

HURRICANE BERYL

Grenada and St. Vincent & the Grenadines

PAHO



Situation Report # 8 – 10 July 2024

HIGHLIGHTS

- Declaration of Emergency for St Patrick, Carriacou and Petite Martinique repealed as of July 9, 2024. St Patrick, Carriacou and Petite Martinique have been declared disaster zones.
- Three members of Guyana’s Defence Force Advance Team are on the ground from the Engineer Battalion and is assisting with repairs to a section of the Princess Royal Smart Hospital in Carriacou. In total 8 soldiers from Guyana are on the ground assisting with buildings assessments and relief efforts. Further soldiers to arrive later this week.
- Partners for Global Health have donated a large quantity of medical accessories and supplies along with other non-medical items.
- Significant damage to the electrical grid in St Patrick. Crew (16) from T&T to include equipment and support from Dominica and St Lucia.
- PAHO led WASH assessment started in Union Island and mainland St Vincent and the Grenadines.
- PAHO expert on damage assessment arrived in St. Vincent and the Grenadines today to conduct assessments of health care facilities.
- On July 10, 2024, an Emergency Medical Team from Samaritan Purse arrived in Union Island and started seeing patients.
- The first MHPSS coordination meeting was held today, July 10, 2024, with participation from Grenada Ministry of Health, Ministry of Mental Health, and Ministry of Social and Community Development; St Vincent and the Grenadines Ministry of Health, Ministry of National Mobilization, UN Women, UNICEF, UNFPA, PAHO.

