WEEKLY GASTROENTERIC ILLNESS EPIDEMIOLOGY REPORT

14 MAY 2025

Guam Department of Public Health and Social Services
Division of Public Health
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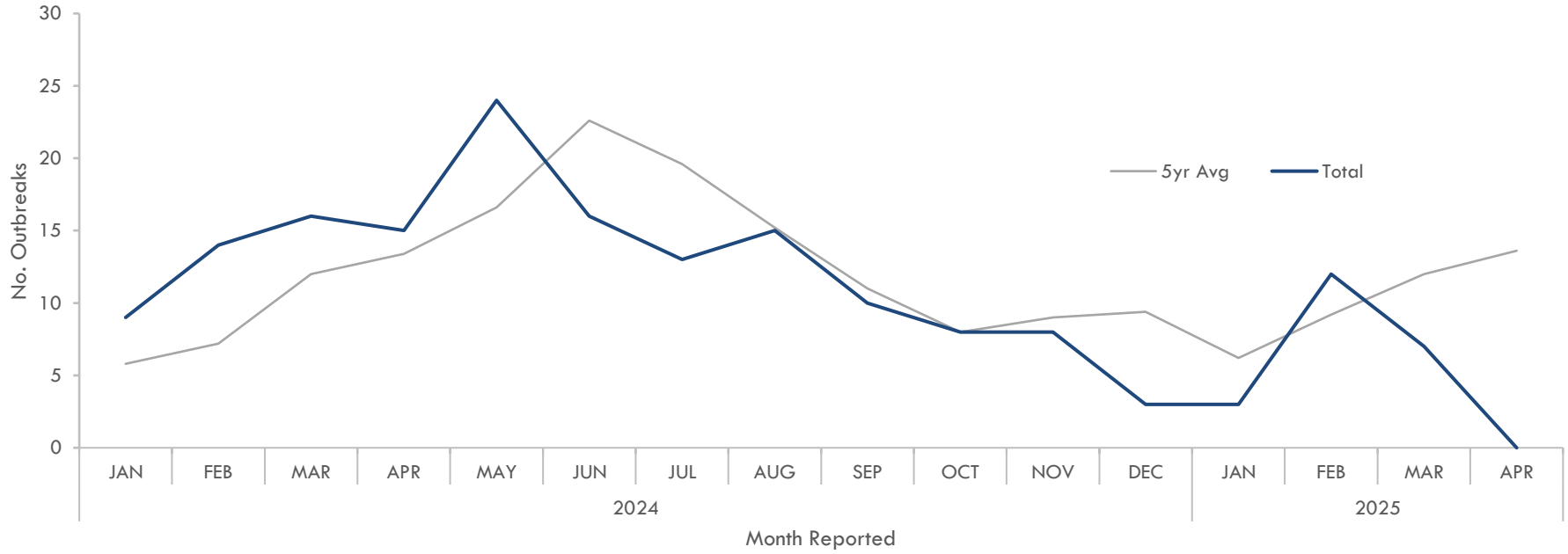
Enteric Disease || Multistate Outbreaks

Key Points

- **Figure 1**[1] illustrates the number of multistate outbreaks associated with *Salmonella*, *STEC*, *Shigella*, *Campylobacter*, and *Vibrio*, detected by the Centers for Disease Control and Preventions (CDC's) Bacteria, Enterics, Ameba, and Mycotics (BEAM) Dashboard.
- There have been several outbreaks reported from January to March 2025, with only February exceeding the 5yr average.
- However, these multistate outbreaks remain below expectation compared to 2024.
- Multistate outbreaks in the second half of 2024 and 2025 have consistently remained below the 5yr rolling average.

Figure 1. Multistate outbreaks of Salmonella, STEC, Shigella, Campylobacter, and Vibriosis, 2024-2025.



