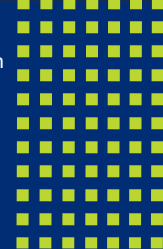




# COUNTY OF RIVERSIDE WEEKLY INFLUENZA SURVEILLANCE REPORT

2024-2025 Influenza Season  
Week 50 (12/8/2024-12/14/2024)  
Issue 11



## INDICATORS AT-A-GLANCE



▲ **0.7%**  
ED/ER ILI



▲ **0.5%**  
Outpatient ILI



▲ **37%**  
Positive ELR



▲ **5.8%**  
Positivity



**1**(+0)  
ICU Cases



**0**(+0)  
Outbreaks



**3**(+1)  
Deaths



▲ **0.5%**  
Vaccinations

## KEY MESSAGES

- Seasonal influenza activity in Riverside County is High.
- Influenza A is the predominant virus during this season.
- Influenza vaccination rate is lower than the previous season.



# EMERGENCY DEPARTMENT SYNDROMIC SURVEILLANCE

- ILI accounted for **4.0% (N=751)** of all ED visits compared to **3.3% (N=614)** during the previous week (Figures 1-2).
- Cumulatively, individuals aged **5-24 (34.9%)** had the most ILI-related ED visits (Figure 3).

Figure 1. Number of ILI-related ED Visits by Week

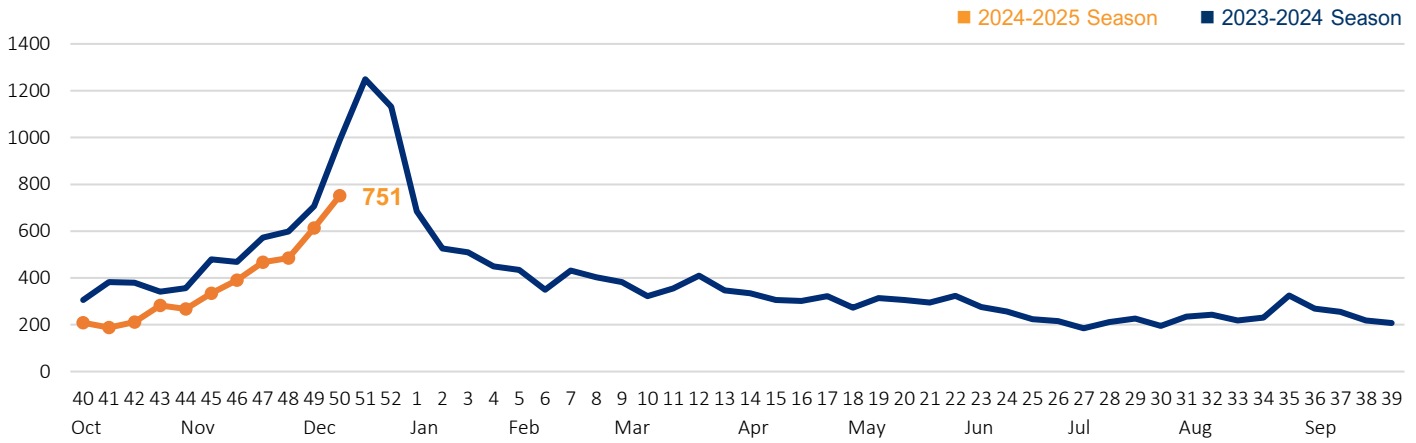


Figure 2. Percentage of ILI-related ED Visits by Week

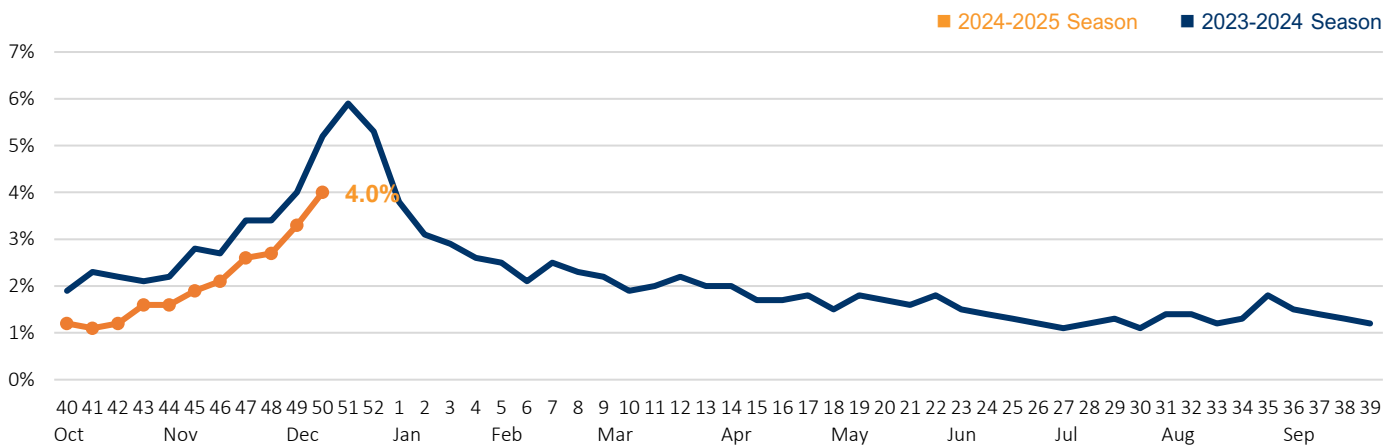
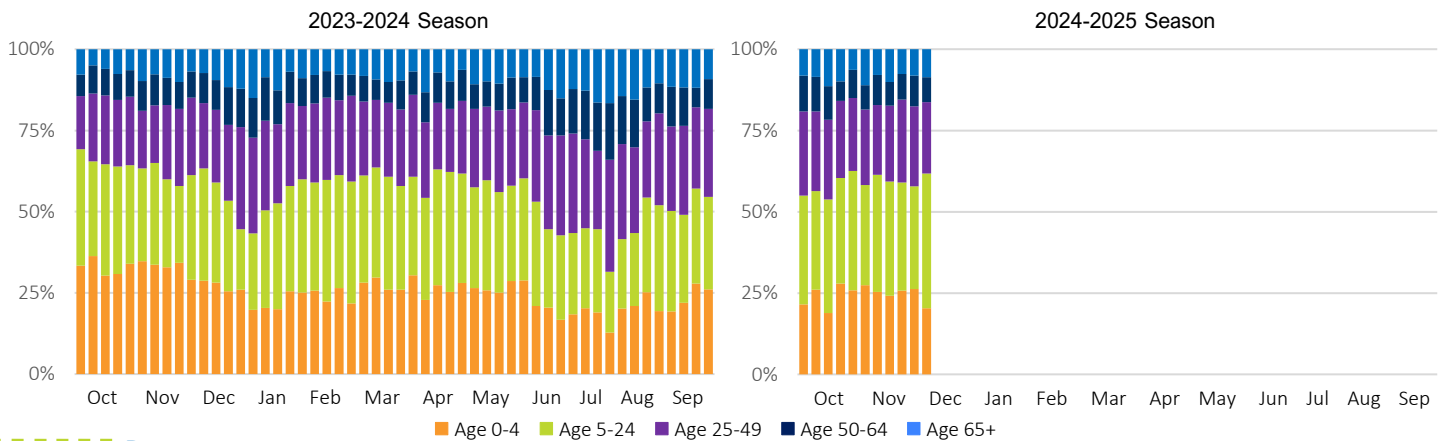


