

# HURRICANE BERYL

Grenada and St. Vincent & the Grenadines

# PAHO



## Situation Report # 12 – 12 August 2024



Fogging machines provided by PAHO and shipped to Carriacou, Grenada – 29 July 2024

- Detailed damage assessment of 10 affected healthcare facilities in Carriacou, Petite Martinique and Grenada (mainland) was conducted during the period 23rd to 31st July 2024. Rapid restoration efforts in progress to facilitate the restoration of health services in severely impacted health facilities.
- Between July 11 and July 24, 2024, technical support was provided to MoHWE in implementing comprehensive mental health and psychosocial support to address the needs of individuals, healthcare workers, and communities affected by Hurricane Beryl through an assessment and coordination of MHPSS activities in St Vincent and the Grenadines.
- Dengue cases continue to increase in Grenada. A 257% increase in undifferentiated fever at Epi week 31, 2024 was also observed compared to the previous week, most cases were recorded in St Andrew district.
- An increase in undifferentiated fever cases was observed and is being monitored in both age groups in Saint Vincent and The Grenadines. Enhanced entomological surveillance and vector control efforts are being intensified to control and manage the situation.
- Public health messaging pertaining to dengue, gastroenteritis, flu and COVID-19 intensified in both Grenada and St Vincent and the Grenadines.

### IN NUMBERS

**215,530**

**Potentially exposed<sup>1</sup>**

**11 Deaths<sup>2</sup>**

**30 Injured<sup>3</sup>**

**0 Missing<sup>4</sup>**

**1000**

**Evacuated<sup>5</sup>**

**14 Damaged health facilities<sup>6</sup>**

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

2,3,4,5: MOHE SVG Sitreps, OCHA (09/07/2024); IOM (10/07/2024); MapAction (11/07/2024 a); MapAction (11/07/2024 b); ECHO (10/07/2024).

6: PAHO preliminary assessment reports of health facilities in Grenada and St Vincent and the Grenadines (31/07/24).

## GRENADA AND ST. VINCENT AND THE GRENADINES

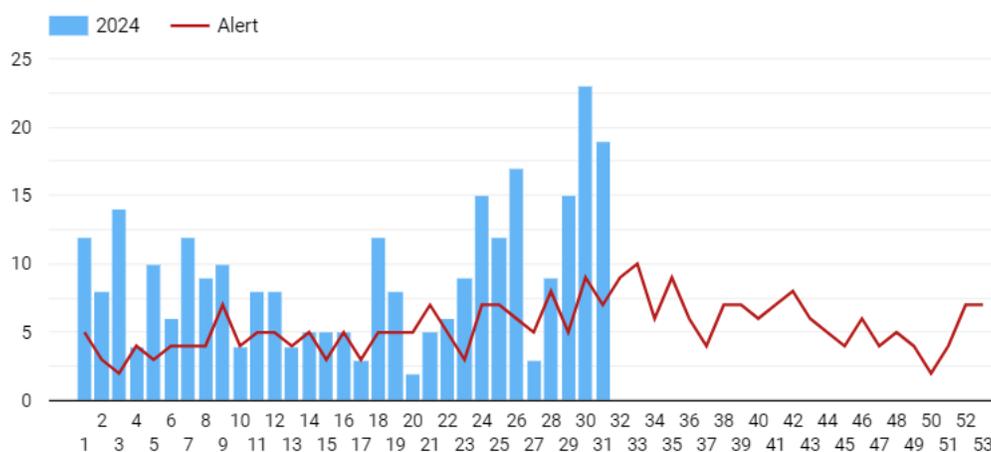
- Both countries are enhancing their routine surveillance systems in communities and in shelters. Successful implementation of shelter surveillance generates daily reports for stakeholders.
- MOHs continue deployment of public health nurses and environmental health officers to monitor shelters and address health needs.
- Health authorities continue to share shelter surveillance bulletins with relevant parties, monitoring regularly disease trends and outbreaks, taking proactive measures to prevent spread.
- Connectivity issues on affected islands to improve data collection and reporting.
- Human resource challenges to enhance surveillance activities.

## GRENADA

### Routine Surveillance:

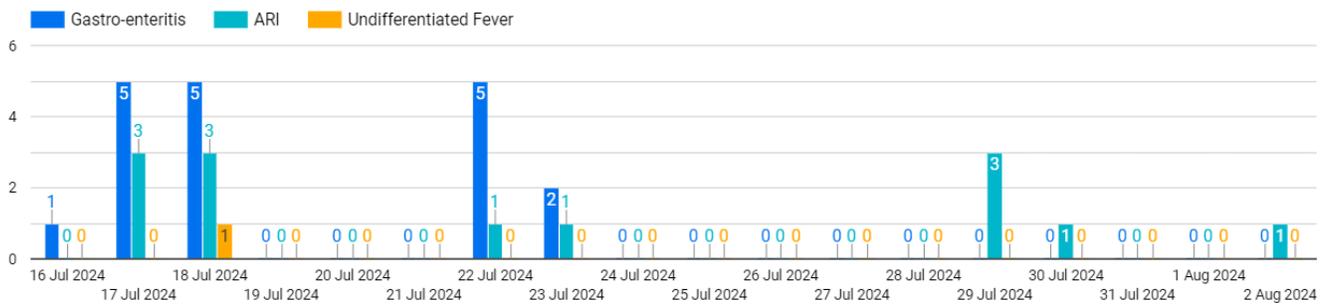
- Dengue cases in Grenada continue to increase, with 19 dengue cases reported for Epi week 31. Epidemiological investigation continues.
- Enhanced entomological surveillance and vector control efforts are being intensified to control and manage the situation.
- Increased public education continues to sensitize the public on the issue emphasizing the need to take measures to avoid mosquito bites, eliminate breeding sites for mosquitoes and seek immediate medical attention if ill.
- We were also able to observe a 257% increase in undifferentiated fever at Epi week 31, 2024 compared to the previous week, the majority of cases were recorded in St Andrew district.

