

HURRICANE BERYL

Grenada and St. Vincent & the Grenadines

PAHO



Situation Report # 7 – 8 July 2024



HIGHLIGHTS

- Technical experts from PAHO in the areas of environmental health, damage assessment and mental health and psychosocial support started to arrive in St. Vincent and the Grenadines on 7 July 2024.
- Water testing kits, purification tablets, jerrycans, generators, and essential cleaning supplies mobilized by PAHO to support health facilities also arrived on 7 July 2024 with support of the World Food Programme (WFP). The International Organization for Migration (IOM) provided a donation of solar lights and tarpaulins.
- Declaration of Emergency in place from July 1st to September 30th, 2024, for St Patrick located in the Northern part of Grenada, Carriacou and Petite Martinique.
- PAHO facilities assessment consultant and currently a member of CDEMA's Rapid Needs Assessment Team (RNAT) has visited north of Grenada on July 6th and Carriacou & Petite Martinique on July 7 - 8 2024.
- In 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.

IN NUMBERS

215,530
Potentially
exposed¹

11 Deaths²

30 Injured³

02 Missing⁴

1000 Evacuated⁵

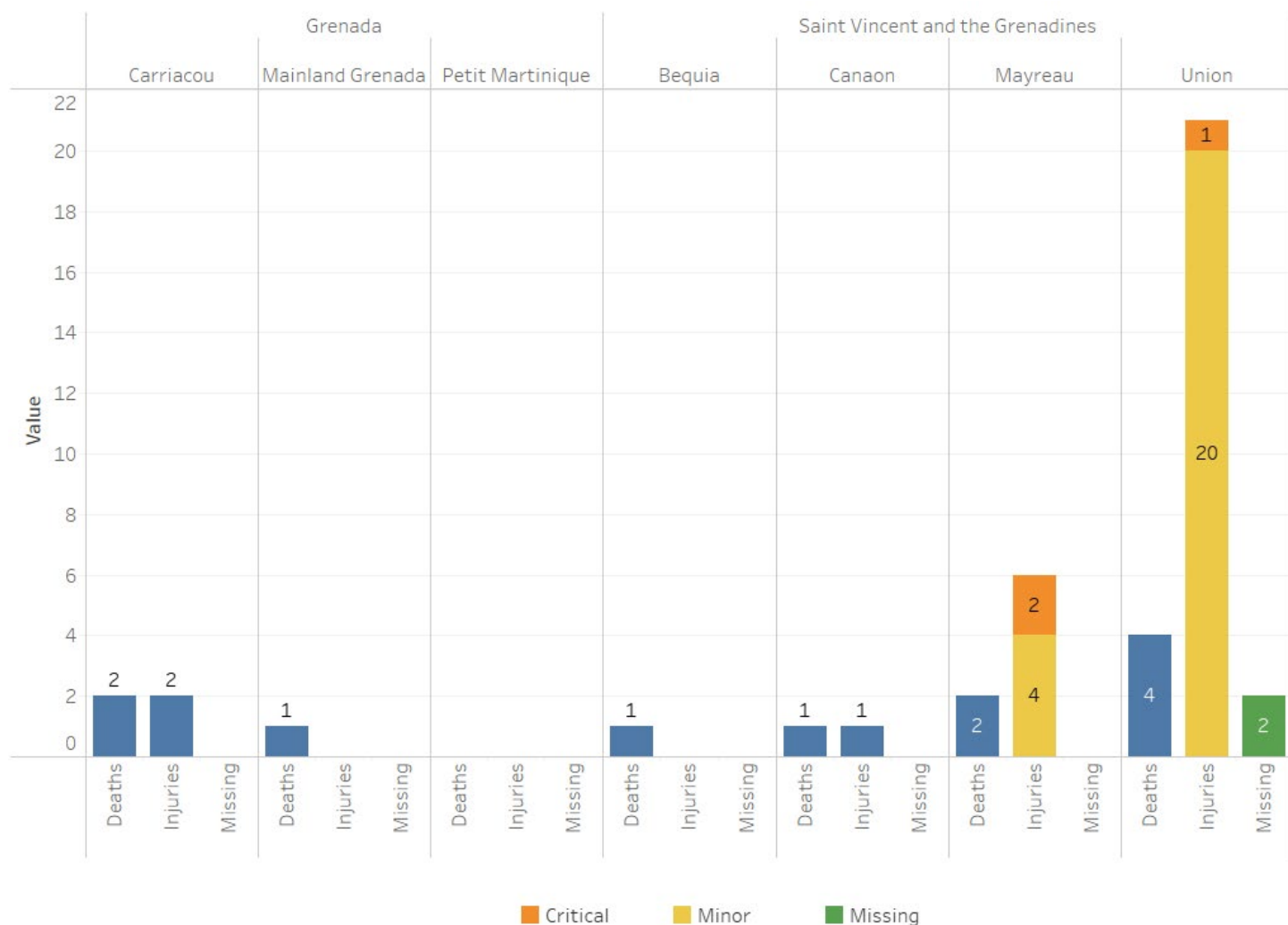
**15 Damaged
health facilities⁶**

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



Provision of health services to support those being provided by the Ministry of Health is being supported by Emergency Medical Teams (EMT) offered by Samaritan Purse, a christian international humanitarian organization that provides life-saving disaster relief in both countries.

