



General Overview



- La Soufrière volcano Saint Vincent and the Grenadines (VCT) active since [December 29, 2020](#). Started with effusive eruption activity, formation of a volcanic dome, changes to crater lake and seismic activity.
- Activity increased since [April 8, 2021](#) 3:00 am. Prime Minister, VCT gave the order to evacuate the red zone on April 8, 2021 at 4:00 pm and declared the red alert. Explosive eruptions commenced at 8:42 am on April 9, 2021.
- On [April 11, 2021](#) at 1:00 am another eruption occurred, followed by a power outage in the NE part of the Island. Power was restored at 6:00 am in Green zone.
- On [April 12, 2021](#), NEMO reported that at approximately 4:15 am, the dome had collapsed, and pyroclastic flow occurred along the valleys on the eastern and western coasts.
- Seismic activity at La Soufrière, St Vincent continued in the pattern established on April 12, 2021, with short bands of continuous seismic tremors interspersed with long-period earthquakes.
- Another explosive event occurred at 6:30 am on [April 13, 2021](#).
- Long-period earthquakes have steadily become more frequent following the latest band of tremors at 6:30 am.
- The volcano continues to erupt explosively and has now begun to generate pyroclastic density currents - hot (200°C-700°C), ground-hugging flows of ash and debris.
- Explosions and accompanying ashfall, of similar or larger magnitude, are likely to continue occur

over the next few days impacting St. Vincent and neighboring islands.

- The volcano activity remains at alert level Red
- Prime Minister announced on April 12, 2021, that cruise ships will no longer be used to transport persons to neighboring countries. Smaller vessels will instead be used.

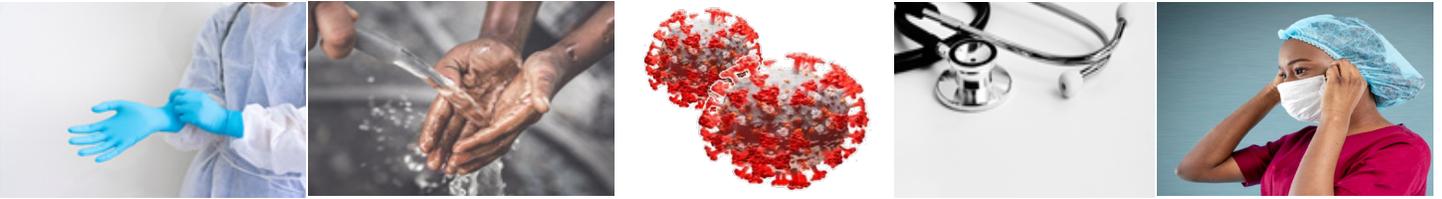
HIGHLIGHTS

Estimated # of affected persons/evacuees	16,000-20,000
# of village evacuated	30
# of shelters	87
# persons in public shelters	3,880
Over 2,000 persons hosted by 446 families	
# Missing persons	0
# Injured persons	0
# Deaths	0
# medevacs	0
# evacuated health facilities	18
# COVID-19 isolation centres	1
Capacity (beds) on main island ¹ , at least	200
Capacity (beds) in the Grenadines ² , at least	21

¹ Total capacity of beds, not # of available beds based on occupancy

² Total capacity of beds, not # of available beds based on occupancy

Health related challenges



- Heightened risk of COVID-19 transmissions. On average only 6-8 persons per shelter have been vaccinated upon admission.
- Need to upgrade national water quality testing capability
- Demographics on persons in shelters in terms of age, sex and gender, not yet disaggregated.
- NCD Kits-needs assessment to be conducted
- Health Services Delivery:
 - No private oncology services available for chemotherapy. The service is being established at Milton Cato Memorial Hospital (MCMH).
 - Two (2) dialysis units have been installed at MCMH; 8 previously operational at Modern Medical Diagnostic Center (MMDC)
- Inadequate access to safe drinking water and water for domestic use (toilet and washing).
- Contaminated water could result in outbreak of water-borne illnesses
- Identify difference between COVID-19 and asthma symptoms
- Increase risk of asthma, especially in Children
- Treatment of burn victims. Possibility for medevac to Guadeloupe.
- Infection prevention control (in shelters)
- Need for safe water and food in shelters
- Need for Oxygen Cylinders and PPEs
- Need for public information in shelters and on cleaning of the ash, see guidelines: <https://www.ivhnn.org/>
- Access to health for evacuees in neighboring countries

