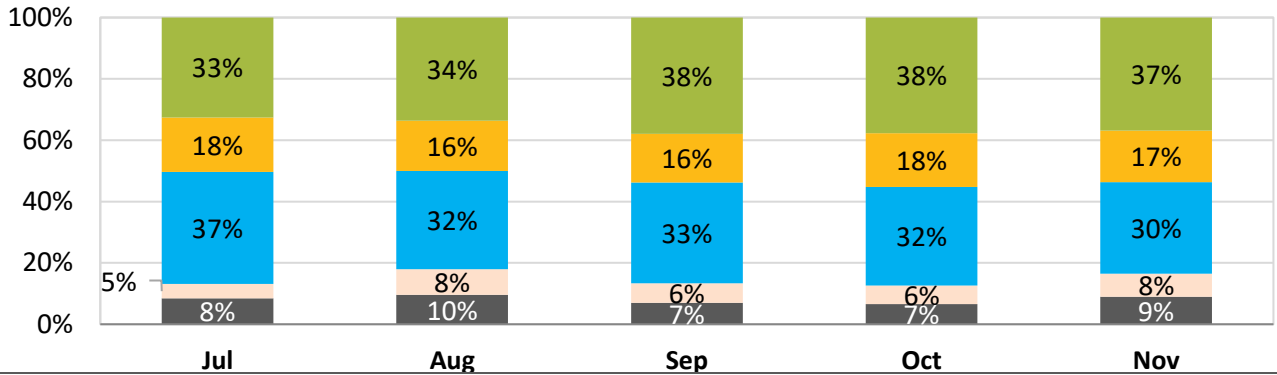


Figure 8. Proportion of Influenza Cases

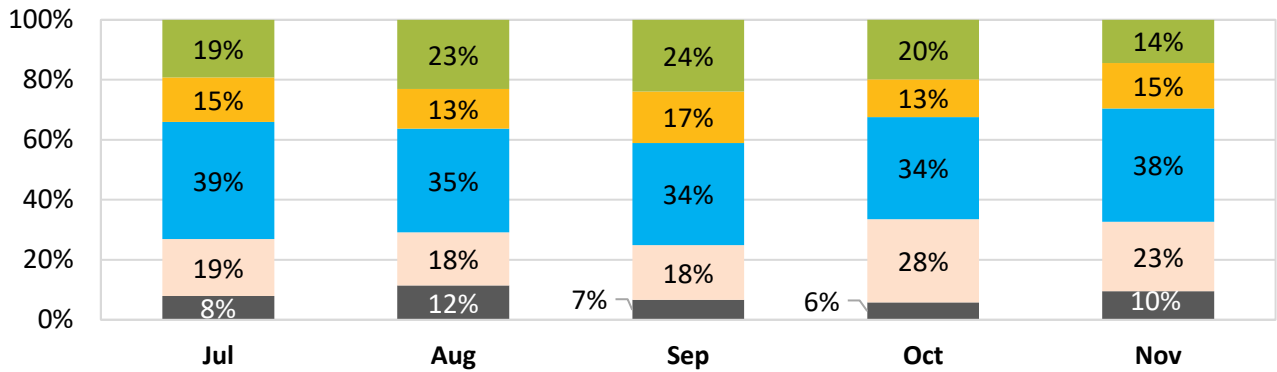
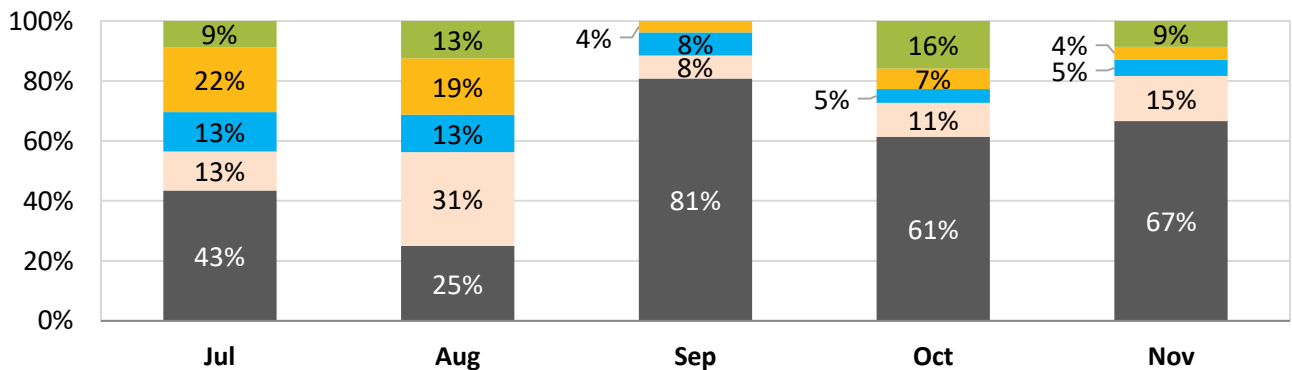


Figure 9. Proportion of RSV Cases



Episode date is the earliest available of symptom onset date, specimen collection date, date of death, date reported. Date admitted is not known for all hospitalizations; information may be updated as case investigations proceed.

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# Respiratory Virus Surveillance Report



