

This Situation Report is jointly issued by PNG National Department of Health and World Health Organization once weekly. This Report is not comprehensive and covers information received as of reporting date.

Situation Summary and Highlights

- One new case of COVID-19 was confirmed in PNG on 20 June. The case is a foreign resident of Port Moresby. About 50 contacts have been identified and on quarantine, and contact tracing is ongoing. To date, PNG has a total of 9 cases, affecting five provinces.
- On 17 June, PNG Governor-General Grand Chief Sir Bob Dadae, by the powers conferred by National Pandemic Act 2020, acting with and in accordance with advise of National Executive Council, appointed Police Commissioner David Manning as Controller and Acting Health Secretary Paison Dakulala as Deputy Controller.
- The appointment was followed by issuance of seven (8) new national pandemic measures aimed at enhancing Government's COVID-19 response (See Annex A).
- Syndromic surveillance reporting and testing have improved, but evident gaps remain. For the period of 12 to 18 June, the average national submission rate for daily COVID-19 surveillance reporting is 34% (versus 44% last week).

COVID-19 IN PAPUA NEW GUINEA

	New Cases	Total
National Capital District	1	2
Eastern Highlands	0	1
East New Britain	0	2
Morobe	0	1
Western	0	3
TOTAL	1	9

COVID-19 GLOBAL AND REGIONAL UPDATE*

	Confirmed Cases	Deaths
Global	8 385 440	450 686
Western Pacific	203 230	7 270

Source: WHO Situation Report # 151, data as of 19 June 2020

Surveillance and Points of Entry

- Suspected COVID-19 (including SARI) are being reported daily from provinces however while completeness of reporting is increasing, reports and collection of samples may not be representative enough to strongly evidence the current transmission assessment.
- For the period of 12 to 18 June, eight (8) provinces (East Sepik, Autonomous Region of Bougainville, West Sepik, West New Britain, Eastern Highlands, Enga, Madang and Gulf) have achieved over 80% reporting. During the same period, four (4) provinces (New Ireland, Oro, Milne Bay and Western Highlands) did not submit any reports.

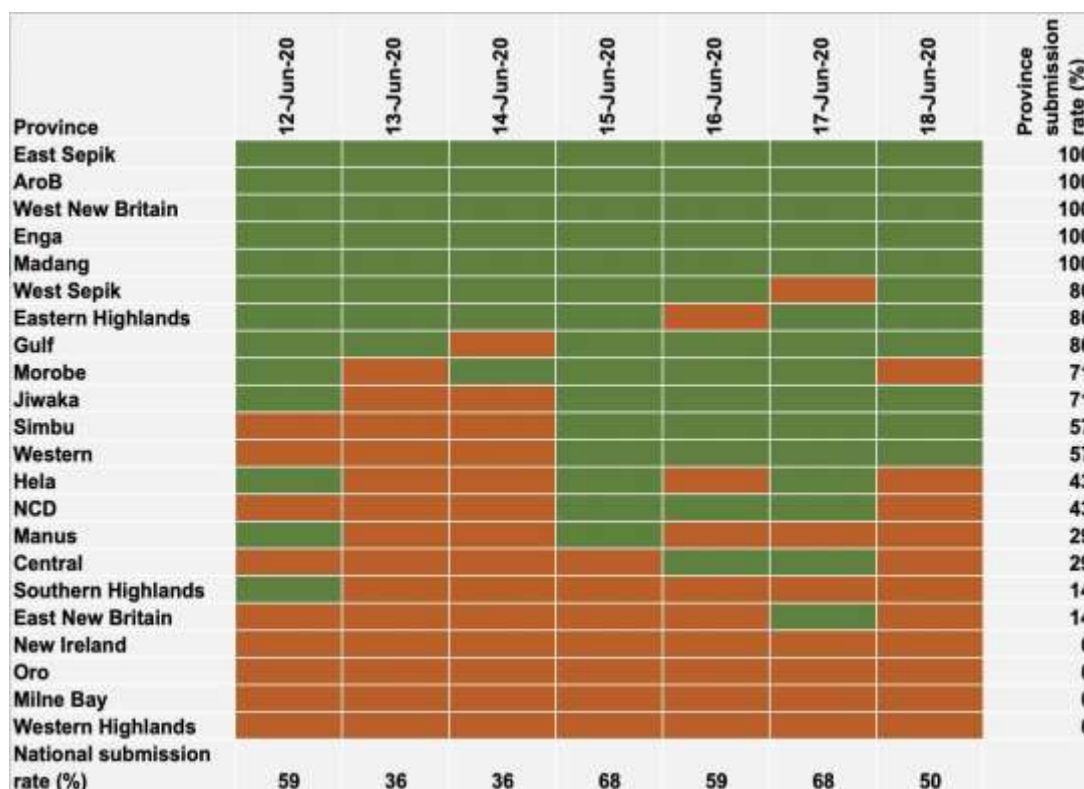


Figure 1. Daily COVID-19 Surveillance Reporting by Province

- Papua Province in Indonesia is reporting an increasing number of COVID-19 cases in areas that border West Sepik Province and North Fly District in Western Province. While the border is officially closed, it is porous and there is high risk of importation of COVID-19 cases. As of 18 June, the province has reported a total of 1 344 confirmed cases.



Figure 2. Location of Confirmed COVID-19 Cases in Papua New Guinea by District (as of 20 June) and New Cases Reported in Papua Province of Indonesia (in the past 24 hours)

- As of 19 June, a total of 5637 samples were collected for COVID-19 PCR testing.

Cumulative Report	
Total number of samples collected	5637
Number of samples tested with available test results	5389 (96%)
Number of samples with lab results pending	248 (4%)

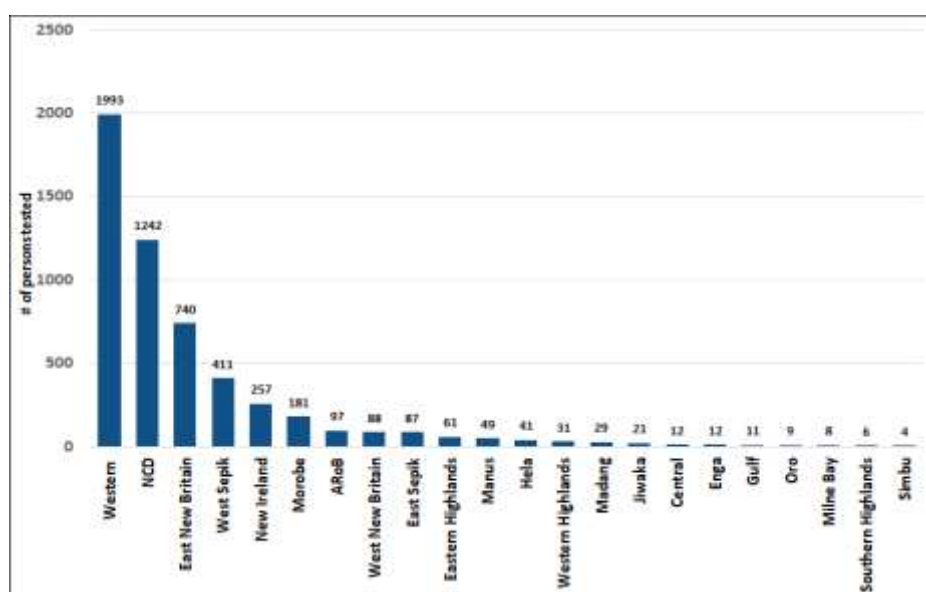


Figure 3. Number of COVID-19 PCR Lab Results by Province from January to 19 June 2020 (n=5389)

Source: NCC RRT Dashboard as of 18 June, 10PM

- From 5 to 16 June, the total number of persons in quarantine (PIQs) is 428. As of 18 June, NCC monitors were able to speak with and successfully check on symptoms of 398 (94.1%) PIQs.

Table 2. Persons Screened by Point of Entry		
Total Number of Travelers Screened before SOE (until 22 March)	29 387	
Total Number of Travelers Screened during SOE (23 March – 16 June)	3392	
Total Number of Travelers Screened after SOE (as of 19 June)	Air	139
	Sea	0
	Land	0

Clinical Management and Infection Prevention and Control

- The data available at the national level in terms of number of facilities for COVID-19 pre-triaging, quarantine and isolation are based on the responses of provincial authorities to the Provincial Preparedness Checklist (PPC) and the questionnaires (based on PPC) filled out by the provinces and/or interview of provincial staff by NDOH regional coordinators. Additional sources of information include the records of assessment for medical and non-medical equipment, laboratory diagnostics, health workforce and financial resources from stakeholders and partners. The data is undergoing validation.

