

Tropical Cyclone Harold

Vanuatu National Health Situation Report #8 – 25 May 2020



HIGHLIGHTS

- ❖ 3 deaths, 124 injuries and 37 referrals were reported as a direct result of the cyclone.
- ❖ 32 Emergency Medical Teams or specialist health teams were deployed with over 5,566 patients seen.
- ❖ 98 Health Facility Assessments have been completed; these indicate widespread and severe damage, particularly in Sanma and Penama.
- ❖ In the intermediate phase, there have been reports of increases in communicable diseases in affected areas, including diarrhoeal diseases, vector-borne diseases, influenza-like illness, respiratory infections and skin infections. Other indirect or delayed impacts have been reported, especially on nutrition and mental health have been reported.
- ❖ Integrated mobile public health teams are being deployed to priority areas.
- ❖ Other health sector response activities are underway eg. re-stock of medical supplies, restoration of cold chains, ramp up of syndromic surveillance, community awareness activities, vector control response.

NOTE: Major updates to figures or text relative to the last Situation Report are indicated **blue highlights**.

BACKGROUND

On 06 – 07 April 2020, Severe Tropical Cyclone Harold made landfall in Vanuatu and caused widespread damage. The National Disaster Management Office identified health as a sector of immediate need in Sanma, Malampa and Penama provinces. This Report produced by the National Health Incident Management Team presents a brief overview of the health situation and health sector response to TC Harold as reported by Health Emergency Operations Centers operating at national and provincial levels. The *Tropical Cyclone Harold Health Sector Response Plan* has been revised to guide transition from emergency to intermediate and recovery phases. Provincial plans have been devised accordingly, and implementation for the intermediate phase has commenced. This document summarises the situation and actions taken by phase. For further information and earlier Situation Reports, please see: <https://moh.gov.vu/index.php/pages/tc-harold>

IMMEDIATE IMPACT AND RESPONSE

The direct impacts of TC Harold on the health of the population in affected areas included deaths and injuries resulting from building collapse, fallen objects, wind-strewn debris, drownings or pre-existing illness (Table 1). Medevacs were also conducted as a direct result of the cyclone undermining access to medical services, such as antenatal and paediatric care.

Table 1. Direct impact of TC Harold, as reported to NHEOC by 25 May 2020 at 5.00pm Port Vila time

| Province | Sanma | Penama | Malampa | All |
|---|-----------------|--------|----------|----------------------------|
| Estimated number of persons in affected areas ^a | 53,943 | 17,026 | 21,305 | 176,161^b |
| Health facilities ^c in severely cyclone-affected areas ^d | 31 | 14 | 13 | 58 |
| Confirmed deaths as a direct result of cyclone | 1 | 2 | 0 | 3 |
| Persons injured as a direct result of cyclone | 64 ^e | 59 | 1 | 124 |
| Referrals/medevacs ^f to provincial or regional referral hospital as a direct result of cyclone | 14 | 3 | 1 | 18 |
| Referrals/medevacs ^f to VCH as a direct result of cyclone | 12 | 7 | 0 | 19 |

^afrom NDMO Rapid Technical Assessment Report (April 2020); ^b includes affected population in Torba (10,102) and Shefa/Shepards Group (23,056) ^c includes hospitals, health centres, dispensaries, clinics and aid posts; ^d based on predicted maximum sustained windspeeds equivalent to Category 3-5 cyclone; ^e includes injuries reported in NPH Emergency department, NPH OPD, SANMA EMTs and SANMA Health Facilities; ^f includes antenatal and paediatric cases. Note: In Sanma, there were 9 additional medevacs (4 to NPH and 5 to VCH) that were due to health issues not directly related to TC Harold.

Emergency Medical Teams

Between mid-April and 21 May, a total of 32 Emergency Medical Teams (EMTs) or specialist health teams were deployed across the three most affected provinces and saw over 4,886 patients (Table 2). EMTs focussed on critical medical care in the immediate phase following the cyclone, and generally included at least one medical doctor, nurse practitioner, midwife, public health specialist and logistics/health infrastructure officer.

Table 2. Summary of Emergency Medical Teams or specialist teams, as of 25 May 2020 at 5.00pm Port Vila time

| Province | Sanma | Penama | Malampa | All |
|--|-------|--------|---------|-------|
| Number of EMTs or specialist health teams deployed | 19 | 8 | 5 | 32 |
| Total number of health specialists deployed | >32 | 35 | 22 | 89 |
| Total number of patients seen | 2,027 | 2,213 | 1,326 | 5,566 |

Health Facility Assessments

Immediately following the cyclone, assessments were conducted to determine the state of health facilities including the condition of buildings and medical equipment/supplies, access and referral systems, and basic services such as water, power and toilets. Priority was given to conducting assessments in severely affected areas and in hospitals, health centres and dispensaries. However, results are also now included for other areas and for some clinics and aid posts. Results have been received for a total of 98 health facilities in four provinces (Table 3). Additional assessments are being conducted as resources and time allow. **Note that results below are for facilities surveyed and are not representative of all health facilities in the entire province.** More detailed analyses of these data are planned. An overview of results is included in Annex 1.