### Dengue cases by Epi week, Grenada

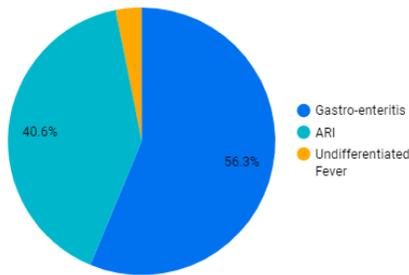


Surveillance at the shelters post hurricane Beryl in Grenada on 7 August 2024

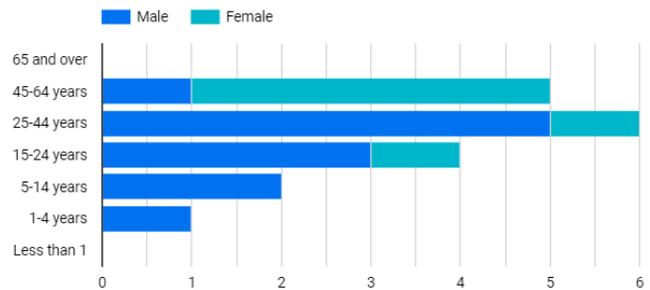
Conditions reported daily



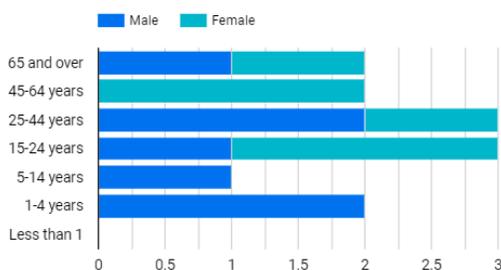
Conditions reported



Total Gastroenteritis by Age Group and Sex



Total ARI by Age Group and Sex



Conditions Reported in the Shelters

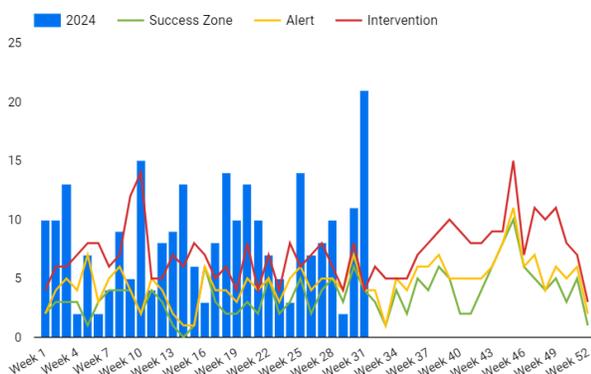
| Island             | Gastro-enteritis | ARI       | Undifferentiated Fever |
|--------------------|------------------|-----------|------------------------|
| Carriacou          | 18               | 11        | 1                      |
| Petite Martinique  | 0                | 2         | 0                      |
| <b>Grand total</b> | <b>18</b>        | <b>13</b> | <b>1</b>               |

SAINT VINCENT AND THE GRENADINES

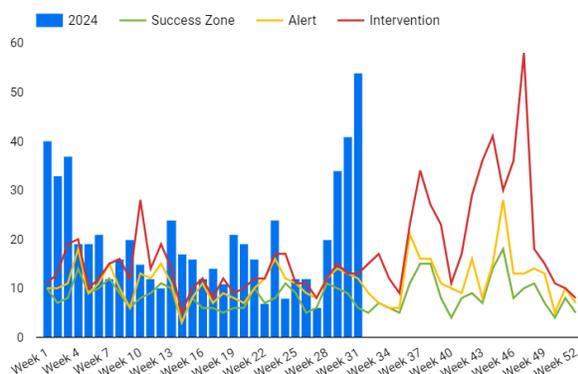
Routine Surveillance:

- An increase in undifferentiated fever cases was observed in both age groups, however this increase was progressive over the last 4 weeks among those ≥ 5 years old.

Undifferentiated Fever <5 by Epiweek, 2024



Undifferentiated Fever ≥ 5 by Epiweek, 2024



## Mental Health Services Assessment

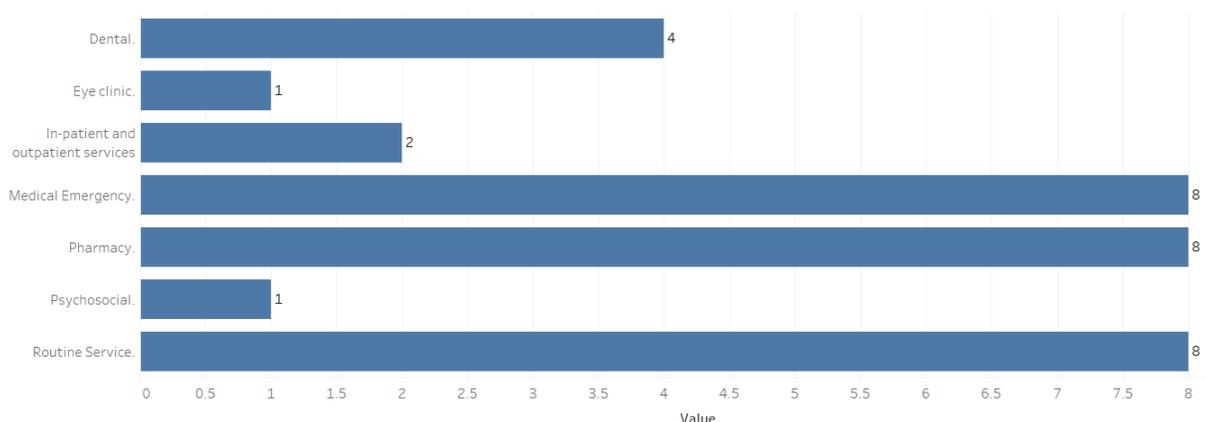
### Preexisting population health concerns:

- **COVID-19 Impact:** St. Vincent and the Grenadines were already grappling with the aftermath of three significant COVID-19 outbreaks, with over 100 deaths by May 2022. The pandemic had severely impacted mental health outcomes, which were further stressed by Hurricane Beryl.
- **Environmental Crises:** Before Hurricane Beryl, the country was still recovering from the 2022 La Soufrière volcanic eruption. The hurricane has compounded these challenges, further straining health resources and exacerbating existing health issues, particularly mental health.
- **Chronic Illnesses:** The prevalence of chronic diseases such as diabetes, hypertension, and heart disease poses significant risks, especially as healthcare services are disrupted in the aftermath of the hurricane.

### Mental health services:

- **Strain on Psychiatric Facilities:** The Mental Health and Rehabilitation Center, which had expanded from 90 to 180 beds, is under increased pressure due to the rise in mental health cases following the hurricane.
- **Outpatient and Community Services:** The community mental health teams and outpatient psychiatric services are critical in addressing the growing mental health needs but are likely overwhelmed due to the disaster's impact.
- **Mental Health Disaster Plan:** The updating and finalization of the mental health disaster plan is critical to effectively respond to the mental health needs post-hurricane.

### Number of Health facilities affected by Services, Saint Vincent and The Grenadines



## HEALTH RISK ASSESSMENT

- The compounded stress of Hurricane Beryl on top of previous crises like COVID-19 and the volcanic eruption has significantly increased the risk of mental health disorders, including depression, anxiety, and PTSD in Saint Vincent and the Grenadines.
- The disruption of healthcare services due to the hurricane may lead to poor management of chronic illnesses, potentially increasing morbidity and mortality among those with conditions like Diabetes and Hypertension.
- Vulnerable populations, including the elderly, children, pregnant women, and individuals with preexisting mental health conditions, face increased risks due to the combined effects of displacement, stress, and disrupted services.
- Post-hurricane communication breakdowns are impeding the efficient coordination of health services, which could delay responses and worsen health outcomes.
- The high levels of stress and burnout among MHPSS professionals following the hurricane could lead to a decline in the quality of care, further straining the already burdened health system.





# INFRASTRUCTURE

Thorough evaluations have been carried out on health facilities in both countries to assess the extent of damage. Swift restoration efforts include the installation of tarps on roofs, repair of windows and doors, replacement and repairs of air conditioning systems, and thorough cleaning of the facilities.

## GRENADA

Of the 41 healthcare facilities, 4 are currently still non-functional but repairs are taking place to facilitate resumption of services.

|                        |          |
|------------------------|----------|
| <b>Not Operational</b> | <b>4</b> |
| Operational            | 37       |
| Grand Total            | 41       |

| Island    | Status          | Facility name               |
|-----------|-----------------|-----------------------------|
| Carriacou | Not Operational | Princess Royal Hospital     |
|           |                 | L'esterre Health Centre     |
|           |                 | Windward Medical Station    |
|           |                 | Mt Pleasant Medical Station |

Summary result of detailed damage assessment of ten (10) affected healthcare facilities in Carriacou, Petit Martinique and Grenada (mainland) during the period 23rd to 31st July 2024:

| Location         | Facility                                  | Operational Status | Building structure | Roof structure | Roofing | Windows | Doors | Shutters | Flooring | Plumbing (visible) | Roof gutter | Water tank | Electrical (visible) | Generator | Air Condition | Solar Water Heater | PV System |
|------------------|---|--------------------|--------------------|----------------|---------|---------|-------|----------|----------|--------------------|-------------|------------|----------------------|-----------|---------------|--------------------|-----------|
| Petit Martinique | Petit Martinique Medical Station          | F                  |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |
| Carriacou        | Windward Medical Station                  | NF                 |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |
|                  | Mount Pleasant Medical Station            | NF                 |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |
|                  | Lesterre Health Centre                    | NF                 |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |
|                  | Hillsborough Smart Health Centre          | F                  |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |
|                  | Princess Royal Hospital                   | NF                 |                    |                |         |         |       |          |          |                    |             |            | **                   |           |               |                    |           |
| Grenada          | Central Medical Stores (Smart)            | F                  |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |
|                  | *Richmond Home (Smart)                    | F                  |                    |                | *       |         |       |          |          |                    |             |            |                      |           |               |                    |           |
|                  | Princess Alice Smart Hospital             | F                  |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |
|                  | <sup>h</sup> Mt. Gay Psychiatric Hospital | F                  |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |
|                  | River Sallee Medical Station              | F                  |                    |                |         |         |       |          |          |                    |             |            |                      |           |               |                    |           |

**Legend**

- Minimal
- Moderate
- Severe
- Not applicable
- Unknown

F: Functional, NF: Non-Functional

\*Richmond Home Hanson House storage (not part of Smart) - roof partially lost galvanised roof sheets and battens.

\*\* Princess Royal Hospital rainwater tank was leaking prior to hurricane Beryl. Loss of guttering which supplies the rainwater tank, and the continuous leaking renders the facility without adequate water.