Table 3A. Number of Facilities and Beds for COVID-19

Health Facilities	Number of Provinces	Number of Beds	Provinces Reported	Provinces to Confirm
Pre-triage facilities	17	-	ARoB, ENB, Manus, NI, WNB, ES, Madang, Morobe, WS, EH, Enga, Hela, Central, Gulf, NCD, Oro, Western	Jiwaka, Simbu, SH, WH, MB
Quarantine facilities	10	76*	ENB, ES, Madang, Morobe, WS, EH, Hela, Jiwaka, SH, NCD, Oro, Western	ARoB, NI, Simbu
Quarantine facilities (underway)	16	129	ENB, Manus, WNB, Madang, ES, Morobe, WS, EH, Enga, SH, WH, Central, Gulf, MB, Oro, Western	
Isolation facilities	16	270	ENB, Manus, NI, WNB, ES, Madang, Morobe, WS, EH, Enga, Hela, Jiwaka, WH, MB, NCD, Oro, Western	Simbu
Isolation facilities (underway)	19	85	ARoB, ENB, Manus, NI, WNB, ES, Morobe, WS, EH, Hela, Enga, Jiwaka, SH, WH, Central, Gulf, MB, Oro, Western	
ICU	13	74	ENB, Manus, Madang, Morobe, WS, EH, Hela, Simbu, SH, WH, MB, NCD, Western	ARoB, NI, WNB, ES, Enga, Jiwaka, Central, Gulf, Oro

Autonomous Region of Bougainville (ARoB), East Sepik (ES), East New Britain (ENB), Eastern Highlands (EH), Milne Bay (MB), National Capital District (NCD), New Ireland (NI), Southern Highlands (SH), West New Britain (WNB), Western Highlands (WH), West Sepik (WS)

* There are unknown number of beds in hotels used for quarantine.

Table 3B. Number of Beds for Inpatient Facilities (as of April 2020)							
Province	District	Facility	No of Beds	Province	District	Facility	No of Beds
Morobe Region				Highlands Region			
East Sepik	Maprik	Maprik	123	Eastern Highlands	Goroka	Goroka	306
	Wewak	Boram	254		Okapa	Okapa	
Madang	Madang	Modilon	281	Enga	Kandep	Kandep	12
Morobe	Lae	Angau	560		Kompiam	Kompiam	53
West Sepik	Vanimo - Green River	Vanimo	96		Laigap-Porgera	Paiam	82
					Wabag	Wabag	82
Southern Region					Wapenamanda	Mambisanda	134
Central	Rigo	Kwikila	19	Hela	Tari	Tari	86
Gulf	Kerema	Kerema	36	Jiwaka	Angalimp - South Wahgi	Kudjip	129
Milne Bay	Alotau	Alotau	160	Simbu	Kundiawa	Kundiawa	250
NCD	Moresby North East	POM General	1096	Southern Highlands	Ialibu - Pangia	Ialibu	32
Oro	Ijivitari	Popondetta	109		Mendi	Mendi	425
Western	Middle Fly	Balimo	69	Western Highlands	Mt Hagen	Mt Hagen	252
	North Fly	Kiunga	49		Bayer - Mul	Tinsley HC	74
	South Fly	Daru	109				
New Guinea Islands Region							
ARoB	Kieta Central	Arawa	*	Manus	Lorengau	Lorengau	92
	Buka North	Buka	*	New Ireland	Kavieng	Kavieng	106
East New Britain	Kolopo	Vunapope	200	West New Britain	Talasea	Kimbe	271
	Rabaul	Nonga	213				
Source: NHIS as of April 2020; * For confirmation							

Source: NHIS as of April 2020; * For confirmation

- A team of technical officers from NDOH and WHO continues to roll out the comprehensive training on clinical management, infection prevention and control (IPC), surveillance, rapid response and risk communication.
- Most of the provincial trainings were conducted together with awareness and sensitization activities for health workers, other government employees like teachers, disciplinary forces, NGOs, business houses, and other stakeholders. Some provinces have conducted their own trainings, but with varied scope and content.

No	Province	Status	Date	No	Province	Status	Date
1	National Capital District (TOT)	Completed	26-27 March & 9 April	14	Eastern Highlands	Completed	25-27 May
2	Hela (Online)	Completed	23 April	15	Simbu	Completed	28-30 May
3	AROB (Online)	Completed	27-29 April	16	Oro	Completed	31 May – 5 June
4	West Sepik	Completed	2-3 May	17	Jiwaka	Completed	1-3 June
5	Western (Kiunga)	Completed	5-6 May	18	Western Highlands	Completed	4-6 June
6	Madang (Online)	Completed	6-7 May	19	East Sepik	Completed	7-15 June
7	East New Britain	Completed	18-20 May	20	Enga	Completed	8-10 June
8	Morobe (Lae)	Completed	21-22 May	21	Milne Bay	Completed	8-12 June
9	Morobe (Bulolo)	Completed	23-24 May	22	Southern Highlands	Completed	11-13 June
10	New Ireland	Completed	22-25 May	23	Central	Scheduled	22-24 June
11	West New Britain	Completed	28-30 May	24	Manus	Scheduled	22-26 June
12	Madang	Completed	28-30 May	25	Gulf	Scheduled	29 June – 3 July
13	Western (Daru)	Completed	25-29 May				

No.	Province	Total	No.	Province	Total
MOMASE REGION			NEW GUINEA ISLANDS REGION		
1	Madang	346	12	AROB	37
2	Morobe	425	13	East New Britain	236
3	East Sepik	92	14	Manus	49
4	West Sepik	200	15	New Ireland	320
HIGHLANDS REGION			16	West New Britain	328
5	Eastern Highlands	114	SOUTHERN REGION		
6	Enga	132	17	Central	276
7	Hela	81	18	Gulf	30
8	Jiwaka	73	19	Milne Bay	94
9	Simbu	**	20	NCD	**
10	Southern Highlands	367	21	Oro	**
11	Western Highlands	782	22	Western	71

Communication, Community Engagement and Non-Pharmaceutical Interventions (Social Measures)

- National Communication Plan for COVID-19, with focus on risk communication, community engagement, application of NPIs, and addressing psychosocial needs in the communities, has been implemented at the national level and guided planning and implementation in the provinces.
- The Government, with support from WHO, endorsed for implementation a policy paper on “New Normal in the COVID-19 Pandemic – Niupela Pasin (New Way)”. Various information and communication products are being developed for various target audiences.
- Provincial teams continue to conduct mass awareness activities on COVID-19 using local radio and community dialogue and meetings. Messaging related to other health issues such as immunization, dengue prevention and control continues to be disseminated at the national and provincial levels.
- Education and health sectors, church partners and NGOs are working together to develop communication materials for the schools.
- The NDOH, in partnership with the Department of Information, Communication and Technology, has been conducting a program that runs on Mondays, Wednesdays and Friday.

