



**GRENADA**

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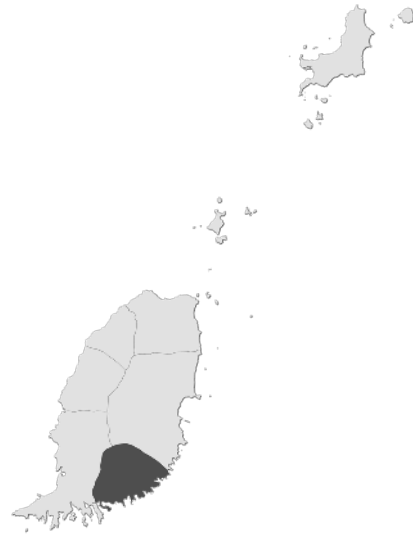
# **SAINT DAVID**

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**NDPBA SUBNATIONAL PROFILE**

# GRENADA SAINT DAVID

Area: 44 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Very Low  
Score: 0.350 • Rank: 7/7



### RESILIENCE (R)

- High  
Score: 0.524 • Rank: 2/7



### MULTI-HAZARD EXPOSURE (MHE)

- Very Low  
Score: 0.099 • Rank: 6/7



### VULNERABILITY (V)

- Very Low  
Score: 0.428 • Rank: 6/7



### COPING CAPACITY (CC)

- Moderate  
Score: 0.475 • Rank: 3/7



Household Population  
(2011 Census)

**12,860**



Prevalence of Chronic  
Illness (per 100 persons)

**19.5**



Unemployment Rate

**27.6%**



Adults without Secondary  
Education

**50.8%**



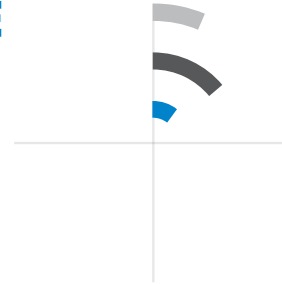
Population with No  
Internet Access

**60.9%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 7 ASSESSED  
SCORE: 0.099



MHE  
0.099

Raw MHE  
0.140

Relative MHE  
0.058

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**5%**

👤 728

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **25%**



Hurricane Winds

**100%**

👤 15,200

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

👤 15,200

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

**36%**

👤 5,480

Buildings Exposed: **40%**

Critical Infrastructure Exposed: **72%**



Extreme Heat

**0%**

👤 0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Sea Level Rise

**4%**

👤 586

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **25%**



Flash Flood

**4%**

👤 584

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **19%**



Tsunami

**6%**

👤 848

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **21%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 7 ASSESSED  
SCORE: 0.099

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



Volcano

**0%**

**4**

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **19%**



Wildfire

**4%**

**594**

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **0%**



## VULNERABILITY (V)

**RANK: 6 / 7 ASSESSED**  
**SCORE: 0.428**

Vulnerability in Saint David is primarily driven by Environmental Stress and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Information Access Vulnerability

0  1 **SCORE: 0.525** **RANK: 5/7 ASSESSED**

<b>98.1%</b> School Attendance Rate (children ages 5 to 16)	<b>50.8%</b> Adults without Secondary Education	<b>30.8%</b> Household Computer Access	<b>60.9%</b> Population with No Internet Access
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### Economic Constraints

0  1 **SCORE: 0.400** **RANK: 4/7 ASSESSED**

<b>32.8</b> Economic Dependency Ratio	<b>27.6%</b> Unemployment Rate	<b>19.2%</b> Youth Bulge (population ages 15-24)
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### Environmental Stress

0  1 **SCORE: 0.979** **RANK: 2/7 ASSESSED**

<b>66.1%</b> Coastline Exposure to Local or Global Threats	<b>7.8%</b> Tree Cover Loss
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### Gender Inequality

0  1 **SCORE: 0.578** **RANK: 5/7 ASSESSED**

<b>0.14</b> Female to Male Labor Ratio	<b>0.25</b> Parity in Secondary Education Attainment
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## VULNERABILITY (V)

RANK: 6 / 7 ASSESSED  
SCORE: 0.428



### Household Infrastructure Vulnerability

0  1 SCORE: 0.207 RANK: 7/7 ASSESSED

**22.4%**  
Housing Built  
Prior to 2000

**60.0%**  
Households  
with Indoor  
Toilets

**88.6%**  
Households  
with Improved  
Sanitation

**74.5%**  
Households  
with Treated  
Water



### Household Composition and Vulnerable Health

0  1 SCORE: 0.155 RANK: 7/7 ASSESSED

**12.4**  
Prevalence of  
Disability (per  
100 persons)

**19.5**  
Prevalence of  
Chronic Illness  
(per 100  
persons)

**9.4%**  
Population  
Age 65 and  
Over

**23.5%**  
Population  
Under Age 15



### Population Pressures

0  1 SCORE: 0.149 RANK: 5/7 ASSESSED

**0.2%**  
Average Annual  
Population  
Change

**292.7**  
Population  
Density  
(persons per  
sq km)



## ISLAND CAPACITY (IC)

**RANK: 3 / 7 ASSESSED**  
**SCORE: 0.430**

Saint David exhibits weaker Island Capacity in the areas of Energy Capacity and Emergency Services Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Island Capacity score.