Table 3. Results of 98 Health Facilities Assessments (HFAs) by number (and proportion) of health facilities^a surveyed in affected areas, as reported to NHEOC by 25 May 2020 at 5.00pm Port Vila time. Red = ≥50%, Orange = 25-49%

| Province | Sanma | Penama | Malampa | Shefa | All |
|--|--------|--------|---------|-------|--------|
| HFAs completed for facilities in affected areas ^a | 43 | 26 | 20 | 9 | 98 |
| Buildings moderately or severely damaged | 28 65% | 18 69% | 4 20% | 2 22% | 52 53% |
| Medical equipment moderately or severely damaged | 16 37% | 11 42% | 2 10% | 1 11% | 30 31% |
| Medical supplies moderately or severely damaged | 16 37% | 10 38% | 3 15% | 0 0% | 29 30% |
| Facility access very difficult or with obstacles | 16 37% | 8 31% | 8 40% | 1 11% | 33 34% |
| Referral system not functioning | 8 19% | 4 15% | 2 10% | 0 0% | 14 14% |
| Water supply insufficient or interrupted (not enough) | 24 56% | 12 46% | 7 35% | 1 11% | 44 45% |
| Water cloudy, pipes broken or contamination sources nearby | 22 51% | 13 50% | 2 10% | 2 22% | 39 40% |
| No functioning toilets | 9 21% | 4 15% | 5 25% | 0 0% | 18 18% |
| No power after cyclone | 13 30% | 5 19% | 0 0% | 0 0% | 18 18% |
| Reports (or rumours) of increase in illness | 3 7% | 4 15% | 1 5% | 0 0% | 8 8% |
| Have patients that suffer chronic diseases who are not able to receive treatment | 9 21% | 7 27% | 3 15% | 1 11% | 20 20% |
| Priority HFAs to be completed ^a | 12 | 5 | 4 | 0 | 21 |

^a Includes hospitals, health centres, dispensaries, clinics and aid posts unless otherwise stated.

INTERMEDIATE IMPACT AND RESPONSE

Other indirect or delayed health impacts have resulted following TC Harold due to interrupted health and other public services, destruction of gardens which has undermined food supply, and contamination of water sources. A brief update on the current situation and actions taken is presented by thematic area in Table 4 (and in Annex 2). Further information is included in earlier Situation Reports (<https://moh.gov.vu/index.php/pages/tc-harold>).

Table 4. Updates on situation and actions taken by thematic area, as reported to NHEOC by 25 May 2020 at 5.00pm Port Vila time

| AREA | SITUATION | ACTION TAKEN |
|---|--|--|
| Environmental health/ community engagement/ health promotion | <ul style="list-style-type: none"> • <i>Water-borne diseases:</i> Increases in water-borne diseases noted in all three provinces, with watery diarrhoea commonly seen in health facilities. • Some reports of increases in skin conditions and infections due to poor hygiene and irritation. • Ongoing complaints received from communities about increased numbers of mosquitoes, with communities requesting bed nets. | <ul style="list-style-type: none"> • Water, sanitation and hygiene (WASH) officers continue to restore services, supplies and provide handwashing facilities; Sawyer filters and TIPI taps received in some areas. • Mass clean-up campaign coupled with dengue and COVID-19 awareness and delivery of <i>Saeklon ki helt mesej</i> from 12 May to 17 May in Sanma. Water- and food-borne disease awareness team also deployed. • <i>Saeklon ki helt mesej</i> booklet continues to be used in community outreach activities, and handwashing and personal hygiene awareness activities continue in Sanma, Malampa and Penama. • Dengue vector source reduction and entomological monitoring completed in Santo. |
| Mental health / psychosocial support | <ul style="list-style-type: none"> • <i>Mental health:</i> Many people in affected areas are still preoccupied with finding food, shelter and medication. • Identified high risk of new mental health conditions directly related to the cyclone and also due to unemployment resulting from COVID-19 restrictions. | <ul style="list-style-type: none"> • EMTs and MPHTs have included Mental Health Officer where possible, to provide psychosocial support to patients and community members. |
| Surveillance | <ul style="list-style-type: none"> • Reports of destruction of various data collection forms necessitating replacement. • <i>Respiratory infections:</i> Influenza-like illness commonly reported or seen at health facilities and by EMTs and MPHTs. Increases reported in Sanma (212 in w19) and in Penama (24 in w19) but decreases noted in Malampa (16 in w19) (although number of sentinel sites increase for the latter). Sporadic cases of acute fever and rash reported for the three provinces. | <ul style="list-style-type: none"> • Syndromic surveillance system enhanced in Sanma, Penama and Malampa; daily reports compiled for Malampa with weekly reports elsewhere (further support needed in Sanma). • Data collection forms dispatched for re-stock of damaged facilities. • Public Health Rapid Response Teams (along with Vanuatu Family Health Association in some areas) continue to investigate and respond to infectious diseases cases and ensure treatment eg. dengue, malaria, leptospirosis, Yaws, TB, HIV. |
| Communicable diseases | <ul style="list-style-type: none"> • <i>Vector-borne diseases:</i> 2 confirmed dengue cases (revised down from 3) at Northern Provincial Hospital (NPH) are now recovered. • Malaria cases under investigation in Santo; 1 confirmed malaria case in Pentecost (likely imported from Santo); new malaria cases in Malekula particularly in Aulua Area resulting from re-lapses due to patients not completing primaquine treatment. For all provinces, it is yet to be confirmed if these constitute an increase in malaria transmission because of TC Harold. | <ul style="list-style-type: none"> • Mass bed net distributions conducted or planned for all affected areas; completed in Sanma for Luganville, South Santo, Malo, Aore (10,320 bed nets distributed from 29 April to 06 May); ongoing in Malampa; to commence in Penama (though already provided for patients in Melsisi). • Emergency vector control (space spraying) completed in and around dengue case locations in Santo. |