Social Measures	Date first implemented	Date last modified	Monitoring Status			
			Implementation		Partial lift	Lifted
			Geographical (national or sub-national)	Recommended or Required	Lifted for some area	Lifted for all areas
Wearing Face Masks, Hand Hygiene, Respiratory Etiquette	16 January*		National	Recommended	No	No
School Closure	23 March	5 June	National	Required	Yes	Yes
Workplace Closure	23 March	4 May	National	Required	Yes	Yes
Mass Gatherings	23 March	2 June	National	Required	Yes	No
Stay at Home	23 March	4 May	National	Required	Yes	Yes
Restrictions on Internal Movement (within country)	23 March	13 May	National	Required	Yes	Yes
Restrictions on International Travel	14 February	22 March	National	Required	No	No
Others; specify in narrative						

* First social media post done; not applicable for wearing face mask

Logistics and Supplies

- Under World Bank-supported PNG COVID-19 Emergency Response Project, procurement is undertaken by UNICEF and UNOPS. Under UNICEF, the following are in process of procurement: (1) personal protective equipment; and, (2) equipment and consumables for waste management including 9 incinerators. Under UNOPS, the following are in the process of being procured: (1) GeneXpert machines and consumables (10 GenExpert machines including laptop; 15 000 cartridges; 10 incinerators; 10 scrubbers; 1 portable gas analyser); (2) PCR and accessories (2 PCR machines; 10 biosafety cabinets; 1 containerized PCR laboratory; 25 000 generic lab test kits and reagents, equipment and consumables compatible with PCR machines); and, other equipment (16 oxygen concentrators for each of 20 provincial hospitals including accessories; solar panels for 3 provincial hospitals; 10 invasive bedside ventilators). The type of incinerator to be procured by both agencies under World Bank support will be of same type. At the request of NDOH, there is a plan to increase the number of biosafety cabinets from 10 to 27 in order to cover all provincial laboratories.
- The following are totals of PPEs UNICEF has provided, either received in country or are in transit to country: (1) gowns – 43 400; (2) protective goggles – 20 555; (3) gloves – 201 000; (4) N95 masks – 100 500; (5) surgical masks – 229 000; (6) surgical caps – 12 000; (7) aprons – 1500; (8) face shields – 60 020; (9) coveralls – 5000; (10) thermometers – 120; and, (11) shoe covers – 2000.
- On 19 June, more than 1900 kg of assorted personal protective equipment were turned over by WHO to National Department of Health. The PPEs that were packed in 163 boxes included face masks, face shields, goggles, gloves and gowns for use by health workers at the district health facilities. In the last few weeks, 46 cartons of masks have already been dispatched to 22 provinces.
- The third batch of PPE purchased by Kumul Petroleum Holdings Limited was presented to State authorities on 20 June, which includes test kits, surgical masks and others.
- Total PPE supplies distributed to provinces shall be presented in the following Situation Report to cover the period of April to June 2020. Thereafter, updates shall be provided monthly. Below are the total number of supplies distributed across the country for the month of June as of 13 June.

	N95 Masks	Surgical Masks	Goggles	Gloves	Sanitizer	Coveralls	Gowns	Face Shields	Biohazard Bags	IR Thermometer	Sample Packing Boxes
Total	9450	96 00	4637	11 000	49	430	720	1440	4525	10	12



Figure 4. Minister for Health and HIV/AIDS Hon Jelta Wong and NDOH Acting Secretary Dr Paison Dakulala receives donated PPEs from WHO Representative in Papua New Guinea Dr Luo Dapeng

Funding and Expenditure

Table 8. COVID-19 Funding and Expenditure Summary by Fund Source (as of 12 June)			
No.	Funding Source	Initial Amount	YTD Expend
1	GoPNG: NDoH 2019 HIV/AIDS Reprogrammed Funds	3 299 651	2 071 488
2	GoPNG COVID-19 Funds 2020 from Treasury 2020	43 300 000	20 550 444
3	GoPNG COVID-19 Funds 2020 from Treasury (NOC)	2 000 000	1 296 135
4	DFAT Emergency COVID-19 Funding	21 452 845	18 250 000
4	UNICEF Contribution to COVID-19	218 728	98 498
5	WHO COVID-19 Surveillance Funds (for 22 Provinces)	634 240	634 240
6	Private Sponsors	1 181 001	1 108 500
7	New Zealand Government	6 298 800	-
Total Funds in HSIP		78 385 265	44 009 306

ANNEX A – Pandemic Measure Orders

Pandemic Measure Number	Title	Scope	Issuance Date
No. 1	International & Domestic Travel Measures	Definition and designation of First Port of Entry; entry of vehicle, vessel or aircraft coming into PNG only through First Port of Entry; entry of persons to PNG (including citizens and permanent residents) only by aircraft; suspension of traditional border crossing arrangements (with Indonesia, Australia, FSM, Solomon Islands); boarding of aircraft bound for PNG only with exemption in writing by Controller; quarantine of returning citizens and permanent residents at designated facilities (at Government's cost) or at designated hotels (at individual's cost); quarantine of non-citizens and non-permanent residents at designated hotels (at individual's cost); self-isolation of foreign diplomats at appropriate residence for 14 days; failure to adhere to self-isolation as offence under National Pandemic Act 2020 and declaration as persona non grata of those who fail to comply; quarantine exemption granted by Controller; requirements for compliance for self-isolation and quarantine; conditions for leaving a designated place prior to completion of 14days; authorized officials to ensure appropriate levels of surveillance and border monitoring systems; roadblocks to be established when directed by Controller; conditions for compliance of all domestic flights; no restriction of flights within PNG; non-restriction of travel by foot, vehicle and vessel between provinces	17.06.20
No. 1	International & Domestic Travel Measures Amendment	Additional hotel was added to designated quarantine facility by the Controller as listed in Control Measure No. 1	20.06.20
No. 2	Provincial Coordination Measures	Appointment of Provincial Administrators as Authorised Officers for implementation of measures in the respective provinces, and the Chief Secretary for AROB; set-up and composition of Provincial Advisory Committee; development of Provincial Response Plan consistent with National Response Plan; set up of Provincial Control Centre; daily required reporting of Provincial Administrators to the Controller; observance of safe health and hygiene practices as recommended by NDoH and PHA; provisions for provincial authorities to take additional measures such as curfews or fines	17.06.20
No. 3	Burial of Deceased Persons Measures	Controller's authority upon request of PMGH or PHA to direct a mass grave, designate its location and direct burial of deceased persons in the designated mass grave as well as requisition refrigerated shipping containers for the purpose of temporary interment; burial or temporary interment directed by Controller will be at Government's expense; PMGH or PHA to keep record of persons interred in designated grave or designated refrigerated shipping containers taken away from morgue they are responsible for	17.06.20
No. 4	Customs Duties Measures	Exemption from all customs duties and import duties of all incoming medical supplies procured on behalf of the Government until the end of the declaration of the pandemic; medical supplies shall be given priority and be released without delay	17.06.20
No. 5	COVID-19 Testing Measure	Testing equipment to be used for COVID-19 are RT-PCR, GeneXpert and rapid diagnostic test; approved organisations to conduct testing are NDoH, IMR, PHAs, PMGH and St John Ambulance; release of test results only with written authorisation of Controller; results to be made known to Controller within 24 hours after availability	17.06.20
No. 6	COVID-19 Surveillance & Testing Measures	National case definitions of COVID-19 and Severe Acute Respiratory Infection (SARI); all hospitalized/admitted cases of respiratory illness including pneumonia and all cases of SARI as suspected COVID-19 cases who should be tested within 24 hours of being admitted and managed using COVID-19 IPC protocols; requirement of daily report submission to Controller by PHAs, PMGH and all private hospitals; actions to be taken by PHAs when a cluster of respiratory illness or influenza-like illness cases are reported; requirement for PHAs to swab minimum of 5 patients with influenza like symptoms per week	17.06.20
No. 7	Business & Social Measures	No affiliated sporting codes shall train or participate in matches unless with approval from PNG Sports Foundation; responsibilities of PNG Sports Foundation are requirement to submit weekly report to controller; requirements for local religious activities in terms of social distancing and hygiene standards; banning of religious gatherings such as provincial and national church gatherings, crusades, conventions and provincial or national outreach programs; licensed gambling venues, nightclubs horse racing at listed venues to operate only on Wednesdays, Thursdays, Fridays and Saturdays; ban on gatherings of over 100 persons	17.06.20
No. 8	International Arrivals COVID-19 Measures	No person is permitted to board an aircraft bound for PNG unless tested for COVID-19 using RT-PCR within 14-day period prior to boarding and have returned negative result; requirement exemption can be given in writing by Controller; these measures do not apply to persons approved to enter PNG on or prior to 20 June	20.06.20

ANNEX B – Provincial Updates

Note: The data available at the national level in terms of number of facilities for COVID-19 pre-triaging, quarantine and isolation are based on the responses of provincial authorities to the Provincial Preparedness Checklist (PPC) and the questionnaires (based on PPC) filled out by the provinces and/or interview of provincial staff by NDOH regional coordinators. Additional sources of information include the records of assessment for medical and non-medical equipment, laboratory diagnostics, health workforce and financial resources from stakeholders and partners. The data is undergoing validation.

