



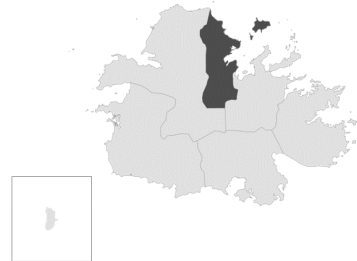
**ANTIGUA & BARBUDA**

# **SAINT GEORGE**

**NDPBA SUBNATIONAL PROFILE**

# ANTIGUA & BARBUDA SAINT GEORGE

Area: 23.96 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Very Low  
Score: 0.274 • Rank: 7/8



### RESILIENCE (R)

- Very High  
Score: 0.654 • Rank: 1/8



### MULTI-HAZARD EXPOSURE (MHE)

- Very Low  
Score: 0.130 • Rank: 6/8



### VULNERABILITY (V)

- Very Low  
Score: 0.330 • Rank: 7/8



### COPING CAPACITY (CC)

- Very High  
Score: 0.638 • Rank: 1/8



Population (2011 Census)  
**7,976**



Prevalence of Chronic  
Illness  
**32.2%**



Unemployment Rate  
**18.1%**



Population with Unmet  
Housing Need  
**6.8%**



Households with Internet  
Access  
**48.9%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 8 ASSESSED  
SCORE: 0.130



MHE  
0.130

Raw MHE  
0.078

Relative MHE  
0.182

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**2%**

👤 149

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **14%**



Hurricane Winds

**100%**

👤 7,320

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

👤 7,320

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

**5%**

👤 375

Buildings Exposed: **7%**

Critical Infrastructure Exposed: **8%**



Extreme Heat

**100%**

👤 7,320

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Sea Level Rise

**14%**

👤 1,030

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **13%**



Flood

**27%**

👤 1,980

Buildings Exposed: **33%**

Critical Infrastructure Exposed: **15%**



Tsunami

**14%**

👤 1,030

Buildings Exposed: **13%**

Critical Infrastructure Exposed: **40%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 8 ASSESSED  
SCORE: 0.130

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



Wildfire

**<1%**

**17**

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **0%**



## VULNERABILITY (V)

**RANK: 7 / 8 ASSESSED**  
**SCORE: 0.330**

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



### Information Access Vulnerability

0 1 **SCORE: 0.119** **RANK: 7/8 ASSESSED**

<b>13.3%</b> Highest Education Primary School	<b>62.0%</b> Households without Desktop Computer Access	<b>48.9%</b> Households with Internet Access	<b>76.4%</b> Households with Television Access	<b>71.5%</b> Households with Radio Access
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### Economic Constraints

0 1 **SCORE: 0.445** **RANK: 3/8 ASSESSED**

<b>0.45</b> Economic Dependency Ratio	<b>66.0%</b> Labor Force Participation Rate	<b>3.8%</b> Population Receiving Remittances	<b>18.1%</b> Unemployment Rate
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### Environmental Stress

0 1 **SCORE: 0.804** **RANK: 2/8 ASSESSED**

<b>83.9%</b> Coastline Exposure to Local or Global Threats	<b>11.0%</b> Tree Cover Loss
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### Gender Inequality

0 1 **SCORE: 0.084** **RANK: 7/8 ASSESSED**

<b>0.05</b> Female to Male Labor Ratio	<b>0.15</b> Female to Male Secondary Education Attainment
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## VULNERABILITY (V)

RANK: 7 / 8 ASSESSED  
SCORE: 0.330



### Housing and Transportation Vulnerability

0  1 SCORE: 0.053 RANK: 7/8 ASSESSED

**64.4%**

Housing Built  
Prior to 2000

**3.5%**

Household  
Overcrowding

**28.2%**

Households  
without Private  
Vehicle

**6.8%**

Population  
with Unmet  
Housing Need



### Household Composition and Vulnerable Health

0  1 SCORE: 0.153 RANK: 6/8 ASSESSED

**2.35**

Prevalence of  
Disability (per  
100 persons)

