



MINUTES

SOUTHERN NEVADA DISTRICT BOARD OF HEALTH

PUBLIC HEALTH ADVISORY BOARD MEETING

January 13, 2025 – 8:30 A.M.

Meeting was conducted In-person and via Microsoft Teams

Southern Nevada Health District, 280 S. Decatur Boulevard, Las Vegas, NV 89107

Red Rock Trail Conference Room

MEMBERS PRESENT:

Kenneth Osgood, Chair – At-Large Member, Physician (*in-person*)
Susan VanBeuge, Vice-Chair – At-Large Member, Nurse (*in-person*)
Ronald Kline – Member, City of North Las Vegas (*via Phone*)
Paul Klouse – Member, City of Boulder City (*in-person*)
Brian Labus – At-Large Member, Environmental Health (*in-person*)
Holly Lyman – Member, City of Henderson (*in-person*)
Jennifer Young – Member, City of Las Vegas (*in-person*)

ABSENT:

N/A

ALSO PRESENT:

Linda Anderson, Kimberly Carter, Nadine Kienhoefer, Staniela Nikolova

(In Audience)

LEGAL COUNSEL:

Edward Wynder, Associate General Counsel

EXECUTIVE SECRETARY:

Fermin Leguen, MD, MPH, District Health Officer

STAFF:

Emily Anelli, Maria Azzarelli, Tawana Bellamy, Daniel Burns, Donna Buss, Nancy Cadena, Andria Cordovez Mulet, Aaron DelCotto, Jacques Graham, Cassius Lockett, Anil Mangla, Brian Northam, Kyle Parkson, Luann Province, Larry Rogers, Chris Saxton, Tiana Wright, Lourdes Yapjoco

I. CALL TO ORDER AND ROLL CALL

The Chair called the Public Health Advisory Board meeting to order at 8:30 a.m. Andria Cordovez Mulet, Executive Assistant, administered the roll call and confirmed a quorum was present. Ms. Cordovez Mulet provided clear and complete instructions for members of the general public to call in to the meeting to provide public comment, including a telephone number and access code.

II. PLEDGE OF ALLEGIANCE

- III. **FIRST PUBLIC COMMENT:** A period devoted to comments by the general public about those items appearing on the agenda. Comments will be limited to five (5) minutes per speaker. Please clearly state your name and address and spell your last name for the record. If any member of the

Board wishes to extend the length of a presentation, this may be done by the Chair or the Board by majority vote.

Seeing no one, the Chair closed this portion of the meeting.

IV. ADOPTION OF THE JANUARY 13, 2025 MEETING AGENDA *(for possible action)*

A motion was made by Member Klouse, seconded by Member Labus, and carried unanimously to approve the January 13, 2025 Agenda, as presented.

V. CONSENT AGENDA: Items for action to be considered by the Southern Nevada District Board of Health Public Health Advisory Board which may be enacted by one motion. Any item may be discussed separately per Board Member request before action. Any exceptions to the Consent Agenda must be stated prior to approval.

1. APPROVE MINUTES/PUBLIC HEALTH ADVISORY BOARD MEETING: October 14, 2024 *(for possible action)*

Further to an inquiry from the Chair regarding whether there have been additional cases of Tuberculosis, Dr. Anil Mangla, Director of Disease Surveillance and Control, advised that there were new cases in the community.

A motion was made by Member Klouse, seconded by Member VanBeuge, and carried unanimously to approve the January 13, 2025 Consent Agenda, as presented.

VI. REPORT / DISCUSSION / ACTION

1. Update on Respiratory Syncytial Virus (RSV), Influenza, and COVID-19; direct staff accordingly or take other action as deemed necessary *(for possible action)*

Member Young joined the meeting at 8:37 a.m.

Dr. Manga provided an update on Respiratory Syncytial Virus (RSV), Influenza, and COVID-19.

Further to an inquiry from Chair Osgood regarding the locations of wastewater monitoring stations, Dr. Mangla advised that monitoring stations were distributed by the Clark County Water Reclamation District and would follow up regarding the locations.

Further to an inquiry from Chair Osgood regarding bird flu and wastewater detection, Dr. Mangla advised that there have not been any cases reported in Nevada. Dr. Cassius Lockett, Deputy District Health Officer-Operations, advised that, in wastewater surveillance, there was no way to distinguish whether the wastewater was from humans or animals.

Member Labus referenced a slide in the presentation regarding COVID-19 cases this year and last year and inquired whether COVID-19 had settled into seasonal patterns. Dr. Mangla

advised that it would take a few more years of data trends before concluding that COVID-19 was in a seasonal pattern.

Member Labus inquired as to the pharmacy-based surveillance program. Dr. Lockett advised that the pharmacy-based surveillance program monitors over-the-counter medication sales to help identify outbreaks of infectious disease outbreaks.

- VII. BOARD RECORDS:** The Southern Nevada District Board of Health Public Health Advisory Board members may identify and comment on Health District related issues. Comments made by individual Board members during this portion of the agenda will not be acted upon by the Southern Nevada District Board of Health Public Health Advisory Board unless that subject is on the agenda and scheduled for action. *(Information Only)*

Member Lyman requested an update on the Community Health Assessment. Dr. Lockett advised that staff could provide an update on the Community Health Assessment, along with the Health Equity Report, at a future meeting.

Member Labus requested an update on immunization rates, specifically the Health District's efforts to address and improve low immunization rates.

VIII. HEALTH OFFICER & STAFF REPORTS *(Information Only)*

- DHO Comments

Dr. Leguen advised that the new Behavioral Health Clinic, which was part of the Southern Nevada Community Health Center, at the Main Facility, will have its Grand Opening on January 14, 2025 and encouraged members to attend. The Behavioral Health Clinic would be part of the integrated health care delivery system being implemented by the Community Health Center and be an additional resource to the community.

Dr. Leguen advised that this would be his last Advisory Board meeting as the District Health Officer for the Health District. Dr. Leguen introduced Dr. Lockett, who had been appointed the District Health Officer, effective February 24, 2025. The Advisory Board members thanked Dr. Leguen for his years of service and leadership to the Health District.

- IX. SECOND PUBLIC COMMENT:** A period devoted to comments by the general public, if any, and discussion of those comments, about matters relevant to the Board's jurisdiction will be held. Comments will be limited to five (5) minutes per speaker. If any member of the Board wishes to extend the length of a presentation, this may be done by the Chair or the Board by majority vote.

Staniela Nikolova read into the record a written public comment regarding inhabitable living conditions at her apartment building. The written public comment will form part of the record. The Chair suggested that Ms. Nikolova attend the Southern Nevada District Board of Health meeting on January 23, 2025 to provide her public comment.

Seeing no one further, the Chair closed this portion of the meeting.

X. ADJOURNMENT

The Chair adjourned the meeting at 9:16 a.m.

Fermin Leguen, MD, MPH
District Health Officer/Executive Secretary

/acm



AGENDA

SOUTHERN NEVADA DISTRICT BOARD OF HEALTH PUBLIC HEALTH ADVISORY BOARD MEETING

January 13, 2025 – 8:30 a.m.

Meeting will be conducted In-person and via Microsoft Teams
Southern Nevada Health District, 280 S. Decatur Boulevard, Las Vegas, NV 89107
Red Rock Trail Conference Room

NOTICE

Microsoft Teams:

<https://events.teams.microsoft.com/event/ec1e3ade-70d6-4ec1-9374-a7b142905a32@1f318e99-9fb1-41b3-8c10-d0cab0e9f859>

To call into the meeting, dial (702) 907-7151 and enter Phone Conference ID: 433 347 311#

NOTE:

- Agenda items may be taken out of order at the discretion of the Chair.
 - The Board may combine two or more agenda items for consideration.
 - The Board may remove an item from the agenda or delay discussion relating to an item on the agenda at any time.
-

I. CALL TO ORDER AND ROLL CALL

II. PLEDGE OF ALLEGIANCE

III. FIRST PUBLIC COMMENT: A period devoted to comments by the general public about those items appearing on the agenda. Comments will be limited to five (5) minutes per speaker. Please clearly state your name and spell your last name for the record. If any member of the Board wishes to extend the length of a presentation, this may be done by the Chairman or the Board by majority vote. **There will be two public comment periods. To submit public comment on either public comment period on individual agenda items or for general public comments:**

- **By Teams:** Use the Teams link above. You will be able to provide real-time chatroom messaging, which can be read into the record or by raising your hand. Unmute your microphone prior to speaking.
- **By telephone:** Call 702-907-7151 and when prompted to provide the Meeting ID, enter 433 347 311#. To provide public comment over the telephone, please press *5 during the comment period and wait to be called on.
- **By email:** public-comment@snhd.org. For comments submitted prior to and during the live meeting, include your name, zip code, the agenda item number on which you are commenting, and your comment. Please indicate whether you wish your email comment to be read into the record during the meeting or added to the backup materials for the record. If not specified, comments will be added to the backup materials.

