



Government of Samoa
MINISTRY OF HEALTH

National Health Surveillance & International Health Surveillance Division

Syndromic Surveillance Report

Date of report: 16th January 2023

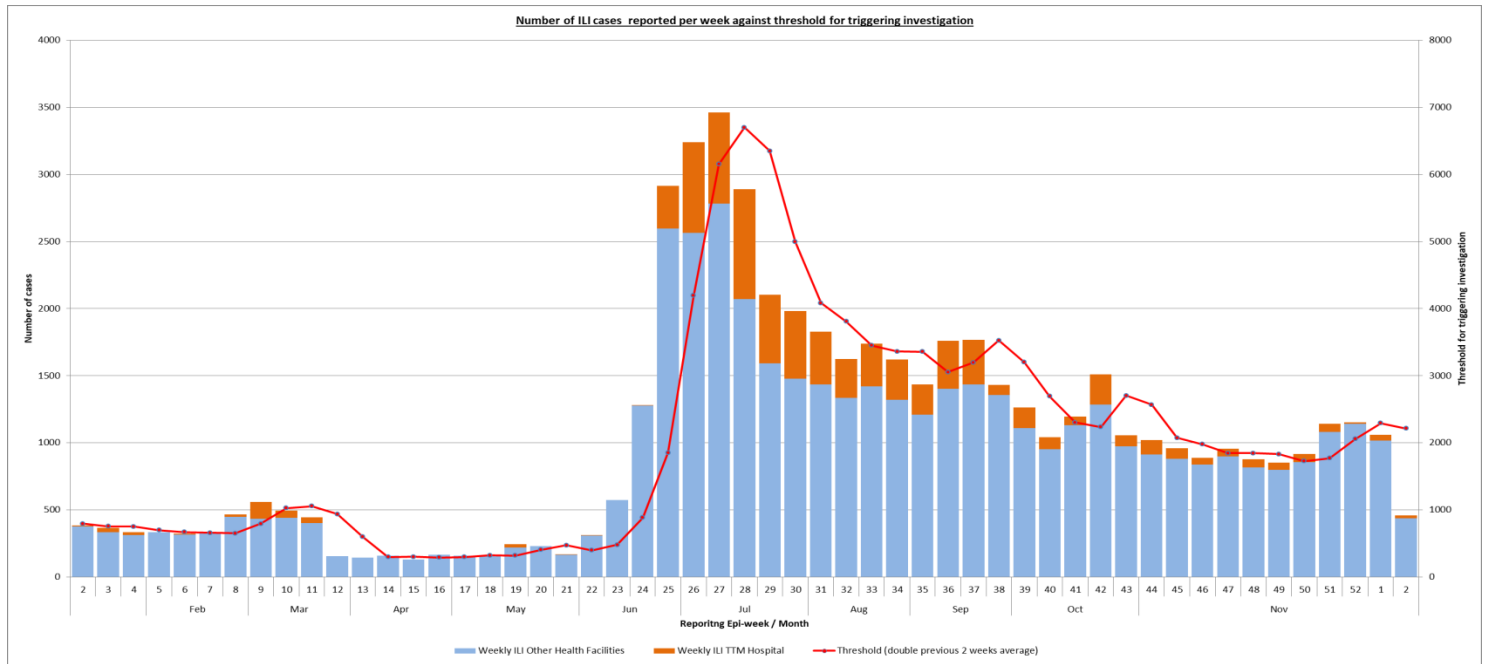
New information

CHALLENGES:
<ul style="list-style-type: none"> • Due to delay in reporting, the syndromes exceeding their respective thresholds are identified late hence the delay in appropriate actions taken • For Dengue like illness, prolonged fever (clinical typhoid), and acute fever & rash cases, specimens are not collected for confirmatory testing. • Allocated staff is responsible for reporting. In their absence, the other staff members don't know how the surveillance system works or how to report.
RECOMMENDATIONS:
<ul style="list-style-type: none"> • Encourage timely reporting • Encourage understanding the case definitions and report as it seem fit • Encourage collecting samples for confirmatory testing • Setup a system that is convenient for reporting. For e.g, calling in or reporting on a group chat on viber or messenger • Ensure all the staff are aware of the syndromic surveillance system and make it everyone's responsibility to report