**32.2%**

Prevalence of  
Chronic Illness  
(per 100  
persons)

**8.3%**

Population  
Age 65 and  
Over

**22.9%**

Population  
Under Age 15



### Population Pressures

0  1 SCORE: 0.655 RANK: 2/8 ASSESSED

**2.1%**

Average Annual  
Population  
Change

**332.9**

Population  
Density  
(persons per  
sq km)



## ISLAND CAPACITY (IC)

**RANK: 2 / 8 ASSESSED**  
**SCORE: 0.637**

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



### Environmental Capacity

0  1 **SCORE: 0.275** **RANK: 6/8 ASSESSED**

<b>7.7%</b> Croplands	<b>0.91</b> Net Carbon Flux	<b>10.5%</b> Protected Terrestrial Area	<b>99.4%</b> Protected Coastlines
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### Governance Capacity

0  1 **SCORE: 0.723** **RANK: 4/8 ASSESSED**

<b>93.9%</b> Household Waste Disposal	<b>3.2%</b> Prevalence of Crime
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### Infrastructure Capacity

0  1 **SCORE: 0.673** **RANK: 2/8 ASSESSED**



### Communications Capacity

0  1 **SCORE: 0.873** **RANK: 2/8 ASSESSED**

<b>50.2%</b> Households with Fixed Phones	<b>86.0%</b> Households with Mobile Phones
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### Emergency Services Capacity

0  1 **SCORE: 0.626** **RANK: 3/8 ASSESSED**

<b>2.4</b> Average Distance to Fire Station (km)	<b>2.0</b> Average Distance to Hospital or Clinic (km)	<b>2.1</b> Average Distance to Police Station (km)	<b>1.8</b> Average Distance to Shelter (km)
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### Energy Capacity

0  1 **SCORE: 0.657** **RANK: 2/8 ASSESSED**

<b>95.0%</b> Household Access to Public Electricity	<b>93.9%</b> Households Using Gas for Cooking	<b>11.7%</b> Households with Generator
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### Health Care Capacity

0  1 **SCORE: 0.538** **RANK: 2/8 ASSESSED**

<b>55.6%</b> Health Insurance Coverage	<b>0.14</b> Hospitals and Clinics per 1,000 Persons
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## LOGISTICS CAPACITY (LC)

**RANK: 2 / 8 ASSESSED**  
**SCORE: 0.64**

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



### Maritime Logistics

0  1 **SCORE: 0.748** **RANK: 2/8 ASSESSED**

<b>3.0</b> Average Distance to Seaport (km)	<b>97.9</b> Distance to External Medium or Large Seaport (km)	<b>0.19</b> Port Density (ports per km of coastline)
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### Air Support

0  1 **SCORE: 0.454** **RANK: 5/8 ASSESSED**

<b>94.5</b> Distance to External C130 Airport (km)	<b>2.9</b> Average Distance to Airport or Heliport (km)
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### Transportation Capacity

0  1 **SCORE: 0.474** **RANK: 3/8 ASSESSED**

<b>0.27</b> Gas Stations per 1,000 Persons	<b>6.9</b> Road Density (km of roads per sq km)
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### Warehouse Access

0  1 **SCORE: 0.883** **RANK: 2/8 ASSESSED**

<b>5.7</b> Average Distance to Warehouse (km)	<b>0.0</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 Antigua & Barbuda was calculated by using a combination of Island Capacity and Logistics Capacity.

**RANK: 1 / 8 ASSESSED**  
**SCORE: 0.638**



## RESILIENCE (R)

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

**RANK: 1 / 8 ASSESSED**  
**SCORE: 0.654**

## 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:



### 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.



### Air Support

Air transport is a key component of timely response operations, supporting search and rescue, damage assessment efforts, and the delivery of relief supplies. Increasing air support capacity to accommodate C130 aircraft strengthens the ability to quickly deliver and disseminate emergency relief supplies to where they are most needed.