IV. ADOPTION OF THE JANUARY 13, 2025 AGENDA *(for possible action)*

- V. CONSENT AGENDA:** Items for action to be considered by the Southern Nevada District Board of Health Public Health Advisory Board which may be enacted by one motion. Any item may be discussed separately per Board Member request before action. Any exceptions to the Consent Agenda must be stated prior to approval.

- 1. APPROVE MINUTES/PUBLIC HEALTH ADVISORY BOARD MEETING:** October 14, 2024 *(for possible action)*

VI. REPORT / DISCUSSION / ACTION

- 1. Update on Respiratory Syncytial Virus (RSV), Influenza, and COVID-19;** direct staff accordingly or take other action as deemed necessary *(for possible action)*

- VII. BOARD REPORTS:** The Southern Nevada District Board of Health Public Health Advisory Board members may identify and comment on Health District related issues. Comments made by individual Board members during this portion of the agenda will not be acted upon by the Southern Nevada District Board of Health Public Health Advisory Board unless that subject is on the agenda and scheduled for action. ***(Information Only)***

VIII. HEALTH OFFICER & STAFF REPORTS ***(Information Only)***

- DHO Comments

- IX. SECOND PUBLIC COMMENT:** A period devoted to comments by the general public, if any, and discussion of those comments, about matters relevant to the Board's jurisdiction will be held. Comments will be limited to five (5) minutes per speaker. If any member of the Board wishes to extend the length of a presentation, this may be done by the Chairman or the Board by majority vote. **See above for instructions for submitting public comment.**

X. ADJOURNMENT

NOTE: Disabled members of the public who require special accommodations or assistance at the meeting are requested to notify the Administration Office at the Southern Nevada Health District by calling (702) 759-1201.

THIS AGENDA HAS BEEN PUBLICLY NOTICED on the Southern Nevada Health District's Website at <https://snhd.info/meetings>, the Nevada Public Notice website at <https://notice.nv.gov>, and a copy will be provided to any person who has requested one via U.S mail or electronic mail. All meeting notices include the time of the meeting, access instructions, and the meeting agenda. For copies of agenda backup material, please contact the Administration Office at 280 S. Decatur Blvd., Las Vegas, NV 89107 or (702) 759-1201.



MINUTES

SOUTHERN NEVADA DISTRICT BOARD OF HEALTH PUBLIC HEALTH ADVISORY BOARD MEETING

October 14, 2024 – 8:30 A.M.

Meeting was conducted In-person and via Microsoft Teams

Southern Nevada Health District, 280 S. Decatur Boulevard, Las Vegas, NV 89107
Red Rock Trail Conference Room

MEMBERS PRESENT: Kenneth Osgood, Chair – At-Large Member, Physician (*in-person*)
Susan VanBeuge, Vice-Chair – At-Large Member, Nurse (*in-person*)
Paul Klouse – Member, City of Boulder City (*in-person*)
Brian Labus – At-Large Member, Environmental Health (*in-person*)
Holly Lyman – Member, City of Henderson (*via Teams*)
Jennifer Young – Member, City of Las Vegas (*via Teams*)

ABSENT: Ronald Kline – Member, City of North Las Vegas

ALSO PRESENT: Linda Anderson, Stacie Sasso
(In Audience)

LEGAL COUNSEL: Edward Wynder, Associate General Counsel

EXECUTIVE SECRETARY: Fermin Leguen, MD, MPH, District Health Officer

STAFF: Emily Anelli, Jacqueline Ayala, Tawana Bellamy, Alexis Brignola, Victoria Burris, Andria Cordovez Mulet, Rebecca Cruz-Nañez, Christian De Haan, Jacques Graham, Jessica Johnson, Horng-Yuan Kan, Heidi Laird, Josie Llorico, Cassius Lockett, Anil Mangla, Kimberly Monahan, Brian Northam, Vivek Raman, Kim Saner, Chris Saxton, Karla Shoup

I. CALL TO ORDER AND ROLL CALL

The Chair called the Public Health Advisory Board meeting to order at 8:32 a.m. Andria Cordovez Mulet, Executive Assistant, administered the roll call and confirmed a quorum was present. Ms. Cordovez Mulet provided clear and complete instructions for members of the general public to call in to the meeting to provide public comment, including a telephone number and access code.

II. PLEDGE OF ALLEGIANCE

III. OATH OF OFFICE

Ms. Cordovez Mulet administered the Oath of Office to Chair Osgood and Vice-Chair VanBeuge.

- IV. FIRST PUBLIC COMMENT:** A period devoted to comments by the general public about those items appearing on the agenda. Comments will be limited to five (5) minutes per speaker. Please clearly state your name and address and spell your last name for the record. If any member of the Board wishes to extend the length of a presentation, this may be done by the Chair or the Board by majority vote.

Seeing no one, the Chair closed this portion of the meeting.

V. ADOPTION OF THE OCTOBER 14, 2024 MEETING AGENDA *(for possible action)*

A motion was made by Member Klouse, seconded by Member Labus, and carried unanimously to approve the October 14, 2024 Agenda, as presented.

- VI. CONSENT AGENDA:** Items for action to be considered by the Southern Nevada District Board of Health Public Health Advisory Board which may be enacted by one motion. Any item may be discussed separately per Board Member request before action. Any exceptions to the Consent Agenda must be stated prior to approval.

1. APPROVE MINUTES/PUBLIC HEALTH ADVISORY BOARD MEETING: July 8, 2024 *(for possible action)*

The Chair said that he thought that, during the Tuberculosis and Syphilis presentation at the July meeting, there was a request from a member regarding a proposal that would be prepared and presented to the board, however specific details could not be recalled. Dr. Leguen advised that the recording from the July meeting will be reviewed and will advise if there was a mention of a proposal.

The Chair inquired whether the issue that was raised during the Second Public Comment at the July meeting had been resolved. Ms. Cordovez Mulet will inquire with staff and advise if the issue was resolved.

A motion was made by Member Labus, seconded by Member VanBeuge, and carried unanimously to approve the October 14, 2024 Consent Agenda, as presented.

VII. REPORT / DISCUSSION / ACTION

- 1. Receive, Discuss and Approve the 2025 Meeting Schedule;** direct staff accordingly or take other action as deemed necessary *(for possible action)*

The Advisory Board was informed that the proposed 2025 meeting schedule followed the timeline approved by the Advisory Board the previous year.

A motion was made by Member VanBeuge, seconded by Member Klouse, and carried unanimously to approve the 2025 Public Health Advisory Board Meeting Schedule, as presented.

2. Update on Mental Health, including substance use and suicide rates; direct staff accordingly or take other action as deemed necessary *(for possible action)*

Heidi Laird, Health Education and Suicide Awareness Coordinator, provided an update on mental health, including substance use and suicide rates. Specifically, Ms. Laird reviewed the current suicide statistics in Clark County, an update on suicide prevention efforts, the new CredibleMind mental health wellness platform, programs successes and challenges, and concluded with next steps.

Further to an inquiry from Member Labus regarding the reason that the suicide rate in Clark County is higher than the national rate, Rebecca Cruz-Nañez, Senior Health Educator, advised that it was difficult to pinpoint an exact reason. However, there are risk factors that contribute to the high rate, such as different funding, lack of mental health facilities and providers. Ms. Cruz-Nañez further advised that the Health District was making efforts to address the concerns.

Vice-Chair VanBeuge inquired as to the impact of the CredibleMind dashboard. Ms. Laird advised that the CredibleMind dashboard was a resource that could reach people where they are to have access to mental health resources. Credible Mind was to help with the gap between the shortage of providers and other reasons, such as the stigma around mental health. CredibleMind helped to start the process to identify issues and risks and connect individuals with available resources. Ms. Laird advised that since July 1, 2024 there have been 3,232 users, with 538 being 13-17 years old and 239 being 18-24 years old. Vice-Chair VanBeuge requested an update at a future meeting on the data. Dr. Leguen advised that CredibleMind was a resource that was recently introduced to the community with the intention to enhance access to initial appropriate behavioral health services, and not a complete solution to the problem in the community.