Updated 8 July 2024 – Status of Emergency Medical Teams (EMTs), post Beryl.

STATUS	ASSESSMENT TEAM	Type 1 Mobile	Type 1 Fixed	Type 2	Type 3	EMT SPECIALIZED
Deployed	1	1 (GRE)	1 (GRE)			
Mobilizing		1 (VCT)				
Stand-By		3				
Monitoring		5	2	1		4
Demobilized						

UNION ISLAND

A self-sufficient mobile type 1 medical team to Union Island. The team consists of two doctors and five nurses along with sanitation workers to assist local efforts on all the islands.

CARRIACOU, PETIT MARTINIQUE

Two units were established, a mobile type 1 unit and an EMT Type 1 field hospital in Carriacou in the Parking Lot at Lauriston Stadium offering in-patient care to include pharmacy. 40 team members are currently on the ground.



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

GRENADA

- 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.
- The Environmental Health and Vector Control team from the Ministry of Health travelled to Carriacou on July 6th, 2024, to conduct assessment. Awaiting the reports.
- 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.
- Three health professionals, including Senior Community Nursing Officer and the Chief Laboratory Technologist, traveled to Canouan, Mayreau, and Union Island to support the local health team and conduct assessment of the containerized laboratories on these islands. Public Health assessments and interventions continue.

- Union Island medical team treated:
 - 24 various emergencies on Friday, 5 July 2024
 - 12 casualties on Saturday, 6 July 2024



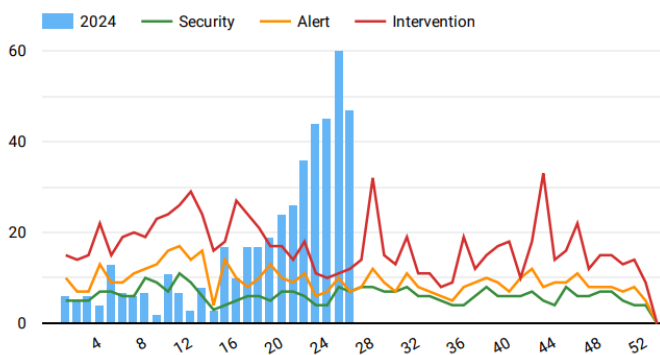
HEALTH RISK ASSESSMENT

GRENADA

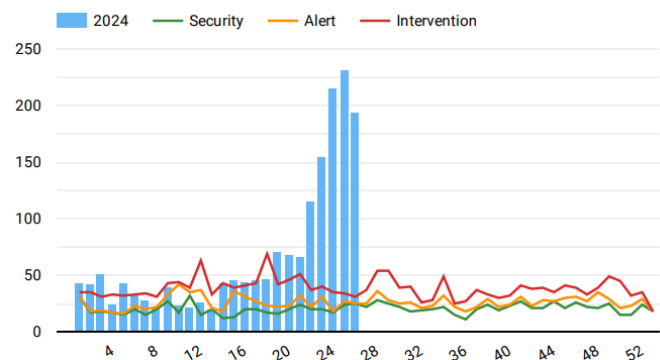
Through routine weekly syndromic surveillance, an outbreak of gastroenteritis was observed during the Epi Week 26 of the current year in all age groups. However, a decrease of 21.7% was noted this epidemiological week compared to the previous week (EW25) among those under 5 years old, and a decrease of 16.4% among those over 5 years old. This decrease of cases in both age groups may be due to the impact on the completeness of reporting after Hurricane Beryl.

Distribution of Gastroenteritis cases by age group and Epidemiological Week (EW), Grenada, EW 26, 2024