## Proportion of Cases by Age Group and Fiscal Year

■ 0-4 yrs ■ 5-17 yrs ■ 18-49 yrs ■ 50-64 yrs ■ 65+ yrs

Figure 10. Proportion of **COVID-19** Cases by Age Group and Fiscal Year

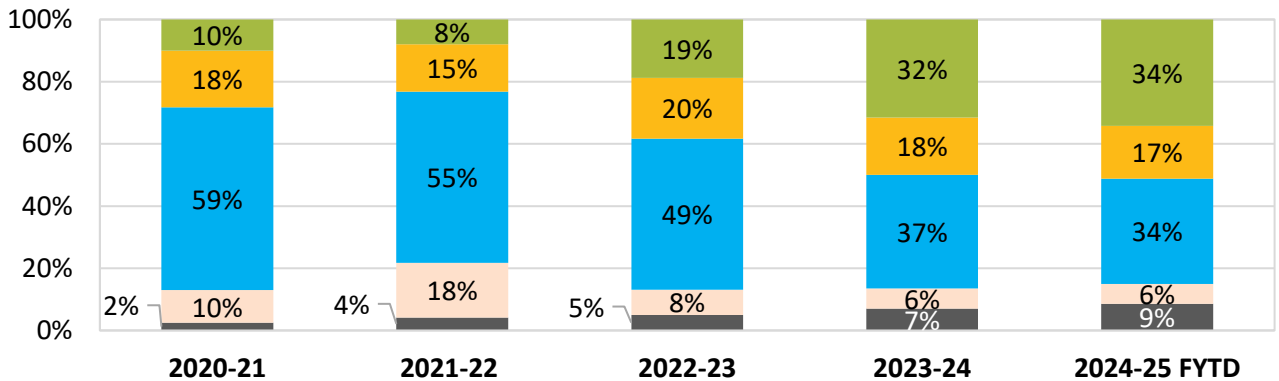


Figure 11. Proportion of **Influenza** Cases by Age Group and Fiscal Year

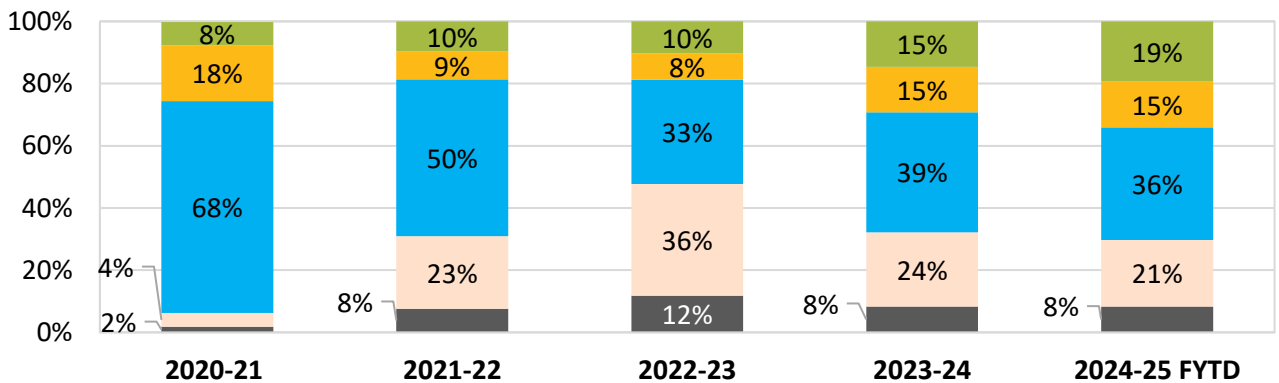
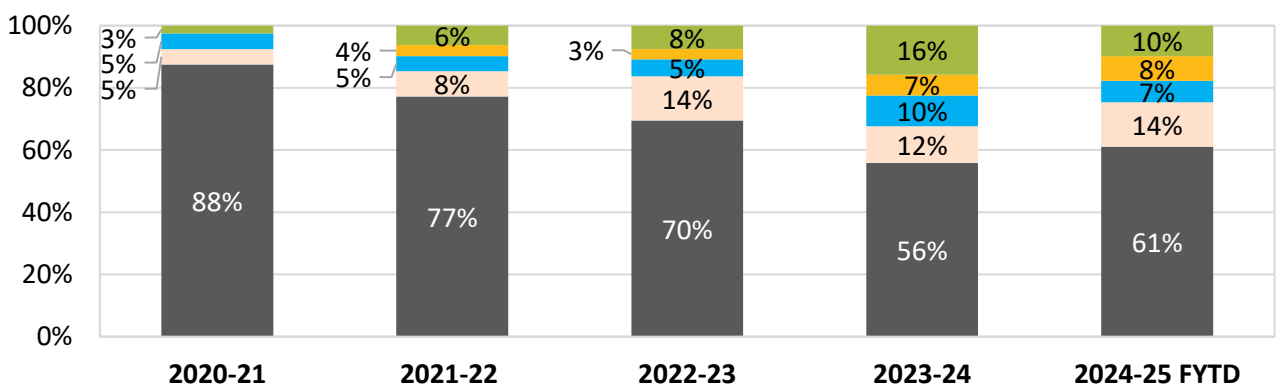


