



WEEKLY INFLUENZA EPIDEMIOLOGY REPORT

23 DECEMBER 2025

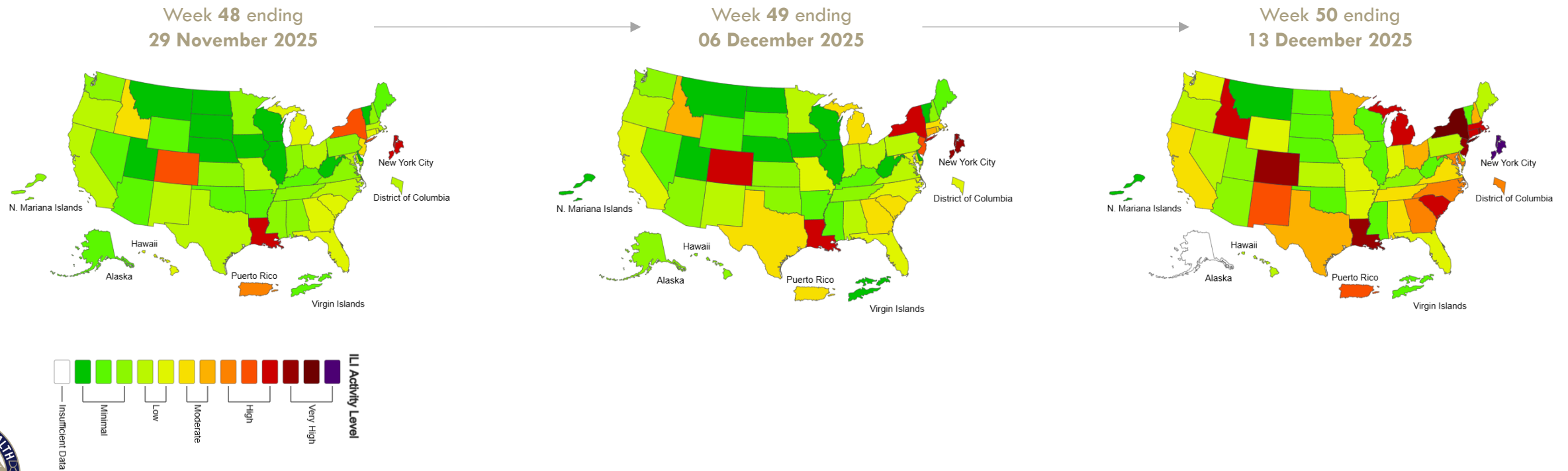


Influenza || Nationwide ILI Situation

KEY POINTS

- Jurisdictions nationwide continue to see increasing rates of influenza-like illness (ILI) activity (**Figure 1**).
- ILI-activity is affecting several states and large cities, including Louisiana with very high activity; Colorado, New York, and New York City, and Puerto Rico with high activity.

