



Ministry of Health Commonwealth Heads of Government Daily Situation Report No.4



Date of report: 23rd October, 2024
Email: surveillance@health.gov.ws
Tel: 66506/66507

Reporting period: 12:00AM 22nd October-12:00AM 23rd 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 22nd 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.
- 734 consultations observed. 25.9% decrease from the past 24 hours.
- TTMH ED (100%) and Neonatal ICU (130%) is at max capacity.

Syndromes/Conditions

- **General Rash:** 10 cases reported from TTMH Paeds, MTHH, Saanapu HC, Lufilufi HC, Leulumoega DH, and Foailalo DH.
- **ILI:** 17% decrease from the past 24 hours. Threshold exceeded at Foailalo DH.
- **SARI:** 5 cases detected at TTMH Paeds, MTHH, and Foailalo DH.
- **Alcohol/Drug Related Injury:** 1 case at ED

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	✓	63
TTMH ED	✓	59
TTMH APCC	✓	69
Satupaitea HC	✓	35
Sataua DH	✓	21
Safotu DH	✓	36
Saanapu HC	✓	33
Poutasi DH	✓	42
MTHH	✓	159
Lufilufi HC	✓	50
Leulumoega DH	✓	76
Lalomanu DH	✓	26
Foailalo DH	✓	22
Faleolo HC	✓	16
CHOGM Ward TTMH	✓	7
CHOGM Taumeasina	✓	3
CHOGM Sinalei Reef Resort	✓	1
CHOGM Sheraton Mulifanua	✓	4
CHOGM Sheraton Bungalows	✓	2
CHOGM RTParadise	✓	0
CHOGM MC - TATTE	✓	3
CHOGM MC - St Therese	✓	0
CHOGM MC - MJCA	✓	3
CHOGM MC - EFKS	✓	4
CHOGM Amanaki	✓	0
Total		734

Table 2: Signals and events under monitoring

Date of Report	Disease/condition	Description	Risk assessed	Status
10/21/24	Rotavirus	1 case: male, 2 years, with AGE, positive (RDT) for rotavirus. Confirmed vaccination status. Patient and family advised on hand hygiene practices and vaccination. Re-test returned positive (RDT). Overseas referral of samples for confirmation.	Low	Open
10/22/24	Hand Foot Mouth Disease	1 case: general Rash suspected of HFMD case reported from Foailalo DH: F/5yo from with Day 3 of multiple boils on face, hands and legs. Surveillance team is conducting investigation and conduct sample collection to rule out HFMD	Low	Open
10/22/24	SARI	1 case: SARI case reported from Foailalo DH, F, 8 years old with high-grade fever; whooping cough, mild sob and runny nose that started 1 week prior). Pending lab results for respiratory. Surveillance team is conducting investigation and prompting sample collection to rule out pertussis as well.	Moderate	Open
10/22/24	Dengue	1 suspected case: M/32yrs with fever; myalgia and possible malaria reported by one of the CHOGM accommodation sites, negative for malaria. Retested and positive for dengue. Samples referred to reference lab for confirmation and serotyping.	Moderate	Open

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.

The NZMAT joined the Ministry of Health SEMAT, supporting the 19 teams that were deployed to the 11 accommodation sites and meeting venues/ward:

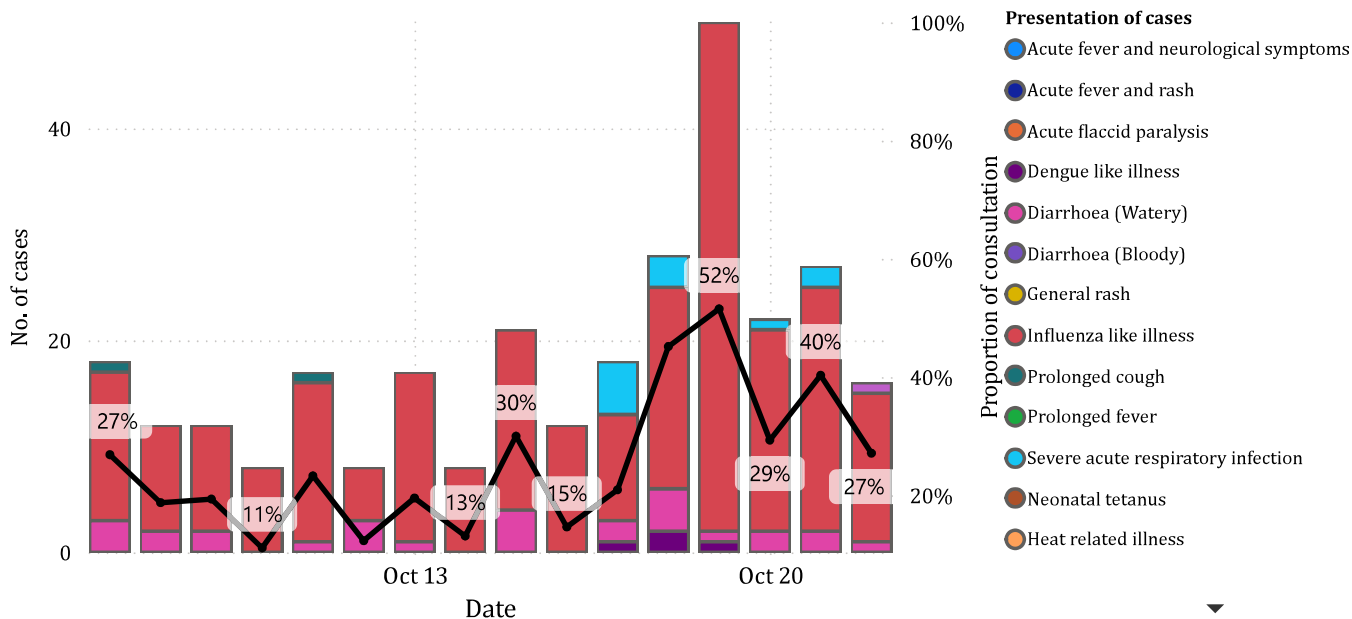
1. Sheraton Samoa Beach Resort, Mulifanua
2. Sheraton Samoa Aggie Grey's Hotel & Bungalow Vaisigano
3. Taumeasina Island Resort
4. Return to Paradise Lefaga
5. Amanaki Hotel Sogi
6. Sinalei Resort
7. CHOGM Ward TTMH
8. CW Youth Forum at EFKS Hall
9. CW Women's Forum at TATTE Convention Centre
10. Side events at the Ministry of Justice Courts Administration
11. Welcome reception for forums at St Therese

From the 11 reporting sites, 26 patients were seen including 1 major extremity injury and 1 medical emergency.

Table 3: Bed occupancy and presentation at TTM Hospital Wards 7AM-7AM

Hospital/Ward	No. of beds	No. bed occupied	Bed occupancy %	No. of presentations	No. of deaths
TTMH NICU	10	13	130.00%		0
TTMH ED	20	20	100.00%	59	1
TTMH Surgical Ward	40	35	87.50%		0
TTMH Medical Ward	40	33	82.50%		2
TTMH ICU	7	5	71.43%		0
TTMH Paediatrics Ward	43	27	62.79%		0
TTMH Maternity	40	25	62.50%		0
Mental Health	10	4	40.00%		0
TTMH Labour Ward	12	2	16.67%		0
TTMH CHOGM Ward	20	1	5.00%	6	0
TTMH APCC				69	0

Figure 1: Proportion of consultations and types of presentation



SYNDROMIC SURVEILLANCE (excluding ILI, SARI, & Dengue)