The Chair commended staff on the release of CredibleMind as it was the start of bringing awareness to behavioral health and helping people take control of their wellbeing. The Chair suggested that staff conduct a survey of CredibleMind users, similar to the Community Health Assessment survey, with the results to be presented at a future meeting.

2. Presentation on Mosquito Surveillance and Control; direct staff accordingly or take other action as deemed necessary *(for possible action)*

Vivek Raman, Environmental Health Supervisor, presented on mosquito surveillance and control. Specifically, Mr. Raman reviewed the program objectives, map surveillance, disease transmission, comparison of WNV activity from 2019 to 2024, nuisance biting, and concluded with the long-term next steps.

Further to an inquiry about a mosquito abatement district, Mr. Raman advised that the Health District has had conversation with local jurisdictions, the Southern Nevada District Board of Health and the Board of County Commissioners. Mr. Rama further advised that it would have to be discussed at the legislative level.

Mr. Raman advised that there had been discussions with the City of North Las Vegas regarding wide area larvicide spray, but the program never came to fruition. Mr. Raman advised that Clark County Vector Control sprayed at the Wetlands Park in the Spring and starting in April 2025, they will spray again, and the Health District will do surveillance. Mr. Raman advised that ultra-low volume fogging was ineffective due to the high temperatures in Las Vegas.

Brian Northam, Environmental Health Manager, advised that the Health District was working with Clark County on an MOU to be used in times of emergency to ease the ability for the other jurisdictions to seek assistance from vector control staff.

Dr. Leguen advised that the main issue was that there was not an integrated mosquito abatement district in our community, which has been discussed at previous Southern Nevada District Board of Health meetings. Dr. Leguen advised that there was a lot of work to be done by different entities to develop a plan to be brought to the next legislative session. However, the main issue was the lack of funding for a mosquito abatement district. Dr. Leguen advised that a mosquito abatement district was not typically a function of a health district. Dr. Leguen advised that, in Clark County, mosquito concerns were a new growing issue, not similar to the level of public concern observed in communities like Miami-Dade or Houston.

- VIII. BOARD RECORDS:** The Southern Nevada District Board of Health Public Health Advisory Board members may identify and comment on Health District related issues. Comments made by individual Board members during this portion of the agenda will not be acted upon by the Southern Nevada District Board of Health Public Health Advisory Board unless that subject is on the agenda and scheduled for action. **(Information Only)**

The Chair advised that an update on nutrition and food insecurity was scheduled for a meeting in 2025.

Member Labus requested an update on the Respiratory Syncytial Virus (RSV) at the January 2025 meeting.

There were no additional items raised.

IX. HEALTH OFFICER & STAFF REPORTS (Information Only)

- DHO Comments

Dr. Leguen advised that the new Behavioral Health Clinic, which was part of the Southern Nevada Community Health Center, at the Decatur location was in the final stages of completion, with a grand opening scheduled for January 2025. The Behavioral Health Clinic would be part of the integrated health care delivery system being implemented by the Community Health Center, but still an additional resource for the community.

Dr. Leguen further advised that the expansion of the Southern Nevada Public Health Lab was proceeding to the procurement process, with construction scheduled to commence in early 2025.

- Introduction to Wastewater Surveillance

Dr. Anil Mangla, Directors of Disease Surveillance and Control, provided an introduction to wastewater surveillance.

- X. SECOND PUBLIC COMMENT:** A period devoted to comments by the general public, if any, and discussion of those comments, about matters relevant to the Board's jurisdiction will be held. Comments will be limited to five (5) minutes per speaker. If any member of the Board wishes to extend the length of a presentation, this may be done by the Chair or the Board by majority vote.

Seeing no one, the Chair closed this portion of the meeting.

XI. ADJOURNMENT

The Chair adjourned the meeting at 10:01 a.m.

Fermin Leguen, MD, MPH
District Health Officer/Executive Secretary

/acm



Updates on Covid-19/Influenza/RSV

Public Health Advisory Board Meeting
January 13, 2025

Anil T. Mangla, MS, PhD, MPH, FRIPH
Director of Disease Surveillance and Control
Southern Nevada Health District

AGENDA

- ▶ Types of Surveillance Conducted at SNHD
- ▶ Trends
 - COVID-19
 - Influenza A/B
 - RSV
 - Influenza H5

Type of COVID 19, Influenza and RSV Surveillance at SNHD

- ▶ Syndromic Surveillance Systems
- ▶ Case-based Surveillance Systems
- ▶ Mortality Surveillance Systems
- ▶ Wastewater Surveillance Systems
- ▶ Pharmacy-based Surveillance Systems

Importance of Surveillance

What we've experienced

(Past trends)

Deaths

Are the percentage of deaths due to respiratory illness increasing?

Hospitalizations

*Are more people being hospitalized? Who are they?
Is this placing strain on hospitals?*

Emergency Department Visits

Are more people seeking medical care?

Lab Testing Results

Are the percent of tests positive for respiratory illness increasing signaling potential changes in infection rates?

Wastewater Findings

What viruses are circulating in my community and at what level?

What could happen next

(Future projections)

Seasonal Outlook

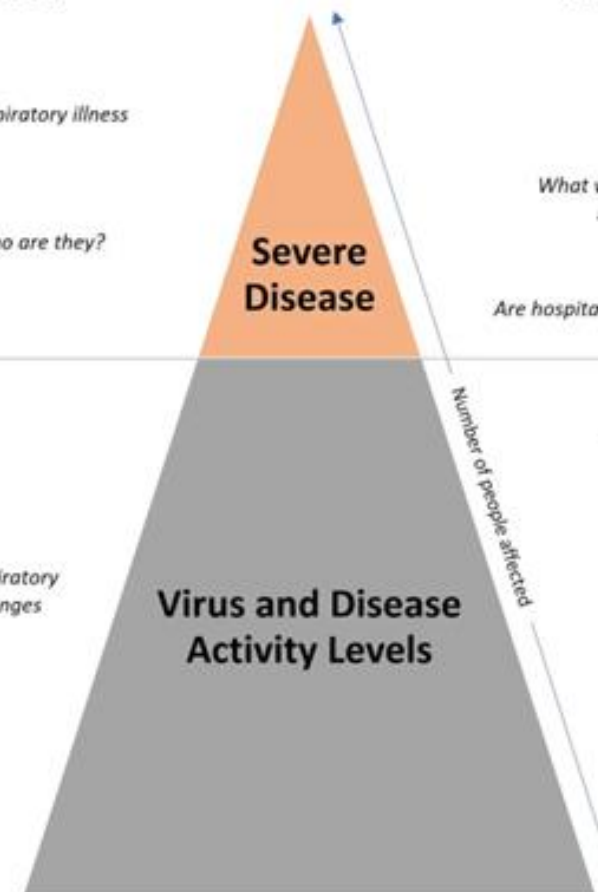
*What will this respiratory illness season look like?
How likely is it to place strain on hospitals?*

Hospital Forecasts

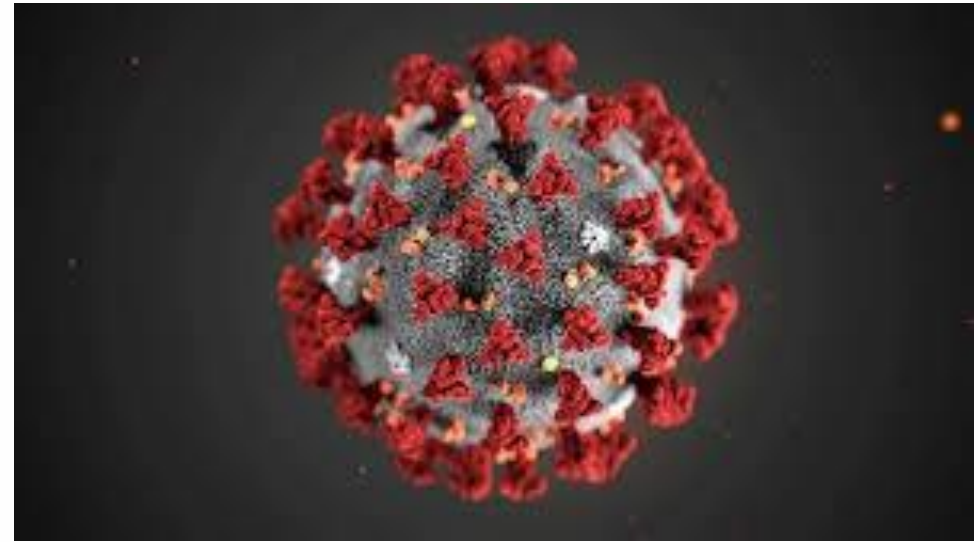
Are hospitalizations predicted to increase in my state?