| | | |
|---|--|--|
| | <ul style="list-style-type: none"> • <i>Other communicable infections:</i> at NPH there were 6 deaths suspected to be caused by leptospirosis and 4 cases suspected to be typhoid (no confirmatory tests available in Vanuatu). • Reports of cases of conjunctivitis in the three provinces. • Of 29 suspected cases in three provinces, 1 confirmed cases of Yaws in Penama (previously reported as 2 due to 1 false-positive). | <ul style="list-style-type: none"> • De-worming conducted in Sanma (12,611 persons), Penama (>144 persons) and Malampa (8,764 persons). |
| RMNCAH and nutrition | <ul style="list-style-type: none"> • <i>RMNCAH (Reproductive, maternal, newborn, child and adolescent health):</i> Services affected in Sanma, Penama and Malampa due to major infrastructure damage and restricted access to health facilities; additional services needed in all three provinces. • <i>Nutrition:</i> Malnourishment reported in rural areas in Sanma, Malampa and Penama; particularly noted in central parts of Malekula with one death reported at NPH of an infant that was likely due to underlying malnutrition. | <ul style="list-style-type: none"> • Anetnatal care, family planning, child health services provided through integrated program with outreach teams in Sanma; sexual and reproductive needs also addressed with support from Vanuatu Family Health Association. Temporary shelter set up at Tasmalum Health Center. Dropouts and malnutrition cases being followed up by MPHTs in Malampa. • Restock of midwifery kits, sterilizing drums, ORS, thermometers, otoscopes, data forms etc. in Sanma. Logistics constraints still undermining deliveries of supplies to some areas. • Situation assessment, screening and distribution of multiple micronutrient packets, Vitamin A and food rations (including local produce) is ongoing in areas of Sanma, Malampa and Penama. |
| Immunization | <ul style="list-style-type: none"> • <i>Vaccine-preventable diseases:</i> No increases noted. • Cold chains damaged in 20 of the 41 facilities assessed (9 in Sanma, 10 in Pentecost, 1 on Ambae). | <ul style="list-style-type: none"> • Cold chains restored in Pentecost; maintenance done in Malo and South Santo with further inspections ongoing in Sanma; additional support needed in Malampa. • Integrated immunization activities conducted by outreach teams; measles and rubella in Penama in Bay Barrier (196 infants) and in Sanma (23 children). |
| Non-communicable diseases (NCDs) | <ul style="list-style-type: none"> • <i>Non-communicable diseases:</i> Burden on outpatient services reported to be high and many are unable to be reviewed by a trained health worker. Medications for non-communicable diseases difficult to find. | <ul style="list-style-type: none"> • 36 persons in Penama treated for NCD conditions. • Needs assessment results awaited to guide specialist deployments and trainings. • NCD screening and management of patients ongoing in communities in Penama, with health education covering nutrition, prevention and management of NCDs etc. |
| Other | <ul style="list-style-type: none"> • <i>Dental care:</i> Limited availability reported. • <i>Other:</i> Reports of high incidence of gender-based violence in cyclone-affected areas. | <ul style="list-style-type: none"> • 246 dental patients seen Penama. • Gender Protection Cluster coordinating activities to counter gender-based violence. |

Integrated Mobile Public Health Teams and Surge Support

In the intermediate response phase, there has been a shift in focus towards deployment of surge staff and mobile public health teams (MPHTs). Surge staff deployed through NHEOC have included medical doctors and specialists, registered nurses, pharmacists, public health practitioners and administrative or other technical officers. MPHTs are comprised of medical or public health specialists who are deployed with essential equipment and supplies to conduct outreach and other activities based on requests from Provincial Health Emergency Operations Centers (PHEOCs). Outcomes from these deployments are included in Tables 2-4.