IN NUMBERS

215,530
Potentially exposed¹

11 Deaths²

30 Injured³

02 Missing⁴

1000 Evacuated⁵

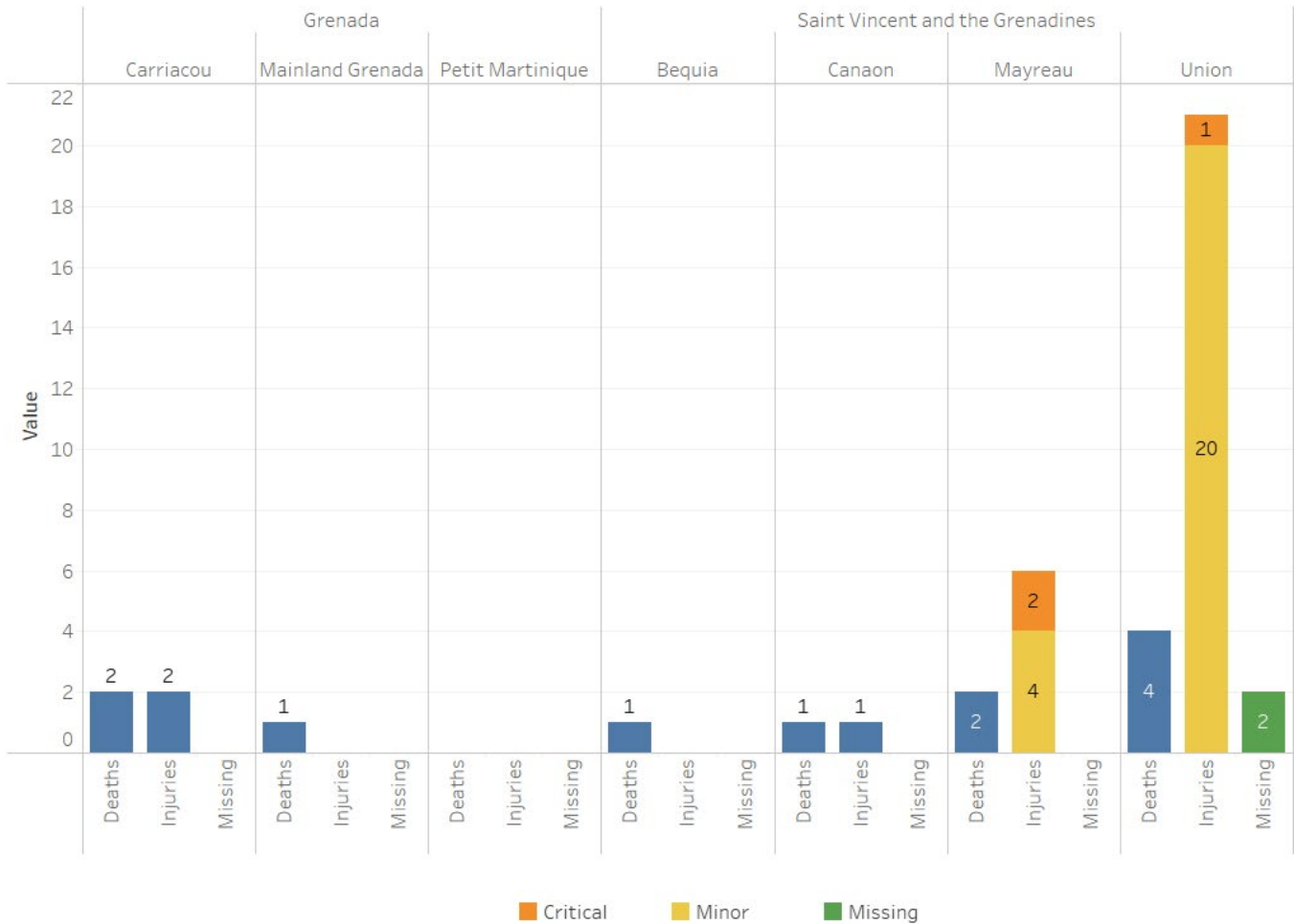
15 Damaged health facilities⁶

1: Country latest census data –, Grenada and St Vincent & the Grenadines.

2,3,4,5: Assessments are still ongoing and what is reported are based on preliminary information.

6: Ministry of Health initial report

GRENADA AND ST. VINCENT AND THE GRENADINES



GRENADA



Photo credit – Facebook page of the Ministry of Carriacou and Petite Martinique Affairs & Local Government

- In Carriacou, medical services are now available 24 hours through the humanitarian efforts of Samaritan’s Purse.

- Health services restoration in Carriacou with support from Samaritan’s Purse and the continued operation of the Hillsborough Smart Health Centre:

 **Ministry of Carriacou and Petite Martinique Affairs & Local Government**
9 u. · 🌐

The provision of healthcare services is of paramount importance therefore the Government of Grenada is ensuring that citizens continue to receive such.

With support from Samaritan's Purse and the continued operation of the Hillsborough Smart Health Centre citizens have an opportunity to take charge of their health.

Post Hurricane Beryl
Health Services Restoration



- Support Staff from Ministry of Health, Grenada
- Nurses to be stationed at official shelters
- A doctor will visit shelters once weekly
- Other services such as antenatal clinic & dental services etc. will soon recommence

- Communication materials requested for MHPSS, vector control and WASH, particularly in relation to shelters being prepared.
- Psychosocial support is being provided in the north of the island, Carriacou and Petite Martinique including the scaling up of hotlines for and messaging around GBV by the Ministry of Social Development.
- A “WhatsApp Health” channel was implemented to keep the public informed on health information from trained healthcare professionals.



WhatsApp Health channel

ST. VINCENT AND THE GRENADINES

- The Ministry of Health, Wellness and the Environment has commenced dissemination of public health messages in the areas of safe hygiene practices, food safety post hurricane, mental health coping mechanisms, safe water consumption, gender-based violence and sexual and reproductive health.
- To reduce the risk of vector-borne diseases, there’s a need to bait rodents. However, general debris cleaning is necessary for effective vector control. Given that the cleanup process might take some time, it’s encouraged to focus on baiting around the hospital, shelters, storage areas, and occupied homes.

- Samaritan’s Purse EMT is now established in Union Island and has started seeing patients. They are expected to remain for at least two weeks.

CARRIACOU, PETIT MARTINIQUE

Samaritan’s Purse EMT continues to provide health services in Carriacou.



Photo credit - Ministry of Carriacou and Petite Martinique Affairs & Local Government - Samaritan Purse EMT Type 1 hospital



HEALTH RISK ASSESSMENT

GRENADA AND ST. VINCENT AND THE GRENADINES

- Surveillance continues to be an area of concern with no information on the situation in shelters.
- Increases in cases of some conditions are already being observed in both countries.
- Health care workers including those impacted by the event continue to provide support on the ground. The health and wellness of staff continues to be an area of concern.
- Progress is being made to continue the provision of essential health services, especially in areas where the health facilities were significantly impacted.



INFRASTRUCTURE

GRENADA

Three members of Guyana’s Defense Force Advance Team are on the ground from the Engineer Battalion and will be assisting with repairs to a section of the Princess Royal Smart Hospital.

