



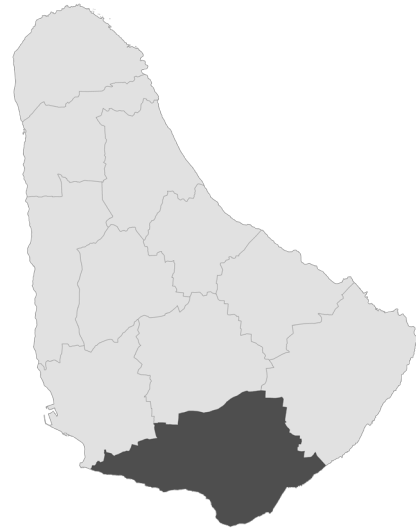
BARBADOS

CHRIST CHURCH

NDPBA SUBNATIONAL PROFILE

BARBADOS CHRIST CHURCH

Area: 57 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Moderate

Score: 0.448 • Rank: 6/11



RESILIENCE (R)

- Moderate

Score: 0.590 • Rank: 6/11



MULTI-HAZARD EXPOSURE (MHE)

- High

Score: 0.525 • Rank: 3/11



VULNERABILITY (V)

- Moderate

Score: 0.392 • Rank: 6/11



COPING CAPACITY (CC)

- High

Score: 0.571 • Rank: 4/11



Population (2010 Census)

43,127



Population Density
(persons per sq km)

757



Poverty Rate

17.4%



Housing Built Prior to
1991

70.0%



Households with
Unimproved Sanitation

4.2%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 11 PARISHES ASSESSED
SCORE: 0.525



MHE
0.525

Raw MHE
0.634

Relative MHE
0.415

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

2%

👤 1,060

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **18%**



Hurricane Winds

100%

👤 55,600

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 55,600

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

0%

👤 0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Extreme Heat

76%

👤 42,000

Buildings Exposed: **79%**

Critical Infrastructure Exposed: **79%**



Sea Level Rise

1%

👤 692

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **17%**



Flash Flood

9%

👤 4,990

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **17%**



Tsunami

2%

👤 1,040

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **17%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 11 PARISHES ASSESSED
SCORE: 0.525

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcanic Ashfall

100%

55,600

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

17%

9,280

Buildings Exposed: **15%**

Critical Infrastructure Exposed: **10%**



VULNERABILITY (V)

RANK: 6 / 11 PARISHES ASSESSED
SCORE: 0.392

Vulnerability in Christ Church is primarily driven by Economic Constraints and Population Pressures. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.272** **RANK: 9/11 PARISHES ASSESSED**

82.7% Primary School Attendance Rate	55.1% Secondary School Attendance Rate	81.6% Household Access to Radio	93.7% Household Access to Television
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Economic Constraints

0  1 **SCORE: 0.599** **RANK: 3/11 PARISHES ASSESSED**

0.49 Economic Dependency Ratio	17.4% Poverty Rate	32.2% GINI Coefficient
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Environmental Stress

0  1 **SCORE: 0.500** **RANK: 5/11 PARISHES ASSESSED**

14.5% Coastline Exposure to Local or Global Threats	16.0% Tree Cover Loss
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Gender Inequality

0  1 **SCORE: 0.277** **RANK: 7/11 PARISHES ASSESSED**

0.10 Female to Male Labor Ratio	0.07 Female to Male Secondary School Attendance
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VULNERABILITY (V)

RANK: 6 / 11 PARISHES ASSESSED
SCORE: 0.392



Housing and Transportation Vulnerability

0  1 SCORE: 0.412 RANK: 7/11 PARISHES ASSESSED

70.0%

Housing Built
Prior to 1991

15.0%

Household
Overcrowding

37.8%

Households
without a
Private Vehicle



Household Composition and Vulnerable Health

0  1 SCORE: 0.503 RANK: 5/11 PARISHES ASSESSED

4.1

Prevalence of
Disability (per
100 persons)

14.3%

Population
Age 65 and
Over

22.5%

Population
Under Age 18



Population Pressures

0  1 SCORE: 0.557 RANK: 2/11 PARISHES ASSESSED

1.4%

Average Annual
Population
Change

757

Population
Density
(persons per
sq km)



Clean Water Access Vulnerability

0  1 SCORE: 0.011 RANK: 11/11 PARISHES ASSESSED

96.5%

Households
with Piped
Water

4.2%

Households
with
Unimproved
Sanitation



ISLAND CAPACITY (IC)

RANK: 3 / 11 PARISHES ASSESSED
SCORE: 0.569

Christ Church exhibits weaker Island Capacity in the areas of Environmental Capacity and Energy Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Islands Capacity score.



Environmental Capacity

0 1 **SCORE: 0.116** **RANK: 11/11 PARISHES ASSESSED**

15.1% Croplands	-0.1 Net Carbon Flux	0.9% Protected Area	0.0% Protected Coastlines
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Infrastructure Capacity

0 1 **SCORE: 0.764** **RANK: 1/11 PARISHES ASSESSED**



Communications Capacity

0 1 **SCORE: 0.838** **RANK: 2/11 PARISHES ASSESSED**

78.2% Households with Fixed Phones	61.8% Households with Computer	53.0% Households with Internet Access
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Emergency Services and Health Care Capacity

0 1 **SCORE: 0.727** **RANK: 3/11 PARISHES ASSESSED**

3.1 Average Distance to Fire Station (km)	1.9 Average Distance to Hospital or Clinic (km)	2.3 Average Distance to Police Station (km)	1.0 Average Distance to Shelter (km)	1.1 Hospitals and Clinics per 10,000 Persons
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Energy Capacity