Figure 12. Proportion of **RSV** Cases by Age Group and Fiscal Year





# Respiratory Virus Surveillance Report



## COVID-19, Influenza, and RSV Positivity

— 2024-25 — 2023-24 — 2022-23 — 2021-22 — 2020-21

Figure 13. COVID-19 Positivity by Week of Specimen Collection and Fiscal Year

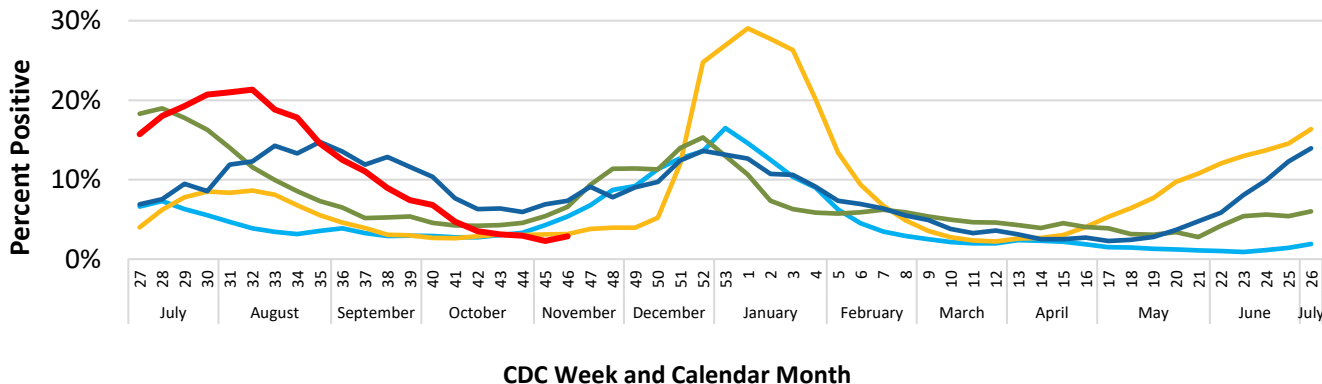


Figure 14. Influenza Positivity by Week of Specimen Collection and Fiscal Year

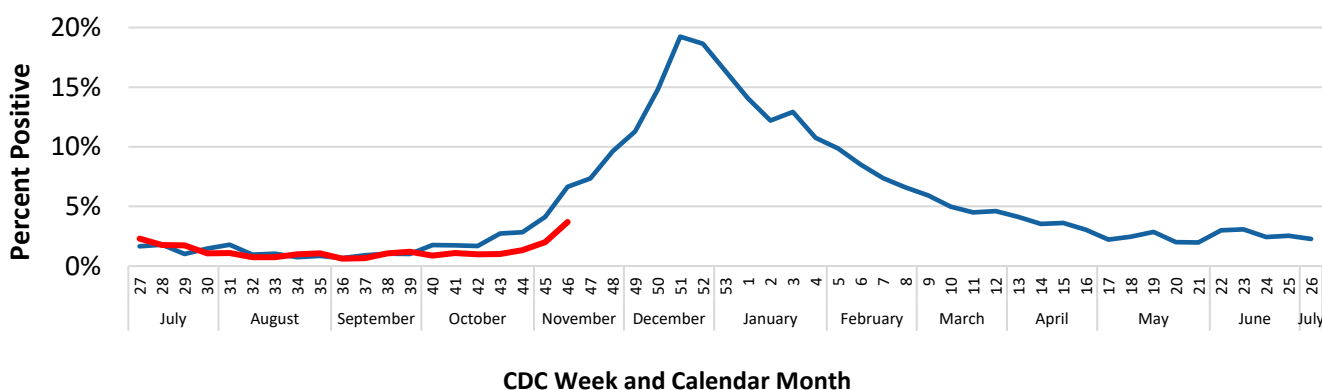
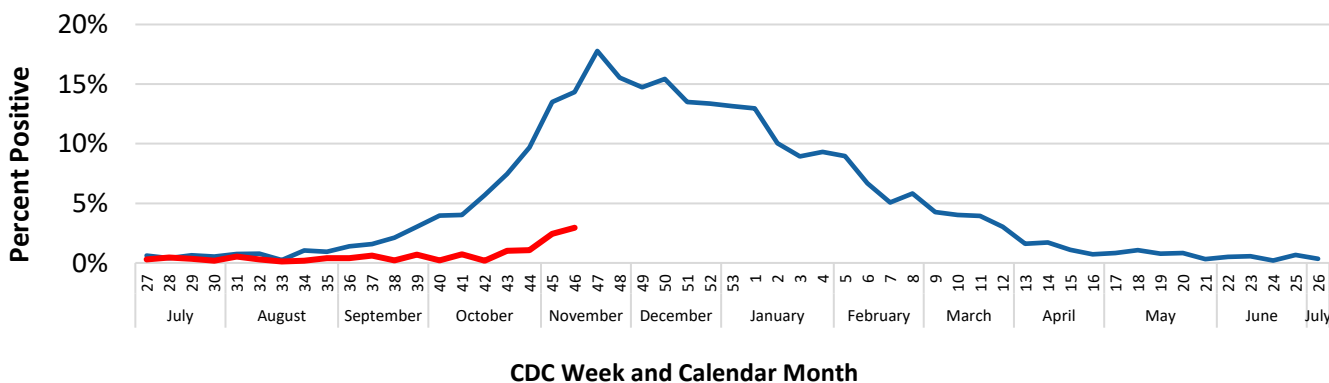


Figure 15. RSV Positivity by Week of Specimen Collection and Fiscal Year

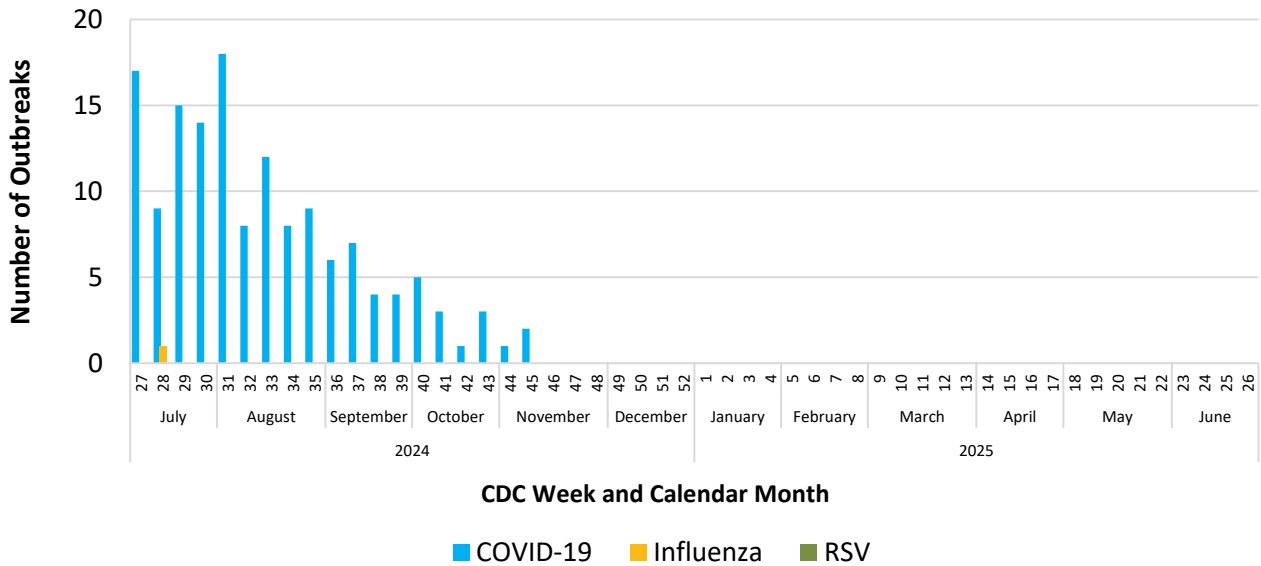


# Respiratory Virus Surveillance Report



## COVID-19, Influenza, and RSV Outbreaks in Residential Congregate Settings\*

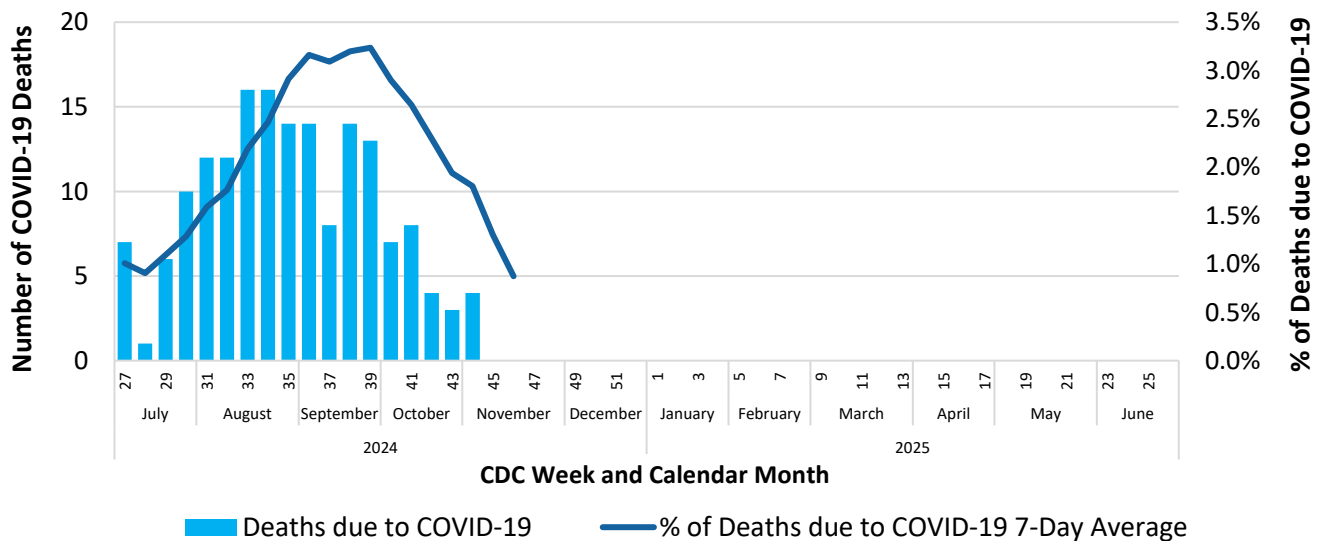
Figure 16. COVID-19, Influenza, and RSV Outbreaks by Week of Onset



\*Includes skilled nursing facilities, assisted living facilities, group homes, correctional facilities, homeless shelters.

