



GOVERNMENT OF BERMUDA
Ministry of Health

SURVEILLANCE SUMMARY REPORT

2025:
EPIDEMIOLOGICAL WEEKS 9-12: 23 FEBRUARY 2025 – 22 MARCH 2025

The Surveillance Summary Report contains information on syndromes and communicable diseases reported into the Epidemiology and Surveillance Unit by Epidemiological Week (or as otherwise indicated). The Report currently contains 3 sections:

1. [Syndromic Surveillance](#)
2. [Conditions of Interest](#) – Influenza, COVID-19, and SARI (Severe Acute Respiratory Infection)
3. [Routine Communicable Disease Surveillance](#)

REPORT BASED ON DATA RECEIVED IN THE EPIDEMIOLOGY AND SURVEILLANCE UNIT BY 26 FEBRUARY 2025

Syndromic Surveillance

Syndromic surveillance is the analysis of health-related data to detect or anticipate disease outbreaks. Action on an increase or alert in the reported syndromes under surveillance could potentially stop or slow the spread of the outbreak. The syndromes under surveillance are as follows:

Acute Flaccid Paralysis (AFP): Acute (sudden) onset of flaccid paralysis in the absence of trauma. *Any patient in whom a healthcare worker suspects acute flaccid paralysis is considered to be a suspected case of poliomyelitis.*

Fever and Haemorrhagic symptoms: Acute (sudden) onset of fever ($> 38.0^{\circ}\text{C}$ or 100.4°F) in a previously healthy person, presenting with at least one haemorrhagic (bleeding) manifestation with or without jaundice (e.g. purpura, epistaxis, haemoptysis, melena).

Fever and Neurological symptoms (except AFP): Acute (sudden) onset of fever ($> 38.0^{\circ}\text{C}$ or 100.4°F) with or without headache and vomiting in a previously healthy person presenting with at least one of the following signs: meningeal irritation, convulsions, altered consciousness, altered sensory manifestations, paralysis except AFP.

Fever and Rash: Acute (sudden) febrile illness ($>38.0^{\circ}\text{C}$ or 100.4°F) in a previously healthy person, presenting generalized rash. *Any patient in whom a healthcare worker suspects measles or rubella infection is considered to be a suspected measles/rubella case. These patients generally have fever and generalized rash illnesses.*

Fever and Respiratory Symptoms (Acute Respiratory Infection): Acute (sudden) febrile illness ($> 38.0^{\circ}\text{C}$ or 100.4°F) in a previously healthy person, presenting with cough or sore throat with or without respiratory distress.

Gastroenteritis: Acute (sudden) onset of diarrhoea, with or without fever ($> 38^{\circ}\text{C}$ or 100.4°F) and presenting with 3 or more loose or watery stools in the past 24 hours, with or without dehydration, vomiting and/or visible blood.

Undifferentiated Fever: An acute (sudden) febrile illness ($> 38.0^{\circ}\text{C}$ or 100.4°F) in a previously healthy person of less than 7 days duration with two or more of the following manifestations: headache, retro-orbital pain, myalgia, arthralgia, nausea, vomiting, jaundice – AND without any particular symptoms fitting another syndrome definition.

Reported Syndromes

The data presented in this section reflects reports submitted to the Epidemiology and Surveillance Unit through Bermuda's sentinel surveillance system.

Syndromes reported in EWs 9-12 included Fever and Rash (chickenpox), Fever and Respiratory (adenovirus, chlamydia pneumoniae, common cold, coronavirus "seasonal", COVID-19, human metapneumovirus, influenza, mycoplasma pneumoniae, parainfluenza, RSV, strep throat) Gastroenteritis (c.difficile, campylobacter, e.coli, norovirus, plesiomonas, salmonella, shigella).

Alert levels are used to identify potential public health risks. A risk assessment will determine the need for any public health action.

During EWs 9-12, there was an alert for Gastroenteritis

Epidemiological Week 9

Syndrome	# of Reported Cases	5-Yr Average*	Medium Alert Threshold**	High Alert Threshold***	Alert Level
Acute Flaccid Paralysis	0	0	0	0	LOW
Fever and Haemorrhagic Symptoms	0	0	0	0	LOW
Fever and Neurological Symptoms	0	0	0	1	LOW
Fever and Rash	1	1	2	4	LOW
Fever and Respiratory Symptoms (under 5 years)	6	6	13	25	LOW
Fever and Respiratory Symptoms (5 years and older)	44	46	85	165	LOW
Gastroenteritis (under 5 years)	0	1	2	5	LOW
Gastroenteritis (5 years and older)	2	3	5	9	LOW
Undifferentiated Fever (under 5 years)	0	0	0	0	LOW
Undifferentiated Fever (5 years and older)	0	0	0	0	LOW
% of sentinel sites reporting					92.86%

Epidemiological Week 10

Syndrome	# of Reported Cases	5-Yr Average*	Medium Alert Threshold**	High Alert Threshold***	Alert Level
Acute Flaccid Paralysis	0	0	0	0	LOW
Fever and Haemorrhagic Symptoms	0	0	0	0	LOW
Fever and Neurological Symptoms	0	0	0	1	LOW
Fever and Rash	1	1	2	4	LOW
Fever and Respiratory Symptoms (under 5 years)	2	6	12	25	LOW
Fever and Respiratory Symptoms (5 years and older)	42	45	84	160	LOW
Gastroenteritis (under 5 years)	1	1	2	5	LOW
Gastroenteritis (5 years and older)	6	3	5	9	MEDIUM
Undifferentiated Fever (under 5 years)	0	0	0	0	LOW
Undifferentiated Fever (5 years and older)	0	0	0	0	LOW
% of sentinel sites reporting					92.86%

