



Government of Samoa

National Emergency Operations Centre

Situational Report No.1 for the Disaster Advisory Committee

**National Response to Measles Outbreak State of Emergency
18th November 2019**

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1. TIMELINE OF NATIONAL RESPONSE FROM NEOC

The following presents the timeline of the National Response since the Proclamation of State of Emergency came into effect.

Date/Time		Activity
Friday, 15 November 2019	8.35pm	Proclamation of State of Emergency signed
	10.30pm	National Emergency Operations Centre Activated
Saturday, 16 November 2019	9.30am	National Disaster Council meeting
	11.00am	Disaster Advisory Committee (Core members meeting)
	12.30pm	Disaster Advisory Committee (Associate members meeting)
	1.30pm	NEOC and MoH 1 st briefing
Sunday, 17 November 2019	1.00am	MOH 1 st Agency Situational Report received by NEOC
	10.00am	Mapping of High Risk and Priority Areas for Vaccination Operations
	3.30pm	NEOC sections submitted 1 st Internal Situation Reports to Manager and Response Coordinator
	4.10pm	NEOC and MoH 2 nd briefing
	5.20pm	SFESA 1 st Agency Situational Report received by NEOC
	6.00pm	NEOC and MoH finalized Vaccination Plan and Immediate Needs for DAC's approval

2. SUMMARY OF IMMEDIATE NEEDS FOR VACCINATION OPERATION

The following immediate needs were identified by the MoH and the list is presented to the DAC for its approval and the NDC's endorsement. The immediate needs are categorized in terms of what can be provided locally and needs that requires assistance from development partners. NEOC shall verify and prioritize accordingly to "URGENT" needs in the duration of the Operation.

Immediate Needs	Good or Services Required	Quantity
For assistance from partners		
Emergency Support Service	Details Annexed for information (Annex 3.1)	
Lab Supplies		
Lab Spare parts:		
Vaccines	MMR	50,000
	MR	80,000
	AD (0.5ml) Syringes	80,000
	5 ml mixing / reconstitution syringes	130,000
	MR Dilutants	130,000
Personnel	Vaccinators	50
Support Services	Vaccine Carriers for vaccination teams	80
ICU Equipments	Details Annexed (Annex 3.1)	

Assistance from the NEOC		
Support for Vaccination Mobile Teams	Stickers	10,000
	Banners	25
	Name tags	100
	Data entry personnel ¹	40
	Vans for transportation ²	25
	Megaphones	25
Protective gears for FESA	coveralls	100
Mobile Storage Unit	Tuanaimato site	1
Petrol for mobile teams	Petrol	TBC
Refreshments for Vaccination teams and NEOC	Lunch	TBC
Ward	Bed sheets and pillows	
	Sanitizers	

¹ Require personnel from DAC agencies

² Require resources from DAC agencies

This list will be updated regularly for the DAC's perusal and information on what has been received.

3. NATIONAL RESPONSE ACTION PLAN - 72HOURS

Date: 18 November 2019

Time: 12.00am

1. Ongoing Actions as per Orders of State of Emergency

No	Task	Responsible	Timeframe
1.1	Execute Vaccination outreach program as per Orders of State of Emergency	MoH	From the 19th Nov until the end of the Emergency Period
1.2	Suspend school operations as per Orders of State of Emergency	MESC	From the 15th November until further notice
1.3	Encourage public adherence to restriction of high risk age groups presence at public gatherings	All	From 15th November until end of Emergency period
1.4	Crowd control and security at the Vaccination centres (Hospitals, Health centres)	Police	From 15th November until end of Emergency period

2. Actions for DAC to consider moving forward

Following actions are tabled for DAC to discuss and provide resolution

No	Task	Responsible	Timeframe
2.1	Border Security at international ports of entry	MPMC, SAA, SPA, MAF, MoH, MCR	DAC to approve terms and conditions
2.2	Suspend travelling of high risk age groups via inter-island transport	SSC	DAC to approve terms and conditions
2.3	Utilize local contractors to assist with the renovation of old TTM admin building to become an isolation ward	MWTI	DAC to approve terms and conditions
2.4	Establishment of Community and Public Vaccination Centres	MWCSD, MoH, MWTI, STA	DAC to approve terms and conditions
2.5	Strengthen Vaccination awareness in communities	NCC, MWCSD, MoH, SRC	DAC to approve terms and conditions
2.6	Promote free access to vaccinations for the public	MoH	DAC to approve terms and conditions
2.7	Suspend all upcoming public events involving high risk groups including conferences, trainings, sporting events, festivities, and commemoration days.	OAG	DAC to approve terms and conditions
2.8	All sectors to provide sectoral situational report to the NEOC as per NDMP requirements.	All sectors	Refer to NDMP requirements

DAC may impose further actions in addition to the above to strengthen the national response and shall be reflected in the next DAC Situational Report to be submitted by the NEOC. These actions are valid only in the duration of the State of Emergency period.

4. RECOMMENDATION

The NEOC recommends the DAC to approve for implementation the following:

1. Approve list of immediate needs for NDC's endorsement and direct NEOC to verify and prioritize needs required for the Vaccination operation
2. Approve the Action plan for the next 72hours and provide additional directives required to implement needed operations
3. Approve seconded staff requested by NEOC from core agencies that are responsible for the management of public health crisis as per letter issued on Saturday 16th November 2019.
4. Require Response Agencies and Sectors to submit Situational Reports to the NEOC for DAC reporting.