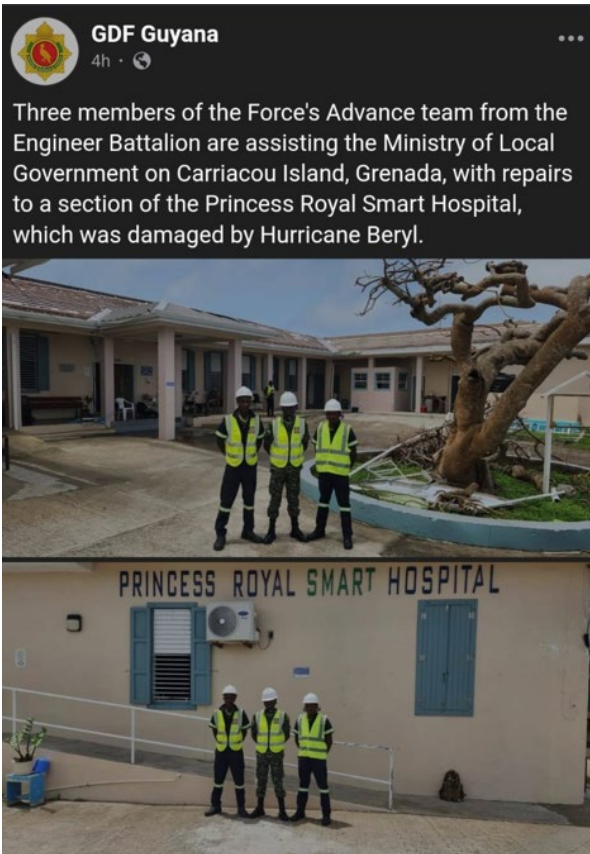


Photo credit - Guyana Defence Force Facebook page

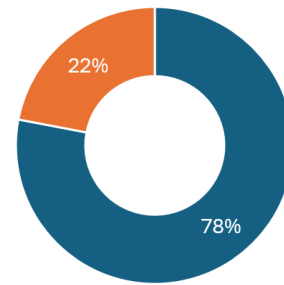
Of the 41 health centers with preliminary assessment, 26 (63.41%) are operational, 11(26.83%) are operational with damage to electricity and/or running water, and 4 (9.76%) are still not operational.

Not operational	9.76%
Operational	63.41%
Operational - Electricity but no running water. NAWASA trucking in water	7.32%
Operational - No electricity or running water.	2.44%
Operational - No electricity or running water. NAWASA trucking in water	17.07%
Grand Total	100.00%

- The restoration effort of the Carriacou desalination plant is being supported with a 2,000-gallon water truck provided by St. Lucian contractor Rayneau/CIE construction limited. It arrived in Carriacou on Saturday 6 July 2024. A second truck loaned by the Barbados Water Authority is expected in country this week. The desalination plant is projected to be re-commissioned by Monday, 8 July 2024.
- The Grenada Electricity Services (GRENLEC) is working to restore electricity to the Hillsborough Health Centre, it is now being used as the Princess Royal Hospital, the only hospital on island suffered damages.

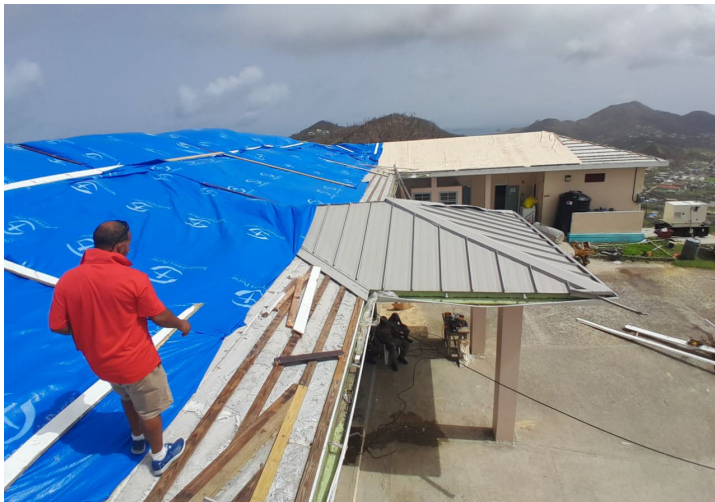
ST. VINCENT AND THE GRENADINES

- Preliminary assessment is available for 49 health facilities, of which 38 (78%) are operational, however most of them suffered damage that require immediate attention/repair- roof damage, roof leak, no power, issues with water and electricity, damage to doors and windows.



■ Operational ■ Not Operational

- In mainland St. Vincent, over 600 persons reported damage to or loss of property.



