



**GRENADA**

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# **CARRIACOU AND PETITE MARTINIQUE**

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**NDPBA SUBNATIONAL PROFILE**

# GRENADA CARRIACOU AND PETITE MARTINIQUE

Area: 34 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Moderate

Score: 0.503 • Rank: 3/7



### RESILIENCE (R)

- Moderate

Score: 0.489 • Rank: 3/7



### MULTI-HAZARD EXPOSURE (MHE)

- High

Score: 0.488 • Rank: 2/7



### VULNERABILITY (V)

- Moderate

Score: 0.532 • Rank: 3/7



### COPING CAPACITY (CC)

- High

Score: 0.511 • Rank: 2/7



Household Population  
(2011 Census)

**5,633**



Prevalence of Chronic  
Illness (per 100 persons)

**25.4**



Unemployment Rate

**21.8%**



Adults without Secondary  
Education

**34.6%**



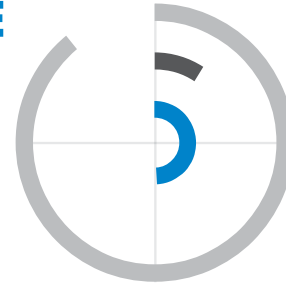
Population with No  
Internet Access

**61.3%**



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 7 ASSESSED  
SCORE: 0.488



MHE  
0.488

Raw MHE  
0.087

Relative MHE  
0.890

### ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**10%**

👤 528

Buildings Exposed: **21%**

Critical Infrastructure Exposed: **50%**



Hurricane Winds

**100%**

👤 5,100

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

👤 5,100

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

**NO DATA**

👤 No Data

Buildings Exposed: **No Data**

Critical Infrastructure Exposed: **No Data**



Extreme Heat

**100%**

👤 5,100

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Sea Level Rise

**9%**

👤 468

Buildings Exposed: **19%**

Critical Infrastructure Exposed: **41%**



Flash Flood

**NO DATA**

👤 No Data

Buildings Exposed: **No Data**

Critical Infrastructure Exposed: **No Data**



Tsunami

**7%**

👤 357

Buildings Exposed: **13%**

Critical Infrastructure Exposed: **41%**

NOTE: Population exposure values for Grenada are estimated using PDC's AIM model. Values may differ from Census population.



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 7 ASSESSED  
SCORE: 0.488

### ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

**No Data**

**No Data**

Buildings Exposed: **No Data**

Critical Infrastructure Exposed: **No Data**



Wildfire

**4%**

**217**

Buildings Exposed: **7%**

Critical Infrastructure Exposed: **0%**





## VULNERABILITY (V)

**RANK: 3 / 7 ASSESSED**  
**SCORE: 0.532**

Vulnerability in Carriacou and Petite Martinique is primarily driven by Household Infrastructure Vulnerability and Environmental Stress. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Information Access Vulnerability

0  1 **SCORE: 0.334** **RANK: 6/7 ASSESSED**

**97.6%**

School Attendance Rate (children ages 5 to 16)

**34.6%**

Adults without Secondary Education

**33.6%**

Household Computer Access

**61.3%**

Population with No Internet Access



### Economic Constraints

0  1 **SCORE: 0.364** **RANK: 5/7 ASSESSED**

**37.0**

Economic Dependency Ratio

**21.8%**

Unemployment Rate

**17.1%**

Youth Bulge (population ages 15-24)



### Environmental Stress

0  1 **SCORE: 0.715** **RANK: 3/7 ASSESSED**

**42.6%**

Coastline Exposure to Local or Global Threats

**7.2%**

Tree Cover Loss



### Gender Inequality

0  1 **SCORE: 0.493** **RANK: 6/7 ASSESSED**

**0.19**

Female to Male Labor Ratio

**0.06**

Parity in Secondary Education Attainment



## VULNERABILITY (V)

RANK: 3 / 7 ASSESSED  
SCORE: 0.532



### Household Infrastructure Vulnerability

0  1 SCORE: 0.941 RANK: 1/7 ASSESSED

**37.9%**

Housing Built  
Prior to 2000

**47.4%**

Households  
with Indoor  
Toilets

**71.2%**

Households  
with Improved  
Sanitation

**0.5%**

Households  
with Treated  
Water



### Household Composition and Vulnerable Health

0  1 SCORE: 0.697 RANK: 1/7 ASSESSED

**19.0**

Prevalence of  
Disability (per  
100 persons)

**25.4**

Prevalence of  
Chronic Illness  
(per 100  
persons)

**15.3%**

Population  
Age 65 and  
Over

**21.7%**

Population  
Under Age 15



### Population Pressures

0  1 SCORE: 0.182 RANK: 4/7 ASSESSED

**1.0%**

Average Annual  
Population  
Change

**166.5**

Population  
Density  
(persons per  
sq km)



## ISLAND CAPACITY (IC)

**RANK: 2 / 7 ASSESSED**  
**SCORE: 0.518**

Carriacou and Petite Martinique exhibits weaker Island Capacity in the areas of Economic Capacity and Health Care Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Island Capacity score.