1. INFLUENZA LIKE ILLNESS

Case Definition: An acute respiratory infection with a history of fever or measured fever of $\geq 38\text{ C}^\circ$ and cough, with onset within the last 10 days		
Alert threshold: Exceeding double the average in the previous 2 weeks		
Epi-weeks	Epi-week 1 (2 nd – 8 th Jan 2023)	Epi-week 2 (9 th – 15 th Jan 2023)
Total cases reported	1061	460
Moving Average	1,147	1,108
Threshold*	2,294	2,215
<ul style="list-style-type: none"> • ILI cases reported as depicted in figure 1, is below the alert threshold. However, some health facilities have yet to report. • We continue to observe a decrease in the number of COVID-19 testing and Influenza test requests received by the hospital laboratory. • It is encouraged that samples are collected for verification and confirmation of the causal agent. The laboratory division is also advised to prioritize the overseas referral of these samples to ensure timely response. 		

Figure 1. Number of ILI cases reported from all Health Facilities



2. SEVERE ACUTE RESPIRATORY INFECTION

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

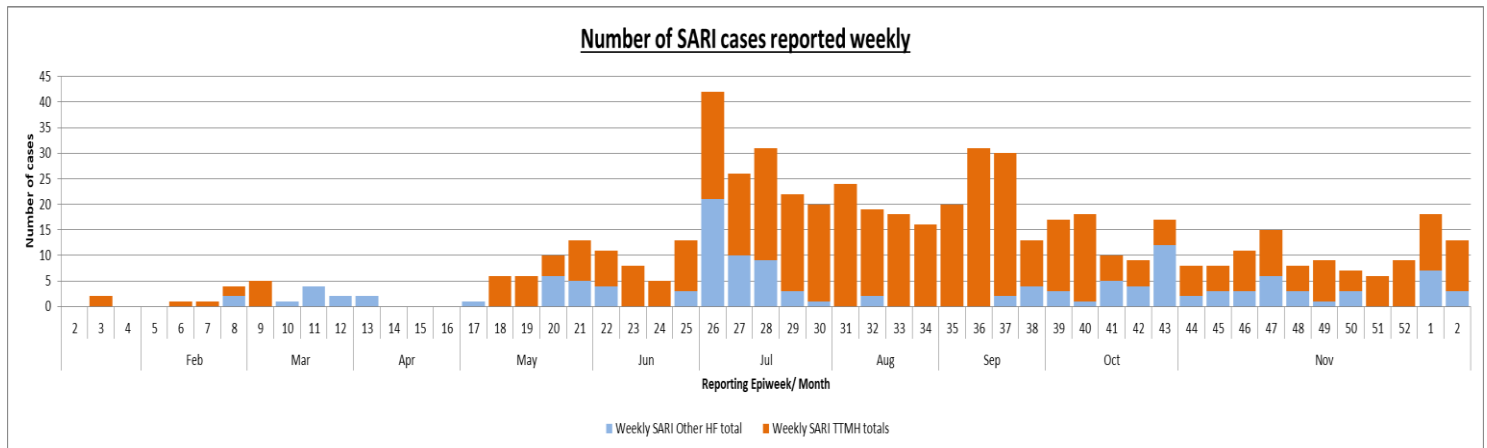
Alert threshold: 2 linked cases

Epiweek	Epi-week 1 (2 nd – 8 th Jan 2023)	Epi-week 2 (9 th – 15 th Jan 2023)
Total cases reported	18	13
Moving Average	7.5	13.5
Threshold*	2 linked cases	2 linked cases

- Epi week 2, SARI cases were reported from TTM (10) and Safotu (3) hospitals.
- No known links identified from the case investigations.
- Of the cases investigated, diagnosis included severe/unresolved pneumonia and bronchiolitis.
- All cases are required to be screened for COVID-19 (current or previous) infection and vaccination status.

