



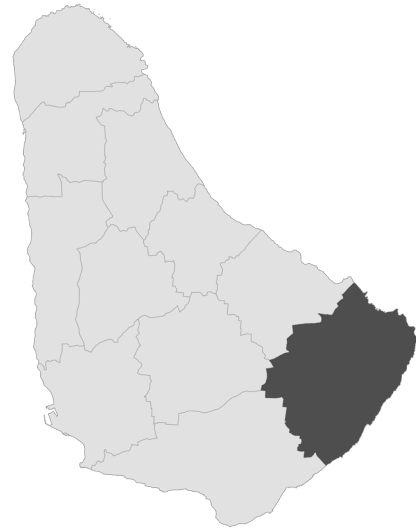
BARBADOS

SAINT PHILIP

NDPBA SUBNATIONAL PROFILE

BARBADOS SAINT PHILIP

Area: 60 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Low

Score: 0.415 • Rank: 8/11



RESILIENCE (R)

- Moderate

Score: 0.601 • Rank: 5/11



MULTI-HAZARD EXPOSURE (MHE)

- Moderate

Score: 0.447 • Rank: 5/11



VULNERABILITY (V)

- Very Low

Score: 0.232 • Rank: 10/11



COPING CAPACITY (CC)

- Low

Score: 0.434 • Rank: 7/11



Population (2010 Census)

23,788



Population Density
(persons per sq km)

396



Poverty Rate

12.6%



Housing Built Prior to
1991

50.1%



Households with
Unimproved Sanitation

6.3%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 11 PARISHES ASSESSED
SCORE: 0.447



MHE
0.447

Raw MHE
0.337

Relative MHE
0.557

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

<1%

👤 138

Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **11%**



Hurricane Winds

100%

👤 37,600

Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 37,600

Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**



Landslide

6%

👤 2,200

Buildings Exposed: **6%**
Critical Infrastructure Exposed: **12%**



Extreme Heat

100%

👤 37,600

Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**



Sea Level Rise

<1%

👤 105

Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **11%**



Flash Flood

26%

👤 9,930

Buildings Exposed: **28%**
Critical Infrastructure Exposed: **18%**



Tsunami

<1%

👤 2

Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **0%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 11 PARISHES ASSESSED
SCORE: 0.447

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcanic Ashfall

100%

37,600

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

19%

7,130

Buildings Exposed: **19%**

Critical Infrastructure Exposed: **19%**



VULNERABILITY (V)

RANK: 10 / 11 PARISHES ASSESSED
SCORE: 0.232

Vulnerability in Saint Philip is primarily driven by Economic Constraints and Household Composition and Vulnerable Health. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.196** **RANK: 10/11 PARISHES ASSESSED**

83.6%

Primary School
Attendance
Rate

55.1%

Secondary
School
Attendance
Rate

81.8%

Household
Access to
Radio

94.8%

Household
Access to
Television



Economic Constraints

0  1 **SCORE: 0.453** **RANK: 5/11 PARISHES ASSESSED**

0.47

Economic
Dependency
Ratio

12.6%

Poverty Rate

34.5%

GINI
Coefficient



Environmental Stress

0  1 **SCORE: 0.211** **RANK: 10/11 PARISHES ASSESSED**

40.5%

Coastline
Exposure to
Local or Global
Threats

4.9%

Tree Cover
Loss



Gender Inequality

0  1 **SCORE: 0.054** **RANK: 11/11 PARISHES ASSESSED**

0.09

Female to Male
Labor Ratio

0.02

Female
to Male
Secondary
School
Attendance



VULNERABILITY (V)

RANK: 10 / 11 PARISHES ASSESSED
SCORE: 0.232



Housing and Transportation Vulnerability

0  1 SCORE: 0.161 RANK: 11/11 PARISHES ASSESSED

50.1%

Housing Built
Prior to 1991

16.3%

Household
Overcrowding

36.0%

Households
without a
Private Vehicle



Household Composition and Vulnerable Health

0  1 SCORE: 0.444 RANK: 6/11 PARISHES ASSESSED

3.7

Prevalence of
Disability (per
100 persons)

