



Ministry of Health Commonwealth Heads of Government Daily Situation Report No.7



Date of report: 26th October, 2024
Email: surveillance@health.gov.ws
Tel: 66506/66507

Reporting period: 12:00AM 25th October-12:00AM 26th October
Prepared by: Health Security & Disease Surveillance Division
Distribution: **EXTERNAL**

INTRODUCTION

Under the Samoa Health Ordinance 1959, through the national communicable disease surveillance and control guideline, health professionals are required to report cases or clusters of notifiable diseases. The Health Security & Disease Surveillance Division coordinates surveillance and reporting on notifiable diseases. Enhanced surveillance measures, including multisource surveillance, strengthening laboratory testing and referral, monitoring at point of entry, 24/7 call center, social listening monitoring were established for CHOGM. The report was prepared as a collaborative effort of all health professionals supporting CHOGM and is a work in progress. We thank all contributors to communicable disease surveillance.

SITUATION SUMMARY

Sites

- 21 surveillance sites
 - National sentinel sites (14) began enhanced surveillance as of 7th Oct. Reporting is 12AM-12AM.
 - CHOGM clinics (7) resume surveillance monitoring beginning 20th Oct. Reporting is 6AM-6AM.
 - CHOGM mobile teams are available during meeting sessions.
- As of 25th Oct, 21/21 surveillance sites have reported including CHOGM clinics: 100% completeness.

Consultations

- Consultations reflect the number of patients seen at each health facility/CHOGM clinics.
- 992 consultations observed. 43% increase from the past 24 hours.
- Neonatal ICU (110%) is at max capacity. NICU increased bed capacity due to newborns requiring observation.

Syndromes/Conditions

- **General Rash:** 9 cases reported from TTMH Paeds, MTIIH, Leulumoega DH, Poutasi DH, Foailalo DH and Lufilufi HC. Cases are mostly chicken pox and allergies.
- **ILI:** 40% increase from the past 24 hours. Threshold exceeded at Satuipaita HC, Poutasi DH and Lalomanu DH.
- **SARI:** 1 case detected at TTMH Paeds.

Urgent Notifiable Conditions

- No suspected Mpox detected to date. Testing is available.

Table 1: Consultation per sentinel surveillance site

Sentinel Sites	Reported	No. of consultations
TTMH Paeds	✓	59
TTMH ED	✓	83
TTMH APCC	✓	175
Satupaitea HC	✓	36
Sataua DH	✓	44
Safotu DH	✓	44
Saanapu HC	✓	53
Poutasi DH	✓	38
MTIIH	✓	178
Lufilufi HC	✓	45
Leulumoega DH	✓	95
Lalomanu DH	✓	76
Foailalo DH	✓	28
Faleolo HC	✓	23
CHOGM Ward TTMH	✓	0
CHOGM Taumeasina	✓	0
CHOGM Standby team	✓	0
CHOGM Sinalei Reef Resort	✓	0
CHOGM Sheraton Mulifanua	✓	9
CHOGM Sheraton Bungalows	✓	1
CHOGM RTParadise	✓	0
CHOGM Mobile Team 2	✓	2
CHOGM Mobile Team 1	✓	3
CHOGM Amanaki	✓	0
Total		992

Table 2: Signals and events under monitoring

Date of Report	Disease/condition	Description	Risk assessed	Status
10/22/24	Hand Foot Mouth Disease	1 case: General rash suspected of HFMD from Foailalo DH: F/5yo with day 3 of multiple boils on face, hands and legs. RRT collected samples for referral to reference lab to confirm HFMD.	Low	Open
10/22/24	SARI	1 case: SARI case reported from Foailalo DH, F/8yrs with high-grade fever; whooping cough, mild sob and runny nose that started 1 week prior. Tested negative on COVID-19 RDT. RRT collected samples to run the respiratory panel and refer to reference lab to rule out pertussis.	Moderate	Open
10/23/24	Respiratory	As of 23rd October, 15 pneumonia cases reported from TTMH paeds. 4 confirmed RSV. RRT deployed to swab the pneumonia cases at TTMH. Lab results returned 2 new RSV positive cases with 1 also positive for Influenza Type A.	Moderate	Open
10/25/24	Bloody diarrhoea	1 case of bloody diarrhoea with vomiting. Female 1y/o suspected food poisoning. RRT deployed to investigate. Investigation conducted and case does not meet initial case definition. Samples have been collected to rule out other enteropathogens	Low	Closed