Epidemiological Week 11

Syndrome	# of Reported Cases	5-Yr Average*	Medium Alert Threshold**	High Alert Threshold***	Alert Level
Acute Flaccid Paralysis	0	0	0	0	LOW
Fever and Haemorrhagic Symptoms	0	0	0	0	LOW
Fever and Neurological Symptoms	0	0	0	1	LOW
Fever and Rash	0	0	1	3	LOW
Fever and Respiratory Symptoms (under 5 years)	5	6	10	18	LOW
Fever and Respiratory Symptoms (5 years and older)	59	42	78	150	LOW
Gastroenteritis (under 5 years)	1	1	2	5	LOW
Gastroenteritis (5 years and older)	4	3	5	8	LOW
Undifferentiated Fever (under 5 years)	0	0	0	0	LOW
Undifferentiated Fever (5 years and older)	0	0	0	0	LOW
% of sentinel sites reporting					92.86%

Epidemiological Week 12

Syndrome	# of Reported Cases	5-Yr Average*	Medium Alert Threshold**	High Alert Threshold***	Alert Level
Acute Flaccid Paralysis	0	0	0	0	LOW
Fever and Haemorrhagic Symptoms	0	0	0	0	LOW
Fever and Neurological Symptoms	0	0	0	0	LOW
Fever and Rash	1	0	1	3	LOW
Fever and Respiratory Symptoms (under 5 years)	1	6	10	18	LOW
Fever and Respiratory Symptoms (5 years and older)	41	36	69	134	LOW
Gastroenteritis (under 5 years)	0	1	2	4	LOW
Gastroenteritis (5 years and older)	2	3	4	8	LOW
Undifferentiated Fever (under 5 years)	0	0	0	0	LOW
Undifferentiated Fever (5 years and older)	0	0	0	0	LOW
% of sentinel sites reporting					92.86%

4-Week Summary: Epidemiological Weeks 9-12

Syndrome	# of Reported Cases	5-Yr Average	Medium Alert Threshold**	High Alert Threshold***	Alert Level
Acute Flaccid Paralysis	0	0	0	0	LOW
Fever and Haemorrhagic Symptoms	0	0	0	0	LOW
Fever and Neurological Symptoms	0	0	1	2	LOW
Fever and Rash	3	2	6	14	LOW
Fever and Respiratory Symptoms (under 5 years)	14	24	45	86	LOW
Fever and Respiratory Symptoms (5 years and older)	186	169	316	609	LOW
Gastroenteritis (under 5 years)	2	4	8	18	LOW
Gastroenteritis (5 years and older)	14	11	18	34	LOW
Undifferentiated Fever (under 5 years)	0	0	0	0	LOW
Undifferentiated Fever (5 years and older)	0	0	0	0	LOW

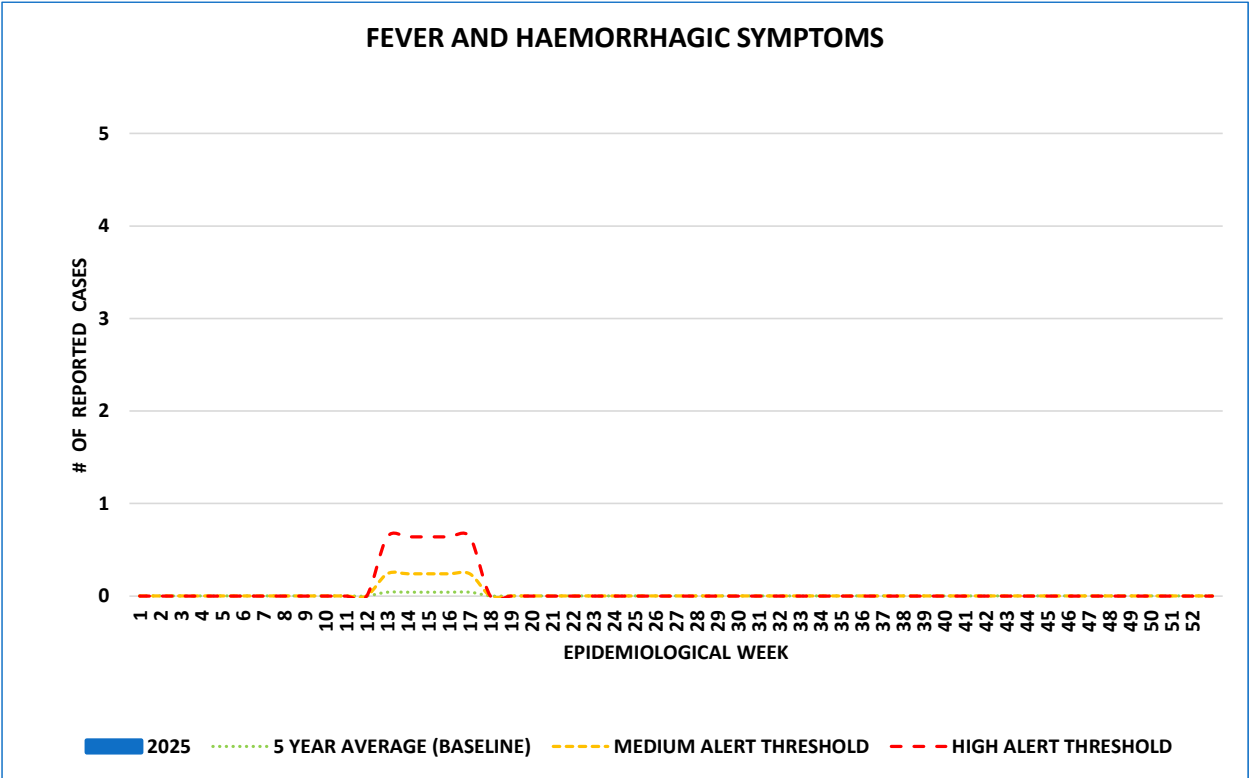
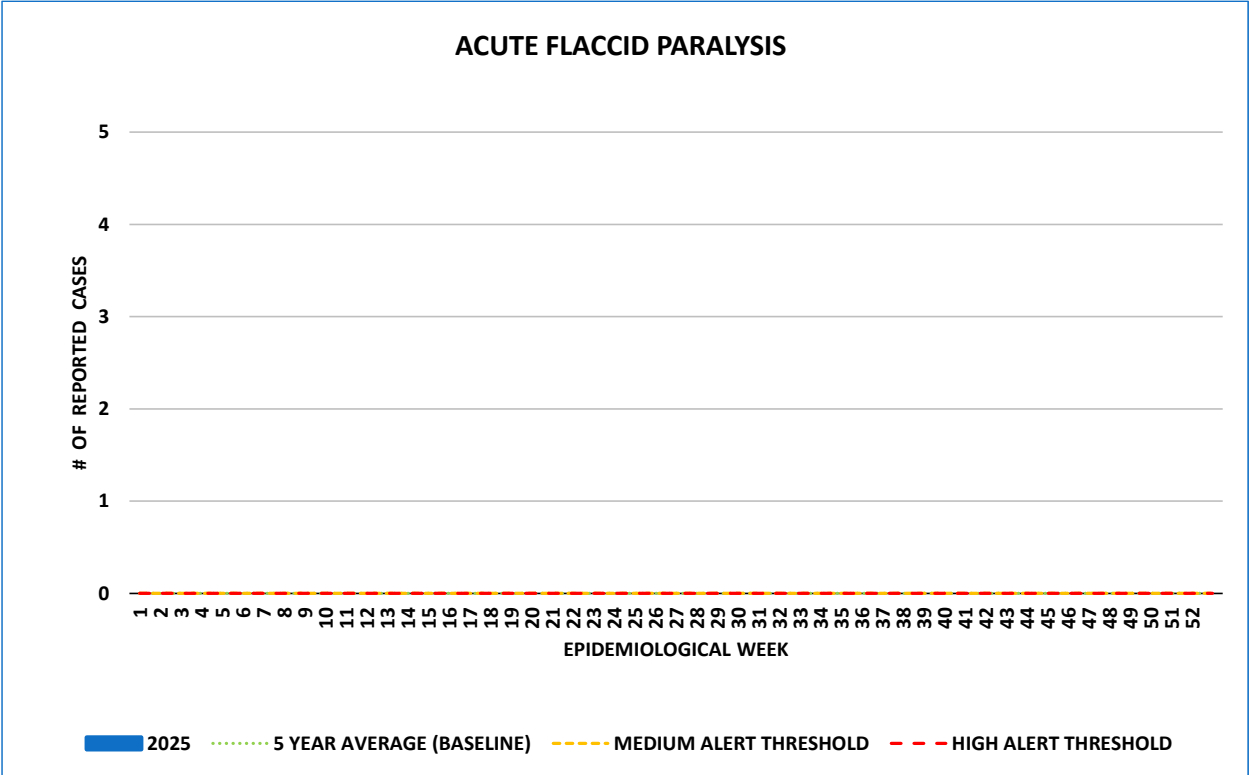
Cumulative Summary: Epidemiological Weeks 1-12