Gastroenteritis in less than 5 years old, 2024

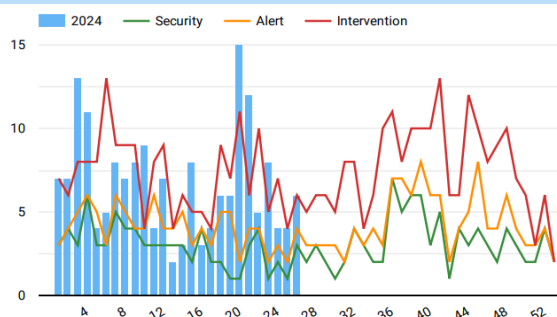


Gastroenteritis in those 5 years and older, 2024

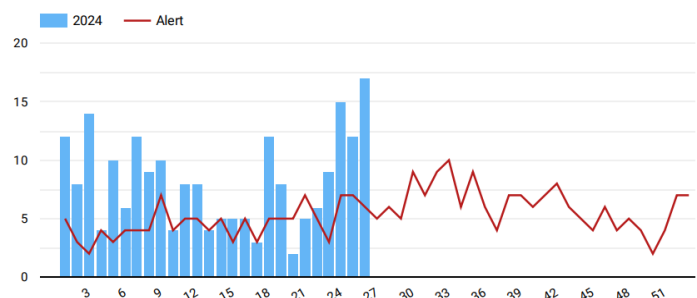


During Epi Week 26, a 50% increase in cases of Undifferentiated Fever was observed among individuals aged over 5 years compared to the preceding week. This increase in cases could suggest the presence of one or more infectious diseases. Of particular concern is the concurrent spike in dengue cases, which experienced a 41.7% increase during EW26 when compared to the previous week. A potential correlation between these two observed trends warrants further investigation

Undifferentiated Fever in 5 years and older, 2024

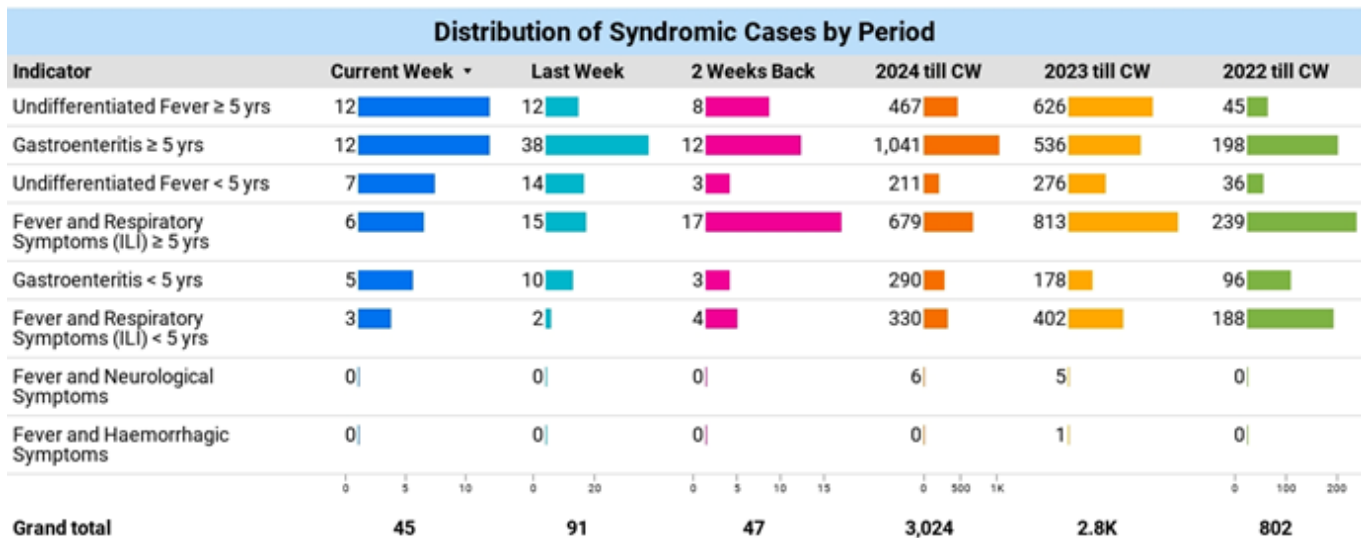


Dengue cases by epiweek



ST VINCENT AND THE GRENADINES

No significant increase in cases for syndromic surveillance was noted during EW26 of this year compared to the same period. However, the data was collected just before Hurricane Beryl and as such would not reflect the current situation. Based on information on the ground, an increase in Dengue cases and respiratory illnesses is noted.



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

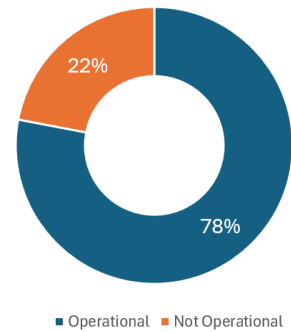
Of the 41 health centers with preliminary assessment, 26 (63.41%) are operational, 11(26.83%) are operational with damage to electricity and/or running water, and 4 (9.76%) are still not operational.

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%

- Broken mains are still being identified, making the Mirabeau Dam recommissioning challenging. This Dam provides water to many areas in the parish of St Andrew.
- 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.



- In mainland St. Vincent, over 600 persons reported damage to or loss of property.
- Damage to solar panels at Buccament polyclinic.



Damaged solar panels – Buccament polyclinic

WASH

GRENADA

- Water interruptions in the affected areas were reported, but details have yet to be confirmed.