## Percent of Total Deaths Associated with COVID-19

Figure 17. Percent of Total Deaths Associated with COVID-19



# Respiratory Virus Surveillance Report



## COVID-19, Influenza, and RSV Deaths by Age and Fiscal Year

■ 0-4 yrs ■ 5-17 yrs ■ 18-49 yrs ■ 50-64 yrs ■ 65+ yrs

Figure 18. COVID-19 Deaths by Age and Fiscal Year

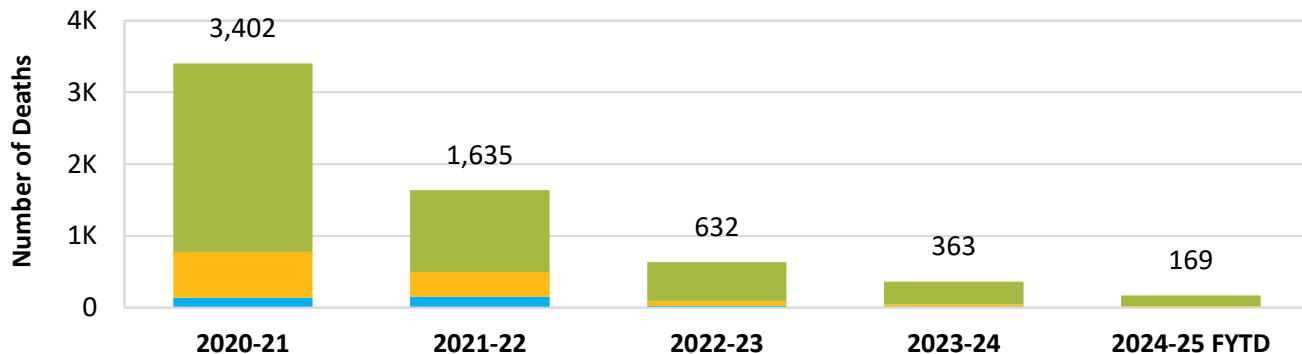


Figure 19. Influenza Deaths by Age and Fiscal Year

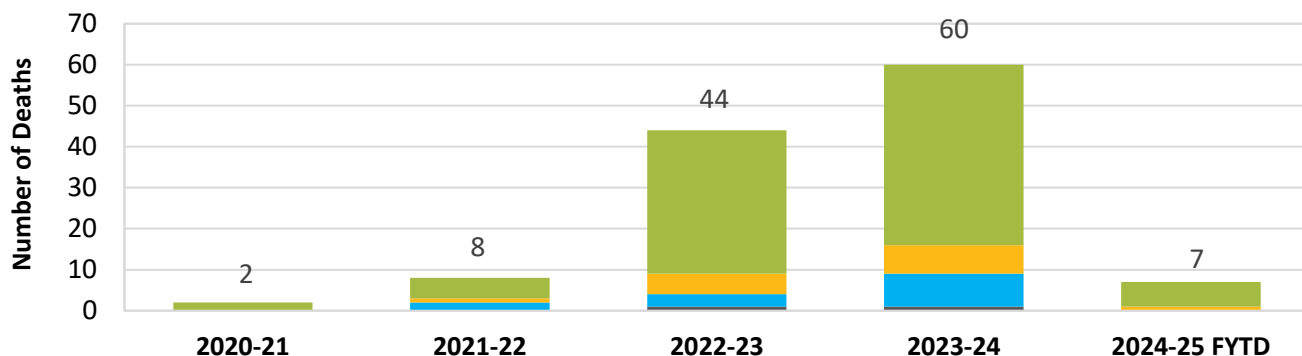
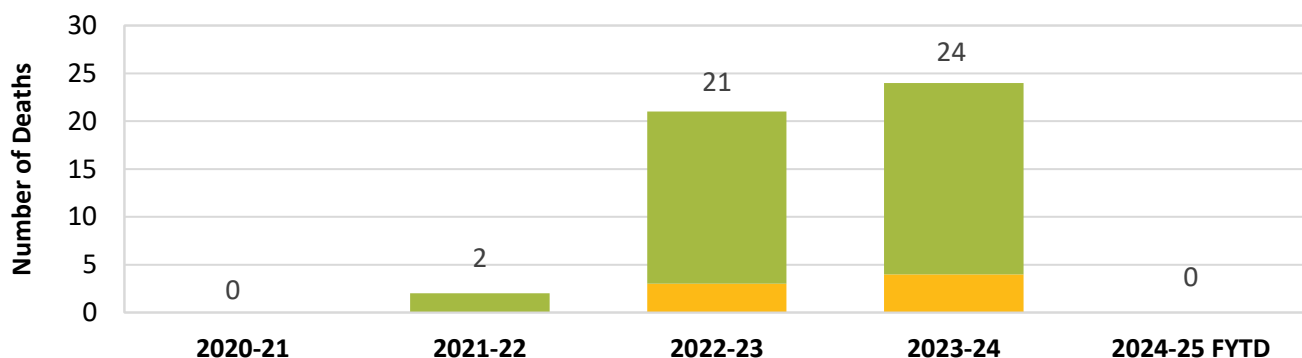


Figure 20. RSV Deaths by Age and Fiscal Year



# Respiratory Virus Surveillance Report



**Table 2. Summary of Deaths, Fiscal Year-to-Date**

	COVID-19 Deaths	Influenza Deaths	RSV Deaths
<b>Age</b>			
0-4 years	0 (0.0%)	0 (0.0%)	0 (0.0%)
5-17 years	0 (0.0%)	0 (0.0%)	0 (0.0%)
18-49 years	7 (4.1%)	0 (0.0%)	0 (0.0%)
50-64 years	14 (8.3%)	1 (14.3%)	0 (0.0%)
65+ years	148 (87.6%)	6 (85.7%)	0 (0.0%)
<b>Gender</b>			
Male	92 (54.4%)	5 (71.4%)	0 (0.0%)
Female	77 (45.6%)	2 (28.6%)	0 (0.0%)
<b>Race/Ethnicity</b>			
American Indian or Alaska Native	0 (0.0%)	0 (0.0%)	0 (0.0%)
Asian	23 (13.6%)	1 (14.3%)	0 (0.0%)
Black or African American	8 (4.7%)	1 (14.3%)	0 (0.0%)
Hispanic or Latino	32 (18.9%)	2 (28.6%)	0 (0.0%)
Native Hawaiian or Other Pacific Islander	0 (0.0%)	0 (0.0%)	0 (0.0%)
Other/Multiple Race	1 (0.6%)	0 (0.0%)	0 (0.0%)
White	105 (62.1%)	3 (42.9%)	0 (0.0%)
<b>Other Significant Conditions</b>	136 (80.5%)	5 (71.4%)	0 (0.0%)

