



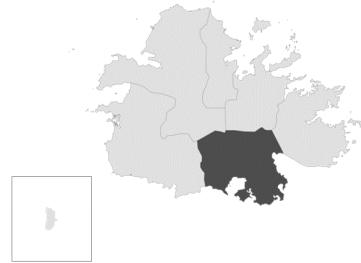
ANTIGUA & BARBUDA

SAINT PAUL

NDPBA SUBNATIONAL PROFILE

ANTIGUA & BARBUDA SAINT PAUL

Area: 47.92 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Moderate

Score: 0.463 • Rank: 3/8



RESILIENCE (R)

- Low

Score: 0.566 • Rank: 4/8



MULTI-HAZARD EXPOSURE (MHE)

- Moderate

Score: 0.520 • Rank: 3/8



VULNERABILITY (V)

- High

Score: 0.407 • Rank: 2/8



COPING CAPACITY (CC)

- Low

Score: 0.539 • Rank: 4/8



Population (2011 Census)

8,116



Prevalence of Chronic Illness

29.6%



Unemployment Rate

20.6%



Population with Unmet Housing Need

13.1%



Households with Internet Access

36.3%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 8 ASSESSED
SCORE: 0.520



MHE
0.520

Raw MHE
0.169

Relative MHE
0.871

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

3%

👤 228

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **31%**



Hurricane Winds

100%

👤 8,070

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 8,070

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

37%

👤 2,960

Buildings Exposed: **31%**

Critical Infrastructure Exposed: **29%**



Extreme Heat

100%

👤 8,070

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Sea Level Rise

9%

👤 699

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **27%**



Flood

73%

👤 5,860

Buildings Exposed: **79%**

Critical Infrastructure Exposed: **65%**



Tsunami

9%

👤 699

Buildings Exposed: **11%**

Critical Infrastructure Exposed: **33%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 8 ASSESSED
SCORE: 0.520

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Wildfire

1%

79

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **0%**



VULNERABILITY (V)

RANK: 2 / 8 ASSESSED
SCORE: 0.407

Vulnerability in Saint Paul is primarily driven by Housing and Transportation Vulnerability and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.461** **RANK: 4/8 ASSESSED**

19.7%

Highest Education Primary School

74.0%

Households without Desktop Computer Access

36.3%

Households with Internet Access

79.9%

Households with Television Access

67.3%

Households with Radio Access



Economic Constraints

0  1 **SCORE: 0.518** **RANK: 2/8 ASSESSED**

0.48

Economic Dependency Ratio

67.7%

Labor Force Participation Rate

3.7%

Population Receiving Remittances

20.6%

Unemployment Rate



Environmental Stress

0  1 **SCORE: 0.062** **RANK: 7/8 ASSESSED**

15.7%

Coastline Exposure to Local or Global Threats

1.9%

Tree Cover Loss



Gender Inequality

0  1 **SCORE: 0.600** **RANK: 2/8 ASSESSED**

0.10

Female to Male Labor Ratio

0.25

Female to Male Secondary Education Attainment



VULNERABILITY (V)

RANK: 2 / 8 ASSESSED
SCORE: 0.407



Housing and Transportation Vulnerability

0  1 **SCORE: 0.727** **RANK: 2/8 ASSESSED**

70.3%
Housing Built
Prior to 2000

6.4%
Household
Overcrowding

38.3%
Households
without Private
Vehicle

13.1%
Population
with Unmet
Housing Need



Household Composition and Vulnerable Health

0  1 **SCORE: 0.212** **RANK: 3/8 ASSESSED**

2.98
Prevalence of
Disability (per
100 persons)

29.6%
Prevalence of
Chronic Illness
(per 100
persons)

7.8%
Population
Age 65 and
Over

24.5%
Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.270** **RANK: 5/8 ASSESSED**

1.0%
Average Annual
Population
Change

169.4
Population
Density
(persons per
sq km)



ISLAND CAPACITY (IC)

RANK: 4 / 8 ASSESSED
SCORE: 0.606

Saint Paul exhibits weaker Island Capacity in the areas of Energy Capacity and Health Care Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Island Capacity score.



Environmental Capacity

0  1 **SCORE: 0.471** **RANK: 4/8 ASSESSED**

5.0% Croplands	-6.34 Net Carbon Flux	40.7% Protected Terrestrial Area	84.8% Protected Coastlines
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Governance Capacity

0  1 **SCORE: 0.705** **RANK: 5/8 ASSESSED**

96.9% Household Waste Disposal	4.4% Prevalence of Crime
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Infrastructure Capacity

0  1 **SCORE: 0.578** **RANK: 4/8 ASSESSED**



Communications Capacity

0  1 **SCORE: 0.635** **RANK: 3/8 ASSESSED**

41.7% Households with Fixed Phones	87.0% Households with Mobile Phones
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Emergency Services Capacity

0  1 **SCORE: 0.767** **RANK: 2/8 ASSESSED**

4.6 Average Distance to Fire Station (km)	1.8 Average Distance to Hospital or Clinic (km)	1.7 Average Distance to Police Station (km)	1.0 Average Distance to Shelter (km)
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Energy Capacity

