



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)



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)



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)



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.



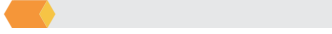
HAZARD-SPECIFIC RISK (HSR)



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

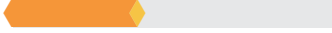
SCORE: 0.487



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

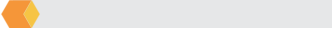
SCORE: 0.587



Sea Level Rise

RANK: 9 / 10 PARISHES ASSESSED

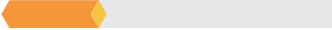
SCORE: 0.064



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



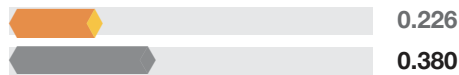
Saint David's score and ranking are due to Very Low Multi-Hazard Exposure combined with Very High Vulnerability and Very Low Coping Capacity scores.

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

PARISH SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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