

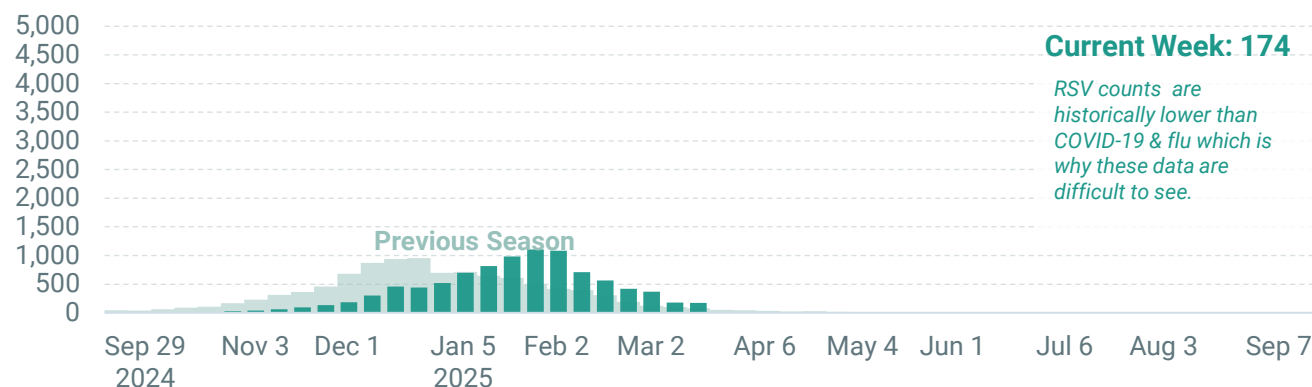
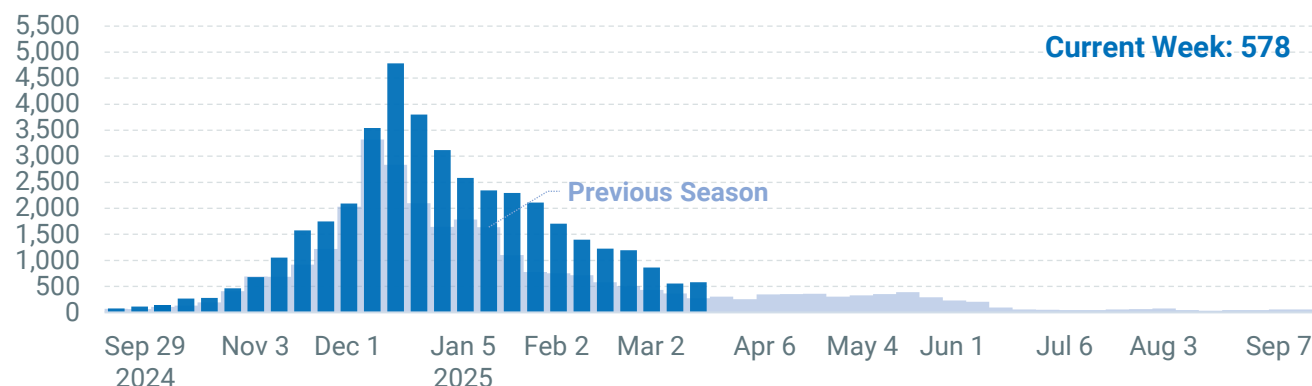
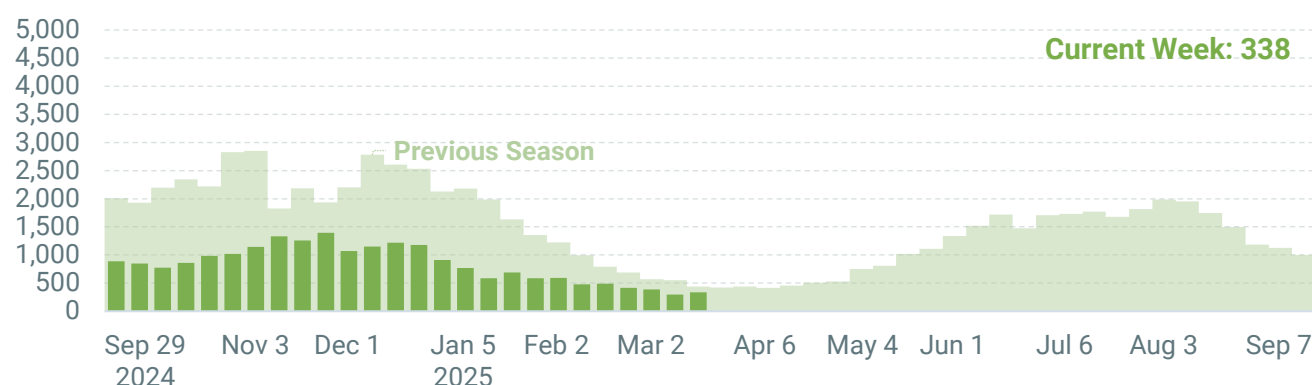
2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

RESPIRATORY VIRUS SEASON OVERVIEW

Coronavirus Disease 2019 (COVID-19), Influenza (flu), and Respiratory Syncytial Virus Disease (RSV) Weekly Counts for the Current Respiratory Virus Season.

Weekly case counts of **COVID-19** and **flu** increased while weekly case counts of **RSV** decreased in comparison to the previous week.



Data are current as of 4/3/2025.

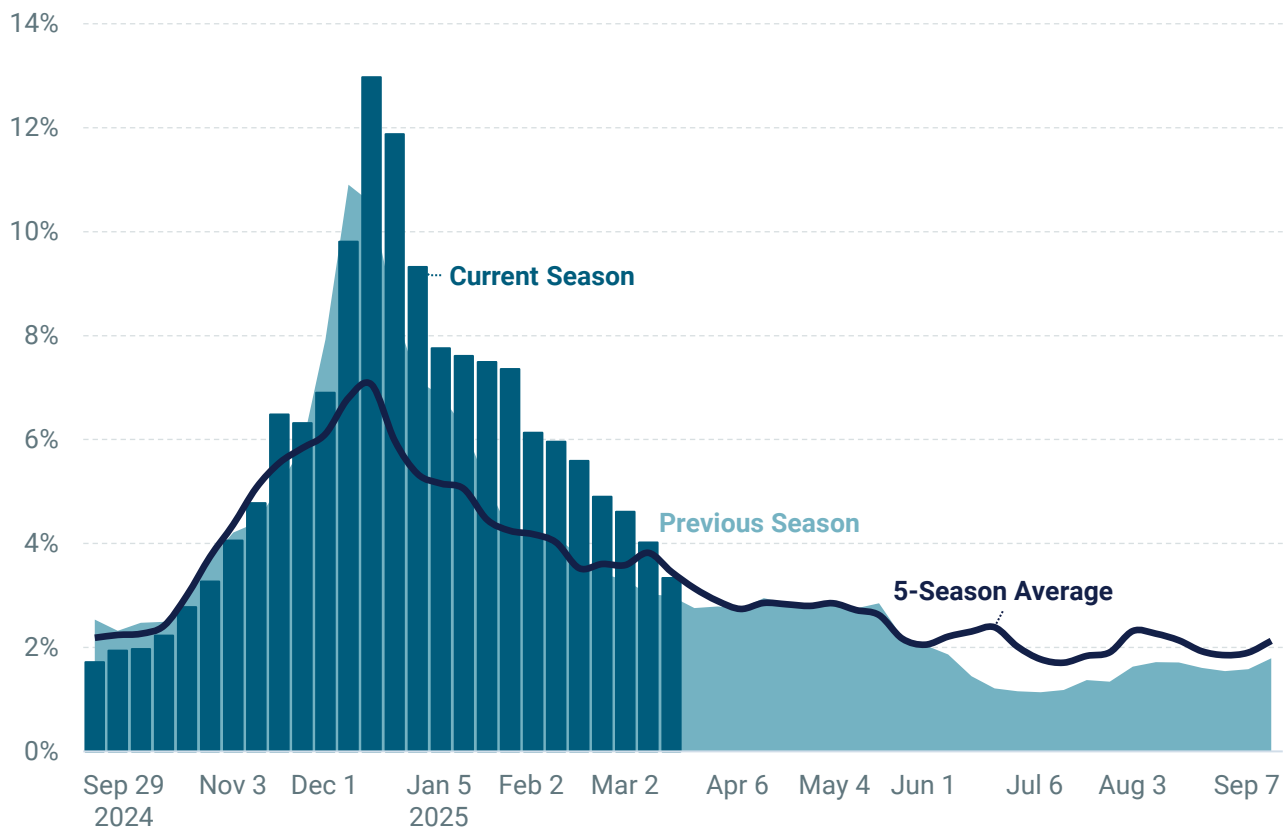
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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