Epidemic Growth Status

Is disease activity predicted to increase or decrease in my state?

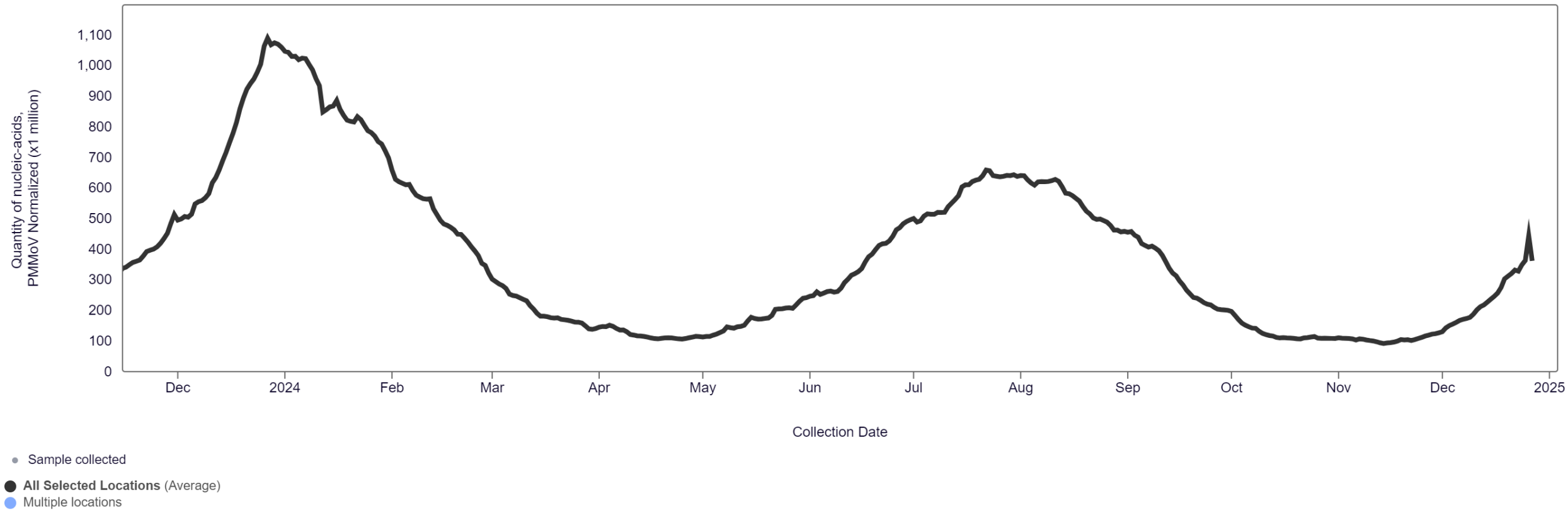


COVID-19



Wastewater Surveillance for COVID-19 (US)

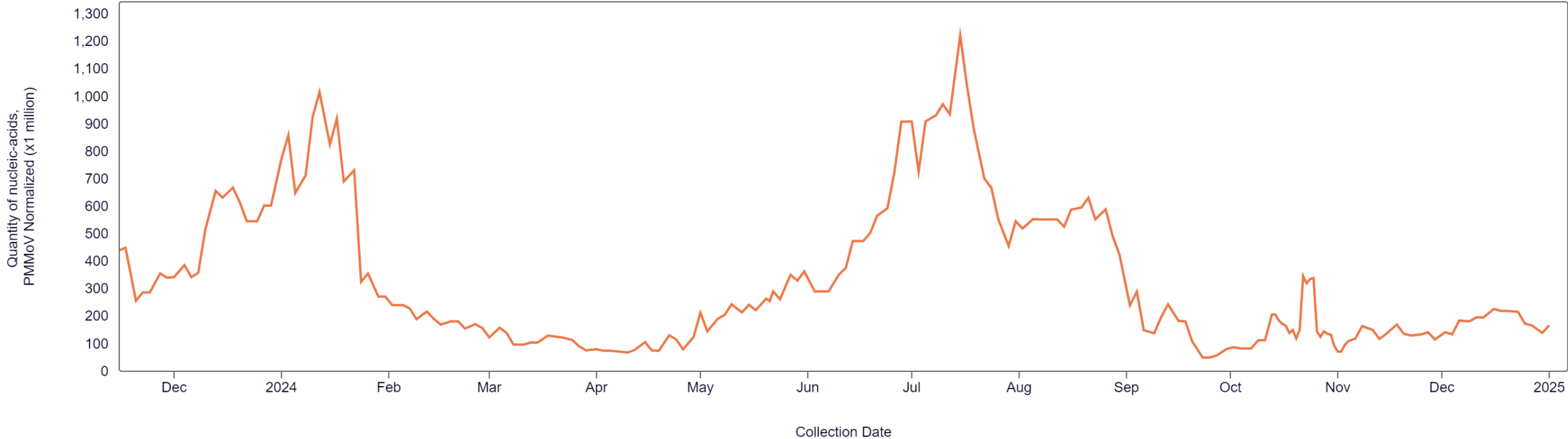
SARS-CoV-2, All Wastewater Sites



Data Source: WastewaterScan.org as of 12/27/2024

Wastewater Surveillance for Covid-19 (Clark County, NV)

SARS-CoV-2, Las Vegas, NV



● Sample collected
● Las Vegas, NV (Clark County Water Reclamation District (CCWRD) Flamingo Water Resource Center (FWRC))

Data Source: WastewaterScan.org as of 01/01/2024



Wastewater Surveillance for Covid-19 (Clark County, NV)

Time Frame	Concentration Levels	Five Day Rolling Average Concentration	Percent Change in 5 day rolling average
Current	Low	162.68	-20.5
14 days ago	Low	204.58	10.2
30 days ago	Low	147.61	67.6
60 days ago	Very Low	97.09	NA