Response Actions

Regional Response Actions

- The Barbados Defence Force Emergency (BDF) Medical Team is on standby and ready to deploy if requested by MoH VCT

PAHO Response Actions

- PAHO in collaboration with UNICEF, CDE-MA and BDF are preparing for a shipment of 100,000 masks via the Barbados Coast Guard. Estimated Time of Arrival, VCT April 15, 2021
- PAHO WASH expert met with GM Central Water and Sewerage Authority (CWSA) to discuss availability of potable water and water for washing/flushing
- PAHO donated a portable water testing kit with incubator and 3 boxes of chlorine disinfection tablets (total 1,080 @868gr a.i.) to CWSA



1 Source CWSA, from left: Mr Garth Saunders, GM CWSA, Adrianus Ton Vlugman (WASH_PAHO/WHO) and Mr. Brian Da Silva, Engineer CWSA handing over the donation by PAHO of equipment listed below at their office on Tuesday 13 April 2021

1. Damage assessment of health facilities including assessing structural and functional integrity of facilities is ongoing;
2. Strengthening of health emergency operation centres including support to establish alternative medical care sites
3. Support to MoH for coordination of international health response
4. Assisting with coordination of personnel for provision of psychosocial support
5. Maintenance of essential health services, including in coordination with Primary Health Clinics
6. WASH in health care facilities
7. Support with shelter management including assisting with set up in line with shelter management guidelines in context of COVID-19
8. Infection prevention control through provision of PPEs and masks
9. Provision of Health communication materials
10. Support potential deployment of EMT's including BDF

Action points to be completed

- Meeting with epidemiologist VCT to determine specific needs.
- Provide surveillance analysis support when requested
- Anticipated health needs to be identified. Countries request for specific health needs list.
- Deployment of CDEMA assessment team, including UNICEF and PAHO participation for Detailed Damage Sectoral Analysis (DDSA)
- Shipment of 100,000 masks and cleaning supplies with BDF Coast Guard. Estimated time of departure on April 14, 2021
- Printing health communication materials in Barbados
- Organize health cluster coordination meeting
- Provide coordination support in H-EOC VCT when requested

Civil Military Coordination (CMCOORD)

- Venezuelan ship with emergency supplies arrived on April 12, 2021
- Dumont D'Urville returning to region from the Bahamas
- French frigate Ventose with medical supplies (Masks, Nebulizers, PPE and 5000 Antigen tests) donated by Agence Regionale de Sante will arrive April 14, 2021.
- HNLMS Pelikaan potentially available from end of April

Information Management

1. PAHO [situation reports](#) and donor alert
2. The International Volcanic Health Hazard Network (IVHHN): [a protocol for ash collection](#), [IVHHN ash protection pamphlet](#), [leaflet](#)

CONTACT INFORMATION

Incident Manager, Mr. Clemens Buter | butercle@paho.org | (246) 826-5808

Health Cluster Lead, Dr. Yitades Gebre | gebrey@paho.org | (246) 836-5497

PAHO Contact in St. Vincent & the Grenadines, Mrs. Nicole Slack-Liburd | slacknic@paho.org | (784) 526-6000

Communication Contact, Ms. Brenda Lashley | lashleyb@paho.org | (246) 836-2671

ANNEX

Available Supplies PAHO

The following items will be provided/ purchase by PAHO (based on health needs list of the Ministry of Health (MoH)):