Syndrome	# of Reported Cases	5-Yr Average	Medium Alert Threshold**	High Alert Threshold***	Alert Level
Acute Flaccid Paralysis	0	0	0	0	LOW
Fever and Haemorrhagic Symptoms	0	0	0	0	LOW
Fever and Neurological Symptoms	1	0	2	5	LOW
Fever and Rash	14	8	21	47	LOW
Fever and Respiratory Symptoms (under 5 years)	72	62	119	231	LOW
Fever and Respiratory Symptoms (5 years and older)	502	554	982	1839	LOW
Gastroenteritis (under 5 years)	3	9	23	52	LOW
Gastroenteritis (5 years and older)	42	37	66	124	LOW
Undifferentiated Fever (under 5 years)	0	0	1	3	LOW
Undifferentiated Fever (5 years and older)	0	0	1	3	LOW

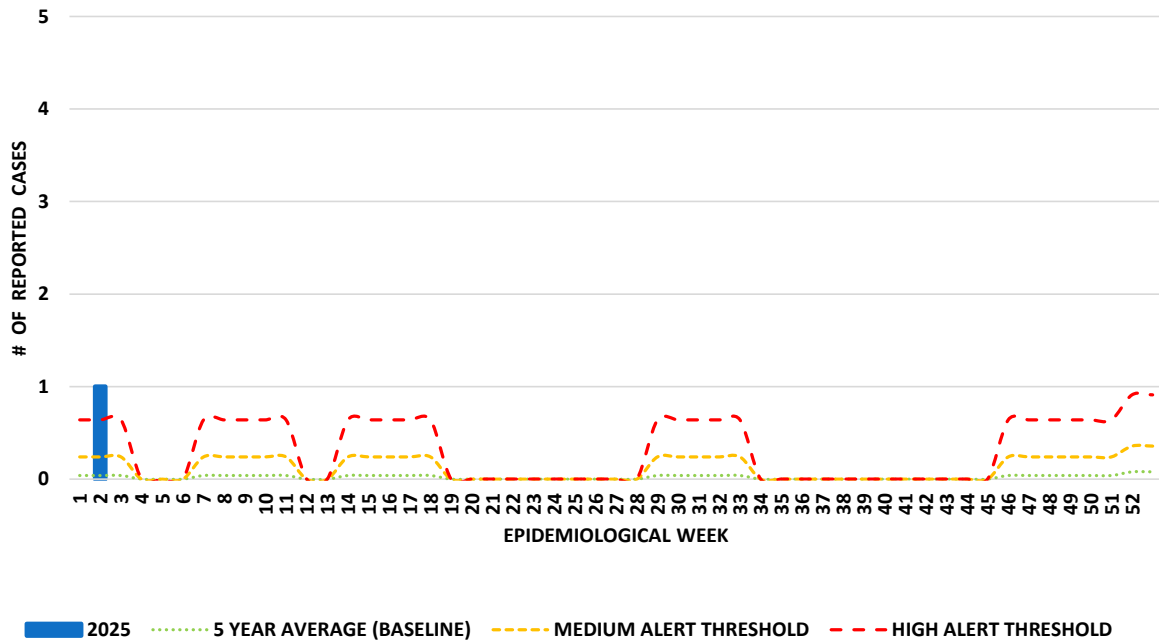
*5-Yr Average calculated by summing the incidence counts for the current week, the 2 weeks preceding the current week, and the 2 weeks following the current week, for a total of 5 preceding years.