Influenza-Like Illness (ILI)¹ in Hospitals and Urgent Cares

In the most recent week, **3.3% of urgent care, inpatient, and emergency department visits** in Maricopa County were **ILI-related**¹.



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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

Pneumonia, Influenza, RSV, and COVID-19 (PIRC) Mortality Season Overview

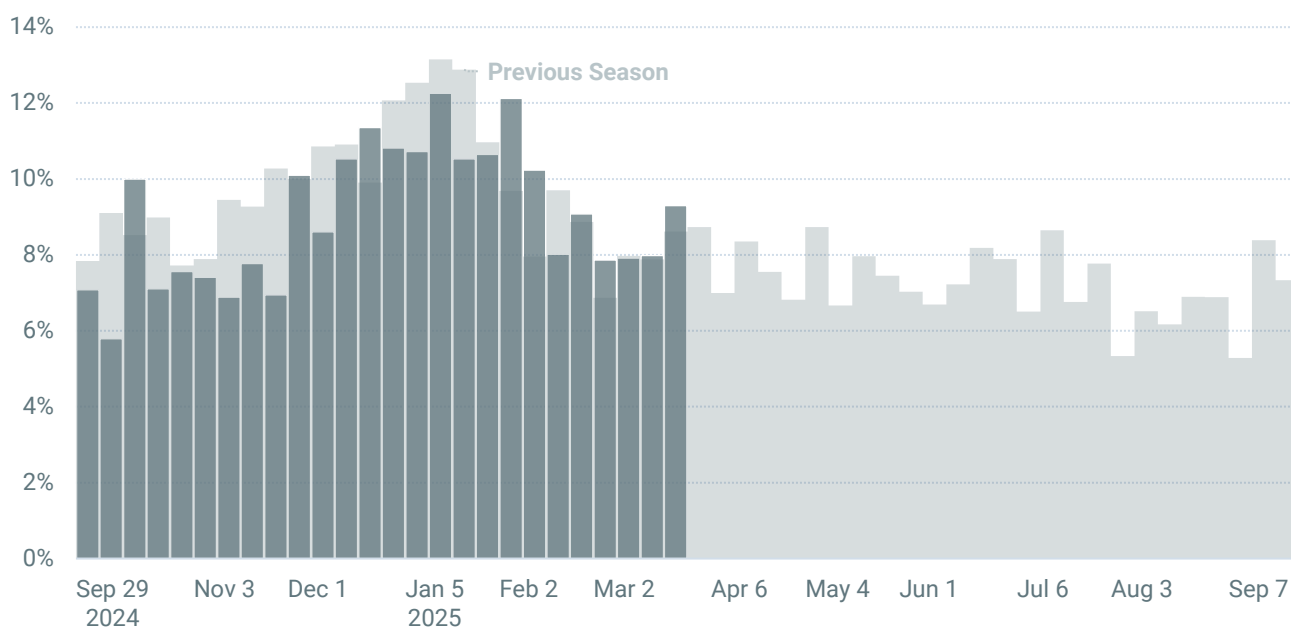
Many **influenza**, **RSV**, and **COVID-19** deaths are due to resulting complications, including **pneumonia**, and the disease is often not explicitly listed on death certificates. For this reason, public health also includes death certificates that reference pneumonia due to other or unspecified causes in addition to the explicitly mentioned diseases.

	PIRC	Other Pneumonia	Flu	RSV	COVID-19
Season Total	2,241	1,691	233	25	302
Peak Week	Week 6 (Feb 2–8)	Week 6 (Feb 2–8)	Week 3 (Jan 12–18)	Week 3 (Jan 12–18)	Week 49 (Dec 1–7)

Note: Death records that explicitly list multiple diseases were counted in each category but are only represented once in PIRC totals. Death records that mention pneumonia but do not mention influenza, RSV, or COVID-19 were included with "Other Pneumonia".

Proportion of Respiratory Virus and Pneumonia Deaths by Week

The proportion of deaths attributed to **Pneumonia**, **Influenza**, **RSV**, or **COVID-19** (PIRC) typically peak in the weeks following the highest burden of respiratory disease (often December or January).



Note: Death certificate reports may be delayed up to 4 weeks. Recent data may change in future reports.

Data are current as of 4/3/2025.

