



Healthy People Thriving in a Healthy Southern Nevada

Update on Seasonal Respiratory Diseases

Public Health Advisory Board Meeting

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Senior Epidemiologist
Office of Epidemiology

October 12, 2026

Agenda

Background

- Disease Surveillance and Control Respiratory Monitoring

Updates

- SARS-CoV-2
- Influenza A and B
- RSV

Methods of Monitoring Respiratory Diseases



Syndromic



Case-based



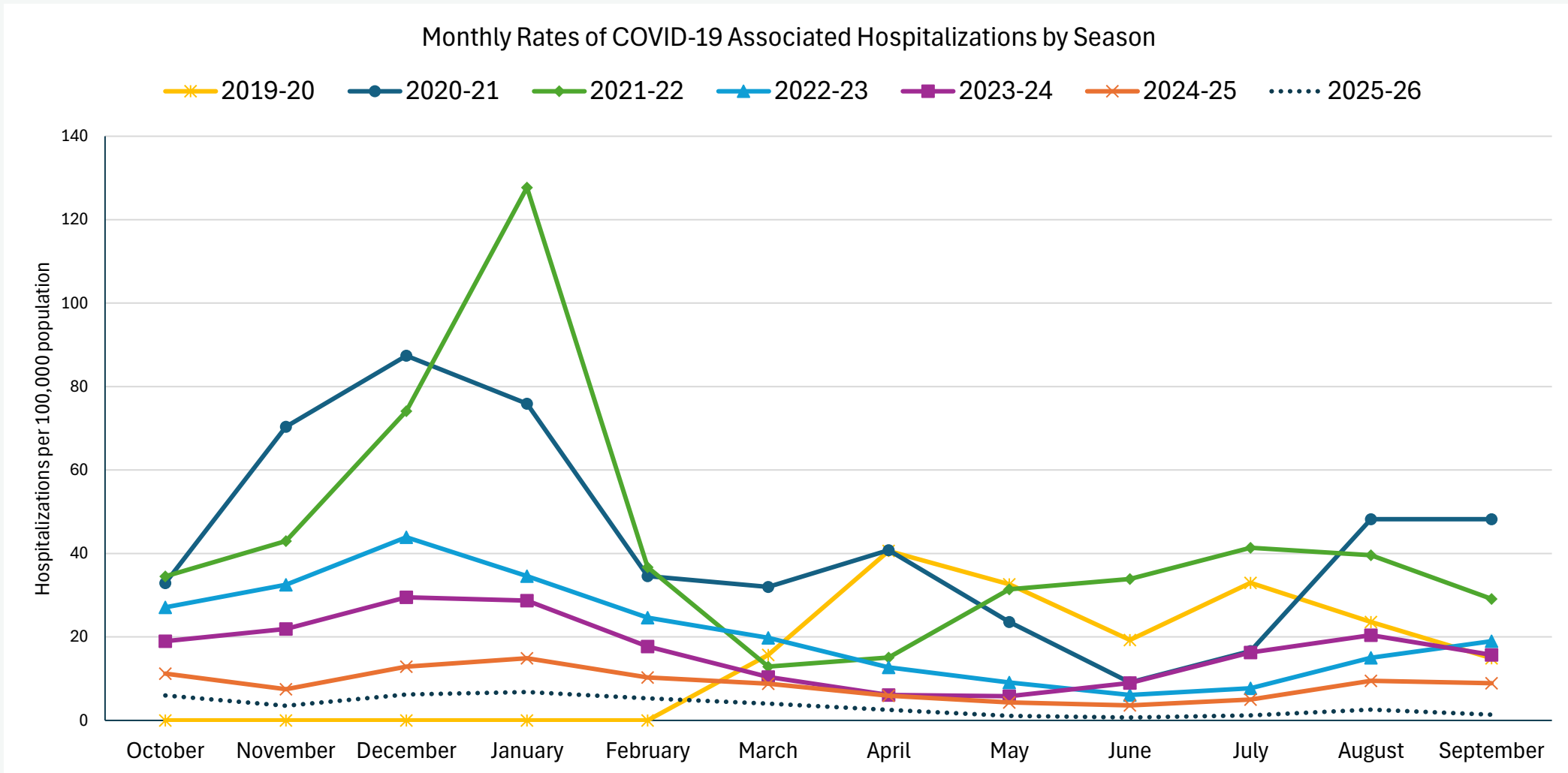
Mortality



Wastewater

COVID-19

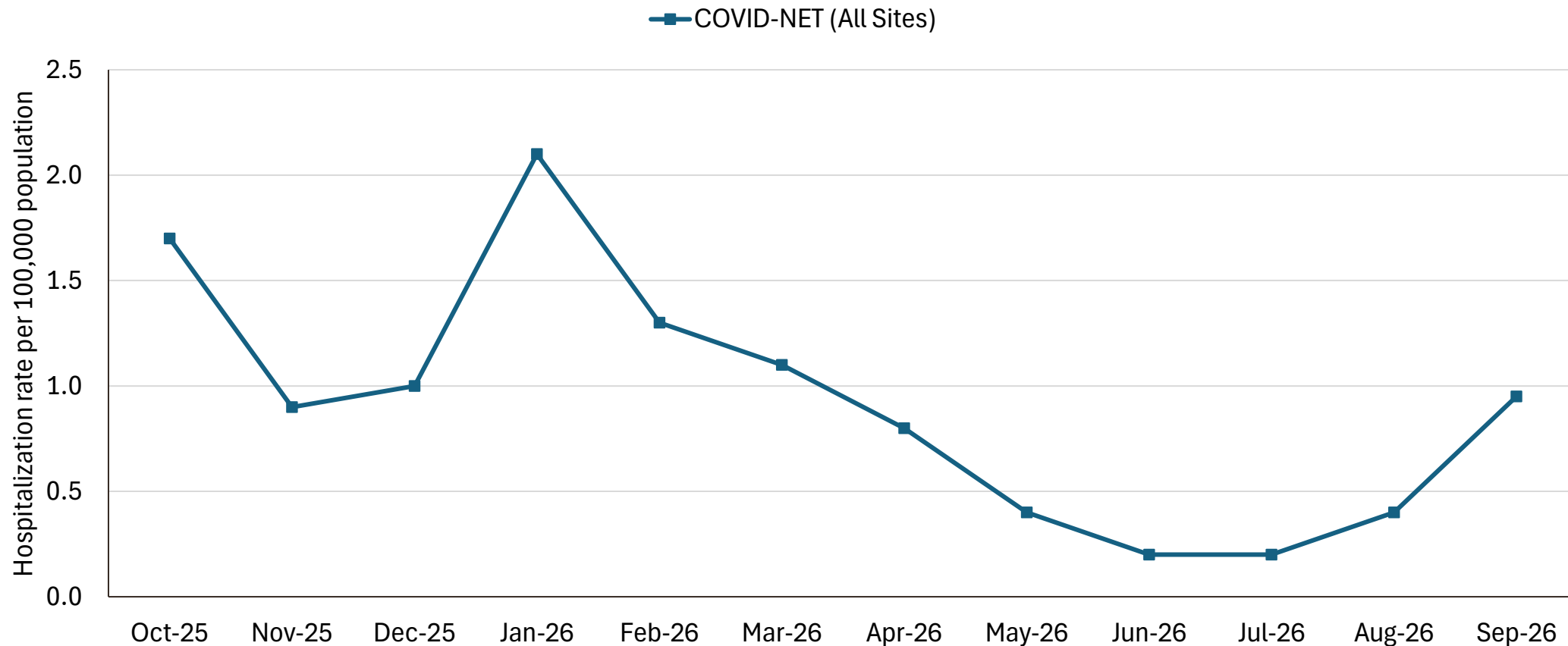
Reported COVID-19 Associated Hospitalizations by Season, United States, 2019 - 2026



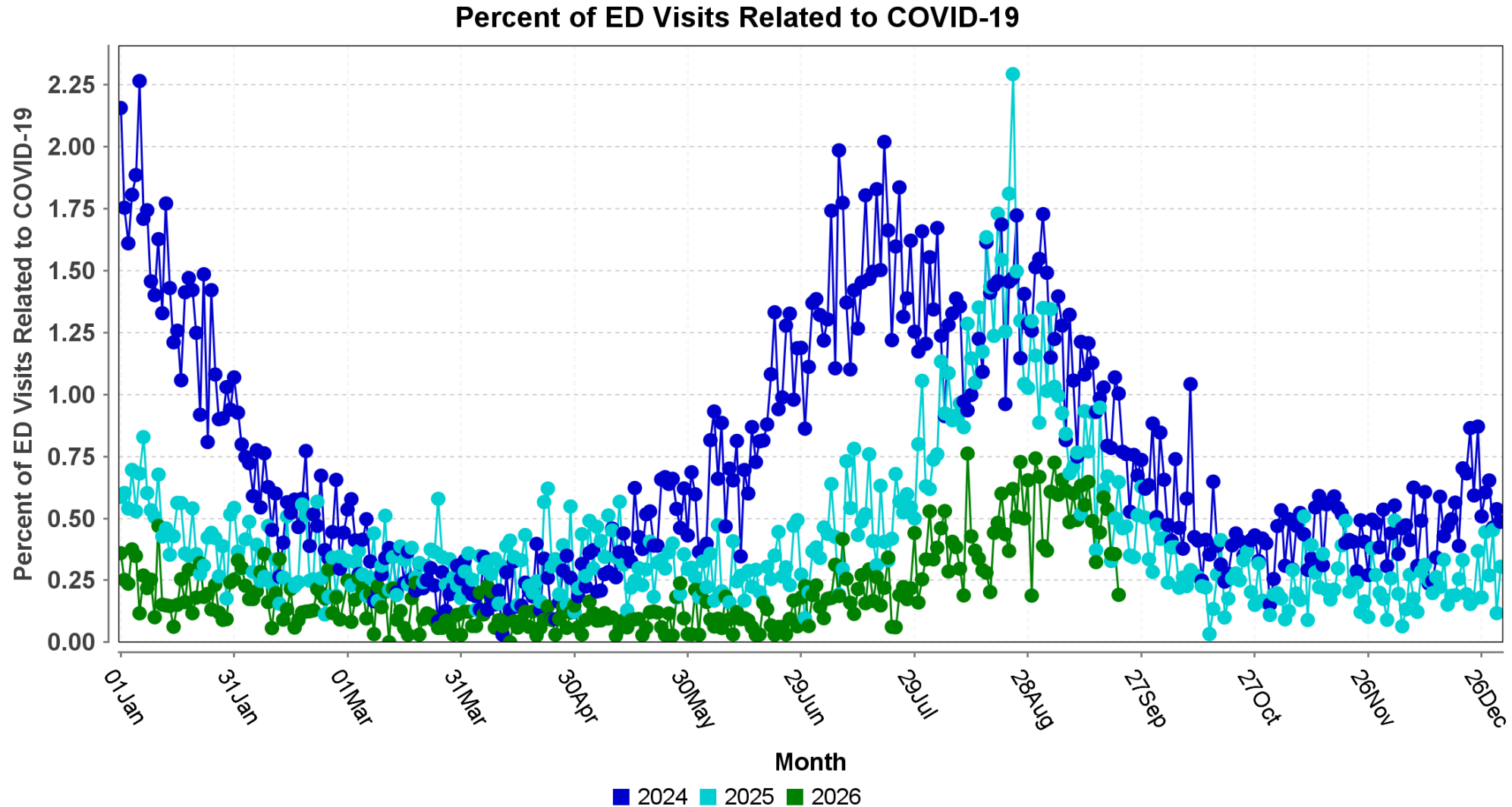
Data Source: [COVID-NET](#) | [Covid](#) | [CDC](#), accessed 9/22/2026