§Only the roof was assessed at Mt. Gay Hospital. The timber roof structure is rated as severe, not because of damage from hurricane Beryl, but due to severe termite deterioration resulting in inadequate integrity to hold the roof sheets. The roof structure and roof sheets are highly vulnerable to damage.

- Carriacou and Petit Martinique bore the majority of impact following hurricane Beryl. Facilities on Grenada mainland were minimally impacted and all facilities remain operational requiring small repairs and continued maintenance.
  - The Hillsborough Smart Health Centre stands as a beacon in Carriacou, which was the worst impacted island, as the only operational facility after hurricane Beryl.
  - The standing seam roof sheeting at Princess Royal Hospital had insufficient resilience to withstand the wind speeds experienced at that location. Despite being non-functional, except for the kitchen services, following the event due to the ingress of rains after the loss of the roof sheets, the damage to the rest of the facility (windows, doors, floors, generator, air condition, ceiling, toilets, etc.) was minimal, except for the loss of the rainwater gutter which the facility relies on as its primary water supply. The restoration of the roof sheets and guttering, and repairs to the staff housing should be treated as a priority to restore full services at the hospital. The emergency area where the roof sheeting remained intact is used to store medical supplies, records and equipment as well as house some of the staff from Carriacou who lost their homes.
  - The other health facilities, which are not PAHO “smarten” facilities, also lost roof sheets, partial damage to roof structures and sustained broken windows resulting in water damage. The restoration of services at these facilities is further impeded by not having generators and losing storage water tanks and/or water pump connections and the rainwater gutters. Immediate repairs as per the recommendations are necessary to restore partial healthcare services initially and then fully at these facilities.



Assessment of Mt Pleasant Medical Station, Carriacou, Grenada

## **ST. VINCENT AND THE GRENADINES**

### **Health Facilities assessment:**

|                        |           |
|------------------------|-----------|
| <b>Not Operational</b> | <b>4</b>  |
| Operational            | 45        |
| <b>Grand Total</b>     | <b>49</b> |

| Island               | Status          | Facility name                 |
|----------------------|-----------------|-------------------------------|
| Grenadines - Canouan | Not Operational | Canouan Clinic                |
|                      |                 | Ashtom Clinic                 |
|                      |                 | Celine Clouden Hospital       |
| St. Vincent          | Not Operational | Barrouallie Health Centre     |
|                      |                 | Calder Health centre          |
|                      |                 | Retreat/Vermont Health Centre |

## WASH

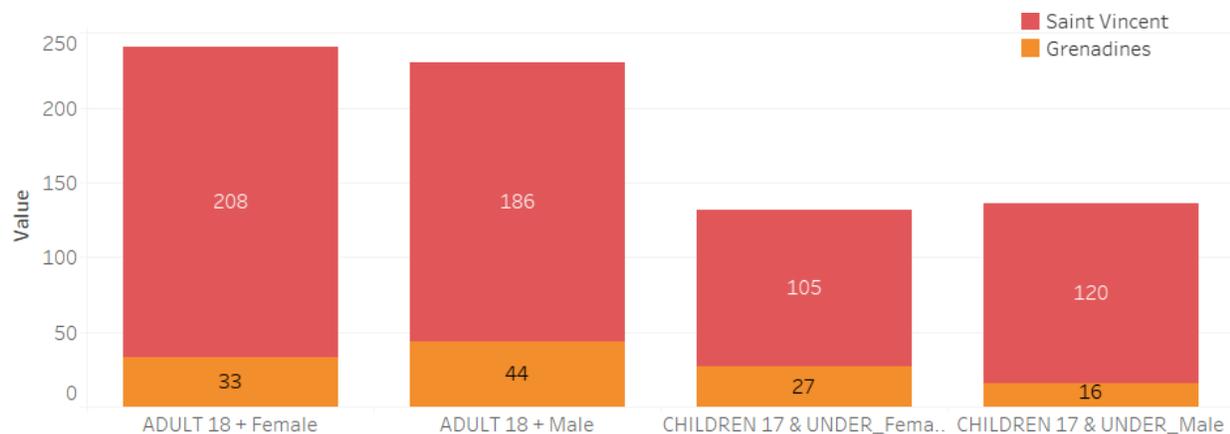
Ongoing efforts to fully restore water and electricity are taking place in both countries. Water disinfectant supplies are distributed to both countries. Support is also being provided to promote safe water use, including tips to disinfect water before use.

## SHELTER

\*Please note the status of the number of people in shelters is constantly changing as occupants arrive and leave. See Appendix 3 for detailed shelter information.

### ST. VINCENT AND THE GRENADINES

Number of persons by Sex and Age Group in the Shelters on August 7<sup>th</sup>, 2024



## 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.
- Finalization of detailed damage assessment of health facility infrastructure with costing estimates for the repairs.
- Repairs to damaged health facilities, including water storage rehabilitation and replacement of damaged health supplies and equipment, such as refrigerators for cold chain, 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.

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



# RESPONSE

## GOVERNMENT RESPONSE

### 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.
- Vector control activities in both countries have been intensified especially with increased dengue cases in Grenada.
- The Health Promotion Unit continues to host “Movies in the Shelter” in impacted locations. Public health messaging pertaining to gastroenteritis, the flu, dengue and Covid-19 are also disseminated.



Movie night at one of the shelters - photo credit Keville Frederick, MOH Senior Health Promotion Officer

### SAINT VINCENT AND THE GRENADINES:

- The breakdown in communication systems post-hurricane has significantly hampered effective coordination and response, delaying the delivery of essential health services. Mental Health and Psychosocial Support (MHPSS) services to be enhanced to address the psychosocial impact of Hurricane Beryl.
- The government has prioritized a WASH Hygiene Education program for St Vincent main island with a focus on shelters.
- Public health interventions are ongoing between the islands which include inspections, disinfection and sanitation measures.
- It was reported that debris cleanup in the southern Grenadines is ongoing.