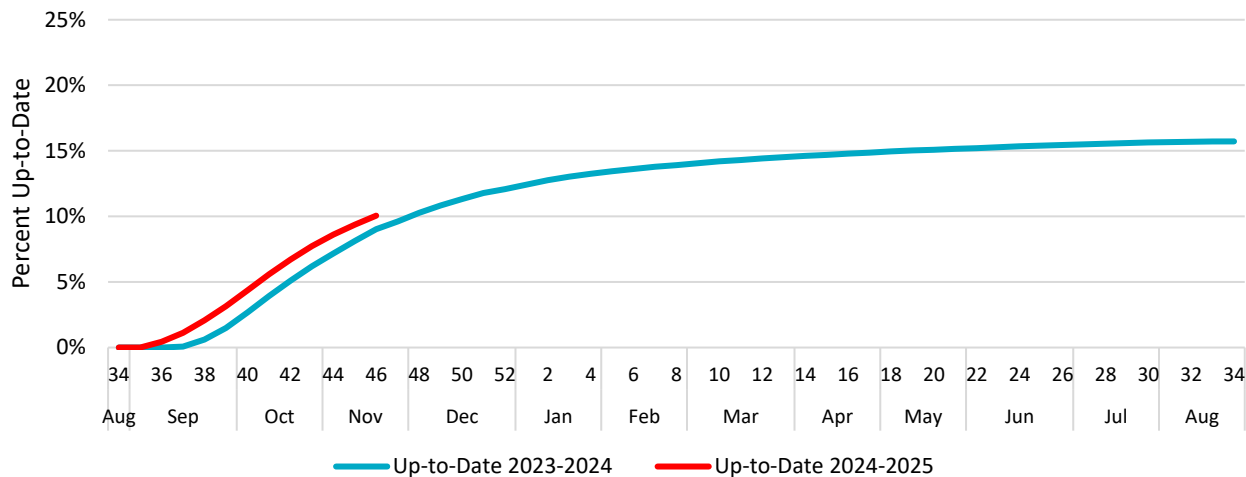


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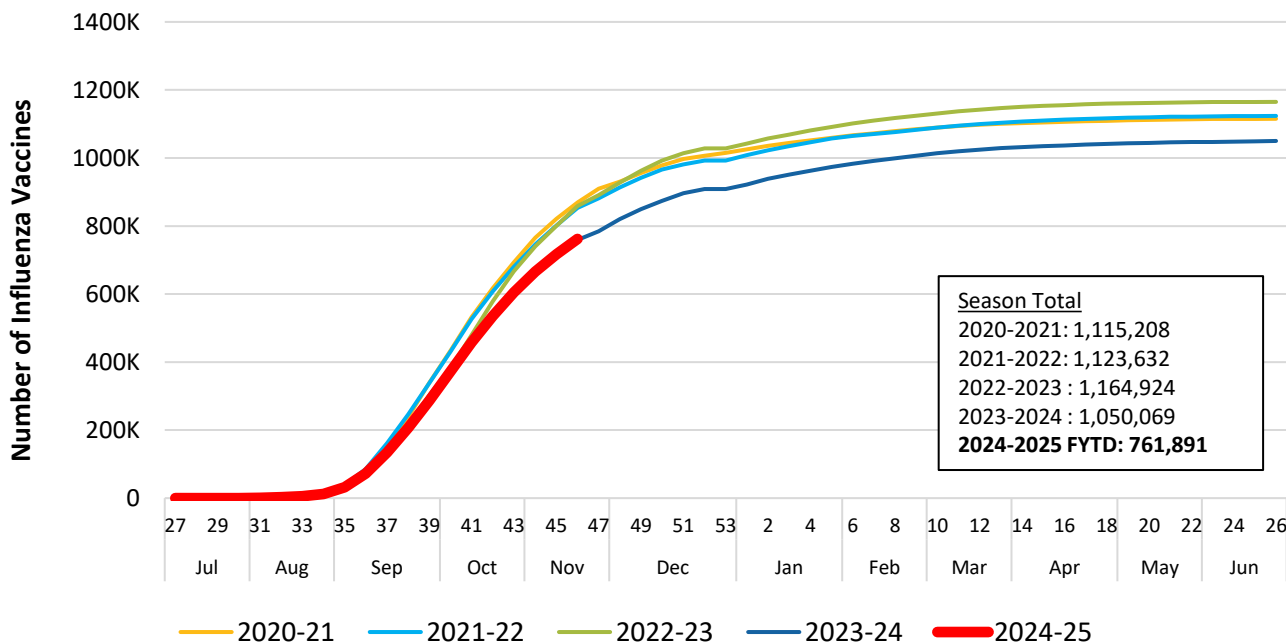
## Vaccinations Administered

**Figure 21. San Diego County Residents Up- to-Date with COVID-19 Vaccination Status, Ages 6 Months and Older**



The lines show the percentage of persons up-to-date on COVID-19 vaccination per the CDC guidelines for that year. [Stay Up to Date with COVID-19 Vaccines | CDC](#)

**Figure 22. Cumulative Number of Influenza Vaccinations Administered\* by CDC Week and Fiscal Year**



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

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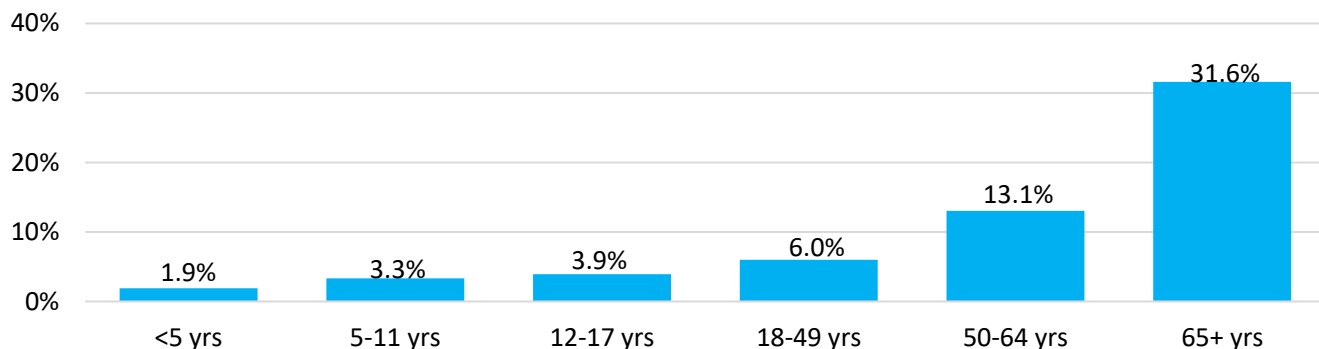