Provision of tarpaulins on the roof of Princess Royal Hospital, Carriacou. Photo credit: PAHO



GRENADA

Twenty-eight (28) water systems were affected. As of July 9, 2024, all 28 have been commissioned but some areas such as those in elevated areas may have delay in receiving water. Consistent monitoring is being done to identify possible leaks so as to address them promptly. In Carriacou the water plant has been recommissioned and distribution will be via truckage. For Petite Martinique, the desalination plant will go live on July 15, 2024

ST. VINCENT AND THE GRENADINES

UNION ISLAND

- The 2 formal shelters in Clifton and Ashton both have running water, and the toilets are functional using the bucket flush method.
- Several cisterns are functional; people are using buckets to access water where no generator available to pump. However, there is a need to chlorinate the water.

- At the hospital water is available for flushing toilets using the bucket flush method. However, water is contaminated.
- Stagnant water in drains needs to be cleared to prevent mosquito breeding. Other source reduction measures to be implemented including covering of water barrels.
- Chlorine tablets to be distributed for treating water in containers.



SHELTER

*Please note the status of the number of people in shelters is constantly changing as occupants arrive and leave.

GRENADA

Shelter information Carriacou and Petite Martinique:

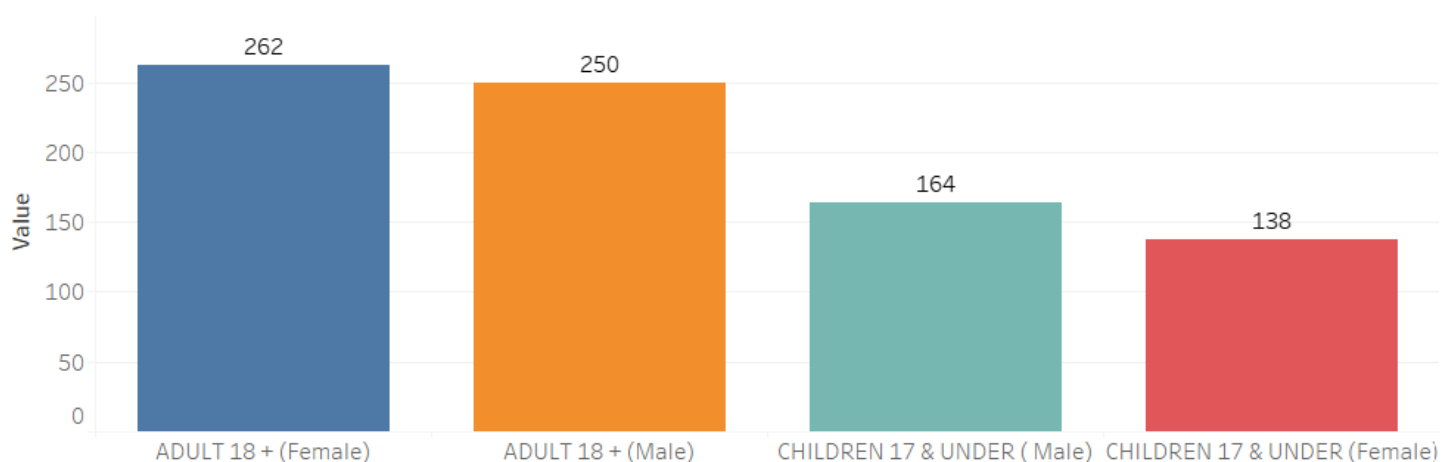
Facility	# of persons
St Thomas Aquinas R.C. School, Petite Martinique	63
Dover School, Carriacou	40
Hillsborough Government School	88
Our Lady of the Rosary Catholic School, L'Esterre	61
Harvey Vale Government School	35
Total	287

ST. VINCENT AND THE GRENADINES

- There are 814 people in shelters.
- 41 shelters are active.
- 6 shelters were visited together with MOH Vector Control Officer to assess for signs of rodents, mosquitoes, etc. infestations. General sanitation conditions in the shelter were noted to be adequate. It was reported that shelters are visited regularly by nurses.

Facility	# of persons
Langley Park	15
Diamonds	7
Chester Cottage Community Centre	15
Belmont Government School	18
Fairhall Government school	49
Lowmans Leeward Anglican School	30
Georgetown Government School	0

Number of persons by Sex and Age Group in the Shelters



HEALTH NEEDS

GRENADA AND SAINT VINCENT AND THE GRENADINES

- Adequate health sector waste disposal in Saint Vincent and the Grenadines.
- Psychosocial support for those affected, either directly or indirectly by the hurricane with a special focus on healthcare workers.
- Detailed damage assessment of health facility infrastructure.
- Repairs to damaged health facilities, including water storage rehabilitation and replacement of damaged health supplies and equipment, such as vaccines and essential medications.
- Safe shelter/accommodation for health care staff on affected islands.
- Health care staff replacement to relieve overworked colleagues working in harsh conditions
- Replacement of critical medicines, medical supplies, equipment, laboratory reagents, and other health commodities including vaccines
- Increase surveillance, especially in the shelters.
- Provision of food rations and water for health care workers.