## PAHO RESPONSE

- PAHO is finalizing health facility and services assessments, including environmental health and MHPSS support.
- Assisting MOHs in strengthening surveillance in shelters in both Grenada and St Vincent and the Grenadines.
- Organized logistics to transport materials and supplies to the affected Islands.
- Procurement and distribution of supplies as per the Ministry of Health needs list.
- Coordinated with Samaritan’s Purse EMT in Carriacou on their phase out plans.
- Ongoing coordination with the MOHs (PSs, CMOs, MOH Disaster coordinators and focal points) in countries.
- Technical advice provided to MOHs on health education messages to be published.
- PAHO participated in OCHA REDLAC led lessons learnt session on WASH, health, shelter and logistics.
- PAHO Barbados & ECC Office conducted an Intra-Action Review of the post Hurricane Beryl Response.

## COORDINATION

- The second MHPSS coordination meeting was convened by PAHO and held on July 25, 2024. Coordination meetings held with CANPA, HIAS.
- Weekly Health Sector Coordination Meetings continue with the last one held on 25 July 2024.
- PAHO continues to closely coordinate with CDEMA, WFP, IOM and other UN and regional agencies.
- PAHO continues to participate in the CDPG meetings.
- The CMT remains active and continues to follow up with the MOHs as we await further information.
- Contact remains with CDEMA, CARPHA, UN agencies, and other relevant organizations.



## 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<br>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<br>ELITE Lemon Gard Disinfectant Cleaner 4 Litre/1 Gallon  | 39         |
| BOSS PVC Raincoat 48" (2XL)<br>BOSS PVC Raincoat 48" (3XL)  | 19         |
| Classic Raincoat, Navy - Sz. S - 20 Each<br>Classic Raincoat, Navy - Sz. M - 14 Each<br>Classic Raincoat, Yellow - Sz. M - 10 Each<br>Classic Raincoat, Yellow - Sz. M - 5 Each<br>Classic Raincoat, Black - Sz. L - 30 Each<br>Classic Raincoat, Navy - Sz. XL - 15 Each | 94         |
| Tall Water Boot, Green, (Sz.12) (C8) - 15 Pairs<br>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<br>Tall Water Boot, White, (Sz. 7) (C8) - 15 Pairs<br>Tall Water Boot, White, (Sz. 8) (C8) - 15 Pairs<br>Tall Water Boot, White, (Sz. 9) (C8) - 15 Pairs<br>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<br>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<br>Switch 1.5HP 1100W 4500L/H - S/N 012318, 012371, 012240,<br>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         |
| Water testing Kits – To NAWASA (National Water & Sanitation Authority) | 2          |

## APPENDIX – 2

### List of supplies needed for Grenada

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

### 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 Borrows              | 600    |

## APPENDIX – 3

### St. Vincent and the Grenadines

| Name of Shelter                               | Location           | Adult 18+ |        | Children 17 & under |        | TOTAL |
|---|--------------------|-----------|--------|---------------------|--------|-------|
|   |                    | Male      | Female | Male                | Female |       |
| Apostolic Faith Mission Church                | Questelles         | 3         | 2      | 0                   | 0      | 5     |
| Argyle Government School                      | Argyle             | 12        | 11     | 3                   | 3      | 29    |
| Barrouallie Emergency Shelter                 | Barroualie         | 6         | 3      | 2                   | 1      | 12    |
| Belmont Government School *                   | Belmont            | 8         | 5      | 3                   | 7      | 23    |
| Brighton Methodist School                     | Brighton           | 9         | 7      | 3                   | 5      | 24    |
| Buccament Bay Secondary School                | Buccament          | 6         | 6      | 5                   | 3      | 20    |
| Calder Seventh Day Adventist Church           | Calder             | 6         | 2      | 0                   | 0      | 8     |
| Calliaqua Anglican School*                    | Calliaqua          | 11        | 8      | 6                   | 5      | 30    |
| Calliaqua Town Hall*                          | Calliaqua          | 5         | 4      | 2                   | 5      | 16    |
| Campden Park (Bethel) Secondary School        | Campden Park       | 9         | 5      | 0                   | 4      | 18    |
| Chateaubelair NTCOG                           | Chateaubelair      | 1         | 2      | 0                   | 4      | 7     |
| Chester Cottage Community Centre              | Chester Cottage    | 4         | 4      | 4                   | 5      | 17    |
| Church of Ascension - Anglican Church         | Sion Hill          | 6         | 8      | 6                   | 3      | 23    |
| Clare Valley Community Centre                 | Clare Valley       | 5         | 5      | 5                   | 2      | 17    |
| COG Worldwide Mission Pentecostal             | Redemption Sharpes | 6         | 5      | 3                   | 2      | 21    |
| Diamond Government School                     | Diamonds           | 4         | 3      |                     | 1      | 8     |
| Dorsetshire Hill Evangelical Church           | Dorsetshire Hill   | 4         | 2      | 1                   | 1      | 8     |
| Dr. J.P. Eustace Memorial School - Edinboro * | Edinboro           | 22        | 30     | 18                  | 10     | 80    |
| Evesham Learning Resource Centre              | Evesham            | 2         | 4      | 0                   | 0      | 6     |
| Fair Hall Primary School                      | Fair Hall          | 19        | 14     | 10                  | 8      | 51    |
| Georgetown Secondary School                   | Georgetown         | 6         | 6      | 3                   | 3      | 18    |
| Golden Grove Activity Centre                  | Fitz Hughes        | 0         | 1      | 1                   | 3      | 5     |
| Golden Years Activity Centre                  | Buccament          | 0         | 0      | 1                   | 0      | 1     |
| Kingstown Government School *                 | Stoney Ground      | 27        | 24     | 17                  | 8      | 76    |
| Langley Park Government School                | Langley Park       | 4         | 4      | 5                   | 1      | 14    |
| Layout Grace and Truth Hall                   | Layout             | 2         | 8      | 1                   | 5      | 16    |
| Lowmans Leeward Anglican Primary School       | Lowmans Leeward    | 7         | 10     | 7                   | 6      | 30    |
| New Prospect Primary School                   | Simon              | 4         | 5      | 1                   | 1      | 11    |
| New Testament Church - Lodge Village          | Lodge Village      | 0         | 3      | 0                   | 1      | 4     |
| Park Hill Government School                   | Park Hill          | 1         | 8      | 7                   | 5      | 21    |
| Petit Bordel Secondary School*                | Petit Bordel       | 5         | 6      | 3                   | 5      | 19    |
| Rillan Hill Community Centre                  | Rillan Hill        | 3         | 4      | 1                   | 1      | 9     |
| Rose Hall Community Centre                    | Rose Hall          | 5         | 11     | 7                   | 6      | 29    |
| Sion Hill Government School                   | Sion Hill          | 7         | 10     | 10                  | 8      | 35    |
| South Leeward Learning Resource Centre        | Questelles         | 5         | 10     | 3                   | 2      | 20    |