Note: The reporting of SARI cases has either increased or strengthened due to increased understanding of the case definitions

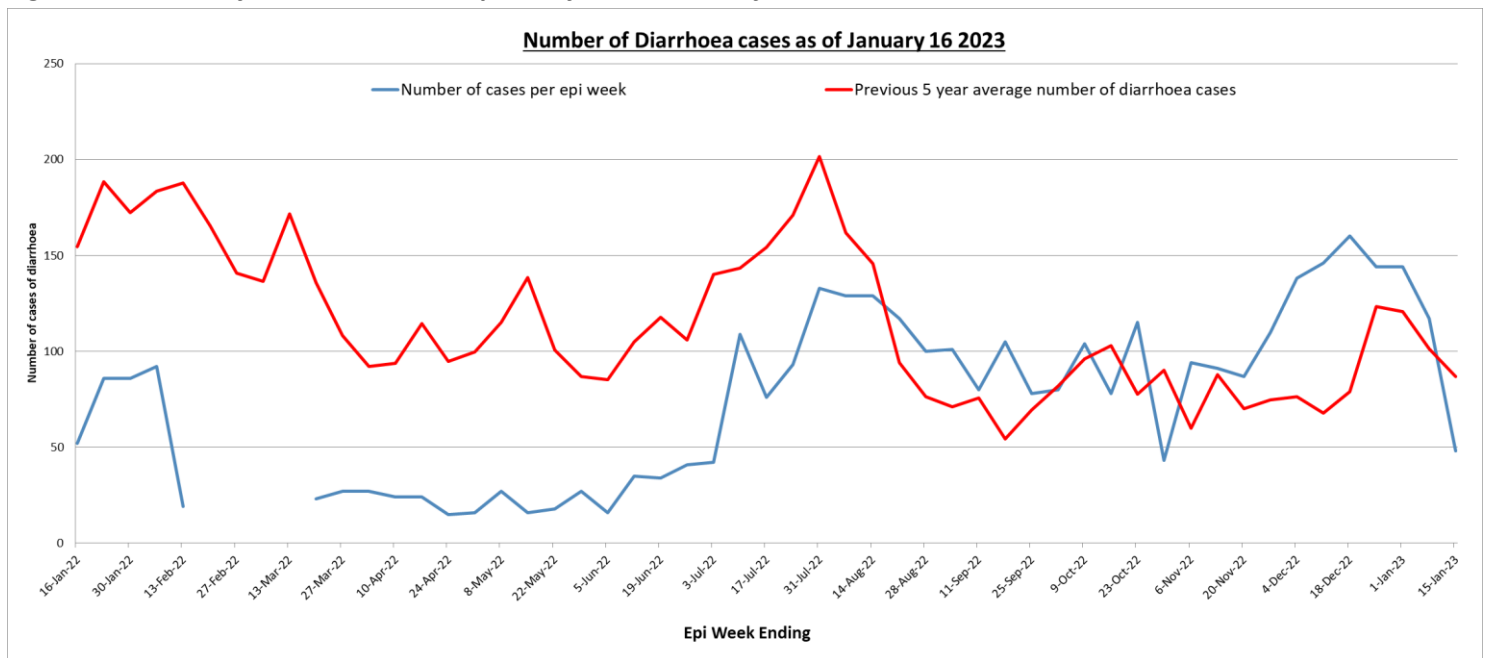
Figure 2. Number of SARI cases reported from all health facilities



3. DIARRHOEA

Case Definition: Three (3) or more loose or watery or bloody stools in 24hrs		
Alert threshold: more than twice the average of the last two weeks count		
Epi-weeks	Epi-week 1 (2 nd – 8 th Jan 2023)	Epi-week 2 (9 th – 15 th Jan 2023)
Total cases reported	117	48
Moving Average	144	130.5
Threshold*	288	261
<ul style="list-style-type: none"> As per Figure 3 below, cases reported is below the threshold. However, there is a delay of reporting from some health facilities. It is encouraged that stool samples are collected and sent to the laboratory for testing. No clusters of diarrheal diseases have been reported in previous 2 weeks. 		

