



GUYANA

MAHAICA-BERBICE

NDPBA SUBNATIONAL PROFILE

GUYANA

MAHAICA-BERBICE

CAPITAL: FORT WELLINGTON

Area: 3,814 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Moderate
Score: 0.465 • Rank: 6/10



RESILIENCE (R) - Moderate
Score: 0.518 • Rank: 6/10



MULTI-HAZARD EXPOSURE (MHE) - Moderate
Score: 0.430 • Rank: 5/10



VULNERABILITY (V) - High
Score: 0.456 • Rank: 4/10



COPING CAPACITY (CC) - Moderate
Score: 0.491 • Rank: 6/10



Population (2012 Census)
49,820



Infant Mortality Rate (per 1,000 live births)
16



Households in Lowest Wealth Quintile
21.4%



Households with Improved Drinking Water Source
92.1%



Adult Illiteracy
11.3%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 10 REGIONS
SCORE: 0.430



MHE
0.430

Raw MHE
0.419

Relative MHE
0.442

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

3%

1,603

\$17.1 Million

Critical Infrastructure Exposed:
14%



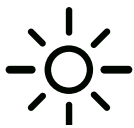
Flash Flooding

4%

1,762

\$12.4 Million

Critical Infrastructure Exposed:
1%



Drought

15%

7,474

-

Critical Infrastructure Exposed:
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Riverine Flooding

33%

16,393

\$134 Million

Critical Infrastructure Exposed:
23%



Extreme Heat

100%

49,955

\$383 Million

Critical Infrastructure Exposed:
100%



Wildfire

100%

49,961

\$382 Million

Critical Infrastructure Exposed:
100%



VULNERABILITY (V)

RANK: 4 / 10 REGIONS ASSESSED
SCORE: 0.456

Vulnerability in Mahaica-Berbice is primarily driven by Vulnerable Groups and Environmental Stress. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Environmental Stress

0 1 **SCORE: 0.392** **RANK: 6/10 REGIONS ASSESSED**

33.1% Households Affected by Drainage Issues	14.2% Households Affected by Waste Disposal	3.1% Households Affected by Soil Erosion	17.2% Households Affected by Water Contamination	- Change in Intact Forest Area	607.6 Livestock Density (per sq km)
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Socio-Demographic Vulnerability

0 1 **SCORE: 0.472** **RANK: 5/10 REGIONS ASSESSED**



Population Pressures

0 1 **SCORE: 0.296** **RANK: 7/10 REGIONS ASSESSED**

-0.50 Average Annual Population Change	1.50 Net Migration Rate
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Human Development Vulnerability

0 1 **SCORE: 0.329** **RANK: 6/10 REGIONS ASSESSED**

Standard of Living

SCORE: 0.200 **RANK: 6/10 REGIONS ASSESSED**

92.1% Households with Improved Drinking Water Source	98.5% Households with Improved Sanitation	0.1% Households with Water Source over 30 minutes from Home	1.6% Households Cooking with Solid Fuels	18.3% Households with a Private Vehicle	18.5% Population with Internet Access	74.5% Households with Television Access	52.1% Households with Radio Access
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Vulnerable Health Status

SCORE: 0.230 **RANK: 7/10 REGIONS ASSESSED**

16 Infant Mortality Rate	65 Adolescent Birth Rate	6.2% Children Under Age 5 Wasting
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Information Access Vulnerability

SCORE: 0.550 **RANK: 3/10 REGIONS ASSESSED**

34.8% Adults with Less than Secondary Education	11.3% Adult Illiteracy	88.0% Net Primary School Enrollment
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Economic Constraints

SCORE: 0.336 **RANK: 5/10 REGIONS ASSESSED**

54.5 Age Dependency Ratio	21.4% Unemployment Rate	17.1% Unemployment Rate
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VULNERABILITY (V)

RANK: 4 / 10 REGIONS ASSESSED
SCORE: 0.456



Socio-Demographic Vulnerability (*Continued...*)



Vulnerable Groups

0  1 SCORE: 0.817 RANK: 1/10 REGIONS ASSESSED

3.6%

Disabled
Population

Gender Inequality

SCORE: 0.716 RANK: 3/10 REGIONS ASSESSED

0.32

Female to
Male Labor
Participation

1.11

Parity in
Secondary
Education
Enrollment



COPING CAPACITY (CC)

RANK: 6 / 10 REGIONS ASSESSED
SCORE: 0.491

Mahaica-Berbice exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0  1 **SCORE: 0.566** **RANK: 5/10 REGIONS ASSESSED**

10.9% Concentration of Wealth	12.9% Population Receiving Remittances	55.4% Households with a Bank Account
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Governance

0  1 **SCORE: 0.341** **RANK: 8/10 REGIONS ASSESSED**

59.0 Crime Rate per 10,000 persons	45.4% Trust in Government	19.1% Community Involvement	10.1% Local Government Participation	14.3% Prevalence of Corruption
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Environmental Capacity