| Name of Shelter                   | Location     | Adult 18+  |            | Children 17 & under |            | TOTAL      |
|-----------------------------------|--------------|------------|------------|---------------------|------------|------------|
|                                   |              | Male       | Female     | Male                | Female     |            |
| Troumaca Government School        | Troumaca     | 7          | 3          | 5                   | 2          | 17         |
| <b>Total Formal Shelters</b>      |              | <b>231</b> | <b>243</b> | <b>143</b>          | <b>126</b> | <b>748</b> |
| <b>GRENADINES</b>                 |              |            |            |                     |            |            |
| Bequia Anglican Primary School    | Bequia       | 22         | 12         | 6                   | 13         | 53         |
| Canouan Adventist Church          | Canouan      |            |            |                     |            | 27         |
| Canouan Anglican Church           | Canouan      |            |            |                     |            | 13         |
| Canouan Anglican Church Rectory   | Canouan      |            |            |                     |            | 12         |
| Canouan Catholiic CHurch          | Canouan      |            |            |                     |            | 11         |
| Canouan Government School         | Canouan      |            |            |                     |            | 46         |
| Clifton Pre School - New          | Union Island |            |            |                     |            | 60         |
| Learning Resource Centre – Ashton | Union Island |            |            |                     |            | 43         |
| Mayreau Government School         | Canouan      |            |            |                     |            | 33         |
| Wells of Living Water Church      | Canouan      |            |            |                     |            | 3          |
| <b>Total Grenadines Shelters</b>  |              | <b>22</b>  | <b>12</b>  | <b>6</b>            | <b>13</b>  | <b>301</b> |
| <b>INFORMAL SHELTERS</b>          |              |            |            |                     |            |            |
| Chapmans Community Centre         |              | 4          |            |                     |            | 4          |
| Choppins Community Centre         |              | 2          | 6          | 3                   |            | 12         |
| Mayreau Hard court                | Mayreau      |            |            |                     |            | 11         |
| Ottley Hall SDA                   |              | 6          | 3          | 3                   |            | 15         |
| Pharmacy - Canouan                | Canouan      |            |            |                     |            | 7          |
| The Admin Building - Canouan      | Canouan      |            |            |                     |            | 14         |
| <b>Total informal Shelters</b>    |              | <b>12</b>  | <b>9</b>   | <b>6</b>            | <b>4</b>   | <b>63</b>  |

Grenada – Carriacou shelters – last updated 20 July 2024

| Location  | Status            | No of Shelterees |
|---|-------------------|------------------|
| Bishop's College<br>12.482352, 61.453986  | Official, active  | 11               |
| Dover Govt School Library<br>12.505395, 61.431272                               | Official, active  | 14               |
| Hillsborough Govt Primary School<br>12.484725, 61.452968                        | Official, active  | 30               |
| <a href="#">Bogles Community Centre</a><br><a href="#">12.502601, 61.449016</a> | Closed            |                  |
| Harvey Vale Govt<br>12.45696, 61.474806   | Official, active  | 23               |
| Our Lady of Rosary Catholic School<br>12.472135, 61.4799741                     | Official, active  | 20               |
| <a href="#">Mt Pleasant Govt</a><br>12.478467, 61.434604                        | Official, Closed  | 6                |
| St Thomas Aquina Govt   | Official, active. | 25               |
| Windward Fish Market<br>12.507577, 61.428889                                    | Active pop-up     | 22               |
| Lauriston Mini Stadium<br>12.47467, 61.475709                                   | Active pop-up     | 20               |
| Belair<br>12.493938, 61.441341  | Active popup      | 17               |
| <a href="#">Belair</a><br><a href="#">12.492068, 61.442147</a>                  | Closed            |                  |
| Mt Pleasant<br>12.486008, 61.431597   | Active popup      | 30               |
| Lauriston<br>12.473725, 61.468019   | Active popup      | 12               |
| Lauriston<br>12.474389, 61.470734   | Active popup      | 10               |
| Six Roads<br>12.470305, 61.457365   | Active popup      | 4                |
| <a href="#">Brunswick</a><br><a href="#">12.477432, 61.460206</a>               | Closed            |                  |
| <a href="#">Sunset Beach</a><br><a href="#">12.482236, 61.45877</a>             | Closed            |                  |
| <a href="#">Hillsborough</a>  | Closed            |                  |
| L'Esterre<br>12.471156, 61.481811   | Active popup      | 7                |
| Mt. Pleasant<br>12.478467, 61.434604  | Active popup      | 6                |
| Craigston<br>12.507044, 61.433337   | Active popup      | 5                |
| Dover<br>12.49804, 61.446643  | Active pop-up     | 19               |
| L'Esterre<br>12.471047, 61.481622   | Active popup      | 7                |