[1]CDC BEAM Dashboard

Enteric Disease || Multistate Outbreaks

Key Points

- **Figure 2**[1] represents the proportion of outbreaks associated with *Salmonella*, *STEC*, *Shigella*, *Campylobacter*, and *Vibrio*.
- The majority of outbreaks for 2024 have been associated with *Salmonella* spp; of the *Salmonella* spp., *Salmonella Enteritidis* accounted for 42% of *Salmonella* outbreaks, followed by *Newport (22%)* and *Tyhpimurium (6%)*.
- However, September and October detected higher STEC reports, with O157:H7 being the dominant serotype.
- **Figure 3**[2] represents the proportion of cases associated with enteric illness-causing pathogens reported in Guam. Concordant to **Figure 2**, the dominant pathogen associated with enteric illness in Guam is *Salmonella* (unknown serotype), followed by *Campylobacter* and *Vibriosis*.
- No enteric disease-based laboratory tests were detected in February 2025 in Guam.
- *Note: **Figure 2** represents outbreaks reported in the US; **Figure 3** represents cases detected in Guam.*

Figure 2. Proportion of multistate outbreaks, US, by bacteria, 2024-25

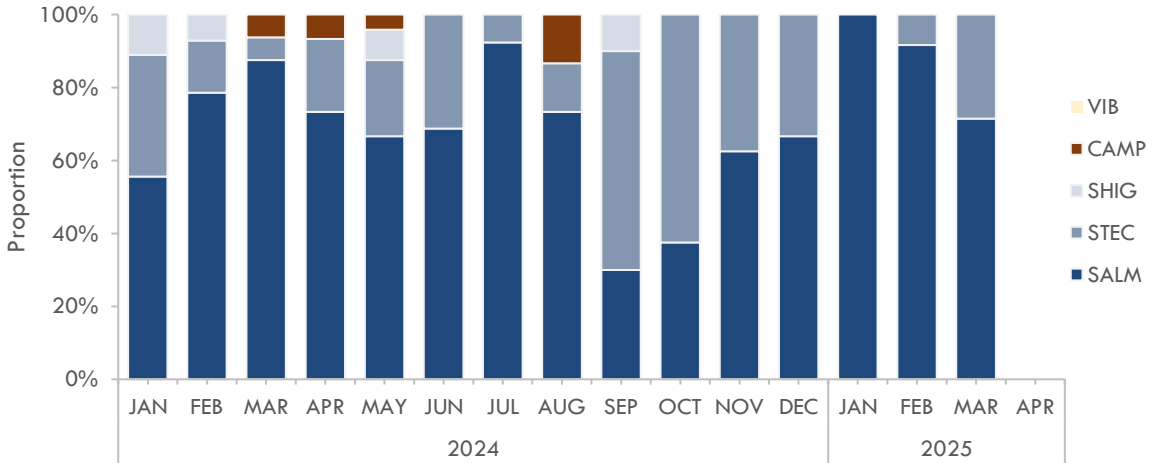
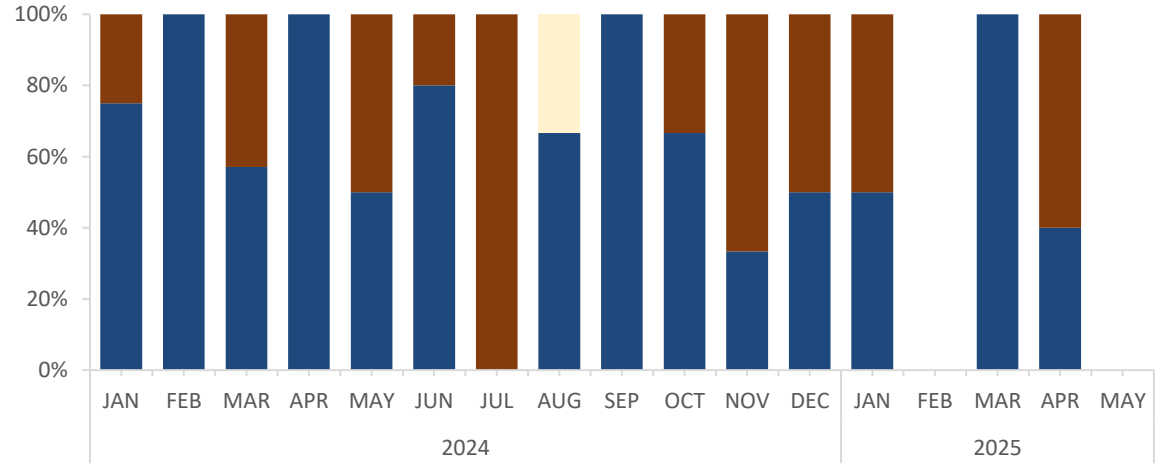