Figure 1. ILI activity map for MMWR weeks 47-49.¹

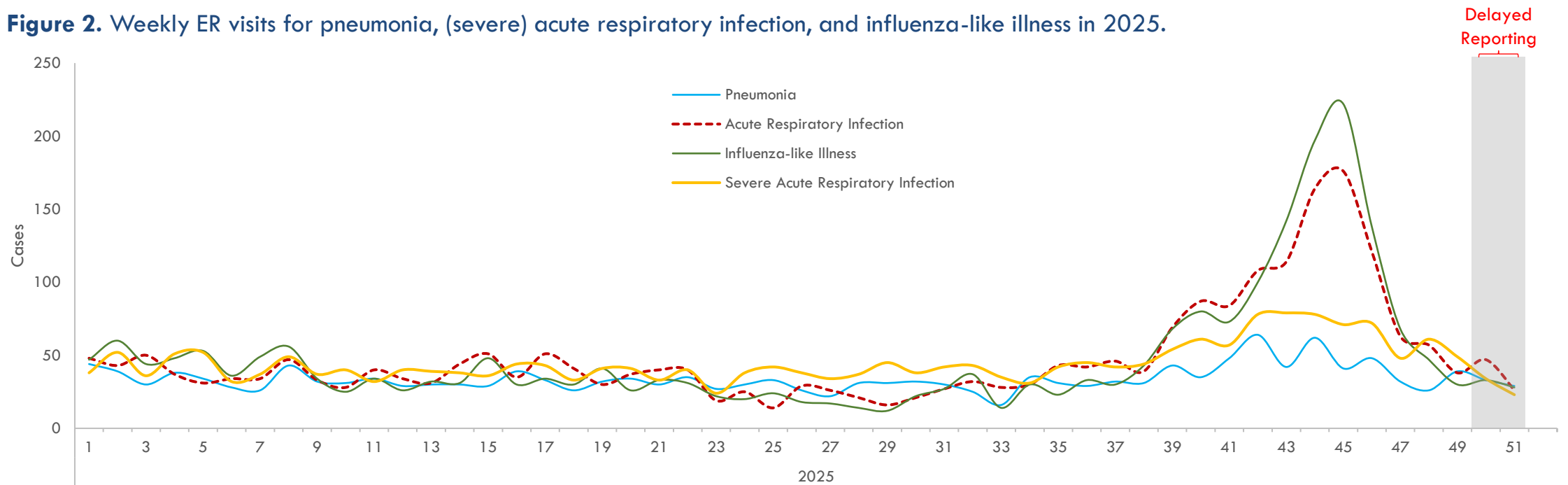


Influenza || Guam Syndromic Surveillance

KEY POINTS

- Pneumonia, severe-/acute respiratory infection, and influenza-like illness, encounters at the ER of GMHA and GRMC are represented in **Figure 2.**
- Weekly reports of each indicator have demonstrated a steady increase beginning mid-September, followed by a marked rise towards late-October.
- The most recent week was characterized by reduced visits to the ER for PN, S/ARI, and ILI.

Figure 2. Weekly ER visits for pneumonia, (severe) acute respiratory infection, and influenza-like illness in 2025.

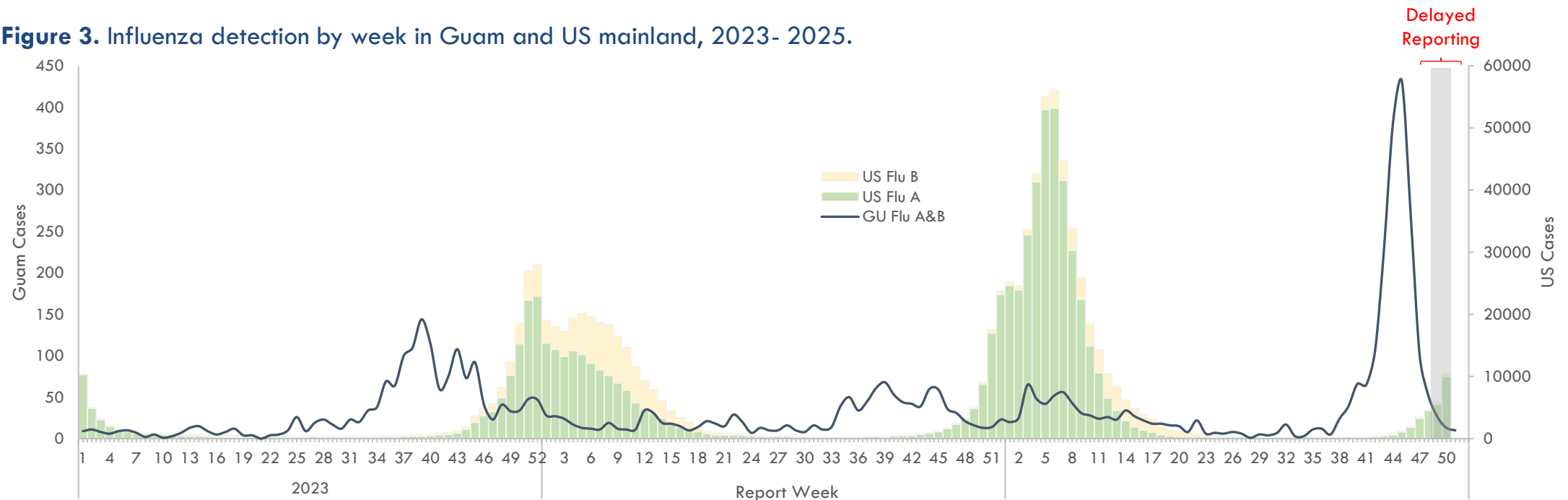


Influenza || Guam vs Nationwide comparison

KEY POINTS

- Recent data illustrates emergence from the worst of this season, as rates case detections continue to decelerate, with only 10 cases reported week ending December 20.
- Conversely, the mainland US has entered its influenza season.

Figure 3. Influenza detection by week in Guam and US mainland, 2023- 2025.