Reported COVID-19 Associated Hospitalizations, United States, 2025-2026 season

Weekly Rates of COVID-19 Associated Hospitalizations by Site, 2025-2026



Percent of ED Visits Related to COVID-19 2024 to 2026 in Clark County, NV

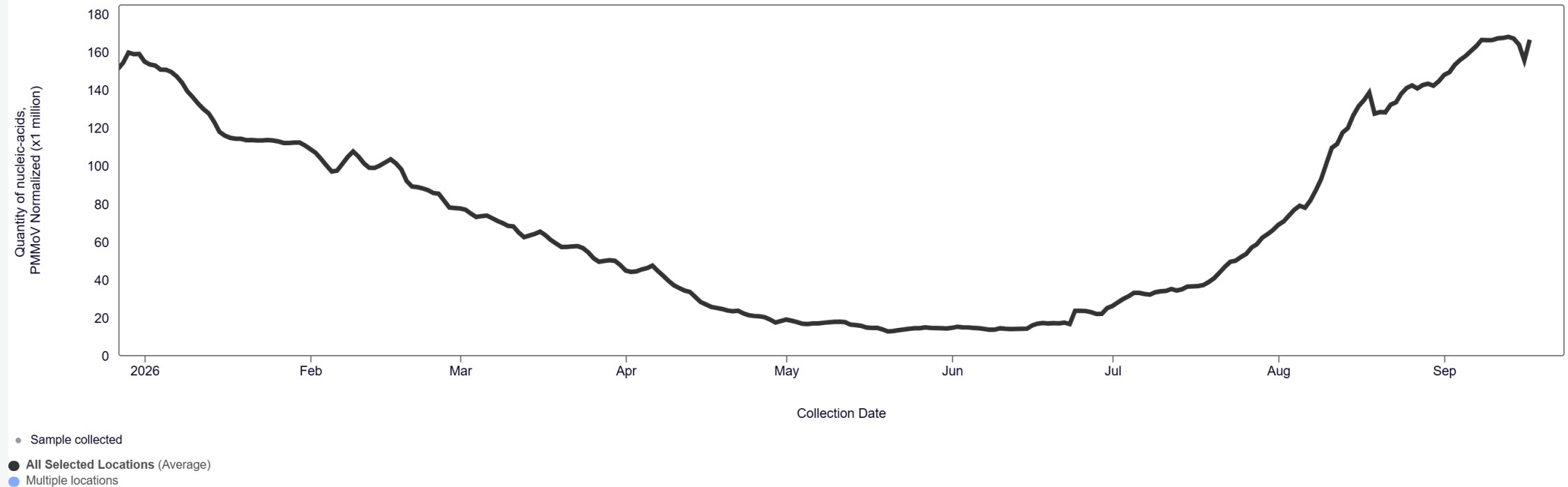


Data Source: ESSENCE, as of 9/22/2026

Wastewater Surveillance for COVID-19

United States, as of 9/22/2026

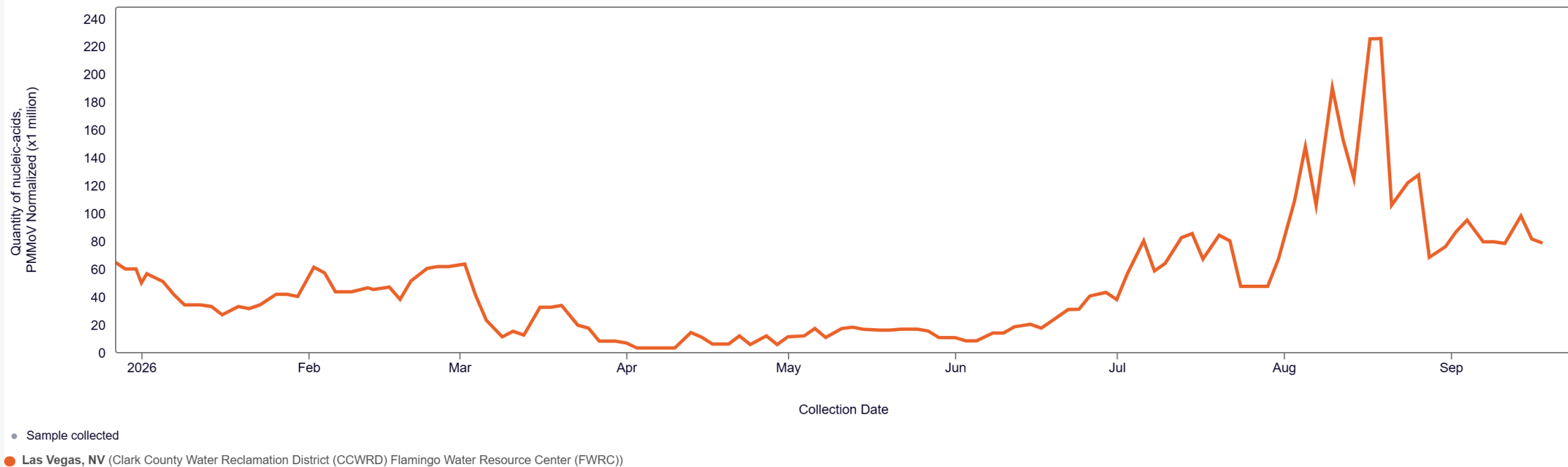
SARS-CoV-2, All Wastewater Sites



Wastewater Surveillance for COVID-19

Clark County, NV, as of 9/22/2026

SARS-CoV-2, Las Vegas, NV



Wastewater Surveillance for COVID-19

Clark County, NV

Plant Name	City	Timeframe	5 Sample Rolling Mean	14 Day Trend	Last Sample Date
Flamingo Water Resource Center (CCWRD)	Las Vegas	Current	78.81	Decreasing	09/21/2026
Mesquite Wastewater Treatment Plant*	City of Mesquite	Current	151.73	Decreasing	9/10/2026
Boulder Wastewater Treatment Plant*	Boulder City	Current	90.16	Decreasing	9/9/2026

Note: The wastewater data for Las Vegas were collected from the Flamingo Water Reclamation District Plant, where samples were analyzed on solids and sourced from Wastewater SCAN. In contrast, data for the City of Mesquite and Boulder City were analyzed on liquid samples by Verily and provided by the State Wastewater Epidemiology Team. Due to the differences in sample matrices (solids vs. liquids) and analytical methods, variations in virus concentrations between the three facilities are expected. Mesquite and Boulder sampling is conducted using grab sampling and is not performed over a 24-hour period

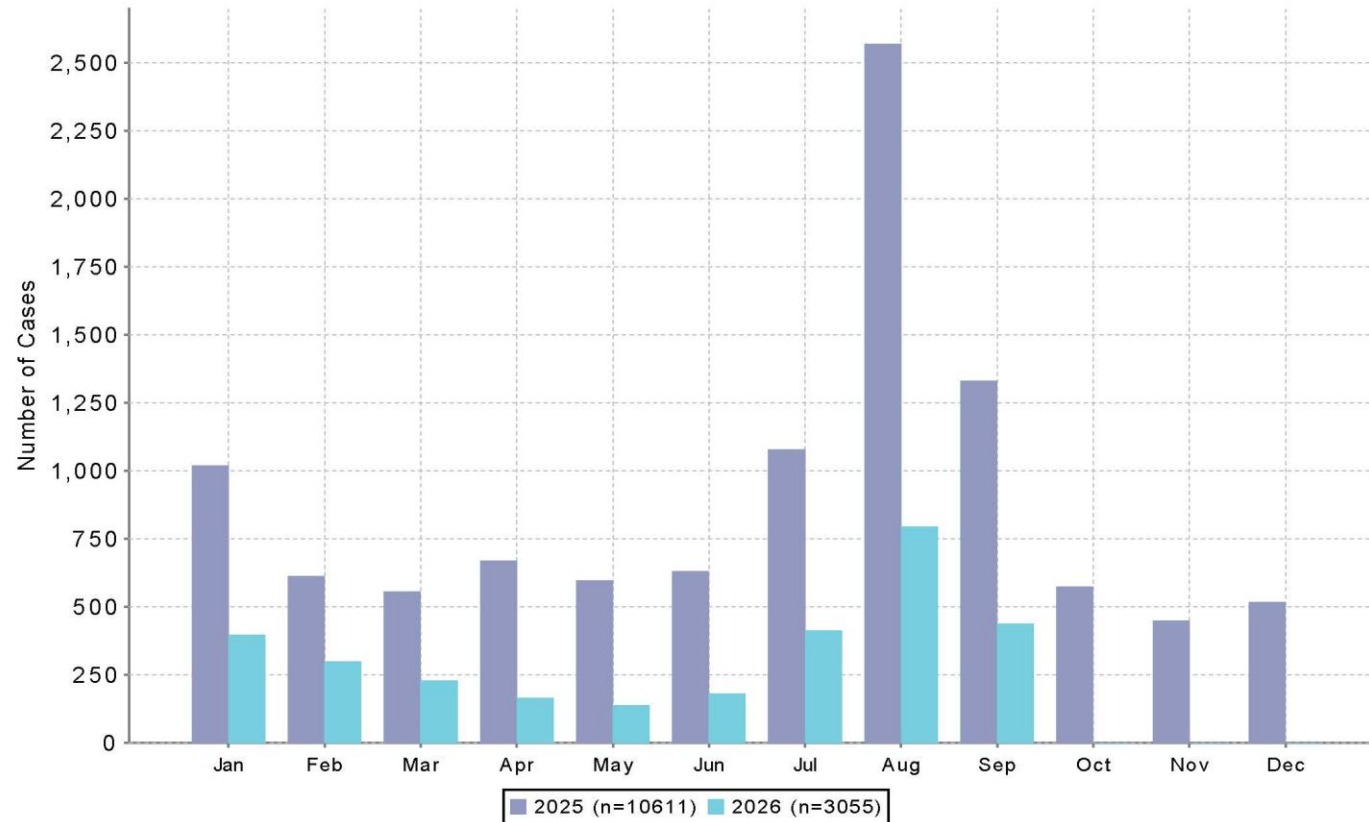
*Testing is currently suspended.