### Economic Capacity

0  1 **SCORE: 0.281** **RANK: 3/7 ASSESSED**

<b>65.9%</b> Labor Force Participation Rate	<b>14.1%</b> Households with Home Insurance	<b>10.8%</b> Household Content Insured (percent of households)
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### Environmental Capacity

0  1 **SCORE: 0.343** **RANK: 4/7 ASSESSED**

<b>0.07%</b> Croplands	<b>-9.3</b> Net Carbon Flux	<b>27.5%</b> Protected Terrestrial Area	<b>63.0%</b> Protected Coastlines
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### Governance Capacity

0  1 **SCORE: 0.544** **RANK: 1/7 ASSESSED**

<b>1.9%</b> Prevalence of Crime	<b>98.1%</b> Household Waste Disposal	<b>69.5%</b> Voter Participation Rate
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# ISLAND CAPACITY (IC)

**RANK: 2 / 7 ASSESSED**  
**SCORE: 0.518**



## Infrastructure Capacity

0  1 **SCORE: 0.710** **RANK: 2/7 ASSESSED**



## Communications Capacity

0  1 **SCORE: 0.692** **RANK: 2/7 ASSESSED**

<b>66.6%</b> Households with Fixed Phones	<b>69.6%</b> Households with Mobile Phones
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## Emergency Services Capacity

0  1 **SCORE: 0.692** **RANK: 3/7 ASSESSED**

<b>2.7</b> Average Distance to Fire Station (km)	<b>1.0</b> Average Distance to Hospital or Clinic (km)	<b>2.4</b> Average Distance to Police Station (km)	<b>0.9</b> Average Distance to Shelter (km)
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## Energy Capacity

0  1 **SCORE: 0.815** **RANK: 2/7 ASSESSED**

<b>94.1%</b> Household Electricity Access	<b>92.4%</b> Households Using Gas for Cooking
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## Health Care Capacity

0  1 **SCORE: 0.641** **RANK: 1/7 ASSESSED**

<b>53.3%</b> Health Insurance Coverage	<b>1.18</b> Hospitals and Clinics per 1,000 Persons
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## LOGISTICS CAPACITY (LC)

**RANK: 3 / 7 ASSESSED**  
**SCORE: 0.505**

Carriacou and Petite Martinique exhibits weaker Logistics Capacity in the areas of Warehouse Access and Maritime Logistics. The bar charts indicate the socioeconomic themes contributing to the overall Logistics Capacity score.



### Maritime Logistics

0  1 **SCORE: 0.365** **RANK: 5/7 ASSESSED**

<b>1.8</b> Average Distance to Seaport (km)	<b>193.4</b> Distance to External Medium or Large Seaport (km)	<b>0.6</b> Port Density (ports per 10km of coastline)
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### Air Support

0  1 **SCORE: 1.000** **RANK: 1/7 ASSESSED**

<b>19.6</b> Distance to External C130 Airport (km)	<b>3.4</b> Average Distance to Airport or Heliport (km)
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### Transportation Capacity

0  1 **SCORE: 0.655** **RANK: 2/7 ASSESSED**

<b>0.4</b> Gas Stations per 1,000 Persons	<b>2.3</b> Road Density (km of roads per sq km)
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### Warehouse Access

0  1 **SCORE: 0.000** **RANK: 7/7 ASSESSED**

<b>58.3</b> Average Distance to Warehouse (km)	<b>193.4</b> Distance to CDEMA Sub- Regional Focal Point (km)
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## COPING CAPACITY (CC)

Coping Capacity measures the systems, means, and abilities of people and societies to absorb and respond to disruptions in normal function. Coping Capacity of Grenada was calculated by using a combination of Island Capacity and Logistics Capacity.

**RANK: 2 / 7 ASSESSED**  
**SCORE: 0.511**



## RESILIENCE (R)

Resilience in Grenada was calculated by using a combination of Vulnerability and Coping Capacity (including both Island Capacity and Logistics Capacity).

**RANK: 3 / 7 ASSESSED**  
**SCORE: 0.489**

## KEY FACTORS INFLUENCING RESILIENCE

Carriacou and Petite Martinique's score and ranking are due to Moderate Vulnerability combined with High Coping Capacity scores.