New Guinea Islands Region

Autonomous Region of Bougainville

Surveillance

Alerts from rural health centres	N/A
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	100%
No. of RRTs	N/A
Contact tracing team	N/A
Quarantine team	✓
Surveillance at POE	✓ ^{*2}

Laboratory functions

No. of samples sent ^{*3}	1
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	2 ^{*4}

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	3	-
Quarantine facilities	N/A	N/A	N/A
Quarantine (underway) ^{*6}	✓	N/A	N/A
Isolation facilities	✗	0	0
Isolation (underway) ^{*7}	✓	2	4
ICU	✗	0	0
ICU (underway) ^{*8}	✓	1	4

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	✓ ^{*9}
Awareness activities conducted	✓
Non-pharmaceutical interventions implemented	✓

Challenges

- Communication between AROB and the national call centre for following –up with persons under investigation.
- Resource limitation and engagement of police and health team at POE.
- Readiness in case management for COVID-19

^{*1} Between 12-18 June; ^{*2} Solomon Islands traditional border; ^{*3} Between 10-16 June; ^{*4} Buka & Arawa; ^{*5} Buka, Kieba and Arawa; ^{*6} Preparation for quarantine: Want tens if NDOH/partners can provide; ^{*7} Preparation for isolation facilities: Renovating Buka Hospital (4 beds) and Suhin Health Centre; ^{*8} Preparation for ICU: Renovating Buka Hospital (4 beds); ^{*9} Awareness reached all LLGs.

East New Britain

Surveillance

Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	14%
No. of RRTs	3 ^{*2}
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*3}	191
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	2 ^{*4}

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	5	-
Quarantine facilities ^{*6}	✓	1	3
Quarantine (underway) ^{*7}	✓	1	36
Isolation facilities ^{*8}	✓	1	5
Isolation (underway)	-	-	-
ICU	✓	1	3
ICU (underway)	-	-	-

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	✓
Awareness activities conducted	✓ ^{*8}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Low surveillance reporting between 12-18 June
- Stigma and discrimination in the community
- Pending laboratory results
- Readiness in case management for COVID-19
- Allowance payment to staff

^{*1} Between 12-18 June; ^{*2} Kokopo, Rabaul & Gazelle; ^{*3} Between 10-16 June; ^{*4} Nonga and Butwin; ^{*5} Nonga hospital, Butwin UC, Vanapope, Warangoi & Kerevat; ^{*6} Butwin UC; ^{*7} Renovation of the Hunter Team Lodge (36 rooms); ^{*8} The PHA started awareness of the stigma associated with COVID-19 in addition to the general awareness in villages in close collaboration with village councillors. COVID-19 awareness includes stigma reduction for multisectoral partners. Partnership with LLGs for awareness.

Manus

Surveillance

Alerts from rural health centres	N/A
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	29%
No. of RRTs	2
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*2}	1
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	No ^{*3}
No. of GeneXpert machines	1 ^{*4}

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*4}	✓	1	-
Quarantine facilities	✗	0	0
Quarantine (underway) ^{*5}	✓	1	24
Isolation facilities	✓	1	12
Isolation (underway)	-	-	-
ICU	✓	1	2
ICU (underway)	-	-	-

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	✓
Awareness activities conducted	✓ ^{*6}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Low surveillance reporting between 12-18 June
- No dedicated car or boat for operational activities for COVID-19 response (i.e. access to islands in Manus)
- No operational ambulance vehicle nor sea ambulance to transport confirmed cases
- Low PPE supply
- Readiness for quarantine of people who are suspected of having COVID-19
- Readiness in case management for COVID-19
- No provisions for psychosocial support for the health workers

^{*1} Between 12-18 June. ^{*2} Between 10-16 June ^{*3} Training planned ^{*4} Lorengau Hospital ^{*5} Under renovation (24 beds) ^{*6} Community awareness in 12 LLGs and other health programmes included COVID-19 awareness.

New Ireland

Surveillance

Alerts from rural health centres	N/A
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	0%
No. of RRTs	4 ^{*2}
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*3}	176
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	2 ^{*4}

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	6	-
Quarantine facilities	✗	0	0
Quarantine (underway) ^{*6}	✓	1	N/A
Isolation facilities	✗	0	0
Isolation (underway) ^{*7}	✓	1	6
ICU	✗	0	0
ICU (underway)	N/A	N/A	N/A

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	✓
Awareness activities conducted	✓ ^{*8}
Non-pharmaceutical interventions implemented	N/A

Challenges

- No surveillance reporting between 12-18 June
- Stigma in the community from a survey conducted
- Readiness in case management for COVID-19:
 - No quarantine & isolation facilities and ICU
 - No functional ventilators and oxygen concentrators
 - 3 ASOs (no anaesthetist) at this stage

^{*1} Between 12-18 June. ^{*2} Two RRTs in PHA/District & 2 RRTs in Lihir and Simberi. ^{*3} Between 10-16 June ^{*4} Kavieng Hospital & Lihir Medical Centre (TBC) ^{*5} Kavieng general hospital, Namatanai district hospital, Taskul HC, Kriadan HC, Lihir Medical Centre and Simberi Mine Clinic. ^{*6} Requesting tents from NDoH partners. ^{*7} Planned (6 beds). ^{*8} Two district health teams for reaching all the villages. A survey found a fair understanding of COVID-19. The provincial team started capturing messages related to stigma.

West New Britain

Surveillance	
Alerts from rural health centres	N/A
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	100%
No. of RRTs	2 ^{*2}
Contact tracing team	N/A
Quarantine team	N/A
Laboratory functions	
No. of samples sent ^{*3}	73
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	2 ^{*4}

^{*1} Between 12-18 June. ^{*2} One mobile team for outside response and one team for town/urban and close by areas, including three trained RRT members and a driver per team. ^{*3} Between 10-16 June. ^{*4} Kimbel Hospital and Bala District hospital. ^{*5} Surge plan still in draft and only one simulation exercise was done for the hospital response in early April. ^{*6} Town urban clinic, Kimbe hospital & Mutuvel stadium. ^{*7} Planned at Mutuvel Sporting Stadium. ^{*8} Yet to be equipped. ^{*9} The teams reached more than 78,400 people.

Health facilities ^{*5}	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*6}	✓	3	-
Quarantine facilities	✗	0	0
Quarantine (underway) ^{*7}	✓	1	N/A
Isolation facilities	✓	1	4
Isolation (underway) ^{*8}	✓	1	6
ICU	✗	0	0
ICU (underway)	✓	N/A	N/A
Risk comms, community engagement & non-pharmaceutical interventions			
Communication materials distributed to the public			✓
Awareness activities conducted			✓ ^{*9}
Non-pharmaceutical interventions implemented			N/A
Challenges			
<ul style="list-style-type: none"> Staff are subject to stigma after they came to contact with people suspected to have COVID-19 PPE supplies to police Security issues (armed hold-ups for the ambulances & security personnel abused by the public for denying entry to a hospital) Readiness for quarantine of people who are suspected of having COVID-19 Readiness in case management for COVID-19 Funding and support for the southern coast 			

Momase Region

East Sepik

Surveillance	
Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	100%
No. of RRTs	N/A ^{*2}
Contact tracing team	N/A
Quarantine team	N/A
Laboratory functions	
No. of samples sent ^{*3}	2
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	2 ^{*4}

^{*1} Between 12-18 June. ^{*2} Indicated an RRT available and trained. Efficient teamwork and smooth movement through hired vehicles. ^{*3} Between 10-16 June. ^{*4} Boram & Maprik. ^{*5} At the districts with seven tents and one for Boram Hospital. ^{*6} Planned to have a guest house. ^{*7} Old TB clinic refurbished. ^{*8} Planned at Moem Barracks. ^{*9} Ongoing renovation at the hospital. ^{*10} 40,000 posters distributed to the districts on 11 May.

