



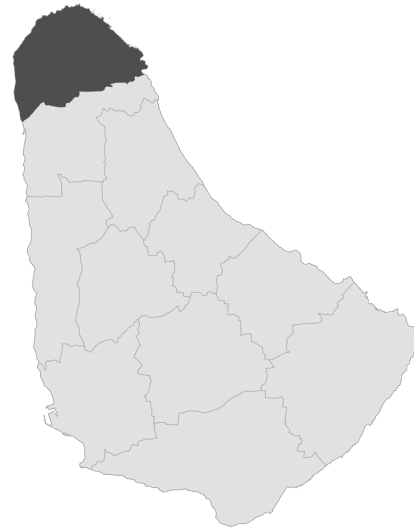
BARBADOS

SAINT LUCY

NDPBA SUBNATIONAL PROFILE

BARBADOS SAINT LUCY

Area: 36 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Very High

Score: 0.573 • Rank: 2/11



RESILIENCE (R)

- Low

Score: 0.419 • Rank: 8/11



MULTI-HAZARD EXPOSURE (MHE)

- Very High

Score: 0.557 • Rank: 2/11



VULNERABILITY (V)

- Moderate

Score: 0.525 • Rank: 5/11



COPING CAPACITY (CC)

- Very Low

Score: 0.363 • Rank: 9/11



Population (2010 Census)

8,609



Population Density
(persons per sq km)

239



Poverty Rate

17.8%



Housing Built Prior to
1991

60.6%



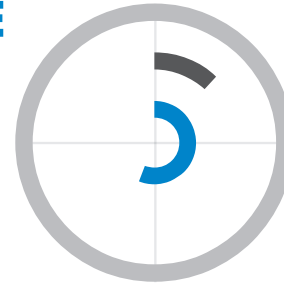
Households with
Unimproved Sanitation

9.8%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 11 PARISHES ASSESSED
SCORE: 0.557



MHE
0.557

Raw MHE
0.115

Relative MHE
1.000

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

1%

👤 68

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **18%**



Hurricane Winds

100%

👤 9,830

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 9,830

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

36%

👤 3,550

Buildings Exposed: **36%**

Critical Infrastructure Exposed: **22%**



Extreme Heat

100%

👤 9,830

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Sea Level Rise

<1%

👤 43

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **18%**



Flash Flood

97%

👤 9,490

Buildings Exposed: **96%**

Critical Infrastructure Exposed: **100%**



Tsunami

<1%

👤 26

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **15%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 11 PARISHES ASSESSED
SCORE: 0.557

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcanic Ashfall

100%

9,830

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

10%

993

Buildings Exposed: **11%**

Critical Infrastructure Exposed: **20%**



VULNERABILITY (V)

RANK: 5 / 11 PARISHES ASSESSED
SCORE: 0.525

Vulnerability in Saint Lucy is primarily driven by Information Access Vulnerability and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.786** **RANK: 2/11 PARISHES ASSESSED**

77.9% Primary School Attendance Rate	53.7% Secondary School Attendance Rate	76.0% Household Access to Radio	89.5% Household Access to Television
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Economic Constraints

0  1 **SCORE: 0.339** **RANK: 8/11 PARISHES ASSESSED**

0.48 Economic Dependency Ratio	17.8% Poverty Rate	29.8% GINI Coefficient
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Environmental Stress

0  1 **SCORE: 0.510** **RANK: 4/11 PARISHES ASSESSED**

63.5% Coastline Exposure to Local or Global Threats	8.8% Tree Cover Loss
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Gender Inequality

0  1 **SCORE: 0.756** **RANK: 1/11 PARISHES ASSESSED**

0.13 Female to Male Labor Ratio	0.18 Female to Male Secondary School Attendance
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VULNERABILITY (V)