Repairs to damaged Health Facilities

Quick fixes that rapidly restore essential functions of Health Facilities are being prioritised in the intermediate phase. Significant progress has already been made to restore cold chains and re-stock medical equipment and supplies, with priority structural repairs to commence soon. A tool has been developed to track progress in restoring to a functional level those Health Facilities damaged during the cyclone. Further information will be provided in subsequent Situation Reports.

Procurements to enable repairs of health facilities, replacement or repair of medical equipment, re-stock of medical supplies or deployment of EMTs or MPHTs are ongoing. To date, NHEOC has received requests for procurement of over 1,141 line items from PHEOCs, EMTs and MPHTs, with an overall significant proportion of requests fulfilled (67% for Malampa, 54% for Penama and 33% for Sanma).

MORE INFORMATION ABOUT THE HEALTH SITUATION AND RESPONSE TO TROPICAL CYCLONE HAROLD

- MOH website: <http://moh.gov.vu/index.php/pages/tc-harold>
- National Health Emergency Operations Center: nheoc@vanuatu.gov.vu
- Vanuatu Health Hotline: 119
- Ministry of Health, Health Promotions Vanuatu Facebook page: <https://www.facebook.com/Health-Promotions-Vanuatu-1674266679566197/>
- Health Incident Management Team Coordinator: Dr Posikai Samuel Tapo - Mobile: 773 7178

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|-------------------------------|--|
| Approved by: | Dr Posikai Samuel Tapo, Coordinator - Incident Management Team |
| Issued: | 25 May 2020, 05.00pm |
| Next SitRep Expected*: | 01 June 2020 |

**The intention is to issue Situation Reports once per week, though the frequency will depend on the evolving situation.*

Annex 1. Overview of results from Health Facility Assessments, as reported to NHEOC by 25 May 2020 at 5.00pm Port Vila time.

Data on the status of medical supplies is available at <https://moh.gov.vu/index.php/pages/tc-harold>