Figure 3. Percentage of ILI-related ED Visits by Age Group and Week

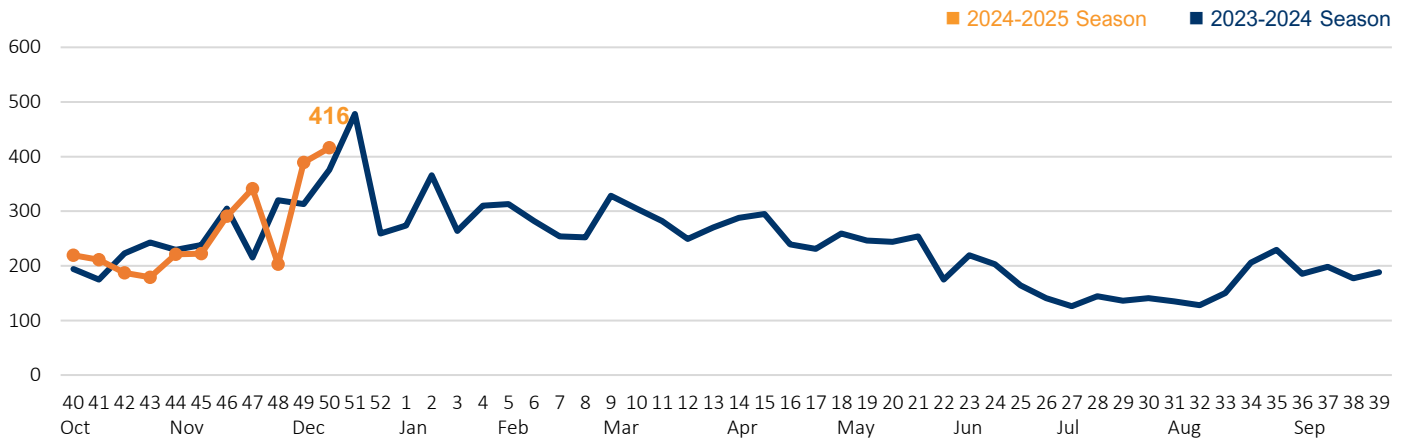


Data notes

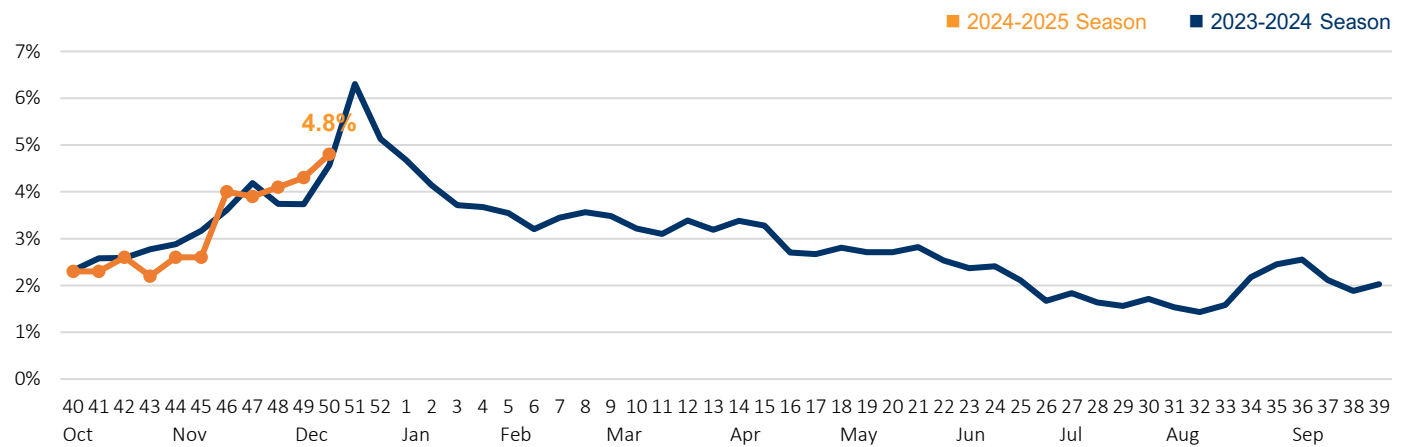
# OUTPATIENT SERVICE SYNDROMIC SURVEILLANCE

- ILI accounted for **4.8% (N=416)** of all outpatient visits compared to **4.3% (N=389)** during the previous week (Figures 4-5).
- Cumulatively, individuals aged **0-4 (26.6%)** had the most ILI-related outpatient visits (Figure 6).

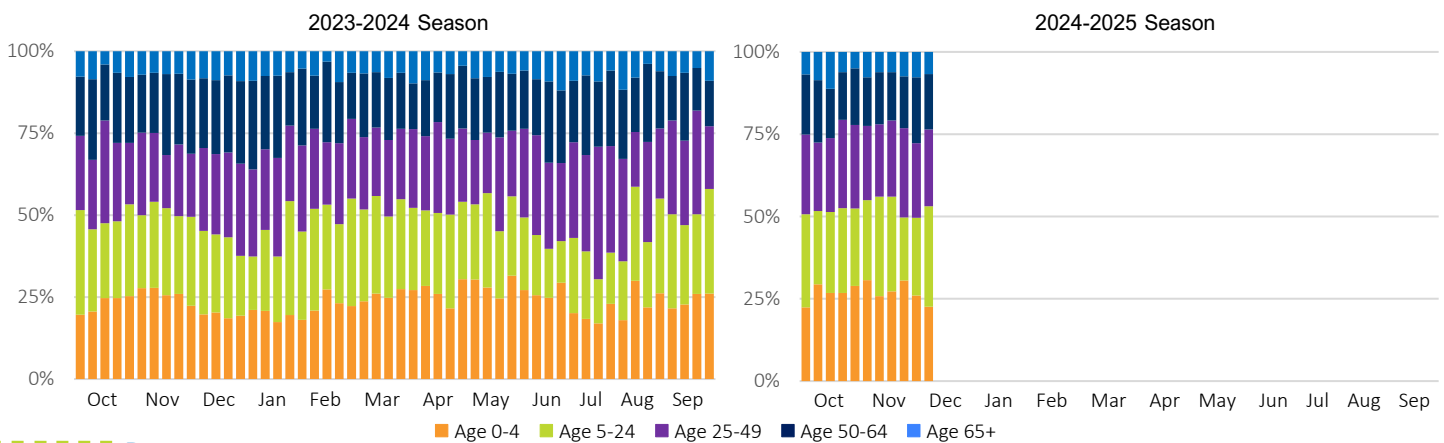
**Figure 4. Number of ILI-related Outpatient Visits by Week**