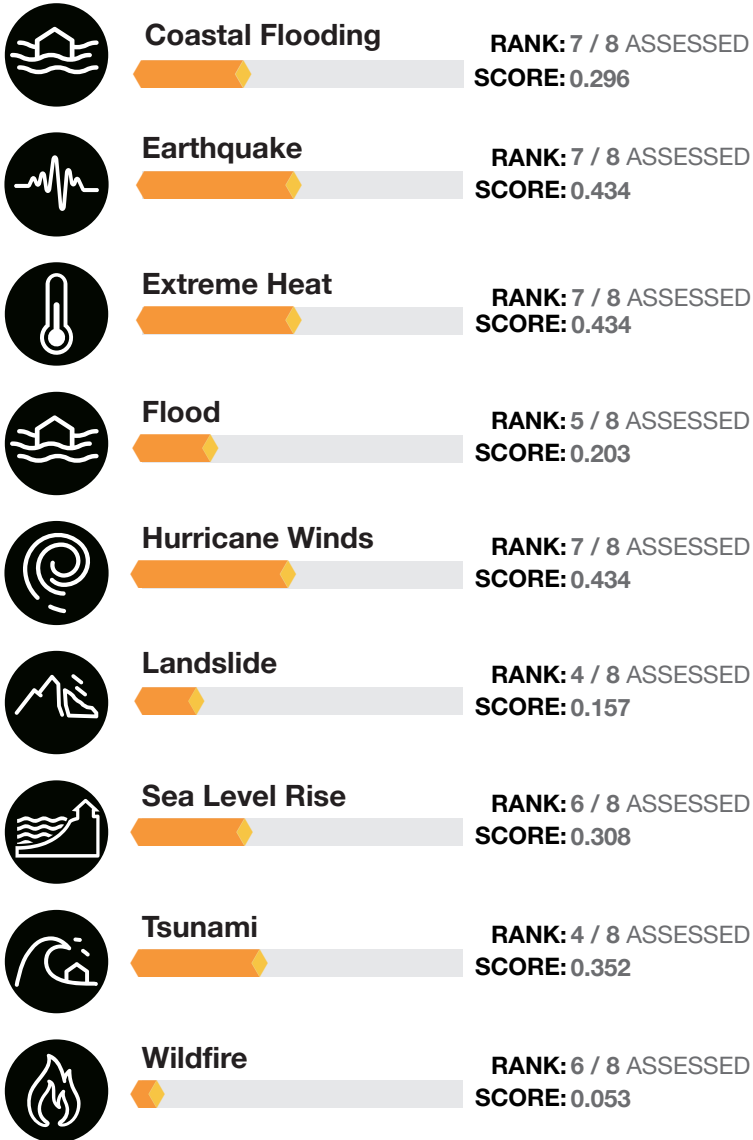


### Transportation Capacity

Dense road networks and refueling locations facilitate the evacuation of populations during a disaster and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



## HAZARD-SPECIFIC RISK (HSR)

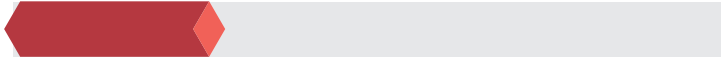




## MULTI-HAZARD RISK (MHR)

7 / 8

RANK AMONG PARISHES/DEPENDENCIES  
Score: 0.274



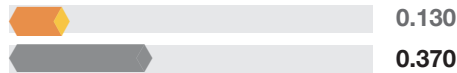
Saint George's score and ranking are due to Very Low Multi-Hazard Exposure combined with Very Low Vulnerability and Very High Coping Capacity scores.

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

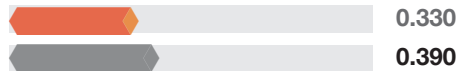
PARISH SCORE  
COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

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