** Medium Alert Threshold is set at 1 standard deviation above 5-yr average

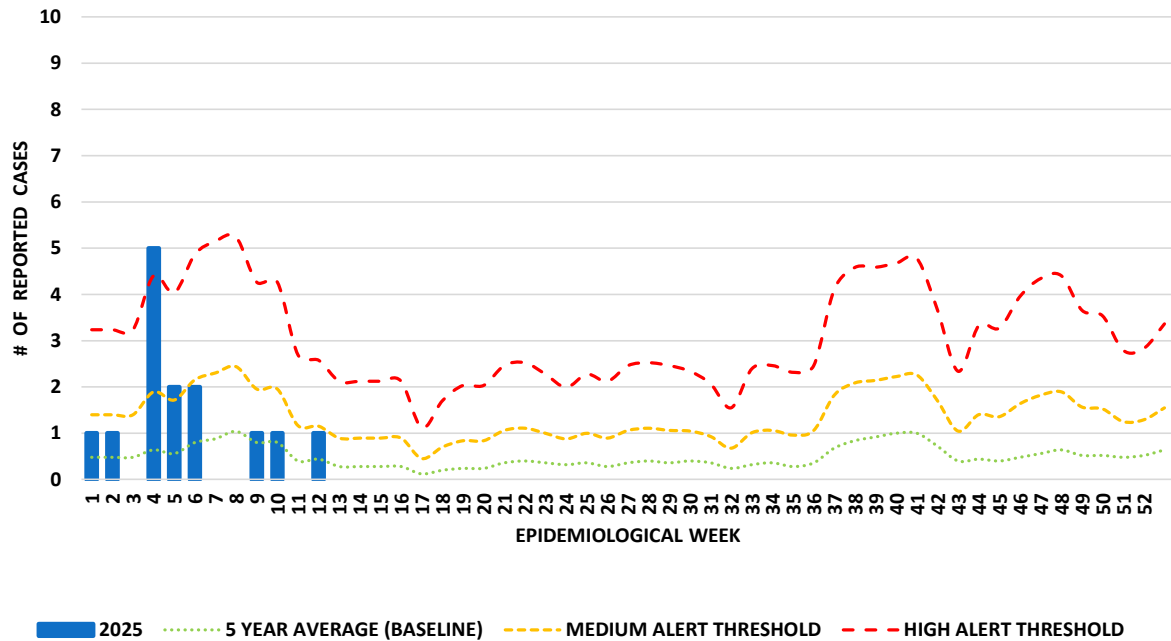
*** High Alert Threshold is set at 3 standard deviations above 5-year average