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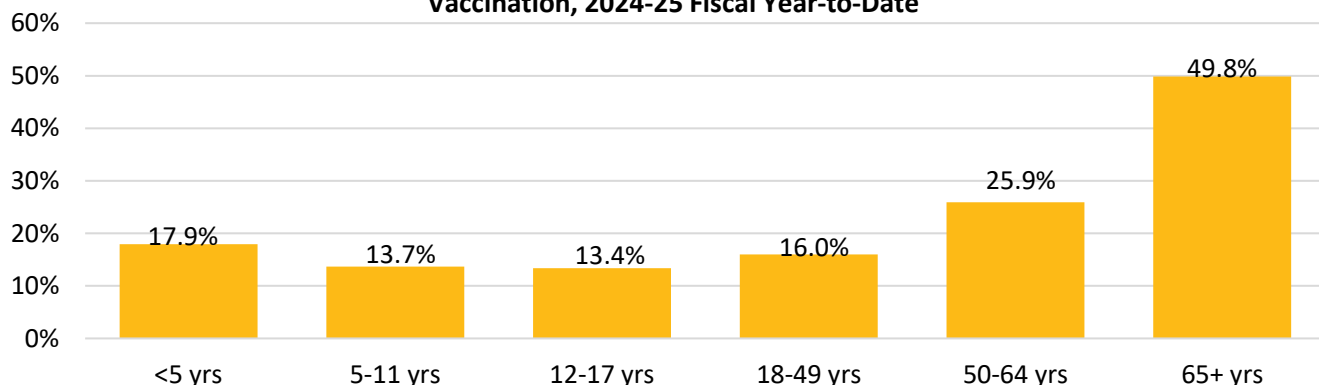
## Vaccine Recipients by Age

**Figure 23. Percentage of San Diego Resident Age Groups Up to Date\* on COVID-19 Vaccination**

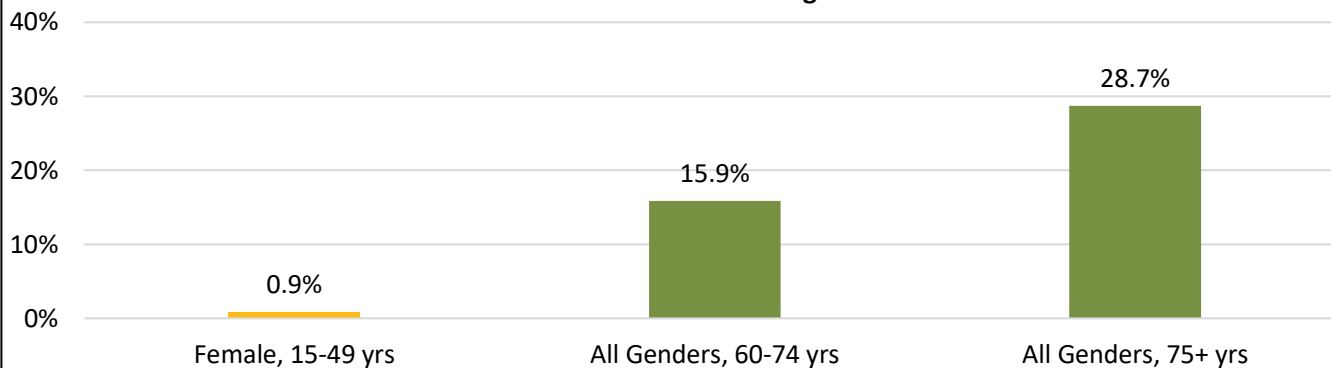


\*Using the Up-to-Date (UTD) criteria per the 2024/2025 guidelines. [Stay Up to Date with COVID-19 Vaccines | CDC](#)

**Figure 24. Percentage of San Diego Resident Age Groups that Received an Influenza Vaccination, 2024-25 Fiscal Year-to-Date**



**Figure 25. Percentage of Vaccine-Eligible\* San Diego Resident Age Groups that Received an RSV Vaccination since August 2023**



\*CDC recommends pregnant women, adults 60-74 years with increased risk, and adults 75 and older receive an RSV dose. In absence of pregnancy data, vaccination percentage is presented for all females of reproductive age. Learn more: [Respiratory Syncytial Virus \(RSV\) Immunizations | CDC](#)

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# Respiratory Virus Surveillance Report