GRENADA

- Twenty-seven (27) health centres and medical stations have requested generators. PAHO is sending two, underscoring the need for more. Additionally, six medical stations require water tanks.
- Solutions to water supply, transportation and debris clearance issues to mitigate the risk of a public health crisis.

For more details, see appendix 2 for the complete list of supplies needed.



GOVERNMENT RESPONSE

- In a press release dated 9 July 2024 the government of Grenada issued an urgent call to individuals, locally and internationally to volunteer their time and skills to assist in the relief efforts
- Public health interventions are ongoing between the islands which include inspections, disinfection and sanitation measures.
- The government has prioritized a WASH Hygiene Education program for St Vincent main island with a focus on shelters.
- Vulnerable persons are being evacuated to mainland Grenada to stay with family and friends.
- Plans to evacuate residents of the Top Hill Senior Citizens Home in Carriacou to mainland Grenada.
- Two sites are present being explored, one in St David and one in St George to accommodate the elderly residents.
- In Grenada, the government has centralized all donations/supplies through the National Disaster Management Agency (NaDMA) for distribution; these donations will be tax and duty exempt once sent through this channel.
- State of emergency remains in place for Carriacou and Petite Martinique, curfew is 6:00pm to 6:00am. All persons travelling to Carriacou require approval.
- No mandatory evacuation but vulnerable persons are being evacuated to mainland Grenada to stay with family and friends. There are plans to evacuate residents of the Top Hill Senior Citizens home in Carriacou to mainland Grenada; two sites being explored to accommodate elderly residents.
- Total of 10 elderly persons from Top Hill Senior Citizens Home, Carriacou and Petite Martinique have been relocated to mainland Grenada.
- World Food Programme (WFP) disbursed an immediate cash advance to vulnerable persons.
- In Grenada, Health Promotion Unit has set up a 'WhatsApp Health Channel' to allow persons to connect with the Ministry for health information

PAHO RESPONSE

- A PAHO/WHO health facility damage assessment expert in Grenada as part of RNAT working with the Ministries of Health.
- Specialists in the areas of environmental health, health services, and damage assessment are also now on the ground in St Vincent and the Grenadines.
- Participated in the CLS & CERF trainings.
- PAHO provided input to the Flash Appeals and CERF Application for Grenada and St Vincent and the Grenadines.
- Regional Emergency Medical Team (EMT) network is activated.
- PAHO/WHO continues to coordinate with a Samaritan's Purse EMT in Carriacou and another in Union Island.
- Ongoing coordination with the MOHs (PSs, CMOs, MOH Disaster coordinators and focal points) in countries.

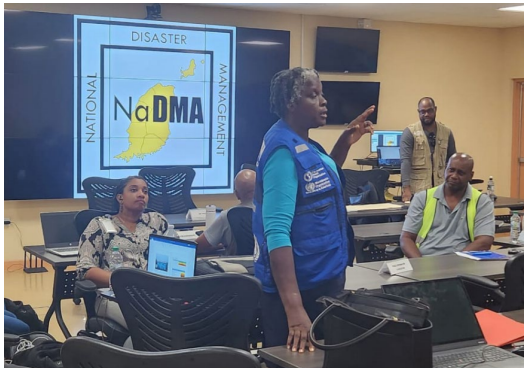


Joyce Thomas discussing health needs at the Samaritan's Purse EMT on Carriacou, Grenada

COORDINATION

- MHPSS coordination meeting was held today, July 10, 2024.
- Health Sector Coordination Meeting is set for tomorrow, July 11, 2024.
- PAHO continues to closely coordinate with CDEMA, WFP, IOM and other UN and regional agencies.
- PAHO continues to participate in the CDGP meetings.

- The CMT remains active and continues to follow up with the MOHs as we await further information.
- Antigua and Barbuda Defense Force on the ground under Regional Security Systems (RSS).
- Contact remains with CDEMA, CARPHA, UN agencies, and other relevant organizations.