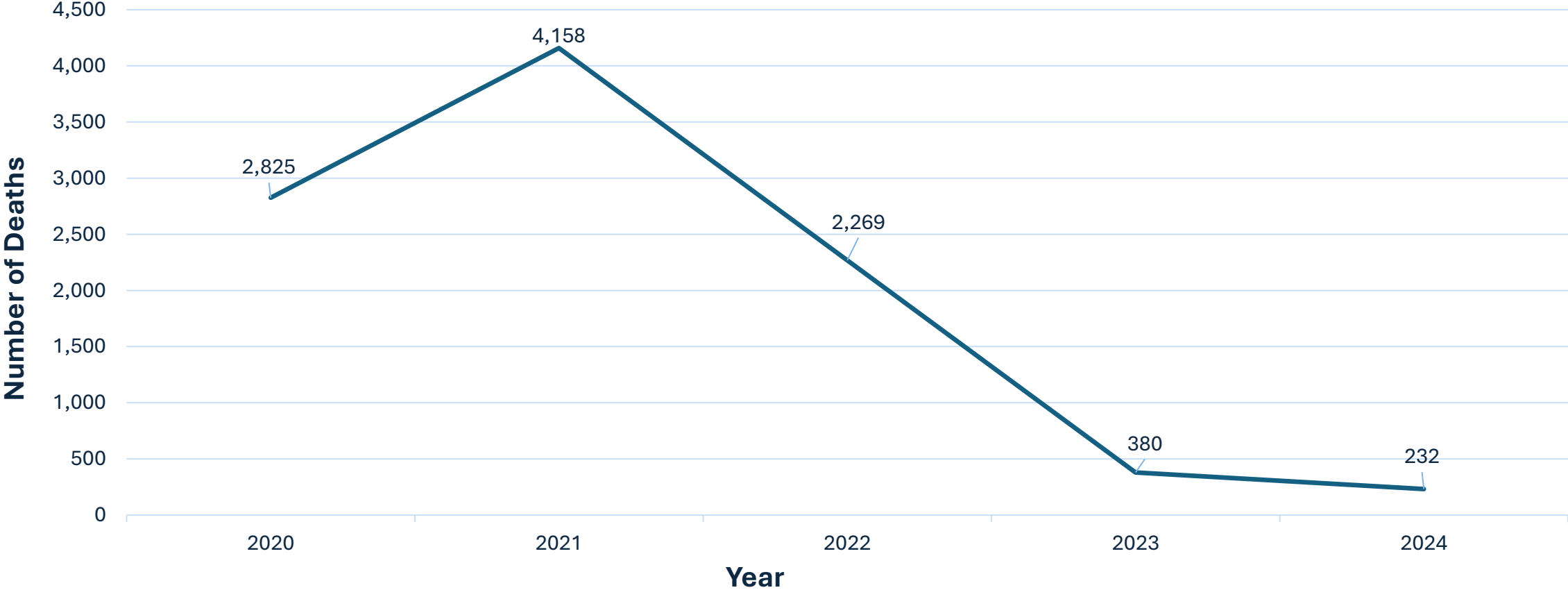
Data Source: WastewaterScan.org

Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center

Last Sampling Date: 01/01/25

Note: The data from WWSCAN is the normalized value for pathogen concentrations, normalized against PMMoV levels *1000000. This can be interpreted as the number of copies for a pathogen per million units of PMMoV.

Covid-19 Deaths Trend in Clark County, NV



Data Source: SNHD Surveillance Data as of 01/06/2024, Clark County residents



Covid-19 Deaths in Clark County, NV by Age, 2024

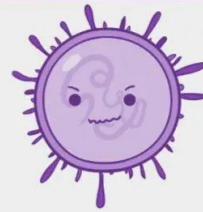
Age Group	Deaths
0 - 4	1
5 - 17	0
18 - 24	1
25 - 49	9
50 - 64	29
65 +	192
Total Confirmed Cases	232

Data Source: SNHD Surveillance Data as of 01/06/2024, Clark County residents

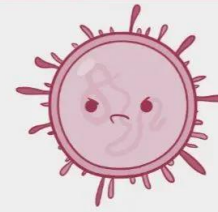
Influenza

INFLUENZA → "THE FLU"
* **HIGHLY CONTAGIOUS RESPIRATORY DISEASE**
caused by **INFLUENZA VIRUS**

INFLUENZA A



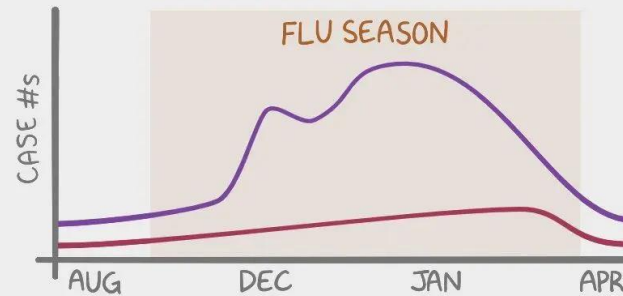
INFLUENZA B



INFLUENZA C

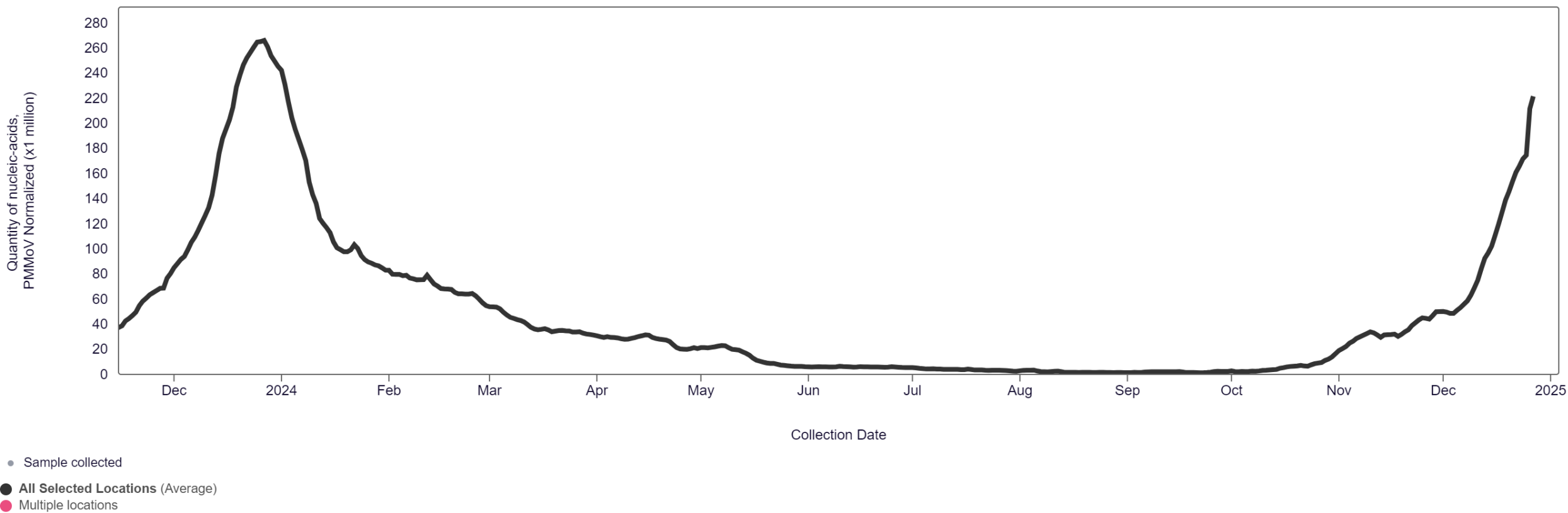


↳ **MILD ILLNESS**
NOT EPIDEMICS



Wastewater Surveillance for Influenza (US)