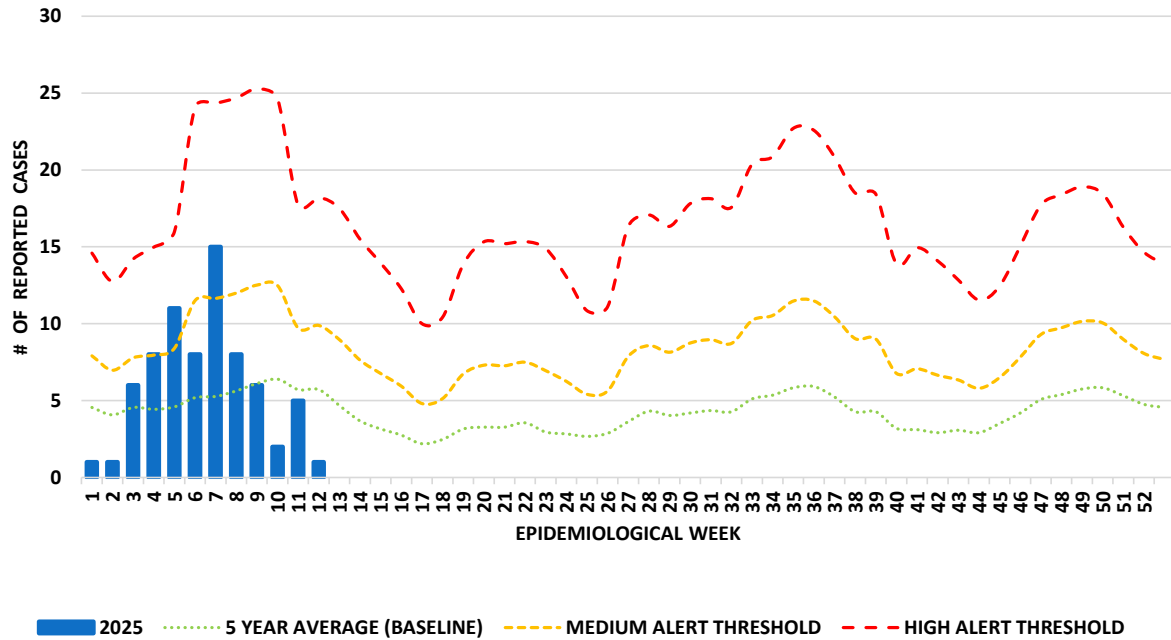
FEVER AND NEUROLOGICAL SYMPTOMS



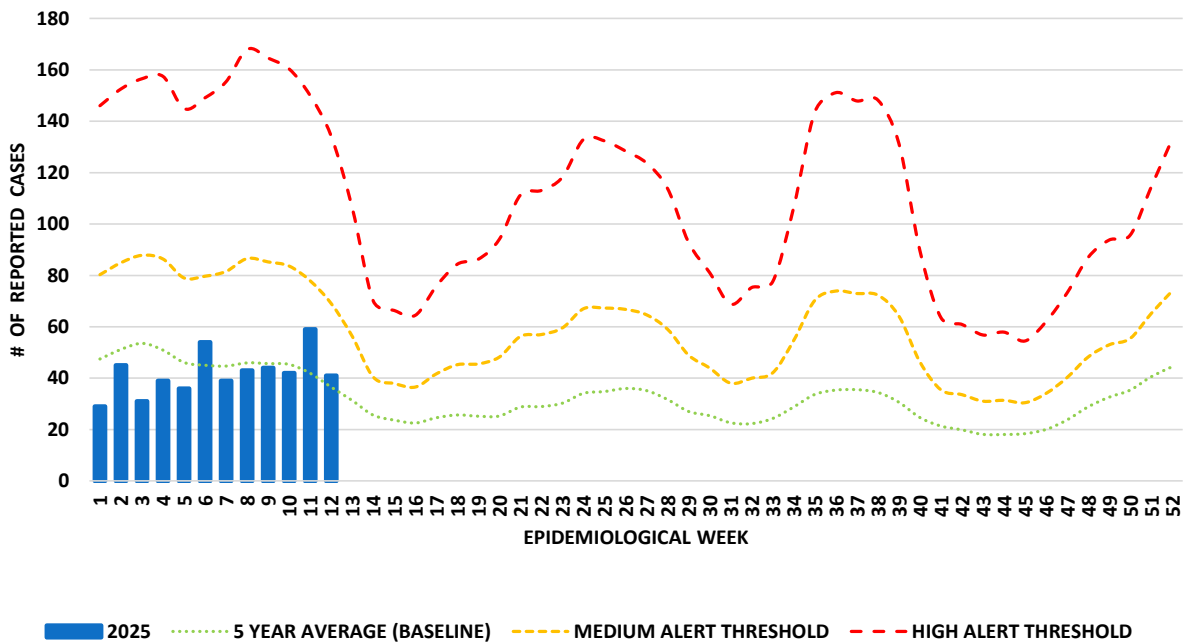
FEVER AND RASH



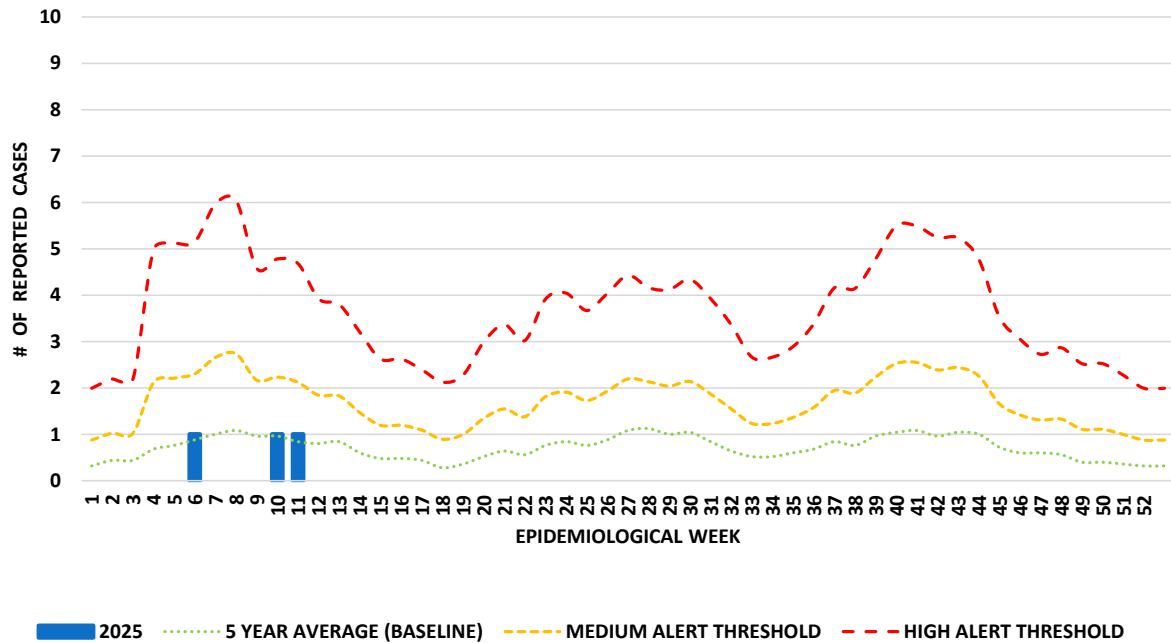
FEVER AND RESPIRATORY SYMPTOMS IN PERSONS AGED UNDER 5 YEARS



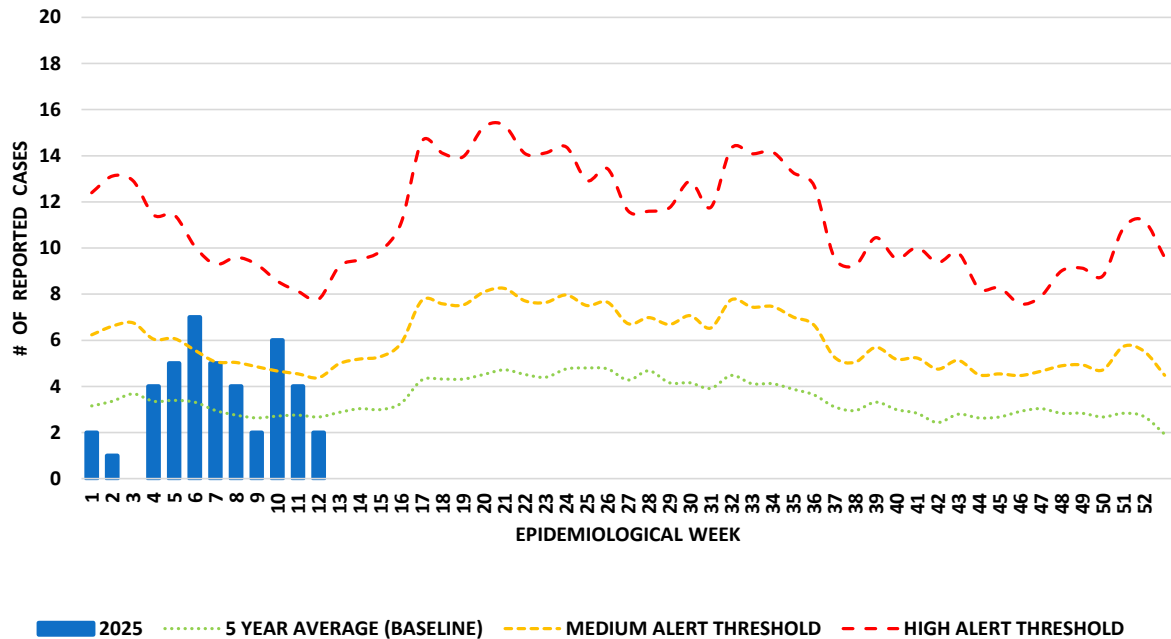