0  1 **SCORE: 0.399** **RANK: 4/8 ASSESSED**

91.6% Household Access to Public Electricity	96.9% Households Using Gas for Cooking	7.8% Households with Generator
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Health Care Capacity

0  1 **SCORE: 0.510** **RANK: 4/8 ASSESSED**

53.0% Health Insurance Coverage	0.37 Hospitals and Clinics per 1,000 Persons
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LOGISTICS CAPACITY (LC)

RANK: 5 / 8 ASSESSED
SCORE: 0.471

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



Maritime Logistics

0 1 **SCORE: 0.930** **RANK: 1/8 ASSESSED**

2.3 Average Distance to Seaport (km)	87.7 Distance to External Medium or Large Seaport (km)	0.23 Port Density (ports per km of coastline)
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Air Support

0 1 **SCORE: 0.157** **RANK: 7/8 ASSESSED**

84.3 Distance to External C130 Airport (km)	12.1 Average Distance to Airport or Heliport (km)
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Transportation Capacity

0 1 **SCORE: 0.251** **RANK: 5/8 ASSESSED**

0.25 Gas Stations per 1,000 Persons	3.6 Road Density (km of roads per sq km)
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Warehouse Access

0 1 **SCORE: 0.548** **RANK: 6/8 ASSESSED**

12.7 Average Distance to Warehouse (km)	8.1 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 Antigua & Barbuda was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 4 / 8 ASSESSED
SCORE: 0.539



RESILIENCE (R)

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

RANK: 4 / 8 ASSESSED
SCORE: 0.566

KEY FACTORS INFLUENCING RESILIENCE

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

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



Housing and Transportation 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, higher density living situations such as crowded housing, as well as populations with unmet housing needs, increase susceptibility to negative consequences as a result of hazard exposure. Populations with limited vehicle access are more likely to experience mobility challenges during an evacuation, and have difficulty accessing needed supplies and services before, during and after a hazard event.



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.



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.

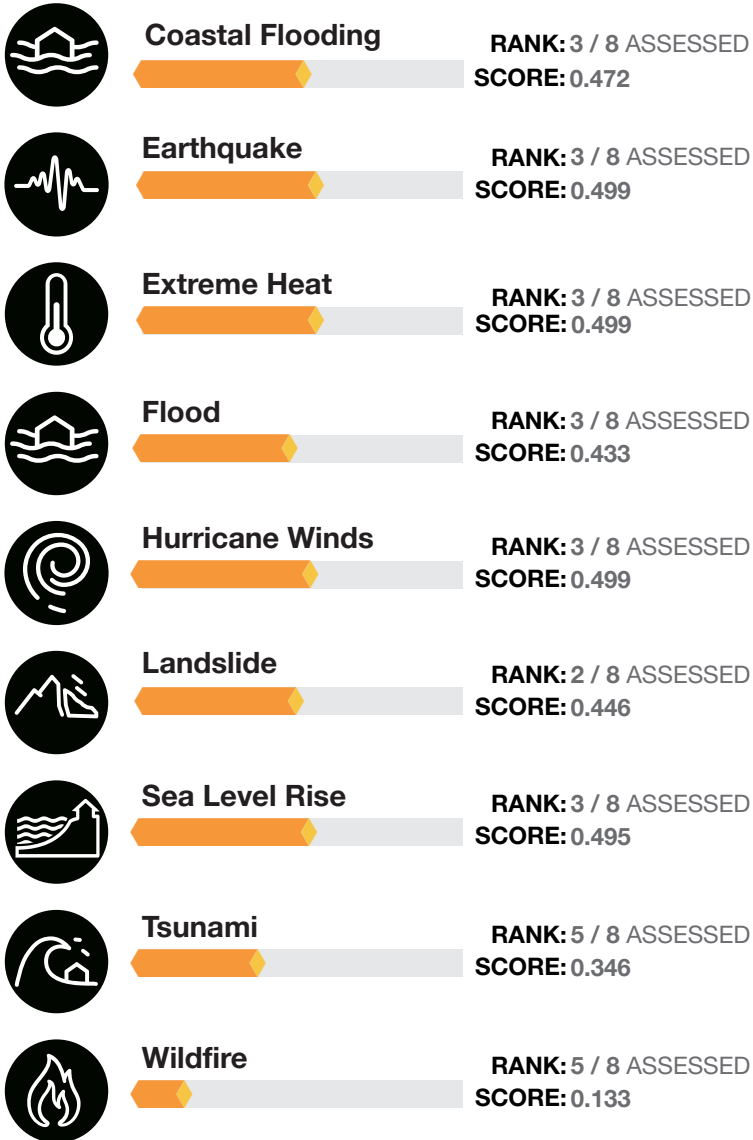


Transportation Capacity

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)

3 / 8

RANK AMONG PARISHES/DEPENDENCIES
Score: 0.463



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

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

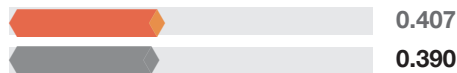
 PARISH SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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