Reported COVID-19 Cases, 2025 – 2026

Clark County, NV



Novel Coronavirus by Month and Year, Clark County, NV
2025-2026 (n=13,666)



* 2026 data is incomplete.

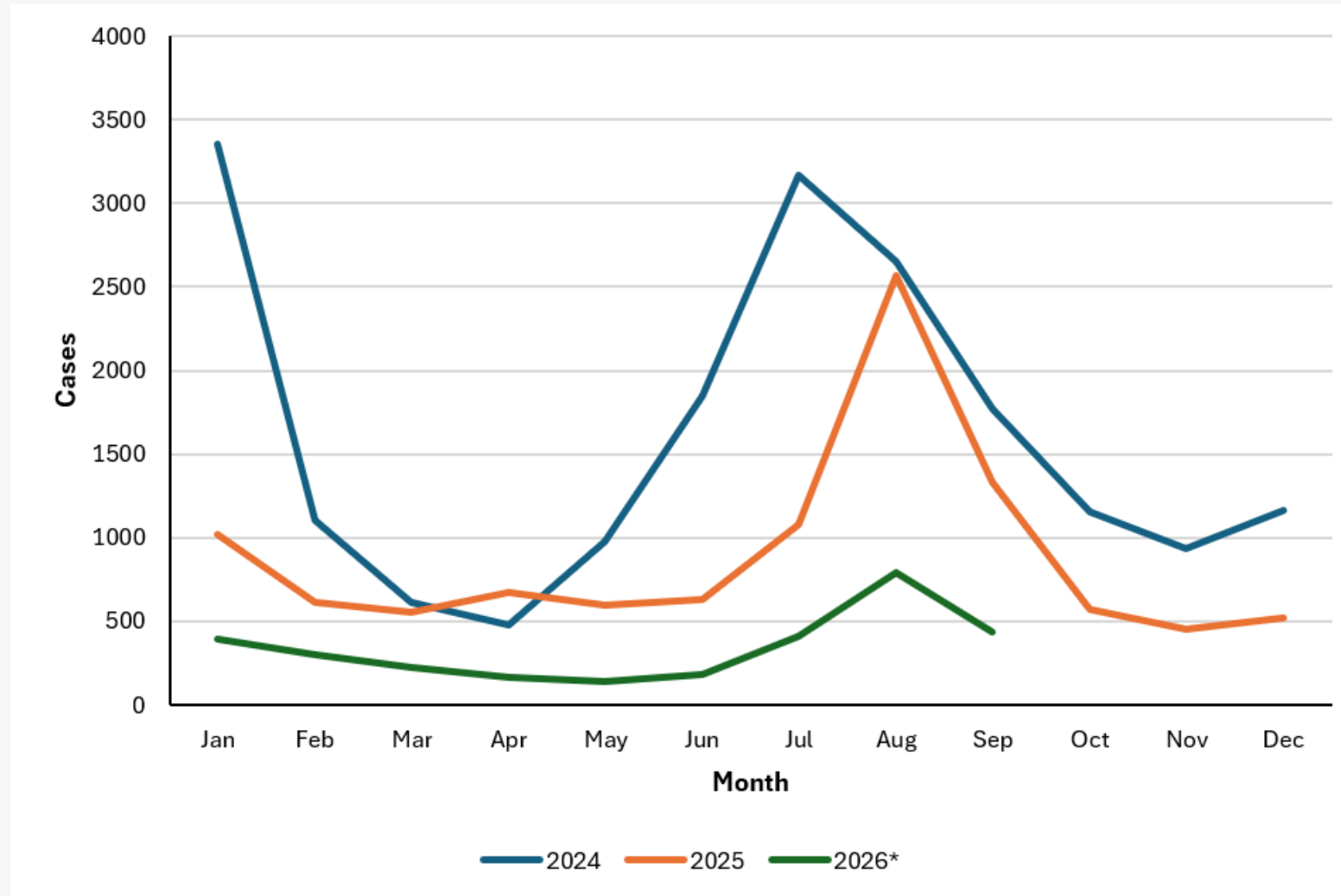
Inclusion Criteria for cases: Public health status is one of "Approved by Local Health Dept.", "Reopened by State", or "Closed" and LHD case status is one of "Confirmed", "Probable", or "Suspect"