RANK: 5 / 11 PARISHES ASSESSED
SCORE: 0.525



Housing and Transportation Vulnerability

0  1 SCORE: 0.518 RANK: 5/11 PARISHES ASSESSED

60.6%

Housing Built
Prior to 1991

17.5%

Household
Overcrowding

44.4%

Households
without a
Private Vehicle



Household Composition and Vulnerable Health

0  1 SCORE: 0.612 RANK: 3/11 PARISHES ASSESSED

5.3

Prevalence of
Disability (per
100 persons)

12.5%

Population
Age 65 and
Over

23.4%

Population
Under Age 18



Population Pressures

0  1 SCORE: 0.228 RANK: 6/11 PARISHES ASSESSED

0.9%

Average Annual
Population
Change

239

Population
Density
(persons per
sq km)



Clean Water Access Vulnerability

0  1 SCORE: 0.455 RANK: 4/11 PARISHES ASSESSED

91.2%

Households
with Piped
Water

9.8%

Households
with
Unimproved
Sanitation



ISLAND CAPACITY (IC)

RANK: 11 / 11 PARISHES ASSESSED
SCORE: 0.282

Saint Lucy exhibits weaker Island Capacity in the areas of Communications Capacity and Energy 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**

33.5% Croplands	-0.3 Net Carbon Flux	0.0% Protected Area	0.0% Protected Coastlines
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Infrastructure Capacity

0  1 **SCORE: 0.316** **RANK: 10/11 PARISHES ASSESSED**



Communications Capacity

0  1 **SCORE: 0.230** **RANK: 8/11 PARISHES ASSESSED**

70.0% Households with Fixed Phones	48.5% Households with Computer	40.4% Households with Internet Access
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Emergency Services and Health Care Capacity

0  1 **SCORE: 0.438** **RANK: 8/11 PARISHES ASSESSED**

14.5 Average Distance to Fire Station (km)	3.1 Average Distance to Hospital or Clinic (km)	3.0 Average Distance to Police Station (km)	1.1 Average Distance to Shelter (km)	1.0 Hospitals and Clinics per 10,000 Persons
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Energy Capacity

0  1 **SCORE: 0.280** **RANK: 11/11 PARISHES ASSESSED**

95.3% Households with Electric Lighting	92.6% Households Using Gas for Cooking
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LOGISTICS CAPACITY (LC)

RANK: 6 / 11 PARISHES ASSESSED
SCORE: 0.444

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



Maritime Logistics

0  1 **SCORE: 0.630** **RANK: 3/11 PARISHES ASSESSED**

4.2 Average Distance to Seaport (km)	209.1 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: 0.872** **RANK: 2/11 PARISHES ASSESSED**

148.7 Distance to External C130 Airport (km)	5.7 Average Distance to Airport or Heliport (km)
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Transportation Capacity

0  1 **SCORE: 0.274** **RANK: 7/11 PARISHES ASSESSED**

0.10 Gas Stations per 1,000 Persons	6.2 Road Density (km of roads per sq km)
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Warehouse Access

0  1 **SCORE: 0.000** **RANK: 11/11 PARISHES ASSESSED**

23.4 Average Distance to Warehouse (km)	18.3 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: 9 / 11 PARISHES ASSESSED
SCORE: 0.363



RESILIENCE (R)

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

RANK: 8 / 11 PARISHES ASSESSED
SCORE: 0.419

KEY FACTORS INFLUENCING RESILIENCE

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

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



Information Access Vulnerability

Limitations in information access can impede a population's ability to receive, understand, and take action. Emergency messages must take into account the unique information access constraints of the region. Emergency messages presented to the population must contain clear and simple information to ensure an appropriate response to save lives and reduce losses.



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.



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.