CLINICAL/MINISTRY OF HEALTH SAMOA EMERGENCY MEDICAL ASSISTANCE TEAM (SEMAT) UPDATE

CHOGM clinics are established to provide care for CHOGM participants at both hotels and designated meeting venues. The Samoa Emergency Medical Assistance Team (SEMAT) and New Zealand Medical Assistance Team (NZMAT) joint teams are deployed to CHOGM clinics as needed.

Hospital capacity surveillance has been established in an effort to strengthen resilience of healthcare system during CHOGM. Bed capacity data and presentations is collected to monitor occupancy and presentations of patients managed at TTM emergency department.

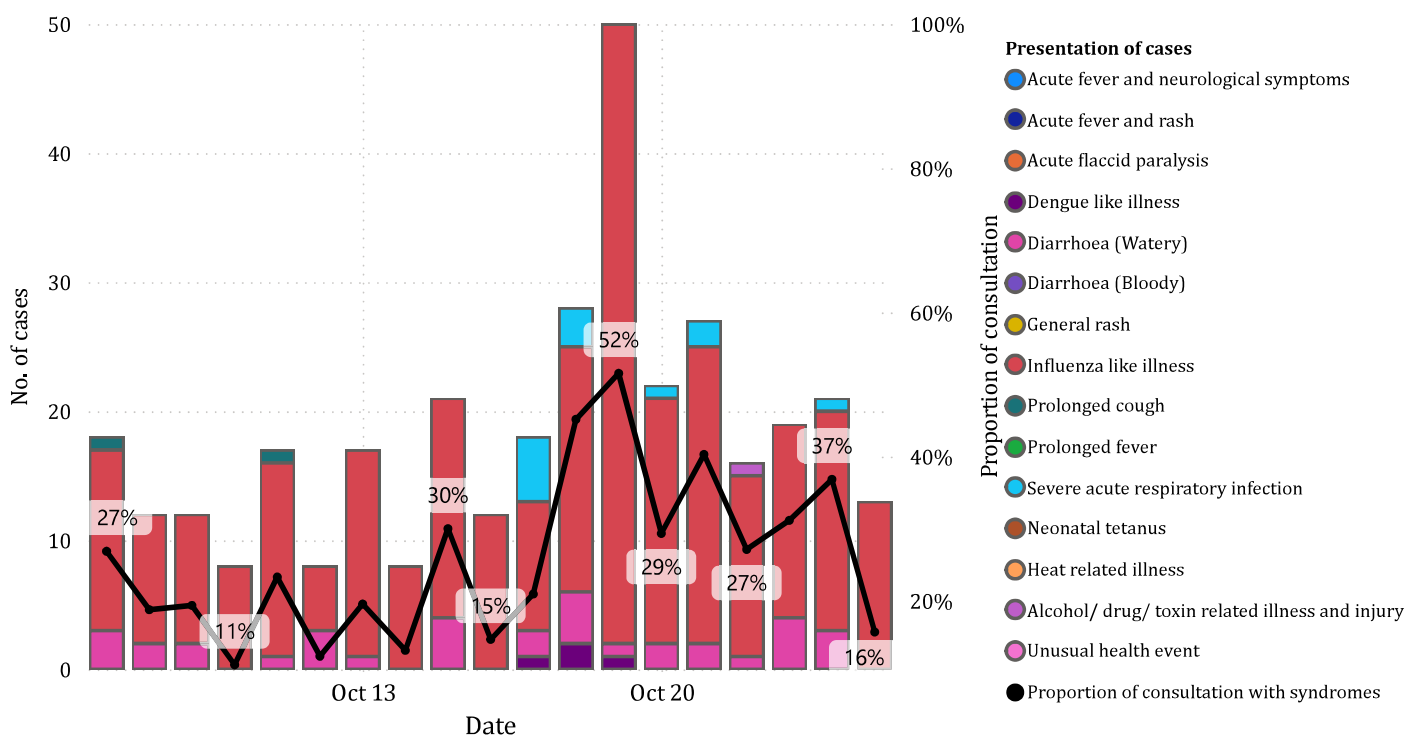
- Over the past 24 hours, 21 teams were dispatched to 7 accommodation sites and CHOGM ward including mobile units that were deployed to various high-level meetings and receptions.
- A total of 15 patients visited the clinics. Among them, 4 presented with influenza like symptoms, 2 heat-related injuries and 2 minor injuries. The majority of the other patients presented with various issues, such as blood pressure checks, coughs and headaches.
- TTMH currently has 131 patient admissions, including 12 new admissions in the past 24 hours. Additionally, 18 patients have been discharged, and there have been 317 outpatient visits. The hospital is operating at 56% occupancy.

