



DOMINICA

SAINT ANDREW

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT ANDREW

Area: 179.9 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- High

Score: 0.458 • Rank: 3/10



RESILIENCE (R)

- Very Low

Score: 0.473 • Rank: 9/10



MULTI-HAZARD EXPOSURE (MHE)

- Low

Score: 0.319 • Rank: 7/10



VULNERABILITY (V)

- Very High

Score: 0.630 • Rank: 1/10



COPING CAPACITY (CC)

- High

Score: 0.576 • Rank: 4/10



Total Population (2011)

9,184



Coastal Population
Concentration

23.0%



Poverty Rate

38.1%



Households with
Reduced Water
Availability

36.2%



Coastline Exposure to
Local or Global Threats

88.2%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.319



MHE
0.319

Raw MHE
0.532

Relative MHE
0.106

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

1%

👤 94

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **20%**



Hurricane Winds

100%

👤 8,690

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 8,690

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

12%

👤 1,010

Buildings Exposed: **11%**

Critical Infrastructure Exposed: **14%**



Extreme Heat

49%

👤 4,260

Buildings Exposed: **50%**

Critical Infrastructure Exposed: **32%**



Sea Level Rise

1%

👤 80

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **20%**



Flash Flood

12%

👤 1,080

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **41%**



Tsunami

2%

👤 161

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **20%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.319

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

33%

2,830

Buildings Exposed: **32%**

Critical Infrastructure Exposed: **22%**



Wildfire

2%

143

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **0%**



VULNERABILITY (V)

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.630

Vulnerability in Saint Andrew 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.



Economic Constraints

0  1 **SCORE: 0.868** **RANK: 2/10 PARISHES ASSESSED**

63.4
Economic
Dependency
Ratio

38.1%
Poverty Rate



Environmental Stress

0  1 **SCORE: 0.618** **RANK: 2/10 PARISHES ASSESSED**

23.0%
Coastal
Population
Concentration

88.2%
Coastline
Exposure
to Local or
Global Threats

48.0%
Tree Cover
Loss



Household Infrastructure Vulnerability

0  1 **SCORE: 0.629** **RANK: 2/10 PARISHES ASSESSED**

11.7%
Housing Built
Prior to 2003

36.2%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0  1 **SCORE: 0.748** **RANK: 1/10 PARISHES ASSESSED**

6.8%
Prevalence of
Disability (per
100 persons)

0.4%
Institutionalized
Population

13.3%
Population
Age 65 and
Over

25.5%
Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.285** **RANK: 7/10 PARISHES ASSESSED**

1.2%
Average Annual
Population
Change

51.1
Population
Density
(persons per
sq km)

16.0%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.641

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



Environmental Capacity

0  1 **SCORE: 0.683** **RANK: 1/10 PARISHES ASSESSED**

0.36% Croplands	-55.2 Net Carbon Flux	25.1% Protected Terrestrial Area	0.0% Protected Coastlines
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Emergency Service and Health Care Capacity

0  1 **SCORE: 0.623** **RANK: 5/10 PARISHES ASSESSED**

0.9 Average Distance to Shelter (km)	1.0 Average Distance to Hospital or Clinic (km)	4.8 Average Distance to Fire Station (km)	4.7 Average Distance to Police Station (km)	1.2 Hospitals and Clinics per 1,000 Persons
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LOGISTICS CAPACITY (LC)

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.511

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



Maritime Logistics

0  1 **SCORE: 0.538** **RANK: 4/10 PARISHES ASSESSED**

5.1 Average Distance to Seaport (km)	66.4 Distance to External Medium or Large Seaport (km)	0.2 Port Density (ports per 10 km of coastline)
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Air Support

0  1 **SCORE: 0.828** **RANK: 2/10 PARISHES ASSESSED**

69.9 Distance to External C130 Airport (km)	4.9 Average Distance to Airport or Heliport (km)
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Transportation Capacity

0  1 **SCORE: 0.147** **RANK: 8/10 PARISHES ASSESSED**

0.1 Gas Stations per 1,000 Persons	1.5 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.533** **RANK: 6/10 PARISHES ASSESSED**

5.1 Average Distance to Warehouse (km)	316.8 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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.576



RESILIENCE (R)

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

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.473

KEY FACTORS INFLUENCING RESILIENCE

Saint Andrew's score and ranking are due to Very High 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.



Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings 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.



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.



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.

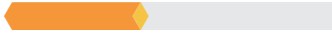


HAZARD-SPECIFIC RISK (HSR)



Coastal Flooding

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.373



Earthquake

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.653



Extreme Heat

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.615



Flash Flood

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.370



Hurricane Winds

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.653



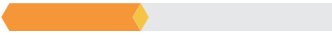
Landslide

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.406



Sea Level Rise

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.381



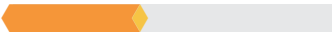
Tsunami

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.347



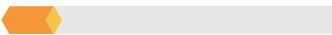
Volcano

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.379



Wildfire

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.129





MULTI-HAZARD RISK (MHR)

3 / 10

RANK AMONG PARISHES
Score: 0.458



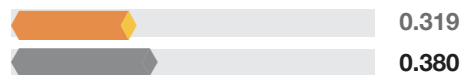
Saint Andrew's score and ranking are due to Low Multi-Hazard Exposure combined with Very High Vulnerability and High Coping Capacity scores.

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

PARISH SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



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DOMINICA

SAINT DAVID

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT DAVID

Area: 125.8 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Very High
Score: 0.512 • Rank: 1/10



RESILIENCE (R)

- Very Low
Score: 0.344 • Rank: 10/10



MULTI-HAZARD EXPOSURE (MHE)

- Very Low
Score: 0.226 • Rank: 9/10



VULNERABILITY (V)

- Very High
Score: 0.616 • Rank: 2/10



COPING CAPACITY (CC)

- Very Low
Score: 0.305 • Rank: 10/10



Total Population (2011)
5,899



Coastal Population
Concentration
19.3%



Poverty Rate
40.4%



Households with
Reduced Water
Availability
60.7%



Coastline Exposure to
Local or Global Threats
7.9%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.226



MHE
0.226

Raw MHE
0.355

Relative MHE
0.098

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

<1%

👤 39

Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **2%**



Hurricane Winds

100%

👤 5,620

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



Earthquake

100%

👤 5,620

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



Landslide

23%

👤 1,310

Buildings Exposed: **26%**
Critical Infrastructure Exposed: **17%**



Extreme Heat

31%

👤 1,750

Buildings Exposed: **34%**
Critical Infrastructure Exposed: **19%**



Sea Level Rise

<1%

👤 31

Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **2%**



Flash Flood

11%

👤 612

Buildings Exposed: **11%**
Critical Infrastructure Exposed: **49%**



Tsunami

1%

👤 54

Buildings Exposed: **1%**
Critical Infrastructure Exposed: **15%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.226

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

50%

2,800

Buildings Exposed: **48%**

Critical Infrastructure Exposed: **49%**



Wildfire

<1%

8

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **0%**



VULNERABILITY (V)

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.616

Vulnerability in Saint David is primarily driven by Household Infrastructure Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Economic Constraints

0  1 **SCORE: 0.908** **RANK: 1/10 PARISHES ASSESSED**

63.6
Economic
Dependency
Ratio

40.4%
Poverty Rate



Environmental Stress

0  1 **SCORE: 0.180** **RANK: 9/10 PARISHES ASSESSED**

19.3%
Coastal
Population
Concentration

7.9%
Coastline
Exposure
to Local or
Global Threats

26.0%
Tree Cover
Loss



Household Infrastructure Vulnerability

0  1 **SCORE: 1.000** **RANK: 1/10 PARISHES ASSESSED**

12.3%
Housing Built
Prior to 2003

60.7%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0  1 **SCORE: 0.646** **RANK: 2/10 PARISHES ASSESSED**

6.2%
Prevalence of
Disability (per
100 persons)

0.0%
Institutionalized
Population

13.1%
Population
Age 65 and
Over

25.8%
Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.349** **RANK: 5/10 PARISHES ASSESSED**

1.4%
Average Annual
Population
Change

46.9
Population
Density
(persons per
sq km)

16.4%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 10 / 10 PARISHES ASSESSED
SCORE: 0.360

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



Environmental Capacity

0  1 **SCORE: 0.189** **RANK: 9/10 PARISHES ASSESSED**

0.00% Croplands	47.0 Net Carbon Flux	12.9% Protected Terrestrial Area	0.0% Protected Coastlines
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Emergency Service and Health Care Capacity