Prepared by Office of Epidemiology and Office of Informatics

Report produced on September 23, 2026

COVID-19 Cases by Month and Calendar Year, 2024 - 2026¹³

Clark County, NV

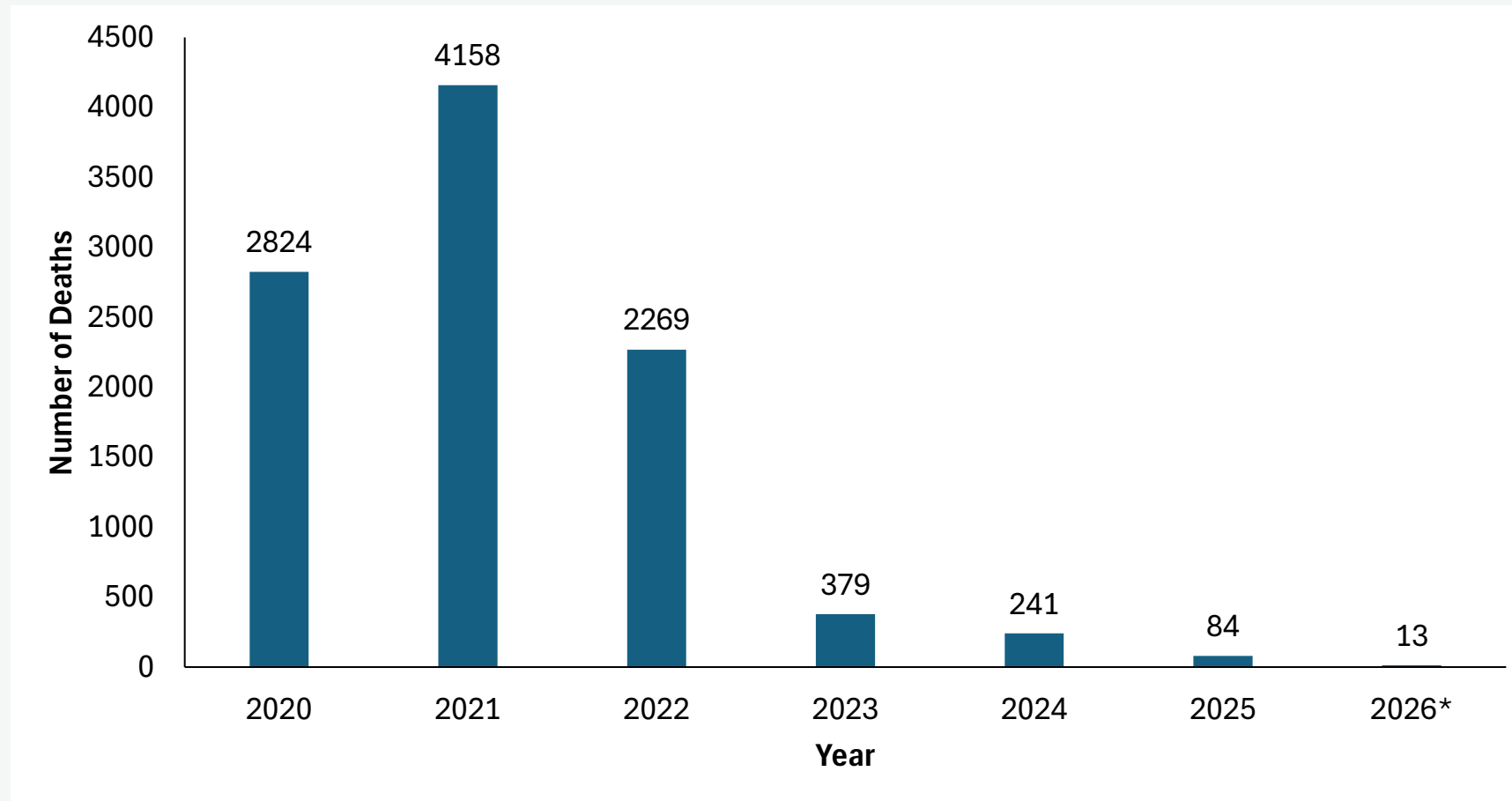


Data Source: SNHD Surveillance Data, as of 9/23/2026

* 2026 data are preliminary

COVID-19 Deaths by Year, 2020-2026

Clark County, NV



Data Source: SNHD Surveillance Data, as of 9/23/2026

*2026 data are preliminary

COVID-19 Deaths by Age, 2026*

Clark County, NV

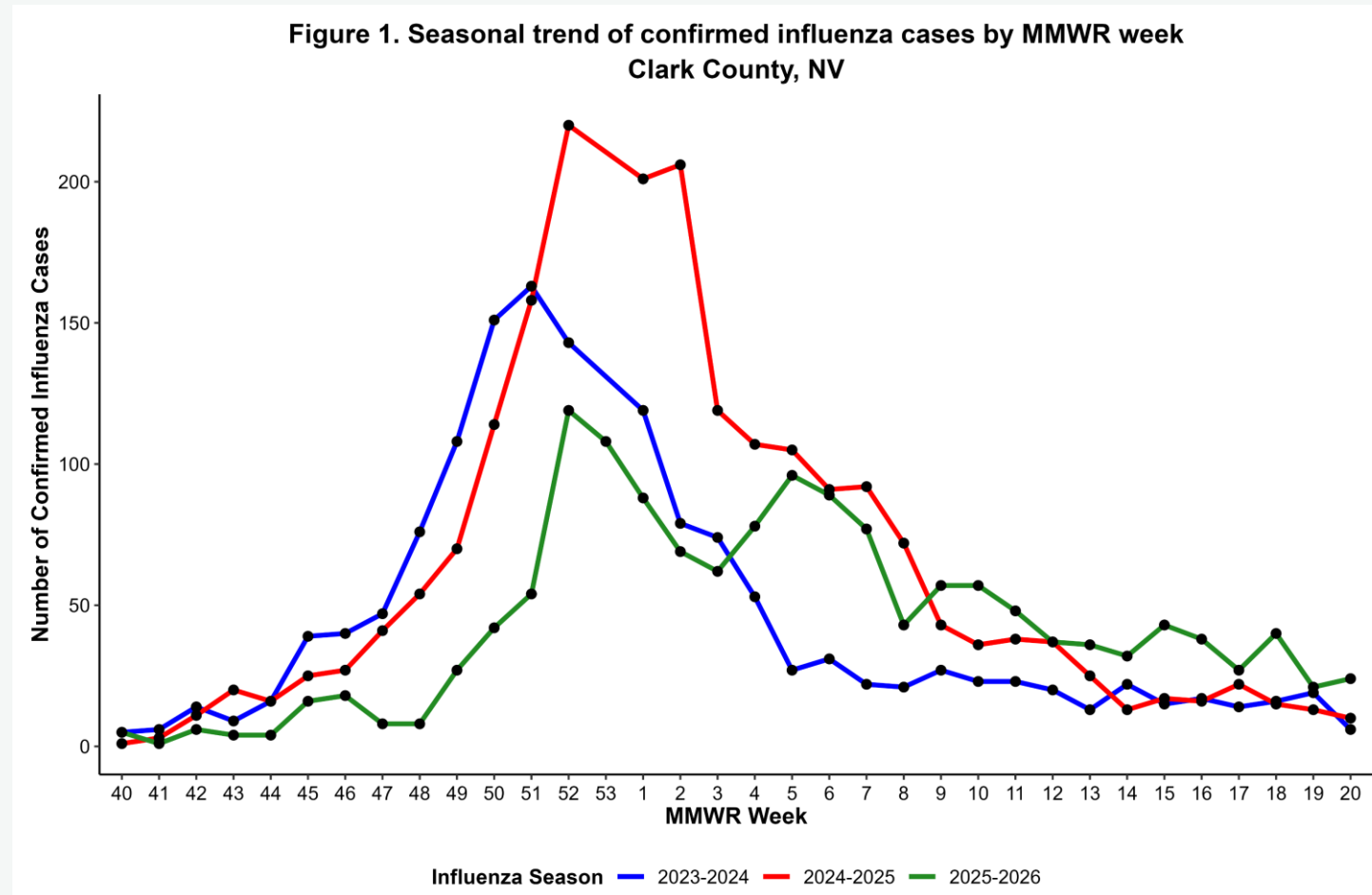
Age Group	Deaths
0 - 4	0
5 - 17	0
18 - 24	0
25 - 49	0
50 - 64	1
65 +	12
Total Deaths	13

Data Source: SNHD Surveillance Data as of 9/23/2026, Clark County, NV residents

*2026 data are preliminary

Influenza

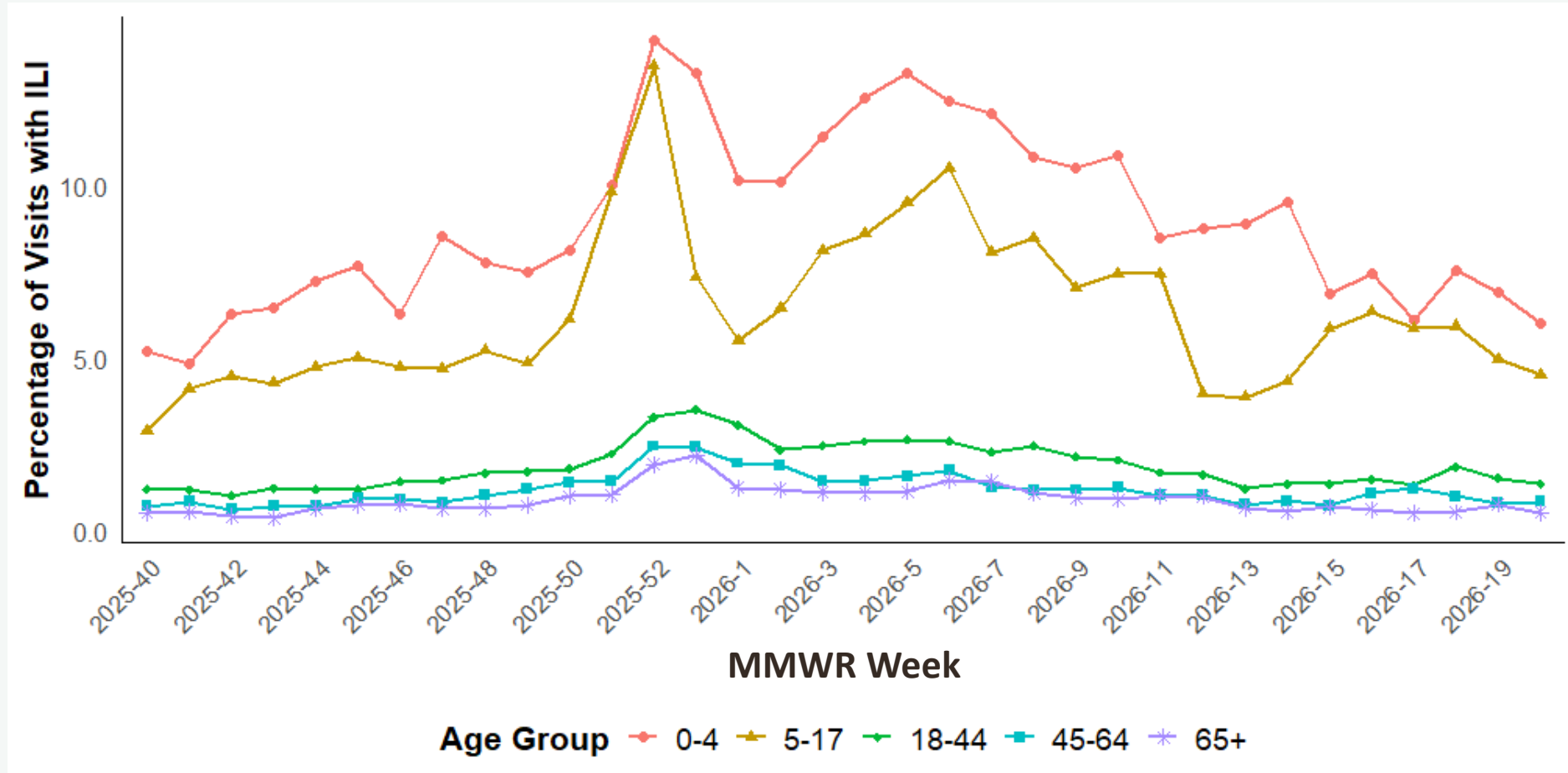
Confirmed Influenza Cases with Hospitalization or Death by Season – 2023 to 2026 in Clark County, NV



*Figure shows Clark County reportable Influenza cases defined as individuals with a positive influenza test who were hospitalized and/or who later died due to flu or comparable illness

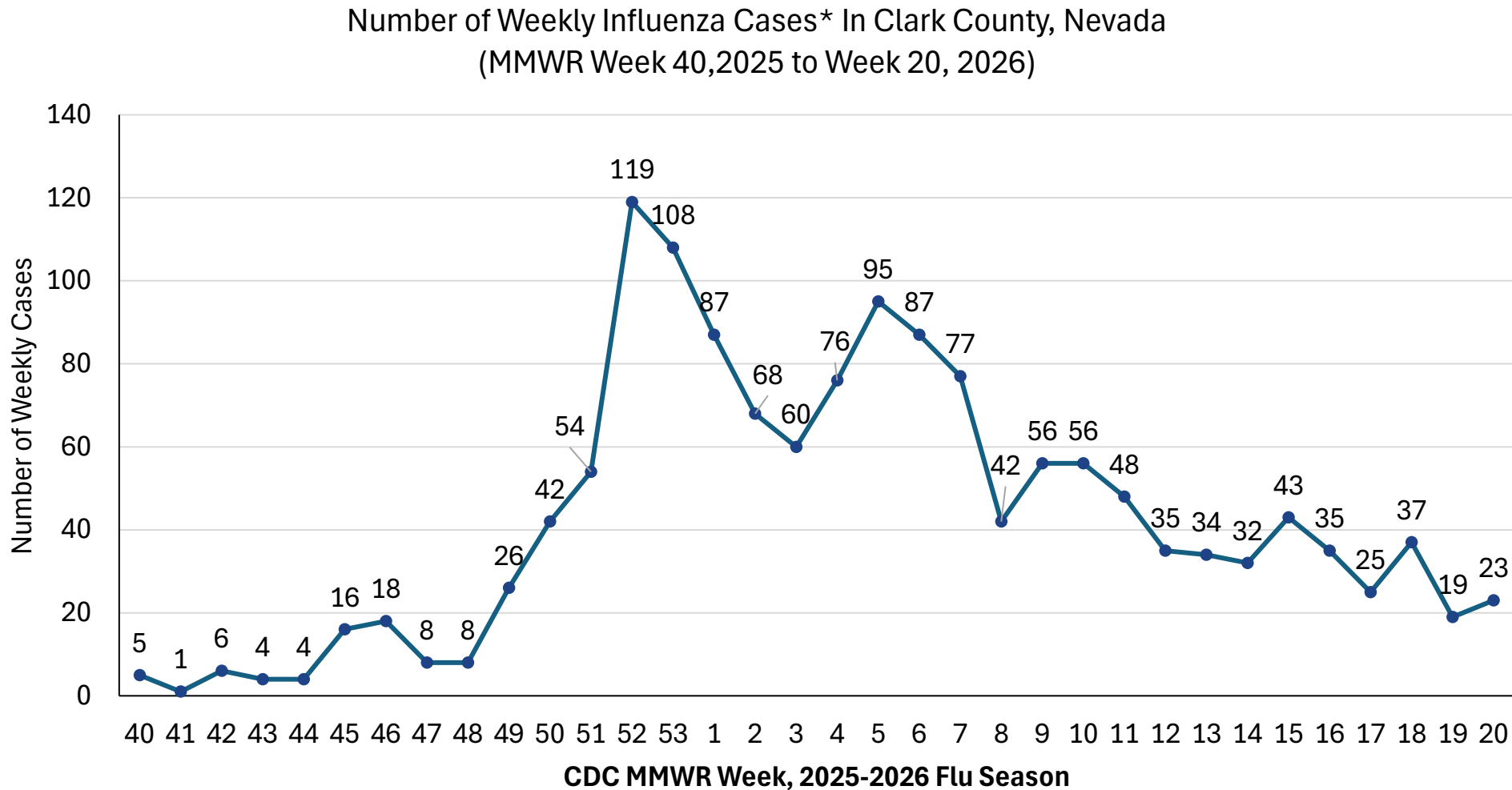
Data Source: SNHD Surveillance Data, as of 9/23/2026