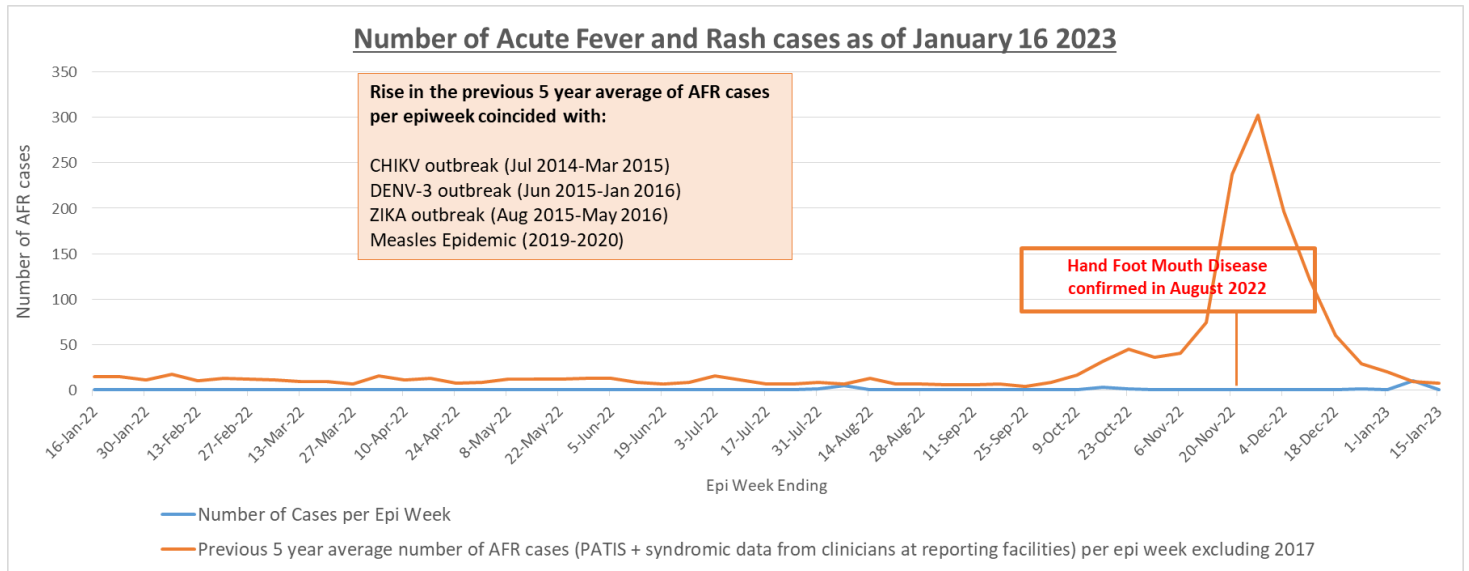
Figure 3. Number of Diarrhoea cases reported from all health facilities



4. ACUTE FEVER AND RASH

Case Definition: Sudden onset of fever (>38°C) AND acute non-vesicular or non-blistering rash		
Alert threshold: two or more cases that temporally and epidemiologically linked		
Epi-weeks	Epi-week 1 (2 nd – 8 th Jan 2023)	Epi-week 2 (9 th – 15 th Jan 2023)
Total cases reported	8	0
Moving Average	1.5	4
Threshold*	≥ 2 linked cases	≥ 2 linked cases
<ul style="list-style-type: none"> Epi-week 2, no AFR cases were reported in. The result of the blood samples sent overseas of the suspected measles case reported in epi-week 51 is still pending. 		

