



GUYANA

UPPER DEMERARA-UPPER BERBICE

NDPBA SUBNATIONAL PROFILE

GUYANA

UPPER DEMERARA- UPPER BERBICE

CAPITAL: LINDEN

Area: 16,705 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low
Score: 0.384 • Rank: 9/10



RESILIENCE (R) - Very High
Score: 0.635 • Rank: 2/10



MULTI-HAZARD EXPOSURE (MHE) - Moderate
Score: 0.420 • Rank: 6/10



VULNERABILITY (V) - Very Low
Score: 0.337 • Rank: 9/10



COPING CAPACITY (CC) - High
Score: 0.606 • Rank: 3/10



Population (2012 Census)
39,992



Infant Mortality Rate (per 1,000 live births)
13



Households in Lowest Wealth Quintile
23.3%



Households with Improved Drinking Water Source
90.0%



Adult Illiteracy
4.6%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 10 REGIONS
SCORE: 0.420



MHE
0.420

Raw MHE
0.311

Relative MHE
0.530

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

<1%

9

-

Critical Infrastructure Exposed:
0%



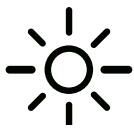
Flash Flooding

97%

37,987

\$490 Million

Critical Infrastructure Exposed:
93%



Drought

100%

39,297

-

Critical Infrastructure Exposed:
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Riverine Flooding

32%

12,684

\$8.49 Million

Critical Infrastructure Exposed:
56%



Extreme Heat

100%

39,302

\$495 Million

Critical Infrastructure Exposed:
100%



Wildfire

44%

17,268

\$130 Million

Critical Infrastructure Exposed:
36%



VULNERABILITY (V)

RANK: 9 / 10 REGIONS ASSESSED
SCORE: 0.337

Vulnerability in Upper Demerara-Upper Berbice 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: 0.850** **RANK: 1/10 REGIONS ASSESSED**

28.9% Households Affected by Drainage Issues	30.5% Households Affected by Waste Disposal	21.3% Households Affected by Soil Erosion	38.6% Households Affected by Water Contamination	-74.03 Change in Intact Forest Area	40.7 Livestock Density (per sq km)
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Socio-Demographic Vulnerability

0  1 **SCORE: 0.209** **RANK: 10/10 REGIONS ASSESSED**



Population Pressures

0  1 **SCORE: 0.144** **RANK: 10/10 REGIONS ASSESSED**

-0.27 Average Annual Population Change	-0.57 Net Migration Rate
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Human Development Vulnerability

0  1 **SCORE: 0.168** **RANK: 9/10 REGIONS ASSESSED**

Standard of Living

SCORE: 0.199 **RANK: 7/10 REGIONS ASSESSED**

90.0% Households with Improved Drinking Water Source	95.6% Households with Improved Sanitation	2.0% Households with Water Source over 30 minutes from Home	1.5% Households Cooking with Solid Fuels	17.4% Households with a Private Vehicle	30.6% Population with Internet Access	82.5% Households with Television Access	58.1% Households with Radio Access
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Vulnerable Health Status

SCORE: 0.052 **RANK: 10/10 REGIONS ASSESSED**

13 Infant Mortality Rate	49 Adolescent Birth Rate	4.2% Children Under Age 5 Wasting
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Information Access Vulnerability

SCORE: 0.092 **RANK: 10/10 REGIONS ASSESSED**

18.3% Adults with Less than Secondary Education	4.6% Adult Illiteracy	91.0% Net Primary School Enrollment
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Economic Constraints

SCORE: 0.328 **RANK: 6/10 REGIONS ASSESSED**

63.2 Age Dependency Ratio	23.3% Unemployment Rate	15.2% Unemployment Rate
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VULNERABILITY (V)

RANK: 9 / 10 REGIONS ASSESSED
SCORE: 0.337



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



Vulnerable Groups

0  1 SCORE: 0.312 RANK: 9/10 REGIONS ASSESSED

2.7%

Disabled
Population

Gender Inequality

SCORE: 0.056 RANK: 9/10 REGIONS ASSESSED

0.52

Female to
Male Labor
Participation

1.01

Parity in
Secondary
Education
Enrollment



COPING CAPACITY (CC)