FEVER AND RESPIRATORY SYMPTOMS IN PERSONS AGED 5 YEARS AND OLDER



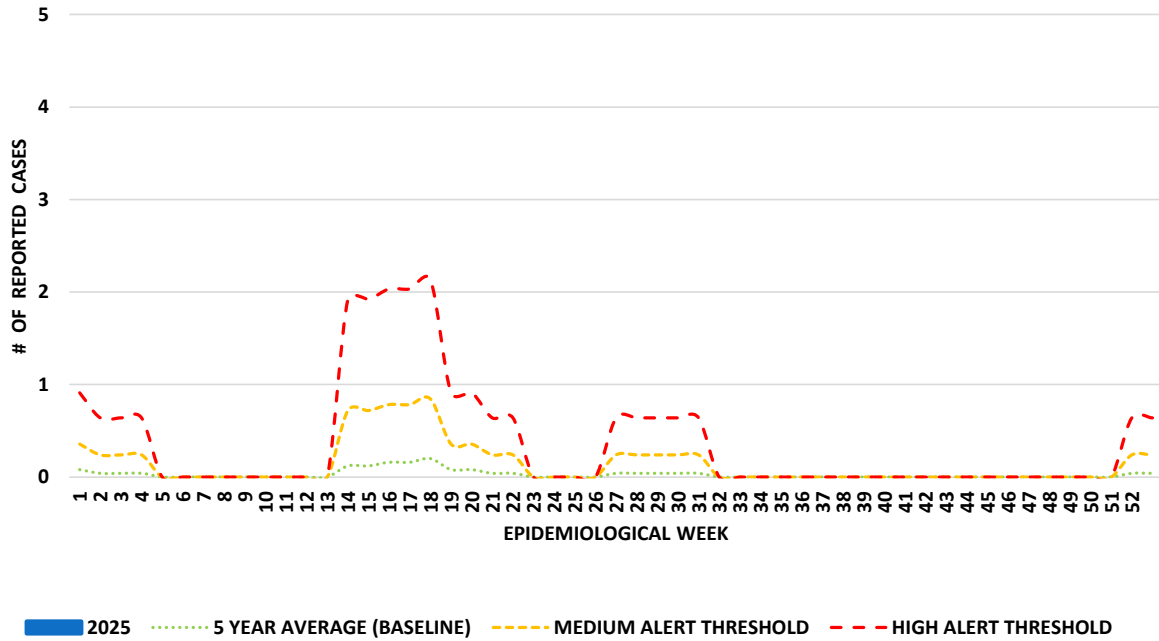
GASTROENTERITIS IN PERSONS AGED UNDER 5 YEARS



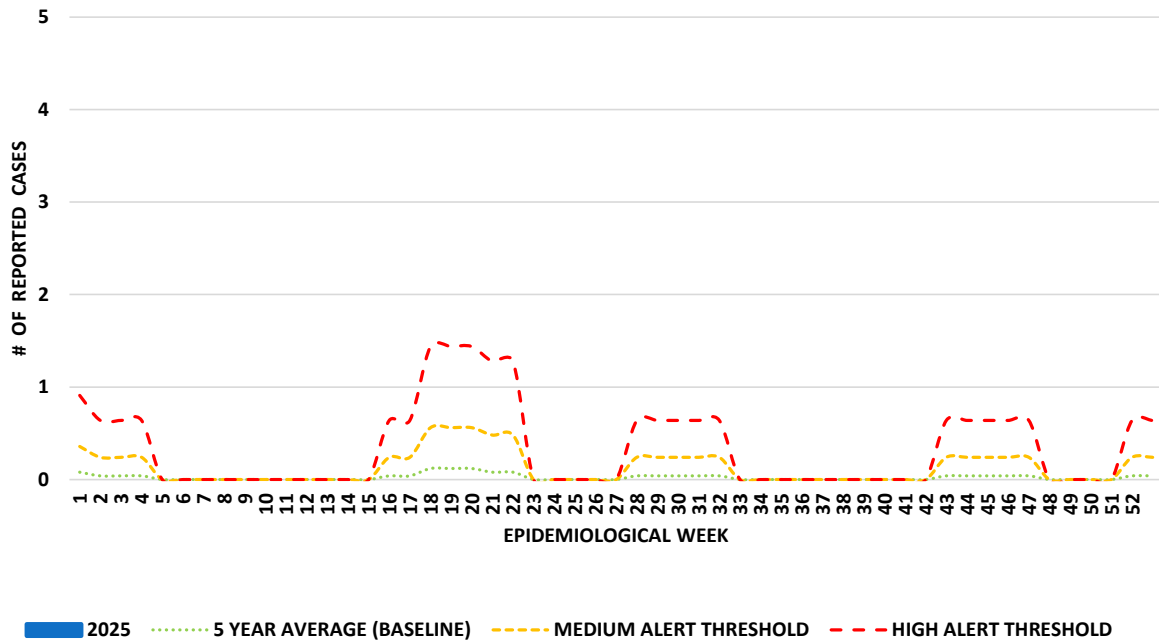
GASTROENTERITIS IN PERSONS AGED 5 YEARS AND OLDER