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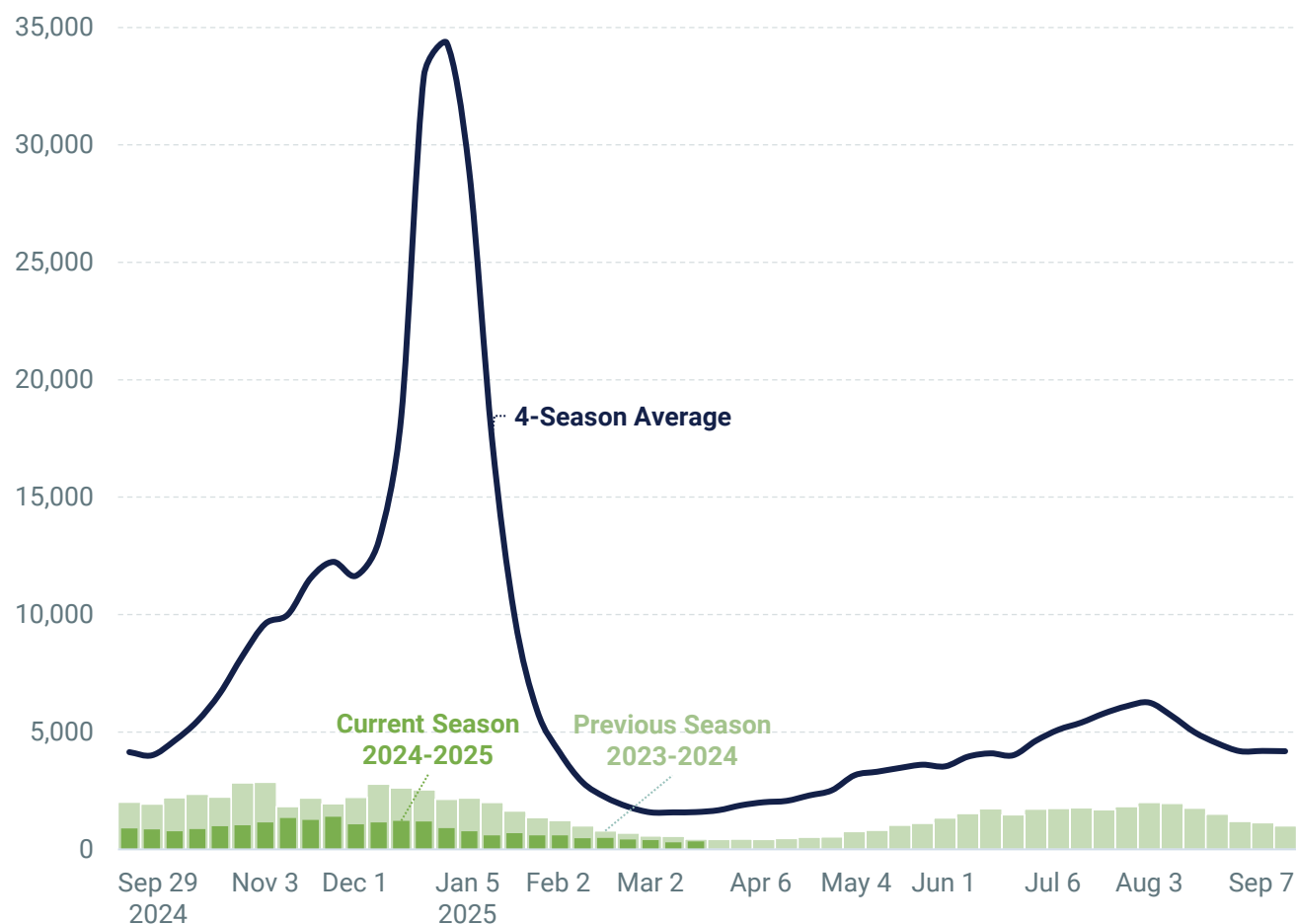
2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

CORONAVIRUS DISEASE 2019 (COVID-19)

COVID-19 Cases by Week for the Current Respiratory Season (2024-2025), Previous Season (2023-2024), and 4-Season Average (2020–2024)

From week 40 of 2024 through the current week, **21,657 COVID-19 cases** have been laboratory confirmed in Maricopa County. In the current week, there were **338 COVID-19 cases**, representing **an increase** compared to the previous week.



Data are current as of 4/3/2025.

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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

Comparison of Current Week COVID-19 Counts with Previous Seasons

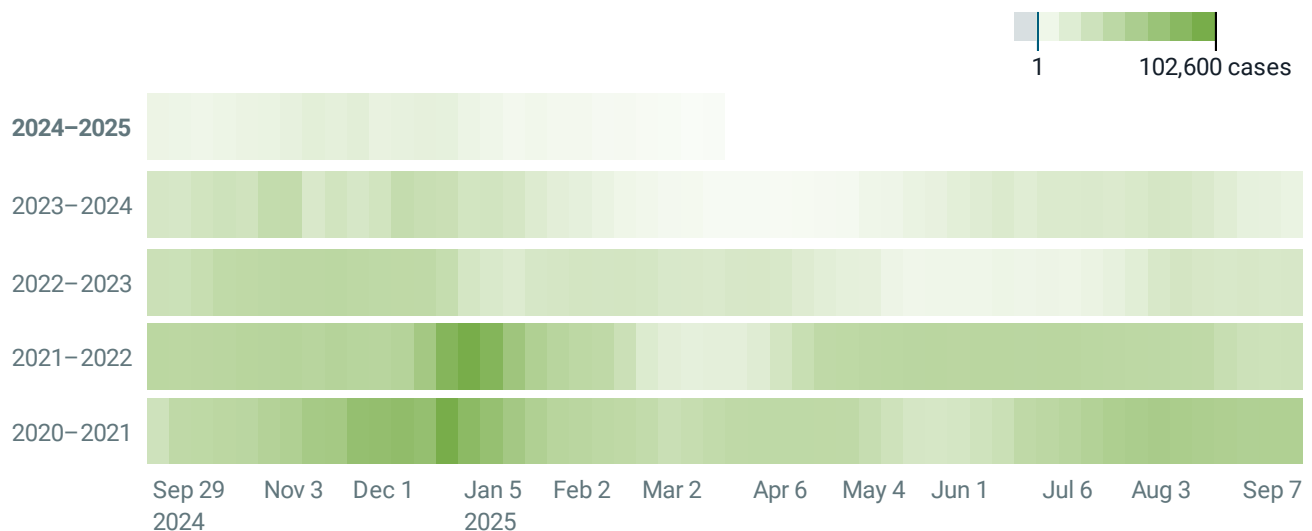
	Current Season (2024-2025)	% Change From Last Week	Last Season (2023-2024)	% Change From Last Season	4-Season Avg (2020–2024)	% Change From 4-Season Avg
Current Week	338	+13.8%	438	-22.8%	1,586	-78.7%
Cumulative Season	21,657	+1.6%	46,993	-53.9%	264,967	-91.8%

Current and Previous COVID-19 Season Overview

	2024–2025	2023–2024	2022–2023	2021–2022	2020–2021	2019–2020
Season Total	21,657	78,703	126,750	746,849	517,617	N/A
Peak Week	Week 49 (Dec 1–7)	Week 46 (Nov 12–18)	Week 48 (Nov 27–3)	Week 2 (Jan 9–15)	Week 1 (Jan 3–9)	N/A

Seasonal Trends of COVID-19 Over the Past Five Seasons

Overall, COVID-19 case counts are decreasing compared with previous weeks.



Data are current as of 4/3/2025.