Signed by:

Safuta Toelau Iulio
Acting Chairman - DAC
18th November 2019

5. ANNEXES

Annex 1: National Mass Vaccination Plan

Annex 1.1: Outreach Team Vaccination Plan

MASS VACCINATION PLAN 2019 OUTREACH TEAMS - DOOR TO DOOR & FIX SITES													
VAIMAUGA	Total	0-14	0-4	15-29	15-19	30-64	30-35	Not Stated	V2 EN	Data officer	Driver	Vehicle No (Van)	Fixed Site (Proposed)
Moataa	1,467	533	152	370	123	484	41	0	Tulitua Simi	Rebecca Pita	1	1	1. Moataa EFKS
Vaivase Tai	1,039	313	89	303	101	359	31	0					
Vaivase Uta	953	287	82	262	87	349	30	1					
Tanoaleia	712	244	70	194	65	242	21	0					
Moataa Uta	173	56	16	57	19	55	5	0					
					0		0						
Magiagi Tai	1,830	647	185	522	174	586	50	3	RN Funafuti Leavai	Salafai Tiaseuga	1	1	2. Maagiagi EFKS
Magiagi Uta	238	89	25	57	19	85	7	0					
Toomatagi	226	59	17	80	27	74	6	0					
Lelata	200	70	20	44	15	70	6	0					
					0		0						
Faatoialemanu	897	291	83	256	85	308	26	1	Pisa Faatoa	Aripa (Registrar, MOH)	1	1	3. Faatoia EFKS
Vaiala Tai	593	203	58	149	50	212	18	0					
Vaiala Uta	397	143	41	113	38	123	11	0					
Vinifou	71	24	7	17	6	25	2	0					
Vaipuna	339	111	32	82	27	121	10	0					
Levili	74	20	6	20	7	31	3	1					
Matautu Tai	190	63	18	55	18	63	5	0					
Matautu Uta	751	264	75	217	72	240	21	0					
					0		0						
Apia	208	68	19	51	17	75	6	0	Orienteer	Kalala (SPPRD, MOH)	3	3	4. EPI Clinic, TTM
Tauese	155	62	18	40	13	49	4	0					5. SFHA Office
Tufuiopa	427	138	39	136	45	137	12	1					6. STA Fale
Leone	591	230	66	149	50	180	15	0					7. Matagialalua Clinic
Vaisagano	254	80	23	80	27	83	7	2					
Aai o Niue	172	59	17	48	16	54	5	0					
Maluafou	77	28	8	17	6	27	2	0					
Malifa	160	44	13	47	16	64	5	0					
Leifiifi	31	7	2	9	3	14	1	0					
					0		0						
Motootua	453	166	47	92	31	170	15	0	Orienteer	2	1	1	
Leufisa	235	91	26	58	19	84	7	0					
Tanugamanono	855	307	88	227	76	274	23	0					
Papauta	431	168	48	128	43	118	10	0					
Vailima	825	308	88	200	67	294	25	0					
					0		0						
Avele	405	149	43	108	36	129	11	0	Orienteer	Maria Sanele	1	1	
Letava	591	213	61	143	48	206	18	0					

Vaola	952	315	90	230	77	336	29	1					
Tiapapata	150	32	9	31	10	71	6	0					
Afiamalu East	147	50	14	40	13	51	4	0					
Afiamalu West	53	16	5	14	5	21	2	0					
Nafanua	374	139	40	112	37	105	9	0					
Tanumaleko	84	26	7	18	6	33	3	0					
Papaloloa	257	81	23	72	24	92	8	0					
Malololelei	258	89	25	65	22	86	7	0					
Tiavi	8	6	2	1	0	1	0	0					
					0		0						
Lalovaea West	333	107	31	98	33	114	10	0	Orienteer	Analosa Manuele	1	1	go to fixed site 5,6,7
Palisi	1,134	430	123	288	96	368	32	0					
Matafele	6	0	0	4	1	2	0	0					
Mulivai	9	0	0	0	0	6	1	0					
Tuloto	151	42	12	54	18	48	4	0					
Togafuafua	423	127	36	152	51	122	10	0					
Taufusi	380	103	29	123	41	134	11	0					
Lalovaea East	472	160	46	128	43	160	14	0					
					0		0						
Laulii	2,167	844	241	583	194	662	57	4	Orienteer	Jasmine Mikaele	1	1	Approach Fagalii and Vailele
Letogo	1,330	557	159	327	109	407	35	1					0
Fagalii	1,532	580	166	392	131	486	42	1					
Vailele Uta	968	330	94	265	88	335	29	2					
Vailele Tai	2,154	739	211	581	194	675	58	4					
Support Needed									2	10	10		
FALEATA	Total	0-14		15-29		30-64		Not Stated	V2 EN	Data officer	Driver	Vehicle No (Van)	Fixed Site(Proposed)
Alamagoto	939	373		236		293		0	Orienteer	Tomasi Sapau	2	2	8. EFKS Alamagoto
Vaimea	479	168		129		157		0					
Fugalei	241	74		71		91		0					
Saleufi	64	21		14		24		0					9. Katoliko Taufusi
Savalalo	126	41		38		39		0					
Sogi	279	112		59		95		0					
Mulinuu	27	11		7		9		0					
Aai o Fiti	161	72		32		53		1					
Sinamoga	1,443	529		399		454		0	Orienteer	Christian Atoa	2	2	10. Metotisi Vaimoso
Moamoa	1,396	501		311		510		2					11. Katoliko Moamoa
Vaimoso	2,513	969		648		799		2					
Pesega	143	56		32		46		0					
Lotopa	1,629	526		426		576		0					
Alafua	1,438	460		406		487		0					
Moamoa Fou	1,024	371		270		330		0					

Tuaefu	198	79		47		59		0	EN Tulipe Moli	Selaupasene Ualesi	1	1	13. Red Cross HQ
Tuanaimato East	493	182		119		162		0					14. Fale Komiti Lepea
Seesea	598	243		147		188		0					
Lepea	628	228		148		210		0					
Vaitoloa	670	250		177		211		0					
Vailoa	1,691	563		465		583		0					
Tulaele	858	294		242		280		0	Orientea	Mesepa Lolani	1	1	Refer to Fix Site 13.
Talimataua	597	213		151		207		0					
Vaiusu	2,686	1,111		639		824		0					
Vaigaga	789	303		181		260		0					
Elise Fou	198	67		56		63		1					
Saina	216	72		61		72		0	Orientea	Angela Stanley	1	1	15. Maota Ale Vena
Toamua	1,725	705		460		502		0					
Safune I	311	121		80		98		0					
Puipaa	1,065	396		281		352		0					
Falelauniu	221	67		76		72		0	Orientea	Hinorma Tapu	2	2	16. EFKS Nuufou
Leaupani	56	23		13		19		0					
Tapatapao	251	108		63		76		0					
Tanumapua	487	188		137		146		1					
Tafaigata	1,456	406		462		553		1					
Siusega	3,034	1,060		794		1,042		1					
Ululoloa	883	272		233		318		4					
Vaitele Tai	857	284		246		295		1	Orientea	Fuapepe Maiava	2	2	17. EFKS Vaitele
Vaitele Uta	2,992	1,063		811		991		1					18. Metotisi Vaipoto
Vaitele Fou	4,307	1,489		1,199		1,429		0					
Aleisa East	903	353		210		307		0	Orientea	Suaupuaia Afitu	2	2	19. Metotisi Aele
Aleisa West	744	301		182		217		0					
Aele Fou	635	244		162		209		0					
Nuu	1,761	661		490		563		0					
Support Needed											13	13	
Special Booths													
20. Matagialalua													
21. STA Fale									Orientea	Doris Lome	1	1	
22. SFHA HQ									Orientea	1	1	1	
Support Needed											1	2	2
TOTAL SUPPORT NEEDED											3	25	25