Sanma Province

| Health Facility Assessment results (by Facility) - CONDITION AND SERVICES, Summary to 25 May 2020 | | | | | | | | | | | | | | | | | | |
|---|--------|-------------|---------------------|---------------|------------|------------|-------------------|------------------|------------------|---------------------|----------------------------|------------------|--|----------------------|--------------------|---------------------|-------------------|----------------------------------|
| Health Facility Information | | | | | Assessment | 1. Damages | | | 2. Accessibility | | 3. Vaccines | | 5. Water | | 6. Toilets | 7. Power | 9. Diseases | |
| Province | Island | Health zone | Name | Type | Date | Building | Medical Equipment | Medical Supplies | Accessible? | Referral System ok? | Functioning vaccine fridge | Vaccine carriers | Quantity | Quality | Number functioning | Power After Cyclone | Unusual Increase? | Chronic dis & limited treatment? |
| Sanma | Araki | SAN04 | Araki (Tanopeta) | Aidpost | 4/15/2020 | Severe | Moderate | No | Easy | | Unavailable | Unavailable | | Water cloudy | 2 | No | No | Yes |
| Sanma | Santo | SAN04 | Buama | Aidpost | 5/13/2020 | Moderate | No | No | With obstacles | Yes | Unavailable | Unavailable | Interruptions in water supply | Broken water pipes | 40 | | No | No |
| Sanma | Santo | SAN03 | Fanafo | Health Centre | 4/15/2020 | Severe | Mild | No | Easy | Yes | Unavailable | Unavailable | Adequate water supply | Water cloudy | 0 | No | No | No |
| Sanma | Santo | SAN04 | Malotao | Aidpost | 4/21/2020 | Severe | Severe | Severe | With obstacles | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 9 | | No | No |
| Sanma | Santo | SAN03 | Nasitwan | Aidpost | 4/23/2020 | Severe | Severe | Severe | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 0 | Yes | No | No |
| Sanma | Malo | SAN02 | Avunatari | Health Centre | 4/11/2020 | Moderate | Mild | Mild | Easy | Yes | Available | Available | Adequate water supply | No sources of contac | 7 | Yes | No | No |
| Sanma | Santo | SAN01 | Nambauk | Aidpost | 4/10/2020 | Severe | Severe | Severe | Easy | Yes | Unavailable | Unavailable | Insufficient water storage | Water cloudy | 1 | No | No | No |
| Sanma | Santo | SAN04 | Ipaiaio | Aidpost | 4/27/2020 | Severe | No | Moderate | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 4 | Yes | Yes | No |
| Sanma | Santo | SAN05 | Wusi (Joseph Ma) | Dispensary | 4/11/2020 | Moderate | No | No | Very difficult | Yes | Unavailable | Unavailable | Insufficient water storage | Broken water pipes | 1 | No | No | No |
| Sanma | Santo | SAN04 | Kokonae | Dispensary | 5/20/2020 | Severe | Severe | Severe | With obstacles | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 60 | | No | No |
| Sanma | Santo | SAN04 | Foreginal | Aidpost | 4/15/2020 | Severe | Moderate | Moderate | With obstacles | No | Unavailable | Unavailable | Adequate water supply | | 0 | | No | No |
| Sanma | Santo | SAN03 | Valavalet | Aidpost | 4/17/2020 | Mild | No | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 62 | No | No | Yes |
| Sanma | Malo | SAN02 | Sao | Aidpost | 5/18/2020 | No | No | No | Easy | Yes | Unavailable | Unavailable | Adequate water supply | No sources of contac | 1 | | No | No |
| Sanma | Santo | SAN06 | Wunpuku | Dispensary | 4/11/2020 | No | No | No | Easy | Yes | Available | Unavailable | Adequate water supply | No sources of contac | 1 | | No | No |
| Sanma | Santo | SAN08 | Saramauri | Health Centre | 4/11/2020 | No | No | No | With obstacles | No | | Available | Adequate water supply | Water cloudy | 2 | Yes | No | No |
| Sanma | Santo | SAN03 | Seiei | Dispensary | 4/14/2020 | Severe | Severe | Severe | Very difficult | Yes | Unavailable | Unavailable | Adequate water supply | No sources of contac | 3 | No | No | Yes |
| Sanma | Santo | SAN04 | St Daniel | Aidpost | 4/23/2020 | Severe | Severe | Severe | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 10 | No | No | No |
| Sanma | Santo | SAN03 | Stonehill | Aidpost | 4/11/2020 | Severe | No | | With obstacles | No | Unavailable | Unavailable | No water or not enough water for all the daily needs | Water cloudy | 2 | | No | No |
| Sanma | Santo | SAN05 | Sulemauri | Dispensary | 4/11/2020 | Severe | Severe | Severe | Very difficult | No | Unavailable | Available | Insufficient water storage | Broken water pipes | 0 | No | No | Yes |