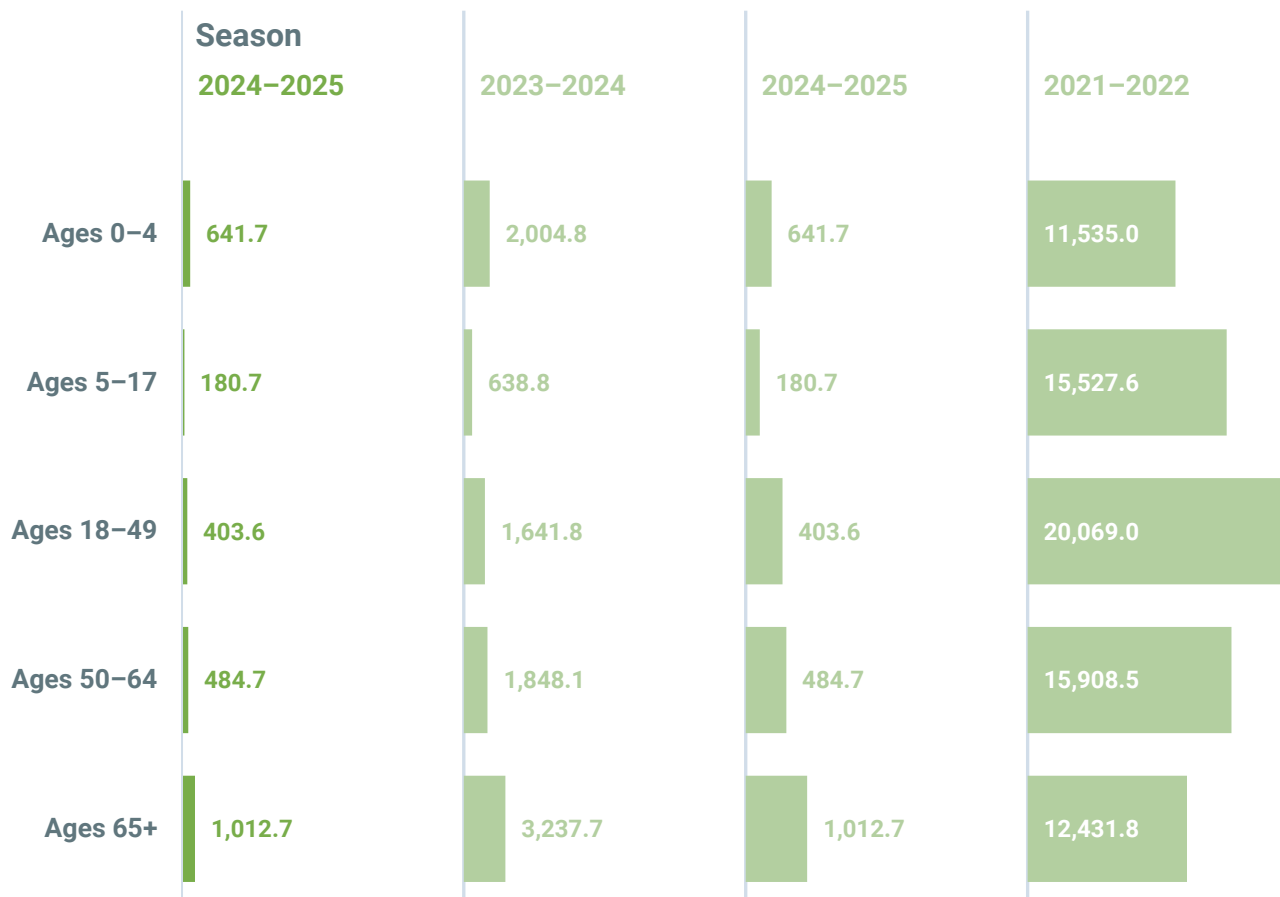
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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

COVID-19 Case Rate per 100,000 Population² by Age Group by Season

For the current season, **rates of COVID-19** are **highest among ages 65+**.



Data are current as of 4/3/2025.

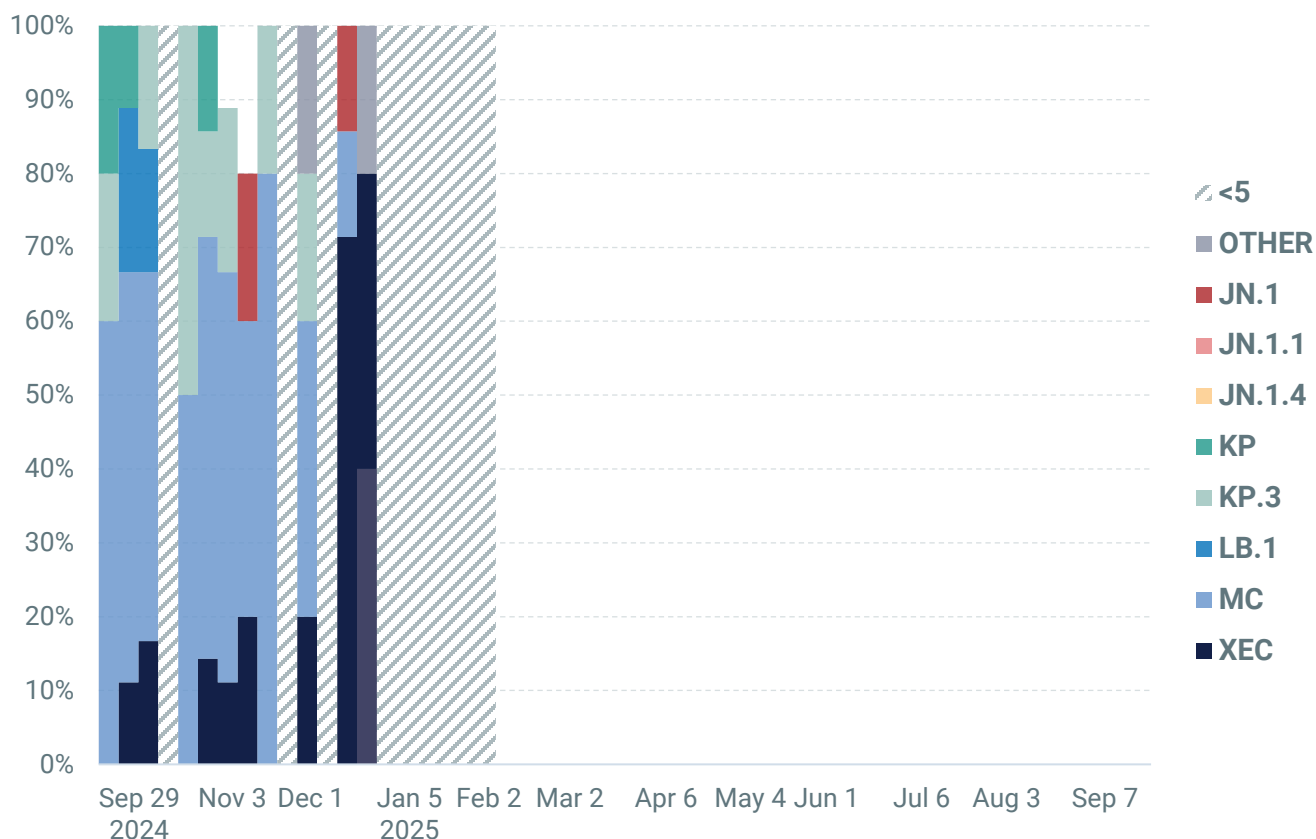
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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

SARS-CoV-2 (COVID-19) Variant Proportions by MMWR Week

In the most recent week where at least 5 samples with genomic sequencing are available, **XEC*** was the dominant circulating **SARS-CoV-2 variant**.