	Note:	Clarification
1	Need to break down into vaccination categories	Priority Age Groups = 6 months - 4 Years (Males & Females); 15 to 19 (Males & Females) and ALL Non Pregnant Females 20 to 35 years (ONLY)
2	Team Composition	Vaccinator - Must be a RN; Assitant to Vaccinator - Either a EN or Orientee; Data Entry Officers attached to each Team for Data Entry/ Records and Reporting.
3	Need for Dirvers	25
4	Need for Vehicles	25
5	Need for Data Entry Officers	3 (plus 37 Across Hospitals and HEOC) = 40
6	Need EPI registers	14 EN/ Orientees
7	Need Ink Identifiers	To Confirm all Population Vaccinated = 100
8	Need water/food for staff	MOH - CSD/F&P
9	Need banners & megaphones	50 Banners (size 3 X 1.5); Megaphones = 50 40
10	Need phone credit	MOH - HISICT and Hospital ICT
11	Need support from MWCSO, village communities and matai at the identified fixed sites	19 Fixed Sites Proposed which need to be supported and communicated to each village so that they support this mass vaccination campaign
12	Additional Vaccinators	Requesting 50 Vaccinators from Overseas
13	Vaccine Carrier	80
14	Ice Packs (4) per carrrier	320
15	Ice Pack Freezer (Deep Freezer)	4
16	Safety Boxes	100
17	Syringes	1ml = 200
18	AEFI Kit	100
19	Stickers (Green & Orange)	10,000 each colour = 20,000 (Square Post Id Size)
20	Stationary Bags/ Case	100

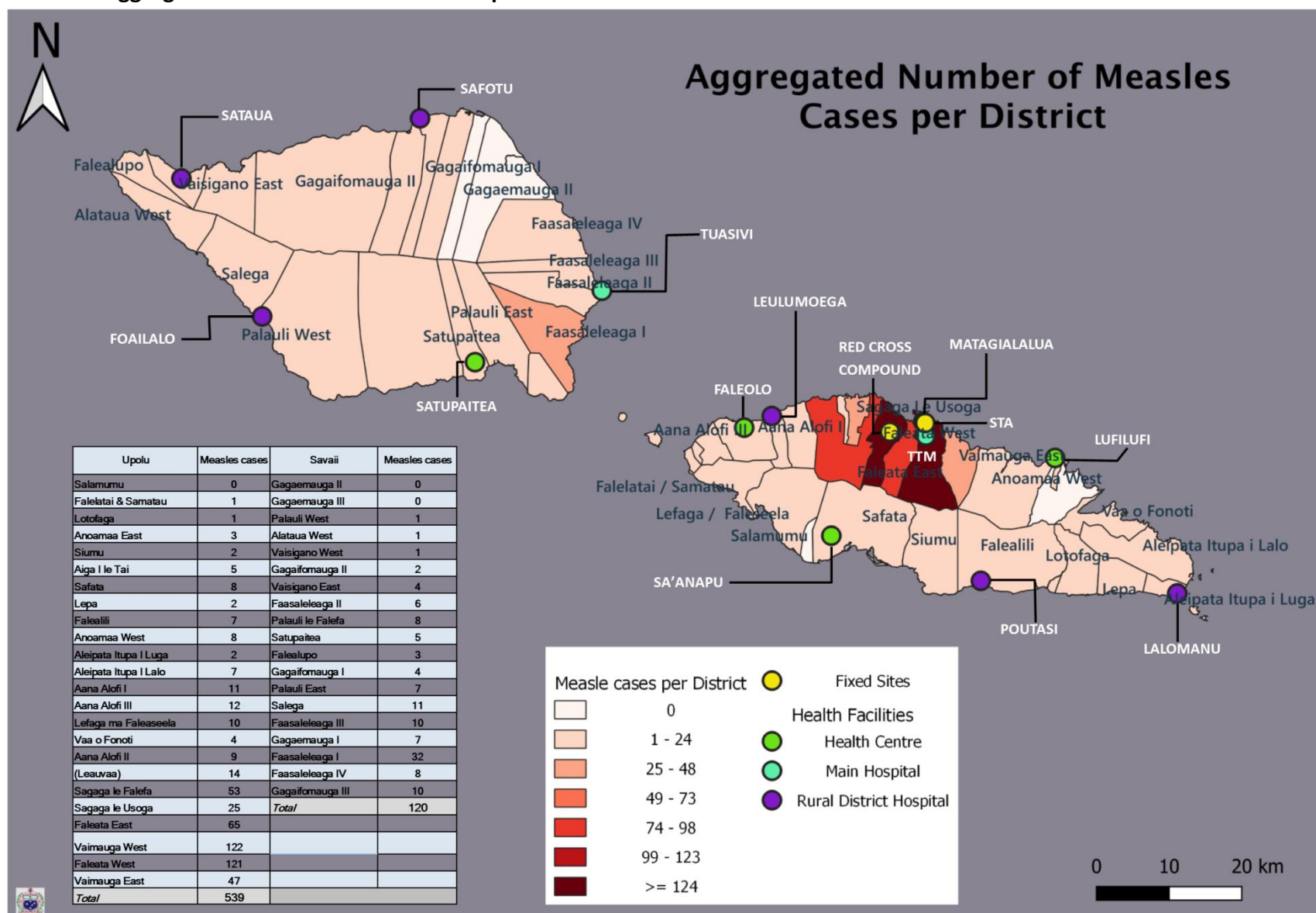
Annex 1.2: MR Vaccination High Risk Groups