ITEM	QUANTITY	ITEM	QUANTITY
Generator	1	Aquatabs 67 mg for 10 liters, box of 1,600 blister x 10 tablets	30
Streamline High-Wall Split NC System, DC Inverter 9000 BTU, 2.6KW (Installed) (OM)	4	Aquatabs 8.68 gr for 1,000 liters, bottle, x60 tablets	100
Streamline High-Wall Split NC System, DC Inverter 24000 BTU, 7.0KW (Installed) (OM)	2	Aquatabs 33 mg for 5 liters, box of 10,000 tablets	15
3M Dual Cartridge Respirator (Medium) (C12)	14	Mosquito nets	100
3M Pre-Filter for 51P71 & 52P71 Respirator (pack of 10)	177	Masks	100,000
3M Multiple Gas Cartridge (Multi-Acid Gas/Organic Vapour) For 6200 1/2 Mask - Pair (B30)	10	Gas Masks	15
3M Filter Retainer for 51P71, 52P71, 53P71(B20)	20	Masks	60,000
Bladder tank 10m3, distrib ramp, repair kit, cover	1	Gowns	60,000
Jerry cans	1,000	N95 Mask	7,000
Bladder tank 5m3 w/accessories, 6 point distrib. Ramp	2	3M Half Face Mask W/O Cartridges (EA) (B24)	10
Bladder tank 10m3 w/accessories, 6 point distrib. Ramp	1	Surgical Mask	100,000
Respirators	200	Face Shield	5,000
Oxygen cylinders	100	Goggles	200
1000 Gallon water tanks	50	Sets working gloves	50
Water pumps	50	Helmets	80
First responders trauma back packs	39	Boots	50
Wildfire Kits*	10		
KN95 Respirator Masks*	2,000		
Wildfire Medical Relief Corps Back Packs*	14		
Mosquito nets	100		
Oral Hydration Salts (boxes)	3		
Aquatabs	40,000		
Aquatabs 8.68g	24,480		
Water testing kits	6		

H-EOC and Shelters NEEDS LIST from Chief Medical Officer St. Vincent & the Grenadines (9-4-2021)				
Item Name	Item Description	Quantity	Cost in EC Dollars	
			Price per Item	Total Price
A/C Units		8	-	-
Water Storage	1000 Gallon	10	-	-
Refrigerator	1500 cubic meters	1	\$3,200.00	\$3,200.00
Freezer		1	\$2,600.00	\$2,600.00
Washer		1	\$2,600.00	\$2,600.00
Stove	4 burner	1	\$1,200.00	\$1,200.00
Generator		1	-	-
Folding Table	6'	4	\$350.00	-
Folding Table	4"	4	\$450.00	-
Cots		350	\$395.00	\$138,250.00
Shelves		20	\$800.00	\$16,000.00
Kettle		20	\$120.00	\$2,400.00
Blender		10	\$120.00	\$1,200.00
Bath towels		150	\$20.00	\$3,000.00
Disposable plates		1,000	-	-
Disposable Forks		2,000	-	-
Disposable spoons		2,000	-	-
Gowns	Disposable impermeable	5,000	-	-
Alcohol Pads		20,000	-	-
Face masks		20,000	-	-
Vaccine Flasks		20	-	-
Garbage Bins	Large with cover and peddle	20	-	-
Garbage Bags		40	-	-
Antigen kits		20,000	-	-
Sanitizer	hand sanitizer	50 cases	-	-
Washing Detergent		3	\$70.00	\$210.00
Face shields		20,000	-	-
Caps (Buffet)		40,000	-	-
Shoe covers		40,000	-	-
Hospital mattresses		50	-	-
Sheets	white	-	-	-
Pillowcases	white	-	-	-
Bed pans		500	-	-
Urinals		500	-	-
Water pumps		10	-	-
Water hose		20	-	-
Shovels		20	-	-
Water boots		50 pairs	-	-
Raincoats		200	-	-
O2 cylinders		100	-	-
Industrial Vaccum		4	-	-