0  1 **SCORE: 0.434** **RANK: 10/10 PARISHES ASSESSED**

0.7 Average Distance to Shelter (km)	1.1 Average Distance to Hospital or Clinic (km)	11.7 Average Distance to Fire Station (km)	7.3 Average Distance to Police Station (km)	1.3 Hospitals and Clinics per 1,000 Persons
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LOGISTICS CAPACITY (LC)

RANK: 10 / 10 PARISHES ASSESSED
SCORE: 0.251

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



Maritime Logistics

0 1 **SCORE: 0.033** **RANK: 10/10 PARISHES ASSESSED**

11.0 Average Distance to Seaport (km)	83.8 Distance to External Medium or Large Seaport (km)	0.0 Port Density (ports per 10 km of coastline)
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Air Support

0 1 **SCORE: 0.212** **RANK: 9/10 PARISHES ASSESSED**

87.1 Distance to External C130 Airport (km)	8.1 Average Distance to Airport or Heliport (km)
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Transportation Capacity

0 1 **SCORE: 0.000** **RANK: 10/10 PARISHES ASSESSED**

0.0 Gas Stations per 1,000 Persons	1.4 Road Density (km of roads per sq km)
--	--



Warehouse Access

0 1 **SCORE: 0.757** **RANK: 3/10 PARISHES ASSESSED**

4.9 Average Distance to Warehouse (km)	302.9 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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 10 / 10 PARISHES ASSESSED
SCORE: 0.305



RESILIENCE (R)

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

RANK: 10 / 10 PARISHES ASSESSED
SCORE: 0.344

KEY FACTORS INFLUENCING RESILIENCE

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

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



Household Infrastructure 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, households experiencing access constraints to clean water and sanitation are challenged to maintain a standard of living that meets basic household needs, and face significant demands on daily routines that effectively limit their response and recovery capacity as well as the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.



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.



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.



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.



HAZARD-SPECIFIC RISK (HSR)



Coastal Flooding

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.102



Earthquake

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.682



Extreme Heat

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.487



Flash Flood

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.366



Hurricane Winds

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.682



Landslide

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.587



Sea Level Rise

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.064



Tsunami

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.259



Volcano

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.490



Wildfire

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.034



MULTI-HAZARD RISK (MHR)

1 / 10

RANK AMONG PARISHES
Score: 0.512



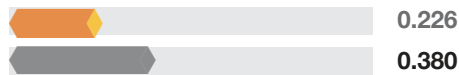
Saint David's score and ranking are due to Very Low Multi-Hazard Exposure combined with Very High Vulnerability and Very Low Coping Capacity scores.

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

PARISH SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



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DOMINICA

SAINT GEORGE

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT GEORGE

Area: 56.2 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Moderate

Score: 0.436 • Rank: 5/10



RESILIENCE (R)

- Very High

Score: 0.689 • Rank: 1/10



MULTI-HAZARD EXPOSURE (MHE)

- Very High

Score: 0.686 • Rank: 1/10



VULNERABILITY (V)

- Very Low

Score: 0.332 • Rank: 9/10



COPING CAPACITY (CC)

- Very High

Score: 0.710 • Rank: 1/10



Total Population (2011)

20,791



Coastal Population
Concentration

32.0%



Poverty Rate

13.7%



Households with
Reduced Water
Availability

14.1%



Coastline Exposure to
Local or Global Threats

12.5%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.686



MHE
0.686

Raw MHE
1.000

Relative MHE
0.372

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

3%

603

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **12%**



Hurricane Winds

100%

21,700

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

21,700

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

21%

4,510

Buildings Exposed: **22%**

Critical Infrastructure Exposed: **11%**



Extreme Heat

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Sea Level Rise

2%

483

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **12%**



Flash Flood

16%

3,540

Buildings Exposed: **25%**

Critical Infrastructure Exposed: **52%**



Tsunami

5%

1,080

Buildings Exposed: **9%**

Critical Infrastructure Exposed: **20%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.686

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

100%

21,700

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

14%

3,040

Buildings Exposed: **16%**

Critical Infrastructure Exposed: **15%**



VULNERABILITY (V)

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.332

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



Economic Constraints

0  1 **SCORE: 0.113** **RANK: 9/10 PARISHES ASSESSED**

49.0
Economic
Dependency
Ratio

13.7%
Poverty Rate



Environmental Stress

0  1 **SCORE: 0.149** **RANK: 10/10 PARISHES ASSESSED**

32.0%
Coastal
Population
Concentration

12.5%
Coastline
Exposure
to Local or
Global Threats

8.5%
Tree Cover
Loss



Household Infrastructure Vulnerability

0  1 **SCORE: 0.283** **RANK: 7/10 PARISHES ASSESSED**

11.0%
Housing Built
Prior to 2003

14.1%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0  1 **SCORE: 0.464** **RANK: 6/10 PARISHES ASSESSED**

4.4%
Prevalence of
Disability (per
100 persons)

1.5%
Institutionalized
Population

10.2%
Population
Age 65 and
Over

22.7%
Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.650** **RANK: 2/10 PARISHES ASSESSED**

0.5%
Average Annual
Population
Change

370.0
Population
Density
(persons per
sq km)

17.6%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.630

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



Environmental Capacity

0  1 **SCORE: 0.326** **RANK: 5/10 PARISHES ASSESSED**

0.00% Croplands	-3.1 Net Carbon Flux	21.3% Protected Terrestrial Area	0.0% Protected Coastlines
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Emergency Service and Health Care Capacity

0  1 **SCORE: 0.761** **RANK: 2/10 PARISHES ASSESSED**

0.4 Average Distance to Shelter (km)	0.7 Average Distance to Hospital or Clinic (km)	2.6 Average Distance to Fire Station (km)	2.6 Average Distance to Police Station (km)	0.7 Hospitals and Clinics per 1,000 Persons
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LOGISTICS CAPACITY (LC)

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.789

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



Maritime Logistics

0  1 **SCORE: 0.754** **RANK: 1/10 PARISHES ASSESSED**

2.0 Average Distance to Seaport (km)	79.0 Distance to External Medium or Large Seaport (km)	12.0 Port Density (ports per 10 km of coastline)
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Air Support

0  1 **SCORE: 0.651** **RANK: 4/10 PARISHES ASSESSED**

82.7 Distance to External C130 Airport (km)	2.2 Average Distance to Airport or Heliport (km)
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Transportation Capacity

0  1 **SCORE: 0.853** **RANK: 1/10 PARISHES ASSESSED**

0.4 Gas Stations per 1,000 Persons	3.4 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.899** **RANK: 1/10 PARISHES ASSESSED**

2.6 Average Distance to Warehouse (km)	302.0 Distance to CDEMA Sub- Regional Focal Point (km)
---	---



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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.710



RESILIENCE (R)

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

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.689

KEY FACTORS INFLUENCING RESILIENCE

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

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



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.



Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings 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.



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.



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.



HAZARD-SPECIFIC RISK (HSR)



Coastal Flooding

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.435



Earthquake

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.558



Extreme Heat

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.000



Flash Flood

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.459



Hurricane Winds

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.558



Landslide

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.464



Sea Level Rise

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.434



Tsunami

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.427



Volcano

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.558



Wildfire

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.450



MULTI-HAZARD RISK (MHR)

5 / 10

RANK AMONG PARISHES
Score: 0.436



Saint George's score and ranking are due to Very High Multi-Hazard Exposure combined with Very Low Vulnerability and Very 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



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DOMINICA

SAINT JOHN

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT JOHN

Area: 59.1 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Low

Score: 0.425 • Rank: 8/10



RESILIENCE (R)

- High

Score: 0.621 • Rank: 3/10



MULTI-HAZARD EXPOSURE (MHE)

- High

Score: 0.518 • Rank: 3/10



VULNERABILITY (V)

- Low

Score: 0.375 • Rank: 7/10



COPING CAPACITY (CC)

- High

Score: 0.617 • Rank: 3/10



Total Population (2011)

6,422



Coastal Population
Concentration

80.7%



Poverty Rate

10.2%



Households with
Reduced Water
Availability

21.2%



Coastline Exposure to
Local or Global Threats

61.3%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.518



MHE
0.518

Raw MHE
0.402

Relative MHE
0.635

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

7%

👤 475

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **15%**



Hurricane Winds

100%

👤 7,040

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 7,040

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

5%

👤 331

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **11%**



Extreme Heat

43%

👤 3,040

Buildings Exposed: **36%**

Critical Infrastructure Exposed: **22%**



Sea Level Rise

5%

👤 348

Buildings Exposed: **7%**

Critical Infrastructure Exposed: **8%**



Flash Flood

38%

👤 2,650

Buildings Exposed: **56%**

Critical Infrastructure Exposed: **69%**



Tsunami

19%

👤 1,350

Buildings Exposed: **33%**

Critical Infrastructure Exposed: **40%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.518