Joyce Thomas presenting at a RNAT brief in Grenada



Dr. Karen Polson (r) and Peter Burgess in a planning meeting – St. Vincent



Katrina Smith (l) and Peter Burgess - Data collection at the HEOC in St. Vincent

APPENDIX – 1

Supplies donated to the Ministry of Health, St. Vincent and the Grenadines as of 7 July 2024

Description	# Quantity
All Steel Economy Shovel Square Mouth	6
Stiff Green Yard Broom 12" With Handle 9.50	8
Garbage Bin Wheeled Green 240L/55Gallon Wheelie Bin	5
3" x 50' Delivery Hose (Blue) with Male & Female Camlocks	4
3" x 14' Suction Hose (Green) with Female Camlock	4
STIHL WP600 Water Pump 3", 212cc, 4.4kw, 264 Gal/Min S/N 951636949 591636967 951636948 951636954	4
SCEP Gas Can 5.3 Gallon (20L) Red	4
Black Floor Squeegee with handle 30"	5
ELITE Lemon Gard Disinfectant Cleaner 4 Litre/1 Gallon ELITE Lemon Gard Disinfectant Cleaner 4 Litre/1 Gallon	39
BOSS PVC Raincoat 48" (2XL) BOSS PVC Raincoat 48" (3XL)	19
Classic Raincoat, Navy - Sz. S - 20 Each Classic Raincoat, Navy - Sz. M - 14 Each Classic Raincoat, Yellow - Sz. M - 10 Each Classic Raincoat, Yellow - Sz. M - 5 Each Classic Raincoat, Black - Sz. L - 30 Each Classic Raincoat, Navy - Sz. XL - 15 Each	94
Tall Water Boot, Green, (Sz.12) (C8) - 15 Pairs Tall Water Boot, Green, (Sz.13) - 10 Pairs	25
Tall Water Boot, White, (Sz.10) (C8) - 15 Pairs	15
Tall Water Boot, White, (Sz. 6) (C8) - 15 Pairs Tall Water Boot, White, (Sz. 7) (C8) - 15 Pairs Tall Water Boot, White, (Sz. 8) (C8) - 15 Pairs Tall Water Boot, White, (Sz. 9) (C8) - 15 Pairs Tall Water Boot, White, (Sz.11) (C8) - 15 Pairs	75
Tarpaulin Ploly Blue 45' x 30' / 13.7 x 9m	20
Tarpaulin Ploly Blue 30' x 24' / 9 x 7.3m	15
Tarpaulin Ploly Blue 24' x 18' / 5.5 x 7.3m OSV	10
Tarpaulin Ploly Blue 18' x 12' / 5.5 x 3.65m	5
KARCHER BP 3 Water Pump Complete with Tank and Pressure Switch 1.0HP 800W 3000L/H (B1) - S/N 010940, 065864, 011606, 011616	4
KARCHER BP 4.9 Water Pump Complete with Tank and Pressure Switch 1.5HP 1100W 4500L/H - S/N 012318, 012371, 012240, 012234, 012243, 012304, 012373, 012372, 012307, 036130, 012365	11
Generator 10,000 Watts Red Dual (Fuel PWRD)	1
650 GL Water Tanks 77.5"x 52"	7
1000 GL Water Tanks 100"x 65.5"	8
650 GL Water Tanks 77.5"x 52"	2
1000 GL Water Tanks 100"x 65.5"	2
Chlorine Drums	12
Aguatabs 33mg	120,000
Aguatabs 67mg	32,000

Water testing kits HACH CN70	6
Generator 6500W	2
Deployment bags	10

Supplies donated to the Ministry of Health, Grenada as of 7 July 2024

Description	# Quantity
Aguatabs 33mg	120,000
Aguatabs 67mg	32,000
Water testing kits HACH CN70	6
Generator 6500W	2
Deployment bags	10

APPENDIX – 2

List of supplies needed for Grenada

Description	# Quantity
5-gallon Jerry cans (water)	
Adult pampers	
Baby Formula	
Baby pampers & wipes	
Batteries & Battery packs	
Books/coloring books for children	
Chain saw	
Collapsible water bladders (3,000 gallons and bigger)	
Cots & sleeping blankets	
Emergency solar/battery operated radios	
First aid kits	
Flashlights (Solar)	
Fuel cans	
Hand Sanitizers	
Hygiene kits for children	
Hygiene kits for women and men	
Nonperishable food such as milk, mixed vegetables, sardines, corn etc.	
Pillows	
Reflective Vests	
Sanitary Napkins	
Solar lights Generators (5,000 watts)	
Spare bars & chains (18 – 32-inch blades)	
Tarpaulin (100ft, 40x30ft)	
Toiletries	
Water	