Influenza || Local trend

KEY POINTS

- **Figure 4³** represents all influenza cases by week in Guam from 2023-present, including the 2yr average and bounds.
- As illustrated, this recent surge of influenza occurred much later than what has been observed in previous years.
- Clear indication of waning has been reached.

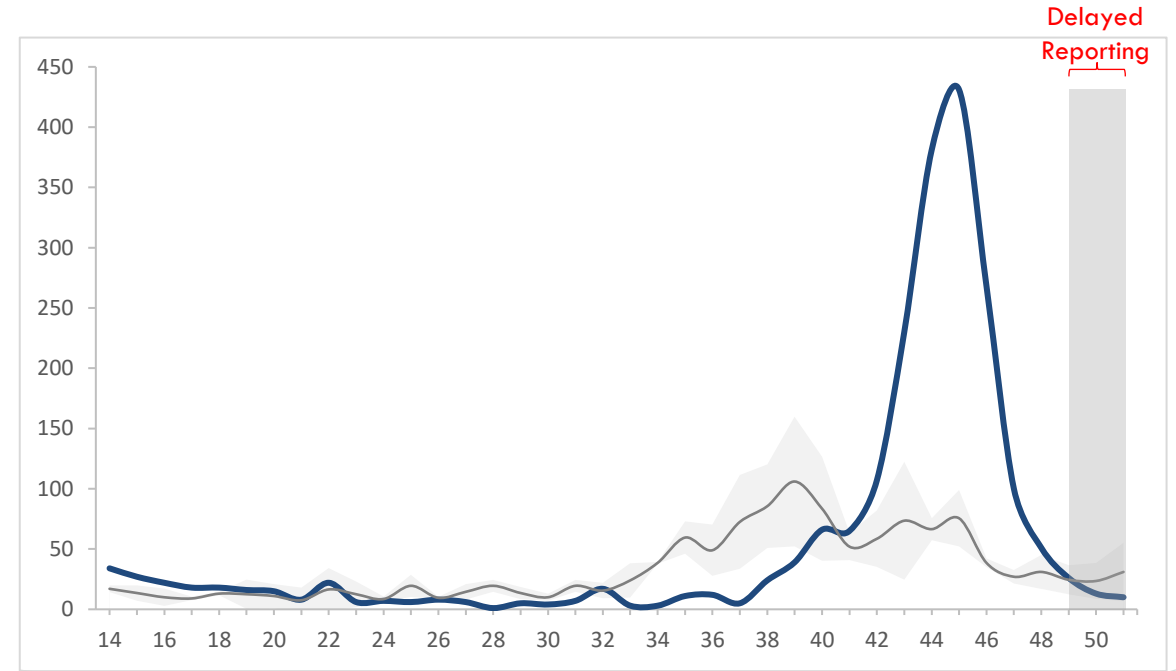
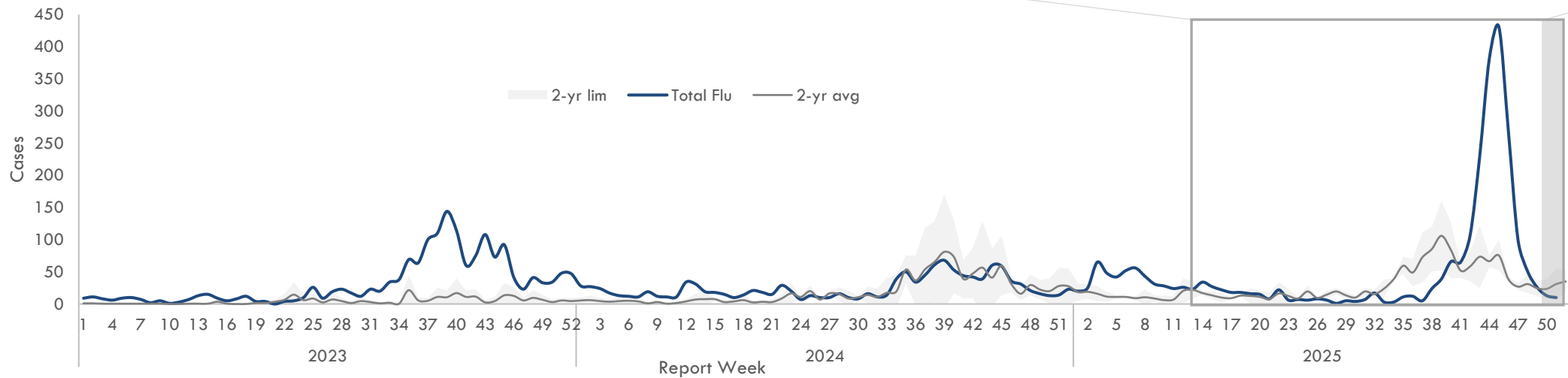


Figure 4. Influenza detection by week in Guam, 2023-2025.

