



GUYANA

UPPER TAKUTU-UPPER ESSEQUIBO

NDPBA SUBNATIONAL PROFILE

GUYANA

UPPER TAKUTU-UPPER ESSEQUIBO

CAPITAL: LETHEM

Area: 55,280 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Moderate
Score: 0.468 • Rank: 5/10



RESILIENCE (R) - Low
Score: 0.468 • Rank: 8/10



MULTI-HAZARD EXPOSURE (MHE) - Very Low
Score: 0.339 • Rank: 9/10



VULNERABILITY (V) - Moderate
Score: 0.420 • Rank: 6/10



COPING CAPACITY (CC) - Very Low
Score: 0.357 • Rank: 9/10



Population (2012 Census)
24,238



Infant Mortality Rate (per 1,000 live births)
37



Households in Lowest Wealth Quintile
93.1%



Households with Improved Drinking Water Source
41.9%



Adult Illiteracy
12.4%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 9 / 10 REGIONS
SCORE: 0.339



MHE
0.339

Raw MHE
0.317

Relative MHE
0.362

ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

0%

0

-

Critical Infrastructure Exposed:
0%



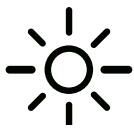
Flash Flooding

1%

164

\$190,000

Critical Infrastructure Exposed:
4%



Drought

100%

26,962

-

Critical Infrastructure Exposed:
-



Riverine Flooding

31%

8,422

\$31.2 Million

Critical Infrastructure Exposed:
61%



Extreme Heat

88%

23,820

\$138 Million

Critical Infrastructure Exposed:
98%



Wildfire

91%

24,417

\$143 Million

Critical Infrastructure Exposed:
85%



VULNERABILITY (V)

RANK: 6 / 10 REGIONS ASSESSED
SCORE: 0.420

Vulnerability in Upper Takutu-Upper Essequibo is primarily driven by Economic Constraints and Standard of Living. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Environmental Stress

0 1 **SCORE: 0.212** **RANK: 9/10 REGIONS ASSESSED**

3.1% Households Affected by Drainage Issues	19.6% Households Affected by Waste Disposal	13.4% Households Affected by Soil Erosion	13.9% Households Affected by Water Contamination	-11.69 Change in Intact Forest Area	0.8 Livestock Density (per sq km)
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Socio-Demographic Vulnerability

0 1 **SCORE: 0.472** **RANK: 4/10 REGIONS ASSESSED**



Population Pressures

0 1 **SCORE: 0.681** **RANK: 2/10 REGIONS ASSESSED**

2.50 Average Annual Population Change	2.25 Net Migration Rate
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Human Development Vulnerability

0 1 **SCORE: 0.674** **RANK: 2/10 REGIONS ASSESSED**

Standard of Living

SCORE: 0.819 **RANK: 1/10 REGIONS ASSESSED**

41.9% Households with Improved Drinking Water Source	89.0% Households with Improved Sanitation	2.2% Households with Water Source over 30 minutes from Home	54.8% Households Cooking with Solid Fuels	8.8% Households with a Private Vehicle	7.4% Population with Internet Access	29.5% Households with Television Access	27.9% Households with Radio Access
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Vulnerable Health Status

SCORE: 0.717 **RANK: 2/10 REGIONS ASSESSED**

37 Infant Mortality Rate	187 Adolescent Birth Rate	6.5% Children Under Age 5 Wasting
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Information Access Vulnerability

SCORE: 0.167 **RANK: 9/10 REGIONS ASSESSED**

21.4% Adults with Less than Secondary Education	12.4% Adult Illiteracy	93.2% Net Primary School Enrollment
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Economic Constraints

SCORE: 0.992 **RANK: 1/10 REGIONS ASSESSED**

99.2 Age Dependency Ratio	93.1% Unemployment Rate	19.1% Unemployment Rate
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VULNERABILITY (V)

RANK: 6 / 10 REGIONS ASSESSED
SCORE: 0.420



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



Vulnerable Groups

0  1 SCORE: 0.000 RANK: 10/10 REGIONS ASSESSED

1.2%

Disabled
Population

Gender Inequality

SCORE: 0.000 RANK: 10/10 REGIONS ASSESSED

0.55

Female to
Male Labor
Participation

0.99

Parity in
Secondary
Education
Enrollment



COPING CAPACITY (CC)