MR Vaccination plan for high risk groups for Measles Outbreak response - Samoa		
0	Total Population (2016)	195979
	Estimated Total population (2019)	205469
	Growth rate	1.01
1	Population under 1 year (2019)	5858
	Population 1-3 years (2016)	16857
	Population 1-3 years (2019)	17301
	Population 3-5 years (2016)	16713
	Population 3-5 years (2019)	17153
	Population under 5	40312
2	Females (15-49 years) as per census 2016	43904
	Females (15-49 years) as per census 2019	44286
	Females in child bearing age (20-35 years)	18980
	Pregnant women	6444
	Eligible women in child bearing age for vaccination (20-35 years) - pregnant women	12536
3	Children 5-18 years (as per 2016 census)	61989
	Estimated Children 5-18 years (2019)	62528
	Estimated Children in 15-19 years	22332
4	Estimated no. of Seasonal workers	5000
5	Total eligible beneficiaries for the vaccination	86623
6	Children already vaccinated (under 5 years)	3681
	Children already vaccinated (10-19 years)	7636
	Children already vaccinated (15-19 years)	3818
	People vaccinated (20-29 years)	4789
	Females vaccinated (20-29 years)	2395
	People vaccinated (30-39 years)	3502
	People vaccinated (30-35 years)	1751
	Females vaccinated (30-35 years)	876
	Women of Childbearing age (20-35 years) vaccinated	3270
	Total MR vaccines supplied (Between 1st Oct. - 15th Nov 2019)	50000
	Total MMR vaccines supplied (Between 1st Oct. - 15th Nov 2019)	18000
	Total Measles containing vaccines supplied (Between 1st Oct. - 15th Nov 2019)	68000
	Total beneficiaries vaccinated so far in the targeted population so far	11650
	Considering the incomplete reporting + vaccination upto 15th Nov.	15000
6	Target population eligible for vaccination	71623
7	MR vaccine for the targeted population	79502

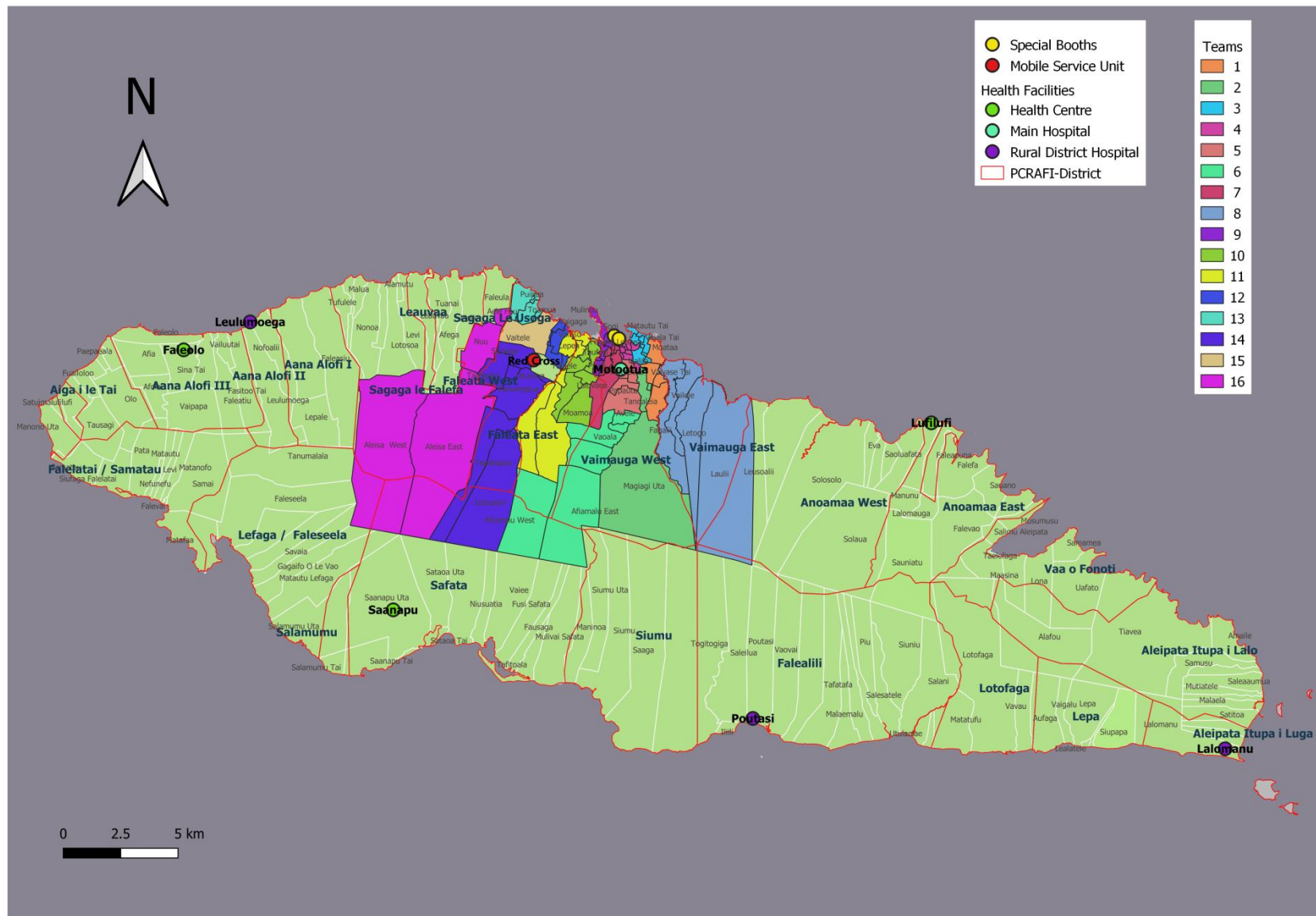
8	MR Diluents for the targeted population	79502
9	AD (0.5ml) syringes	79502
10	5 ml mixing / reconstitution syringes	7950