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

96%

6,740

Buildings Exposed: **97%**

Critical Infrastructure Exposed: **99%**



Wildfire

5%

334

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **<1%**



VULNERABILITY (V)

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.375

Vulnerability in Saint John is primarily driven by Environmental Stress and Population Pressures. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Economic Constraints

0 1 **SCORE: 0.000** **RANK: 10/10 PARISHES ASSESSED**

46.7
Economic
Dependency
Ratio

10.2%
Poverty Rate



Environmental Stress

0 1 **SCORE: 0.826** **RANK: 1/10 PARISHES ASSESSED**

80.7%
Coastal
Population
Concentration

61.3%
Coastline
Exposure
to Local or
Global Threats

65.0%
Tree Cover
Loss



Household Infrastructure Vulnerability

0 1 **SCORE: 0.118** **RANK: 9/10 PARISHES ASSESSED**

9.5%
Housing Built
Prior to 2003

21.2%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

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

3.8%
Prevalence of
Disability (per
100 persons)

0.5%
Institutionalized
Population

9.7%
Population
Age 65 and
Over

22.1%
Population
Under Age 15



Population Pressures

0 1 **SCORE: 0.736** **RANK: 1/10 PARISHES ASSESSED**

2.3%
Average Annual
Population
Change

108.7
Population
Density
(persons per
sq km)

18.6%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.576

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



Environmental Capacity

0  1 **SCORE: 0.399** **RANK: 3/10 PARISHES ASSESSED**

0.04% Croplands	93.2 Net Carbon Flux	20.1% Protected Terrestrial Area	44.7% Protected Coastlines
---------------------------	--------------------------------	--	--------------------------------------



Emergency Service and Health Care Capacity

0  1 **SCORE: 0.651** **RANK: 4/10 PARISHES ASSESSED**

0.7 Average Distance to Shelter (km)	1.1 Average Distance to Hospital or Clinic (km)	2.5 Average Distance to Fire Station (km)	2.5 Average Distance to Police Station (km)	0.7 Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



LOGISTICS CAPACITY (LC)

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.659

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



Maritime Logistics

0  1 **SCORE: 0.746** **RANK: 2/10 PARISHES ASSESSED**

1.1 Average Distance to Seaport (km)	66.3 Distance to External Medium or Large Seaport (km)	2.9 Port Density (ports per 10 km of coastline)
--	--	--



Air Support

0  1 **SCORE: 0.951** **RANK: 1/10 PARISHES ASSESSED**

69.8 Distance to External C130 Airport (km)	2.7 Average Distance to Airport or Heliport (km)
---	---



Transportation Capacity

0  1 **SCORE: 0.450** **RANK: 5/10 PARISHES ASSESSED**

0.3 Gas Stations per 1,000 Persons	2.2 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.489** **RANK: 8/10 PARISHES ASSESSED**

2.8 Average Distance to Warehouse (km)	327.5 Distance to CDEMA Sub- Regional Focal Point (km)
---	---



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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.617



RESILIENCE (R)

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

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.621

KEY FACTORS INFLUENCING RESILIENCE

Saint John's score and ranking are due to Low Vulnerability combined with High 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.



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.



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.



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.



HAZARD-SPECIFIC RISK (HSR)



Coastal Flooding

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.499



Earthquake

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.502



Extreme Heat

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.397



Flash Flood

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.537



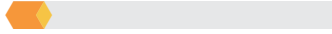
Hurricane Winds

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.502



Landslide

RANK: 10 / 10 PARISHES ASSESSED
SCORE: 0.089



Sea Level Rise

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.459



Tsunami

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.614



Volcano

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.505



Wildfire

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.164

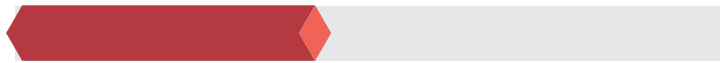




MULTI-HAZARD RISK (MHR)

8 / 10

RANK AMONG PARISHES
Score: 0.425



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

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

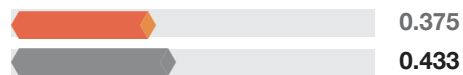
PARISH SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



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DOMINICA

SAINT JOSEPH

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT JOSEPH

Area: 118.4 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Low

Score: 0.428 • Rank: 7/10



RESILIENCE (R)

- Low

Score: 0.474 • Rank: 8/10



MULTI-HAZARD EXPOSURE (MHE)

- Low

Score: 0.231 • Rank: 8/10



VULNERABILITY (V)

- Moderate

Score: 0.412 • Rank: 6/10



COPING CAPACITY (CC)

- Low

Score: 0.359 • Rank: 8/10



Total Population (2011)

5,434



Coastal Population
Concentration

32.1%



Poverty Rate

47.2%



Households with
Reduced Water
Availability

50.7%



Coastline Exposure to
Local or Global Threats

21.6%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.231



MHE
0.231

Raw MHE
0.283

Relative MHE
0.179

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

3%

150

Buildings Exposed: **5%**

Critical Infrastructure Exposed: **17%**



Hurricane Winds

100%

5,430

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

5,430

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

21%

1,140

Buildings Exposed: **19%**

Critical Infrastructure Exposed: **43%**



Extreme Heat

11%

593

Buildings Exposed: **24%**

Critical Infrastructure Exposed: **12%**



Sea Level Rise

2%

133

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **17%**



Flash Flood

12%

650

Buildings Exposed: **18%**

Critical Infrastructure Exposed: **40%**



Tsunami

2%

108

Buildings Exposed: **6%**

Critical Infrastructure Exposed: **16%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.231

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

40%

2,160

Buildings Exposed: **45%**

Critical Infrastructure Exposed: **40%**



Wildfire

18%

1,000

Buildings Exposed: **18%**

Critical Infrastructure Exposed: **11%**



VULNERABILITY (V)

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.412

Vulnerability in Saint Joseph 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.



Economic Constraints

0  1 **SCORE: 0.636** **RANK: 4/10 PARISHES ASSESSED**

51.3
Economic
Dependency
Ratio

47.2%
Poverty Rate



Environmental Stress

0  1 **SCORE: 0.362** **RANK: 6/10 PARISHES ASSESSED**

32.1%
Coastal
Population
Concentration

21.6%
Coastline
Exposure
to Local or
Global Threats

41.0%
Tree Cover
Loss



Household Infrastructure Vulnerability

0  1 **SCORE: 0.393** **RANK: 6/10 PARISHES ASSESSED**

9.3%
Housing Built
Prior to 2003

50.7%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0  1 **SCORE: 0.467** **RANK: 5/10 PARISHES ASSESSED**

6.3%
Prevalence of
Disability (per
100 persons)

0.2%
Institutionalized
Population

13.6%
Population
Age 65 and
Over

20.4%
Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.201** **RANK: 9/10 PARISHES ASSESSED**

0.7%
Average Annual
Population
Change

45.9
Population
Density
(persons per
sq km)

16.0%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.430

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



Environmental Capacity

0  1 **SCORE: 0.191** **RANK: 8/10 PARISHES ASSESSED**

0.00% Croplands	109.0 Net Carbon Flux	25.7% Protected Terrestrial Area	0.0% Protected Coastlines
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Emergency Service and Health Care Capacity

0  1 **SCORE: 0.532** **RANK: 7/10 PARISHES ASSESSED**

1.4 Average Distance to Shelter (km)	1.4 Average Distance to Hospital or Clinic (km)	4.7 Average Distance to Fire Station (km)	3.1 Average Distance to Police Station (km)	1.3 Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



LOGISTICS CAPACITY (LC)

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.289

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



Maritime Logistics

0  1 **SCORE: 0.313** **RANK: 8/10 PARISHES ASSESSED**

4.3 Average Distance to Seaport (km)	82.2 Distance to External Medium or Large Seaport (km)	0.9 Port Density (ports per 10 km of coastline)
--	--	--



Air Support

0  1 **SCORE: 0.095** **RANK: 10/10 PARISHES ASSESSED**

85.7 Distance to External C130 Airport (km)	10.8 Average Distance to Airport or Heliport (km)
---	--



Transportation Capacity

0  1 **SCORE: 0.540** **RANK: 4/10 PARISHES ASSESSED**

0.6 Gas Stations per 1,000 Persons	1.6 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.207** **RANK: 10/10 PARISHES ASSESSED**

11.9 Average Distance to Warehouse (km)	314.3 Distance to CDEMA Sub- Regional Focal Point (km)
--	---



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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.359



RESILIENCE (R)

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

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.474

KEY FACTORS INFLUENCING RESILIENCE

Saint Joseph's score and ranking are due to Moderate 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, and populations living in institutional settings 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.