Age Distribution of Emergency Room and Urgent Care Visits for Influenza-Like Illness (ILI) in Clark County, NV, MMWR Week 40, 2025 to Week 20, 2026¹⁸



Data Source: Centers for Disease Control and Prevention, National Syndromic Surveillance Program, ESSENCE, as of 6/02/2026

Influenza Surveillance in 2025-2026 Season



*Figure shows Clark County reportable Influenza cases defined as individuals with a positive influenza test who were hospitalized and/or who later died due to flu or comparable illness

Data Source: SNHD Surveillance Data, as of 9/23/2026

Influenza Cases by Virus Strain*, MMWR Week 40, 2025 to Week 20, 2026

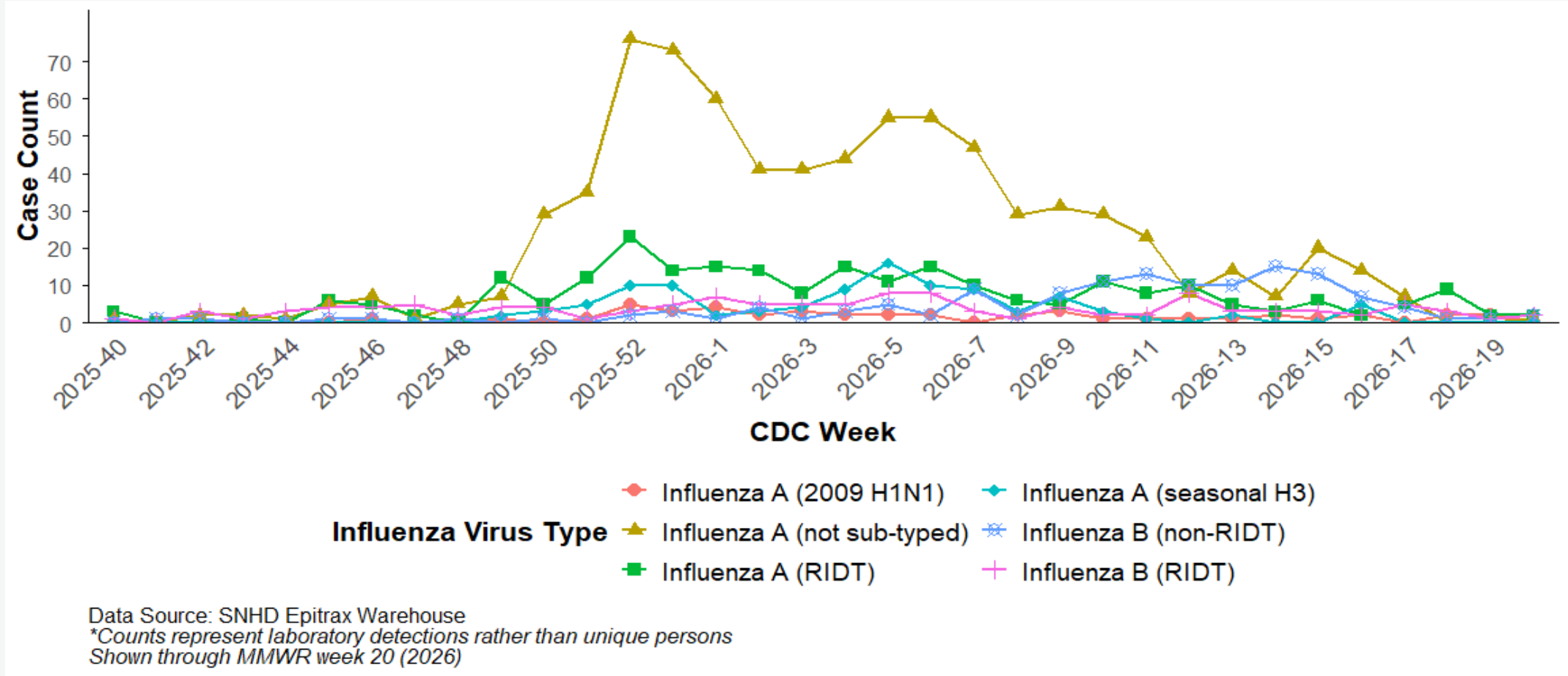
Influenza Strain	Hospitalized	Deaths	Confirmed Cases
Influenza A (2009 H1N1)	41	5	44
Influenza A (RIDT)	257	7	258
Influenza A (not sub-typed)	778	28	780
Influenza A (seasonal H3)	92	10	102
Influenza B (RIDT)	120	3	120
Influenza B (non-RIDT)	149	3	150
Total	1,437	56	1,454

*Confirmed cases are defined as a case that meets laboratory criteria AND had a hospitalization (>24 hours) or has died. In rare instances where both Influenza A and B were detected for the same individual, the case is counted under both virus types.

Data Source: SNHD Surveillance Data as of 9/23/2026, Clark County, NV residents

Influenza Surveillance in 2025-2026 Season

Distribution of Influenza Cases by Virus Strain – Clark County, NV
MMWR Week 40, 2025 to Week 20, 2026



*Figure shows Clark County reportable Influenza cases defined as individuals with a positive influenza test who were hospitalized and/or who later died due to flu or comparable illness

Data Source: SNHD Surveillance Data, as of 6/02/2026



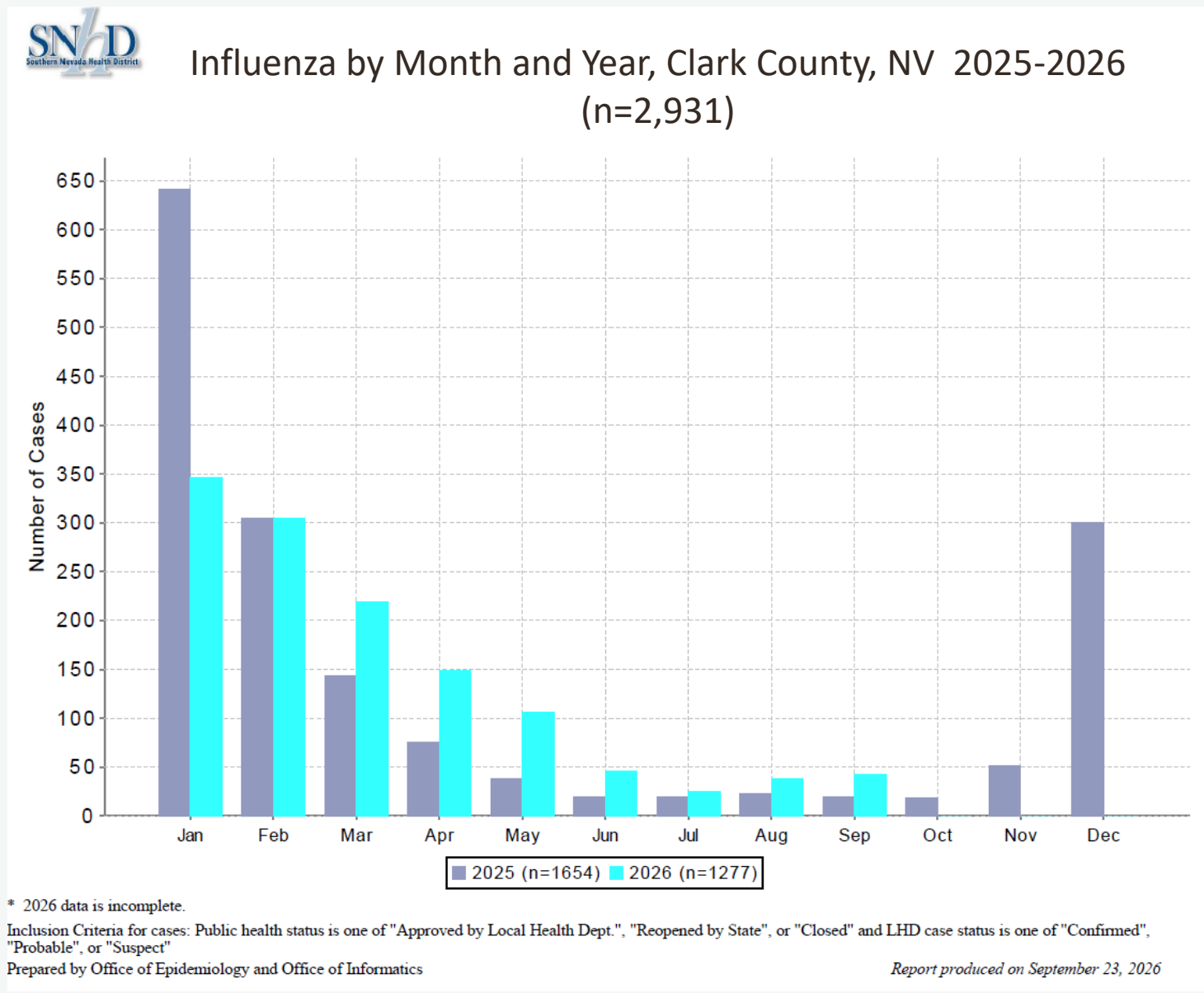
Influenza Cases by Age Group, MMWR Week 40, 2025 to Week 20, 2026

Age Group	Hospitalized	Hospitalized Deaths	Non-Hospitalized Deaths	Confirmed Cases
0-4	79	0	0	79
05-17	122	0	0	122
18-24	58	0	0	58
25-49	242	1	3	245
50-64	249	8	4	253
65+	687	30	10	697
Total	1,437	39	17	1,454

Note: Confirmed cases are defined as a case that meets laboratory criteria AND had a hospitalization (>24 hours) or has died. The total number of confirmed influenza cases is determined by taking the sum of hospitalizations and Deaths W/O hospitalization history.