| Location                                | Status       | No of Shelterees |
|---|--------------|------------------|
| L'Esterre<br>12.471403, 61.481787       | Active popup | 11               |
| NIS Hill<br>12.470647, 61.466937        | Active popup | 6                |
| Six Roads<br>12.470153, 61.457605       | Active popup | 3                |
| Lauriston                               | Active popup | 4                |
| Six Roads<br>12.467788, 61.460819       | Active popup | 7                |
| Top Hill<br>12.478535, 61.445332        | Active popup | 4                |
| Mt. Desire<br>12.470524, 61.456647      | Active popup | 3                |
| Lauriston<br>12.471775, 61.472729       | Active popup | 9                |
| Pond, L'Esterre<br>12.469355, 61.487747 | Active popup | 10               |
| Bayaleau<br>12.500762, 61.422958        | Active popup | 4                |
| Limlet<br>12.502649, 61.424941          | Active popup | 6                |

# APPENDIX – 4

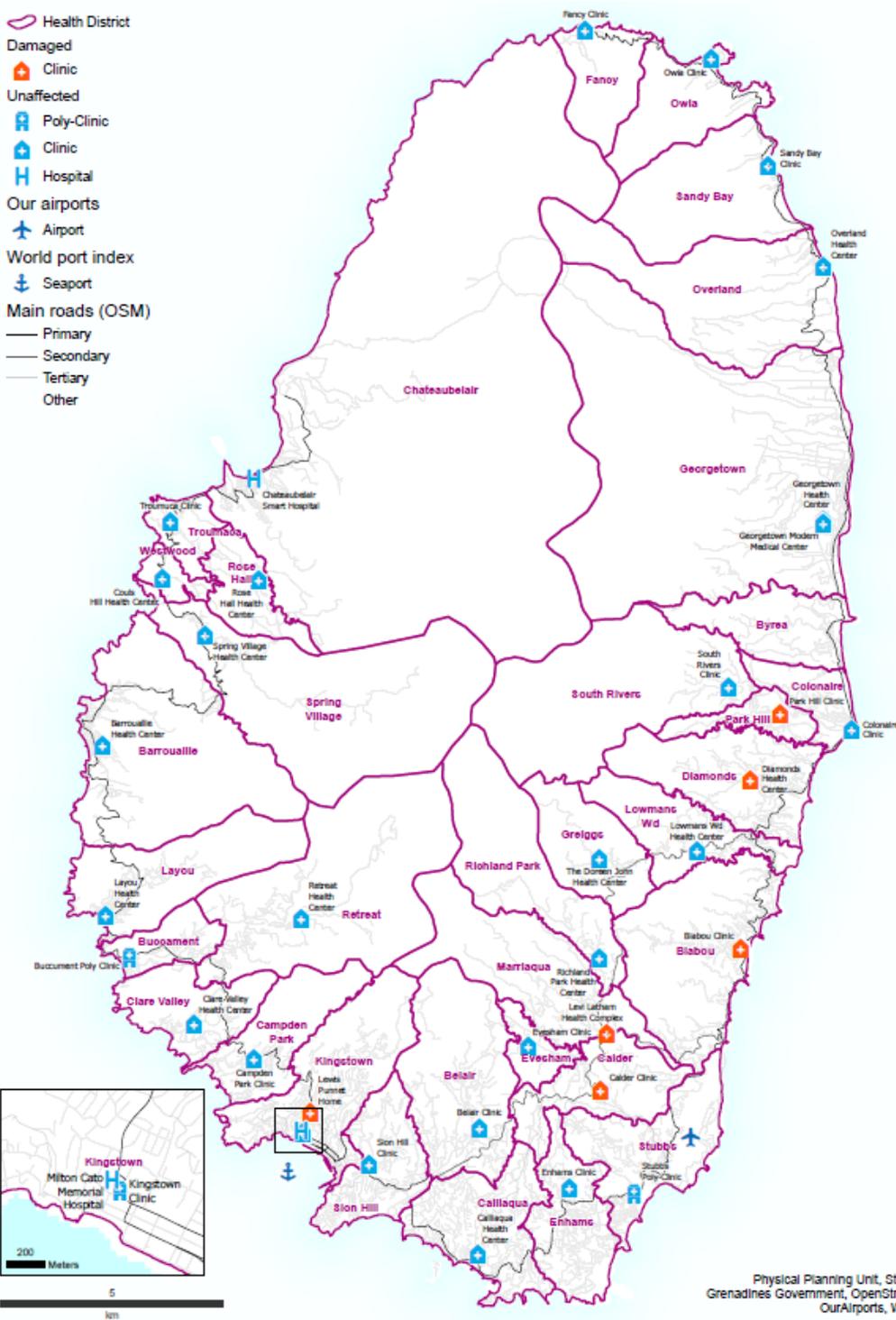
## Status maps of healthcare facilities in Grenada and St. Vincent & the Grenadines



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

MA016 v01

- Health District
- Damaged**
- Clinic
- Unaffected**
- Poly-Clinic
- Clinic
- Hospital
- Our airports**
- Airport
- World port index**
- Seaport
- Main roads (OSM)**
- Primary
- Secondary
- Tertiary
- Other



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

Map created by MapAction (06/07/2024)

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.