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.



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.



HAZARD-SPECIFIC RISK (HSR)



Coastal Flooding

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.388



Earthquake

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.589



Extreme Heat

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.299



Flash Flood

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.342



Hurricane Winds

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.589



Landslide

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.507



Sea Level Rise

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.408



Tsunami

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.309



Volcano

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.392



Wildfire

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.495





MULTI-HAZARD RISK (MHR)

7 / 10

RANK AMONG PARISHES
Score: 0.428



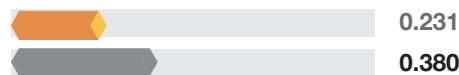
Saint Joseph's score and ranking are due to Low Multi-Hazard Exposure combined with Moderate Vulnerability and Low Coping Capacity scores.

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

  PARISH SCORE
 COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



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DOMINICA

SAINT LUKE

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT LUKE

Area: 10.8 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Very Low

Score: 0.356 • Rank: 9/10



RESILIENCE (R)

- Very High

Score: 0.632 • Rank: 2/10



MULTI-HAZARD EXPOSURE (MHE)

- Moderate

Score: 0.333 • Rank: 6/10



VULNERABILITY (V)

- Very Low

Score: 0.285 • Rank: 10/10



COPING CAPACITY (CC)

- Moderate

Score: 0.549 • Rank: 5/10



Total Population (2011)

1,565



Coastal Population
Concentration

1.0%



Poverty Rate

17.5%



Households with
Reduced Water
Availability

20.8%



Coastline Exposure to
Local or Global Threats

0.0%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.333



MHE
0.333

Raw MHE
0.024

Relative MHE
0.643

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

8%

👤 128

Buildings Exposed: **22%**

Critical Infrastructure Exposed: **30%**



Hurricane Winds

100%

👤 1,620

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 1,620

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

29%

👤 462

Buildings Exposed: **39%**

Critical Infrastructure Exposed: **40%**



Extreme Heat

3%

👤 52

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **3%**



Sea Level Rise

7%

👤 107

Buildings Exposed: **18%**

Critical Infrastructure Exposed: **30%**



Flash Flood

52%

👤 843

Buildings Exposed: **67%**

Critical Infrastructure Exposed: **63%**



Tsunami

3%

👤 47

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **3%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.333

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

100%

1,620

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



VULNERABILITY (V)

RANK: 10 / 10 PARISHES ASSESSED
SCORE: 0.285

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



Economic Constraints

0 1 **SCORE: 0.288** **RANK: 8/10 PARISHES ASSESSED**

53.1
Economic
Dependency
Ratio

17.5%
Poverty Rate



Environmental Stress

0 1 **SCORE: 0.333** **RANK: 7/10 PARISHES ASSESSED**

1.0%
Coastal
Population
Concentration

0.0%
Coastline
Exposure
to Local or
Global Threats

4.3%
Tree Cover
Loss



Household Infrastructure Vulnerability

0 1 **SCORE: 0.116** **RANK: 10/10 PARISHES ASSESSED**

9.5%
Housing Built
Prior to 2003

20.8%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0 1 **SCORE: 0.398** **RANK: 9/10 PARISHES ASSESSED**

5.2%
Prevalence of
Disability (per
100 persons)

0.2%
Institutionalized
Population

10.2%
Population
Age 65 and
Over

24.5%
Population
Under Age 15



Population Pressures

0 1 **SCORE: 0.289** **RANK: 6/10 PARISHES ASSESSED**

0.0%
Average Annual
Population
Change

144.9
Population
Density
(persons per
sq km)

16.9%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.543

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



Environmental Capacity

0  1 **SCORE: 0.168** **RANK: 10/10 PARISHES ASSESSED**

0.00% Croplands	-1.5 Net Carbon Flux	0.0% Protected Terrestrial Area	0.0% Protected Coastlines
---------------------------	--------------------------------	---	-------------------------------------



Emergency Service and Health Care Capacity

0  1 **SCORE: 0.704** **RANK: 3/10 PARISHES ASSESSED**

0.5 Average Distance to Shelter (km)	0.5 Average Distance to Hospital or Clinic (km)	5.0 Average Distance to Fire Station (km)	3.7 Average Distance to Police Station (km)	0.6 Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



LOGISTICS CAPACITY (LC)

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.555

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



Maritime Logistics

0  1 **SCORE: 0.529** **RANK: 5/10 PARISHES ASSESSED**

1.3 Average Distance to Seaport (km)	77.2 Distance to External Medium or Large Seaport (km)	1.9 Port Density (ports per 10 km of coastline)
--	--	--



Air Support

0  1 **SCORE: 0.636** **RANK: 6/10 PARISHES ASSESSED**

81.1 Distance to External C130 Airport (km)	3.2 Average Distance to Airport or Heliport (km)
---	---



Transportation Capacity

0  1 **SCORE: 0.281** **RANK: 6/10 PARISHES ASSESSED**

0.0 Gas Stations per 1,000 Persons	2.5 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.773** **RANK: 2/10 PARISHES ASSESSED**

5.2 Average Distance to Warehouse (km)	301.1 Distance to CDEMA Sub- Regional Focal Point (km)
---	---



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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.549



RESILIENCE (R)

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

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.632

KEY FACTORS INFLUENCING RESILIENCE

Saint Luke'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:



Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings 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.



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.



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.

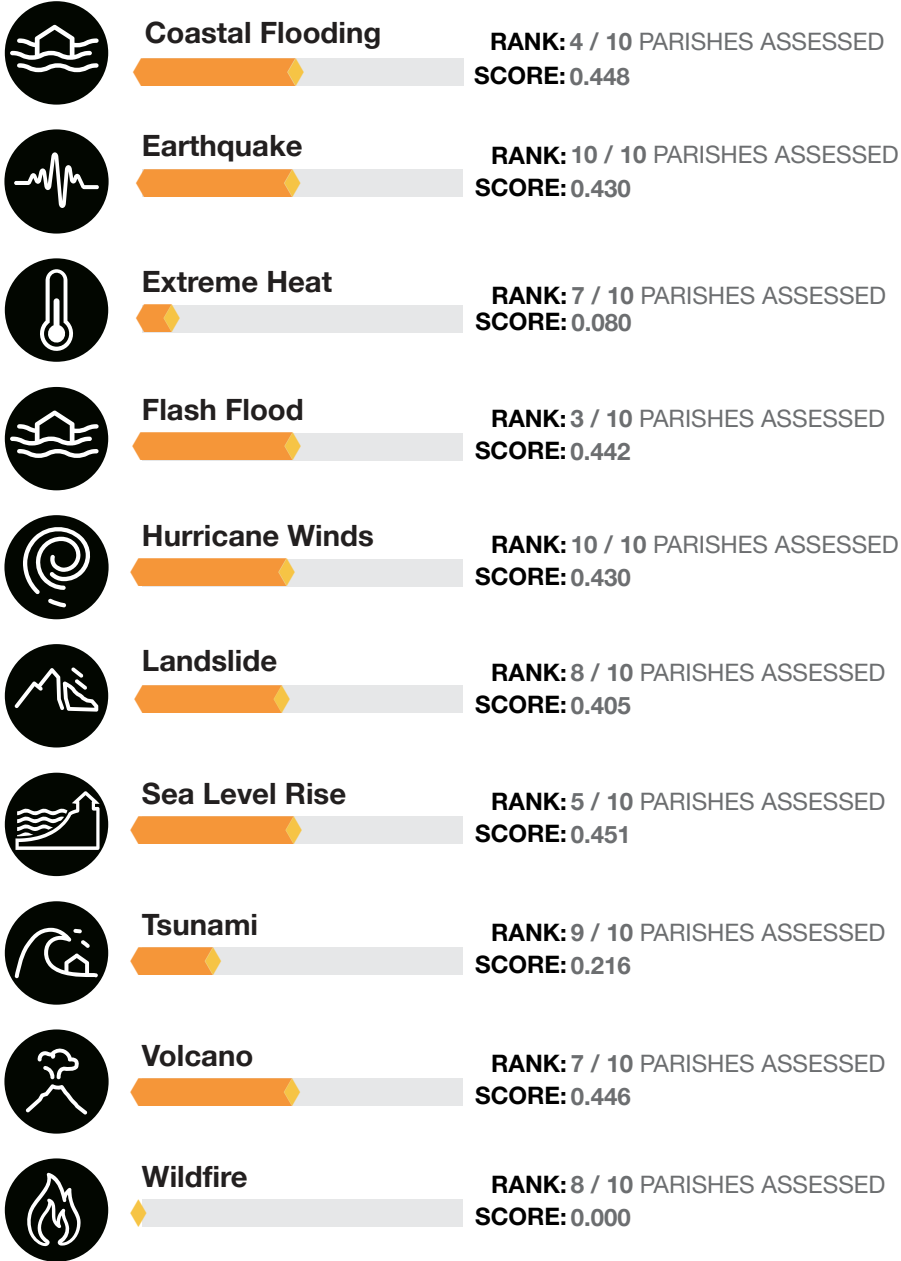


Maritime Logistics

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.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

9 / 10

RANK AMONG PARISHES
Score: 0.356



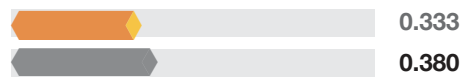
Saint Luke's score and ranking are due to Moderate Multi-Hazard Exposure combined with Very Low Vulnerability and Moderate Coping Capacity scores.