*Note: Data represent a 6-week lag to allow for samples to be sequenced, analyzed, and reported. Enumerated lineages are those that represent $\geq 25\%$ of sequenced samples for at least one 2-week period during the previous 52 weeks. *Descendant lineages that do not meet these criteria are aggregated with their parent lineage based on Pango lineage definitions. "Other" represents the aggregation of lineages that could not be grouped with a single parent lineage (e.g. recombinant lineages).*

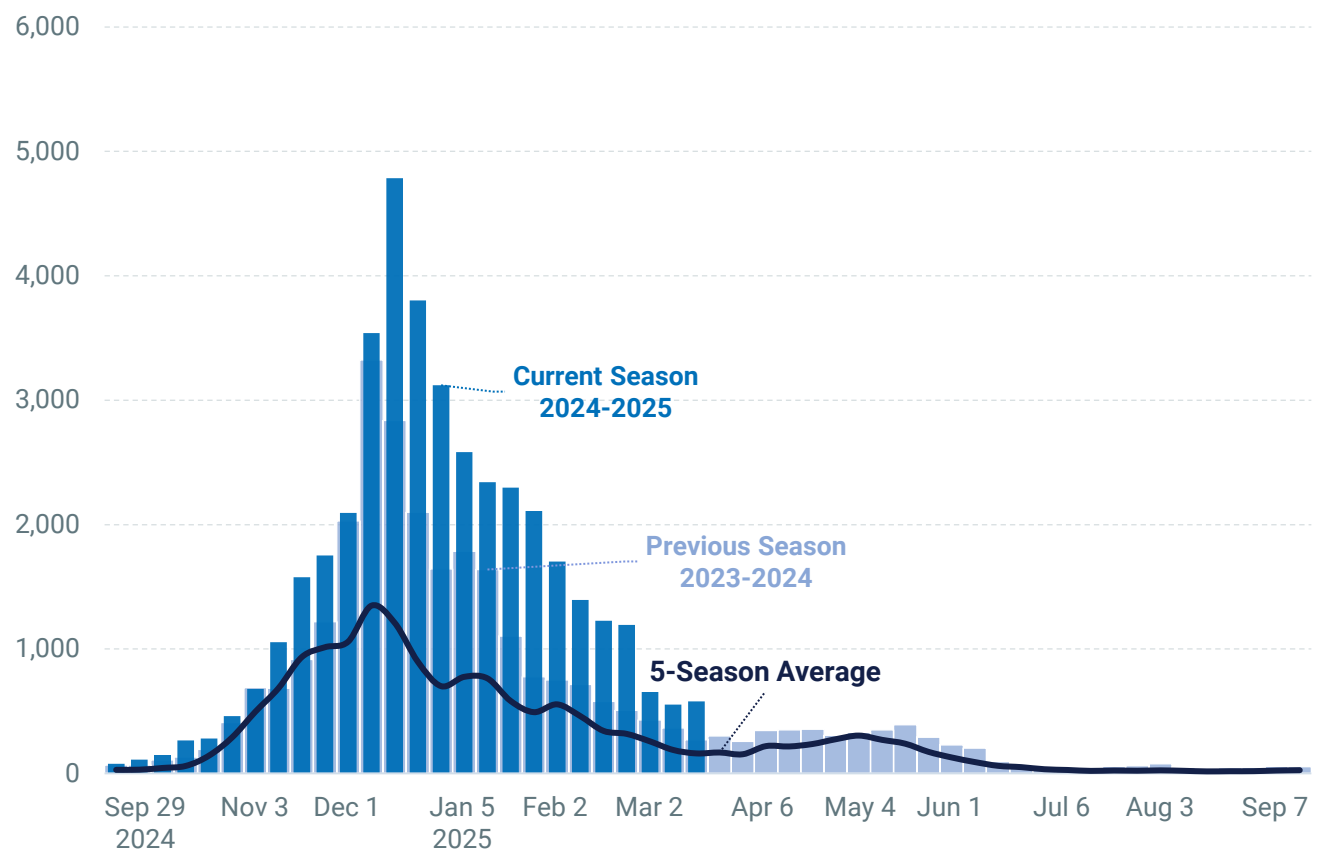
2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

INFLUENZA (FLU)

Flu Cases by Week for the Current Respiratory Season (2024-2025), Previous Season (2023-2024), and 5-Season Average (2019–2024)

From week 40 of 2024 through the current week, **40,583 flu cases** have been laboratory confirmed in Maricopa County. In the current week, there were **578 flu cases**, representing **an increase** compared to the previous week.



Data are current as of 4/3/2025.

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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

Comparison of Current Week Flu Counts with Previous Seasons

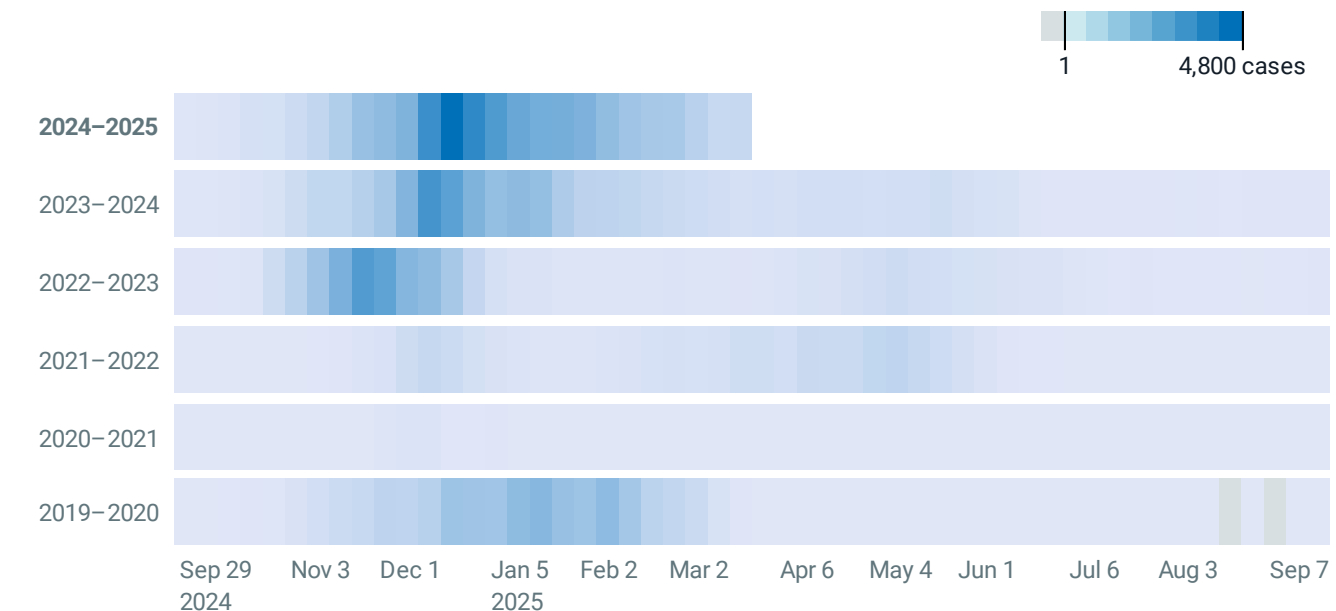
	Current Season (2024-2025)	% Change From Last Week	Last Season (2023-2024)	% Change From Last Season	5-Season Avg (2019–2024)	% Change From 5-Season Avg
Current Week	578	+4.3%	271	+113.3%	160	+260.3%
Cumulative Season	40,583	+1.4%	25,342	+60.1%	13,837	+193.3%

Current and Previous Flu Season Overview

	2024–2025	2023–2024	2022–2023	2021–2022	2020–2021	2019–2020
Season Total	40,583	29,821	22,141	10,171	785	20,528
Peak Week	Week 52 (Dec 22–28)	Week 51 (Dec 17–23)	Week 48 (Nov 27–3)	Week 20 (May 15–21)	Week 50 (Dec 6–12)	Week 4 (Jan 19–25)
Pediatric Deaths	3	1	1	2	0	3

Seasonal Trends of Flu Over the Past Five Seasons

Overall, flu case counts are decreasing compared with previous weeks.



