



GUYANA

DEMERARA-MAHAICA

NDPBA SUBNATIONAL PROFILE

GUYANA

DEMERARA-MAHAICA

CAPITAL: TRIUMPH

Area: 2,165 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - High
Score: 0.490 • Rank: 3/10



RESILIENCE (R) - Very High
Score: 0.648 • Rank: 1/10



MULTI-HAZARD EXPOSURE (MHE) - Very High
Score: 0.767 • Rank: 2/10



VULNERABILITY (V) - Very Low
Score: 0.324 • Rank: 10/10



COPING CAPACITY (CC) - Very High
Score: 0.621 • Rank: 2/10



Population (2012 Census)
311,563



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



Households in Lowest Wealth Quintile
9.5%



Households with Improved Drinking Water Source
98.0%



Adult Illiteracy
6.9%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 10 REGIONS
SCORE: 0.767



MHE
0.767

Raw MHE
0.895

Relative MHE
0.639

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

11%

36,550

\$401 Million

Critical Infrastructure Exposed:
7%



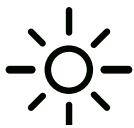
Flash Flooding

74%

237,276

\$3.51 Billion

Critical Infrastructure Exposed:
59%



Drought

16%

49,871

-

Critical Infrastructure Exposed:
-



Riverine Flooding

68%

218,877

\$3.76 Billion

Critical Infrastructure Exposed:
47%



Extreme Heat

100%

321,333

\$4.04 Billion

Critical Infrastructure Exposed:
100%



Wildfire

100%

321,135

\$4.03 Billion

Critical Infrastructure Exposed:
100%



VULNERABILITY (V)

RANK: 10 / 10 REGIONS ASSESSED
SCORE: 0.324

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



Environmental Stress

0  1 **SCORE: 0.680** **RANK: 2/10 REGIONS ASSESSED**

47.0% Households Affected by Drainage Issues	26.3% Households Affected by Waste Disposal	3.8% Households Affected by Soil Erosion	26.0% Households Affected by Water Contamination	- Change in Intact Forest Area	5954.1 Livestock Density (per sq km)
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Socio-Demographic Vulnerability

0  1 **SCORE: 0.235** **RANK: 9/10 REGIONS ASSESSED**



Population Pressures

0  1 **SCORE: 0.351** **RANK: 5/10 REGIONS ASSESSED**

0.04 Average Annual Population Change	-4.12 Net Migration Rate
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Human Development Vulnerability

0  1 **SCORE: 0.124** **RANK: 10/10 REGIONS ASSESSED**

Standard of Living

SCORE: 0.046 **RANK: 10/10 REGIONS ASSESSED**

98.0% Households with Improved Drinking Water Source	97.0% Households with Improved Sanitation	0.6% Households with Water Source over 30 minutes from Home	1.6% Households Cooking with Solid Fuels	24.9% Households with a Private Vehicle	37.4% Population with Internet Access	89.0% Households with Television Access	61.9% Households with Radio Access
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Vulnerable Health Status

SCORE: 0.222 **RANK: 8/10 REGIONS ASSESSED**

16 Infant Mortality Rate	71 Adolescent Birth Rate	5.8% Children Under Age 5 Wasting
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Information Access Vulnerability

SCORE: 0.192 **RANK: 8/10 REGIONS ASSESSED**

20.5% Adults with Less than Secondary Education	6.9% Adult Illiteracy	90.2% Net Primary School Enrollment
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Economic Constraints

SCORE: 0.037 **RANK: 10/10 REGIONS ASSESSED**

50.1 Age Dependency Ratio	9.5% Unemployment Rate	11.3% Unemployment Rate
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VULNERABILITY (V)