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

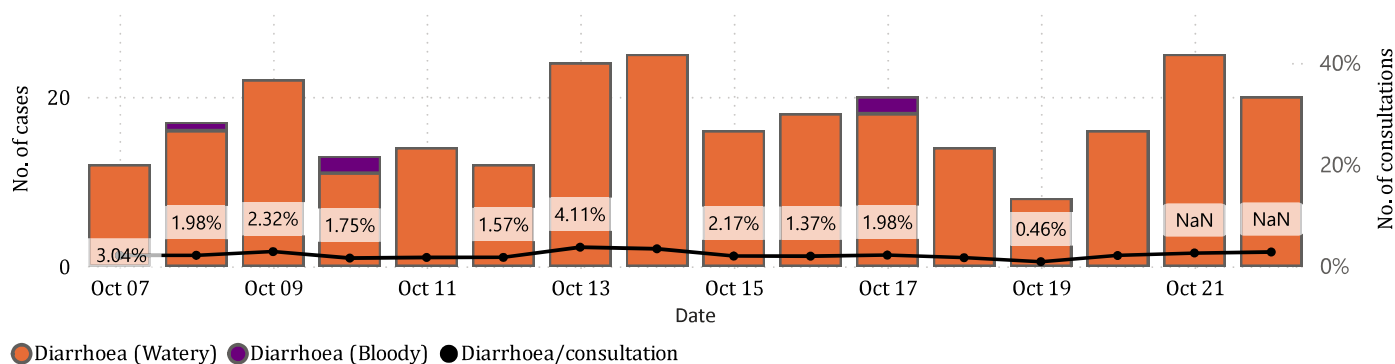
Date of presentation: 22 October, 2024

No. of consultation: 734

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	63	0	0	0	0	1	0	0	0	0	0
TTMH ED	59	0	0	0	0	0	0	0	0	1	0
TTMH APCC	69	0	0	0	0	0	0	0	0	0	0
Satupaitea HC	35	0	0	0	0	0	0	0	0	0	0
Sataua DH	21	0	0	0	0	0	0	0	0	0	0
Safotu DH	36	0	0	0	0	0	0	0	0	0	0
Saanapu HC	33	0	0	0	0	2	0	0	0	0	0
Poutasi DH	42	0	0	0	0	0	0	0	0	0	0
MTIIH	159	0	0	0	0	1	0	0	0	0	0
Lufilufi HC	50	0	0	0	0	1	0	0	0	0	0
Leulumoega DH	76	0	0	0	0	4	0	0	0	0	0
Lalomanu DH	26	0	0	0	0	0	0	0	0	0	0
Foailalo DH	22	0	0	0	0	1	0	0	0	0	0
Faleolo HC	16	0	0	0	0	0	0	0	0	0	0
CHOGM Ward TTMH	7	0	0	0	0	0	0	0	0	0	0
CHOGM Taumeasina	3	0	0	0	0	0	0	0	0	0	0
CHOGM Sinalei Reef Resort	1	0	0	0	0	0	0	0	0	0	0
CHOGM Sheraton Mulifanua	4	0	0	0	0	0	0	0	0	0	0
CHOGM Sheraton Bungalows	2	0	0	0	0	0	0	0	0	0	0
CHOGM RTParadise	0	0	0	0	0	0	0	0	0	0	0
CHOGM MC - TATTE	3	0	0	0	0	0	0	0	0	0	0
CHOGM MC - St Therese	0	0	0	0	0	0	0	0	0	0	0
CHOGM MC - MJCA	3	0	0	0	0	0	0	0	0	0	0
CHOGM MC - EFKS	4	0	0	0	0	0	0	0	0	0	0
CHOGM Amanaki	0	0	0	0	0	0	0	0	0	0	0
Total	734	0	0	0	0	10	0	0	0	1	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	29	Infinity	2	Infinity
TTMH ED	14	-26%	0	-100%
TTMH APCC	18	-14%	0	NaN
Satupaitea HC	3	-40%	0	NaN
Sataua DH	0	-100%	0	NaN
Safotu DH	0	NaN	0	NaN
Saanapu HC	9	Infinity	0	NaN
Poutasi DH	8	-76%	0	NaN
MTIIH	34	0%	2	Infinity
Lufilufi HC	21	-19%	0	-100%
Leulumoega DH	25	-26%	0	NaN
Lalomanu DH	5	0%	0	NaN
Foailalo DH	2	100%	1	Infinity
Faleolo HC	4	-50%	0	NaN
CHOGM Ward TTMH	0	NaN	0	NaN
CHOGM Ward TTMH	1	Infinity	0	NaN
CHOGM Taumeasina	1	Infinity	0	NaN
CHOGM Taumeasina	0	NaN	0	NaN
CHOGM Sinaiei Reef Resort	0	NaN	0	NaN
CHOGM Sheraton Mulifanua	1	Infinity	0	NaN
CHOGM Sheraton Mulifanua	0	NaN	0	NaN
CHOGM Sheraton Bungalows	0	NaN	0	NaN
CHOGM RTParadise	0	NaN	0	NaN
CHOGM MC - TATTE	0	NaN	0	NaN
CHOGM MC - St Therese	0	NaN	0	NaN
CHOGM MC - MJCA	0	NaN	0	NaN
CHOGM MC - EFKS	0	NaN	0	NaN
CHOGM Amanaki	0	-100%	0	NaN
Total	175		5	