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	8	-
Quarantine facilities	✗	0	0
Quarantine (underway) ^{*6}	✓	1	N/A
Isolation facilities ^{*7}	✓	1	N/A
Isolation (underway) ^{*8}	✓	1	N/A
ICU	✗	0	0
ICU (underway) ^{*9}	✓	N/A	N/A
Risk comms, community engagement & non-pharmaceutical interventions			
Communication materials distributed to the public			✓ ^{*10}
Awareness activities conducted			N/A
Non-pharmaceutical interventions implemented			N/A
Challenges			
<ul style="list-style-type: none"> Readiness for quarantine of people who are suspected of having COVID-19 Readiness in case management for COVID-19 Border crossers for their livelihood to Indonesia 			

Madang

Surveillance

Alerts from rural health centres	N/A
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	100%
No. of RRTs	2
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*2}	1
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	4 ^{*3}

Health facilities ^{*4}	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	8	-
Quarantine facilities ^{*6}	✓	1	12
Quarantine (underway) ^{*7}	N/A	N/A	N/A
Isolation facilities ^{*8}	✓	1	18
Isolation (underway) ^{*9}	N/A	N/A	N/A
ICU ^{*10}	✓	1	5
ICU (underway)	N/A	N/A	N/A

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	✓ ^{*11}
Awareness activities conducted	✓ ^{*12}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Readiness in case management for COVID-19
- No electricity at the building for Provincial Emergency Commanding Office

^{*1} Between 12-18 June. The surveillance system has a referral and workflow with a reporting mechanism. ^{*2} Between 10-16 June ^{*3} Two at Madang Hospital, one at Gaubin & one at Malala Health Centre. ^{*4} All suspect COVID-19 cases will be referred from the pre-triaging tents. DWU medical school will support in the event require a surge capacity. The provincial team has drafted a surge plan and SOP. ^{*5} 5 Madang Hospital outpatients department. Planned at additional 4 sites ^{*6} Madang Hospital ^{*7} Planned to have a guesthouse ^{*8} Yagauim Hospital ^{*9} Planned at Moem Barracks ^{*10} The High Dependency Unit with five critically trained nurse. Six ventilators are all functioning, including one portable ventilator. There are 4 ASO and 1 Anaesthetic. ^{*11} 40,000 posters distributed to all the districts on 11 May. ^{*12} Tumbuna TV is tapped. The chairman has participated in the local radio program on the preparedness. A community group of youths drew murals depicting awareness, prevention and stigma messages.

Morobe

Surveillance

Alerts from rural health centres	N/A
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	71%
No. of RRTs	2 ^{*2}
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*3}	1
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓ ^{*4}
No. of GeneXpert machines	5 ^{*5}

Health facilities ^{*6}	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*7}	✓	5	-
Quarantine facilities ^{*8}	✓	3	47
Quarantine (underway)	N/A	N/A	N/A
Isolation facilities ^{*9}	2	1	120
Isolation (underway) ^{*10}	✓	1	8
ICU ^{*11}	✗	2	19
ICU (underway)	✓	N/A	N/A

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	✓ ^{*12}
Awareness activities conducted	N/A
Non-pharmaceutical interventions implemented	N/A

Challenges

- Readiness in case management for COVID-19
- No clear directive from NDoH and NOC about collecting information for testing and surveillance

^{*1} Between 12-18 June. ^{*2} One in Morobe District and three surveillance officers in Bulolo District with FETP graduates. The teams are effective through teamwork and coordinated provincial surveillance team. ^{*3} Between 10-16 June ^{*4} Trained staff in Morobe. ^{*5} Two at Angau hospital, one at Bulolo, one at Holcost & one at Mutzing. ^{*6} Morobe PHA has identified healthcare workers from districts and unemployed ones for surge capacity. The surge capacity is available and in place in Morobe District while it is not documented yet in Bulolo District. There are also clearly designed separate ablution blocks for staff and patients. Five ablution blocks each for male and female in Morobe District and one each for male and female in Bulolo District. There is currently 6 in stock all functioning and there are plans for the procurement of 4. One portable X-ray is available for the COVID-19 hospital in Morobe District and one static X-ray is available. There are also three backup generators as a standby power supply which will cater for the stadium and 2 for the ICU. Water tanks are available in Morobe District (8000L) and Bulolo District (5000L). ^{*7} Planned in Bulolo District: welding for tents from AMS (Lae). ^{*8} 11-Mile (MKN) (12 units), 32 rooms in Morobe District, 3 bed capacity in Bulolo District. ^{*9} Sir Ignatius Kilagi Stadium (120 beds) and Bulolo District. ^{*10} Under construction in Morobe (8 beds). ^{*11} Sir Ignatius Kilagi Stadium (15 beds) and Bulolo District (4 beds). ^{*12} IEC materials distributed in Morobe District and IEC materials printed locally and distributed in Bulolo District. 40,000 posters distributed to the districts on 11 May.

West Sepik

Surveillance

Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	86%
No. of RRTs	N/A ^{*2}
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*3}	2
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	2 ^{*4}

^{*1} Between 12-16 June. ^{*2} RRT is available with trained EETP graduates. Surveillance is coordinated with the incident management system. ^{*3} Between 10-16 June. ^{*4} Raihu District Hospital and Vanimo Hospital. ^{*5} The referral pathway for WSPHA has been set and the teams are ready to implement. Guidelines have been shared and the district teams have met with their local ward members and councillors to prepare them in containing cases in their respective communities. There is a need for surge capacity in case of community transmission. The province has no ICU unit available. It has three ventilators, but all are not functional. ^{*6} Sandaun Provincial Hospital, Medallion hotel, Dapu CHP and Baro CHP. ^{*7} Planned at Weather Service (13-bed house). ^{*8} Waiting for medical equipment for Vanimo Provincial Hospital (4 beds). Planned in the community or village designated clinical isolation unit. ^{*9} Vanimo Provincial Hospital. ^{*10} Continue with visits to schools/institutions and organizations within Vanimo Green to assess the hand hygiene practices and physical distancing. WSPHA risk communication team members still engaged in the SPG Enforcement Unit. 400,000 posters distribution to the districts as of 11 May.

Health facilities ^{*5}	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*6}	✓	4	-
Quarantine facilities	✗	0	0
Quarantine (underway) ^{*7}	✓	1	13
Isolation facilities	✗	0	0
Isolation (underway) ^{*8}	✓	2	N/A
ICU ^{*9}	✓	1	4
ICU (underway)	N/A	N/A	N/A

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	✓ ^{*10}
Awareness activities conducted	✓
Non-pharmaceutical interventions implemented	N/A

Challenges

- Multiple bush tracks to monitor in Wutung and logistics challenges in Schotchiu
- Readiness for quarantine of people who are suspected of having COVID-19
- Readiness in case management for COVID-19
- Tents for pre-triage is still in Morobe
- Referral of severely ill patients with COVID-19 from rural areas to the hospital
- Stigma, panic and anxiety in the community

Highlands Region

Eastern Highlands

Surveillance

Alerts from rural health centres	N/A
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	86%
No. of RRTs	2 ^{*2}
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*3}	7
Functioning GeneXpert machines, trained staff and no COVID-19 cartridges	✗
No. of GeneXpert machines	4 ^{*4}

^{*1} Between 12-18 June. ^{*2} The 1st team includes 5 officers trained to conduct specimen collection/contact trace with a dedicated vehicle. The 2nd team use malaria spray equipment to disinfect contaminated site (clinic, household, vehicle etc.) with a dedicated car. ^{*3} Between 10-16 June. ^{*4} Highlands Provincial Hospital (2), Ialibu Health Centre (1) and Kainantu District Hospital (1).

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	1	-
Quarantine facilities ^{*6}	✓	1	12
Quarantine (underway) ^{*7}	✓	1	16-18
Isolation facilities ^{*8}	✓	1	5
Isolation (underway)	✓	1	6
ICU ^{*9}	✓	1	12
ICU (underway)	-	-	-

Risk Comms, Community Engagement & Non-Pharmaceutical Interventions

Communication materials distributed to the public	N/A
Awareness activities conducted	✓ ^{*10}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Out of stock of nasal swabs
- Not informed about national call centre database; there were a few phone calls requesting patient follow-up, but no information exchange after these contacts are unknown
- No COVID-19 cartridges after training
- Readiness in case management for COVID-19
- Potential fear for COVID-19 in the community prevents access to health

^{*5} Goroka Hospital. ^{*6} 12 beds completed, two maternity beds completed. ^{*7} Planned 12 more beds and 4-6 beds in the paediatric ward. ^{*8} Six rooms with separate a bed each under renovation - all ward renovation is scheduled for completion by mid-June. ^{*9} Two x 6 bed ICU wards at Goroka Hospital. ^{*10} Senior officers planning a widespread community awareness supervision to all districts following completion of hospital renovations.