**Figure 5. Percentage of ILI-related Outpatient Visits by Week**



**Figure 6. Percentage of ILI-related Outpatient Visits by Age Group and Week**

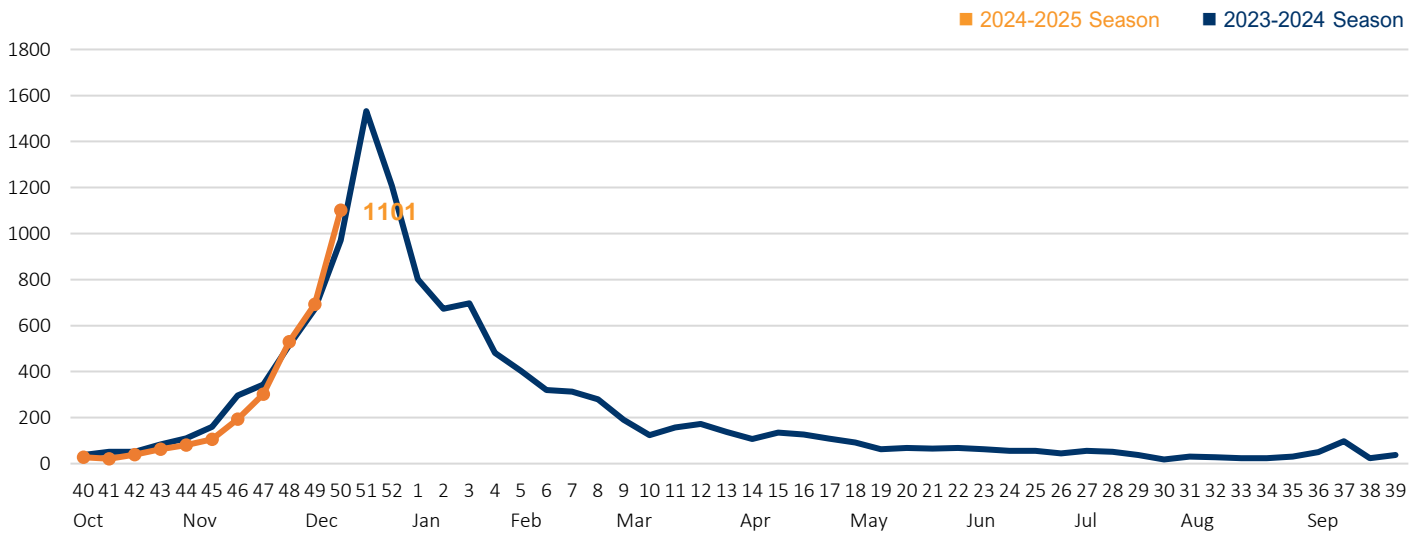


**Data notes**

# ELECTRONIC LABORATORY REPORTING SUMMARY

- **1101** positive influenza laboratory results were reported compared to **692** during the previous week (Figure 7).

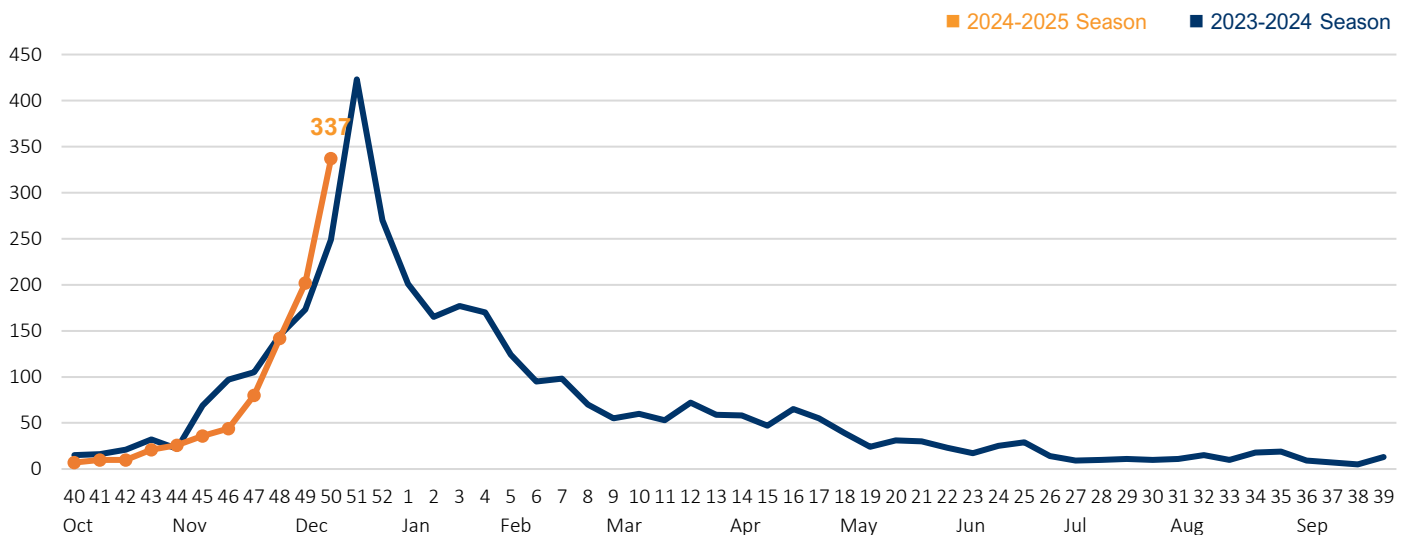
Figure 7. Number of Positive Influenza Laboratory Results by Week



## CLINICAL LABORATORY SURVEILLANCE

- The positivity rate for influenza was **20.0% (N=337)** compared to **14.2% (N=202)** during the previous week (Figures 8-9).
- Influenza A was the dominant strain, accounting for **90.6%** of all positive specimens (Figure 10).