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

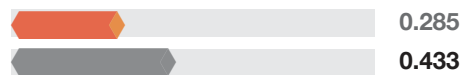
PARISH SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



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DOMINICA

SAINT MARK

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT MARK

Area: 13.5 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Moderate

Score: 0.435 • Rank: 6/10



RESILIENCE (R)

- High

Score: 0.613 • Rank: 4/10



MULTI-HAZARD EXPOSURE (MHE)

- Very High

Score: 0.532 • Rank: 2/10



VULNERABILITY (V)

- Moderate

Score: 0.424 • Rank: 5/10



COPING CAPACITY (CC)

- Very High

Score: 0.650 • Rank: 2/10



Total Population (2011)

1,767



Coastal Population
Concentration

92.2%



Poverty Rate

27.3%



Households with
Reduced Water
Availability

32.6%



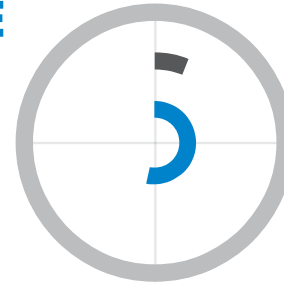
Coastline Exposure to
Local or Global Threats

57.1%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.532



MHE
0.532

Raw MHE
0.064

Relative MHE
1.000

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

9%

153

Buildings Exposed: **16%**

Critical Infrastructure Exposed: **28%**



Hurricane Winds

100%

1,700

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

1,700

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

35%

591

Buildings Exposed: **40%**

Critical Infrastructure Exposed: **39%**



Extreme Heat

100%

1,700

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Sea Level Rise

8%

137

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **28%**



Flash Flood

25%

426

Buildings Exposed: **30%**

Critical Infrastructure Exposed: **43%**



Tsunami

4%

74

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **22%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.532

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

100%

1,700

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



VULNERABILITY (V)

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.424

Vulnerability in Saint Mark is primarily driven by Environmental Stress and Household Infrastructure Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Economic Constraints

0  1 **SCORE: 0.392** **RANK: 5/10 PARISHES ASSESSED**

52.2
Economic
Dependency
Ratio

27.3%
Poverty Rate



Environmental Stress

0  1 **SCORE: 0.543** **RANK: 3/10 PARISHES ASSESSED**

92.2%
Coastal
Population
Concentration

57.1%
Coastline
Exposure
to Local or
Global Threats

8.6%
Tree Cover
Loss



Household Infrastructure Vulnerability

0  1 **SCORE: 0.532** **RANK: 3/10 PARISHES ASSESSED**

11.3%
Housing Built
Prior to 2003

32.6%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0  1 **SCORE: 0.411** **RANK: 8/10 PARISHES ASSESSED**

5.2%
Prevalence of
Disability (per
100 persons)

0.3%
Institutionalized
Population

14.3%
Population
Age 65 and
Over

20.0%
Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.240** **RANK: 8/10 PARISHES ASSESSED**

0.8%
Average Annual
Population
Change

130.9
Population
Density
(persons per
sq km)

15.2%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 1 / 10 PARISHES ASSESSED
SCORE: 0.661

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



Environmental Capacity

0  1 **SCORE: 0.425** **RANK: 2/10 PARISHES ASSESSED**

0.00% Croplands	-0.9 Net Carbon Flux	1.0% Protected Terrestrial Area	55.5% Protected Coastlines
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Emergency Service and Health Care Capacity

0  1 **SCORE: 0.763** **RANK: 1/10 PARISHES ASSESSED**

0.4 Average Distance to Shelter (km)	0.6 Average Distance to Hospital or Clinic (km)	9.1 Average Distance to Fire Station (km)	1.2 Average Distance to Police Station (km)	1.2 Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



LOGISTICS CAPACITY (LC)

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.638

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



Maritime Logistics

0  1 **SCORE: 0.567** **RANK: 3/10 PARISHES ASSESSED**

1.3 Average Distance to Seaport (km)	73.5 Distance to External Medium or Large Seaport (km)	1.0 Port Density (ports per 10 km of coastline)
--	--	--



Air Support

0  1 **SCORE: 0.639** **RANK: 5/10 PARISHES ASSESSED**

77.3 Distance to External C130 Airport (km)	4.9 Average Distance to Airport or Heliport (km)
---	---



Transportation Capacity

0  1 **SCORE: 0.733** **RANK: 2/10 PARISHES ASSESSED**

0.6 Gas Stations per 1,000 Persons	2.3 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.614** **RANK: 5/10 PARISHES ASSESSED**

9.3 Average Distance to Warehouse (km)	297.0 Distance to CDEMA Sub- Regional Focal Point (km)
---	---



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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 2 / 10 PARISHES ASSESSED
SCORE: 0.650



RESILIENCE (R)

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

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.613

KEY FACTORS INFLUENCING RESILIENCE

Saint Mark's score and ranking are due to Moderate Vulnerability combined with Very High 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.



Household Infrastructure 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, households experiencing access constraints to clean water and sanitation are challenged to maintain a standard of living that meets basic household needs, and face significant demands on daily routines that effectively limit their response and recovery capacity as well as the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.



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.