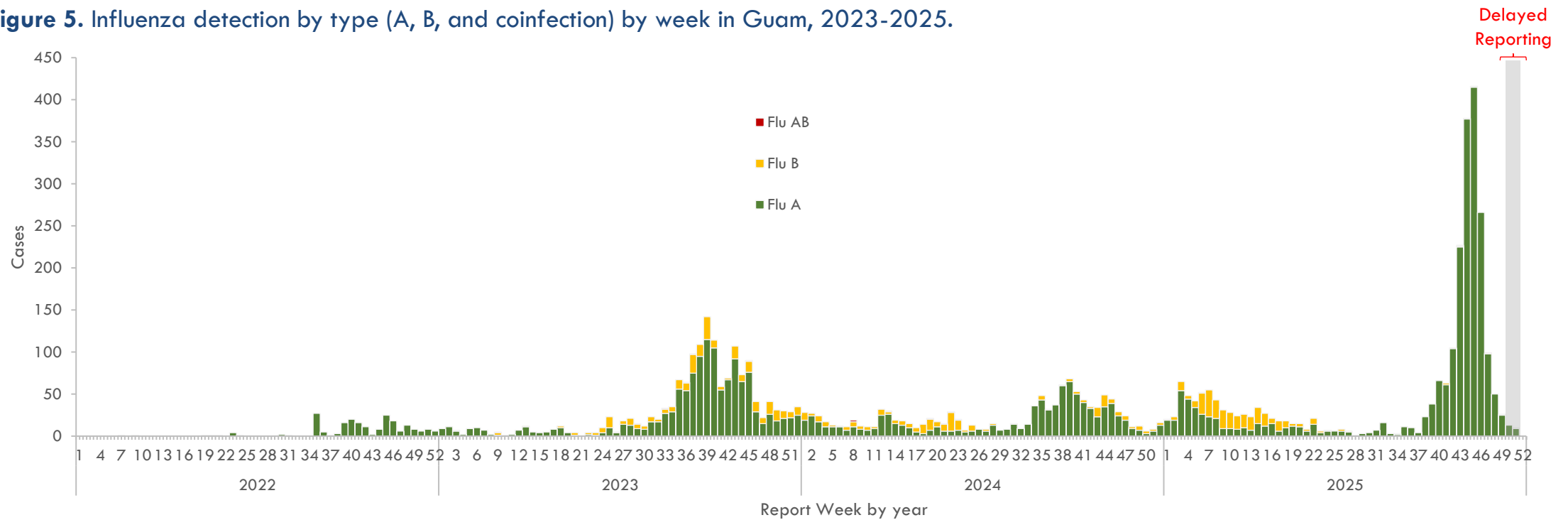


Influenza || Local trend (continued)

KEY POINTS

- Influenza A continues to make up the majority influenza type in circulation (**Figure 5**).³
- Preliminary wastewater surveillance data for Guam also provides supporting evidence that Influenza A is the dominant type observed in the community. Influenza B has not been detected via wastewater in the past 3 months.

Figure 5. Influenza detection by type (A, B, and coinfection) by week in Guam, 2023-2025.