Figure 3. Proportion of cases detected in Guam, by bacteria, 2024-25



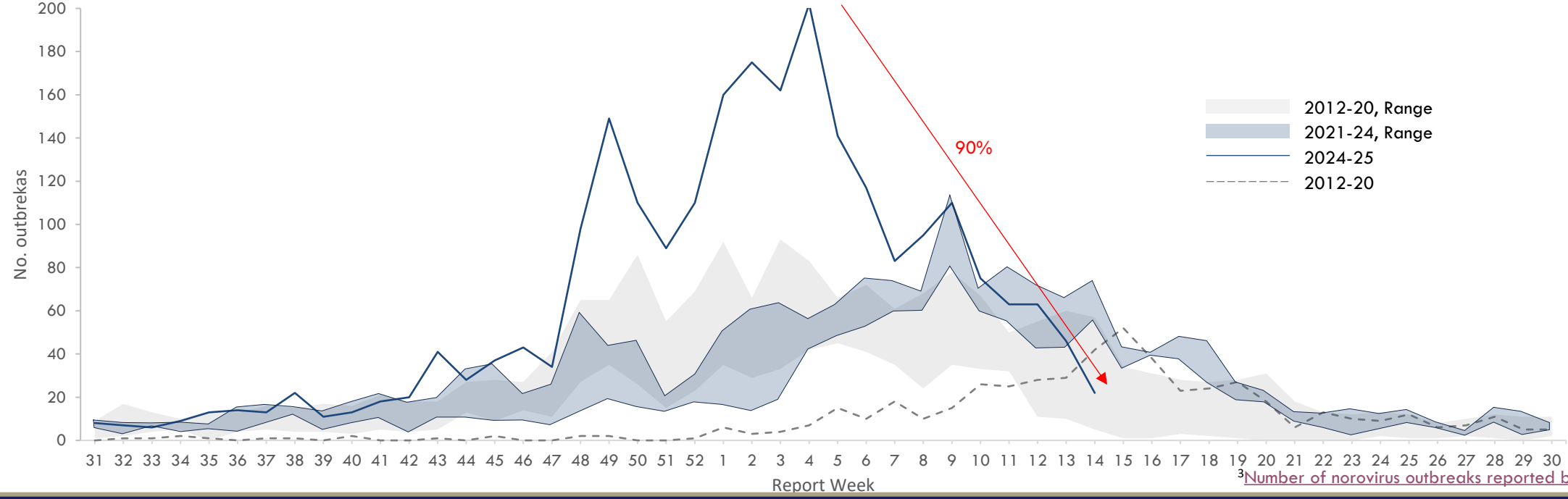
[1]CDC BEAM Dashboard, [2]Guam Communicable Disease Dashboard

Enteric Disease || Nationwide Norovirus Update

Key Points

- The number of outbreaks associated with norovirus in the US have fallen within the expected range compared to historical trends(**Figure 4**), representing a 90% decrease since the height of norovirus outbreaks in early 2025.[3]
- In late 2024 to 2025 norovirus reports were detected 3 to 4 times more outbreaks than the max number of outbreaks in the preceding 3yr range.

Figure 4. Suspected and confirmed norovirus outbreaks by week, NoroSTAT participating states, 2012-2025.