Data Source: SNHD Surveillance Data as of 9/23/2026, Clark County, NV residents .

Reported Influenza Cases, Clark County, NV 2025-2026 ²³

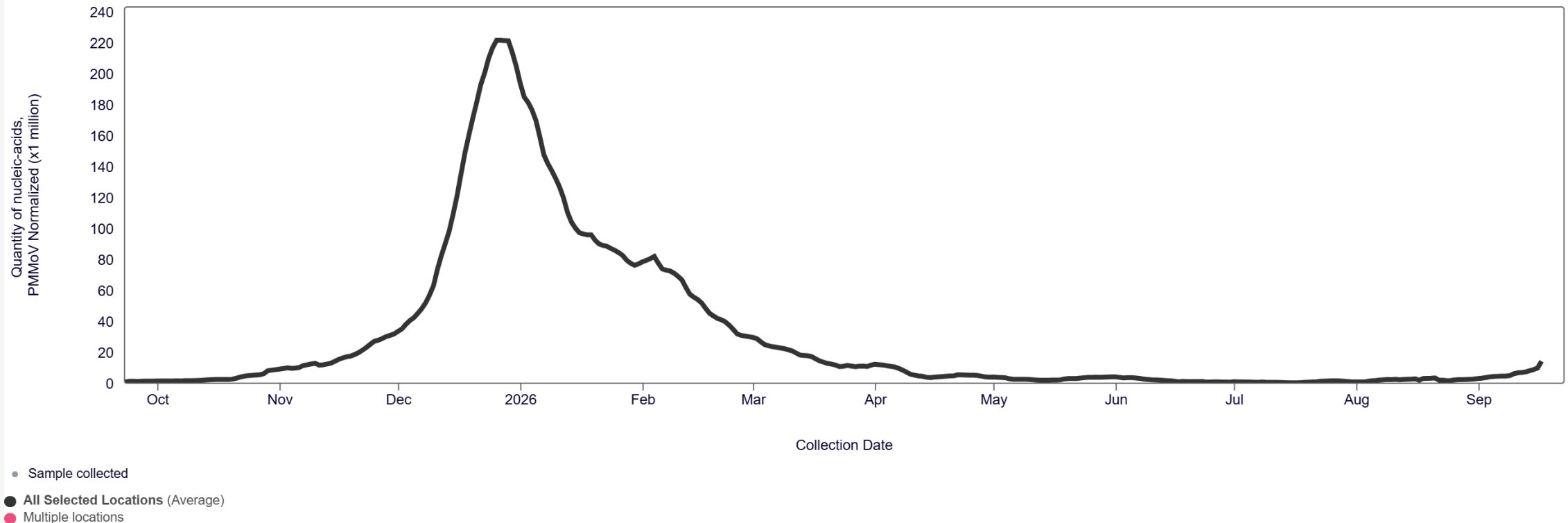


Report produced on September 23, 2026



Wastewater Surveillance for Influenza United States, as of 9/23/2026

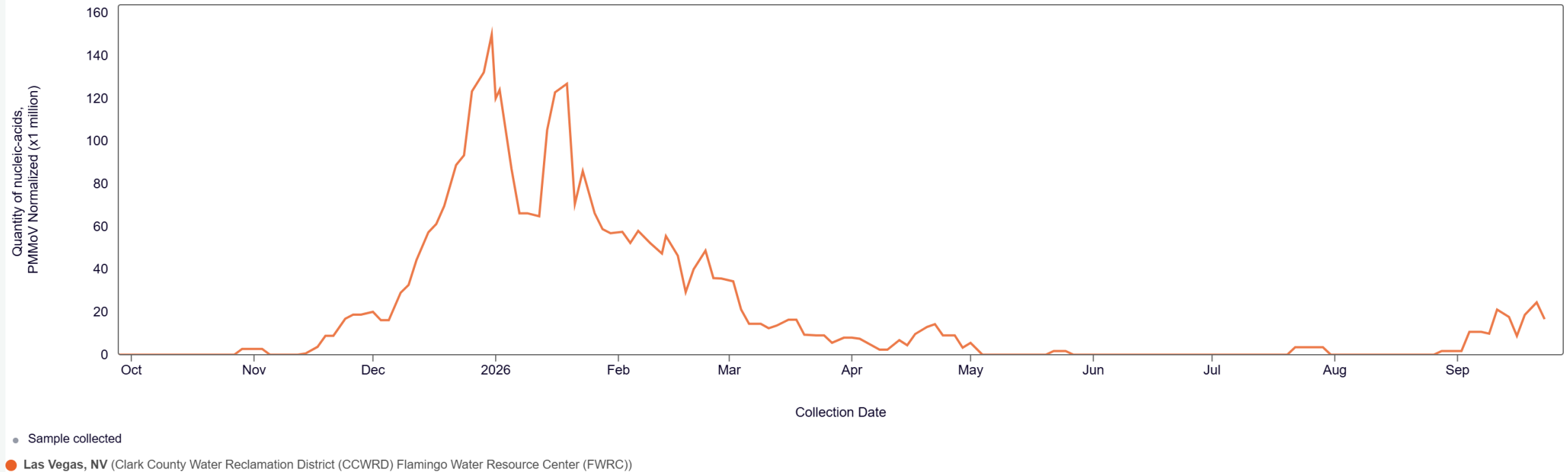
Influenza A, All Wastewater Sites



Wastewater Surveillance for Influenza

Clark County, NV, as of 9/23/2026

Influenza A, Las Vegas, NV



Wastewater Surveillance for Influenza A

Clark County, NV

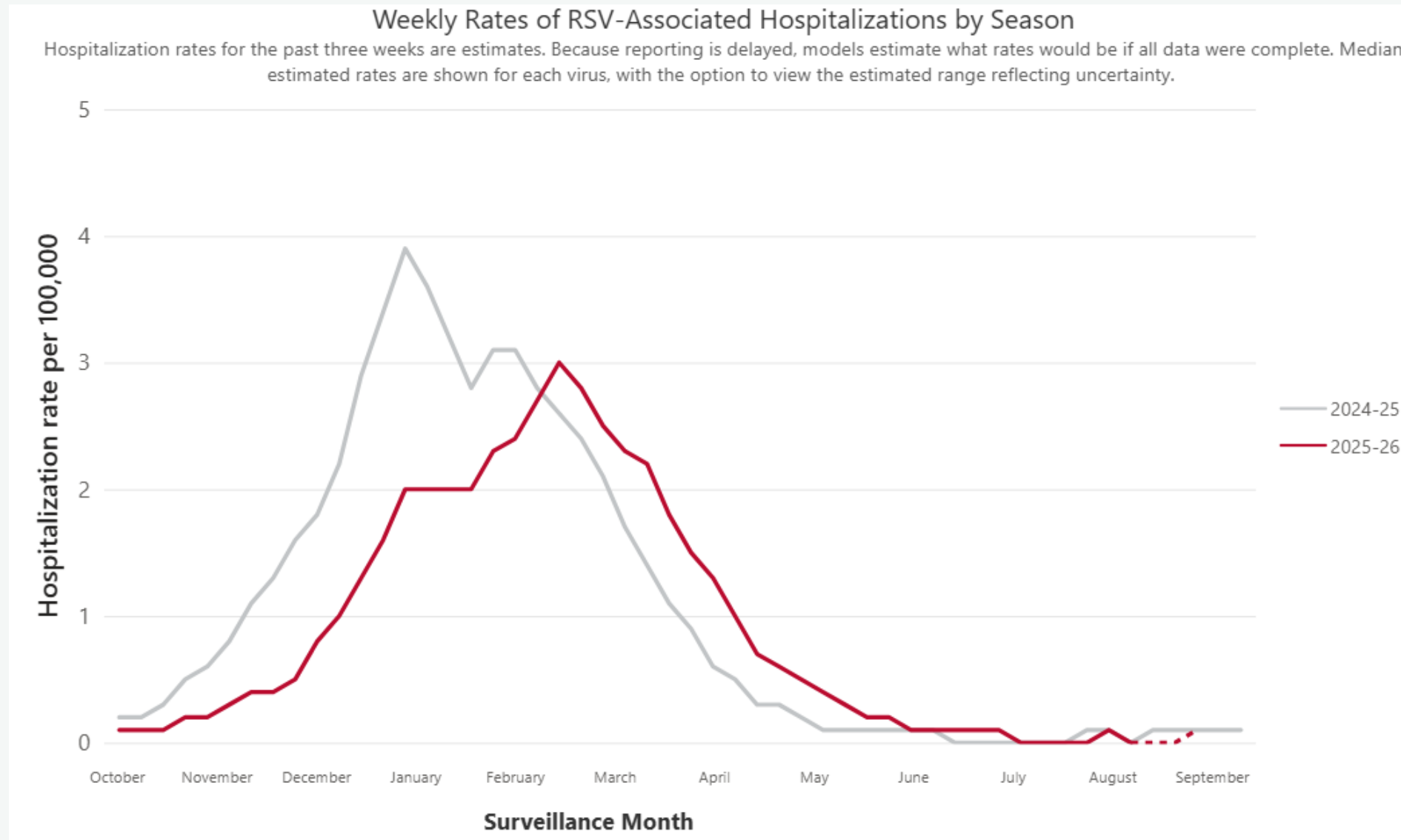
Plant Name	City	Timeframe	5 Sample Rolling Mean	14 Day Trend	Last Sample Date
Flamingo Water Resource Center (CCWRD)	Las Vegas	Current	16.65	Increasing	09/21/2026
Mesquite Wastewater Treatment Plant*	City of Mesquite	Current	0.00	N/A	9/10/2026
Boulder Wastewater Treatment Plant*	Boulder City	Current	0.00	N/A	9/9/2026

Note: The wastewater data for Las Vegas were collected from the Flamingo Water Reclamation District Plant, where samples were analyzed on solids and sourced from Wastewater SCAN. In contrast, data for the City of Mesquite and Boulder City were analyzed on liquid samples by Verily and provided by the State Wastewater Epidemiology Team. Due to the differences in sample matrices (solids vs. liquids) and analytical methods, variations in virus concentrations between the three facilities are expected. Mesquite and Boulder sampling is conducted using grab sampling and is not performed over a 24-hour period

*Testing is currently suspended.