| Sanma | Malo | SAN02 | Tabunveresake | Aidpost | 4/12/2020 | Moderate | Mild | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | Water cloudy | 0 | | Yes | |
| Sanma | Tangoa | SAN04 | Tangoa | Aidpost | 4/15/2020 | Severe | No | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | Broken water pipes | 0 | No | No | No |
| Sanma | Aore | SAN02 | Aore | Dispensary | 4/11/2020 | Moderate | Moderate | Moderate | Easy | Yes | Unavailable | Available | No water or not enough water for all the daily needs | Water cloudy | 1 | Yes | No | No |
| Sanma | Santo | SAN05 | Tasiriki | Health Centre | 4/11/2020 | No | No | No | Easy | Yes | Available | Available | Interruptions in water supply | Water cloudy | 2 | Yes | No | No |
| Sanma | Santo | SAN04 | Tasmalum | Health Centre | 4/11/2020 | Severe | Severe | Severe | With obstacles | No | Unavailable | Available | Adequate water supply | Broken water pipes | 2 | | No | Yes |
| Sanma | Santo | SAN06 | Tasmate | Dispensary | 4/11/2020 | No | No | No | Easy | Yes | Unavailable | Available | Adequate water supply | No sources of contac | 3 | Yes | No | Yes |
| Sanma | Santo | SAN04 | Tataikala | Dispensary | 4/14/2020 | Moderate | Moderate | Severe | With obstacles | No | Unavailable | Available | No water or not enough water for all the daily needs | Water cloudy | 1 | | No | No |
| Sanma | Malo | SAN02 | Rustron | Dispensary | 4/11/2020 | Severe | Severe | Severe | With obstacles | Yes | Unavailable | Available | Interruptions in water supply | Water cloudy | 0 | Yes | No | Yes |
| Sanma | Santo | SAN01 | Tutuba | Dispensary | 4/10/2020 | No | No | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | Broken water pipes | 1 | Yes | No | Yes |
| Sanma | Malo | SAN02 | Banaviti | Dispensary | 4/12/2020 | Mild | No | No | With obstacles | No | Unavailable | Unavailable | No water or not enough water for all the daily needs | Water cloudy | 0 | Yes | No | Yes |
| Sanma | Santo | SAN05 | Valpei | Aidpost | 4/15/2020 | Severe | Severe | Severe | Very difficult | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | Broken water pipes | 1 | No | No | No |
| Sanma | Malo | SAN02 | Nandiutu | Aidpost | 5/18/2020 | Mild | No | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 50 | | No | No |
| Sanma | Santo | SAN08 | Paparama | Dispensary | 4/11/2020 | Mild | Mild | No | With obstacles | No | Unavailable | Unavailable | No water or not enough water for all the daily needs | No sources of contac | 0 | Yes | No | No |
| Sanma | Santo | SAN04 | Vaturei (Iarailand) | Dispensary | 4/10/2020 | Mild | No | No | Easy | Yes | Unavailable | Unavailable | Adequate water supply | No sources of contac | 2 | | No | No |
| Sanma | Santo | SAN04 | Vavasnaur (Tano) | Aidpost | 5/13/2020 | Severe | No | Mild | Easy | Yes | Unavailable | Unavailable | Adequate water supply | Water cloudy | 80 | | No | No |
| Sanma | Santo | SAN04 | Vulesepe | Health Centre | 4/10/2020 | Moderate | No | No | Easy | Yes | Available | Available | Interruptions in water supply | Broken water pipes | 3 | Yes | No | No |
| Sanma | Santo | SAN03 | Butmas | Aidpost | 4/13/2020 | Moderate | Moderate | Moderate | Easy | Yes | Unavailable | Unavailable | Adequate water supply | Water cloudy | 2 | No | No | |
| Sanma | Santo | SAN05 | Vatnaur (Lovenu) | Aidpost | 4/29/2020 | Moderate | Moderate | Moderate | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 50 | No | No | No |
| Sanma | Santo | SAN05 | Iungle Mountain | Aidpost | 5/18/2020 | Mild | No | No | With obstacles | Yes | Unavailable | Unavailable | Adequate water supply | No sources of contac | 94 | | No | No |
| Sanma | Santo | SAN04 | Wallapa (Isu) | Dispensary | 4/11/2020 | Severe | No | No | Easy | Yes | Available | Available | Adequate water supply | No sources of contac | 4 | No | No | |
| Sanma | Santo | SAN06 | Nokuku | Health Centre | 4/11/2020 | No | No | No | Easy | Yes | Available | Available | Adequate water supply | No sources of contac | 2 | Yes | No | No |
| Sanma | Malo | SAN02 | Atariboe | Dispensary | 4/12/2020 | Mild | Mild | Mild | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | Water cloudy | 2 | Yes | Yes | |
| Sanma | Santo | SAN06 | Penour (Lelesvari) | Dispensary | 5/19/2020 | Severe | No | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 10 | | No | No |
| Sanma | Santo | SAN07 | Matantas | Aidpost | 5/27/2020 | No | No | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 1 | Yes | No | No |

