



GUYANA

BARIMA-WAINI

NDPBA SUBNATIONAL PROFILE

GUYANA

BARIMA-WAINI

CAPITAL: MABARUMA

Area: 19,580 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High
Score: 0.558 • Rank: 1/10



RESILIENCE (R) - Very Low
Score: 0.373 • Rank: 10/10



MULTI-HAZARD EXPOSURE (MHE) - Moderate
Score: 0.420 • Rank: 7/10



VULNERABILITY (V) - Very High
Score: 0.597 • Rank: 1/10



COPING CAPACITY (CC) - Very Low
Score: 0.343 • Rank: 10/10



Population (2012 Census)
27,643



Infant Mortality Rate (per 1,000 live births)
24



Households in Lowest Wealth Quintile
85.6%



Households with Improved Drinking Water Source
80.7%



Adult Illiteracy
25.5%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 10 REGIONS
SCORE: 0.420



MHE
0.420

Raw MHE
0.347

Relative MHE
0.492

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

<1%

👤 129

\$4.32 Million

Critical Infrastructure Exposed:
1%



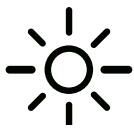
Flash Flooding

100%

👤 27,996

\$165 Million

Critical Infrastructure Exposed:
100%



Drought

<1%

👤 11

-

Critical Infrastructure Exposed:
-



Riverine Flooding

46%

👤 12,859

\$56.2 Million

Critical Infrastructure Exposed:
48%



Extreme Heat

100%

👤 28,047

\$166 Million

Critical Infrastructure Exposed:
100%



Wildfire

51%

👤 14,355

\$45.4 Million

Critical Infrastructure Exposed:
47%



VULNERABILITY (V)

RANK: 1 / 10 REGIONS ASSESSED
SCORE: 0.597

Vulnerability in Barima-Waini is primarily driven by Vulnerable Groups and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Environmental Stress

0 1 **SCORE: 0.266** **RANK: 8/10 REGIONS ASSESSED**

7.0% Households Affected by Drainage Issues	9.1% Households Affected by Waste Disposal	8.4% Households Affected by Soil Erosion	15.5% Households Affected by Water Contamination	-55.18 Change in Intact Forest Area	5.6 Livestock Density (per sq km)
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Socio-Demographic Vulnerability

0 1 **SCORE: 0.680** **RANK: 1/10 REGIONS ASSESSED**



Population Pressures

0 1 **SCORE: 0.431** **RANK: 4/10 REGIONS ASSESSED**

1.39 Average Annual Population Change	1.12 Net Migration Rate
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Human Development Vulnerability

0 1 **SCORE: 0.728** **RANK: 1/10 REGIONS ASSESSED**

Standard of Living

SCORE: 0.739 **RANK: 3/10 REGIONS ASSESSED**

80.7% Households with Improved Drinking Water Source	90.2% Households with Improved Sanitation	13.1% Households with Water Source over 30 minutes from Home	38.3% Households Cooking with Solid Fuels	4.7% Households with a Private Vehicle	3.0% Population with Internet Access	52.2% Households with Television Access	32.0% Households with Radio Access
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Vulnerable Health Status

SCORE: 0.425 **RANK: 5/10 REGIONS ASSESSED**

24 Infant Mortality Rate	187 Adolescent Birth Rate	3.3% Children Under Age 5 Wasting
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Information Access Vulnerability

SCORE: 0.821 **RANK: 1/10 REGIONS ASSESSED**

42.6% Adults with Less than Secondary Education	25.5% Adult Illiteracy	89.5% Net Primary School Enrollment
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Economic Constraints

SCORE: 0.926 **RANK: 2/10 REGIONS ASSESSED**

92.5 Age Dependency Ratio	85.6% Unemployment Rate	19.3% Unemployment Rate
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VULNERABILITY (V)