RANK: 3 / 10 REGIONS ASSESSED
SCORE: 0.606

Upper Demerara-Upper 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: 0.715** **RANK: 4/10 REGIONS ASSESSED**

10.0% Concentration of Wealth	16.3% Population Receiving Remittances	69.2% Households with a Bank Account
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Governance

0  1 **SCORE: 0.352** **RANK: 7/10 REGIONS ASSESSED**

50.2 Crime Rate per 10,000 persons	42.8% Trust in Government	33.3% Community Involvement	11.6% Local Government Participation	20.6% Prevalence of Corruption
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Environmental Capacity

0  1 **SCORE: 0.454** **RANK: 6/10 REGIONS ASSESSED**

<1% Percent Protected Area	81.0% State Managed Forest Area	-3050 Average Annual Net Carbon Flux
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Infrastructure Capacity

0  1 **SCORE: 0.691** **RANK: 4/10 REGIONS ASSESSED**



Emergency Services and Health Care Capacity

0  1 **SCORE: 0.766** **RANK: 6/10 REGIONS ASSESSED**

26.8 Average Distance to Fire Station (km)	9.2 Average Distance to Hospital (km)	6.3 Average Distance to Police Station (km)	90.0% DPT Immunization Coverage
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Transportation Capacity

0  1 **SCORE: 0.598** **RANK: 3/10 REGIONS ASSESSED**

0.09 Road Density (km per sq km)	4.7 Average Distance to Port/Airport (km)
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COPING CAPACITY (CC)

RANK: 3 / 10 REGIONS ASSESSED
SCORE: 0.606



Infrastructure Capacity (Continued...)



Communications Capacity

0  1 SCORE: 0.894 RANK: 2/10 REGIONS ASSESSED

73.3%
Households
with Mobile
Phones

51.1%
Households
with Fixed
Phones

100%
Cell Tower
Coverage Area



Energy Capacity

0  1 SCORE: 0.503 RANK: 6/10 REGIONS ASSESSED

88.4%
Households
with Electricity

48.1%
Households
Using Gas as
Main Cooking
Fuel

1.5
Fuel Stations
per 10,000
Persons



RESILIENCE (R)

RANK: 2 / 10 REGIONS ASSESSED
SCORE: 0.635

Upper Demerara-Upper Berbice's score and ranking are due to Very Low Vulnerability combined with High Coping Capacity scores.

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



Environmental
Stress



Vulnerable Groups



Governance



Economic 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.



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.

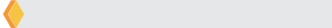


HAZARD-SPECIFIC RISK (HSR)



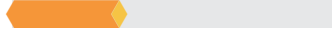
Coastal Flooding

RANK: 8 / 10 REGIONS ASSESSED
SCORE: 0.014



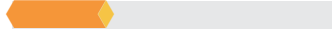
Drought

RANK: 5 / 10 REGIONS ASSESSED
SCORE: 0.305



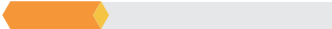
Extreme Heat

RANK: 8 / 10 REGIONS ASSESSED
SCORE: 0.266



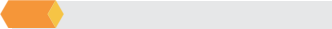
Flash Flooding

RANK: 6 / 10 REGIONS ASSESSED
SCORE: 0.263



Riverine Flooding

RANK: 9 / 10 REGIONS ASSESSED
SCORE: 0.137



Wildfire

RANK: 9 / 10 REGIONS ASSESSED
SCORE: 0.090





MULTI-HAZARD RISK (MHR)

9 / 10

RANK WITHIN REGIONS
Score: 0.384



Upper Demerara-Upper Berbice's score and ranking are due to Moderate Multi-hazard Exposure combined with Very Low Vulnerability and High Coping Capacity scores.

Multi-hazard risk component scores compared to overall average country scores:

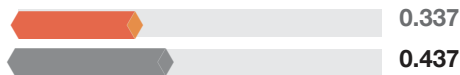
▬ ▬ REGIONS SCORE
▬ COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

**1305 N Holopono Street
Suite 2, Kihei, HI 96753**

**P: (808) 891-0525
F: (808) 891-0526**



@PDC_Global



/PDCGlobal



www.pdc.org



ndpba.guy@pdc.org