Figure 8. Number of Positive Influenza Specimens by Week





# CLINICAL LABORATORY SURVEILLANCE

Figure 9. Positivity Rate by Week

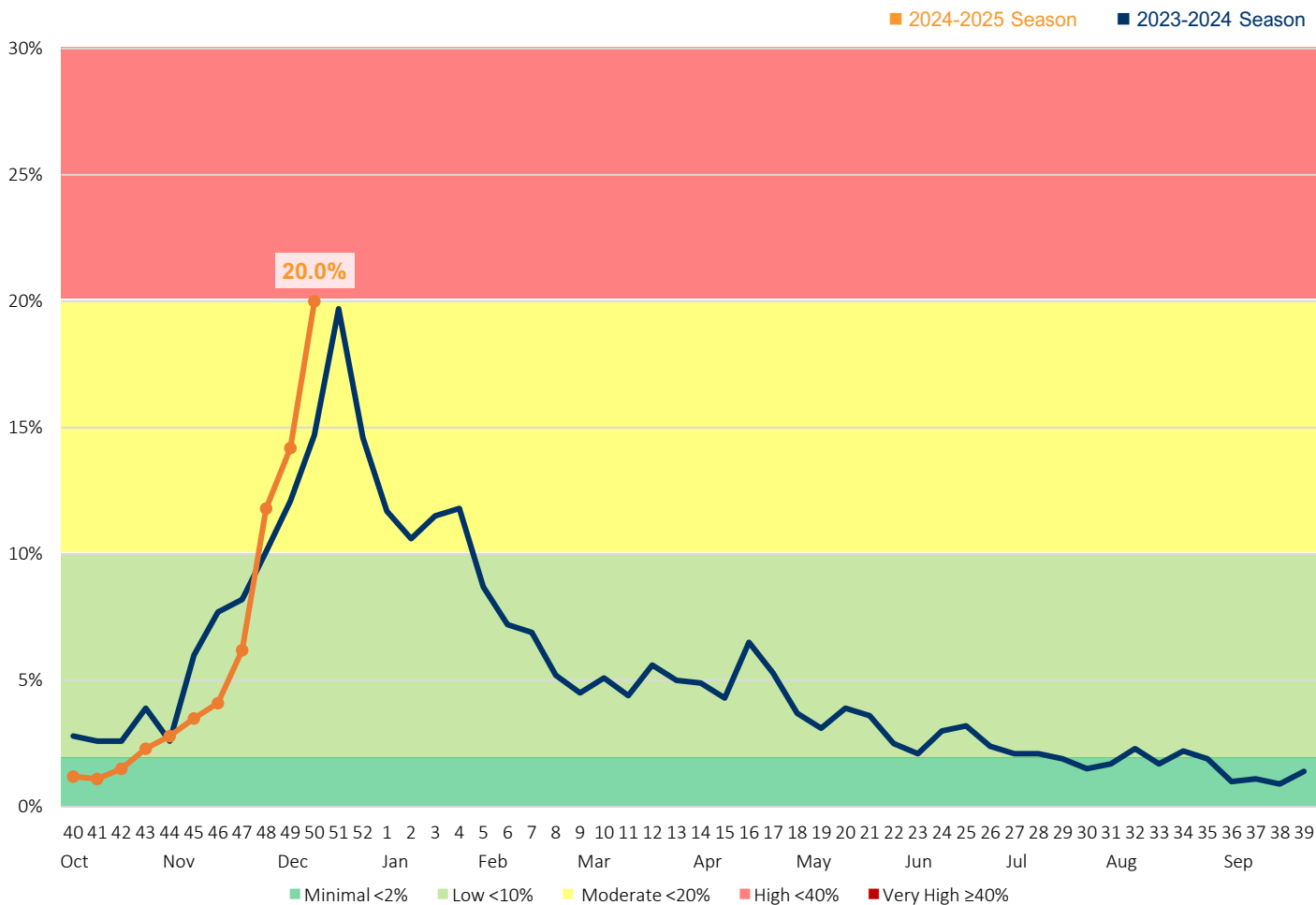
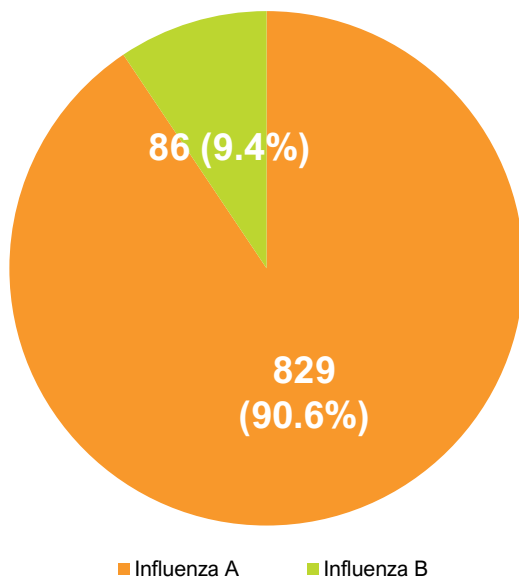
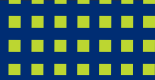


Figure 10. Positive Influenza Specimens by Strain Type, Season to Date





# PUBLIC HEALTH LABORATORY SURVEILLANCE

- According to the [CDC](#), **influenza A(H1N1)pdm09** and **A(H3N2)** viruses were the predominant viruses this week.
- **121** specimens had been subtyped by Riverside County PHL. **Influenza A(H3)** was the predominant virus in Riverside County (Table 1).