0 1 **SCORE: 0.726** **RANK: 5/11 PARISHES ASSESSED**

98.8% Households with Electric Lighting	92.0% Households Using Gas for Cooking
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LOGISTICS CAPACITY (LC)

RANK: 4 / 11 PARISHES ASSESSED
SCORE: 0.574

Christ Church 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: 0.402** **RANK: 6/11 PARISHES ASSESSED**

3.1 Average Distance to Seaport (km)	230.6 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: 0.611** **RANK: 5/11 PARISHES ASSESSED**

162.9 Distance to External C130 Airport (km)	4.4 Average Distance to Airport or Heliport (km)
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Transportation Capacity

0  1 **SCORE: 0.433** **RANK: 4/11 PARISHES ASSESSED**

0.13 Gas Stations per 1,000 Persons	8.7 Road Density (km of roads per sq km)
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Warehouse Access

0  1 **SCORE: 0.849** **RANK: 2/11 PARISHES ASSESSED**

9.2 Average Distance to Warehouse (km)	0.0 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: 4 / 11 PARISHES ASSESSED
SCORE: 0.571



RESILIENCE (R)

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

RANK: 6 / 11 PARISHES ASSESSED
SCORE: 0.590

KEY FACTORS INFLUENCING RESILIENCE

Christ Church'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:



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.



Population Pressures

Rapid changes in population size and distribution can alter population vulnerability characteristics presenting planning challenges and destabilizing social, economic, and environmental systems. Increased population pressures require disaster managers to realign needs, institutional structures, and available resources to support delivery of basic resources before, during, and after an event.



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.

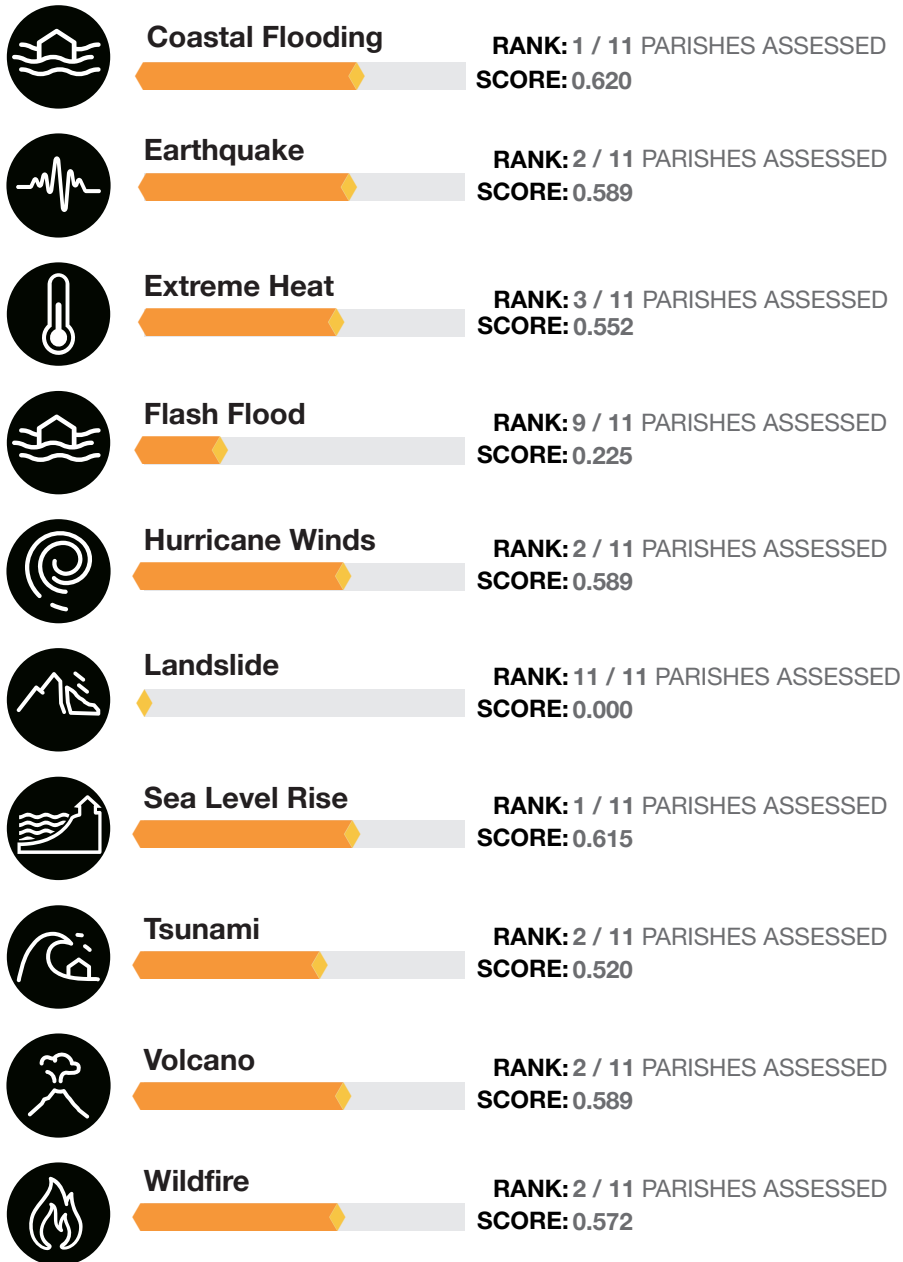


Transportation Capacity

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)

6 / 11

RANK AMONG PARISHES
Score: 0.448



Christ Church'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:

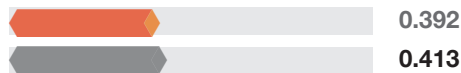
PARISH SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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