Table 3: Bed occupancy and presentation at TTM Hospital Wards 6AM-6AM

Hospital/Ward	No. of beds	No. bed occupied	Bed occupancy %	No. of presentations	No. of deaths
TTMH NICU	10	11	110.00%		1
TTMH Medical Ward	40	34	85.00%		
TTMH Surgical Ward	40	26	65.00%		
TTMH ICU	7	4	57.14%		
TTMH ED	14	8	57.14%	65	
TTMH Paediatrics Ward	43	23	53.49%		
TTMH Maternity	40	19	47.50%		
Mental Health	10	4	40.00%		0
TTMH Labour Ward	12	2	16.67%		1
TTMH CHOGM Ward	20	0	0.00%		0
TTMH APCC				252	

Note: Two deaths reported in TTMH NICU and Labour Ward were Samoan residents

Figure 1: TTMH ED Proportion of consultations and types of presentation



SYNDROMIC SURVEILLANCE (excluding ILI, SARI, & Dengue)

Syndromic Surveillance System has a total of 21 sentinel sites and mobile clinics and 15 syndromes under monitoring. **Syndromes with alert threshold exceeded are highlighted in red.**

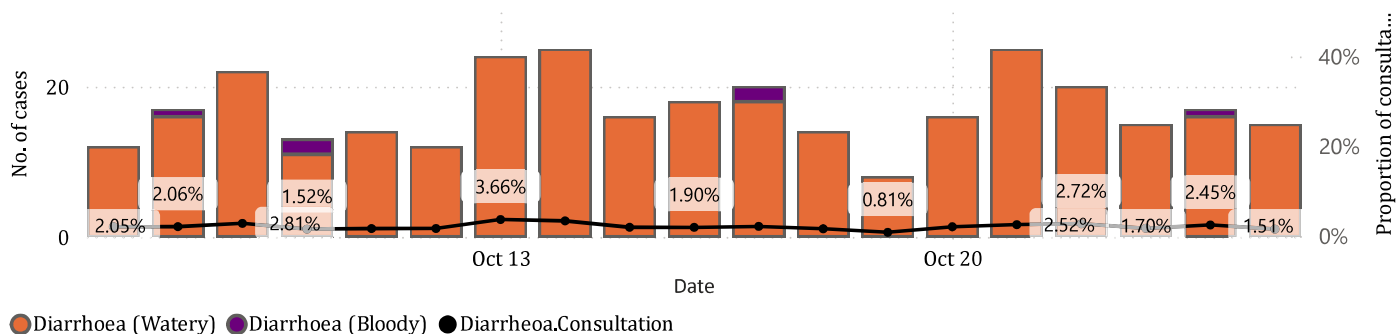
Date of presentation: 25 October, 2024

No. of consultation: 992

Table 4: Number of consultations and syndromic cases per sentinel site

Clinic	No. of consultations	Prolonged fever	Acute fever and rash	Acute flaccid paralysis	Neonatal tetanus	General rash	Prolonged cough	Acute fever and neurological symptoms	Heat related illnesses	Alcohol/drug/toxin related illness and injury	Unusual health event
TTMH Paeds	59	0	0	0	0	1	0	0	0	0	0
TTMH ED	83	0	0	0	0	0	0	0	0	0	0
TTMH APCC	175	0	0	0	0	0	0	0	0	0	0
Satupaitea HC	36	0	0	0	0	0	0	0	0	0	0
Sataua DH	44	0	0	0	0	0	0	0	0	0	0
Safotu DH	44	0	0	0	0	0	0	0	0	0	0
Saanapu HC	53	0	0	0	0	0	0	0	0	0	0
Poutasi DH	38	0	0	0	0	1	0	0	0	0	0
MTIIH	178	0	0	0	0	1	0	0	0	0	0
Lufilufi HC	45	0	0	0	0	2	0	0	0	0	0
Leulumoega DH	95	0	0	0	0	3	0	0	0	0	0
Lalomanu DH	76	0	0	0	0	0	0	0	0	0	0