Data are current as of 4/3/2025.

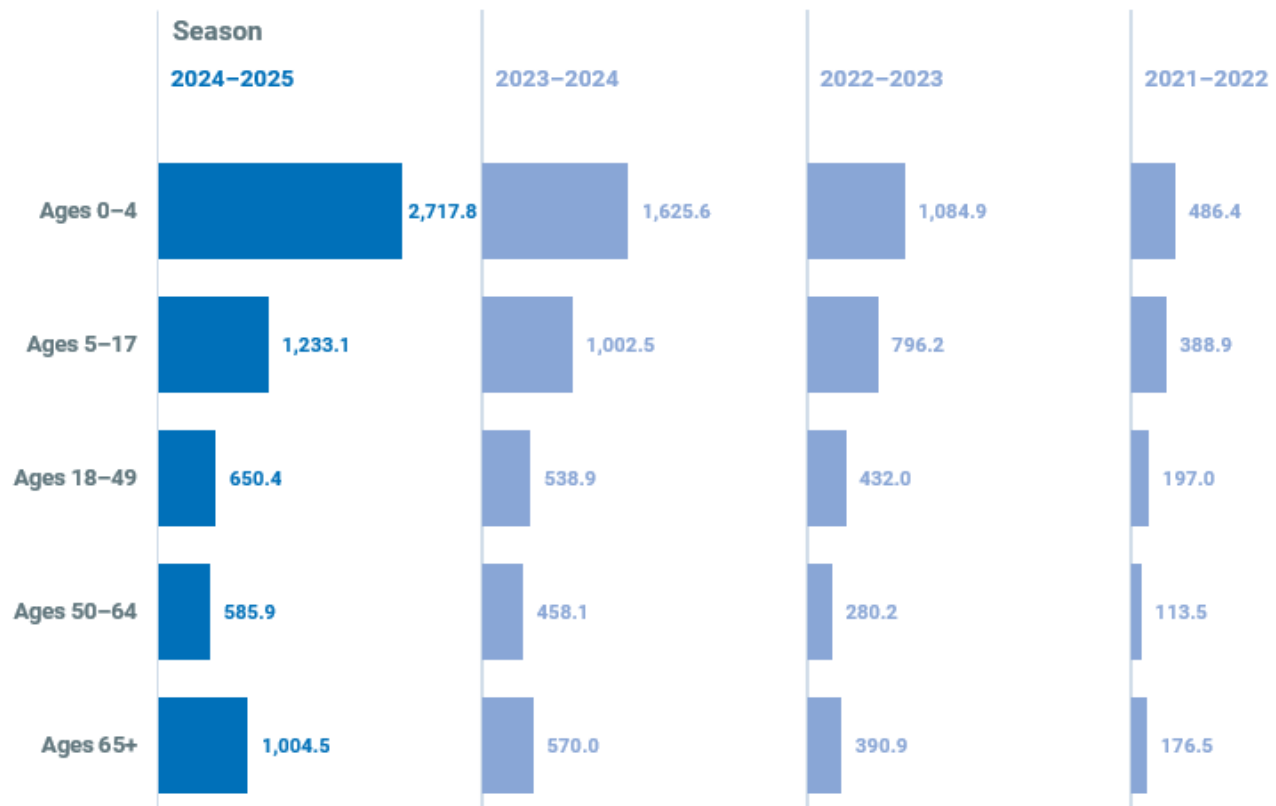
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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

Flu Case Rate per 100,000 Population² by Age Group by Season

For the current season, **rates of influenza** are **highest among ages 0–4**.



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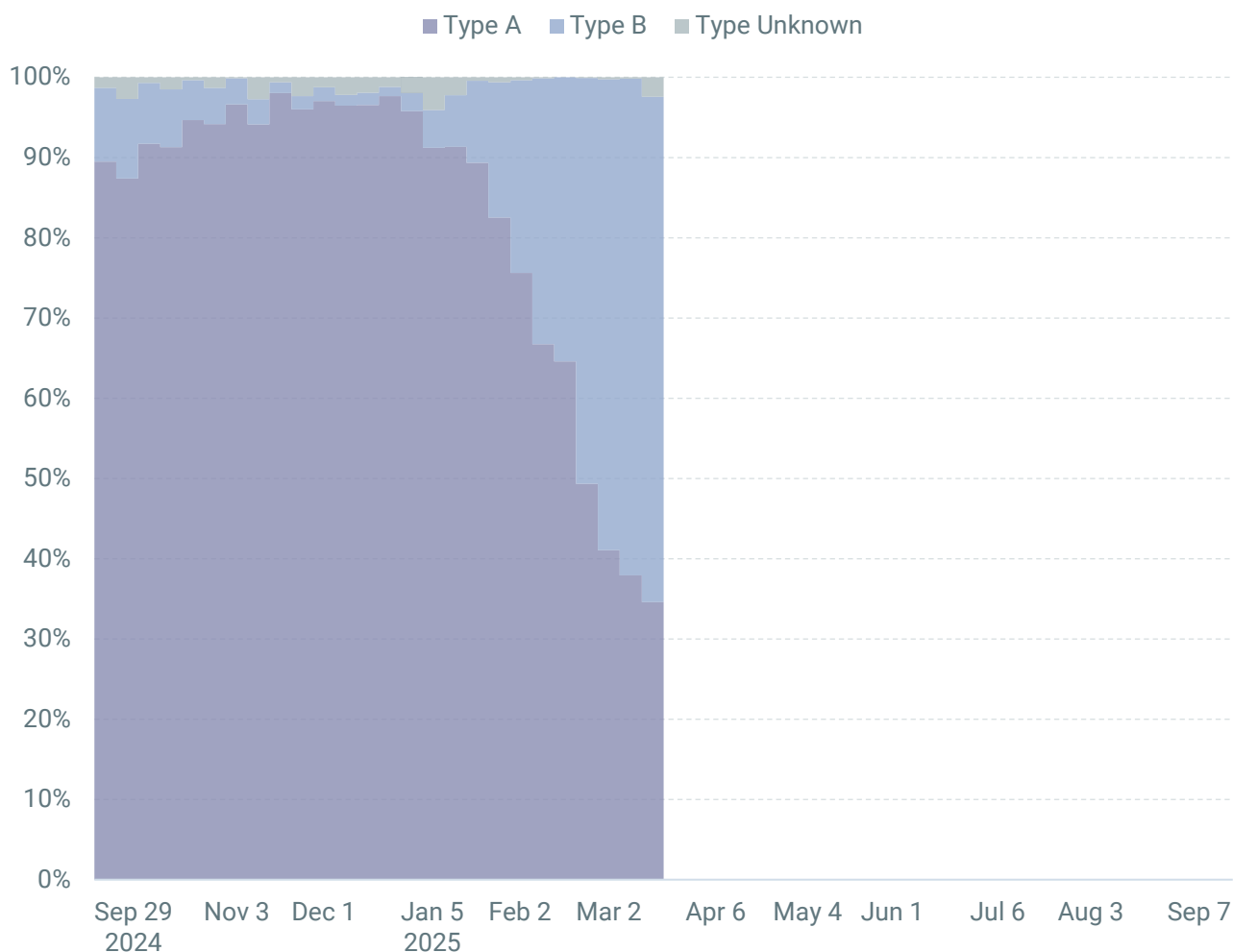
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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

Influenza Virus Type Proportions by MMWR Week

In the most recent week where at least five flu types are available, **Type B** was the dominant circulating **influenza virus**.