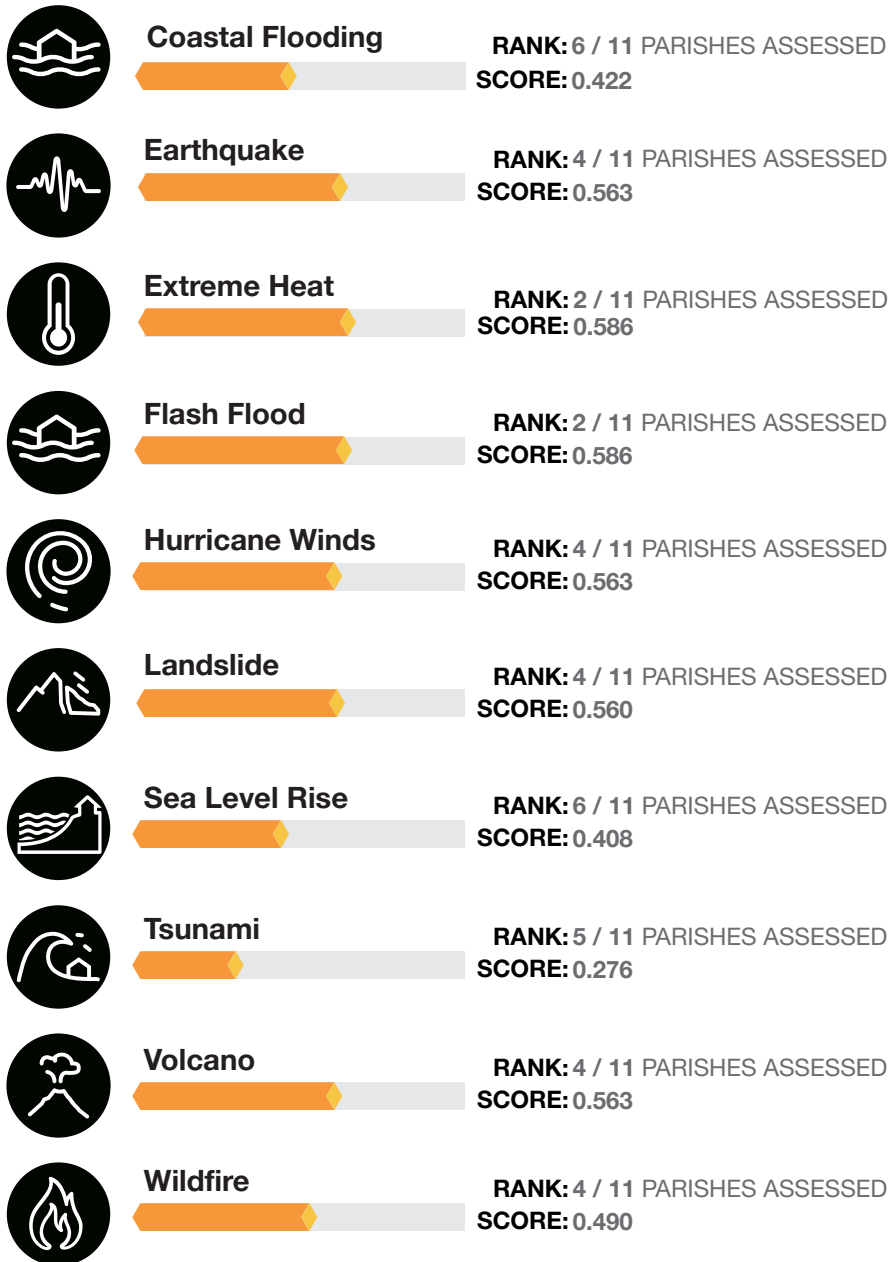


Transportation Capacity

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)

2 / 11

RANK AMONG PARISHES
Score: 0.573



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

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

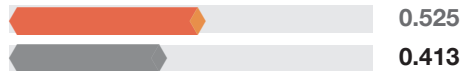
PARISH SCORE
COUNTRY SCORE



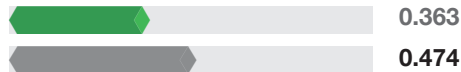
Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

**1305 N. Holo pono Street | P: (808) 891-0525
Suite 2, Kihei, HI 96753 | F: (808) 891-0526**



@PDC_Global



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www.pdc.org



ndpba.eci@pdc.org