Foailalo DH	28	0	0	0	0	1	0	0	0	0	0
Faleolo HC	23	0	0	0	0	0	0	0	0	0	0
CHOGM Ward TTMH	0	0	0	0	0	0	0	0	0	0	0
CHOGM Taumeasina	0	0	0	0	0	0	0	0	0	0	0
CHOGM Standby team	0	0	0	0	0	0	0	0	0	0	0
CHOGM Sinalei Reef Resort	0	0	0	0	0	0	0	0	0	0	0
CHOGM Sheraton Mulifanua	9	0	0	0	0	0	0	0	0	0	0
CHOGM Sheraton Bungalows	1	0	0	0	0	0	0	0	0	0	0
CHOGM RTParadise	0	0	0	0	0	0	0	0	0	0	0
CHOGM Mobile Team 2	2	0	0	0	0	0	0	0	2	0	0
CHOGM Mobile Team 1	3	0	0	0	0	0	0	0	0	0	0
CHOGM Amanaki	0	0	0	0	0	0	0	0	0	0	0
Total	992	0	0	0	0	9	0	0	2	0	0

Figure 2: Watery, bloody diarrhoea, and proportion of consultation, 7th Oct 2024-present



RESPIRATORY DISEASES

ILI Case Definition: An acute respiratory infection with a history of fever or measured fever of $\geq 38^{\circ}\text{C}$ and cough, with onset within the last 10 days
Alert threshold: Doubling cases from day prior per surveillance site

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

Table 5: ILI, SARI, and percent change in the past 24 hours

Clinic	ILI	% Change in the past 24 hours	SARI	% change in the past 24 hours
TTMH Paeds	25	79%	1	100%
TTMH ED	13	-24%	0	-100%
TTMH APCC	34	26%	0	0
Satupaitea HC	5	400%	0	0
Sataua DH	5	25%	0	0
Safotu DH	2	-33%	0	0
Saanapu HC	23	64%	0	0
Poutasi DH	15	275%	0	0
MTIIH	31	3%	0	-100%
Lufilufi HC	16	33%	0	0
Leulumoega DH	28	65%	0	0
Lalomanu DH	20	400%	0	0
Foailalo DH	0	0%	0	0
Faleolo HC	3	-67%	0	0
CHOGM Ward TTMH	0	-100%	0	0
CHOGM Taumeasina	0	0%	0	0
CHOGM Standby Team	0	0%	0	0
CHOGM Sinalei Reef Resort	0	0%	0	0
CHOGM Sheraton				
Mulifanua	3	50%	0	0
CHOGM Sheraton				
Bungalows	0	0%	0	0
CHOGM RT Paradise	0	0%	0	0
CHOGM Mobile Team 2	0	0%	0	0
CHOGM Mobile Team 1	1	0%	0	0
CHOGM Amanaki	0	0%	0	0
Total	224	40%	1	-50%