Respiratory Syncytial Virus (RSV)

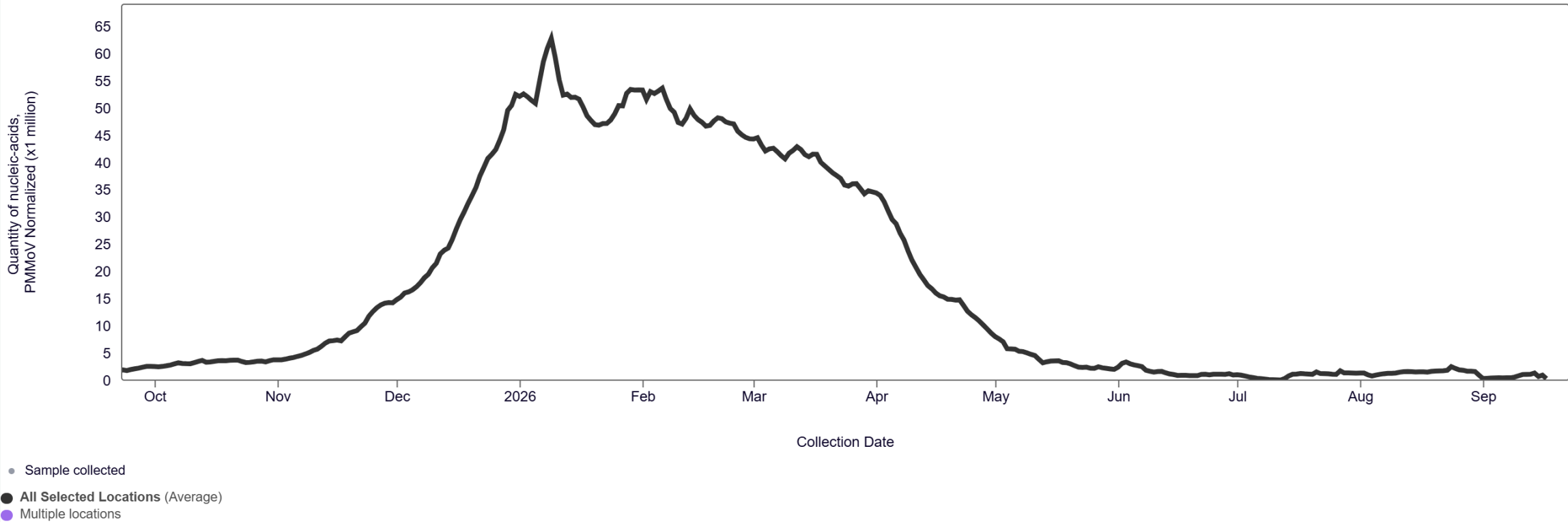
Reported RSV Cases, United States 2024-2025 and 2025-2026



Data Source: RSV-Net, <https://www.cdc.gov/rsv/php/surveillance/rsv-net.html>, as of 9/17/2026, accessed 9/23/2026; dotted lines are estimated

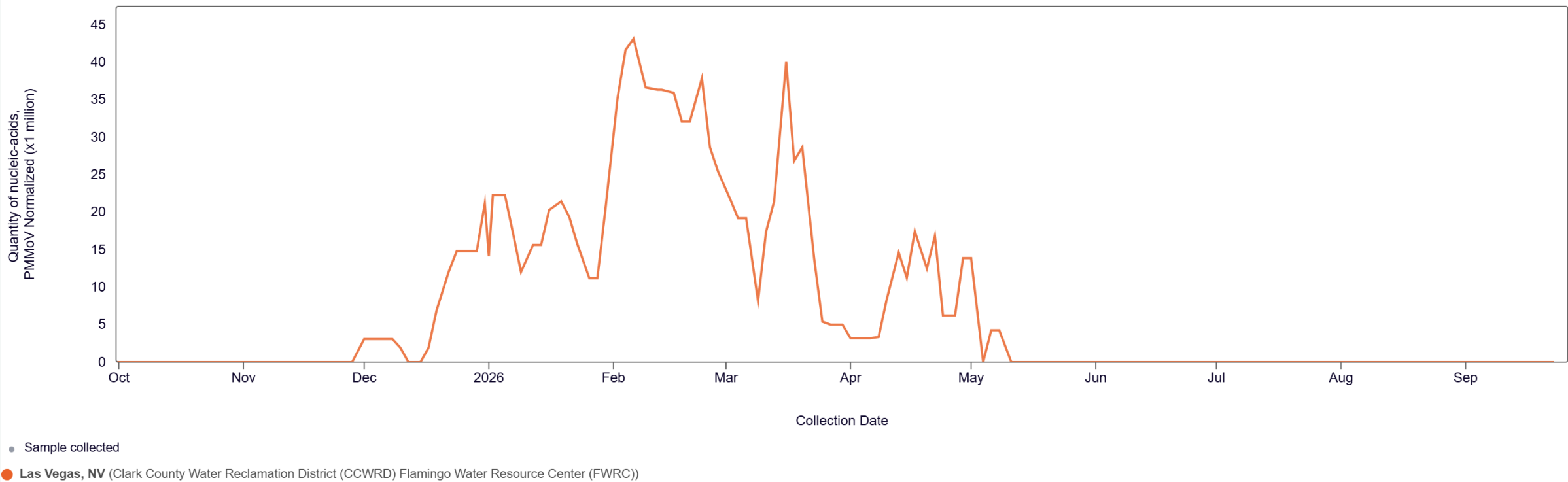
Wastewater Surveillance for RSV United States, as of 9/23/2026

RSV, All Wastewater Sites



Wastewater Surveillance for RSV Clark County, NV, as of 9/23/2026

RSV, Las Vegas, NV



Wastewater Surveillance for RSV

Clark County, NV

Plant Name	City	Timeframe	5 Sample Rolling Mean	14 Day Trend	Last Sample Date
Flamingo Water Resource Center (CCWRD)	Las Vegas	Current	0.00	Stable	09/21/2026
Mesquite Wastewater Treatment Plant*	City of Mesquite	Current	0.00	N/A	9/10/2026
Boulder Wastewater Treatment Plant*	Boulder City	Current	0.00	N/A	9/9/2026

Note: The wastewater data for Las Vegas were collected from the Flamingo Water Reclamation District Plant, where samples were analyzed on solids and sourced from Wastewater SCAN. In contrast, data for the City of Mesquite and Boulder City were analyzed on liquid samples by Verily and provided by the State Wastewater Epidemiology Team. Due to the differences in sample matrices (solids vs. liquids) and analytical methods, variations in virus concentrations between the three facilities are expected. Mesquite and Boulder sampling is conducted using grab sampling and is not performed over a 24-hour period

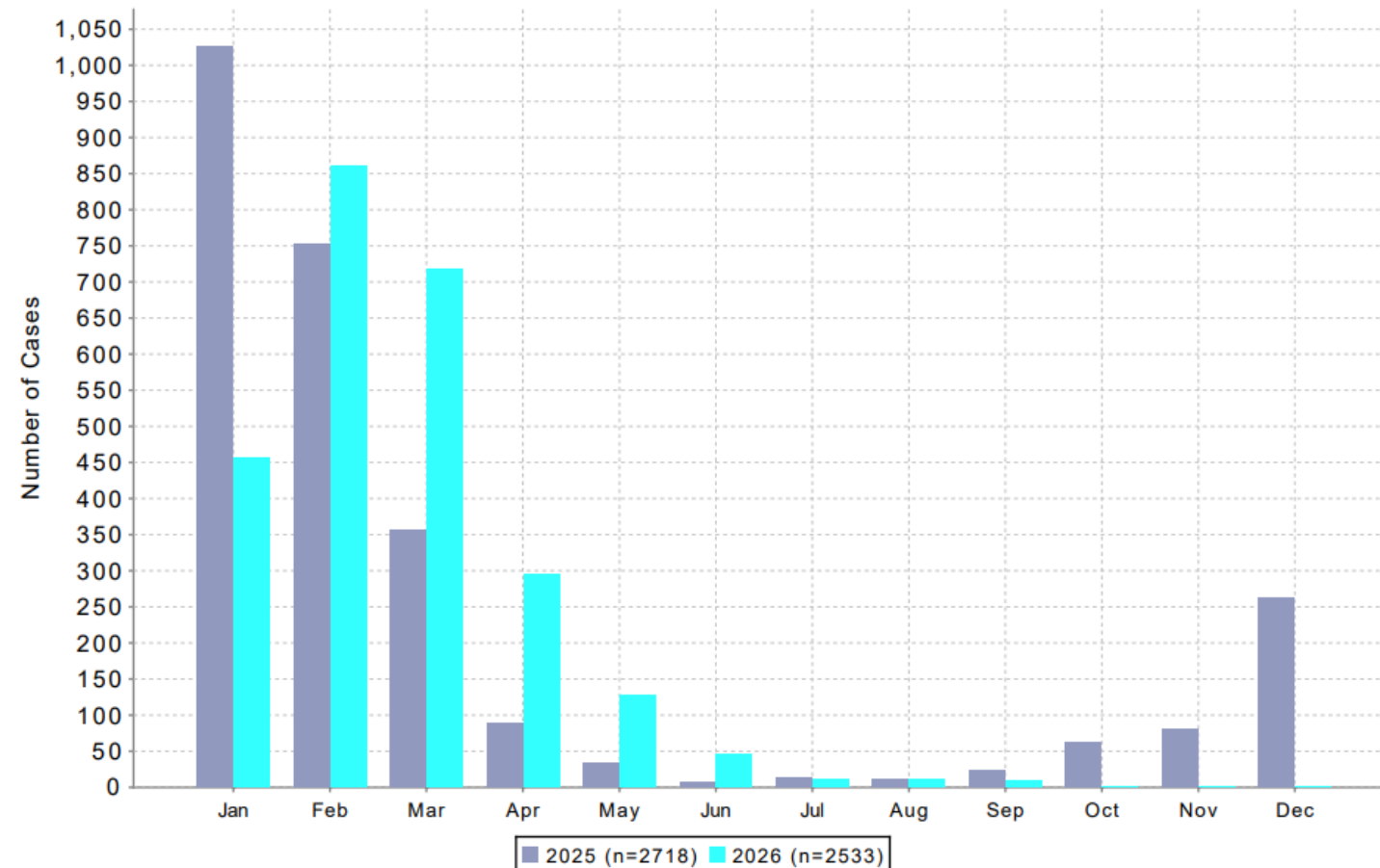
*Testing is currently suspended.