## Wastewater Surveillance

— 2024-25 — 2023-24 — 2022-23

Figure 26. SARS-CoV-2 Detection in Wastewater by Fiscal Year

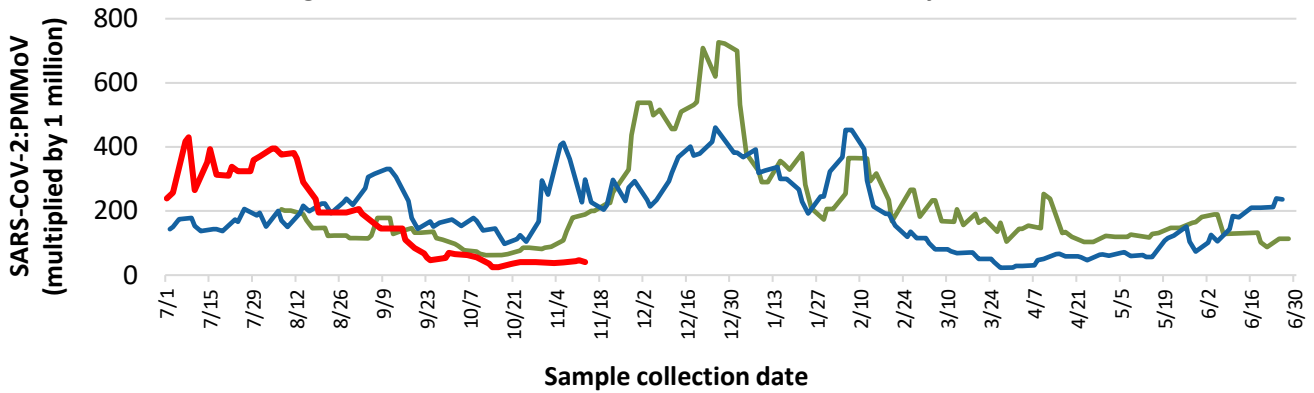


Figure 27. Influenza A\* Detection in Wastewater by Fiscal Year

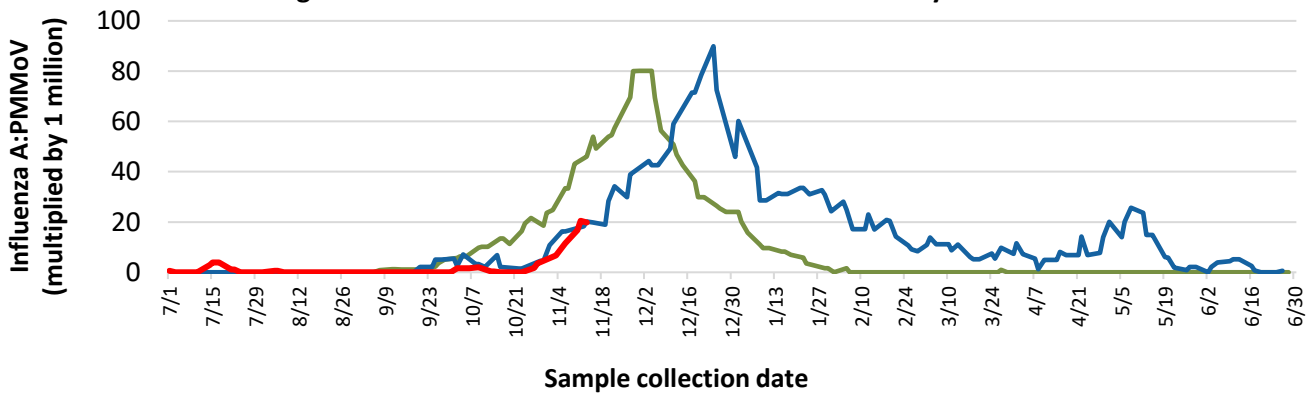
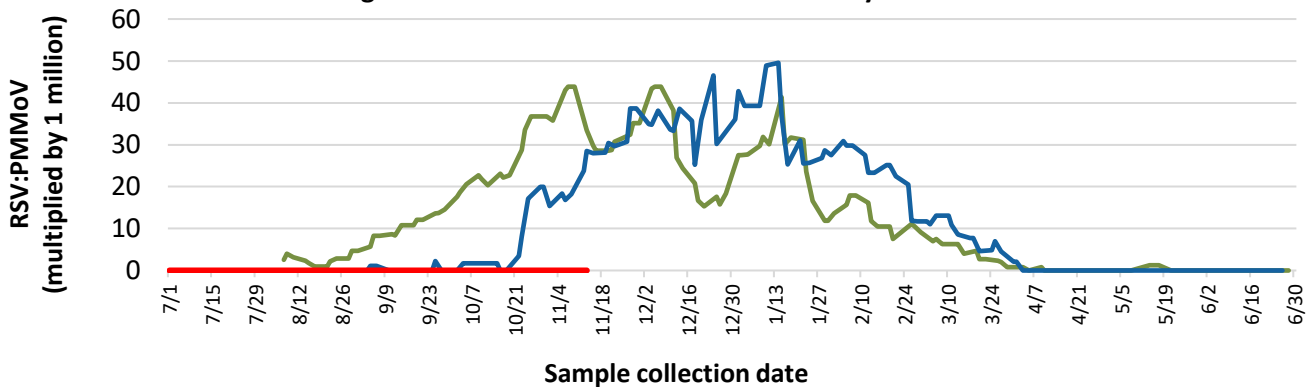


Figure 28. RSV Detection in Wastewater by Fiscal Year



Data provided by Wastewater SCAN: <https://wastewaterscan.org/>.

Moving average is calculated by taking the average of the 5 samples centered around a date after excluding the highest and lowest values.

\*Detection of influenza in wastewater is specific to influenza A.

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# Respiratory Virus Surveillance Report



## Influenza Subtypes

Figure 29. Influenza Subtypes by CDC Episode Week\*

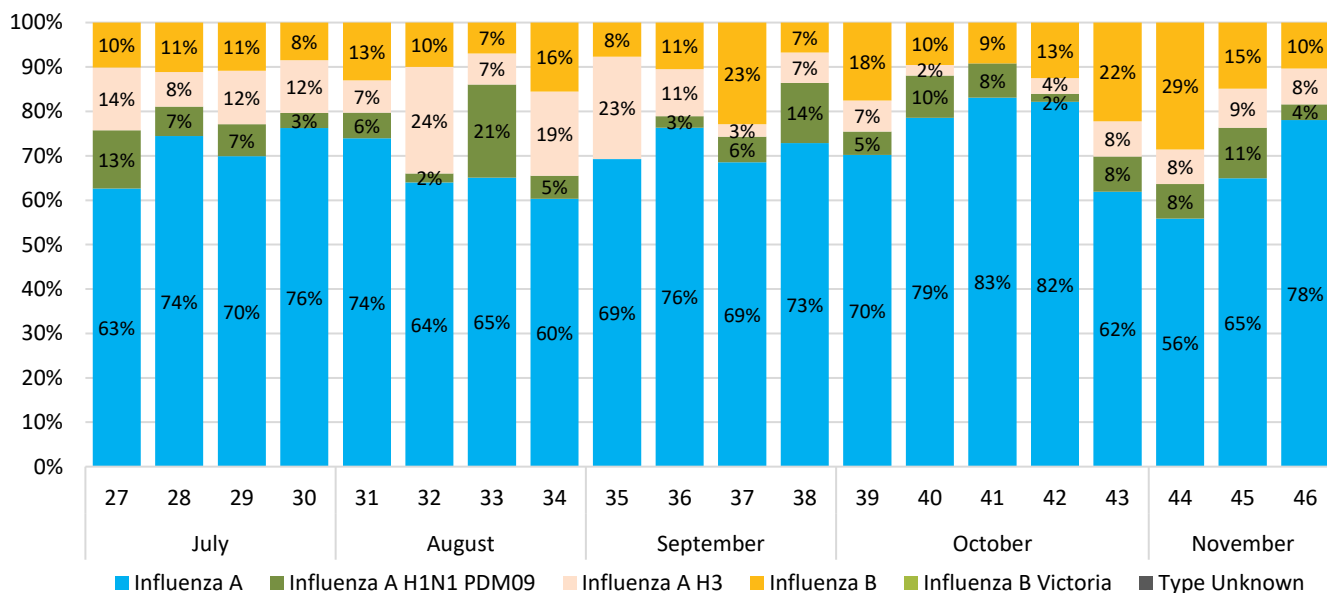
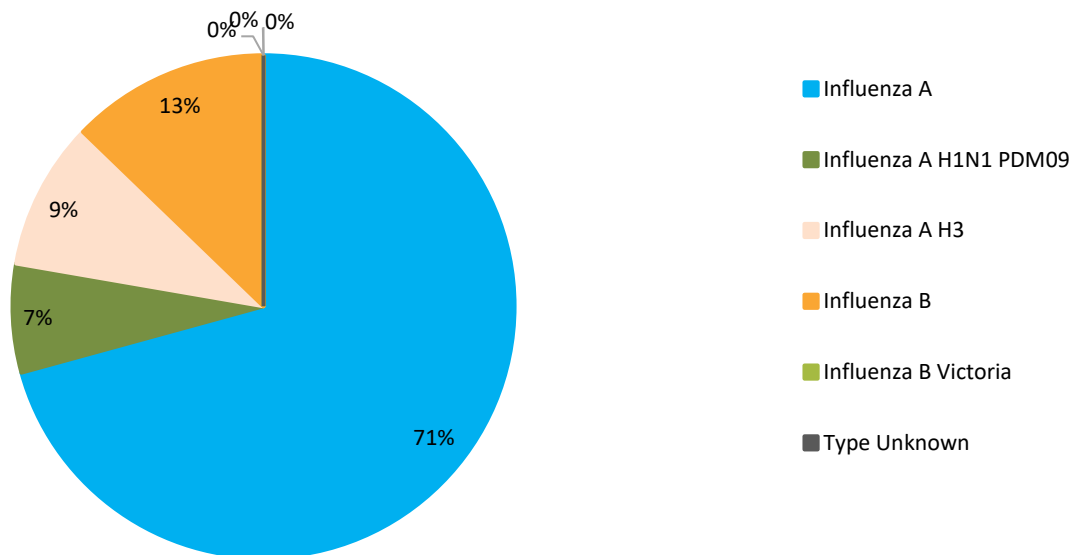