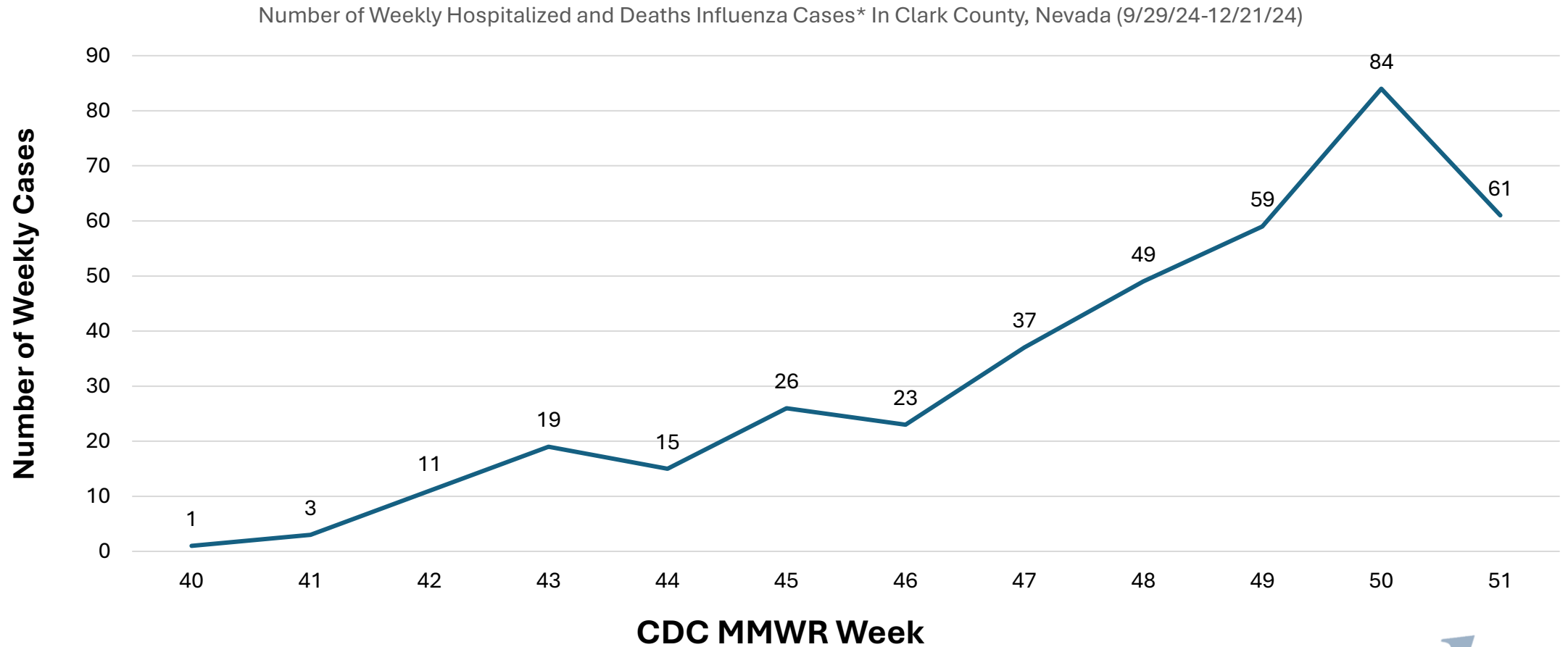
Influenza A, 192 Sites



Data Source: WastewaterScan.org as of 12/27/2024



Influenza Surveillance in 2024-2025 Season

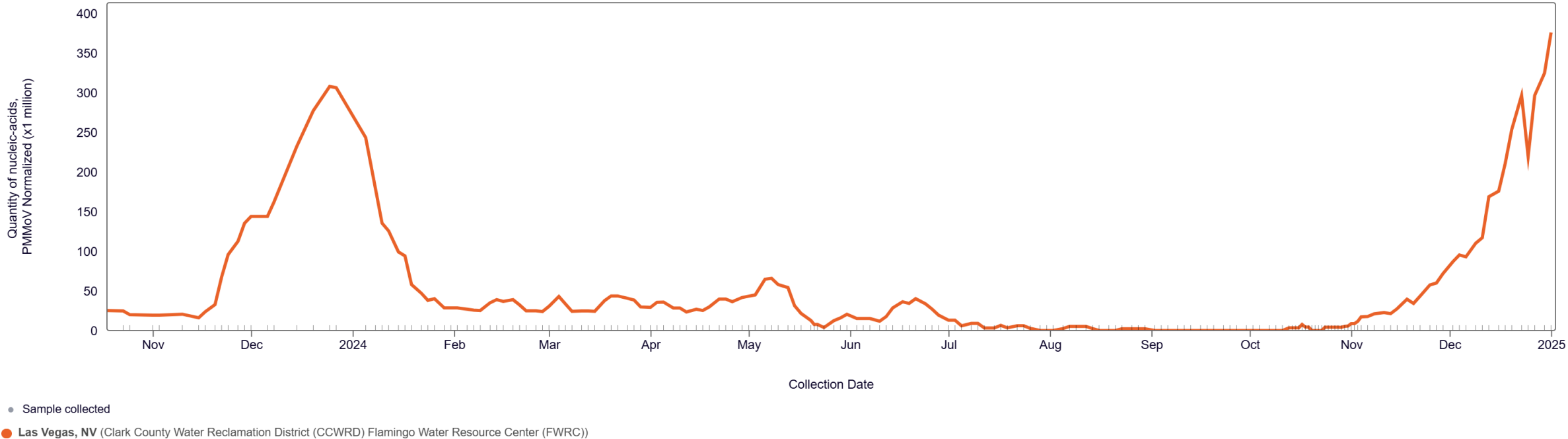


Data Source: SNHD Surveillance Data as of 1/3/2025

*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

Wastewater Surveillance for Influenza (Clark County, NV)

Influenza A, Las Vegas, NV



Data Source: WastewaterScan.org as of 12/27/2024



Wastewater Surveillance for Influenza A (Clark County, Nevada)

Time Frame	Concentration Levels	Five Day Rolling Average Concentration	Percent Change in 5 day rolling average
Current	High	284.54	25.3
14 days ago	High	227.00	364.5
30 days ago	High	61.26	3,766.8
60 days ago	Low	7.36	NA

Data Source: [WastewaterScan.org](https://www.wastewaterScan.org)

Sampling Location: Clark County Water Reclamation District, [Flamingo Water Resource Center](#)

Last Sampling Date: [01/01/25](#)

Note: The data from WWSCAN is the normalized value for pathogen concentrations, normalized against PMMoV levels *1000000. This can be interpreted as the number of copies for a pathogen per million units of PMMoV.

MMWR Week 40 to MMWR Week 51, 2024

Influenza Type	Hospitalizations	Deaths		Cases
		With Hospitalization History	Without Hospitalization History	
Influenza A	364	5	1	365
Influenza B	7	0	0	7
Influenza, unknown type (RIDT*)	1	0	0	1
Total	372	5	1	373

NOTE: RIDT = Rapid Influenza Diagnostic Test

This report does not include cases diagnosed without hospitalization unless a death occurred. The total number of confirmed influenza cases is determined by taking the sum of hospitalizations and deaths without hospitalization.

Deaths that occur with hospitalization history are reflected in the hospitalization count.

MMWR Week 40 to MMWR Week 51, 2024

Age Group	Hospitalizations	Deaths		Cases
		With Hospitalization History	Without Hospitalization History	
0-4 yrs	33	0	0	32
5-17 yrs	22	0	0	22
18-24 yrs	12	0	0	12
25-49 yrs	55	1	0	55
50-64 yrs	65	1	1	66
65+ yrs	185	3	0	185
Total	372	5	1	373

Note: The total number of confirmed influenza cases is determined by taking the sum of hospitalizations and deaths without hospitalization. Deaths that occur with hospitalization history are reflected in the hospitalization count.

Respiratory Syncytial Virus (RSV)

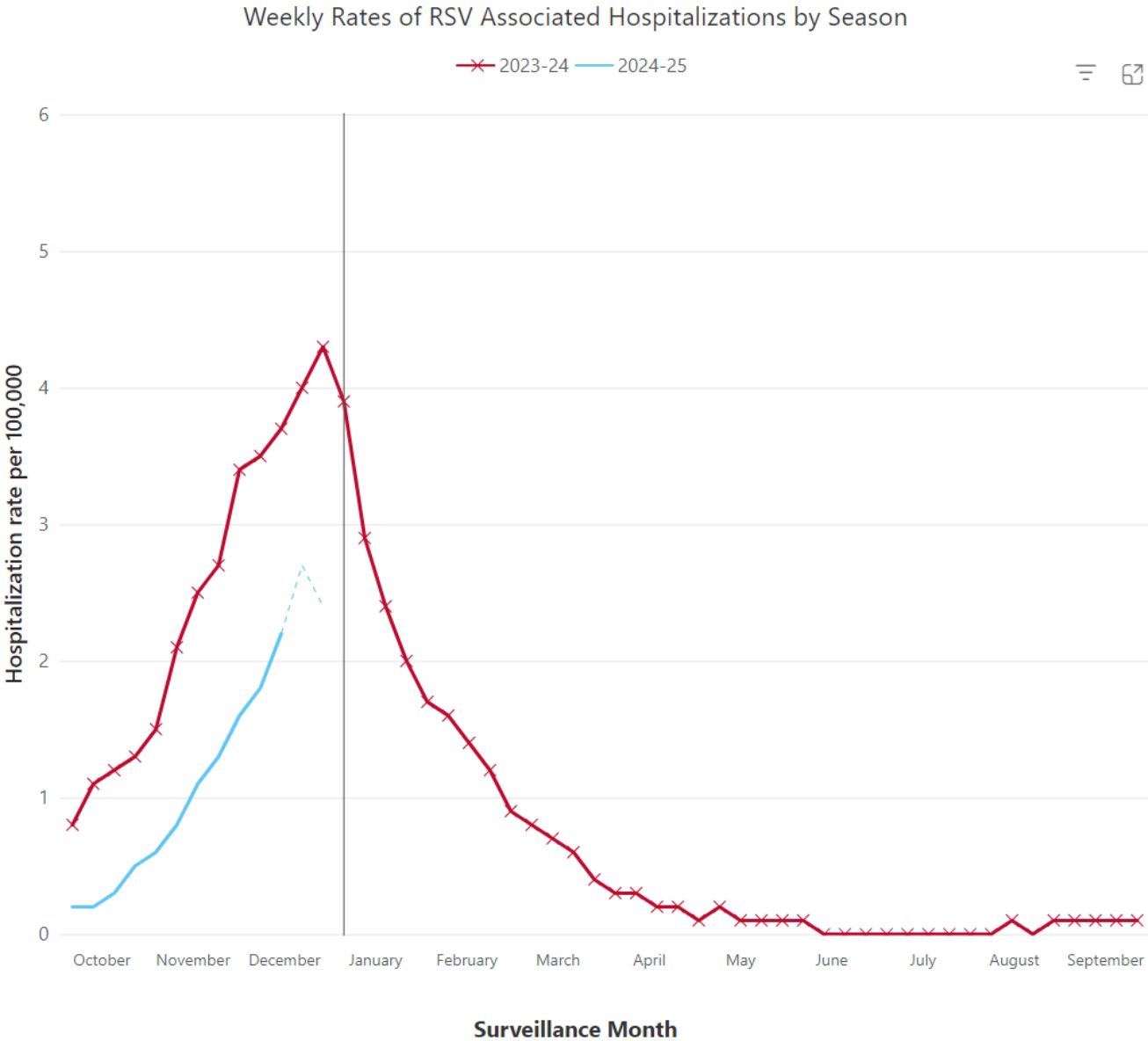
*When it's more
than just a cold.*

RSV symptoms:

- Tugging at the neck to try to get air
- Fast breathing
- Flared nostrils
- Belly breathing



Reported RSV Cases, US (2023 and 2024)

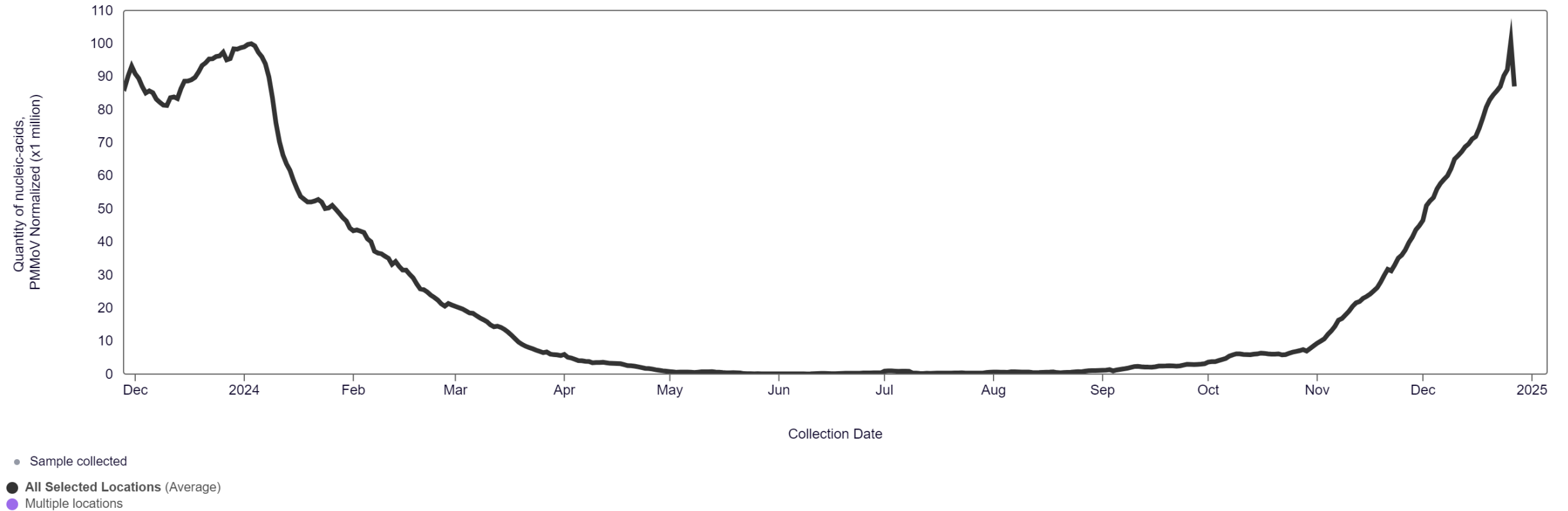


Date last updated: 01/02/2025



Wastewater Surveillance for RSV (US)

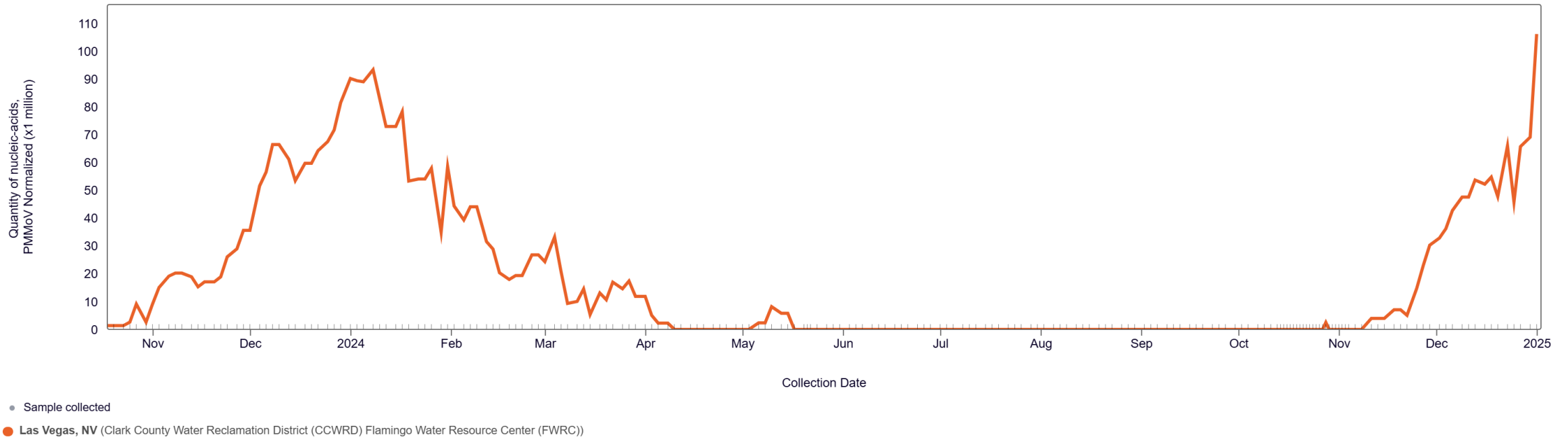
RSV, All Wastewater Sites



Data Source: WastewaterScan.org as of 01/01/2024

Wastewater Surveillance for RSV (Clark County, NV)

RSV, Las Vegas, NV



Data Source: WastewaterScan.org as of 01/01/2024

Wastewater Surveillance for RSV (Clark County, Nevada)

Time Frame	Concentration Levels	Five Day Rolling Average Concentration	Percent Change in 5 day rolling average
Current	High	66.31	13.8
14 days ago	High	58.28	212.8
30 days ago	High	21.20	849.8
60 days ago	Medium	6.98	NA

