



ST. LUCIA

SOUFRIÈRE

NDPBA SUBNATIONAL PROFILE

ST. LUCIA SOUFRIÈRE

Area: 50.51 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

- Moderate

Score: 0.410 • Rank: 6/10



RESILIENCE (R)

- Moderate

Score: 0.518 • Rank: 5/10



MULTI-HAZARD EXPOSURE (MHE)

- Moderate

Score: 0.265 • Rank: 6/10



VULNERABILITY (V)

- Low

Score: 0.441 • Rank: 8/10



COPING CAPACITY (CC)

- Moderate

Score: 0.477 • Rank: 5/10



Population (2010 Census)

8,791



Net Primary Enrollment

47.8%



Prevalence of Chronic
Illness (per 100 persons)

22.2



Poverty Rate

25.5%



Population with No

Internet Access

67.3%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 10 DISTRICTS ASSESSED
SCORE: 0.265



MHE
0.265

Raw MHE
0.121

Relative MHE
0.409

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

2%

👤 164

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **8%**



Hurricane Winds

100%

👤 7,460

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

100%

👤 7,460

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

27%

👤 1,990

Buildings Exposed: **22%**

Critical Infrastructure Exposed: **21%**



Extreme Heat

0%

👤 0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Sea Level Rise

2%

👤 121

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **8%**



Flash Flood

52%

👤 3,910

Buildings Exposed: **49%**

Critical Infrastructure Exposed: **17%**



Tsunami

12%

👤 904

Buildings Exposed: **30%**

Critical Infrastructure Exposed: **58%**

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: 6 / 10 DISTRICTS ASSESSED
SCORE: 0.265

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcanic Ashfall

100%

7,460

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Volcano

92%

6,870

Buildings Exposed: **94%**

Critical Infrastructure Exposed: **89%**



Wildfire

<1%

1

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **0%**



VULNERABILITY (V)

RANK: 8 / 10 DISTRICTS ASSESSED
SCORE: 0.441

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



Information Access Vulnerability

0  1 **SCORE: 0.723** **RANK: 4/10 DISTRICTS ASSESSED**

47.8%
Net Primary Enrollment

47.6%
Highest Education Level Primary School

17.7%
Households with Desktop Computer

82.9%
Households with TV

67.3%
Population with No Internet Access



Economic Constraints

0  1 **SCORE: 0.426** **RANK: 8/10 DISTRICTS ASSESSED**

54.4
Economic Dependency Ratio

22.0%
Unemployment Rate

25.5%
Poverty Rate



Gender Inequality

0  1 **SCORE: 0.485** **RANK: 6/10 DISTRICTS ASSESSED**

55.00
Adolescent Birth Rate

0.03
Female to Male Literacy

0.18
Female to Male Secondary Enrollment

0.14
Female to Male Labor Ratio



Housing and Transportation Vulnerability

0  1 **SCORE: 0.384** **RANK: 7/10 DISTRICTS ASSESSED**

54.1%
Housing Built Prior to 2000

76.1%
Households without a Private Vehicle

4.2%
Household Occupancy Squatting



VULNERABILITY (V)

RANK: 8 / 10 DISTRICTS ASSESSED
SCORE: 0.441



Household Composition and Vulnerable Health

0  1 SCORE: 0.308 RANK: 9/10 DISTRICTS ASSESSED

0.0

Infant Mortality Rate (per 1,000 live births)

22.2

Prevalence of Chronic Illness (per 100 persons)

14.6

Prevalence of Disability (per 100 persons)

9.2%

Population Age 65 and Over

25.1%

Population Under Age 15



Clean Water Access Vulnerability

0  1 SCORE: 0.321 RANK: 7/10 DISTRICTS ASSESSED

67%

Households with Piped Drinking Water

70%

Households with Flush Toilet



ISLAND CAPACITY (IC)

RANK: 5 / 10 DISTRICTS ASSESSED
SCORE: 0.477

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



Economic Capacity

0  1 **SCORE: 0.354** **RANK: 9/10 DISTRICTS ASSESSED**

5.9% Persons Receiving Remittances	14.0% Households with Home Insurance	68.1% Labor Force Participation Rate
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Environmental Capacity