Reported RSV Cases, Clark County, NV, 2025 - 2026

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RSV by Month and Year, Clark County, NV
2025-2026 (n=5,251)



* 2026 data is incomplete.

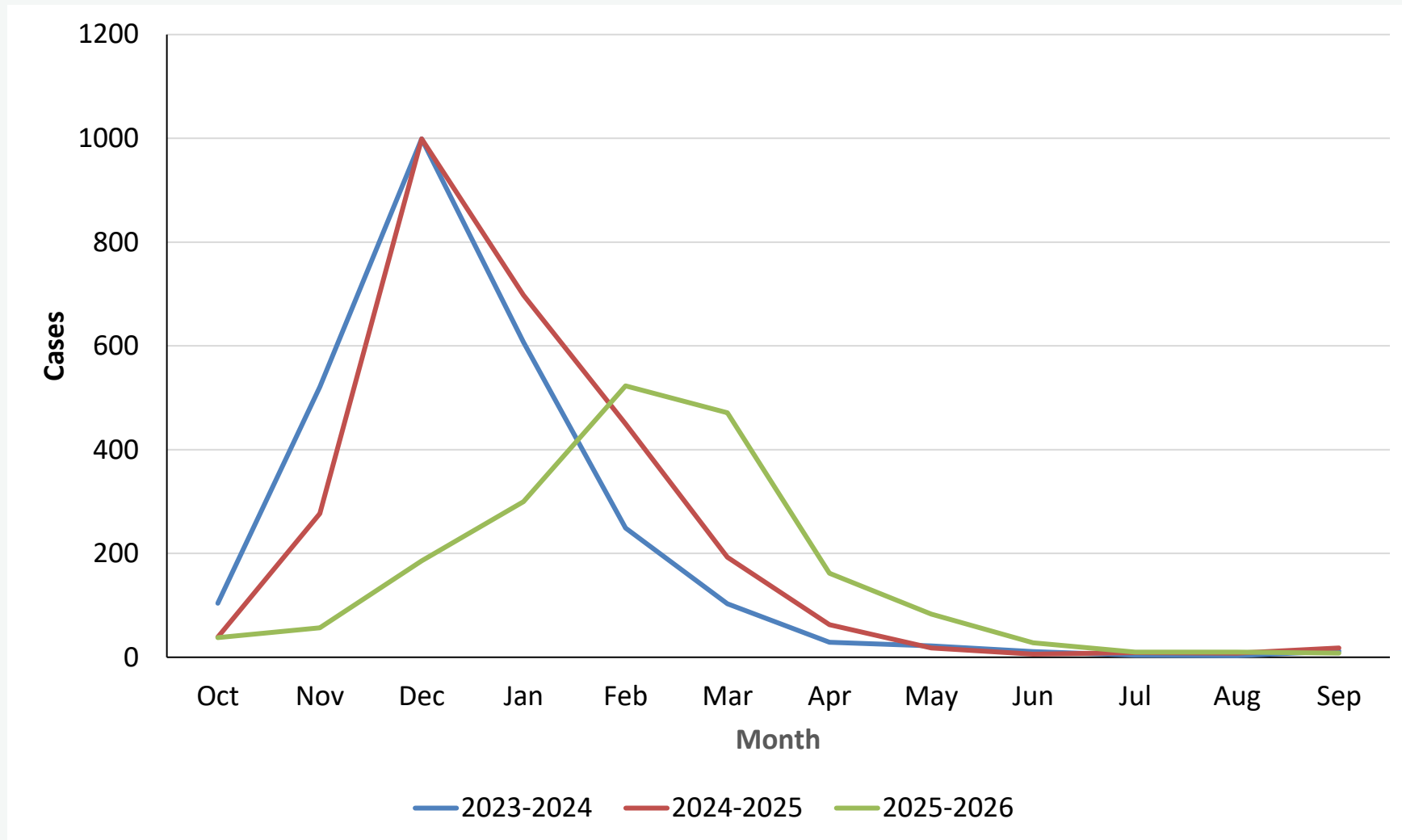
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RSV Cases by Season, 2023 to 2026

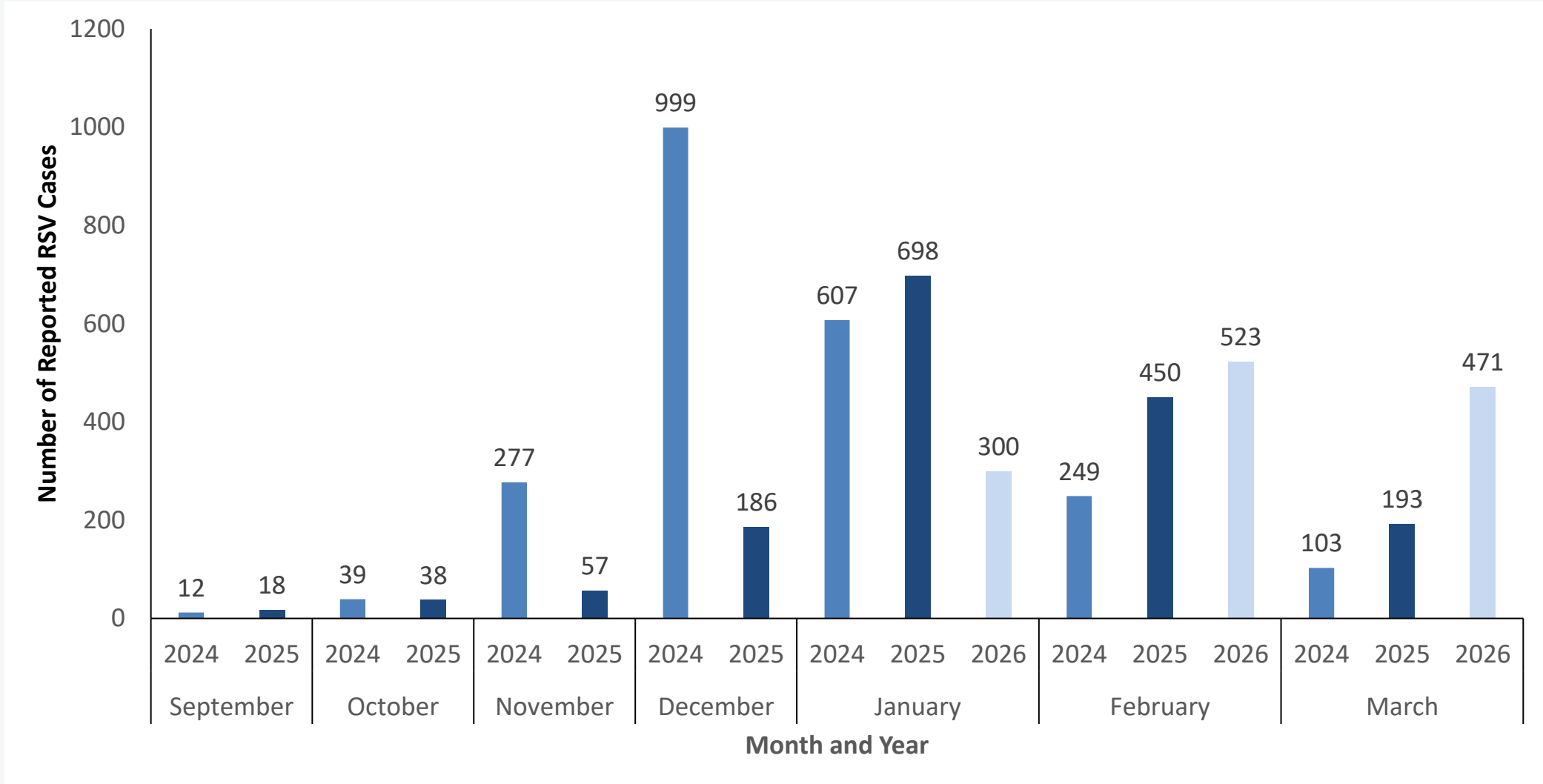
0–4-year-olds in Clark County, NV



Data Source: SNHD Surveillance Data, as of 9/24/2026

RSV Cases from September to March, 2024-2026

0–4-year-olds in Clark County, NV



Data Source: SNHD Surveillance Data, accessed 9/24/2026



Acknowledgements

- Office of Epidemiology
- Office of Acute Communicable Disease Control

Contact Information

For questions:

epiquestions@snhd.org

Thank you!





*Healthy People Thriving in a
Healthy Southern Nevada*



Commitment

Accountability

Respect

Excellence

Service