**Table 1. Riverside County PHL Influenza Specimens by Subtype or Lineage, This Week and Season to Date**

	Week 50	Data Cumulative Since Week 40
<b>A positive specimens</b>	19	121
• A(H1)pdm09	11 (57.9%)	46 (38.0%)
• A(H3)	8 (42.1%)	74 (61.2%)
• A, not subtyped	0	1 (0.8%)
<b>B positive specimens</b>	0	-
• B Victoria	0	-
• B Yamagata	0	-
• B, not lineage typed	0	-

## INFLUENZA-ASSOCIATED ICU CASES AND OUTBREAKS

- **1 influenza-associated ICU hospitalization** (0-64 years old) and **no influenza-associated outbreaks** have been confirmed during this influenza season (Table 2).

**Table 2. Influenza-associated ICU Cases and Outbreaks, This Week and Season to Date**

	ICU Cases 0-64 Years	Outbreaks
Week 50	0	0
Season To Date	1	0

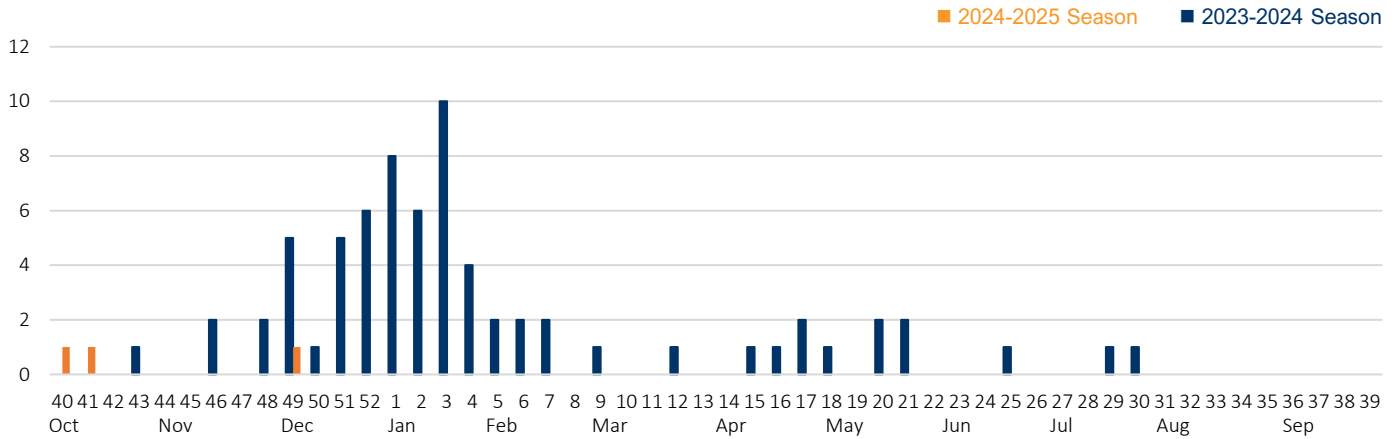




# MORTALITY SURVEILLANCE

- **3 influenza-coded deaths** had been identified (Figure 11 & Table 3).
- The overall percentage of influenza-coded deaths was **0%** compared to **0%** during the previous week (Figure 12).

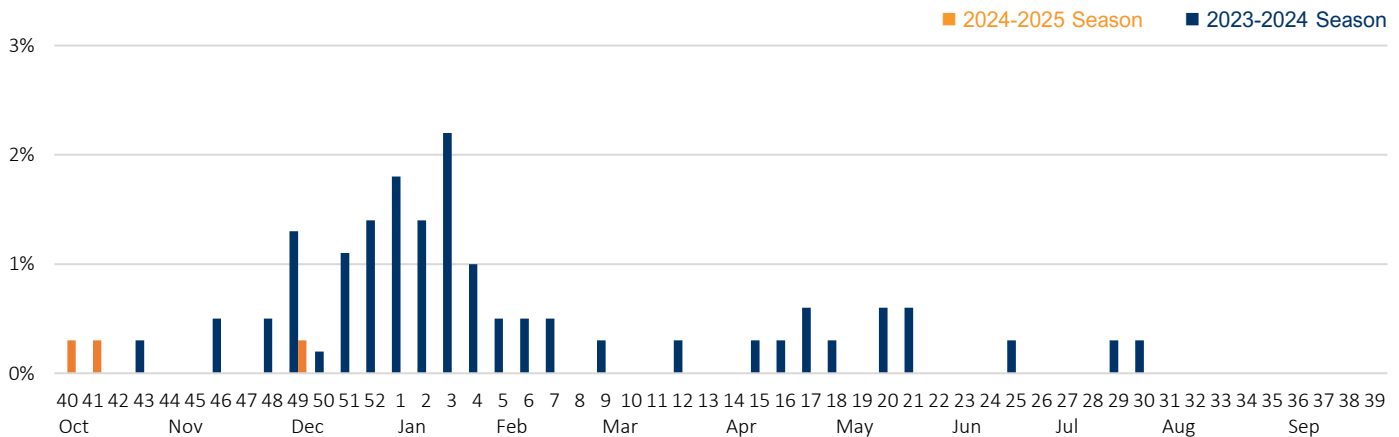
**Figure 11. Number of Influenza-Coded Deaths by Week**



**Table 3. Number of Influenza-Coded Deaths by Age Group, Season to Date**

	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Unknown	Total
2023-2024 Season	2	3	9	18	37	1	70
2024-2025 Season	0	0	0	0	3	0	3