RANK: 1 / 10 REGIONS ASSESSED
SCORE: 0.597



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



Vulnerable Groups

0  1 SCORE: 0.668 RANK: 4/10 REGIONS ASSESSED

2.2%

Disabled
Population

Gender Inequality

SCORE: 0.981 RANK: 1/10 REGIONS ASSESSED

0.31

Female to
Male Labor
Participation

1.21

Parity in
Secondary
Education
Enrollment



COPING CAPACITY (CC)

RANK: 10 / 10 REGIONS ASSESSED
SCORE: 0.343

Barima-Waini exhibits weaker Coping Capacity in the areas of Economic Capacity and Energy Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0 1 **SCORE: 0.010** **RANK: 10/10 REGIONS ASSESSED**

0.3% Concentration of Wealth	2.7% Population Receiving Remittances	22.4% Households with a Bank Account
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Governance

0 1 **SCORE: 0.975** **RANK: 1/10 REGIONS ASSESSED**

23.3 Crime Rate per 10,000 persons	64.2% Trust in Government	55.6% Community Involvement	25.0% Local Government Participation	10.3% Prevalence of Corruption
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Environmental Capacity

0 1 **SCORE: 0.688** **RANK: 2/10 REGIONS ASSESSED**

6.44% Percent Protected Area	82.4% State Managed Forest Area	-3890 Average Annual Net Carbon Flux
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Infrastructure Capacity

0 1 **SCORE: 0.191** **RANK: 10/10 REGIONS ASSESSED**



Emergency Services and Health Care Capacity

0 1 **SCORE: 0.191** **RANK: 9/10 REGIONS ASSESSED**

65.1 Average Distance to Fire Station (km)	22.6 Average Distance to Hospital (km)	31.5 Average Distance to Police Station (km)	75.0% DPT Immunization Coverage (by Age 2)
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Transportation Capacity

0 1 **SCORE: 0.321** **RANK: 8/10 REGIONS ASSESSED**

0.06 Road Density (km per sq km)	9.2 Average Distance to Port/Airport (km)
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COPING CAPACITY (CC)

RANK: 10 / 10 REGIONS ASSESSED
SCORE: 0.343



Infrastructure Capacity (Continued...)



Communications Capacity

0  1 SCORE: 0.248 RANK: 9/10 REGIONS ASSESSED

61.7%
Households with Mobile Phones

1.7%
Households with Fixed Phones

31%
Cell Tower Coverage Area



Energy Capacity

0  1 SCORE: 0.006 RANK: 10/10 REGIONS ASSESSED

26.5%
Households with Electricity

36.6%
Households Using Gas as Main Cooking Fuel

0.0
Fuel Stations per 10,000 Persons



RESILIENCE (R)

RANK: 10 / 10 REGIONS ASSESSED
SCORE: 0.373

Barima-Waini'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:



Vulnerable Groups



Economic Constraints



Economic Capacity



Energy 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.



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.



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.



Energy Capacity

Homes, businesses, industry, and government all rely on access to energy resources for continuity of daily activities. Expanding, strengthening, and securing the energy network and increasing the availability and quantity of energy reserves will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster.



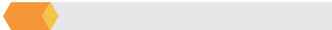
HAZARD-SPECIFIC RISK (HSR)



Coastal Flooding

RANK: 6 / 10 REGIONS ASSESSED

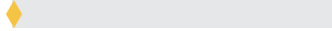
SCORE: 0.114



Drought

RANK: 10 / 10 REGIONS ASSESSED

SCORE: 0.000



Extreme Heat

RANK: 1 / 10 REGIONS ASSESSED

SCORE: 0.432



Flash Flooding

RANK: 1 / 10 REGIONS ASSESSED

SCORE: 0.443



Riverine Flooding

RANK: 1 / 10 REGIONS ASSESSED

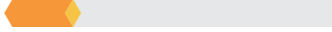
SCORE: 0.338



Wildfire

RANK: 7 / 10 REGIONS ASSESSED

SCORE: 0.176





MULTI-HAZARD RISK (MHR)

1 / 10

RANK WITHIN REGIONS
Score: 0.558



Barima-Waini's score and ranking are due to Moderate 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:

REGIONS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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