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

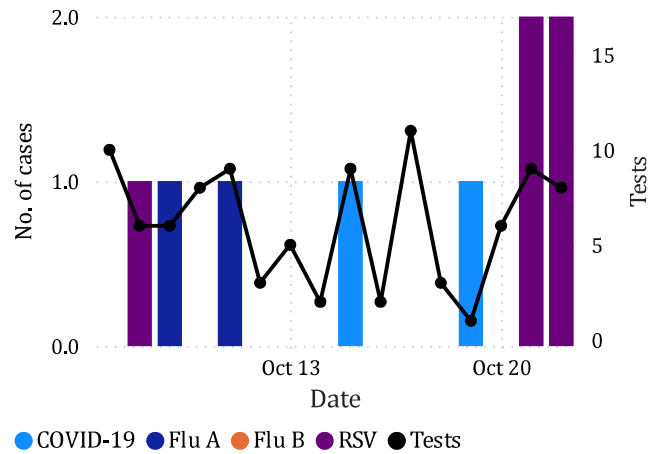
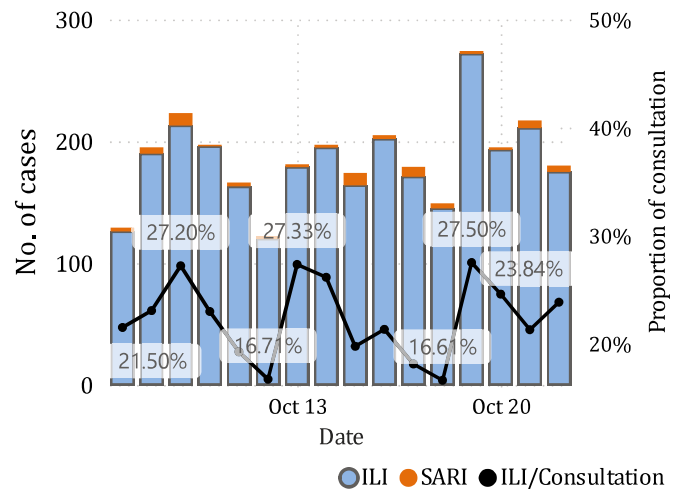


Figure 4: ILI, SARI cases and proportion of consultation

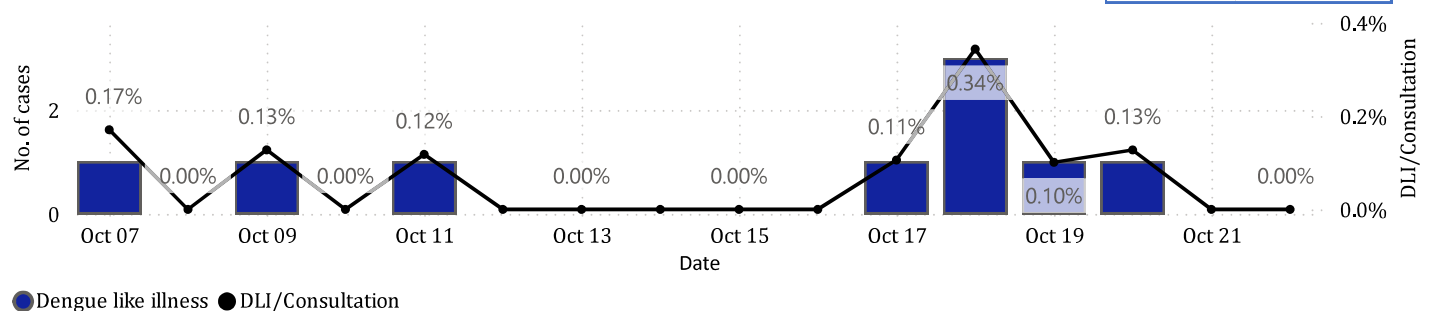


DENGUE

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	1

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



SOCIAL LISTENING & CALL CENTER

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 7: Cumulative number of calls received by subject of call