**Figure 12. Percentage of Influenza-Coded Deaths by Week**



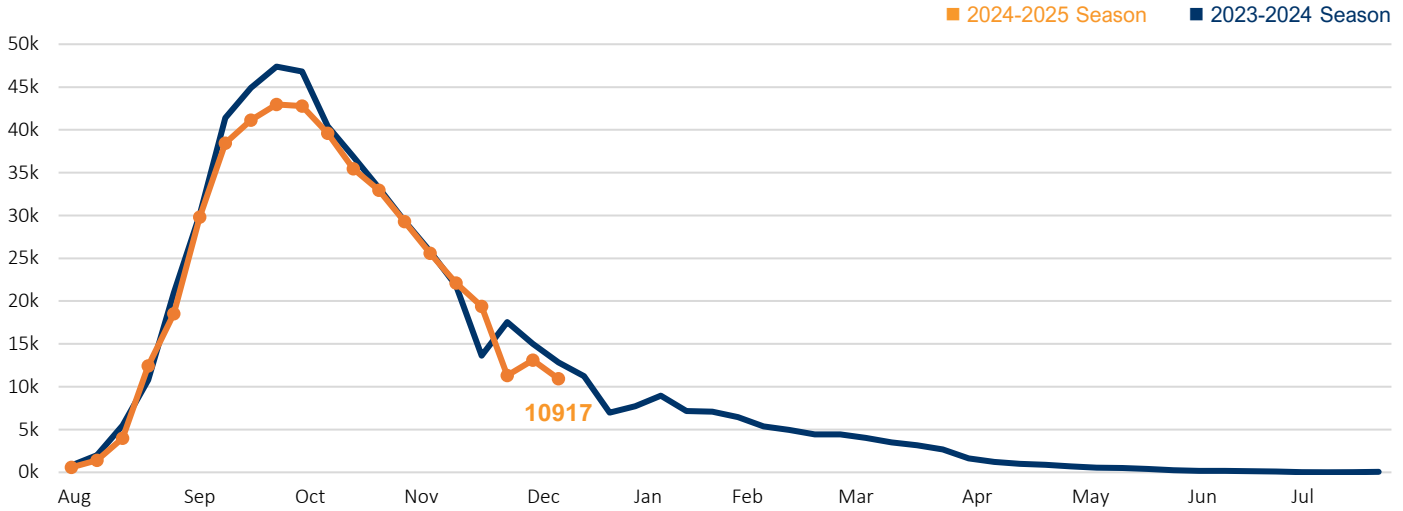




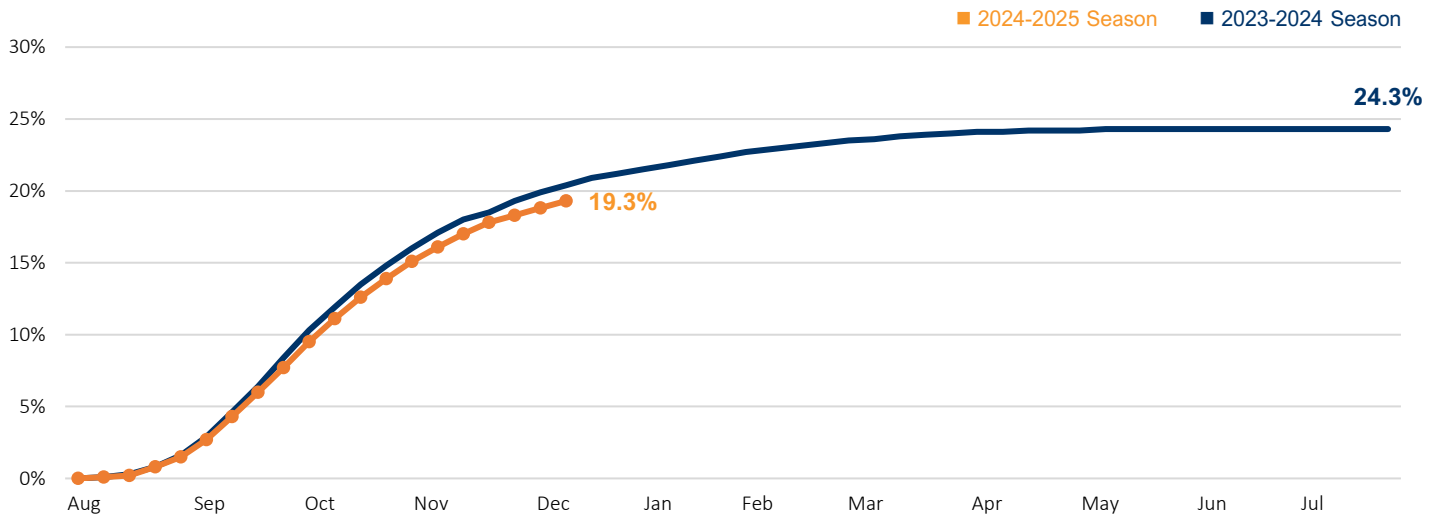
# INFLUENZA VACCINATIONS

- **19.3%** of residents in Riverside County (**N=471,735**) had been vaccinated, **1.1%** lower than the corresponding cumulative coverage rate during the 2023-2024 influenza season (Figures 15-16).
- Vaccination coverage was highest among people aged **65+** and lowest among people aged **5-24** (Table 4).