Data are current as of 4/3/2025.

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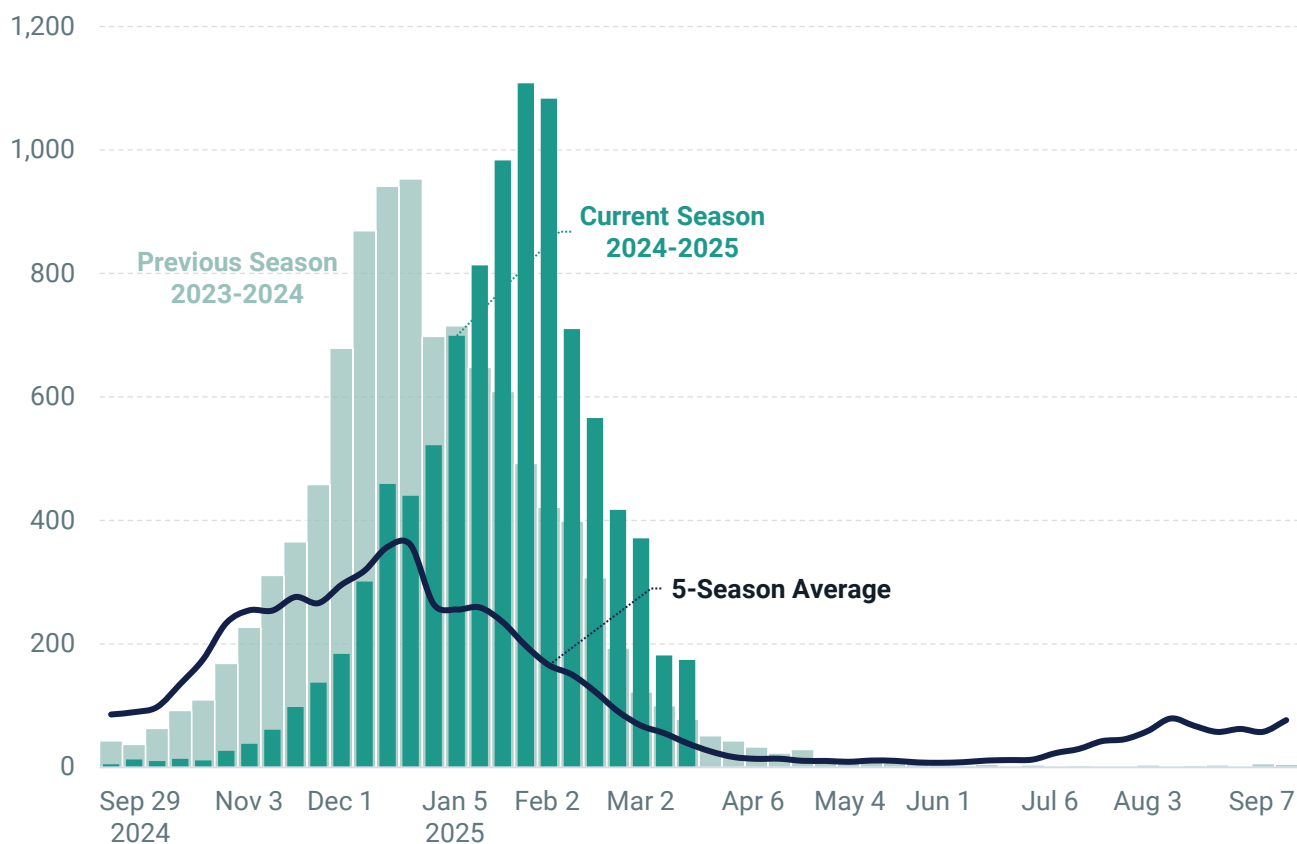
2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

RESPIRATORY SYNCYTIAL VIRUS DISEASE (RSV)

RSV Cases by Week for the Current Season (2024-2025), Previous Season (2023-2024), and 5-Season Average (2019–2024)

From week 40 of 2024 through the current week, **9,425 RSV cases** have been laboratory confirmed in Maricopa County. In the most recent week, there were **174 RSV cases**, representing **a decrease** compared to the previous week.



Data are current as of 4/3/2025.

Recent data are preliminary and may change due to delayed reporting.

2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

Comparison of Current Week RSV Counts with Previous Seasons

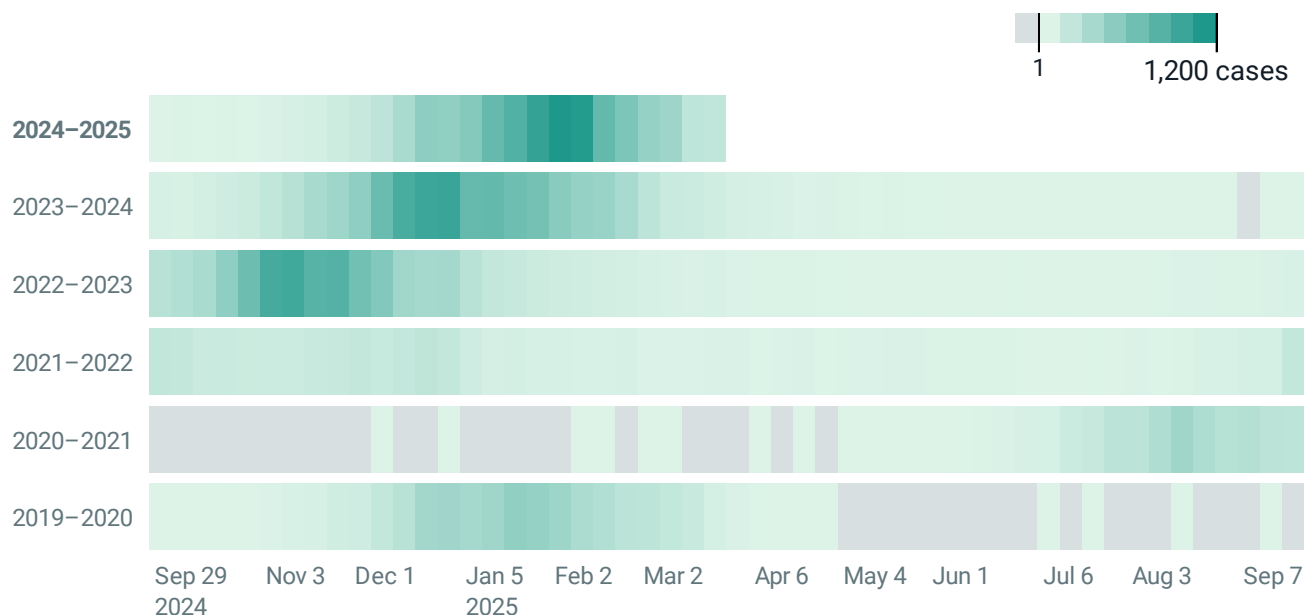
	Current Season (2024–2025)	% Change From Last Week	Last Season (2023–2024)	% Change From Last Season	5-Season Avg (2019–2024)	% Change From 5-Season Avg
Current Week	174	-3.9%	78	+123.1%	39	+343.9%
Cumulative Season	9,425	+1.9%	10,097	-6.7%	5,101	+84.8%

Current and Previous RSV Season Overview

	2024–2025	2023–2024	2022–2023	2021–2022	2020–2021	2019–2020
Season Total	9,425	10,386	8,788	3,040	2,592	4,608
Peak Week	Week 6 (Feb 2–8)	Week 1 (Dec 31–6)	Week 46 (Nov 13–19)	Week 52 (Dec 26–1)	Week 34 (Aug 22–28)	Week 4 (Jan 19–25)

Seasonal Trends of RSV Over the Past Five Seasons

Overall, RSV case counts are decreasing compared with previous weeks.