Enga

Surveillance

Alerts from rural health centres	N/A
COVID-19 hotlines	N/A
Daily COVID-19 reporting ^{*1}	100%
No. of RRTs	N/A ^{*2}
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*3}	6
Functioning GeneXpert machines, trained staff and no COVID-19 cartridges	✗
No. of GeneXpert machines	2 ^{*4}

^{*1} Between 12-18 June. ^{*2} There are 10 staff in the surveillance team, including Provincial Disease Control Manager, FETP graduates, IATA trained officers. ^{*3} Between 10-16 June. ^{*4} Kompiam District Hospital (1) and installation TBC at Wagag Provincial Hospital. ^{*5} Wabag Hospital. ^{*6} All district hospitals and land identified. ^{*7} All district hospitals will have quarantine facilities. Land identified. ^{*8} Identified the site in Pausa in Wapenamanda. ^{*9} The province has a public spokesperson and a designated area for a press release. The spokespersons for the media and press release are Chief Executive Officer Enga PHA, Director of Public Health and Provincial Police Commander. The press release is usually held at the Provincial Emergency Operations Centre. The team leader has developed a micro-plan for the catchment population and will be shared with the national communications lead. Awareness and School health inspection work continuously.

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	1	-
Quarantine facilities	✗	0	0
Quarantine (underway) ^{*6}	✓	N/A	N/A
Isolation facilities	✗	0	0
Isolation (underway) ^{*7}	✓	0	0
ICU	N/A	N/A	N/A
ICU (underway)	N/A	N/A	N/A

Risk Comms, Community Engagement & Non-Pharmaceutical Interventions

Communication materials distributed to the public	✓
Awareness activities conducted	✓ ^{*8}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Readiness for quarantine of people who are suspected of having COVID-19
- Readiness in case management for COVID-19
- Healthcare workers require training in infection prevention and control

Hela

Surveillance

Alerts from rural health centres	✓ ^{*1}
COVID-19 hotlines	✓ ^{*2}
Daily COVID-19 reporting ^{*3}	43%
No. of RRTs	1 ^{*4}
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*5}	0
Functioning GeneXpert machines, trained staff and no COVID-19 cartridges	✗
No. of GeneXpert machines	1 ^{*6}

^{*1} Participatory surveillance encourages members of the public to report to the nearest health facilities without health worker attending, and enhanced surveillance for residential facilities and vulnerable groups. ^{*2} PHA is looking at negotiating with Digicel PNG LTD for the establishment of a free toll number. ^{*3} Between 12-16 June. ^{*4} One PHQ Rapid Response team have four officers trained to conduct specimen collection/ contact trace with a dedicated vehicle. IPC and EHO to disinfect stationed. Focal RRT lead at district Hospitals are HEOs - one is a trained FETP. They are coordinating and mobilizing resources at districts. ^{*5} Between 10-16 June. ^{*6} Hela Provincial Hospital. ^{*7} Two trained mental health nurses are available to provide socio-psychological support to COVID-19 suspect cases, their families and frontline staff. Coordination: Clinical management and health care services staff meet daily at PHQ COVID-19 Centre. Care pathway: Pathway established for referral, screening, testing and transportation of patients.

Health facilities ^{*7}	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*8}	✓	1 ^{*8}	-
Quarantine facilities ^{*9}	✓	3	N/A
Quarantine (underway)	✗	N/A	N/A
Isolation facilities ^{*10}	✓	3	N/A
Isolation (underway)	✓	2	N/A
ICU ^{*11}	✓	1	6
ICU (underway)	N/A	N/A	N/A

Risk Comms, Community Engagement & Non-Pharmaceutical Interventions

Communication materials distributed to the public	✓
Awareness activities conducted	✓ ^{*12}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Low surveillance reporting between 12-18 June
- Cannot trace all people suspected with COVID-19 for tribal conflict areas
- No testing done for suspected COVID-19 cases without COVID-19 cartridges; no training conducted yet
- PHA does not have the proper equipment to disinfect surfaces and buildings
- Additional clinical and support staff are needed
- Funding is not available for refurbishing provincial isolation and quarantine areas
- Readiness in case management for COVID-19

^{*8} Provincial hospital. ^{*9} Three hospitals have quarantine facilities. Planned at Hope Centre at Pj village 7 container buildings, Hospital Board Room (8 beds). ^{*10} Three hospitals have isolation units and a quarantine area with the essential PPE and consumables. Hope Centre at Pj Village is our primary isolation site. Boon will supply seven container building materials. Hospital Board Room was converted to isolation ward with six (6) bed installed. ^{*11} 1 x ICU/HDU ward with 6 beds available. = 2 ventilators in ICU/HDU. ^{*12} Collective awareness and preparedness activities are ongoing. ^{*13} Hela PHA scaled down work at COVID-19 triage and emphasizing more on the 'new normal' way of screening patients at entry points in hospitals and health centres.

Jiwaka

Surveillance

Alerts from rural health centres	N/A
COVID-19 hotlines	N/A
Daily COVID-19 reporting ^{*1}	71%
No. of RRTs	N/A
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*2}	0
Functioning GeneXpert machines, trained staff and no COVID-19 cartridges	N/A
No. of GeneXpert machines	N/A

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*3}	N/A	N/A	-
Quarantine facilities ^{*4}	✓	1	N/A
Quarantine (underway)	✓	N/A	N/A
Isolation facilities ^{*5}	✓	4	N/A
Isolation (underway) ^{*6}	✓	4	N/A
ICU	N/A	N/A	N/A
ICU (underway)	N/A	N/A	N/A

Risk Comms, Community Engagement & Non-Pharmaceutical Interventions

Communication materials distributed to the public	✓
Awareness activities conducted	✓ ^{*7}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Readiness in case management for COVID-19

^{*1} Between 12-18 June. ^{*2} Between 10-16 June. ^{*3} All 28 reporting health facilities were ordered to set up cough triage, screen all cough cases separately, and report SARI urgently to PEOC daily. The transport allocated for SARI patients is one full-time dedicated ambulance. ^{*4} The facility set up for persons under investigation in Kindeng is now in use. ^{*5} Kindeng, Minj HC, Kol HC, Tabibuga HC have isolation facilities. ^{*6} The isolation unit is being prepared to be equipped with beds, oxygen and water supply. ^{*7} The advocacy activities are estimated to have reached 20,000 people.

Simbu

Surveillance

Alerts from rural health centres	✓ ^{*1}
COVID-19 hotlines	N/A
Daily COVID-19 reporting ^{*2}	57%
No. of RRTs	1 ^{*3}
Contact tracing team	1 ^{*3}
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*4}	2
Functioning GeneXpert machines, trained staff and no COVID-19 cartridges	N/A
No. of GeneXpert machines	2 ^{*5}

Health facilities ^{*6}	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*7}	✗	N/A	-
Quarantine facilities	N/A	N/A	N/A
Quarantine (underway)	N/A	N/A	N/A
Isolation facilities	N/A	N/A	N/A
Isolation (underway)	N/A	N/A	N/A
ICU ^{*8}	N/A	1	3
ICU (underway)	N/A	N/A	N/A

Risk Comms, Community Engagement & Non-Pharmaceutical Interventions

Communication materials distributed to the public	✓
Awareness activities conducted	✓ ^{*9}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Low surveillance reporting between 12-18 June
- No nasal swabs, limited PPE and stationery supply
- Very limited vaccine carriers
- Weak crowd control measures (Police commanders)
- Inadequate awareness coverage
- Readiness for quarantine of people who are suspected of having COVID-19
- Readiness in case management for COVID-19

^{*1} All 36 health facilities started daily surveillance reporting for all ILI, SARI & COVID-19. ^{*2} Between 12-18 June. ^{*3} One RRT, including five officers trained to conduct specimen collection/ contact trace without a dedicated car. Provincial RRT is under preparation and ready to collect all specimens for all ILI and SARI cases. IPC team 2 is set but need more. Ethanol chemical to cover all exposed areas completely. IATA trained laboratory officers are collecting samples for COVID-19. ^{*4} Between 10-16 June. ^{*5} Megandi Rural Hospital & Kundawa General Hospital.

^{*6} An information booth for COVID-19 is set up in all district major health centres and common marketplaces. Mainstream media (NBC Simbu) is broadcasting updates for CL19 daily with our local publication produce every three days for the public. ^{*7} Triage and information booth for COVID-19 is being set up at the Provincial Hospital and Megandi Rural Hospital. All Health centres will be coordinated appropriately and equip after conducting infection prevention and control (IPC) district training. ^{*8} Three beds with three ventilators. ^{*9} Awareness through all 36 Health Facilities in the province.