ST. VINCENT AND THE GRENADINES

- The population in affected islands are boiling available water and using bottled water for drinking. Chlorinating rainwater from cistern could also be done to treat water for drinking.
- As water cisterns can be mosquitoes' breeding locations, a vigilant vector control program is required.
- Toilet facilities were damaged or destroyed, resulting in unsanitary disposal of human waste and hence the possibility for disease spread. Information on the number of persons at risk is not yet available.
- The countries have started to disseminate public education messages to reduce the risk of communicable diseases.

NUTRITION

This is a critical area where information is not readily available currently. However, based on the country's needs list, food and water continues to be a priority.

SHELTER

GRENADA

Shelters in Carriacou and Petite Martinique: 15 active shelters – 5 official and 10 pop-up shelters. 478 persons housed.

ST. VINCENT AND THE GRENADINES

- There are 38 active shelters with a total of 758 persons in shelters. Persons from mainland, St. Vincent, who sought shelter have continued leaving the shelters and returning home.
- Five (5) centers are designated to house people from the Grenadines. They are Kingstown Government School, Calliaqua Anglican School, Belmont Government School, Fair Hall Primary School and Lowmans Leeward Anglican Primary School.



GRENADA AND ST. VINCENT AND THE GRENADINES

- Detailed damage assessment of health facility infrastructure.
- Urgent repair of the damaged health facilities.
- Rehabilitation of water storage facilities in the damaged health facilities.
- Replacement of critical medicines, medical supplies, equipment, laboratory reagents, and other health commodities including vaccines
- Increase surveillance, especially in the shelters, is urgently needed.
- Safe shelter/accommodation for health staff of the affected islands.
- Healthcare staff replacement to relieve those who had been on duty for long hours.
- Provision of food rations and water for health care workers.

GRENADA

Twenty-seven (27) health centers and medical stations have requested a generator, while six (6) medical stations need water tanks.

GENERATOR	WATER TANK
Birchgrove Medical Station	Birchgrove Medical Station
Crochu Medical Station	Mt. Moritz Medical Station
Good Hope Medical Station	New Hampshire Medical Station
Grand Anse Medical Station	Perdmontemps Medical Station
Grand Roy Medical station	Tivoli Medical Station
Happy Hill Medical Station	Vincennes Medical Station
Hermitage Medical Station	
L'Esterre Medical station	
Morne Jaloux Medical Station	
Mt. Carmel Medical Station	
Mt. Moritz Medical Station	
Mt. Pleasant Medical Station	
New Hampshire Medical Station	
Paraclete Medical Station	
Perdmontemps Medical Station	
River Sallee Medical Station	
Sauteurs Health center	
Snug Corner Medical Station	
St. David Health Center	
St. George Health center	
Tivoli Medical Station	
Union Medical Station	
Victoria Medical Station	
Vincennes Medical Station	
Westerhall Medical Station	
Windward Medical Station	
Woburn Medical Station	



GOVERNMENT RESPONSE

- 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.
- The National Emergency Operation Center is operational. It is activated under the authority of the National Emergency Advisory Council. It is a multi-sectorial meeting with National actors.
- The Health Disaster Committee continues to meet as necessary.
- 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

- Suspension of all non-emergency related activities for Grenada and St Vincent and the Grenadines.
- Deployed PAHO WASH expert in St. Vincent and the Grenadines as part of the Rapid Needs Assessment Team (RNAT) continue to work with MOH, especially the Environmental Health Department.
- PAHO regional response team (RRT) logistics expert arrived in Barbados to provide operational support. Other RRT members are to be deployed to St Vincent and the Grenadines this weekend for health facility damage assessment, health services assessment, and environmental health. MHPSS expert to be deployed by early next week.
- Awaiting confirmation from Grenada on required PAHO support for assessment of damaged health facilities, health services and network, and WASH.
- In St. Vincent and the Grenadines, PAHO locally procured cleaning chemicals and supplies, chlorine for water disinfection and water pumps.
- Mobilized vital supplies for both countries including water testing kits, purification tablets, jerrycans, generators, and essential cleaning supplies to health facilities – the shipment arrived on Sunday 7 July 2024 in St. Vincent and the Grenadines and 8th July in Grenada.
- Ongoing coordination with the MOHs (PSs, CMOs, MOH Disaster coordinators and focal points) in countries.

COORDINATION

- The first Health Sector Coordination Meeting was convened by PAHO on 5 July 2024, with participation from UN agencies, regional partners and donors. The next meeting is planned for this week.
- PAHO provided input to the Regional Overview and Flash Appeals for St Vincent and the Grenadines, Grenada, and Jamaica.
- 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 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

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



Status map of healthcare facilities in St. Vincent



Status map of healthcare facilities in the Grenadines