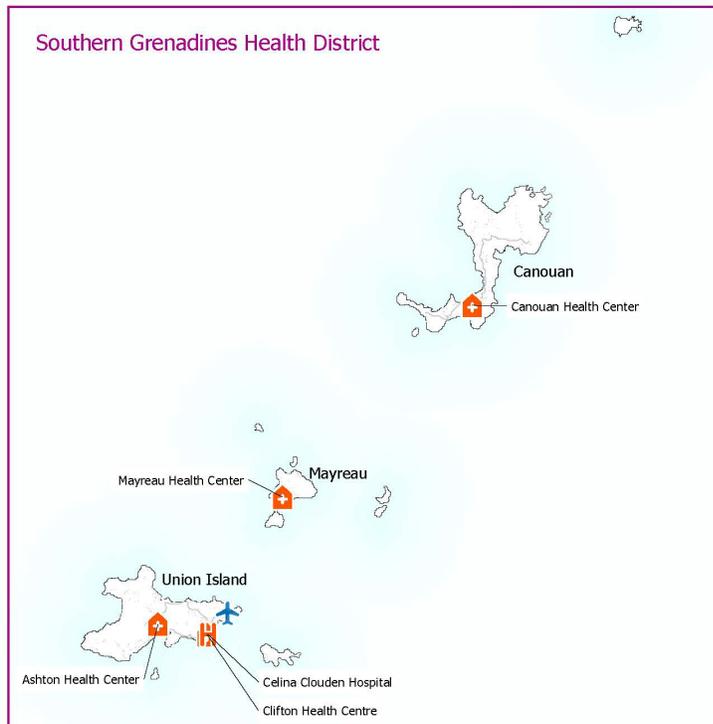
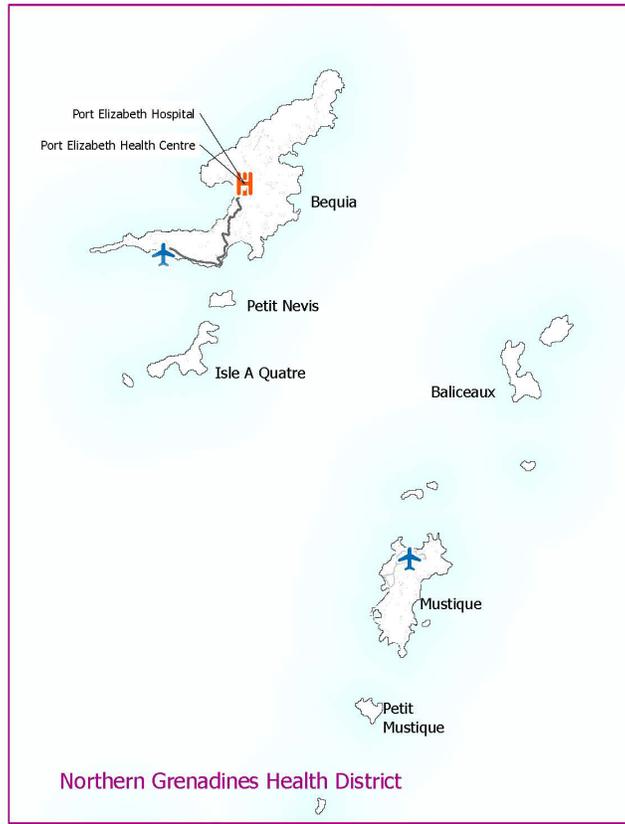
Health Facility

Damaged

- Clinic
- Hospital
- Airport
- Seaport

Main roads (OSM)

- Primary
- Secondary
- Tertiary
- Other



5

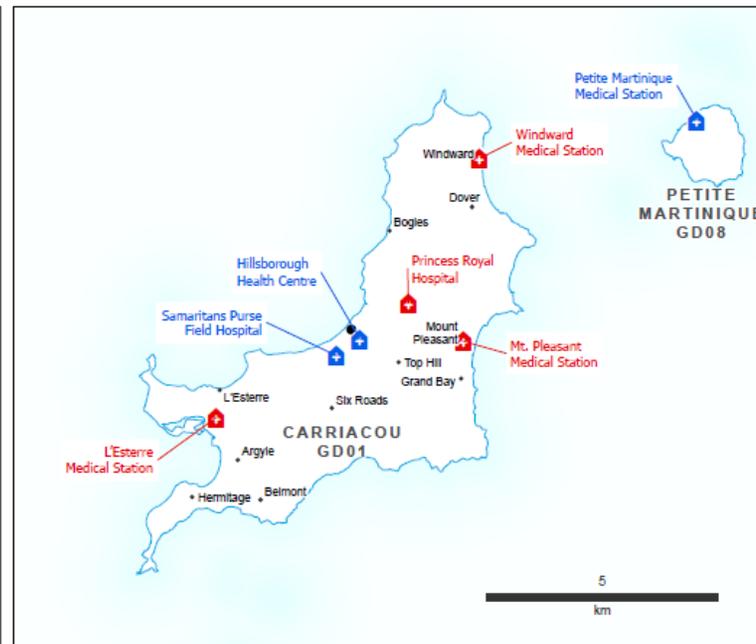
km

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

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

Map created by MapAction (11/07/2024)



**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)

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