Southern Highlands

Surveillance	
Alerts from rural health centres	N/A ^{*1}
COVID-19 hotlines	N/A
Daily COVID-19 reporting ^{*2}	14% ^{*3}
No. of RRTs	N/A
Contact tracing team	N/A
Quarantine team	N/A
Laboratory functions	
No. of samples sent ^{*4}	4
Functioning GeneXpert machines, trained staff and no COVID-19 cartridges	✗
No. of GeneXpert machines	1 ^{*5}

^{*1} The other level 2 facilities such as sub-centres were only asked to give an alert when any cases are detected. ^{*2} Between 12-18 June. ^{*3} Supervision visits to health facilities contributed to improving daily reporting for COVID-19. The report had some delay due to the technical issues in using ODK and training surveillance officers from health facilities. ^{*4} Between 10-16 June. ^{*5} Mendi Hospital & Moro Hospital.

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites	N/A	N/A	-
Quarantine facilities ^{*6}	✓	1	0
Quarantine (underway) ^{*7}	✓	N/A	N/A
Isolation facilities	✗	0	0
Isolation (underway) ^{*8}	✓	2	N/A
ICU ^{*9}	✓	1	6
ICU (underway)	N/A	N/A	N/A

Risk Comms, Community Engagement & Non-Pharmaceutical Interventions

Communication materials distributed to the public	✓
Awareness activities conducted	✓ ^{*10}
Non-pharmaceutical interventions implemented	N/A

Challenges

- Low surveillance reporting between 12-18 June
- Readiness for quarantine of people who are suspected of having COVID-19
- Readiness in case management for COVID-19
- Healthcare workers require training in infection prevention and control

^{*6} Kibutu Lodge ^{*7} Planned for a permanent quarantine work (KJ million) ^{*8} Maintenance for isolation ward for MDR-TB and planned at Muriu Health Centre ^{*9} 6 ICU bed. One ventilator is functioning, and two will undergo repair. There is one oxygen humidifier. ^{*10} Conducted awareness in all five districts and health centres, including the Mendi urban area. All district health facilities took part in COVID-19 awareness to their respective community. The activity is now ongoing at the facility level. During our recent visits, PHA stressed on the COVID-19 perceptions on social media and advised health care workers to be against repeating misleading information to the public. Pangia Baptist Mission printed flyers and made radio announcements on their radio station on COVID-19 messages in the district.

Western Highlands

Surveillance	
Alerts from rural health centres	N/A
COVID-19 hotlines	N/A
Daily COVID-19 reporting ^{*1}	0%
No. of RRTs	N/A
Contact tracing team	N/A
Quarantine team	N/A
Laboratory functions	
No. of samples sent ^{*2}	1
Functioning GeneXpert machines, trained staff and no COVID-19 cartridges	✗
No. of GeneXpert machines	4 ^{*3}

^{*1} Between 12-18 June. ^{*2} Between 10-16 June. ^{*3} Kudjipi Hospital, TINSLEY TB LAB, Western Highlands Provincial Hospital & WHP Public Health Laboratory. ^{*4} Staff facilities: It is also planned to build accommodation on the Hospital compound for staff working directly with COVID-19 patients to prevent infection. It is planned to procure two portable ventilators with monitors for the ICU. ^{*5} The construction of a quarantine shed is ongoing. Additional quarantine facilities at Tinsley Hospital and Tambul are proposed. ^{*6} The isolation ward is being established in the chapel considering the proximity to laundry and the incinerator with support from ICRC. ^{*7} Additional resources are required to refurbish and furnish the isolation ward. ^{*8} The WHPHA Health Promotion and Disease Prevention teams are leading the advocacy programme and have produced pamphlets and posters.

Health facilities ^{*4}	Availability	No. of facilities	No. of beds
Pre-triage sites	N/A	N/A	-
Quarantine facilities	✗	0	0
Quarantine (underway) ^{*5}	✓	2	N/A
Isolation facilities ^{*6}	✓	1	N/A
Isolation (underway) ^{*7}	✗	0	0
ICU	✓	1	4
ICU (underway)	N/A	N/A	N/A

Risk Comms, Community Engagement & Non-Pharmaceutical Interventions

Communication materials distributed to the public	N/A
Awareness activities conducted	✓ ^{*8}
Non-pharmaceutical interventions implemented	N/A

Challenges

- No surveillance reporting between 12-18 June
- Readiness for quarantine of people who are suspected of having COVID-19
- Readiness in case management for COVID-19
- Healthcare workers require training in infection prevention and control.

Southern Region

Central

Surveillance

Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	29%
No. of RRTs	N/A ^{*2}
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*3}	0
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	2 ^{*4}

^{*1} Between 12-18 June ^{*2} RRT not fully established. No clinical surveillance conducted due to no rapid response.

^{*3} Between 9-16 June ^{*4} Kwikila & Bereina District Hospital has a GeneXpert machine powered by a solar power system. ^{*5} The houses of the 3 doctors were identified as the isolation and quarantine facilities for all the staff managing the COVID-19 suspect cases. ^{*6} 5 Abau District Hospital, Bereina District Hospital and Veila Hospital. ^{*7} Planned at Bereina District Hospital ^{*8} Planned at Abau District Hospital and Bereina District Hospital.

Health facilities ^{*1}	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	3	-
Quarantine facilities	✗	0	0
Quarantine (underway) ^{*6}	✓	1	N/A
Isolation facilities	✗	0	0
Isolation (underway) ^{*7}	✓	1	N/A
ICU	✗	0	0
ICU (underway)	N/A	N/A	N/A

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	N/A
Awareness activities conducted	N/A
Non-pharmaceutical interventions implemented	N/A

Challenges

- Low surveillance reporting between 12-18 June
- RRT not fully established
- Readiness for quarantine and case management for COVID-19; the province does not have a hospital
- Readiness in case management for COVID-19
- Abau District: water supply, power supply, oxygen supply, workforce, renovation of the current building used as outpatient, Delivery and Labour Ward, and clinics for other public health programs, and waste management.
- Gailala District: Not enough PPEs for all Health facilities. Needed triage tents for Tapini, Wotape and other facilities; absence of public servants at workstations; implementation of routine immunization and regular supply of TB drugs
- Bereina District: run-down facilities requiring renovation, power supply, water supply

Gulf

Surveillance

Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	86%
No. of RRTs	0
Contact tracing team	N/A
Quarantine team	N/A

Laboratory functions

No. of samples sent ^{*2}	0
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	N/A
No. of GeneXpert machines	2 ^{*3}

^{*1} Between 12-18 June ^{*2} Between 10-16 June

^{*3} Kapuna Rural Hospital & Kikori District Hospital. Installation TBC: Kerema Hospital Laboratory

^{*4} Triage areas are at the hospital. ^{*5} No quarantine place available. The province has identified three quarantine sites: Kanabea, Kerema and Kikori. One will be set up when the donated tents are received.

^{*6} Yet to be established.

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*1}	✓	N/A	-
Quarantine facilities	✗	0	0
Quarantine (underway)	✓	3	N/A
Isolation facilities ^{*5}	✓	1	N/A
Isolation (underway)	N/A	N/A	N/A
ICU ^{*6}	✗	0	0
ICU (underway)	N/A	N/A	N/A

Risk comms, community engagement & non-pharmaceutical interventions

Communication materials distributed to the public	N/A
Awareness activities conducted	✓
Non-pharmaceutical interventions implemented	N/A

Challenges

- RRT is not established (planned training)
- Readiness for quarantinefor people who are suspected of having COVID-19.
- Readiness in case management for COVID-19

Milne Bay

Surveillance	
Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	0%
No. of RRTs	N/A ^{*2}
Contact tracing team	N/A
Quarantine team	N/A
Laboratory functions	
No. of samples sent ^{*3}	1
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	1 ^{*4}

^{*1} Between 12-18 June. The surveillance team is working on the strengthening of information management for ILI/SARI and surveillance at the health facilities. The health facilities surveillance system was adjusted to capture ILI, PNA, URTIs and deaths. ^{*2} Planned to establish RRT after the training. ^{*3} Between 10-16 June. ^{*4} Milne Bay Provincial Hospital ^{*5} The team visit schools.