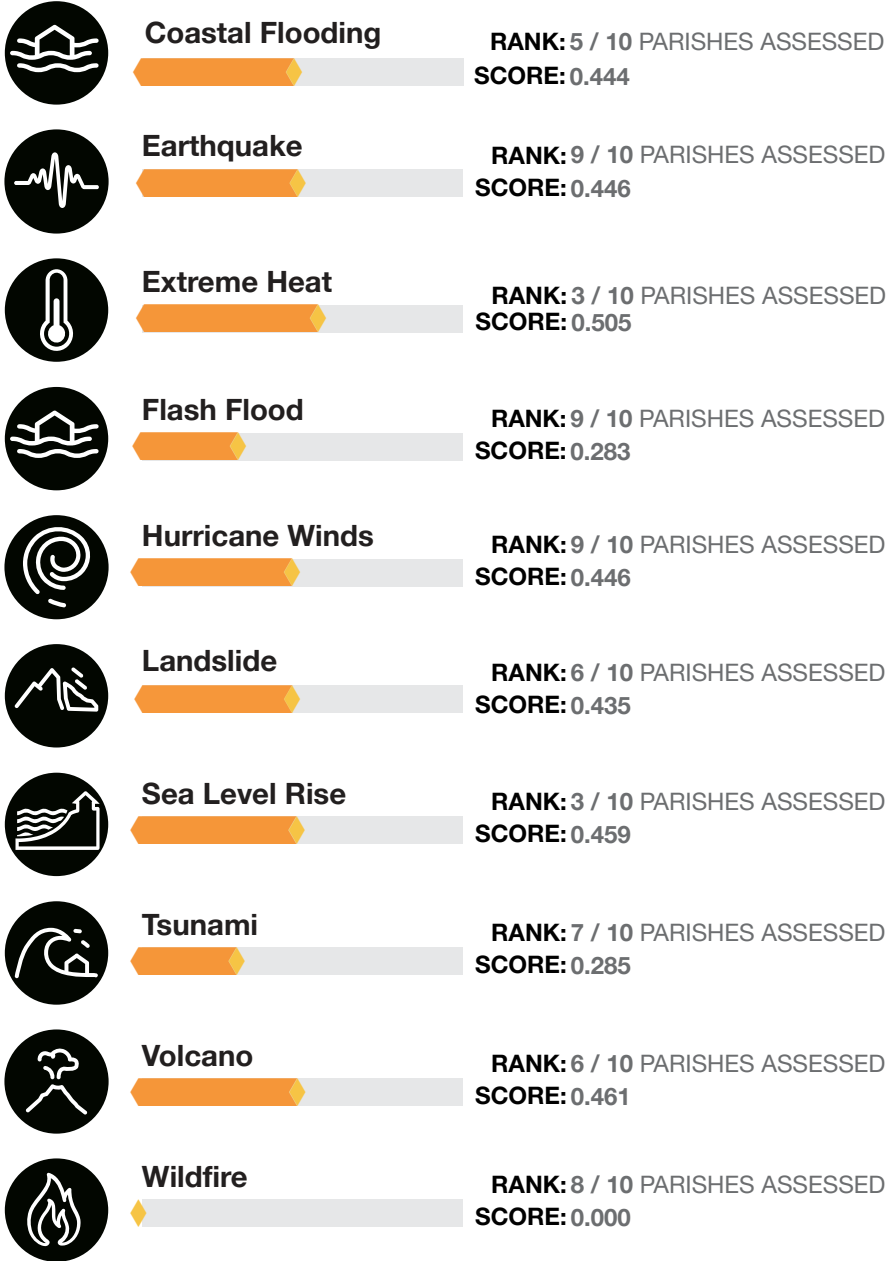


Warehouse Access

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.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

6 / 10

RANK AMONG PARISHES
Score: 0.435



Saint Mark's score and ranking are due to Very High Multi-Hazard Exposure combined with Moderate Vulnerability and Very 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



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DOMINICA

SAINT PATRICK

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT PATRICK

Area: 86.7 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Very High

Score: 0.499 • Rank: 2/10



RESILIENCE (R)

- Low

Score: 0.486 • Rank: 7/10



MULTI-HAZARD EXPOSURE (MHE)

- High

Score: 0.468 • Rank: 4/10



VULNERABILITY (V)

- High

Score: 0.481 • Rank: 3/10



COPING CAPACITY (CC)

- Low

Score: 0.453 • Rank: 7/10



Total Population (2011)

7,361



Coastal Population
Concentration

11.1%



Poverty Rate

42.7%



Households with
Reduced Water
Availability

30.0%



Coastline Exposure to
Local or Global Threats

40.5%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.468



MHE
0.468

Raw MHE
0.453

Relative MHE
0.483

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

<1%

👤 37

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **3%**



Hurricane Winds

100%

👤 7,000

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 7,000

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

21%

👤 1,470

Buildings Exposed: **20%**

Critical Infrastructure Exposed: **35%**



Extreme Heat

59%

👤 4,140

Buildings Exposed: **63%**

Critical Infrastructure Exposed: **69%**



Sea Level Rise

<1%

👤 27

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **2%**



Flash Flood

14%

👤 974

Buildings Exposed: **22%**

Critical Infrastructure Exposed: **21%**



Tsunami

<1%

👤 9

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.468

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

100%

7,000

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



VULNERABILITY (V)

RANK: 3 / 10 PARISHES ASSESSED
SCORE: 0.481

Vulnerability in Saint Patrick 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.



Economic Constraints

0  1 **SCORE: 0.802** **RANK: 3/10 PARISHES ASSESSED**

59.0
Economic
Dependency
Ratio

42.7%
Poverty Rate



Environmental Stress

0  1 **SCORE: 0.234** **RANK: 8/10 PARISHES ASSESSED**

11.1%
Coastal
Population
Concentration

40.5%
Coastline
Exposure
to Local or
Global Threats

19.0%
Tree Cover
Loss



Household Infrastructure Vulnerability

0  1 **SCORE: 0.420** **RANK: 4/10 PARISHES ASSESSED**

10.8%
Housing Built
Prior to 2003

30.0%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0  1 **SCORE: 0.519** **RANK: 3/10 PARISHES ASSESSED**

5.2%
Prevalence of
Disability (per
100 persons)

0.2%
Institutionalized
Population

13.8%
Population
Age 65 and
Over

23.3%
Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.430** **RANK: 4/10 PARISHES ASSESSED**

1.4%
Average Annual
Population
Change

84.9
Population
Density
(persons per
sq km)

16.8%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.463

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



Environmental Capacity

0  1 **SCORE: 0.393** **RANK: 4/10 PARISHES ASSESSED**

0.00% Croplands	15.9 Net Carbon Flux	34.2% Protected Terrestrial Area	0.0% Protected Coastlines
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Emergency Service and Health Care Capacity

0  1 **SCORE: 0.493** **RANK: 8/10 PARISHES ASSESSED**

0.6 Average Distance to Shelter (km)	0.7 Average Distance to Hospital or Clinic (km)	12.1 Average Distance to Fire Station (km)	9.0 Average Distance to Police Station (km)	1.3 Hospitals and Clinics per 1,000 Persons
--	---	--	---	---



LOGISTICS CAPACITY (LC)

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.442

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



Maritime Logistics

0  1 **SCORE: 0.281** **RANK: 9/10 PARISHES ASSESSED**

9.0 Average Distance to Seaport (km)	73.4 Distance to External Medium or Large Seaport (km)	0.0 Port Density (ports per 10 km of coastline)
--	--	--



Air Support

0  1 **SCORE: 0.813** **RANK: 3/10 PARISHES ASSESSED**

77.1 Distance to External C130 Airport (km)	1.8 Average Distance to Airport or Heliport (km)
---	---



Transportation Capacity

0  1 **SCORE: 0.158** **RANK: 7/10 PARISHES ASSESSED**

0.1 Gas Stations per 1,000 Persons	1.5 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.518** **RANK: 7/10 PARISHES ASSESSED**

11.5 Average Distance to Warehouse (km)	295.6 Distance to CDEMA Sub- Regional Focal Point (km)
--	---



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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.453



RESILIENCE (R)

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

RANK: 7 / 10 PARISHES ASSESSED
SCORE: 0.486

KEY FACTORS INFLUENCING RESILIENCE

Saint Patrick'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:



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, and populations living in institutional settings 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.



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.

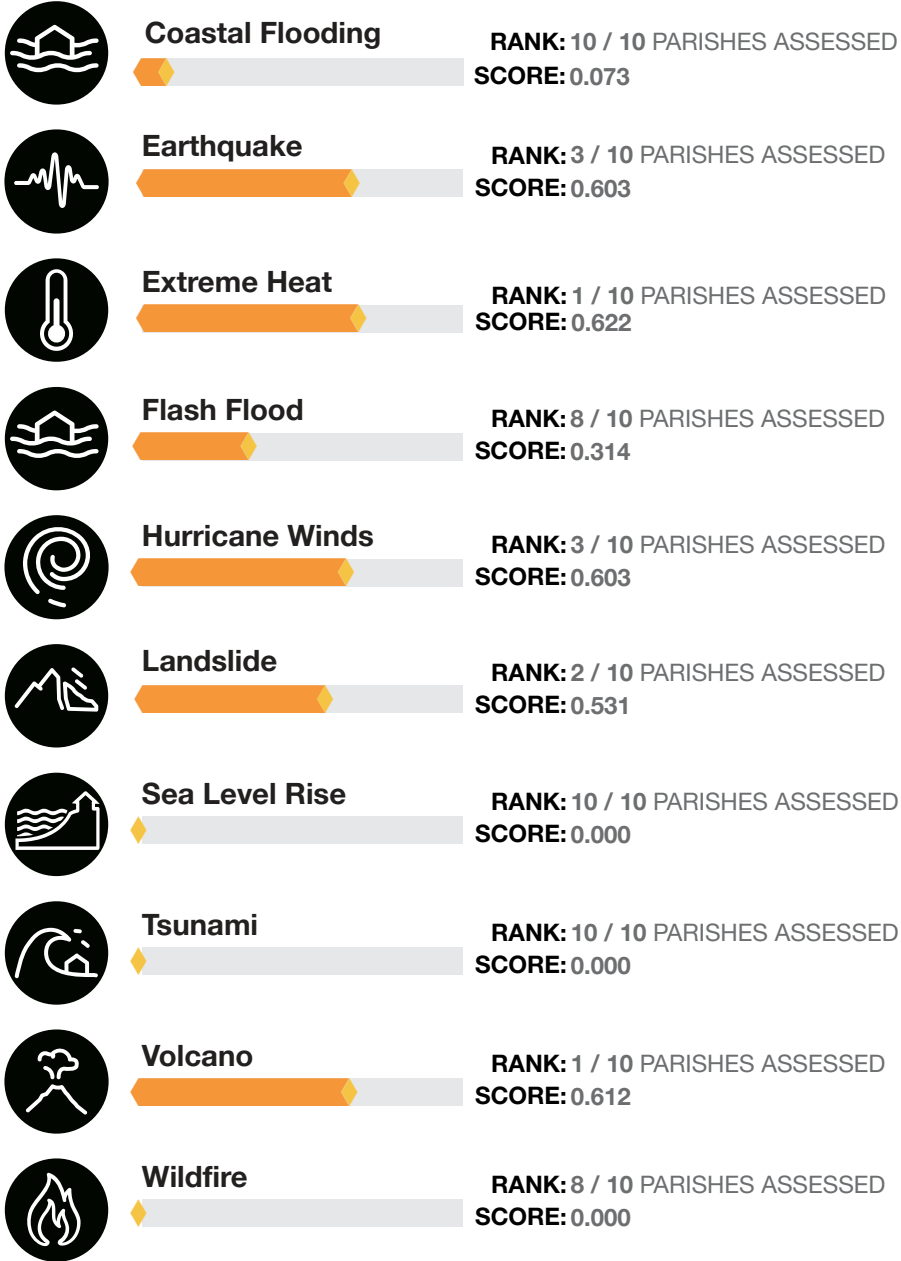


Maritime Logistics

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.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