RANK: 10 / 10 REGIONS ASSESSED
SCORE: 0.324



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



Vulnerable Groups

0  1 SCORE: 0.419 RANK: 7/10 REGIONS ASSESSED

3.0%

Disabled
Population

Gender Inequality

SCORE: 0.176 RANK: 8/10 REGIONS ASSESSED

0.55

Female to
Male Labor
Participation

1.08

Parity in
Secondary
Education
Enrollment



COPING CAPACITY (CC)

RANK: 2 / 10 REGIONS ASSESSED
SCORE: 0.621

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



Economic Capacity

0  1 **SCORE: 0.896** **RANK: 1/10 REGIONS ASSESSED**

28.0% Concentration of Wealth	14.7% Population Receiving Remittances	69.7% Households with a Bank Account
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Governance

0  1 **SCORE: 0.042** **RANK: 10/10 REGIONS ASSESSED**

128.6 Crime Rate per 10,000 persons	45.0% Trust in Government	20.1% Community Involvement	6.0% Local Government Participation	27.3% Prevalence of Corruption
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Environmental Capacity

0  1 **SCORE: 0.002** **RANK: 10/10 REGIONS ASSESSED**

0.00% Percent Protected Area	0.5% State Managed Forest Area	-228 Average Annual Net Carbon Flux
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Infrastructure Capacity

0  1 **SCORE: 0.860** **RANK: 1/10 REGIONS ASSESSED**



Emergency Services and Health Care Capacity

0  1 **SCORE: 0.909** **RANK: 1/10 REGIONS ASSESSED**

3.7 Average Distance to Fire Station (km)	6.8 Average Distance to Hospital (km)	2.2 Average Distance to Police Station (km)	91.9% DPT Immunization Coverage
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Transportation Capacity

0  1 **SCORE: 0.810** **RANK: 1/10 REGIONS ASSESSED**

1.03 Road Density (km per sq km)	8.3 Average Distance to Port/Airport (km)
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COPING CAPACITY (CC)

RANK: 2 / 10 REGIONS ASSESSED
SCORE: 0.621



Infrastructure Capacity (Continued...)



Communications Capacity

0  1 SCORE: 0.966 RANK: 1/10 REGIONS ASSESSED

74.9%
Households with Mobile Phones

62.4%
Households with Fixed Phones

100%
Cell Tower Coverage Area



Energy Capacity

0  1 SCORE: 0.755 RANK: 2/10 REGIONS ASSESSED

93.7%
Households with Electricity

79.5%
Households Using Gas as Main Cooking Fuel

1.3
Fuel Stations per 10,000 Persons



RESILIENCE (R)

RANK: 1 / 10 REGIONS ASSESSED
SCORE: 0.648

Demerara-Mahaica'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



Vulnerable Groups



Governance



Environmental Capacity

KEY FACTORS INFLUENCING RESILIENCE



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.



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.



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.



Environmental Capacity

Properly managed environments sustain populations by providing food, water, and even economic benefits from industries such as tourism. Increasing protected areas can also serve as additional buffers between the population and impacted areas.

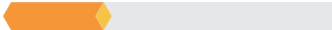


HAZARD-SPECIFIC RISK (HSR)



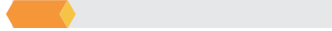
Coastal Flooding

RANK: 3 / 10 REGIONS ASSESSED
SCORE: 0.268



Drought

RANK: 7 / 10 REGIONS ASSESSED
SCORE: 0.155



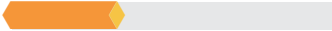
Extreme Heat

RANK: 2 / 10 REGIONS ASSESSED
SCORE: 0.357



Flash Flooding

RANK: 2 / 10 REGIONS ASSESSED
SCORE: 0.309



Riverine Flooding

RANK: 2 / 10 REGIONS ASSESSED
SCORE: 0.328



Wildfire

RANK: 1 / 10 REGIONS ASSESSED
SCORE: 0.356





MULTI-HAZARD RISK (MHR)

3 / 10

RANK WITHIN REGIONS
Score: 0.490



Demerara-Mahaica'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:

REGIONS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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