Figure 30. Influenza Subtypes, 2024-25 Fiscal Year-to-Date



\*Episode date is the earliest available of symptom onset date, specimen collection date, date of death, date reported. Data for the most recent week may be incomplete.



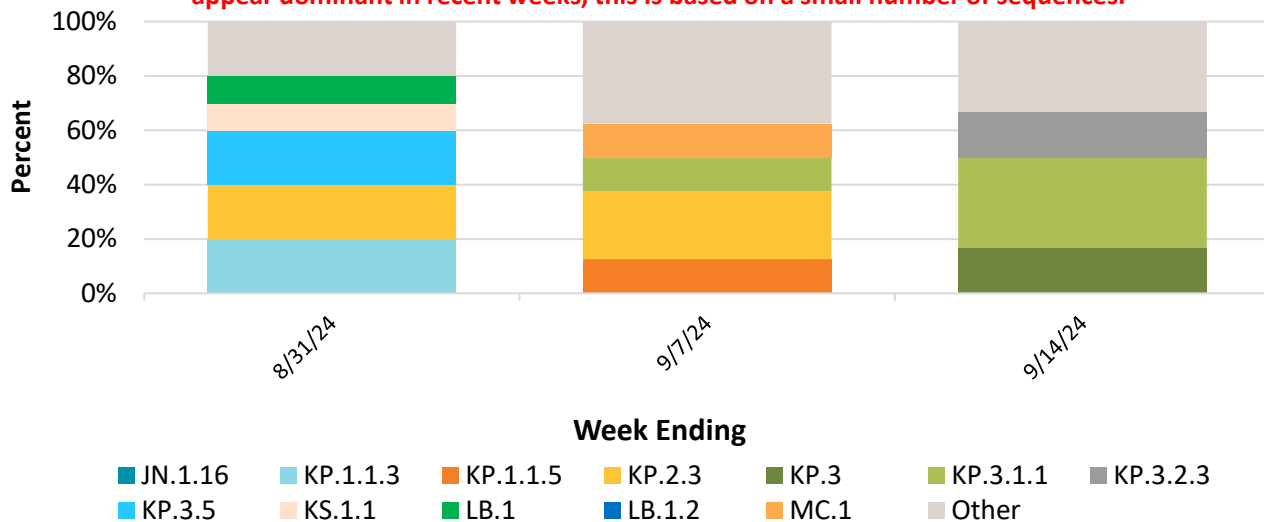


# Respiratory Virus Surveillance Report



## COVID-19 Surveillance on Variants

**Figure 31. SARS-CoV-2 Variant Prevalence from Genomic Surveillance**  
 Sequencing data in San Diego County is currently sparse. While some lineages may appear dominant in recent weeks, this is based on a small number of sequences.

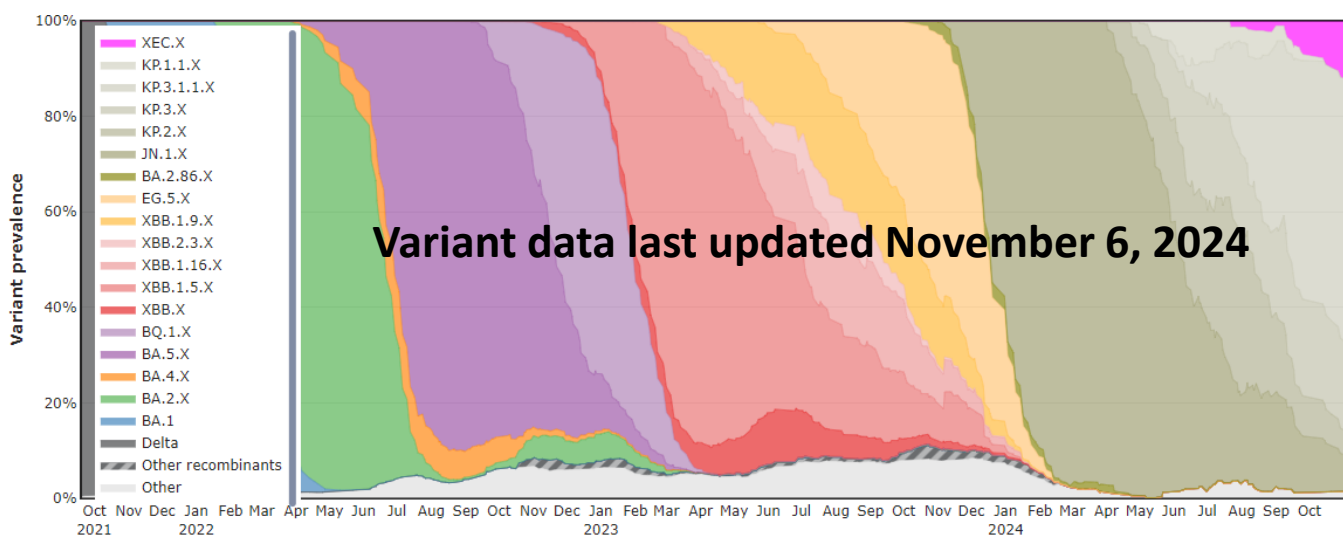


Variant calls for SARS-CoV-2 genomes generated from clinical samples were obtained from the CDPH COVIDNET dashboard and GISAID. Data was then filtered to only include samples from San Diego county within the past 3-months (<https://testing.covid19.ca.gov/covidnet/>, <https://gisaid.org/>).

For some weeks, very limited specimens may have been tested and findings should be interpreted with caution.

\*Weeks with fewer than 5 specimens are not shown.

**Figure 32. SARS-CoV-2 Wastewater Lineage Prevalence Over Time in San Diego**



Source: SARS-CoV-2 variant prevalence in wastewater was generated by the SEARCH consortia

(<https://searchcovid.info/dashboards/wastewater-surveillance/>).

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