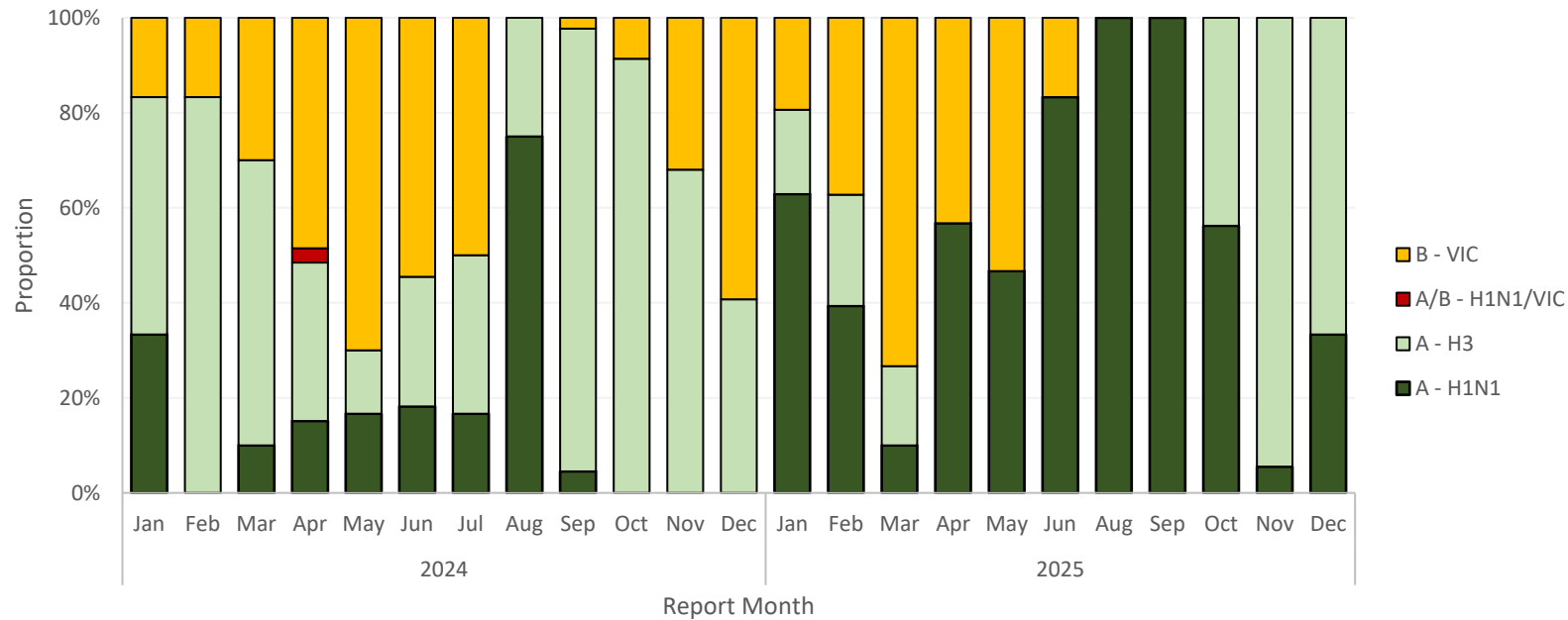
Influenza || Local trend (continued)

KEY POINTS

- There has been a significant shift in subtype from October to November, with Influenza A/H3 now being the dominant subtype detected in Guam, confirming what has been detected in wastewater surveillance data.
- This now agrees with what has been reported in October and November 2024, with the dominant subtype being H3.
- Subtyping data for the month of December is characteristic of a 50/50 circulation of H1N1pdm09 and H3.
- Note, the figure below presents the date of subtype, not the date of sample collection. The number of samples subtyped for September 2024 are also small.

Figure 6. Proportion of influenza subtype by month in Guam, 2024-2025.

Providers are encouraged to submit influenza samples for further subtyping to Guam Public Health Laboratory



Influenza || Local trend (continued)

KEY POINTS

- Providers are encouraged to submit influenza samples for subtyping by Guam Public Health Laboratory (GPHL).
- GPHL continues to receive antigen characteristic results from the CDC, which determine whether circulating influenza strains in Guam are captured by the virus component used in the influenza vaccine formulations.
- To date, for 2025, GPHL received confirmation of **4** local influenza isolates antigenically characterized and confirmed for being antigenically related to A/WISCONSIN/67/2022-LIKE (H1N1)pdm09 virus.
 - This reference virus component is used in the 2024-2025 northern hemisphere and 2025 southern hemisphere cell-based influenza-vaccine formulations.⁵



Influenza || Local trend (continued)

KEY POINTS

- Majority of those reported with influenza consist of the school-age children (05 to 19 years) and those ages 20 to 54 years) (**Figure 7**).³
- The proportion of age groups remains relatively consistent between 2024 and 2025.
- **Figure 8** further stratifies school-age children by class, highlighting the Kindergarten to elementary age children as most susceptible.
- New hospital admissions have recently declined.

Figure 7. Proportion of age groups diagnosed with influenza in Guam, 2024 and 2025.