Figure 3: Number of tests and lab confirmed Influenza A, B, COVID-19, and RSV, 7th Oct, 2024-present

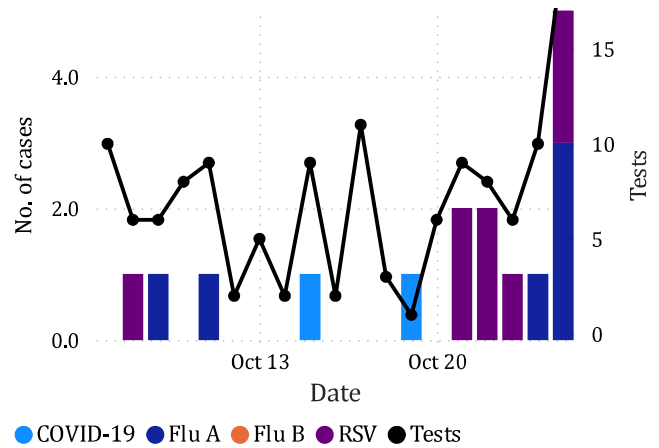
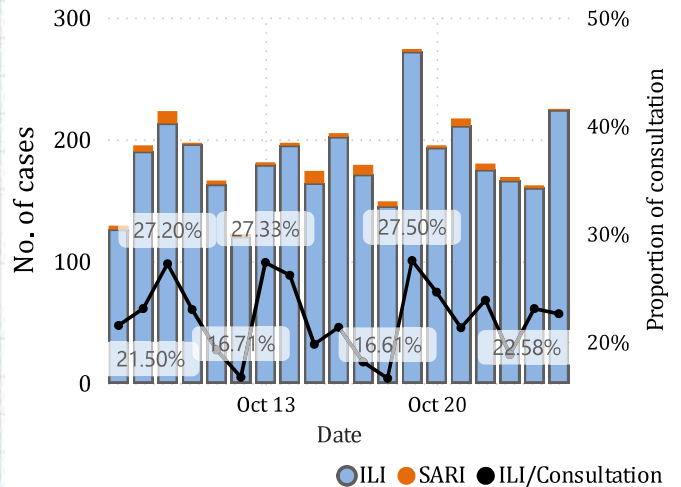


Figure 4: ILI, SARI cases and proportion of consultation

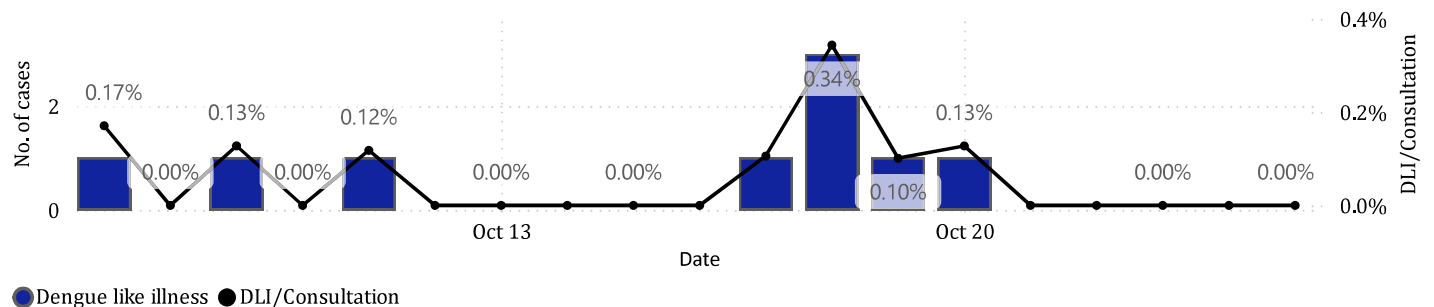


DENGUE

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: THREE cases per surveillance site