Health facilities ^{*5}	Availability	No. of facilities	No. of beds
Pre-triage sites	✗	0	-
Quarantine facilities	✗	0	0
Quarantine (underway)	✗	0	N/A
Isolation facilities ^{*6}	✓	5	N/A
Isolation (underway) ^{*7}	✓	1	N/A
ICU	✓	2	0
ICU (underway)	N/A	N/A	N/A

Risk comms, community engagement & non-pharmaceutical interventions	
Communication materials distributed to the public	N/A
Awareness activities conducted	✓ ^{*8}
Non-pharmaceutical interventions implemented	N/A

Challenges

- No surveillance reporting between 12-18 June
- Limited supplies of PPE
- No space for pre-triage and quarantine facilities
- Readiness for quarantine for people who are suspected of having COVID-19
- Readiness in case management for COVID-19
- Challenge in health workforce due to age

^{*5} Referral: A vehicle has been designated for transportation of the COVID-19 patients. ^{*6} 5 beds in isolation facility currently, including a delivery bed in Alotau Hospital. ^{*7} Preparedness for isolation facilities in the health centres are in development but bit slow due to some unrealistic expectations.

National Capital District

Surveillance	
Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting ^{*1}	43%
No. of RRTs	N/A ^{*2}
Contact tracing team	N/A
Quarantine team	N/A
Laboratory functions	
No. of samples sent ^{*3}	0
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	3 ^{*4}

^{*1} Between 12-18 June ^{*2} Communications: Landlines installed at NCD PHA PEOC, for PDI follow up. Full contact list released to all health facilities to activate a response. Team of 12 to cover province and cater for on-site Rita Flynn swabbing. Rapid responses also covered by the 12/24-hour roster run. Switching to active case finding. ^{*3} Between 10-16 June. ^{*4} Bereina Health Centre, CPHL & Lawes Road Urban Clinic. Installation TBC: Gerehu Hospital.

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites ^{*5}	✓	N/A	-
Quarantine facilities ^{*6}	✗	N/A	N/A
Quarantine (underway)	N/A	N/A	N/A
Isolation facilities ^{*7}	✓	1	76
Isolation (underway) ^{*8}	✓	1	6
ICU ^{*9}	✓	1	4
ICU (underway)	N/A	N/A	N/A

Risk comms, community engagement & non-pharmaceutical interventions	
Communication materials distributed to the public	N/A
Awareness activities conducted	✓ ^{*10}
Non-pharmaceutical interventions implemented	✓

Challenges

- Low surveillance reporting between 12-18 June
- NCDPHA has an ageing workforce with the majority over 50
- Readiness for quarantine and case management for COVID-19
- The clinics and hospitals are full to capacity with no space for outbreak patients

^{*5} Sixteen public clinics, all major private clinics and hospitals all do pre-triage. PMGH and Gerehu Hospital all do Pre-triage. These are screening areas. All COVID-19 care is centralised to Rita Flynn. ^{*6} Hotels in POM provide rooms for well POIs. For PUIs 6 Acute bay quarantine area beds for clinical care assessment tent.

^{*7} In Rita Flynn. Two oxygen concentrators, 10 oxygen bottles, 2 oxygen flow regulators, 1 suction machines & 2 ventilators (oxygen 3000).

^{*8} Six separate bedrooms under renovation - all ward renovation is scheduled for completion by mid June. ^{*9} In PMGH ^{*10} City wide awareness covering 80 % and more of the city driven by the municipal arm of the NCD Provincial government and NCDPHA team. ST JORHs ran a massive awareness campaign and TOT for private sectors to advocate.

Oro

Surveillance	
Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting *1	0%
No. of RRTs	0 *2
Contact tracing team	N/A
Quarantine team	N/A
Laboratory functions	
No. of samples sent *3	0
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	2 *4

*1 Between 12-18 June *2 There is surveillance at the airport. Seaport is a challenge due to a workforce issue. NAC also conduct airport surveillance. *3 Between 10-16 June. *4 Popondetta Hospital *5 Siroga Health Centre set up pre-triage at the clinic entrance. Setting up pre-triage at Popondetta hospital is underway with a tent. *6 Popondetta Hospital and Siroga Health Centre have quarantine facilities with tents. *7 New Britain Palm Oil Health and PHA renovated the old dental area to an isolation ward. *8 Popondetta Hospital's isolation ward is under construction (8 beds). *9 Awareness is doing well. The team is now doing schools and are going out to the districts. A hotel in Oro put handwashing facilities outside the hotel entrance, which demonstrated an example of good practice in the private sector.

Health facilities	Availability	No. of facilities	No. of beds
Pre-triage sites *5	✓	1	-
Quarantine facilities *6	✓	2	N/A
Quarantine (underway)	N/A	N/A	N/A
Isolation facilities *7	✓	1	N/A
Isolation (underway) *8	✓	1	8
ICU	N/A	N/A	N/A
ICU (underway)	N/A	N/A	N/A
Risk comms, community engagement & non-pharmaceutical interventions			
Communication materials distributed to the public			✓ *9
Awareness activities conducted			✓
Non-pharmaceutical interventions implemented			N/A
Challenges			
<ul style="list-style-type: none"> No surveillance reporting between 12-18 June No RRT Readiness in case management for COVID-19 			

Western

Surveillance	
Alerts from rural health centres	✓
COVID-19 hotlines	✓
Daily COVID-19 reporting *1	57%
No. of RRTs	3 *2
Contact tracing team	N/A
Quarantine team	N/A
Laboratory functions	
No. of samples sent *3	2
Functioning GeneXpert machines, trained staff and COVID-19 cartridges	✓
No. of GeneXpert machines	3 *4

*1 Between 12-18 June *2 Based in Daru, a team trained for surveillance and rapid response conduct sample collection in South Fly. PHA proposed to have four-member surveillance team in each district to conduct surveillance and rapid response. Another team is responsible for point of entry screening at the ports for every passenger entering and leaving Daru and Kiunga. Two officers were trained for a sample collection from the visiting surveillance team. *3 Between 10-16 June *4 Tinsley TB lab, WHP Public Health & Tabubil Hospital. *5 Staff Daru is maintaining a residential staff building and Kiunga is building a new staff facility. Rumungae and Balimo have not yet identified facilities for staff who will provide care for COVID 19 patients. A Clinical Emergency Team consists of a critical care nurse, an anaesthetist, an emergency registrar, a laboratory scientist, Director for Medical Services, and a specialist Obstetrician and Gynaecologist.

Health facilities *5	Availability	No. of facilities	No. of beds
Pre-triage sites *6	✓	4	-
Quarantine facilities *7	✓	1	N/A
Quarantine (underway) *8	✓	1	12
Isolation facilities *9	✓	2	24
Isolation (underway) *10	✓	1	22
ICU	✓	1	4
ICU (underway)	N/A	N/A	N/A
Risk comms, community engagement & non-pharmaceutical interventions			
Communication materials distributed to the public			N/A *11
Awareness activities conducted			N/A
Non-pharmaceutical interventions implemented			N/A
Challenges			
<ul style="list-style-type: none"> Low surveillance reporting between 12-18 June Following-up with the contacts Kiunga Surveillance Team needs HR support from NDoH. Surveillance data flow, data management, and enhancement of ILI surveillance (including event-based surveillance and the establishment of sentinel surveillance sites) Readiness in case management for COVID-19 Ageing issue in health workforce Border crossers for their livelihood to Indonesia 			

*6 Four hospitals (Daru, Kiunga, Balimo and Rumungae) entrances have conducted pre-triaging with handwashing facilities available for people accessing the hospitals. *7 One quarantine facility is in Daru Provincial Hospital (the GES Building for anticipated patients with COVID 19). *8 Twelve beds quarantine planned. Three district hospitals in Kiunga, Rumungae and Balimo will set up the donated tents as quarantine facilities. *9 Two isolation facilities are set up in Daru Provincial Hospital and Kiunga District Hospital with six self-contained rooms and ten cubicles with 18 beds, respectively. *10 Two District Hospitals prepare isolation facilities. Rumungae has identified the old TB ward with six beds for COVID 19 isolation which requires minor renovation. 22 beds isolation planned with one delivery bed. *11 Risk communication materials are under development for printing and distribution. Needs are observed in the communities for enhanced risk communication activities on hand hygiene and social distancing.

ANNEX C – Photos



COVID-19 Trainings in the Provinces:
Alotau in Milne Bay (upper left photo);
Maprik in East Sepik (upper right photo);
Wewak in East Sepik (photo on the left)

Madang District Health Managers
receive their IEC materials for
COVID-19 distributed by WHO
(L-R: Usino Bundi, Bogia, Middle
Ramu and Sumkar)



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