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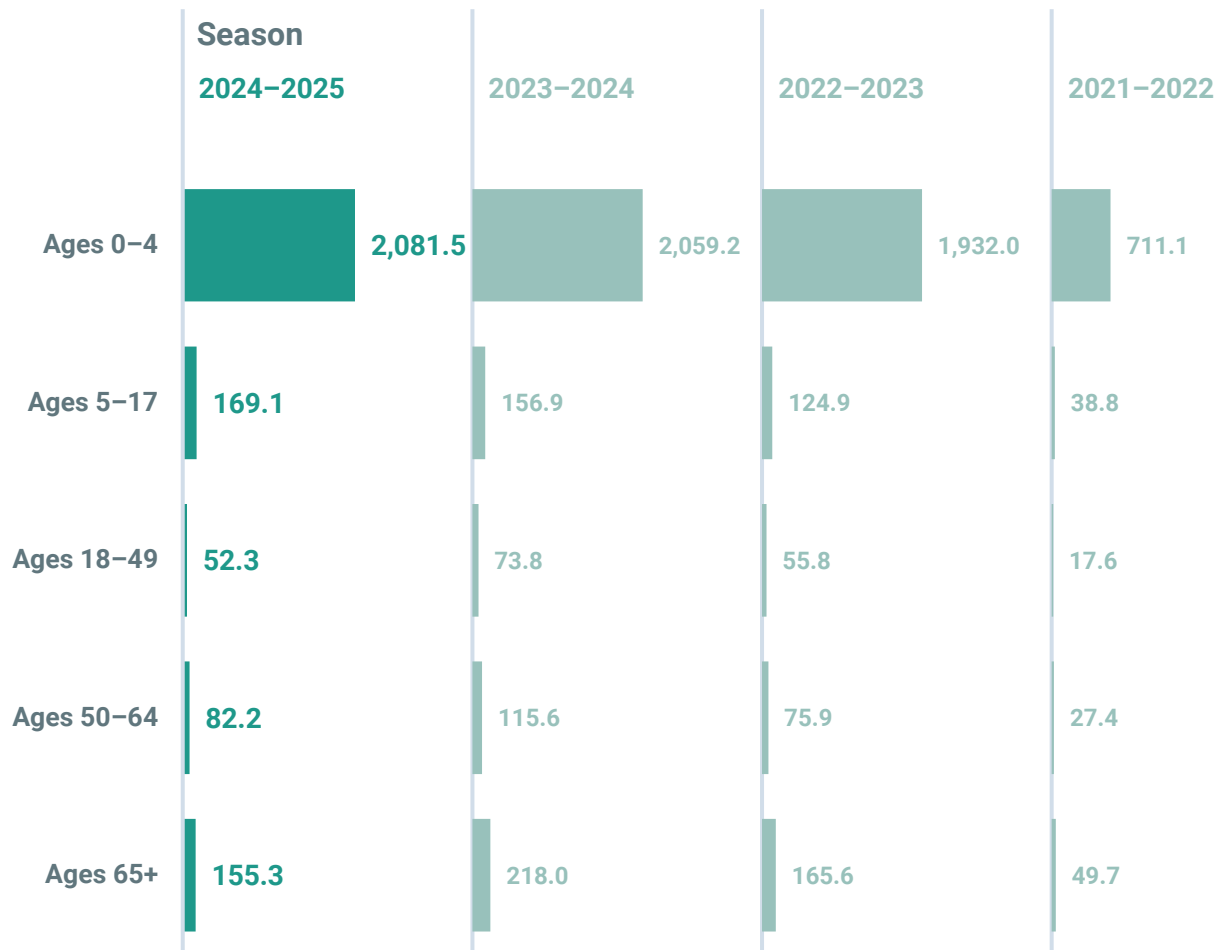
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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

RSV Case Rate per 100,000 Population² by Age Group by Season

For the current season, **rates of RSV** are **highest among ages 0–4**.



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2024–2025 Seasonal Respiratory Virus Surveillance Report

Week 13 (March 23, 2025 – March 29, 2025)

ENDNOTES

1. Influenza-like illness (ILI) is defined as mention of influenza; or fever (subjective or measured greater than 100°F) plus cough or sore throat in the medical record of participating facilities. Due to the nonspecific definition of ILI, healthcare encounters related to COVID-19, RSV, or other respiratory illnesses may be captured by the symptom-based section of the definition.
 - Data are from participating facilities in Maricopa County who submit to the [Centers for Disease Control and Prevention's \(CDC\) National Syndromic Surveillance Program's \(NSSP\) BioSense Platform](#). Not all Maricopa County facilities participate.
2. Rates were calculated using population denominators from the [2022 American Community Survey \(ACS\) 5-year estimates, Table S0101: Age and Sex](#).

ABOUT THE DATA AND CALCULATIONS IN THIS REPORT

- Cases of COVID-19, RSV, influenza, and influenza-associated mortality in a child were counted according to the ADHS case definition.
- A death was counted as PIRC if pneumonia (from any or unknown etiology), RSV, COVID-19, or influenza was identified as a cause or contributing factor on a death certificate through text and ICD-10 code searching. The proportion of all deaths due to PIRC was calculated by dividing the number of deaths meeting PIRC criteria by the total number of deaths in each week.
- Data are presented by [Morbidity and Mortality Weekly Report \(MMWR\) weeks](#). Each MMWR week begins on Sunday and ends the following Saturday. The first MMWR week of a year begins on the first week of the new year with at least 4 days falling in the next year. The MMWR week corresponds with the week of the epidemiologic year for which the National Notifiable Diseases Surveillance System (NNDSS) disease report is assigned. The MMWR week is used by local and state health departments for the purposes of MMWR disease incidence reporting and publishing.
 - Please note that MMWR weeks start on different dates from year-to-year, resulting in variable week start dates. For example, week 40 started on September 27th in 2020 but began on October 3rd in 2021.
- The respiratory virus season begins on the 40th MMWR Week of the year and continues through the end of the 39th week of the subsequent year. The 2024-2025 respiratory season started on 9/29/2023 (week 40 of 2024) and continues through 9/27/2024 (week 39 of 2025).
- Cases are counted in the MMWR week of the collection date of the earliest diagnostic specimen.
- Counts less than 5, and any derived rates, are suppressed to maintain individual confidentiality.

This report was prepared by the MCDPH Respiratory Virus Surveillance Team.
Questions? Please email flu@maricopa.gov