UNDIFFERENTIATED FEVER IN PERSONS AGED UNDER 5 YEARS



UNDIFFERENTIATED FEVER IN PERSONS AGED 5 YEARS AND OLDER



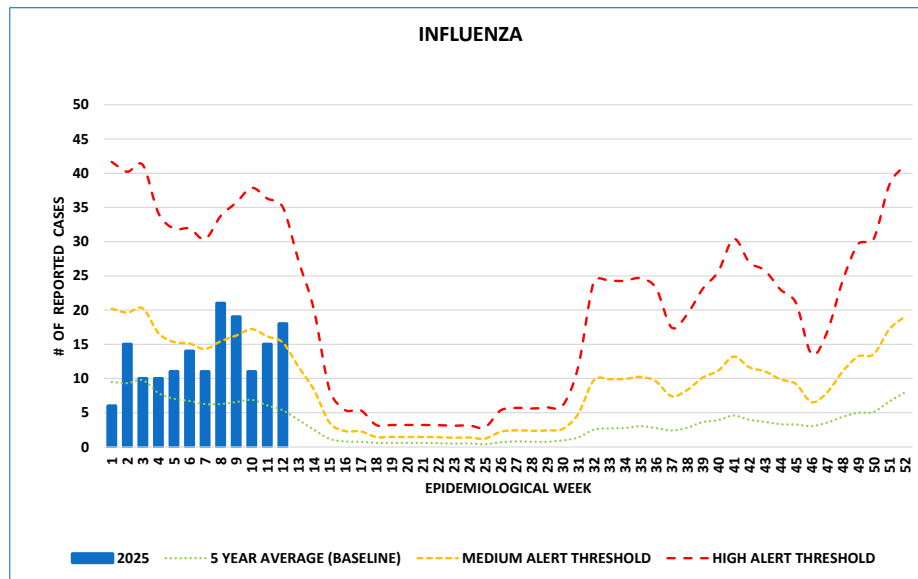
Conditions of Interest: Influenza, COVID-19, and Severe Acute Respiratory Infection (SARI)

Surveillance case definitions included here are as follows:

Influenza:

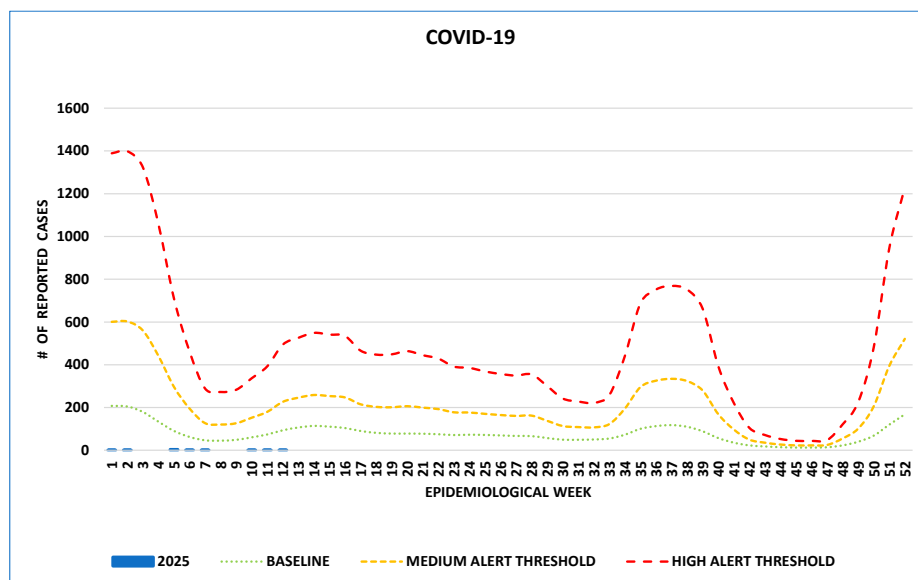
Clinical (or suspect): A person with fever, headache, myalgia, and cough

Laboratory confirmed: A clinical or suspect case with positive laboratory findings



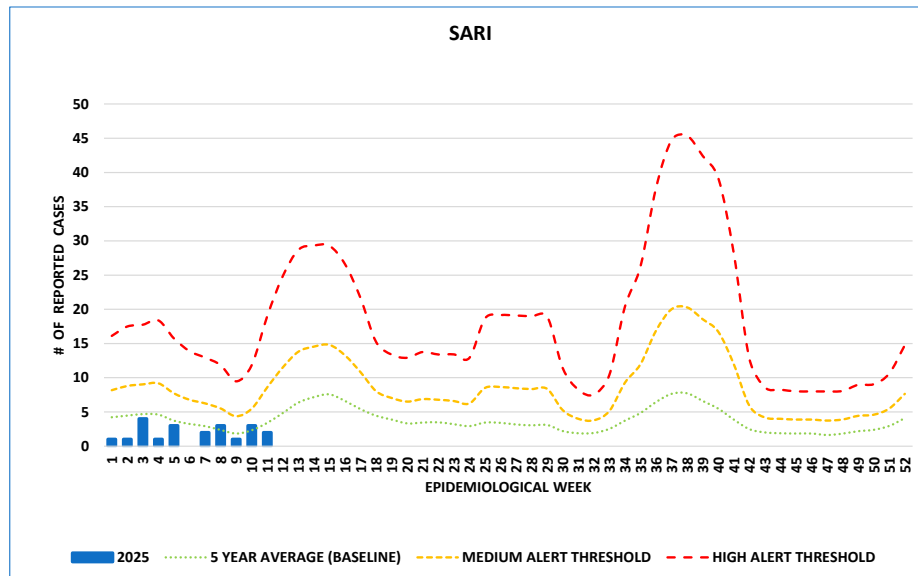
COVID-19:

A person with laboratory or antigen test confirmation of COVID-19 infection, irrespective of clinical signs and symptoms



Severe Acute Respiratory Infection (SARI):

An acute respiratory infection with history of fever or measured fever of $\geq 38^{\circ}\text{C}$ and cough, with onset within the last 10 days, and requiring hospitalization.



Summary

Influenza activity remained elevated during EWs 9 to 12, ranging from 11 cases in EW 10 to a peak of 19 cases in EW 9, followed by 15 and 18 cases in EWs 11 and 12, respectively. These consistently high numbers reflect ongoing seasonal transmission.

COVID-19 cases were minimal, with zero cases reported in EW 9, and one case per week in EWs 10 to 12, showing stable but low-level activity.