Penama Province

| Health Facility Assessment results (by Facility) - CONDITION AND SERVICES, Summary to 25 May 2020 | | | | | | | | | | | | | | | | | | |
|---|-----------|-------------|--------------|---------------|------------|------------|-------------------|------------------|------------------|---------------------|----------------------------|------------------|--|---------------------|--------------------|---------------------|-------------------|----------------------------------|
| Health Facility Information | | | | | Assessment | 1. Damages | | | 2. Accessibility | | | 3. Vaccines | | 5. Water | | 6. Toilets | 7. Power | 9. Diseases |
| Province | Island | Health zone | Name | Type | Date | Building | Medical Equipment | Medical Supplies | Accessible? | Referral System ok? | Functioning vaccine fridge | Vaccine carriers | Quantity | Quality | Number functioning | Power After Cyclone | Unusual increase? | Chronic dis & limited treatment? |
| Penama | Pentecost | PEN09 | Ransrek | Aidpost | | No | No | No | | | | | | | | | | |
| Penama | Pentecost | PEN10 | St Henri | Aidpost | 4/3/2020 | Severe | Severe | Severe | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | Broken water pipes | 1 | | Yes | |
| Penama | Pentecost | PEN10 | Ranwas | Aidpost | | Severe | Severe | Severe | Easy | | | | | | | | | |
| Penama | Pentecost | PEN08 | Ila | Aidpost | 4/12/2020 | Severe | Severe | Severe | Very difficult | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | Water cloudy | 0 | No | No | No |
| Penama | Pentecost | PEN10 | Wanur | Aidpost | | Severe | Severe | Severe | Easy | | Unavailable | Unavailable | Insufficient water storage | | 1 | | Yes | |
| Penama | Pentecost | PEN09 | Ranwadi | Aidpost | | No | No | No | | | | | | | | | | |
| Penama | Pentecost | PEN09 | Ranmawat | Dispensary | | Severe | Severe | Severe | Easy | No | Unavailable | Unavailable | Interruptions in water supply | Broken water pipes | 2 | Yes | No | Yes |
| Penama | Pentecost | PEN10 | Point Cross | Dispensary | 4/16/2020 | Severe | No | No | With obstacles | Yes | Unavailable | Available | Interruptions in water supply | No sources of conta | 1 | No | No | No |
| Penama | Pentecost | PEN09 | Neilebati | Aidpost | | Severe | No | No | | | Unavailable | Unavailable | | | | | | |
| Penama | Pentecost | PEN08 | Narua | Aidpost | | Severe | Severe | Severe | Easy | | | | | | | | | |
| Penama | Pentecost | PEN08 | Namaram | Dispensary | | Severe | Severe | Severe | With obstacles | Yes | Unavailable | Unavailable | Adequate water supply | Broken water pipes | 1 | No | No | |
| Penama | Pentecost | PEN09 | Onlaba | Aidpost | | Moderate | No | No | | | | | | | | | | |
| Penama | Pentecost | PEN09 | Tsingbwege | Dispensary | 5/4/2020 | Severe | No | No | Very difficult | Yes | Available | Available | No water or not enough water for all the daily needs | Sources of contamin | | | | Yes |
| Penama | Pentecost | PEN08 | Lewamemeh | Aidpost | 5/3/2020 | Severe | Severe | Severe | Easy | Yes | Unavailable | Unavailable | Interruptions in water supply | Broken water pipes | 1 | No | No | No |
| Penama | Pentecost | PEN08 | Bwathapni | Dispensary | 4/13/2020 | No | No | No | Easy | Yes | Available | Unavailable | Interruptions in water supply | Broken water pipes | 1 | Yes | No | Yes |
| Penama | Pentecost | PEN08 | Enkul | Dispensary | 4/12/2020 | Moderate | No | No | Easy | No | Unavailable | Unavailable | No water or not enough water for all the daily needs | Broken water pipes | 1 | Yes | No | Yes |
| Penama | Maewo | PEN06 | Asanvari | Dispensary | 4/14/2020 | Moderate | Severe | No | Very difficult | | Unavailable | Unavailable | Adequate water supply | | | Yes | | |
| Penama | Pentecost | PEN08 | Tanbok | Aidpost | | No | No | No | | | | | | | | | | |
| Penama | Pentecost | PEN10 | Baie Barrier | Dispensary | 4/16/2020 | Mild | No | No | Easy | Do not know | Unavailable | Unavailable | Adequate water supply | Sources of contamin | 0 | Yes | Yes | Yes |
| Penama | Ambae | PEN03 | Lolopuepue | Dispensary | | Mild | | | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | No sources of conta | 1 | | | |
| Penama | Ambae | PEN04 | Sakau | Dispensary | 4/11/2020 | Mild | Mild | Mild | Very difficult | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | Broken water pipes | 0 | Yes | No | No |
| Penama | Ambae | PEN03 | Lolovange | Dispensary | | Mild | No | No | Easy | Yes | | | Insufficient water storage | Water cloudy | | | | |
| Penama | Pentecost | PEN09 | Melisi | Health Centre | | Severe | Severe | Severe | Very difficult | No | Unavailable | Unavailable | Interruptions in water supply | Broken water pipes | 0 | Yes | No | No |
| Penama | Pentecost | PEN08 | Ledungsivi | Health Centre | | Severe | Mild | Severe | Easy | Yes | Unavailable | Unavailable | Insufficient water storage | No sources of conta | 3 | No | Yes | Yes |
| Penama | Pentecost | PEN10 | Pangi | Health Centre | 4/16/2020 | Moderate | Severe | Mild | With obstacles | No | Unavailable | Unavailable | Interruptions in water supply | Broken water pipes | 4 | Yes | No | Yes |
| Penama | Ambae | PEN02 | Nduindui | Health Centre | 4/11/2020 | Moderate | | | Easy | Yes | Unavailable | Unavailable | Insufficient water storage | No sources of conta | | Yes | No | |