11.2%

Population
Age 65 and
Over

24.8%

Population
Under Age 18



Population Pressures

0  1 SCORE: 0.153 RANK: 7/11 PARISHES ASSESSED

0.5%

Average Annual
Population
Change

396

Population
Density
(persons per
sq km)



Clean Water Access Vulnerability

0  1 SCORE: 0.184 RANK: 9/11 PARISHES ASSESSED

94.4%

Households
with Piped
Water

6.3%

Households
with
Unimproved
Sanitation



ISLAND CAPACITY (IC)

RANK: 7 / 11 PARISHES ASSESSED
SCORE: 0.516

Saint Philip exhibits weaker Island Capacity in the areas of Emergency Services and Health Care Capacity and Environmental Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Islands Capacity score.



Environmental Capacity

0  1 **SCORE: 0.203** **RANK: 8/11 PARISHES ASSESSED**

35.1% Croplands	-0.2 Net Carbon Flux	0.0% Protected Area	0% Protected Coastlines
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Infrastructure Capacity

0  1 **SCORE: 0.651** **RANK: 5/11 PARISHES ASSESSED**



Communications Capacity

0  1 **SCORE: 0.777** **RANK: 3/11 PARISHES ASSESSED**

77.0% Households with Fixed Phones	61.4% Households with Computer	51.5% Households with Internet Access
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Emergency Services and Health Care Capacity

0  1 **SCORE: 0.491** **RANK: 6/11 PARISHES ASSESSED**

6.2 Average Distance to Fire Station (km)	2.3 Average Distance to Hospital or Clinic (km)	4.6 Average Distance to Police Station (km)	1.2 Average Distance to Shelter (km)	0.8 Hospitals and Clinics per 10,000 Persons
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Energy Capacity

0  1 **SCORE: 0.684** **RANK: 7/11 PARISHES ASSESSED**

98.1% Households with Electric Lighting	92.7% Households Using Gas for Cooking
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LOGISTICS CAPACITY (LC)

RANK: 9 / 11 PARISHES ASSESSED
SCORE: 0.352

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



Maritime Logistics

0 1 **SCORE: 0.223** **RANK: 10/11 PARISHES ASSESSED**

5.7 Average Distance to Seaport (km)	233.4 Distance to External Medium or Large Seaport (km)	0.05 Port Density (ports per km of coastline)
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Air Support

0 1 **SCORE: 0.311** **RANK: 9/11 PARISHES ASSESSED**

170.1 Distance to External C130 Airport (km)	6.9 Average Distance to Airport or Heliport (km)
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Transportation Capacity

0 1 **SCORE: 0.272** **RANK: 8/11 PARISHES ASSESSED**

0.05 Gas Stations per 1,000 Persons	7.2 Road Density (km of roads per sq km)
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Warehouse Access

0 1 **SCORE: 0.603** **RANK: 6/11 PARISHES ASSESSED**

17.8 Average Distance to Warehouse (km)	1.3 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 Barbados was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 7 / 11 PARISHES ASSESSED
SCORE: 0.434



RESILIENCE (R)

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

RANK: 5 / 11 PARISHES ASSESSED
SCORE: 0.601

KEY FACTORS INFLUENCING RESILIENCE

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

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



Economic Constraints

Economic constraints have individual, household, community, and region-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit the ability to facilitate short- and long-term recovery.



Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled may have more difficulty with mobilizing and evacuating in a timely fashion and therefore become even more susceptible to harm during times of disaster. Further, the deaf or hard of hearing may not hear audible hazard alerts. Once evacuated, these populations will require additional services and care considerations in the response aftermath and during recovery. Plans and strategies must consider the special accommodations for these populations during response and recovery, including evacuation and sheltering.



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.