Updated by MoH_17_11_19

Annex 1.3: Aggregated number of Measles cases per District



Annex 1.4: Map of Prioritized Vaccination Outreach Operation



Annex 2: NEOC DAC Reporting

Annex 2.1 External Situational Report No. 1



GOVERNMENT OF SAMOA

NATIONAL EMERGENCY OPERATION CENTRE

NEOC, Tuanaimato Telephone: (+685) 27307, 997

Please address all correspondence to the
NEOC

Phone: +685 27 307

National Controller, Private Bag, Apia, Samoa

Website: <http://www.mnre.gov.ws/> Email: dmosamoa@gmail.com

DISASTER ADVISORY COMMITTEE EXTERNAL SITUATION REPORT	
Event Name: Measles Epidemic	Sitrep Number: 1
From: NEOC	Date / Time: Mon 17 th Nov 12am
Report Period: Friday 15 th November 10pm – Sunday 17 th 10pm.	Next Report Due: Tuesday 18 th 12am
HIGHLIGHTS: <ul style="list-style-type: none"> • Proclamation of a State of Emergency made on Friday 15th September 2019 • Within this reporting period, 923 suspected cases of measles with 415 admitted to the hospitals in Upolu and Savaii • A total of 11 fatalities with measles related complications have been confirmed. 9 in Upolu and 1 in Savaii 	
FUNDING: MoH has utilized their stipulated budget outputs for the procurement of immediate resources needed for epidemic response thus far Development partners have provided financial and in-kind support to assist MoH Upon the Proclamation of a State of Emergency the MoF has confirmed the utilization of the Unforeseen Expenditure	
SITUATION OVERVIEW	
1.0 NEOC OPERATIONS (summary of all response by all sections)	
15th Friday Nov 2019 NEOC activated and operational 24hrs Established first 24hrs plan of action for NEOC Confirmed NDC meeting at 9:30am 16/11/19 Confirmed DAC meeting at 12pm 16/11/19 All NEOC sections to prepare templates for reporting	
16th Saturday 2019 NDC convened on at 9:30am to discuss MoH status update on the epidemic and to confer activation of NEOC under the Proclamation of the State of Emergency DAC core members briefing was conducted immediately after at NDC meeting location. DAC associate members briefing was held at DMO office at NEOC location (Samoa Post Office) at 12.30pm.	

Meeting with MoH to discuss plan of action for the next 24hrs

17th Sunday 2019

MoH SitRep01 & SitRep02 submitted

NEOC Sections SitRep01 & SitRep02 submitted

Audit seconded staff briefing

Meeting with MoH HEOC team to confirm mass vaccination plan logistics and establish urgent immediate list of resources needed for response

NEOC External SiteRep01 developed

NEOC Incident Action Plan 01 developed

NEOC Section Teams**Operations Section**

Contacted relevant response agencies to provide SITREPs into NEOC

Referred Health Sector SitRep01 & SitRep02 to Logs & Planning Sections

Confirmed availability of MNRE 70 & MNRE 19 for NEOC operations

Facilitate the sourcing of vehicles and seconded staff for data entry to MoH for mass vaccination plan

Finalise list for Phone Credit of MoH personnel

Finalise list of 25 vehicles and drivers

Finalise list of 40 personnel for data entry

Confirm a statistician & GIS from SBS to assist Planning - to be confirmed from Intel & Planning

Draft letter to Shipping company as per request from MoH (inter-island) – need SAA & SPA support for this

Draft letter for Plumbers Association as per request from MoH to support maintenance

Draft letter for IPES as per request from MOH to support maintenance

Draft letter of request for MOF for mattresses used during the SPG

Ensure MSU is erected and activated when VP is executed

Ensure petrol arrangement for vehicles deployed from NEOC are in place

Ensure vehicles for NEOC operations is made available

Seconded staff from MNRE to be made available for NEOC operations

Resources Needed

Communication

Transfer 997 to Post Office

Check Internet connection

Radio handset for MoH and Lameko

Radio check

Planning Section

Developed reporting timeline to be aligned with NDC meetings every second day

Developed External SitRep01

Developed IAP01

Provided Mapping support to Health Sector

Resources Needed

Database of updated population data to assist with mapping outputs

Logistic Section

Establish plan of priority actions for the section daily

Liaise with seconded staff i.e from MNRE, MoF and Audit to implement procurement of prioritized resources identified by MoH

Establish confirmed list of available resources in storage

Disposable coveralls

Protex soaps

Mobile Storage Unit (MSU)

Have acquired SRCS to erect unit within their compound

Resources Needed

- List of wholesale stores pre-identified by DMO for disaster response for food items
- Staff welfare items
- Food
- Water
- Tea items
- Toiletries
- Total Number of MoH field teams
- Total Number of NEOC Staff

Community Welfare Section (CWS)

Seconded staff to CWS Unit has been informed to assist with operations

Confirmed CWS operations with MoH

CWS to select and inspect 15 community centres and church halls to be used as vaccination centre for high risk areas

Contact site locations for mass vaccination fixed sites

Overall agencies involved at NEOC

MoH

SFESA

SRCS

MoR

MNRE

MFAT

STA

MCR

MoF

Audit Office

2.0 Health Sector Update

With the Proclamation of Emergency Article 105 Constitution of the Independence State of Samoa, the Ministry of Health has mobilized a coordinated targeted campaign to protect the health of the community through a mass vaccination programme, public awareness campaign, and specific approaches to contain illness spread, and improve access to services. The Ministry is approaching this with the assistance of its internal and external stakeholders and is reporting now directly to the National Emergency Operations Centre (NEOC) at DMO.

Current Situation

- A total of 997 measles cases have been reported to the Disease Surveillance Team (65 in the last 24 hours)
- There have been 15 measles-related deaths (3 in the last 24 hours) since the outbreak, 16 October 2019.
- Approximately 89% of measles cases reside in Upolu, densely distributed in the Vaimauga West and Faleata West Districts
- Admissions remain highest in the less than 5 year old age group
- Total admissions (cumulative) of 443; majority in TTM Hospital and currently 127 measles cases are in-patients, including 98 in TTM and 29 in other hospitals.
- TTM has 11 measles cases in ICU/HDU. Three have been transferred today (as at date and time of MoH SitRep02 to the new mobile isolation HDU negative pressure ward established by AusMAT.
- APCC commenced 24-hour measles clinic from 15/1/19 – 102 measles cases seen in first 24 hours.
- All ICU and makeshift HDUs are full. Old surgical wards and old Physiotherapy wards converted into isolation spaces are also full. Leulumoea 4-bed capacity hospital has 21 patients with measles.
- List of needs identified from the vaccination plan
- International needs identified (email sent to MFAT through CEO)
- 25 vehicles VANS needed for implementation of vaccination plan. Email sent to DAC core members / CEO to confirm number of vehicles and staff
- 2 vans confirmed from MOR
- 2 vans from MNRE
- 40 data entry personnel. Email sent to DAC core members / CEO to confirm officers for Data Entry
- 10 officers from MNRE
- Phone credits
- compiling MOH list of personnel & NEOC list of personnel before sending to Digicel & Bluesky through NEOC procedures from Ops
- CEO / DG confirmed liaison officers and team to the NEOC
- CEO / DG confirmed coordination using NEOC procedures