28

Total Calls

- Gen
- Dental
- Ambulance
- Maternity
- Surgical
- Eye Clinic
- Outpatient
- Vaccination

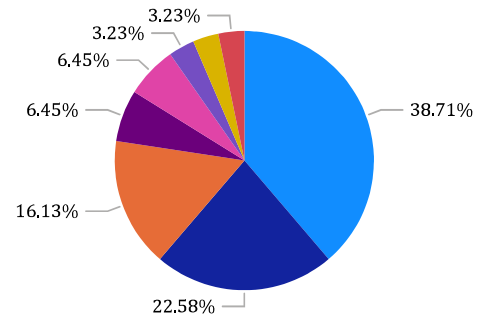
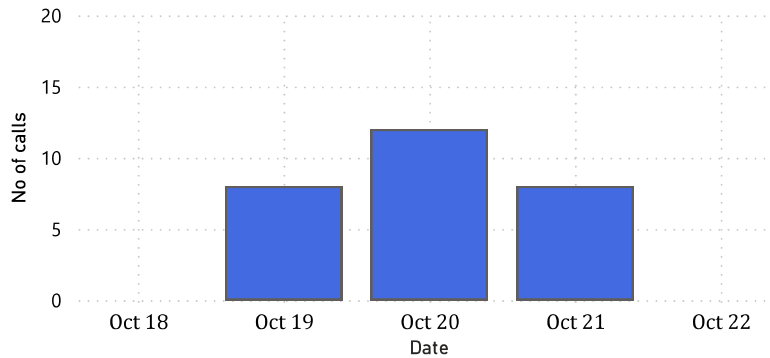


Figure 6: Number of calls by date received



Social Listening: Health related topics

1. General praise for Ministry of Health activities for CHOGM.
2. Banning paraquat weed killer which is suspected in the death of a 27-year old male
3. NZ Navy ship causing environmental and human health concerns
4. Praise for hydration CHOGM health reminder
5. Complaints about the state of hospitals

ONGOING SURVEILLANCE & RESPONSE ACTIVITIES

1. Rapid Response Team (RRT) conducted case investigation and collected samples for testing of a suspected malaria case. Results returned negative for malaria but positive for dengue fever. Samples will be sent to reference laboratory for confirmation and serotyping.
2. Rapid Response Team (RRT) conducted investigation for all reported SARI cases and follow-up their laboratory results.
3. Conducted training for laboratory staff on the Mpox test kits and interpretation of results.
4. Health promotion booths to be established to promote practicing safe sex and prevention of STI's including HIV and Mpox. Condoms are available at all health facilities. Testing for HIV and STI's is available at Communicable Disease Clinic TTMH, Moto'otua ph: 66700 & MTII, Savaii, ph: 53511
5. Water quality monitoring at all meeting venues was conducted.
6. Ongoing environmental health activities including monitoring of sanitation facilities at all meeting and accommodation venues.
7. Monitoring of CHOGM catering facilities on food safety.
8. 102 printed communication materials scheduled for 22nd October 2024.
9. 954 information Education & Communication (IEC) materials distributed from 7th October to 24th October.

RECOMMENDATIONS

1. Dispatch Rapid Response Teams to investigate SARI case at MTIIH, Hand foot and mouth disease, and potential increase in RSV TTMH.
2. Continue to test all SARI cases for influenza, COVID-19, and RSV. Rapid Diagnostic Tests (RDT) are available at CHOGM sites and PCR available at TTMH and MTIIH.
3. 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.).
4. 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.