Below are the four thematic areas with the weakest relative scores:



### Household Infrastructure Vulnerability

Populations living in older housing, and prior to the enactment of modern building codes, are more susceptible to structural damage and losses as a result of hazard impacts. In addition, households experiencing access constraints to clean water and sanitation are challenged to maintain a standard of living that meets basic household needs, and face significant demands on daily routines that effectively limit their response and recovery capacity as well as the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.



### Environmental Stress

Environmental stressors such as the depletion or contamination of natural resources can exacerbate natural hazards and negatively impact the health, safety, and economic security of the population.



### Warehouse Access

Efficient storage, movement and delivery of resources are key to effective humanitarian assistance and disaster relief operations. Access to both local and regional supply chains can significantly improve the speed and quality of response operations, reducing the negative social and economic impacts of an emergency.

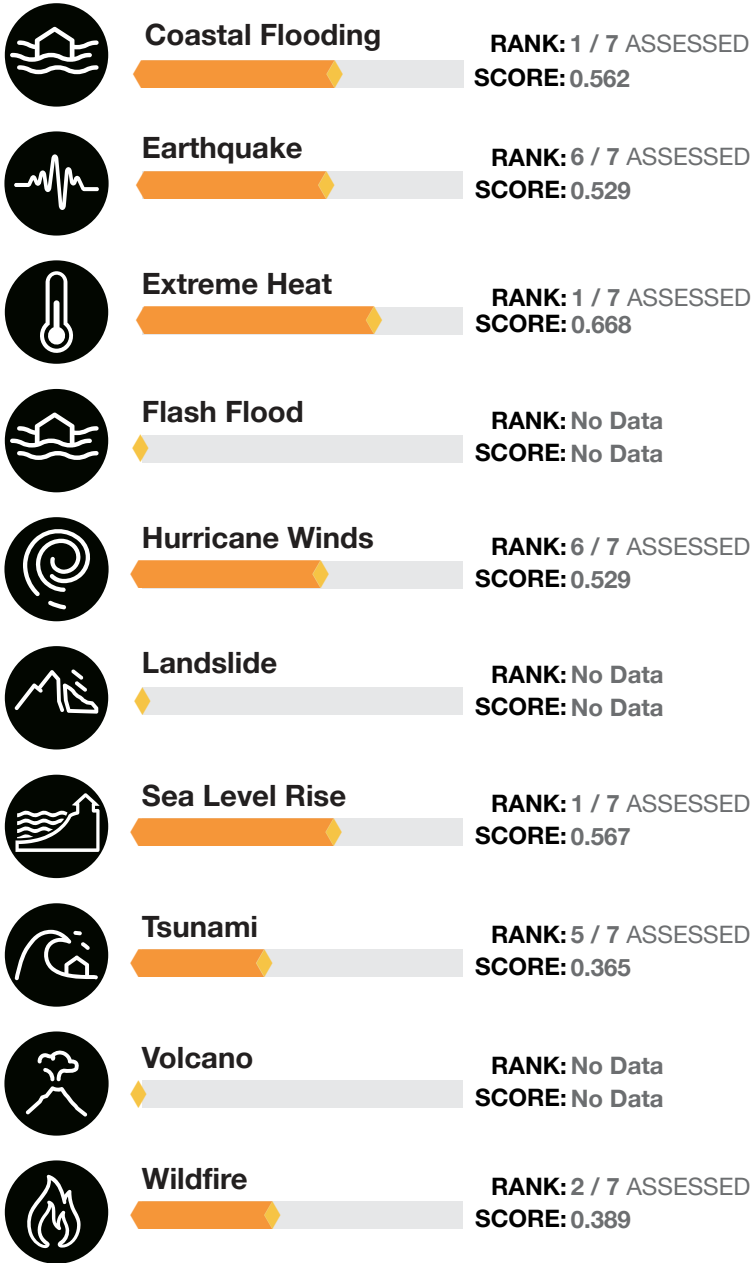


### Maritime Logistics

Diverse maritime transport options, within and outside the country, offer crucial support for humanitarian efforts and the transit and delivery of disaster relief supplies. Protecting and maintaining port infrastructure and equipment can help safeguard these key assets and sustain functional operations during a disaster.



## HAZARD-SPECIFIC RISK (HSR)





## MULTI-HAZARD RISK (MHR)

3 / 7

RANK AMONG PARISHES/DEPENDENCIES  
Score: 0.503



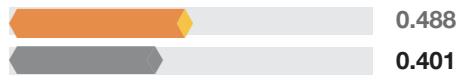
Carriacou and Petite Martinique's score and ranking are due to High Multi-Hazard Exposure combined with Moderate Vulnerability and High Coping Capacity scores.

### Multi-Hazard Risk component scores compared to overall average country scores:

DEPENDENCY SCORE  
 COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

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