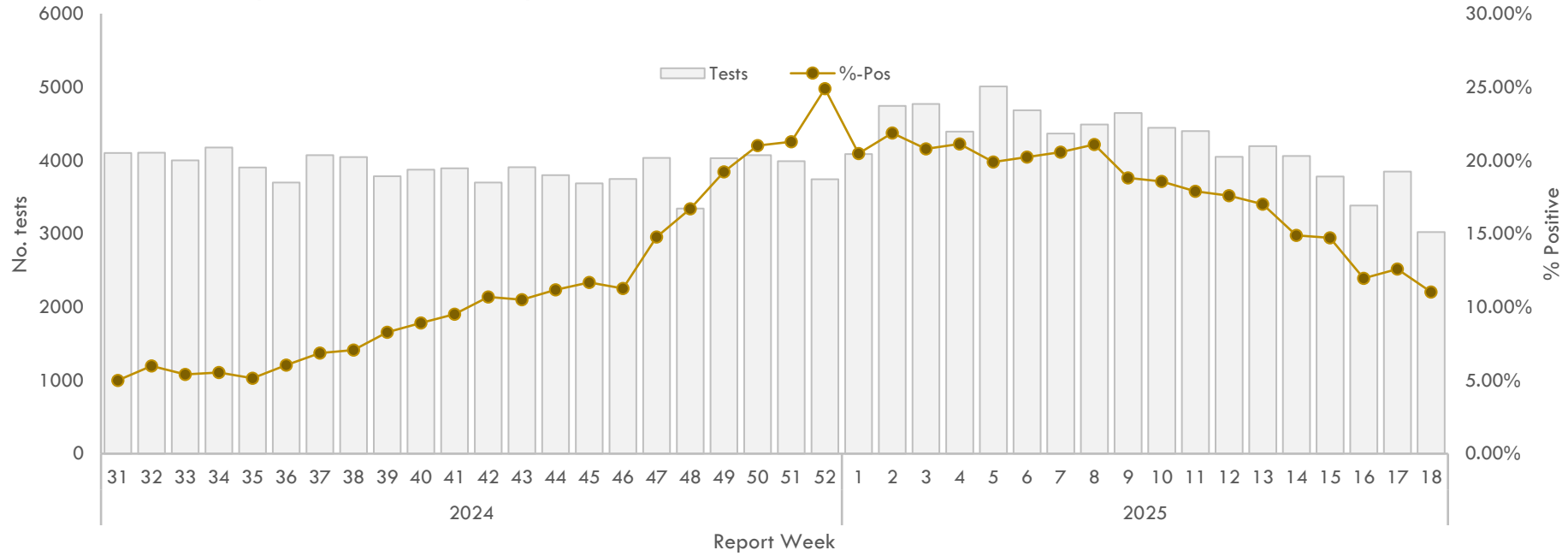
[3] Number of norovirus outbreaks reported by NoroSTAT, CDC

Enteric Disease || Nationwide Norovirus Update

Key Points

- **Figure 5** illustrates the combined weekly testing volume and percent positive for norovirus tests reported through the US National Respiratory and Enteric Virus Surveillance System (NREVSS).
- Both testing volume and percent-positive test results remained stable in the first quarter of 2025.
- Beginning March 2025, however, decreases in both volume and positivity were observed
- Based on Guam's data (next slide), consideration should be given to the increased incidence of norovirus based on testing characteristics.

Figure 5. Norovirus weekly test volume and %-positive, NREVSS, 2024-25.



[4]Norovirus weekly tests NREVSS, CDC

Enteric Disease || Local Update

Key Points

- Guam continues to see reports of acute gastroenteritis (AGE) in excess of what has been detected in previous years (**Figure 6**).[2]
- For all of 2025, Guam has consistently detected an increase in reported cases compared to its 3yr average.
- There was a sudden increase of AGE cases toward the end of April early May 2025. This does not align with previous trends and could be an early warning for potential increased transmission.
- **Table 1** represents the total number of confirmed and probable cases by pathogen for 2024-2025, in Guam. [2]

Figure 6. Acute gastroenteritis weekly reports, Guam, 2025.