List of supplies needed for St. Vincent and the Grenadines

Description	# Quantity
1000 GL Water Tanks 100"x 65.5"	8
1000 GL Water Tanks 100"x 65.5"	2
650 GL Water Tanks 77.5"x 52"	7
650 GL Water Tanks 77.5"x 52"	2
Adult Diapers	1,000 CASES
Battery Operated Lantern/Solar	5,000
Bedding Kits	30,000
Chain Saws and Accessories	100
Children Pampers	1,000 CASES
Chlorine Drums	12
Cots	20,000
Flashlights With Batteries	5,000
Generator	5
Generators	45
Hygiene Kits	30,000
Mattresses	1,500
Mattresses	3,000
Power Banks	200
Rakes	600
Ropes	2,000
Shovels	5,000
Tarpaulins	8,000
Tarpaulins	3,000
Tarpaulins	8,000
Water Jugs	30,000
Wheel Borrowes	600

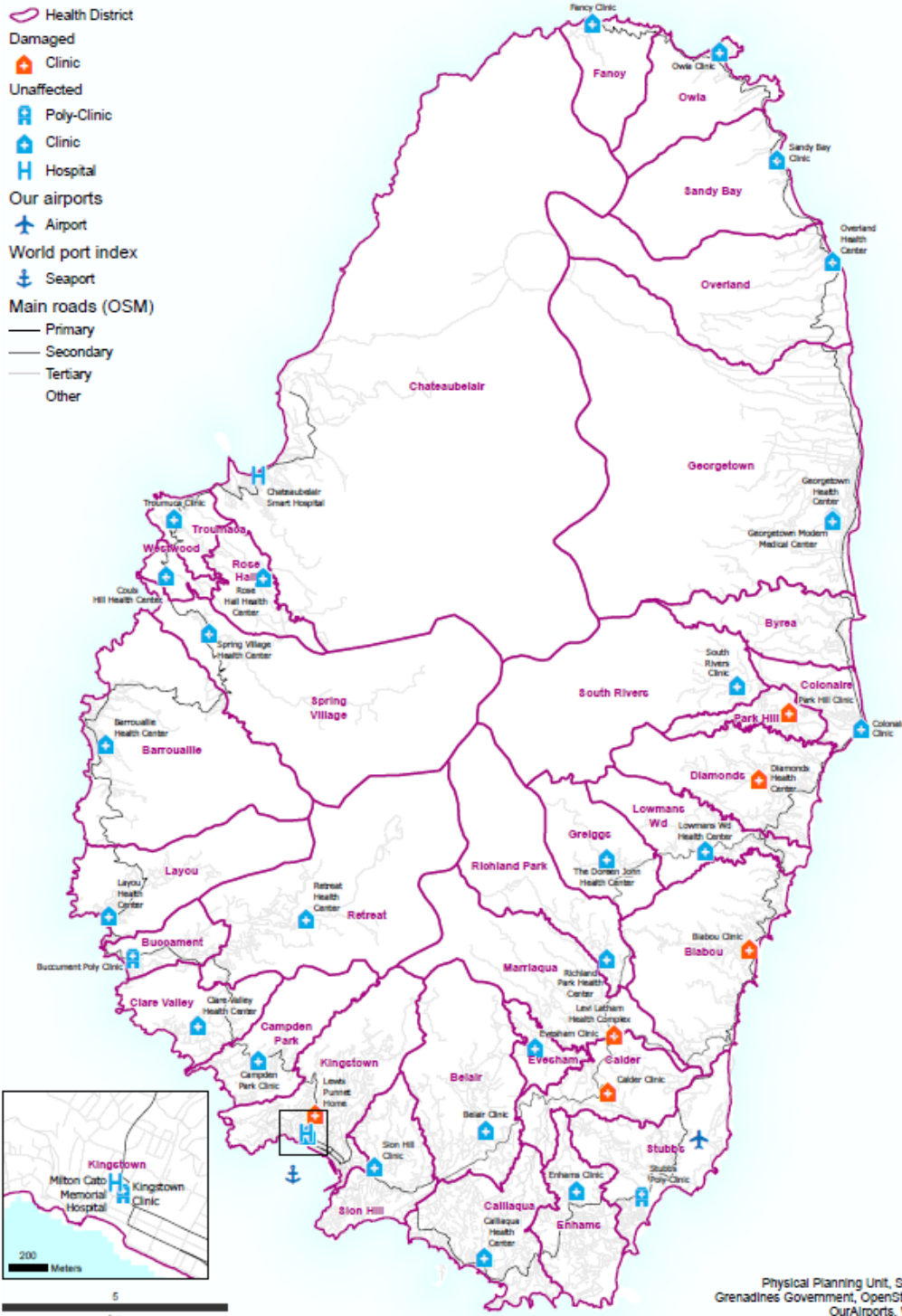
APPENDIX – 3

Status maps of healthcare facilities in Grenada and St. Vincent & the Grenadines



St Vincent & Grenadines: Hurricane Beryl
St Vincent Health Facilities and Districts

MA016 v01



The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations or MapAction.