0  1 **SCORE: 0.548** **RANK: 2/10 DISTRICTS ASSESSED**

0.0% Croplands	-12.8 Net Carbon Flux	98.9% Protected Terrestrial Area	100.0% Protected Coastlines
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Infrastructure Capacity

0  1 **SCORE: 0.520** **RANK: 7/10 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.313** **RANK: 7/10 DISTRICTS ASSESSED**

29.5% Households with Fixed Phone Access	78.0% Households with Mobile Phone Access
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Emergency Services Capacity

0  1 **SCORE: 0.621** **RANK: 5/10 DISTRICTS ASSESSED**

0.9 Average Distance to Shelter (km)	1.3 Average Distance to Hospital or Clinic (km)	2.6 Average Distance to Fire Station (km)	2.3 Average Distance to Police Station (km)
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Energy Capacity

0  1 **SCORE: 0.656** **RANK: 8/10 DISTRICTS ASSESSED**

91.6% Households with Electricity	84.0% Households Using Gas for Cooking
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Health Care Capacity

0  1 **SCORE: 0.489** **RANK: 5/10 DISTRICTS ASSESSED**

49.0% Persons with Health Insurance Coverage	0.7 Hospitals and Clinics per 1,000 Persons
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LOGISTICS CAPACITY (LC)

RANK: 8 / 10 DISTRICTS ASSESSED
SCORE: 0.328

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



Maritime Logistics

0  1 **SCORE: 0.668** **RANK: 2/10 DISTRICTS ASSESSED**

1.8

Average Distance to Seaport (km)

76.8

Distance to External Medium or Large Seaport (km)

0.40

Port Density (ports per km of coastline)



Air Support

0  1 **SCORE: 0.483** **RANK: 4/10 DISTRICTS ASSESSED**

71.6

Distance to External C130 Airport (km)

4.2

Average Distance to Airport or Heliport (km)



Transportation Capacity

0  1 **SCORE: 0.533** **RANK: 5/10 DISTRICTS ASSESSED**

0.4

Gas Stations per 1,000 Persons

2.2

Road Density (km of roads per sq km)



Warehouse Access

0  1 **SCORE: 0.258** **RANK: 9/10 DISTRICTS ASSESSED**

20.5

Average Distance to Warehouse (km)

168.7

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

RANK: 5 / 10 DISTRICTS ASSESSED
SCORE: 0.477



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: 5 / 10 DISTRICTS ASSESSED
SCORE: 0.518

KEY FACTORS INFLUENCING RESILIENCE

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

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



Information Access Vulnerability

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



Gender Inequality

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



Warehouse Access

Efficient storage, movement and delivery of resources are key to effective humanitarian assistance and disaster relief operations. Access to both local and regional supply chains can significantly improve the speed and quality of response operations, reducing the negative social and economic impacts of an emergency.



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)

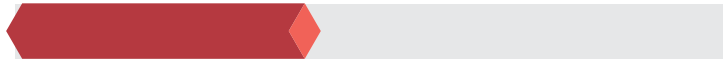
	Coastal Flooding	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.261
	Earthquake	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.522
	Extreme Heat	RANK: 9 / 10 DISTRICTS ASSESSED SCORE: 0.000
	Flash Flood	RANK: 4 / 10 DISTRICTS ASSESSED SCORE: 0.333
	Hurricane Winds	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.522
	Landslide	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.389
	Sea Level Rise	RANK: 7 / 10 DISTRICTS ASSESSED SCORE: 0.235
	Tsunami	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.438
	Volcanic Ashfall	RANK: 8 / 10 DISTRICTS ASSESSED SCORE: 0.522
	Volcano	RANK: 3 / 10 DISTRICTS ASSESSED SCORE: 0.599
	Wildfire	RANK: 5 / 10 DISTRICTS ASSESSED SCORE: 0.024



MULTI-HAZARD RISK (MHR)

6 / 10

RANK AMONG DISTRICTS
Score: 0.410



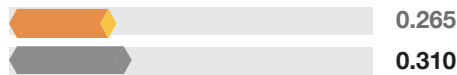
Soufrière's score and ranking are due to Moderate Multi-Hazard Exposure combined with Low Vulnerability and Moderate Coping Capacity scores.

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

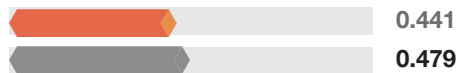
DISTRICT SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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