Plan of Action

- Targeted plan for mass vaccination: aged 4 years and less, 15-19 years, and women 20 to 35 years.
- The estimated number in the target cohorts is approximately 70,000 people. MOH has requested additional MR and MMR vaccines through UNICEF to

support vaccination of the entire vaccine cohort.

- Increased access to services
- extended hours for TTM at APCC – to 24 hours for measles cases only
- Vaccination at fixed sites and outreach teams in Upolu and Savaii with good uptake in the target groups.
- Make-shift hospital and refurbishment of old MoH buildings to cater for overflow of inpatients
- Vaccination at fixed sites and outreach teams in Upolu and Savaii
- Immediate closure of all schools (government, mission and private)
- Enforcement of no children policy at all health facilities
- Restricted hospital visitors – 1 caregiver per patient
- Restriction – on public community gatherings

Current Resources

- MOH
- Public health
- Hospital clinical services
- Policy and regulatory teams
- Partners

Name	Resources Committed
WHO	2 technical staff plus risk communicator
UNICEF	2 technical staff plus risk communicator
DFAT/AUSMAT	AUD \$100,00 Public health awareness Refurbishment of old admin building (adjacent from main hospital) to be used as an overflow area to main hospital 38 AUSMAT staff and a Crisis team 8 bed negative pressure mobile isolation ward 5 tents to assist in the triaging and isolation of patients in regional hospitals 3 ICU donation boxes 4 Medical donation boxes 1 resus kit with medicine and supplies
MFAT/NZMAT	20 staff members, which includes 12 nurse vaccinators with portable cold chain, a team to be based in Leulumoega 3000 doses MMR, 30x 100 mask/box of 95 masks, 300x bottles of sanitizers 375mls, 10,000 isolation gowns, 25x stretcher beds, 6x vaccine approved fridges plus battery.

Immediate Needs

A full summary of urgent resources needed is available from the NEOC. The items below were reported to the NEOC in the MoH SitRep02

- Response resources
- Helicopter with crash team for critical patient medivac to be on standby
- Personal Protective Equipment (PPEs)
- Disinfection chemicals and antiseptics
- Maintenance personnel for hospital renovations (builders, plumbers,

electricians)

- Police for crowd control and maintaining peace at all hospital and temporary clinic locations
- Mass Vaccination Plan resources
- Transportation support for mass vaccination
- Statistician from SBS to assist with identification of districts and mapping of vaccination plan
- Personnel support for vaccination data entry
- Refreshments for vaccination teams
- Awareness Banners for vaccination teams & household vaccination status identification stickers
- Field team ID tags/lanyards
- Megaphones
- Flash drives
- Toners and stationeries

Other matters

- Vaccination plan to be implemented on Tuesday 19th Nov 2019
- Submit sector situation report to NEOC daily
- A formal list of urgent immediate needs request for international assistance has been submitted to MFAT for processing

3.0 SFESA Update

Responded for the last 10 days – ambulance crew shifted from normal response mode to a daily basis to higher level which mandatory for the ambulance crew to do extra PPEs (disposable gowns) and ensure cleaning chemicals and gears are applied before and in the completion of each case

Plan of Action

ambulance continues to response to all calls from the public requesting ambulance assistance including suspected measles patients – extra PPEs for the ambulance and crew and face mask has been given to the patient and family member during the response

Current Situation

As of the last 24 hours as from Saturday 16th Nov 0900 hours – Sunday 17th Nov a total of 10 ambulance responses 3 of those calls were measles suspected cases

Resources Available

3 x Ambulance at 3 fire stations = Apia, Faleata and Maota at Savaii
 1 x Ambulance on Stand-by (Apia Station)
 1 x Ambulance Crew on each available (8 hours day & 16 hours night)

Resources Needed

10 boxes of disposable gowns / 10 boxes of face masks / 10 boxes of gloves / hand

sanitations & cleaning chemicals / fully encapsulated suits for serious cases

Personnel involved

Commissioner (Lelevaga)

A-Com (Tanuvasa)

Commander Medical (Afato)

Paramedic officer & trainer (Krystelle)

Response Gap

clear direction where to take suspected measles patients apart from other emergency calls

Other matters

supply of oxygen for the ambulance oxygen cylinders & radio communication network

4.0 Tourism Sector Update

The STA Cultural Village bookings and tours have all been cancelled until further notice STA Cultural Village is available to be used as fixed site for the vaccination campaign. A number of staff members who are willing to assist with the data entry works to be confirmed. 3 vehicles and drivers have been made available for the purposes of the vaccination plan.

For more information and offers of assistance please email NEOC to dmosamoa@gmail.com

Safuta Toelau Iulio

Acting Chairman of DAC

Annex 2.2: NEOC Section Action Plan**NEOC SECTION ACTION PLAN**

1. Action Plan Number	2. Action Plan as at:		ACTION PLAN COVER SHEET
No 1	Date / Time	Monday 18 th November 2019	
3. NEOC			4. Originator Record #
Matafele NEOC (Post Office location)			01
5. Operational Period covered by this Action Plan:			
Monday 18 th Nov 2019 – Tuesday 19 th Nov 2019			
6. Approved for release by Controller:			
Name:		Signed:	Date/Time:
Amituanai Lameko Simanu			

7. Situation Summary

A Measles epidemic was declared on the xxxx. A Proclamation of a State of Emergency was established for all of Samoa. The National Emergency Operations Center (NEOC) was activated 9pm Friday 15th November 2019 and has been working together with the Health Emergency Operation Center (HEOC) to facilitate coordination of response activities.