RANK: 9 / 10 REGIONS ASSESSED
SCORE: 0.357

Upper Takutu-Upper Essequibo exhibits weaker Coping Capacity in the areas of Economic Capacity and Communications Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0 1 **SCORE: 0.044** **RANK: 9/10 REGIONS ASSESSED**

0.7% Concentration of Wealth	4.4% Population Receiving Remittances	20.7% Households with a Bank Account
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Governance

0 1 **SCORE: 0.800** **RANK: 4/10 REGIONS ASSESSED**

135.7 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: 0.828** **RANK: 1/10 REGIONS ASSESSED**

22.87% Percent Protected Area	42.1% State Managed Forest Area	-8170 Average Annual Net Carbon Flux
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Infrastructure Capacity

0 1 **SCORE: 0.252** **RANK: 8/10 REGIONS ASSESSED**



Emergency Services and Health Care Capacity

0 1 **SCORE: 0.399** **RANK: 7/10 REGIONS ASSESSED**

64.6 Average Distance to Fire Station (km)	24.0 Average Distance to Hospital (km)	20.2 Average Distance to Police Station (km)	87.0% DPT Immunization Coverage
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Transportation Capacity

0 1 **SCORE: 0.372** **RANK: 7/10 REGIONS ASSESSED**

0.03 Road Density (km per sq km)	7.1 Average Distance to Port/Airport (km)
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COPING CAPACITY (CC)

RANK: 9 / 10 REGIONS ASSESSED
SCORE: 0.357



Infrastructure Capacity (Continued...)



Communications Capacity

0  1 SCORE: 0.037 RANK: 10/10 REGIONS ASSESSED

26.0%
Households with Mobile Phones

2.7%
Households with Fixed Phones

32%
Cell Tower Coverage Area



Energy Capacity

0  1 SCORE: 0.201 RANK: 9/10 REGIONS ASSESSED

25.2%
Households with Electricity

43.7%
Households Using Gas as Main Cooking Fuel

2.1
Fuel Stations per 10,000 Persons



RESILIENCE (R)

RANK: 8 / 10 REGIONS ASSESSED
SCORE: 0.468

Upper Takutu-Upper Essequibo's score and ranking are due to Moderate Vulnerability combined with Very Low Coping Capacity scores.

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



Economic Constraints



Standard of Living



Economic Capacity



Communications Capacity

KEY FACTORS INFLUENCING RESILIENCE



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.



Standard of Living

Households experiencing access or mobility constraints with regard to information, clean water and sanitation, or transportation are challenged to maintain a standard of living that meets basic household needs. Those with information access or mobility constraints may not be able to receive and act upon warning information in a timely manner or seek emergency medical care. Households without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts. Expansion of information and communications technology into remote and underserved communities will increase accessibility to alert and warning information.



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.



Communications Capacity

The density, diversity, resilience, and quality of communications infrastructure influence how subnational- and local-level populations are able to facilitate effective and coordinated communication.



HAZARD-SPECIFIC RISK (HSR)



Coastal Flooding

RANK: 10 / 10 REGIONS ASSESSED
SCORE: 0.000



Drought

RANK: 1 / 10 REGIONS ASSESSED
SCORE: 0.419



Extreme Heat

RANK: 4 / 10 REGIONS ASSESSED
SCORE: 0.326



Flash Flooding

RANK: 10 / 10 REGIONS ASSESSED
SCORE: 0.006



Riverine Flooding

RANK: 4 / 10 REGIONS ASSESSED
SCORE: 0.246



Wildfire

RANK: 3 / 10 REGIONS ASSESSED
SCORE: 0.342



MULTI-HAZARD RISK (MHR)

5 / 10

RANK WITHIN REGIONS
Score: 0.468



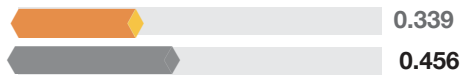
Upper Takutu-Upper Essequibo's score and ranking are due to Very Low Multi-hazard Exposure combined with Moderate Vulnerability and Very Low Coping Capacity scores.

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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