Dengue like illness	Confirmed Dengue
0	0

Figure 5: Dengue-like Illness and proportion of consultation, 7th Oct 2024-present



SOCIAL LISTENING & CALL CENTRE

Social listening analysis examines discourse related to health issues among social networks both interpersonal and via media platforms to provide rapid monitoring of emerging health concerns and rumours. Social listening mechanism has been activated in preparation for CHOGM. Call center is available 24/7 to monitor health information from the community,

Figure 6: Number of calls by date received

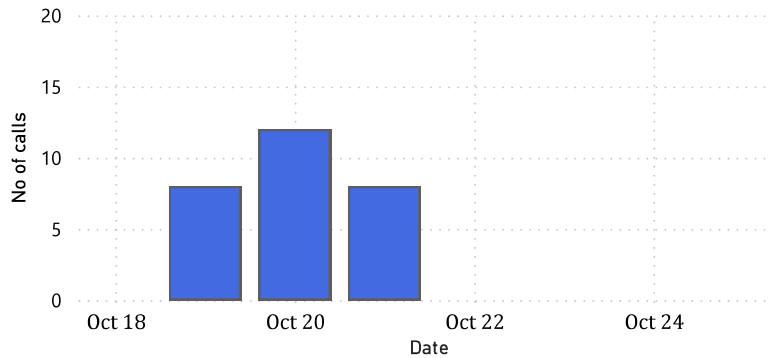
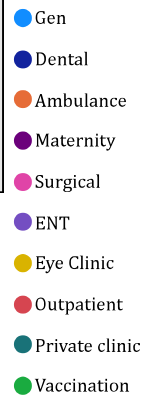


Figure 7: Cumulative number of calls received by subject of call



28

Total Calls

Social Listening: Health related topics

1. Concerns of flooding with the current rainfall level in low lying areas. Land Transport Authority has issued an advisory on road closures.
2. A family from Tufulele without electricity and water reports having 6 children needing immunization services.

ONGOING RESPONSE ACTIVITIES

1. Rapid Response Team (RRT) conducted investigation on all Paeds pneumonia cases for potential RSV at TTMH Paeds. Testing of Paeds pneumonia cases were completed with 1 RSV positive case and another case which was positive for both RSV and Influenza A.
2. Rapid Response Teams investigated SARI case at TTMH Paeds, and followed up laboratory results for respiratory panel test which returned negative for COVID-19, RSV and Influenza A & B.
3. Ongoing drinking water quality testing was conducted across Upolu Urban area including at all CHOGM meeting venues. All complied with the National Drinking Water Standards.
4. Ongoing inspections of sanitation facilities and environmental health assessment were conducted at all CHOGM venues and facilities. Issues identified have been addressed.
5. Ongoing food safety inspections and monitoring were conducted at all CHOGM catering facilities including the registered food stalls for Samoa Business Hub at Maluafo College. Issues identified have been addressed.

RECOMMENDATIONS

1. Continue to test all SARI and pneumonia cases for influenza, COVID-19, and RSV. Rapid Diagnostic Tests (RDT) are available at CHOGM sites and PCR (respiratory panel) available at TTMH and MTIHH. Ensure isolation and testing protocols for respiratory illnesses are adhered to.
2. Ongoing public health actions on risk communication surrounding home care for common illnesses such as acute gastroenteritis & food poisoning, as well as respiratory illnesses (flu, COVID-19, RSV, etc.). Encourage timely health seeking behaviour for proper management.
3. The Risk Communication and Community Engagement (RCCE) MOH working group continue to distribute communication materials, handle public queries via the MOH CHOGM call centre and conduct social listening to monitor emerging health concerns in the community and region.
4. Maintain a weekly analysis and reporting of social listening for 2 epi-weeks post-CHOGM to detect signals and community health concerns within the incubation periods of disease of public health concern.