**Figure 13. Number of County Residents Vaccinated for Influenza by Week**

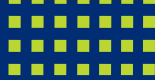


**Figure 14. Influenza Vaccination Coverage among County Residents, Season To Date**



**Table 4. County Residents Vaccinated for Influenza by Age Group, August 2024-Present**

	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total
Influenza Vaccination & Percent	21,320 (15.8%)	71,784 (10.2%)	99,543 (12.7%)	102,811 (24.4%)	176,277 (44.1%)	471,735 (19.3%)



# PUBLIC HEALTH RECOMMENDATIONS AND RESOURCES

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**The best way to reduce risk from seasonal flu infection and its potentially serious complications is to get vaccinated annually. Flu vaccines are designed to protect against the viruses that will be most common this influenza season and are recommended for individuals 6 months and older who do not have contraindications.**

## **Explore RUHS-PH Resources:**

- [Respiratory Viruses](#)
- [Respiratory Illness Dashboard](#)

## **Explore CDPH Resources:**

- [Respiratory Virus Weekly Report](#)
- [Influenza \(Flu\)](#)
- [Novel Influenza](#)

## **Explore CDC and Other Resources:**

- [Weekly U.S. Influenza Surveillance Report \(FluView\)](#)
- [Influenza \(Flu\)](#)
- [FluView Interactive](#)
- [FluVaxView- Flu Vaccine Coverage](#)



# DATA NOTES

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Riverside University Health System–Public Health (RUHS-PH) collects influenza data through a variety of sources, including the Centers for Disease Control and Prevention (CDC)’s National Syndromic Surveillance Program (NSSP), California Reportable Disease Information Exchange (CalREDIE), California Integrated Vital Records System (Cal-IVRS), California Immunization Registry (CAIR), Riverside County Public Health Laboratory, Riverside University Health System–Medical Center (RUHS-MC) and sentinel providers. This report summarizes the current influenza surveillance data in the county.

## Emergency Department Syndromic Surveillance

- Data are retrieved from NSSP. Sixteen out of the seventeen acute care hospitals in Riverside County are currently participating in the NSSP. Influenza-like illness (ILI)-related visits are identified using syndrome definition of ILI CCDD v1 developed by CDC.

## Outpatient Service Syndromic Surveillance

- Data are reported by RUHS-MC weekly. ILI-related outpatient visits include any face-to-face, phone and video visits. ILI records were retrieved based on visit diagnosis, which was not laboratory-confirmed.

## Electronic Laboratory Reporting Summary

- Data are retrieved from CalREDIE. Per Title 17, California Code of Regulations section 2505, laboratory results for influenza are required to be reported, including all positive and non-positive (negative, indeterminate, etc.) test results from both nucleic acid amplification tests (NAAT) and non-NAAT diagnostic tests (e.g., high throughput antigen tests) are reportable within one day from facilities certified under CLIA to perform non-waived (moderate- or high-complexity) testing. However, non-positive test results are not consistently reported by laboratories. Hence, positivity rates cannot be calculated.

## Clinical Laboratory Surveillance

- Data are reported by RUHS-MC and Eisenhower Health weekly. Influenza laboratory data include all positive and non-positive test results. Please note, few individuals might be tested multiple times. A specimen positive for both influenza A and influenza B will be counted separately.

## Public Health Laboratory Surveillance

- Data are reported by Riverside County PHL periodically. Riverside County PHL actively requests positive specimens from clinical laboratories in Riverside County for influenza virus characterization and early detection of novel viruses.





# DATA NOTES

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## Influenza-Associated ICU Cases and Outbreaks

- Data are retrieved from CalREDIE. RUHS-PH requires mandatory reporting of laboratory-confirmed cases in intensive care unit (ICU) for ages 0-64 years. CDPH requires mandatory reporting of any respiratory disease outbreak, including influenza. Outbreak is defined as two or more cases of ILI (from separate households) in a setting within a 72-hour period with at least one case of laboratory-confirmed influenza. ILI is defined as fever ( $>37.8^{\circ}\text{C}$  or  $100^{\circ}\text{F}$ ) and either cough or sore throat in the absence of a known cause other than influenza.

## Mortality Surveillance

- Data are retrieved from Cal-IVRS. Influenza-coded deaths are defined as deaths who had influenza (text or coded) noted in any cause of death field on the death certificate, including immediate cause, underlying cause and other significant conditions. The International Classification of Diseases (ICD-10) codes used for influenza are J09-J11.

## Vaccination Summary

- Data are retrieved from CAIR. August is used as the cutoff month because influenza vaccine distribution for the new season generally begins in August and continues until all of the vaccines are distributed. The date of first dose was used for those who received two or more doses. With the passage of AB 1797 (effective January 1, 2023), California healthcare providers are required to enter immunizations into the CAIR or RIDE/Healthy Futures. Please note, not all immunizations are in the state's database (e.g. vaccines administered in federal facilities or institutions). Therefore, the vaccinated population may be underestimated.