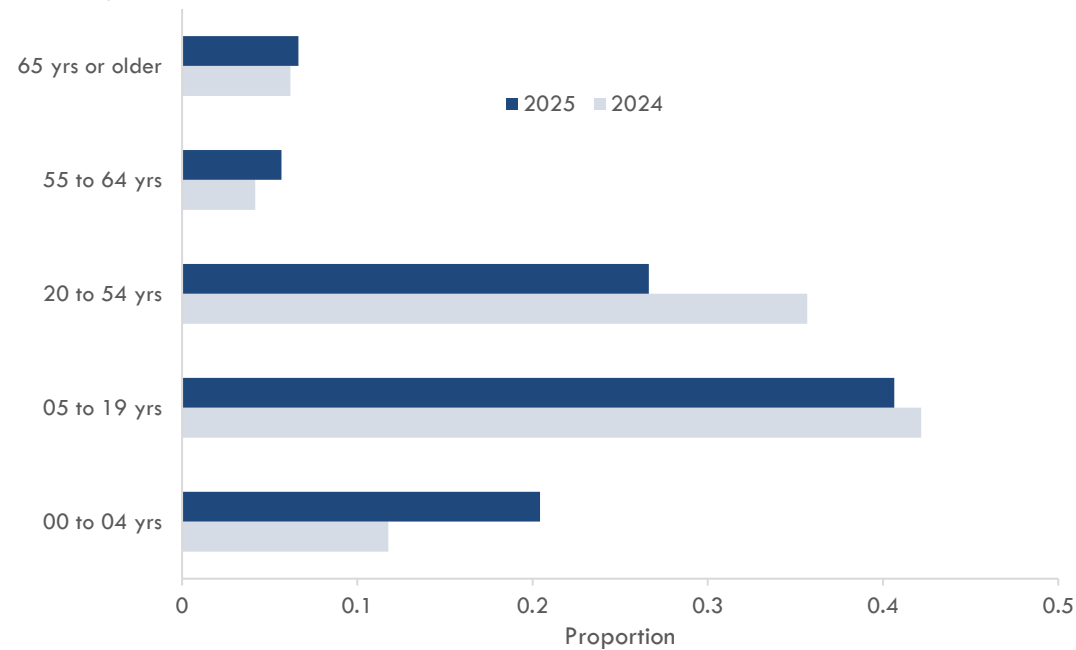
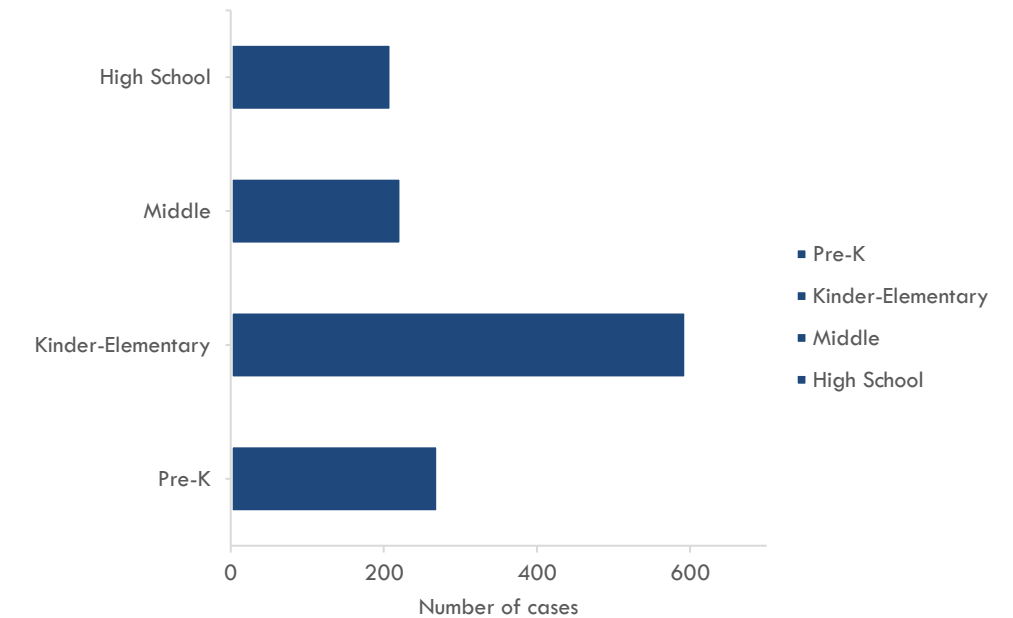


Figure 8. Number of school-age children diagnosed with influenza in Guam, by class, 2025.



Additional Information



Scan the QR Code to visit
the [Guam Communicable Disease Dashboard](#).

For additional information or for general inquiries, please
contact dphss.surveillance@dphss.guam.gov.



Surveillance data are compiled by one or more of the following members of the Surveillance team: Angelika Argao, Aaron Arizala.
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