2 / 10

RANK AMONG PARISHES
Score: 0.499



Saint Patrick's score and ranking are due to High 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



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DOMINICA

SAINT PAUL

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT PAUL

Area: 66.4 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- High

Score: 0.453 • Rank: 4/10



RESILIENCE (R)

- Moderate

Score: 0.531 • Rank: 5/10



MULTI-HAZARD EXPOSURE (MHE)

- Moderate

Score: 0.420 • Rank: 5/10



VULNERABILITY (V)

- High

Score: 0.436 • Rank: 4/10



COPING CAPACITY (CC)

- Moderate

Score: 0.497 • Rank: 6/10



Total Population (2011)

9,531



Coastal Population
Concentration

49.8%



Poverty Rate

32.6%



Households with
Reduced Water
Availability

26.5%



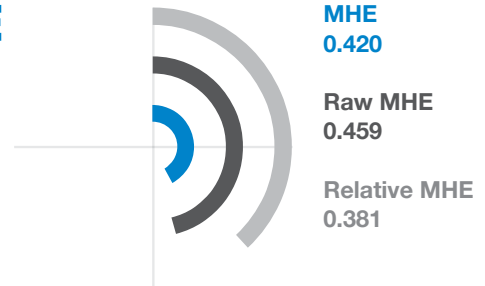
Coastline Exposure to
Local or Global Threats

46.4%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.420



ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

4%

405

Buildings Exposed: **5%**

Critical Infrastructure Exposed: **28%**



Hurricane Winds

100%

10,800

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

10,800

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

16%

1,700

Buildings Exposed: **17%**

Critical Infrastructure Exposed: **4%**



Extreme Heat

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Sea Level Rise

3%

350

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **28%**



Flash Flood

10%

1,130

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **21%**



Tsunami

4%

477

Buildings Exposed: **5%**

Critical Infrastructure Exposed: **14%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.420

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

100%

10,800

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

35%

3,740

Buildings Exposed: **30%**

Critical Infrastructure Exposed: **26%**



VULNERABILITY (V)

RANK: 4 / 10 PARISHES ASSESSED
SCORE: 0.436

Vulnerability in Saint Paul is primarily driven by Population Pressures and Environmental Stress. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Economic Constraints

0  1 **SCORE: 0.334** **RANK: 7/10 PARISHES ASSESSED**

47.8
Economic
Dependency
Ratio

32.6%
Poverty Rate



Environmental Stress

0  1 **SCORE: 0.473** **RANK: 5/10 PARISHES ASSESSED**

49.8%
Coastal
Population
Concentration

46.4%
Coastline
Exposure
to Local or
Global Threats

32.0%
Tree Cover
Loss



Household Infrastructure Vulnerability

0  1 **SCORE: 0.406** **RANK: 5/10 PARISHES ASSESSED**

10.9%
Housing Built
Prior to 2003

26.5%
Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0  1 **SCORE: 0.436** **RANK: 7/10 PARISHES ASSESSED**

4.8%
Prevalence of
Disability (per
100 persons)

1.3%
Institutionalized
Population

9.3%
Population
Age 65 and
Over

23.1%
Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.529** **RANK: 3/10 PARISHES ASSESSED**

1.4%
Average Annual
Population
Change

143.5
Population
Density
(persons per
sq km)

17.3%
Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.476

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



Environmental Capacity

0  1 **SCORE: 0.289** **RANK: 6/10 PARISHES ASSESSED**

0.13% Croplands	43.5 Net Carbon Flux	14.1% Protected Terrestrial Area	0.0% Protected Coastlines
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Emergency Service and Health Care Capacity

0  1 **SCORE: 0.556** **RANK: 6/10 PARISHES ASSESSED**

0.9 Average Distance to Shelter (km)	1.1 Average Distance to Hospital or Clinic (km)	2.7 Average Distance to Fire Station (km)	2.9 Average Distance to Police Station (km)	0.5 Hospitals and Clinics per 1,000 Persons
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LOGISTICS CAPACITY (LC)

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.519

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



Maritime Logistics

0  1 **SCORE: 0.378** **RANK: 7/10 PARISHES ASSESSED**

2.1 Average Distance to Seaport (km)	85.8 Distance to External Medium or Large Seaport (km)	2.8 Port Density (ports per 10 km of coastline)
--	--	--



Air Support

0  1 **SCORE: 0.432** **RANK: 7/10 PARISHES ASSESSED**

89.4 Distance to External C130 Airport (km)	3.0 Average Distance to Airport or Heliport (km)
---	---



Transportation Capacity

0  1 **SCORE: 0.614** **RANK: 3/10 PARISHES ASSESSED**

0.4 Gas Stations per 1,000 Persons	2.5 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.651** **RANK: 4/10 PARISHES ASSESSED**

5.4 Average Distance to Warehouse (km)	308.3 Distance to CDEMA Sub- Regional Focal Point (km)
---	---



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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.497



RESILIENCE (R)

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

RANK: 5 / 10 PARISHES ASSESSED
SCORE: 0.531

KEY FACTORS INFLUENCING RESILIENCE

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

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



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.



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.



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.



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: 2 / 10 PARISHES ASSESSED

SCORE: 0.476



Earthquake

RANK: 5 / 10 PARISHES ASSESSED

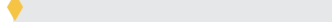
SCORE: 0.584



Extreme Heat

RANK: 8 / 10 PARISHES ASSESSED

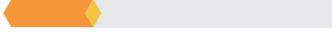
SCORE: 0.000



Flash Flood

RANK: 10 / 10 PARISHES ASSESSED

SCORE: 0.238



Hurricane Winds

RANK: 5 / 10 PARISHES ASSESSED

SCORE: 0.584



Landslide

RANK: 9 / 10 PARISHES ASSESSED

SCORE: 0.372



Sea Level Rise

RANK: 1 / 10 PARISHES ASSESSED

SCORE: 0.492



Tsunami

RANK: 4 / 10 PARISHES ASSESSED

SCORE: 0.342



Volcano

RANK: 2 / 10 PARISHES ASSESSED

SCORE: 0.593



Wildfire

RANK: 1 / 10 PARISHES ASSESSED

SCORE: 0.683





MULTI-HAZARD RISK (MHR)

4 / 10

RANK AMONG PARISHES
Score: 0.453



Saint Paul's score and ranking are due to Moderate Multi-Hazard Exposure combined with High 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



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DOMINICA

SAINT PETER

NDPBA SUBNATIONAL PROFILE

DOMINICA SAINT PETER

Area: 34.2 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Very Low
Score: 0.349 • Rank: 10/10



RESILIENCE (R)

- Moderate
Score: 0.510 • Rank: 6/10



MULTI-HAZARD EXPOSURE (MHE)

- Very Low
Score: 0.067 • Rank: 10/10



VULNERABILITY (V)

- Low
Score: 0.334 • Rank: 8/10



COPING CAPACITY (CC)

- Very Low
Score: 0.353 • Rank: 9/10



Total Population (2011)
1,371



Coastal Population
Concentration
1.0%



Poverty Rate
23.7%



Households with
Reduced Water
Availability
35.9%

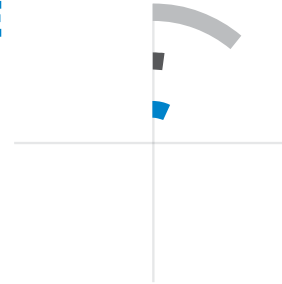


Coastline Exposure to
Local or Global Threats
0.0%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 10 PARISHES ASSESSED
SCORE: 0.067