Data Source: WastewaterScan.org

Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center

Last Sampling Date: 01/01/25

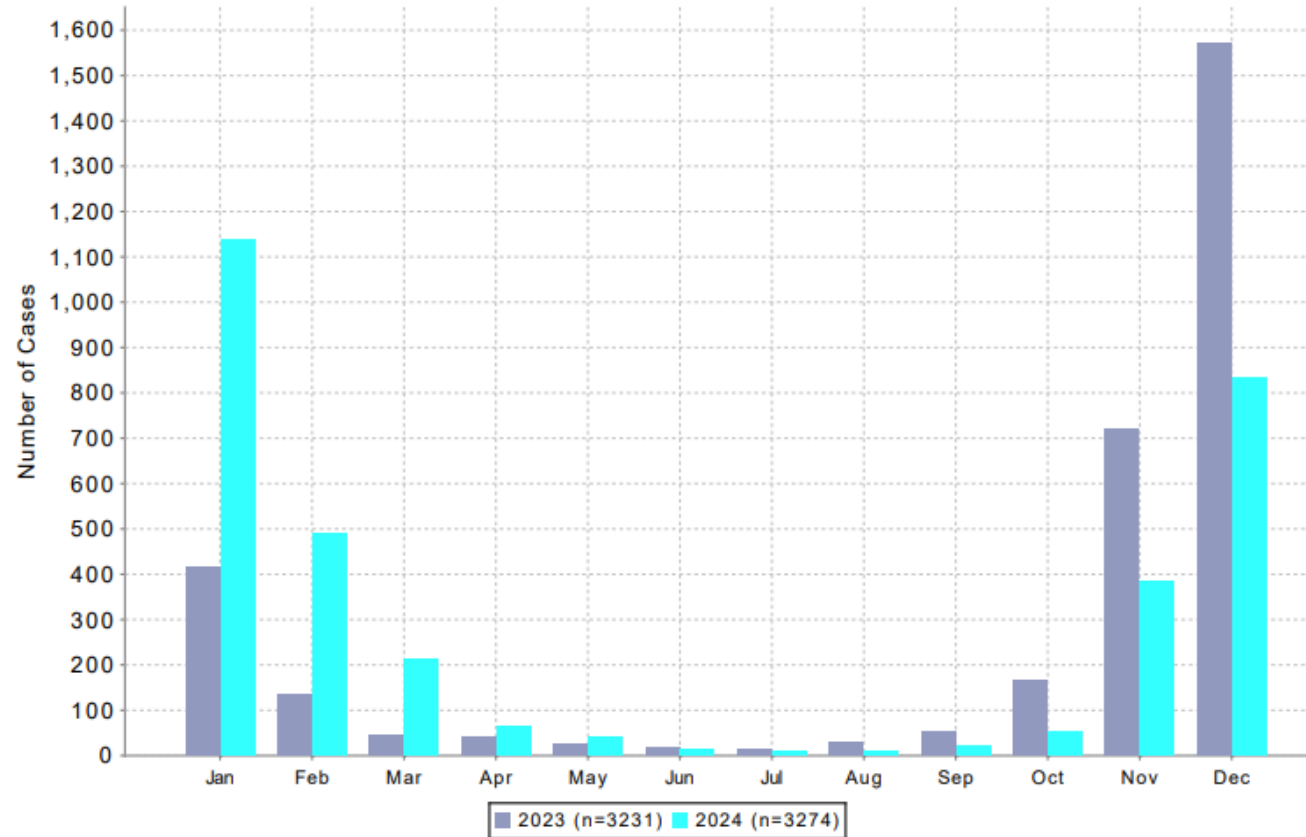
Note: The data from WWSCAN is the normalized value for pathogen concentrations, normalized against PMMoV levels *1000000. This can be interpreted as the number of copies for a pathogen per million units of PMMoV.

Reported RSV Cases in Clark County, NV (2023 and 2024)



Disease Counts by Month and Year, Clark County, NV 2023 - 2024

RSV
(n=6,505)



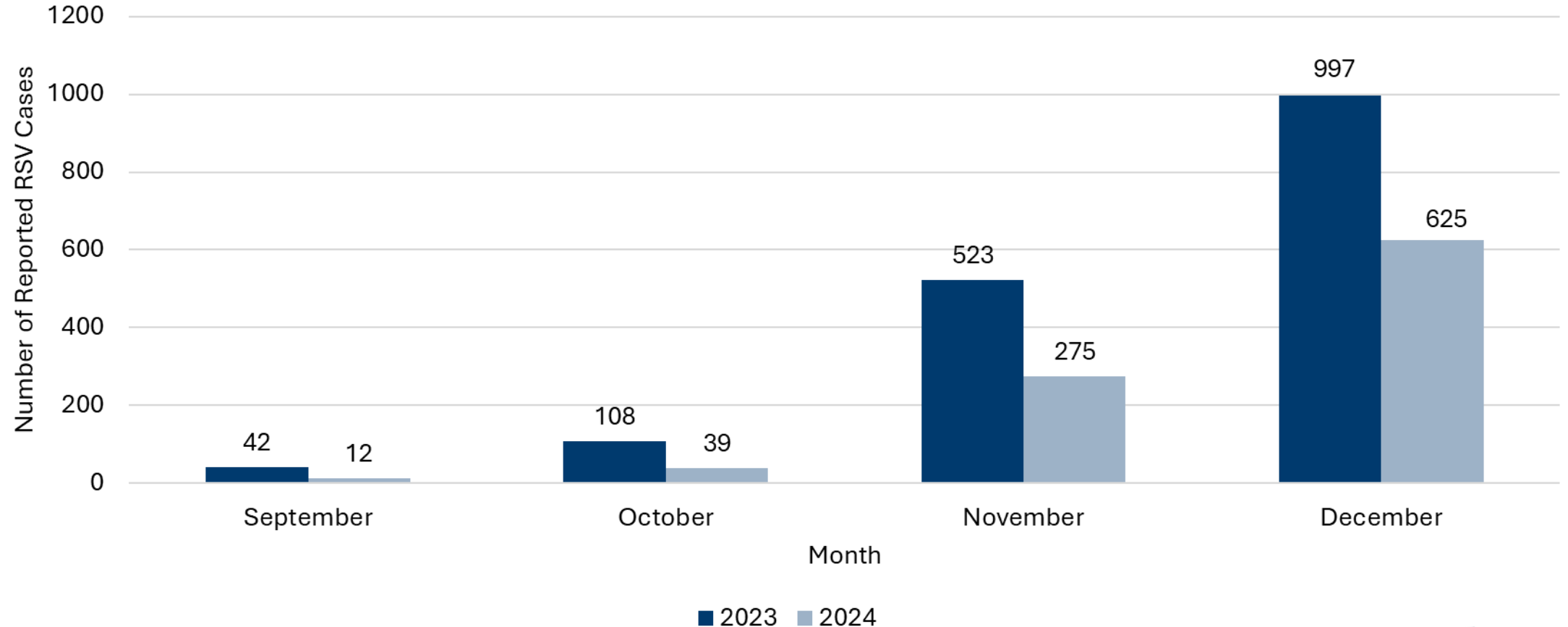
Inclusion Criteria for cases: Public health status is one of "Approved by Local Health Dept.", "Reopened by State", or "Closed" and LHD case status is one of "Confirmed", "Probable", or "Suspect"

Data Source: SNHD Surveillance Data as of 01/06/2025

Data from December 2024 is preliminary due to reporting/processing delay



Reported RSV Cases of 0–4-year-old in Clark County, NV (September – December in 2023 and 2024)



Data Source: SNHD Surveillance Data as of 12/23/24



Influenza H5

- ▶ As of December 31, 2024, there have been 66 confirmed and 7 probable cases of H5 influenza in the United States
- ▶ From January 1, 2003 to November 1, 2024, there have been 939 cases of human infection with avian influenza A(H5N1) virus in 24 countries
- ▶ In the United States, there have been confirmed cases of avian influenza A(H5N1) virus infections in dairy cows in 238 dairy herds across 14 states.
- ▶ Risk to the Public is low

Monitoring

WWTP	Source	PCR Target	PCR Target Detected	PCR Type	PCR Target Units	Sample Collection Date	Test Result Date
CCWRD	CDC/Verily	Fluav A H5	Yes	ddPCR	Liquid Wastewater	11/18/2024	11/19/2024
CCWRD	WastewaterSCAN	Fluav A H5	Yes	ddPCR	Dry Sludge	11/27/2024	12/2/2024
CCWRD	CDC/Verily	Fluav A H5	Yes	ddPCR	Liquid Wastewater	12/4/2024	12/6/2024
CCWRD	CDC/Verily	Fluav A H5	Yes	ddPCR	Liquid Wastewater	12/9/2024	12/11/2024
CCWRD	CDC/Verily	Fluav A H5	Yes	ddPCR	Liquid Wastewater	12/16/2024	12/17/2024
CCWRD	CDC/Verily	Fluav A H5	Yes	ddPCR	Liquid Wastewater	12/18/2024	12/19/2024

Acknowledgements

- Office of Informatics and Epidemiology staff:
 - Zuwen Qiu-Schulz, MPH
 - Benjamin Ashraf, PhD, MPH
 - Rebecca Topol, SM
 - Rosanne Sugay, MD, MPH
 - Lei Zhang, MS
- Acute Communicable Disease Control staff



280 S Decatur Blvd, Las Vegas, NV 89107



Facebook.com/[SouthernNevadaHealthDistrict](https://www.facebook.com/SouthernNevadaHealthDistrict)



@SNHDinfo



YouTube.com/[SNHealthDistrict](https://www.youtube.com/SNHealthDistrict)



@southernnevadahealthdistrict