0  1 **SCORE: 0.021** **RANK: 9/10 REGIONS ASSESSED**

0.00% Percent Protected Area	0.0% State Managed Forest Area	-736 Average Annual Net Carbon Flux
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Infrastructure Capacity

0  1 **SCORE: 0.628** **RANK: 5/10 REGIONS ASSESSED**



Emergency Services and Health Care Capacity

0  1 **SCORE: 0.841** **RANK: 5/10 REGIONS ASSESSED**

10.0 Average Distance to Fire Station (km)	7.0 Average Distance to Hospital (km)	4.7 Average Distance to Police Station (km)	89.3% DPT Immunization Coverage
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Transportation Capacity

0  1 **SCORE: 0.166** **RANK: 9/10 REGIONS ASSESSED**

0.16 Road Density (km per sq km)	14.3 Average Distance to Port/Airport (km)
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COPING CAPACITY (CC)

RANK: 6 / 10 REGIONS ASSESSED
SCORE: 0.491



Infrastructure Capacity (Continued...)



Communications Capacity

0  1 SCORE: 0.862 RANK: 3/10 REGIONS ASSESSED

68.4%
Households with Mobile Phones

50.6%
Households with Fixed Phones

100%
Cell Tower Coverage Area



Energy Capacity

0  1 SCORE: 0.641 RANK: 5/10 REGIONS ASSESSED

83.3%
Households with Electricity

64.5%
Households Using Gas as Main Cooking Fuel

2.0
Fuel Stations per 10,000 Persons



RESILIENCE (R)

RANK: 6 / 10 REGIONS ASSESSED
SCORE: 0.518

Mahaica-Berbice'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:



Vulnerable Groups



Environmental Stress



Governance



Economic Capacity

KEY FACTORS INFLUENCING RESILIENCE



Vulnerable Groups

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 and involvement of persons with disabilities and their caregivers in all phases of disaster management, ensuring implementation at subnational and local levels. Plans and strategies must consider the special needs and accommodations of disabled populations during response and recovery, including evacuation and sheltering. Courses of action must consider the roles of women in society and support changes to policies and programs to promote gender-equal access.



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.



Governance

Instability of institutional structures can make a region more susceptible to the negative effects of a disaster event. Increasing stability increases the likelihood that emergencies can be better managed at the local level and supports a quick return to normal functions.

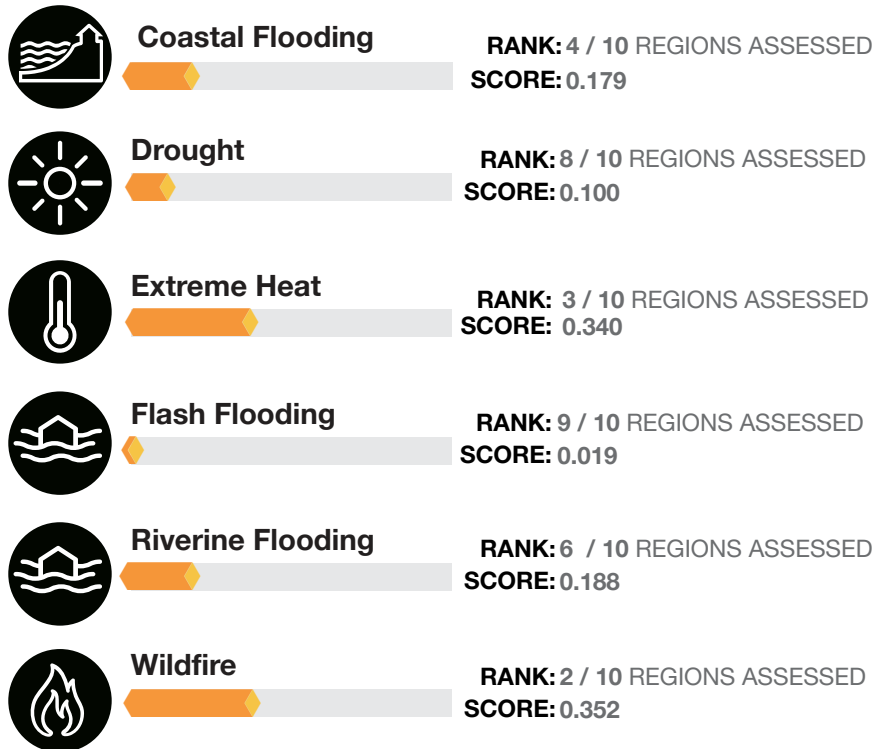


Economic Capacity

A strong economic foundation provides an indication of a region's ability to absorb economic losses and quickly mobilize financial assets for preparedness, response and recovery activities. Limited economic capacity correlates to disproportionate disaster impacts.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

6 / 10

RANK WITHIN REGIONS
Score: 0.465



Mahaica-Berbice'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:

REGIONS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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