8. Action Taken

NEOC activated for 24hrs operations
 NDC had carried out their first meeting at 9:30am on Saturday 16th Nov 2019
 Have directed DAC to provide updates every second day on activities implemented
 Have directed MoH to compile a detailed plan of action for mass vaccination
 DAC had convened at 12:30pm Saturday 16th Nov 2019
 Briefing of agencies on current situations and directives from NDC
 Development partners have updated their current list of resources supplied to MoH
 Development partners are on
 NEOC & MoH confirmed plan of action for response
 Vaccination plan sites and logistics
 NEOC SitReps 1 developed and submitted

9. Overall Goal

Coordinated and collaborative approach by all agencies to respond effectively to control the outbreak.

10. Objectives

- Set up national coordination and communication between relevant agencies;
- Establish a coherent plan of action for response

11. Limiting Factors

- Budget constraints for implementation
- Urgent resources (procurement)

12. Specific Tasks**Operations Section**

- To finalise list for Phone Credits
- To finalise list of 25 vehicles and drivers
- To finalise list of 40 personnel for data entry
- Confirm a statistician from SBS to assist Intel - to be confirmed from Intel & Planning
- Confirm a GIS technical personnel from Intel & Planning section
- Draft letter to Shipping company as per request from MOH (inter-island) – need SAA & SPA support for this
- Draft letter for Plumbers Association as per request from MOH to support maintenance
- Draft letter for IPES as per request from MOH to support maintenance
- Draft letter of request for MOF for mattresses used during the SPG
- Ensure MSU is erected and activated when VP is executed
- Ensure petrol arrangement for vehicles deployed from NEOC are in place
- Communication resources to be implemented
- Transfer 997 to Post Office
- Check Internet connection
- Radio handset for MoH and Lameko
- Radio check

Planning Section

- Collate internal section sitrep 03
- Prepare external sitrep 2
- Develop IAP02
- Develop GIS outputs for MoH
- Get updated list of vaccination teams i.e numbers and villages
- Get updated aggregated number of measles cases per district
- Finalize vaccination plan villages map and overlay health facilities & fixed sites locations
- Get updated population census data from SBS for mapping of vulnerable groups by village/district

Logistic Section

- Facilitate procurement of resources per list in Appendix 1 to execute the National Vaccination Plan and NEOC Incident Action Plan 1.
- Procurement of Immediate Need List in Appendix 1 in compliance with the GoS procedures
- Coordinate and transport MSU for installation at the Samoa Red Cross HQ in collaboration with Operation Section
- Sort and distribute protection gears to requesting response agencies- SFESA
- list of incoming resources and personnel by MoH for records and assistance
- coordinate establishment of mobile storage unit as a temporary special booth for vaccination admission
- coordinate procurement of petrol for vehicles for mass vaccination activities
- coordinate procurement of refreshments for vaccination teams & NEOC
- coordinate procurement of NEOC & HEOC stationeries
- facilitate with MoF financial resources to support response efforts

Community Welfare Section

- Liaise with Ops for logistics for community mass vaccinations
- Confirm locations
- Contact site locations
- Carry out inspections of selected fixed sites for structural stability and overall sanitation
- Emergency Communication Section
- Distribute radio handsets to appropriate response agency personnel
- Carry out regular testing of radio handsets for NEOC staff and response agencies
- Carry out maintenance of communication resources needed

13. Resource Needs

Budget support

14. Information Flow

14.1 Disaster Advisory Committee;
14.2 Response agencies and sectors;
14.3 National Disaster Council;
14.4 NEOC for dailiy updates

15. Prepared by:

NEOC Date/Time: 18 Nov 2019 9am

Annex 3: Immediate Needs for Vaccination operation identified by MoH

Annex 3.1: Full list of Immediate Needs

Items	Good or Services Required	Qty	Immediate Response or Recovery	Immediate (72hrs) or Recovery (1-3mths)
Emergency Support Service	Helicopter	1	ALL IMMEDIATE	ALL IMMEDIATE
Lab Supplies	Recliner chairs	10		
	Patient Trolleys	2		
	IV Stands	112		
	Cardiac Monitors	21		
	Infusion Pumps	54		
	Paeds Wheel Chair	10		
	Adults Wheel chair	15		
	Scales	8		
	ECG Machine	4		
	Staff lockers	30		
	Portable Oxygen	2		
	Baby cots	4		
	Nebulizer Machine	9		
	Air Voe	20		
	CPAP	5		
	Ventilators for ICU			
	Manual Sphygmanometer	10		
	Syringe pumps	8		
	CV Lines	300		
Lab Spare parts:	UPS (Laboratory)	10		
	N95 masks	250 boxes		
Vaccines	MMR	50,000		
	MR	80,000		
	AD (0.5ml) Syringes	80,000		
	5 ml mixing / reconstitution syringes	130,000		
	MR Dilutants	130,000		
Personnel	Vaccinators	50		
Support Services	Vaccine Carriers for vaccination teams	80		
	Ice packs	20		

	AEFI Kits	100		
ICU Equipments	Airvo Humidifier Hospital AZ	20 EACH		
	Mobile Pole Stand	20 EACH		
	Tray Pole Mount Airv	20 EACH		
	CCT Adult INSP2+ EVQ2	50 PAC		
	CCT kit dual HTD loe flow	50 PAC		
	Circuit Kit Adult Bi/CPAP 10BX	50 PAC		
	Small SU Face Mask Vented	10 PAC		
	Medium SU FACE MASK VENTED	10 PAC		
	LARGE SU Face Mask Vented	12 PAC		
	Breathing Tube PT100 Hosp	50 PAC		
	880 Nasal Interface Adult Small	10 PAC		
	Humid Nasal Interface Adult Medium	10 PAC		
	Humid Nasal Interface Adult	10PAC		
	Junior Tube and Chamber Kit	50PAC		
	CANNULA OPTIFLOW INF	12 PAC		
	CANNULA OPTIFLOW PAEDIATRIC	13 PAC		
	Infant Delivery SYS-SMCP	50 PAC		
	Nasal Tubing Universal 50MM	40 PAC		
	Nasal Tubing Universal 100MM	30 PAC		
	NASAL PRONG 3020	20 PAC		
	NASAL PRONG 3520	10 PAC		
	NASAL PRONG 4030	10 PAC		
	NASAL PRONG 4540	10 PAC		
	Mask Small Bubble	15 PAC		