Data Sources
Physical Planning Unit, St Vincent and the Grenadines Government, OpenStreetMap, GADM, OurAirports, World Port Index.

Map created by MapAction (06/07/2024)



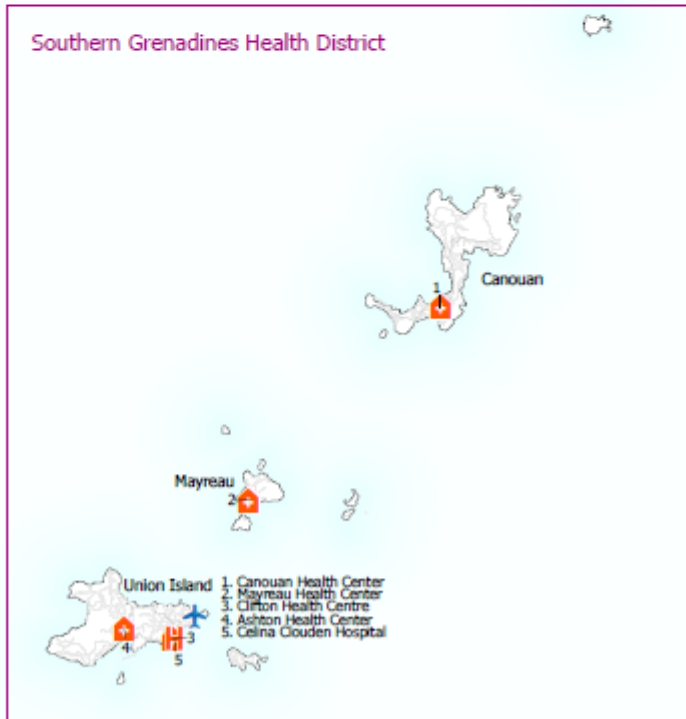
Health Facility

Damaged

- Clinic
- Hospital
- Airport
- Seaport

Main roads (OSM)

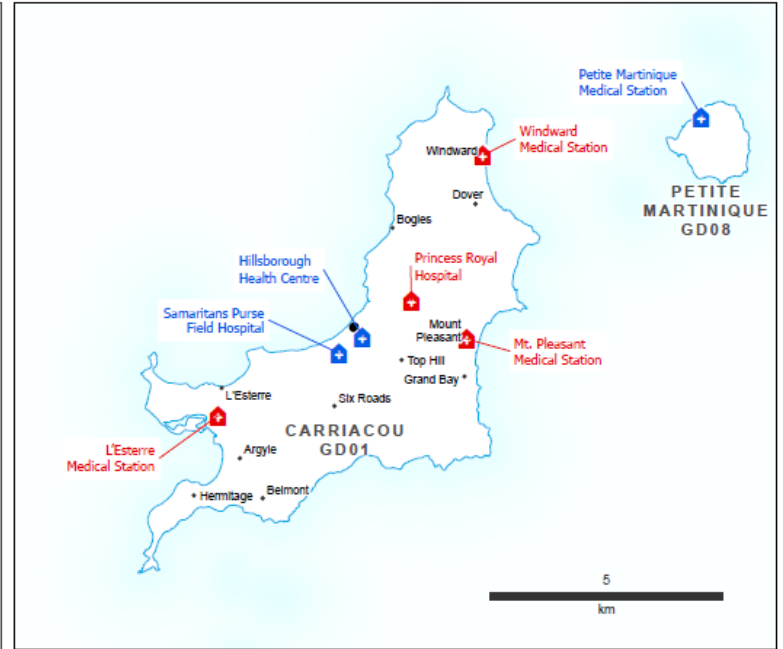
- Primary
- Secondary
- Tertiary
- Other



The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations or MapAction.

Data Sources
Physical Planning Unit, St Vincent and the Grenadines Government, OSM, OurAirports, GADM, World Port Index.

Map created by MapAction (06/07/2024)



Health Facilities

- Closed
- Open

Settlement

- Capital
- Town
- Village

Boundary

- Parish

Health Facilities on Grenada and Carriacou based on data from Pan American Health Organisation (PAHO), dated 8 July 2024.

Data Sources
Pan American Health Organisation, OpenStreetMap, GeoChis

Map created by MapAction (09/07/2024)

The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations or MapAction.

Supported by German Federal Foreign Office