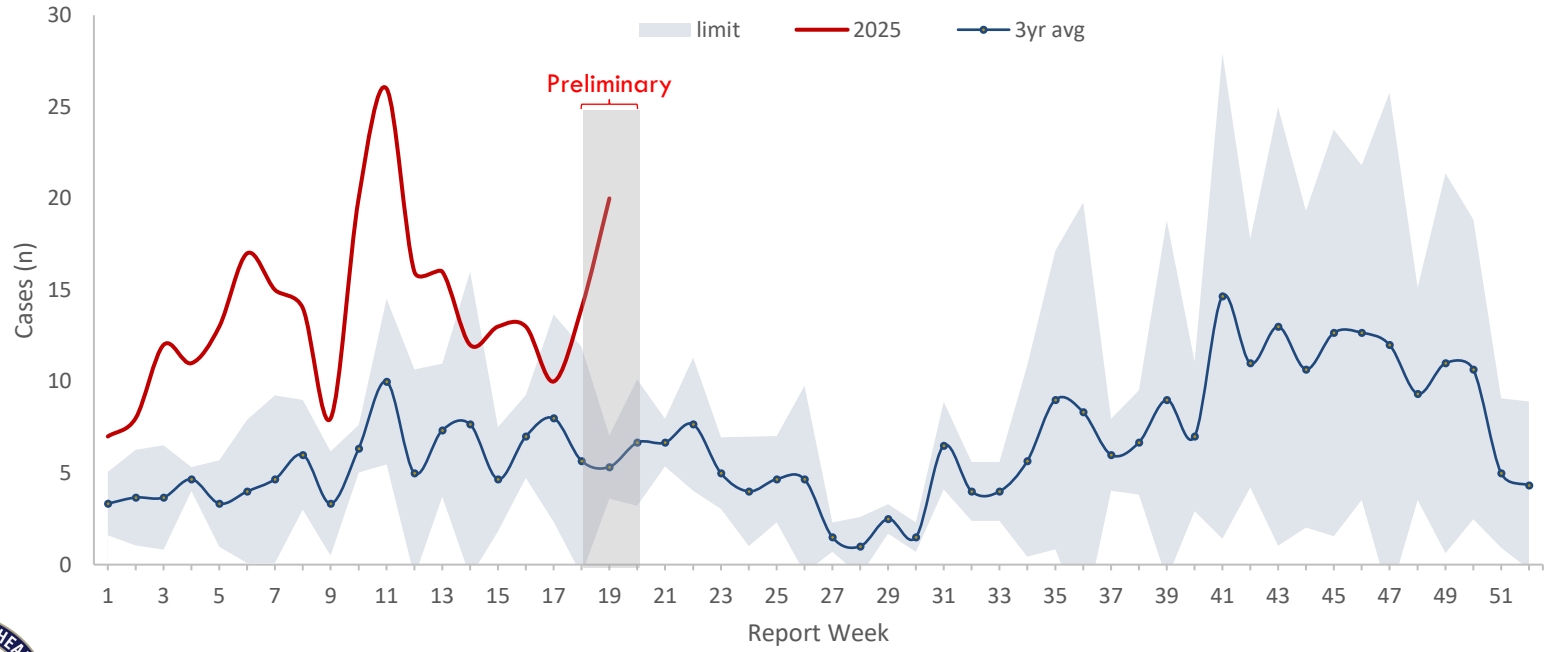


Table 1. Reports by pathogen, Guam, 2024-25.

Pathogen	2024	2025
Campylobacteriosis	4	5
Cryptosporidiosis	1	0
Hepatitis A	1	0
Salmonellosis	36	6
STEC (O157:H7)	0	0
Shigellosis	0	0
Vibriosis	1	0
Clostridium difficile	14	8
Norovirus	21	6
Rotavirus	3	0

[2]Guam Communicable Disease Dashboard

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.
Influenza viral characteristics are provided by one or more of the following Guam Public Health Laboratory team: Raven Aguon, Keno Hsueh, Michael O'Mallan, Alan Mallari, Anne Marie Santos.