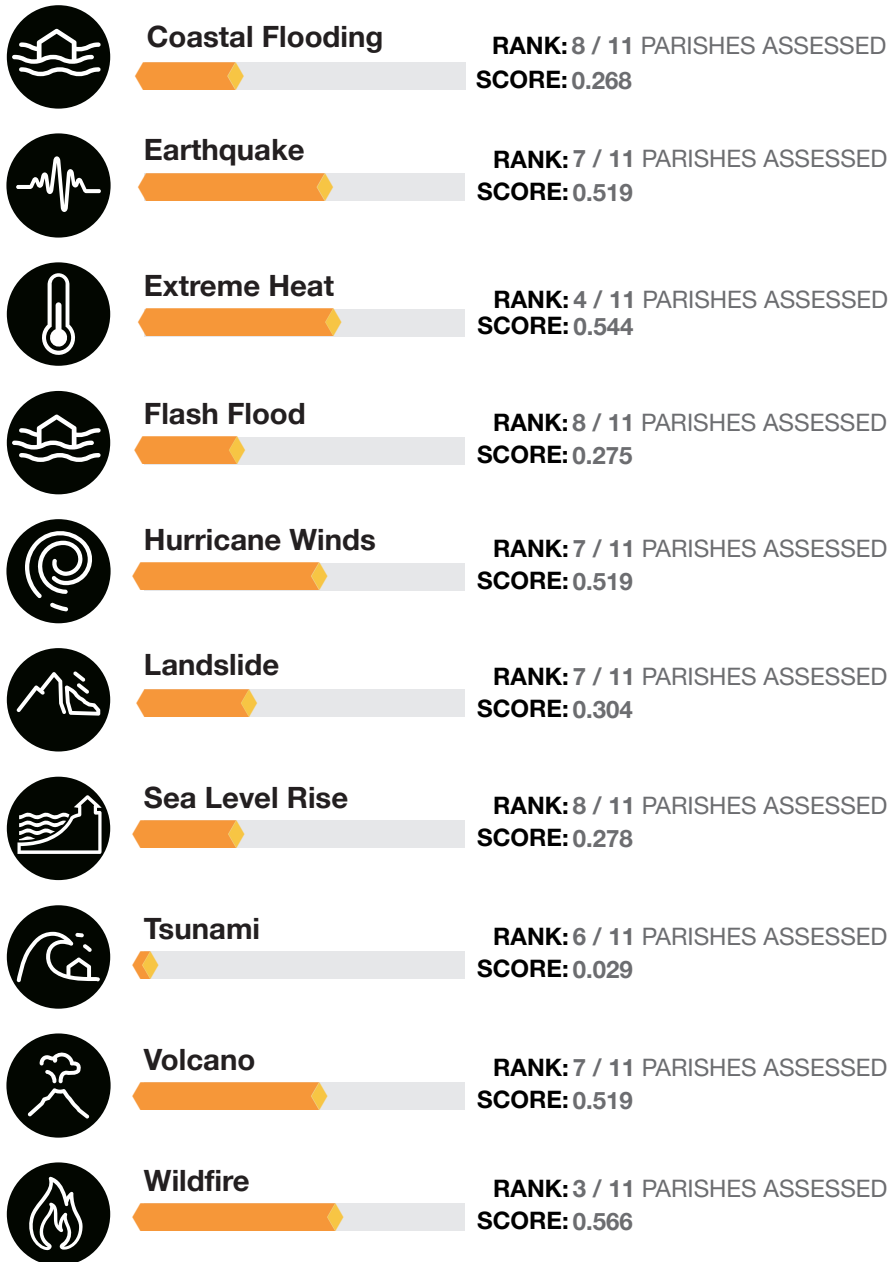


Transportation Capacity

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.



HAZARD-SPECIFIC RISK (HSR)

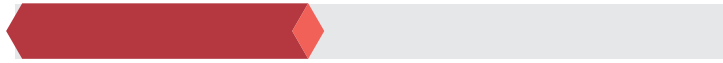




MULTI-HAZARD RISK (MHR)

8 / 11

RANK AMONG PARISHES
Score: 0.415



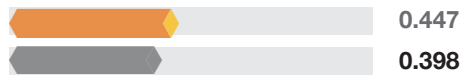
Saint Philip's score and ranking are due to Moderate Multi-Hazard Exposure combined with Very Low Vulnerability and Low Coping Capacity scores.

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

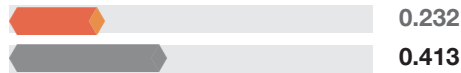
PARISH SCORE
COUNTRY SCORE



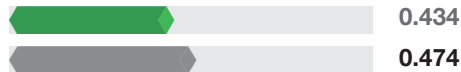
Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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