	CPAP			
	Mask Med Bubble CPAP	20 PAC		
	Mask Large Bubble CPAP	15 PAC		
	BONNET MIDLINE 17-22CM	30 PAC		
	BONNET MIDLINE 22-25CM	20 PAC		
	BONNET MIDLINE 25- 29CM	20 PAC		
	HEADGEAR MIDLINE 29 – 36CM			
	HEADGEAR MIDLINE 29-36CM			
	HEADGESR MIDLINE 29-36CM	30 PAC		
	HEADGEAR MIDLINE 35-40CM	30 PAC		
	HEADLINE MIDLINE 40-45CM	40 PAC		
	CHINSTRAP 20 – 26CM	20 PAC		
	CHINSTRAP 26-32CM	10 PAC		
	CHINSTRAP 32-38CM	10 PAC		
	CHINSTRAP 38-44CM	10 PAC		

Annex 3.2: International assistance confirmed received as of 17 November 2019

Agency	Type of Assistance	Confirmed	Not Confirmed	Action/Comment
WHO	2 technical assistance	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
	Risk communicator	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
UNICEF	2 technical assistance	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
	Risk communicator	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
DFAT/AUSMAT	Mobile hospital catering 8 patients	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	MoH SITREP #1
	Infrastructure assistance for Isolation Ward	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Old Administration Building (MoH SITREP #1)
	AUD100,000	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	To support the Ministry's public health interventions for the measles epidemic for: public health awareness raising through media and to refurbish the "old administration building" (adjacent to the main hospital) to be used as an overflow area to the main hospital. (MoH SITREP #2)
	38 AUSMAT staff		<input type="checkbox"/> No	MoH SITREP #2
	Crisis team	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
	8 bed negative pressure mobile isolation ward	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
	5 tents	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	To assist in the triaging and isolation of patients in regional hospitals (MoH SITREP #2)
	3 ICU donation boxes	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
	4 medical donation boxes	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
	1 resus kit with medicine and supplies	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
	A team to be based in Leulumoea	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Details TBC (MoH SITREP #1)
MFAT/NZMAT	20 staff members	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes		Includes 12 nurse vaccinators with portable cold chain, a team to be based in Leulumoea. (MoH SITREP #2)
	3000 doses MMR		<input type="checkbox"/> No	30x 100 mask/box of 95 masks (MoH SITREP #2)
				300x bottles of sanitisers 375mls
				10,000 isolation gowns
	25x stretcher beds	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
	6x vaccine approved fridges plus battery	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	MoH SITREP #2
		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Two (2) medical doctors -one a Paediatrician and the other a Rural Hospitalist (MoH SITREP #2)
	NZ MAT clinical surge team			Four (4) to six (6) nurses -one a midwife and one a vaccinator
				Two (2) logisticians
				Four(4) other medical staff to be identified depending on need and gaps identified in healthcare

Annex 4: Orders of State of Emergency



GOVERNMENT PRESS SECRETARIAT

Email: pressoffice@mpmc.gov.ws Telephone: (685) 24799



Orders of State of Emergency

GOVT. PRESS SECRETARIAT; In view of Samoa being in a State of Emergency, the following ORDERS, are in effect immediately pursuant to Article 106 of the Constitution:

- (a) that MMR vaccinations for members of the public who have not yet received a vaccination injection, is now a mandatory legal requirement for all of Samoa.
- (b) that the Ministry of Health (through the resolution of the Disaster Advisory and National Advisory Committee) is to publish its program and schedule for the new vaccination program by Monday 18th November. This must include the confirmation of:
 - a. Location;
 - b. Dates for vaccinations for each Location;
 - c. Modes of Transport (where available);
 - d. Age brackets that will be prioritized;
 - e. Any other health precautions required for the members of the public.
- (c) that all schools in Samoa including the National University of Samoa (NUS) are **closed** forthwith, until further notice; and all Government administered examinations that were pending are hereby **postponed** until further notice.
- (d) that all public gatherings cannot henceforth include the presence of children up to the age of 17.
- (e) that at all National Hospitals, only one (1) family member caregiver can attend to the care of any person who is hospitalized anywhere in Samoa.
- (f) that unless they are requiring medical attention, no child under the age of 18 can attend to any medical facility.

- (g) That the Ministry of Police are ordered to keep the peace, support staff and families of the hospitals, and attend to assisting the National Hospitals to assist with monitoring the visitors.
- (h) All public servants are to attend to their jobs and responsibilities, until any further notice.

The Orders of State of Emergency are in effect immediately as of today following the endorsement by the Member of the Council of Deputies Afioga Le Mamea Lemalu Su'a Tuiletufuga Leatuavao Ropati Mualia , acting in the absence of the Head of State and after consultation with Cabinet.

Annex 5: Seconded Staff to NEOC

Terms of Reference for Seconded Staff are stipulated in the NEOC Standard Operating Procedures

Agency	Responsibility	NEOC Section
Ministry of Health	Coordination of Operations and updating Action Plan for Operations	Operations Section Logistics Section Intel and Planning Section
Ministry of Foreign Affairs and Trade	Coordination of International Assistance	Logistics Section
Ministry of Women, Community and Social Development	Community Welfare	Community Welfare Section
Ministry of Agriculture and Fisheries	Border Security	Operations Section
Samoa Ports Authority	Border Security	Operations Section
Samoa Airports Authority	Border Security	Operations Section
Ministry of Prime Minister and Cabinet	Border Security Press Secretariat	Operations Section Legal and Public Information Management Section
Ministry of Customs and Revenue	Border Security	Operations Section Logistics Section
Samoa Red Cross Society	Vaccination Operation and First Response	Operations Section Logistics Section
Samoa Fire and Emergency Services Authority	First Response	Operations Section
Ministry of Police	Public safety and security	Operations Section
Ministry of Finance	Procurement and Budgeting	Logistics Section
Samoa Audit Office	Auditing	Logistics Section
Samoa Public Commission	Public Administration and resource mobilization	Operations Section Logistics Section
Samoa Bureau Statistics	Data management	Operations Section
Ministry of Education, Sports and Culture	Public Safety	Operations Section Community Welfare Section Logistics Section