### Economic Capacity

0  1 **SCORE: 0.517** **RANK: 2/7 ASSESSED**

<b>70.9%</b> Labor Force Participation Rate	<b>20.9%</b> Households with Home Insurance	<b>10.2%</b> Household Content Insured (percent of households)
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### Environmental Capacity

0  1 **SCORE: 0.563** **RANK: 3/7 ASSESSED**

<b>0.07%</b> Croplands	<b>-8.7</b> Net Carbon Flux	<b>35.4%</b> Protected Terrestrial Area	<b>1.0%</b> Protected Coastlines
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### Governance Capacity

0  1 **SCORE: 0.369** **RANK: 5/7 ASSESSED**

<b>3.3%</b> Prevalence of Crime	<b>97.6%</b> Household Waste Disposal	<b>72.7%</b> Voter Participation Rate
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# ISLAND CAPACITY (IC)

**RANK: 3 / 7 ASSESSED**  
**SCORE: 0.430**



## Infrastructure Capacity

0  1 **SCORE: 0.350** **RANK: 4/7 ASSESSED**



## Communications Capacity

0  1 **SCORE: 0.435** **RANK: 3/7 ASSESSED**

**46.7%** Households with Fixed Phones  
**75.7%** Households with Mobile Phones



## Emergency Services Capacity

0  1 **SCORE: 0.292** **RANK: 7/7 ASSESSED**

**7.1** Average Distance to Fire Station (km)  
**1.3** Average Distance to Hospital or Clinic (km)  
**2.3** Average Distance to Police Station (km)  
**1.4** Average Distance to Shelter (km)



## Energy Capacity

0  1 **SCORE: 0.281** **RANK: 5/7 ASSESSED**

**85.2%** Household Electricity Access  
**89.0%** Households Using Gas for Cooking



## Health Care Capacity

0  1 **SCORE: 0.392** **RANK: 3/7 ASSESSED**

**55.1%** Health Insurance Coverage  
**0.20** Hospitals and Clinics per 1,000 Persons





## LOGISTICS CAPACITY (LC)

**RANK: 2 / 7 ASSESSED**  
**SCORE: 0.521**

Saint David exhibits weaker Logistics Capacity in the areas of Transportation Capacity and Air Support. The bar charts indicate the socioeconomic themes contributing to the overall Logistics Capacity score.



### Maritime Logistics

0  1 **SCORE: 0.504** **RANK: 3/7 ASSESSED**

<b>2.9</b> Average Distance to Seaport (km)	<b>150.9</b> Distance to External Medium or Large Seaport (km)	<b>0.4</b> Port Density (ports per 10km of coastline)
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### Air Support

0  1 **SCORE: 0.331** **RANK: 3/7 ASSESSED**

<b>78.0</b> Distance to External C130 Airport (km)	<b>11.8</b> Average Distance to Airport or Heliport (km)
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### Transportation Capacity

0  1 **SCORE: 0.307** **RANK: 5/7 ASSESSED**

<b>0.1</b> Gas Stations per 1,000 Persons	<b>3.5</b> Road Density (km of roads per sq km)
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### Warehouse Access

0  1 **SCORE: 0.941** **RANK: 2/7 ASSESSED**

<b>7.5</b> Average Distance to Warehouse (km)	<b>150.9</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: 3 / 7 ASSESSED**  
**SCORE: 0.475**



## RESILIENCE (R)

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

**RANK: 2 / 7 ASSESSED**  
**SCORE: 0.524**

## KEY FACTORS INFLUENCING RESILIENCE

Saint David's score and ranking are due to Very Low Vulnerability combined with Moderate Coping Capacity scores.

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



### 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.



### Gender Inequality

Marginalized populations are less likely to have their needs met under pre-disaster conditions, and therefore become even more susceptible to harm during times of disaster. Increase gender-based inclusion in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.



### Transportation Capacity

Dense road networks and refueling locations facilitate the evacuation of populations during a disaster and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



### Air Support

Air transport is a key component of timely response operations, supporting search and rescue, damage assessment efforts, and the delivery of relief supplies. Increasing air support capacity to accommodate C130 aircraft strengthens the ability to quickly deliver and disseminate emergency relief supplies to where they are most needed.



## HAZARD-SPECIFIC RISK (HSR)



**Coastal Flooding** RANK: 6 / 7 ASSESSED  
SCORE: 0.252



**Earthquake** RANK: 4 / 7 ASSESSED  
SCORE: 0.538



**Extreme Heat** RANK: 4 / 7 ASSESSED  
SCORE: 0.000



**Flash Flood** RANK: 5 / 7 ASSESSED  
SCORE: 0.275



**Hurricane Winds** RANK: 4 / 7 ASSESSED  
SCORE: 0.538



**Landslide** RANK: 2 / 7 ASSESSED  
SCORE: 0.515



**Sea Level Rise** RANK: 6 / 7 ASSESSED  
SCORE: 0.293



**Tsunami** RANK: 7 / 7 ASSESSED  
SCORE: 0.128



**Volcano** RANK: 6 / 7 ASSESSED  
SCORE: 0.046



**Wildfire** RANK: 4 / 7 ASSESSED  
SCORE: 0.301



## MULTI-HAZARD RISK (MHR)

7 / 7

RANK AMONG PARISHES/DEPENDENCIES  
Score: 0.350



Saint David's score and ranking are due to Very Low Multi-Hazard Exposure combined with Very Low Vulnerability and Moderate Coping Capacity scores.

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

PARISH SCORE  
COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

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