Malampa Province

| Health Facility Assessment results (by Facility) - CONDITION AND SERVICES, Summary to 25 May 2020 | | | | | | | | | | | | | | | | | | |
|---|----------|-------------|-------------------|---------------|------------|------------|-------------------|------------------|------------------|---------------------|----------------------------|------------------|--|---------------------|--------------------|---------------------|-------------------|----------------------------------|
| Health Facility Information | | | | | Assessment | 1. Damages | | | 2. Accessibility | | | 3. Vaccines | | 5. Water | | 6. Toilets | 7. Power | 9. Diseases |
| Province | Island | Health zone | Name | Type | Date | Building | Medical Equipment | Medical Supplies | Accessible? | Referral System ok? | Functioning vaccine fridge | Vaccine carriers | Quantity | Quality | Number functioning | Power After Cyclone | Unusual increase? | Chronic dis & limited treatment? |
| Malampa | Ambrym | MAL09 | Willit | Aidpost | 4/14/2020 | Mild | No | No | Easy | Yes | | | Insufficient water storage | | 1 | Yes | No | No |
| Malampa | Malekula | MAL07 | Travol | Aidpost | 4/13/2020 | Mild | No | No | Easy | Yes | Unavailable | Unavailable | Adequate water supply | | 0 | | No | No |
| Malampa | Ambrym | MAL10 | Lolbulu | Aidpost | 4/11/2020 | No | No | No | Easy | Yes | Available | Available | Adequate water supply | No sources of conta | 1 | | No | No |
| Malampa | Malekula | MAL08 | Orap | Aidpost | 4/17/2020 | Mild | No | No | With obstacles | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 0 | Yes | No | No |
| Malampa | Ambrym | MAL10 | Tefon | Aidpost | 4/11/2020 | Mild | No | No | Easy | Yes | | | No water or not enough water for all the daily needs | | 1 | Yes | No | No |
| Malampa | Malekula | MAL07 | Botovro | Aidpost | 4/13/2020 | Moderate | No | No | With obstacles | Yes | Unavailable | Unavailable | Adequate water supply | | | | | No |
| Malampa | Malekula | MAL08 | Alchin | Health Centre | 4/16/2020 | No | No | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 1 | Yes | | |
| Malampa | Ambrym | MAL10 | Oial | Dispensary | 4/12/2020 | Severe | Severe | Severe | Very difficult | Yes | Unavailable | Unavailable | Insufficient water storage | Broken water pipes | 1 | Yes | No | Yes |
| Malampa | Malekula | MAL08 | Wallarano | Health Centre | 4/13/2020 | No | No | No | With obstacles | Yes | Unavailable | Available | No water or not enough water for all the daily needs | | 2 | | No | No |
| Malampa | Vao | MAL08 | Vao | Dispensary | 4/13/2020 | Mild | No | No | Easy | Yes | Unavailable | Available | No water or not enough water for all the daily needs | | 3 | Yes | No | No |
| Malampa | Malekula | MAL01 | Norsup | Hospital | 5/8/2020 | No | No | No | Easy | No | | | Adequate water supply | No sources of conta | 5 | | | No |
| Malampa | Malekula | MAL07 | Tontar | Dispensary | 5/13/2020 | No | No | No | With obstacles | Yes | Available | Available | Adequate water supply | | 2 | | No | |
| Malampa | Ambrym | MAL11 | Port Vato (Melum) | Dispensary | 4/13/2020 | No | No | Mild | Easy | Yes | | | Adequate water supply | No sources of conta | 1 | Yes | No | No |
| Malampa | Malekula | MAL07 | Win | Aidpost | 4/13/2020 | No | No | No | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 0 | | | No |
| Malampa | Malekula | MAL07 | Espligles Bay | Health Centre | 4/13/2020 | Mild | No | No | With obstacles | Yes | Available | Available | Adequate water supply | No sources of conta | 1 | | No | |
| Malampa | Malekula | MAL07 | Metkun | Aidpost | 4/30/2020 | Moderate | No | Moderate | Easy | Yes | Unavailable | Unavailable | No water or not enough water for all the daily needs | | 0 | | No | No |
| Malampa | Malekula | MAL06 | Pikair | Aidpost | 4/11/2020 | No | No | No | Easy | Yes | Unavailable | Unavailable | Adequate water supply | | 0 | | No | No |
| Malampa | Ambrym | MAL10 | Nebul | Health Centre | | Severe | Moderate | Moderate | Very difficult | No | Available | Available | Adequate water supply | Broken water pipes | 2 | Yes | Yes | Yes |
| Malampa | Paama | MAL12 | Liro | Health Centre | 4/14/2020 | No | No | No | With obstacles | Yes | Available | Available | Adequate water supply | | 2 | | | Yes |
| Malampa | Ambrym | MAL11 | Baiap | Health Centre | 4/14/2020 | No | No | No | Easy | Yes | | | Adequate water supply | No sources of conta | | Yes | No | No |

Annex 2. Trend of syndromes reported per week, for the period 20 April (wk 16) to 10 May (wk 19) 2020.

AFR = acute fever and rash; PF = prolonged fever ; ILI = influenza-like illness; WD = watery diarrhea; BD = bloody diarrhea; DZCLI = dengue, Zika and chikungunya-like illness; CONJ = conjunctivitis.