Figure 4. Number of AFR cases reported from all health facilities



5. PROLONGED FEVER

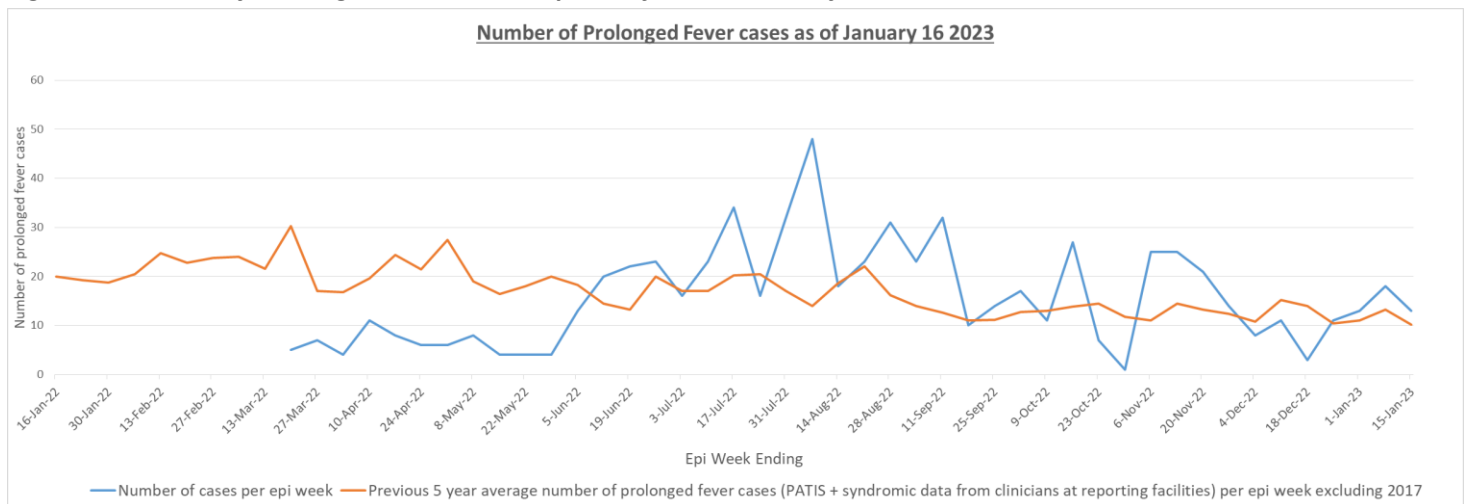
Case Definition: Fever $\geq 38^{\circ}\text{C}$ lasting 3 or more days

Alert threshold: **twice the average number of cases seen in the previous two weeks**

Epi-weeks	Epi-week 1 (2 nd – 8 th Jan 2023)	Epi-week 2 (9 th – 15 th Jan 2023)
Total cases reported	18	13
Moving Average	12	15.5
Threshold*	24	31

- Epi-week 2, prolonged fever cases were reported from Lalomanu (4), MTII (5) and Sataua (4) hospitals.
- Patient details have been given to typhoid team for their investigations.

Figure 5. Number of Prolonged Fever cases reported from all health facilities



6. DENGUE-LIKE ILLNESS

Case Definition: Fever ($\geq 38^{\circ}\text{C}$) for at least 2 days, PLUS at least 2 of the following:

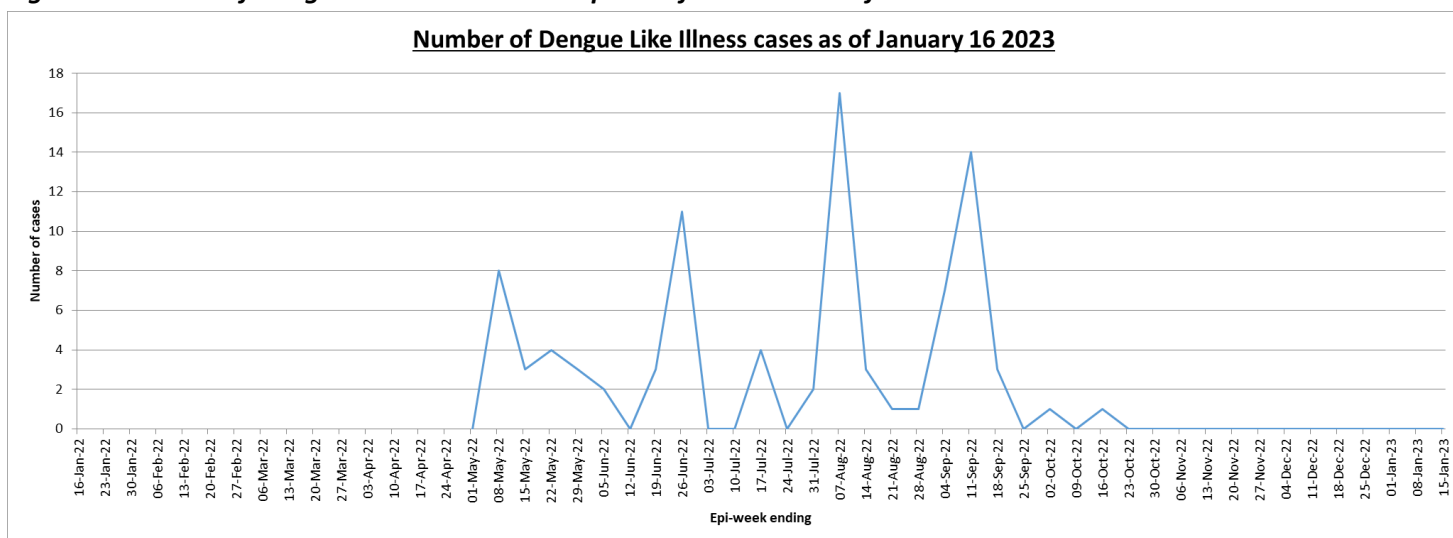
- Nausea or vomiting
- Muscle or joint pain
- Severe headache or pain behind the eyes
- Rash
- bleeding

Alert threshold: twice the average number of cases seen in the previous two weeks

Epi-weeks	Epi-week 1 (2 nd – 8 th Jan 2023)	Epi-week 2 (9 th – 15 th Jan 2023)
Total cases reported	0	0
Moving Average	0	0
Threshold*	0	0

- No DLI cases have been notified since epi-week 41 (epi-week ending 16th October 2022).
- Trend remains below threshold for triggering an investigation.

Figure 6. Number of Dengue-Like Illness cases reported from all health facilities



Appendix 1. OUTSTANDING REPORTING

Key:	
Reported	
No report	

Outstanding Reports for epi-week 1							
Health Facil	02-Jan-23	03-Jan-23	04-Jan-23	05-Jan-23	06-Jan-23	07-Jan-23	08-Jan-23
TTMH							
Lufilufi DH							
Lalomanu DH							
Poutasi DH							
Saanapu HC							
Leulumoega DH							
<i>Faleolo HC</i>	Not a reporting site						
MT2H							
Foailalo DH							
Sataua DH							
Safotu DH							
Satupaitea DH							

Outstanding Reports for epi-week 2							
Health Facil	09-Jan-23	10-Jan-23	11-Jan-23	12-Jan-23	13-Jan-23	14-Jan-23	15-Jan-23
TTMH							
Lufilufi DH							
Lalomanu DH							
Poutasi DH							
Saanapu HC							
Leulumoega DH							
<i>Faleolo HC</i>	Not a reporting site						
MT2H							
Foailalo DH							
Sataua DH							
Safotu DH							
Satupaitea DH							