



ST. LUCIA

# CASTRIES

NDPBA SUBNATIONAL PROFILE

# ST. LUCIA CASTRIES

Area: 79.51 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- High  
Score: 0.457 • Rank: 3/10



### RESILIENCE (R)

- Very High  
Score: 0.681 • Rank: 2/10



### MULTI-HAZARD EXPOSURE (MHE)

- Very High  
Score: 0.735 • Rank: 1/10



### VULNERABILITY (V)

- Very Low  
Score: 0.325 • Rank: 9/10



### COPING CAPACITY (CC)

- Very High  
Score: 0.687 • Rank: 2/10



Population (2010 Census)

**67,478**



Net Primary Enrollment

**62.0%**



Prevalence of Chronic Illness (per 100 persons)

**23.8**



Poverty Rate

**19.2%**



Population with No Internet Access

**52.7%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 10 DISTRICTS ASSESSED  
SCORE: 0.735



MHE  
0.735

Raw MHE  
0.935

Relative MHE  
0.534

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**1%**

868

Buildings Exposed: **1%**  
Critical Infrastructure Exposed: **21%**



Hurricane Winds

**100%**

93,400

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



Earthquake

**100%**

93,400

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



Landslide

**25%**

23,400

Buildings Exposed: **32%**  
Critical Infrastructure Exposed: **28%**



Extreme Heat

**64%**

59,700

Buildings Exposed: **70%**  
Critical Infrastructure Exposed: **85%**



Sea Level Rise

**1%**

740

Buildings Exposed: **1%**  
Critical Infrastructure Exposed: **21%**



Flash Flood

**86%**

79,900

Buildings Exposed: **86%**  
Critical Infrastructure Exposed: **88%**



Tsunami

**7%**

6,290

Buildings Exposed: **12%**  
Critical Infrastructure Exposed: **44%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 10 DISTRICTS ASSESSED  
SCORE: 0.735

### ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcanic Ashfall

**100%**

**93,400**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Volcano

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Wildfire

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**





## VULNERABILITY (V)

**RANK: 9 / 10 DISTRICTS ASSESSED**  
**SCORE: 0.325**

Vulnerability in Castries is primarily driven by Gender Inequality and Household Composition and Vulnerable Health. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Information Access Vulnerability

0  1 **SCORE: 0.317** **RANK: 9/10 DISTRICTS ASSESSED**

**62.0%**  
Net Primary  
Enrollment

**39.5%**  
Highest  
Education  
Level Primary  
School

**27.4%**  
Households  
with Desktop  
Computer

**86.1%**  
Households  
with TV

**52.7%**  
Population  
with No  
Internet  
Access



### Economic Constraints

0  1 **SCORE: 0.172** **RANK: 9/10 DISTRICTS ASSESSED**

**48.4**  
Economic  
Dependency  
Ratio

**18.1%**  
Unemployment  
Rate

**19.2%**  
Poverty Rate



### Gender Inequality

0  1 **SCORE: 0.658** **RANK: 1/10 DISTRICTS ASSESSED**

**44.06**  
Adolescent  
Birth Rate

**0.05**  
Female to  
Male Literacy

**0.36**  
Female  
to Male  
Secondary  
Enrollment

**0.11**  
Female to  
Male Labor  
Ratio



### Housing and Transportation Vulnerability

0  1 **SCORE: 0.339** **RANK: 9/10 DISTRICTS ASSESSED**

**54.4%**  
Housing Built  
Prior to 2000

**70.3%**  
Households  
without a  
Private Vehicle

**4.8%**  
Household  
Occupancy  
Squatting



## VULNERABILITY (V)

RANK: 9 / 10 DISTRICTS ASSESSED  
SCORE: 0.325



### Household Composition and Vulnerable Health

0  1 SCORE: 0.359 RANK: 7/10 DISTRICTS ASSESSED

**25.1**

Infant Mortality Rate (per 1,000 live births)

**23.8**

Prevalence of Chronic Illness (per 100 persons)

**15.4**

Prevalence of Disability (per 100 persons)

**8.1%**

Population Age 65 and Over

**23.6%**

Population Under Age 15



### Clean Water Access Vulnerability

0  1 SCORE: 0.104 RANK: 10/10 DISTRICTS ASSESSED

**77%**

Households with Piped Drinking Water

**73%**

Households with Flush Toilet



## ISLAND CAPACITY (IC)

**RANK: 2 / 10 DISTRICTS ASSESSED**  
**SCORE: 0.687**

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



### Economic Capacity

0  1 **SCORE: 0.795** **RANK: 2/10 DISTRICTS ASSESSED**

<b>5.0%</b> Persons Receiving Remittances	<b>21.0%</b> Households with Home Insurance	<b>77.4%</b> Labor Force Participation Rate
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### Environmental Capacity