MHE
0.067

Raw MHE
0.023

Relative MHE
0.111

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

6%

71

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **41%**



Hurricane Winds

100%

1,290

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

1,290

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

34%

443

Buildings Exposed: **33%**

Critical Infrastructure Exposed: **58%**



Extreme Heat

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Sea Level Rise

4%

57

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **41%**



Flash Flood

22%

287

Buildings Exposed: **33%**

Critical Infrastructure Exposed: **46%**



Tsunami

2%

30

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **31%**

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 10 PARISHES ASSESSED
SCORE: 0.067

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Wildfire

11%

148

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **5%**



VULNERABILITY (V)

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.334

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



Economic Constraints

0  1 **SCORE: 0.348** **RANK: 6/10 PARISHES ASSESSED**

52.3

Economic
Dependency
Ratio

23.7%

Poverty Rate



Environmental Stress

0  1 **SCORE: 0.474** **RANK: 4/10 PARISHES ASSESSED**

1.0%

Coastal
Population
Concentration

0.0%

Coastline
Exposure
to Local or
Global Threats

30.0%

Tree Cover
Loss



Household Infrastructure Vulnerability

0  1 **SCORE: 0.278** **RANK: 8/10 PARISHES ASSESSED**

9.5%

Housing Built
Prior to 2003

35.9%

Households
with Reduced
Water
Availability



Household Composition and Vulnerable Health

0  1 **SCORE: 0.488** **RANK: 4/10 PARISHES ASSESSED**

6.2%

Prevalence of
Disability (per
100 persons)

0.2%

Institutionalized
Population

14.3%

Population
Age 65 and
Over

20.1%

Population
Under Age 15



Population Pressures

0  1 **SCORE: 0.083** **RANK: 10/10 PARISHES ASSESSED**

0.6%

Average Annual
Population
Change

40.1

Population
Density
(persons per
sq km)

14.8%

Youth Bulge
(population
ages 15-24)



ISLAND CAPACITY (IC)

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.396

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



Environmental Capacity

0  1 **SCORE: 0.229** **RANK: 7/10 PARISHES ASSESSED**

0.00% Croplands	18.1 Net Carbon Flux	12.1% Protected Terrestrial Area	0.0% Protected Coastlines
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Emergency Service and Health Care Capacity

0  1 **SCORE: 0.467** **RANK: 9/10 PARISHES ASSESSED**

2.0 Average Distance to Shelter (km)	1.3 Average Distance to Hospital or Clinic (km)	8.4 Average Distance to Fire Station (km)	2.4 Average Distance to Police Station (km)	1.6 Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



LOGISTICS CAPACITY (LC)

RANK: 8 / 10 PARISHES ASSESSED
SCORE: 0.311

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



Maritime Logistics

0  1 **SCORE: 0.466** **RANK: 6/10 PARISHES ASSESSED**

2.3 Average Distance to Seaport (km)	77.3 Distance to External Medium or Large Seaport (km)	1.0 Port Density (ports per 10 km of coastline)
--	--	--



Air Support

0  1 **SCORE: 0.395** **RANK: 8/10 PARISHES ASSESSED**

80.8 Distance to External C130 Airport (km)	7.6 Average Distance to Airport or Heliport (km)
---	---



Transportation Capacity

0  1 **SCORE: 0.084** **RANK: 9/10 PARISHES ASSESSED**

0.0 Gas Stations per 1,000 Persons	1.7 Road Density (km of roads per sq km)
--	--



Warehouse Access

0  1 **SCORE: 0.300** **RANK: 9/10 PARISHES ASSESSED**

6.6 Average Distance to Warehouse (km)	326.6 Distance to CDEMA Sub- Regional Focal Point (km)
---	---



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 Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 9 / 10 PARISHES ASSESSED
SCORE: 0.353



RESILIENCE (R)

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

RANK: 6 / 10 PARISHES ASSESSED
SCORE: 0.510

KEY FACTORS INFLUENCING RESILIENCE

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

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



Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings 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.



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.



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.

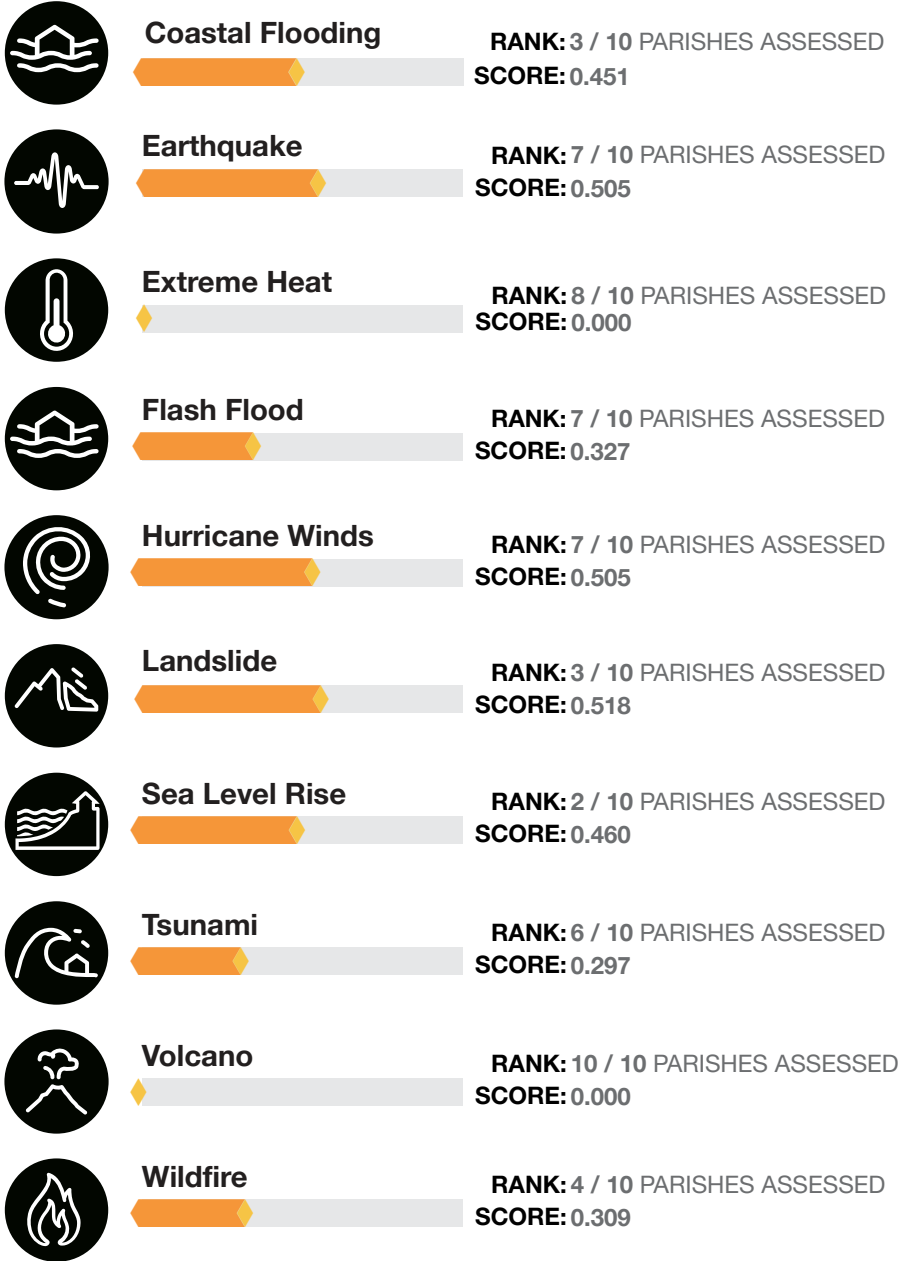


Warehouse Access

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.



HAZARD-SPECIFIC RISK (HSR)

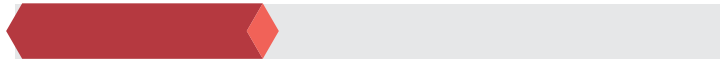




MULTI-HAZARD RISK (MHR)

10 / 10

RANK AMONG PARISHES
Score: 0.349



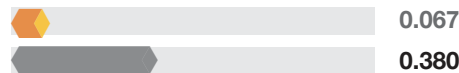
Saint Peter's score and ranking are due to Very Low Multi-Hazard Exposure combined with Low Vulnerability and Very Low Coping Capacity scores.

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

PARISH SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



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