SARI (Severe Acute Respiratory Infection) cases peaked at 3 in EW 10, declined to 2 in EW 11, and fell to zero by EW 12. This fluctuation suggests localized or isolated severe cases without signs of escalation.

Routine Communicable Disease Surveillance (EWs 9-12 2025)

An observed increase in confirmed diseases may not necessarily indicate a true increase in disease incidence. Such increases may result from factors like enhanced diagnostic capacity, improved access to confirmatory testing, or heightened awareness of circulating diseases—both locally and globally.

In instances where the relative level is above normal (indicated in red), further epidemiological investigation may be conducted to determine if there are clusters of illness or outbreaks occurring. This is dependent on many factors, including the severity of the illness, the potential for spread, and the availability of control measures.

DISEASES/PATHOGENS	Cumulative Total (Lab Conf. cases)	
	Curr. Yr	Last Yr.
Diseases Reportable under the International Health Regulations		
Cholera	0	0
Human Influenza (new sub-type)	0	0
Pneumonic Plague	0	0
Poliomyelitis	0	0
Severe Acute Respiratory Syndrome (SARS)	0	0
Yellow Fever	0	0
Air Borne Diseases		
Adenoviruses	12	53
COVID-19	9	126
Human Metapneumovirus [hMPV]	20	10
Influenza	162	127
Respiratory Syncytial Virus [RSV]	81	28
Tuberculosis - Extrapulmonary	0	0
Tuberculosis - Pulmonary	1	0
Vaccine Preventable Diseases under the Caribbean Expanded Programme on Immunization		
Chicken Pox [Varicella] (clinically confirmed)	5	6
Diphtheria	0	0
Measles	0	0
Meningitis [due to <i>Haemophilus influenzae</i>]	0	0
Meningitis [due to <i>Streptococcus pneumoniae</i>]	0	0
Meningococcal infection [due to <i>Neisseria meningitidis</i>]	0	0
Mumps	0	0
Pertussis [Whooping Cough]	0	1
Pneumonia [due to <i>Haemophilus influenzae</i>]	0	0
Pneumonia [due to <i>Streptococcus pneumoniae</i>]	0	0
Rotavirus	1	0
Rubella [Congenital German Measles]	0	0
Rubella [German Measles]	0	0
Tetanus [excluding Neonatal]	0	0
Tetanus Neonatorum	0	0
Vector Borne Diseases		
Chagas Disease	0	0
Chikungunya	0	0
Dengue Fever	0	0
Dengue Haemorrhagic Fever/Shock Syndrome	0	0
Leptospirosis	0	0
Malaria	0	0
Zika	0	0
Food and Water Borne Pathogens		
<i>Campylobacter</i>	2	7
Ciguatera Poisoning (clinically confirmed)	0	0
<i>Cryptosporidium</i>	0	2
<i>E. Coli</i> (pathogenic)	4	13
<i>Giardia</i>	0	1
Hepatitis A	0	0
Listeria	0	0
Norovirus	4	5
Salmonella	2	11
Shigella	1	1
Staphylococcus (pathogenic)	0	0
Toxoplasma	0	0
Typhoid and Paratyphoid	0	0
Vibrio (excluding Cholera)	0	0
Other Diseases		
Viral Encephalitis/Meningitis	0	0
Hepatitis B	1	0
Hepatitis C	2	3
Leprosy (Hansens Disease)	0	0
Meningitis/Encephalitis (not specified)	1	0
Rabies (in Humans)	0	0
Specific Diseases under Country Surveillance		
Chlamydia	55	67
Gonorrhoea	4	4
Herpes	3	13
Syphilis	0	1

EPIDEMIOLOGICAL WEEKS 2025

WEEK	FROM	TO
1	29-Dec-24	4-Jan-25
2	5-Jan-25	11-Jan-2025
3	12-Jan-25	18-Jan-25
4	19-Jan-25	25-Jan-25
5	26-Jan-25	01-Feb-25
6	02-Feb-25	08-Feb-25
7	09-Feb-25	15-Feb-25
8	16-Feb-25	22-Feb-25
9	23-Feb-25	01-Mar-25
10	02-Mar-25	08-Mar-25
11	09-Mar-25	15-Mar-25
12	16-Mar-25	22-Mar-25
13	23-Mar-25	29-Mar-25
14	30-Mar-25	05-Apr-25
15	06-Apr-25	12-Apr-25
16	13-Apr-25	19-Apr-25
17	20-Apr-25	26-Apr-25
18	27-Apr-25	03-May-25
19	04-May-25	10-May-25
20	11-May-25	17-May-25
21	18-May-25	24-May-25
22	25-May-25	31-May-25
23	01-Jun-25	07-Jun-25
24	08-Jun-25	14-Jun-25
25	15-Jun-25	21-Jun-25
26	22-Jun-25	28-Jun-25

WEEK	FROM	TO
27	29-Jun-25	05-Jul-25
28	06-Jul-25	12-Jul-25
29	13-Jul-25	19-Jul-25
30	20-Jul-25	26-Jul-25
31	27-Jul-25	02-Aug-25
32	03-Aug-25	09-Aug-25
33	10-Aug-25	16-Aug-25
34	17-Aug-25	23-Aug-25
35	24-Aug-25	30-Aug-25
36	31-Aug-25	06-Sep-25
37	07-Sep-25	13-Sep-25
38	14-Sep-25	20-Sep-25
39	21-Sep-25	27-Sep-25
40	28-Sep-25	04-Oct-25
41	05-Oct-25	11-Oct-25
42	12-Oct-25	18-Oct-25
43	19-Oct-25	25-Oct-25
44	26-Oct-25	01-Nov-25
45	02-Nov-25	08-Nov-25
46	09-Nov-25	15-Nov-25
47	16-Nov-25	22-Nov-25
48	23-Nov-25	29-Nov-25
49	30-Nov-25	06-Dec-25
50	07-Dec-25	13-Dec-25
51	14-Dec-25	20-Dec-25
52	21-Dec-25	27-Dec-25