0  1 **SCORE: 0.412** **RANK: 6/10 DISTRICTS ASSESSED**

<b>1.3%</b> Croplands	<b>-27.7</b> Net Carbon Flux	<b>17.6%</b> Protected Terrestrial Area	<b>36.2%</b> Protected Coastlines
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### Infrastructure Capacity

0  1 **SCORE: 0.730** **RANK: 2/10 DISTRICTS ASSESSED**



### Communications Capacity

0  1 **SCORE: 0.649** **RANK: 3/10 DISTRICTS ASSESSED**

<b>39.6%</b> Households with Fixed Phone Access	<b>84.0%</b> Households with Mobile Phone Access
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### Emergency Services Capacity

0  1 **SCORE: 0.860** **RANK: 2/10 DISTRICTS ASSESSED**

<b>0.5</b> Average Distance to Shelter (km)	<b>0.9</b> Average Distance to Hospital or Clinic (km)	<b>2.8</b> Average Distance to Fire Station (km)	<b>1.9</b> Average Distance to Police Station (km)
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### Energy Capacity

0  1 **SCORE: 0.918** **RANK: 2/10 DISTRICTS ASSESSED**

<b>94.0%</b> Households with Electricity	<b>92.3%</b> Households Using Gas for Cooking
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### Health Care Capacity

0  1 **SCORE: 0.493** **RANK: 4/10 DISTRICTS ASSESSED**

<b>64.4%</b> Persons with Health Insurance Coverage	<b>0.3</b> Hospitals and Clinics per 1,000 Persons
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## LOGISTICS CAPACITY (LC)

**RANK: 10 / 10 DISTRICTS ASSESSED**  
**SCORE: 0.319**

Castries 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: 0.743** **RANK: 1/10 DISTRICTS ASSESSED**

<b>2.5</b> Average Distance to Seaport (km)	<b>63.0</b> Distance to External Medium or Large Seaport (km)	<b>0.39</b> Port Density (ports per km of coastline)
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### Air Support

0  1 **SCORE: 0.762** **RANK: 2/10 DISTRICTS ASSESSED**

<b>61.2</b> Distance to External C130 Airport (km)	<b>4.0</b> Average Distance to Airport or Heliport (km)
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### Transportation Capacity

0  1 **SCORE: 0.576** **RANK: 4/10 DISTRICTS ASSESSED**

<b>0.1</b> Gas Stations per 1,000 Persons	<b>3.6</b> Road Density (km of roads per sq km)
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### Warehouse Access

0  1 **SCORE: 0.580** **RANK: 4/10 DISTRICTS ASSESSED**

<b>3.5</b> Average Distance to Warehouse (km)	<b>168.5</b> 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 St. Lucia was calculated by using a combination of Island Capacity and Logistics Capacity.

**RANK: 2 / 10** DISTRICTS ASSESSED  
**SCORE: 0.687**



## RESILIENCE (R)

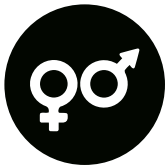
Resilience in St. Lucia was calculated by using a combination of Vulnerability and Coping Capacity (including both Island Capacity and Logistics Capacity).

**RANK: 2 / 10** DISTRICTS ASSESSED  
**SCORE: 0.681**

## KEY FACTORS INFLUENCING RESILIENCE

Castries'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:



### Gender Inequality

Marginalized populations are less likely to have their needs met under pre-disaster conditions, and therefore become even more susceptible to harm during times of disaster. Increase gender-based inclusion in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.



### Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly, or the disabled 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, those with a compromised health status such as chronic illness will have a greatly reduced ability to manage short- and long-term disaster outcomes. 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)

	<b>Coastal Flooding</b>	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.391
	<b>Earthquake</b>	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.557
	<b>Extreme Heat</b>	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.507
	<b>Flash Flood</b>	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.539
	<b>Hurricane Winds</b>	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.557
	<b>Landslide</b>	RANK: 2 / 10 DISTRICTS ASSESSED SCORE: 0.506
	<b>Sea Level Rise</b>	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.391
	<b>Tsunami</b>	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.424
	<b>Volcanic Ashfall</b>	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.557
	<b>Volcano</b>	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.000
	<b>Wildfire</b>	RANK: 6 / 10 DISTRICTS ASSESSED SCORE: 0.000



## MULTI-HAZARD RISK (MHR)

**3 / 10**

RANK AMONG DISTRICTS  
Score: 0.457



Castries'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:

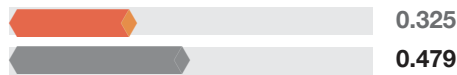
**DISTRICT SCORE**  
**COUNTRY SCORE**



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

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