



GHANA

UPPER EAST

NDPBA SUBNATIONAL PROFILE

GHANA UPPER EAST

CAPITAL: BOLGATANGA

Area: 8,842 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

High
Score: 0.57 • Rank: 4/16



RESILIENCE (R)

Low
Score: 0.376 • Rank: 12/16



MULTI-HAZARD EXPOSURE (MHE)

High
Score: 0.463 • Rank: 5/16



VULNERABILITY (V)

High
Score: 0.576 • Rank: 4/16



COPING CAPACITY (CC)

Low
Score: 0.328 • Rank: 12/16



Population (2021 Census)

1,301,226



Poverty Rate

43.0%



Food Insecurity

49.5%



Infant Mortality Rate (per 1,000 live births)

36



Adult Illiteracy Rate

52.0%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 16 REGIONS ASSESSED
SCORE: 0.463



MHE
0.463

Raw MHE
0.203

Relative MHE
0.723

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Extreme Heat

62%

805,422

Buildings Exposed: **63%**

Critical Infrastructure Exposed: **78%**



Coastal Flood

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Bushfire

1%

11,909

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **8%**



Drought

69%

898,516

Buildings Exposed: **72%**

Critical Infrastructure Exposed: **82%**



Riverine Flood

<1%

935

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **5%**



Landslide

<1%

4,686

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **<1%**



Malaria

16%

210,526

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **4%**



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 16 REGIONS

SCORE: 0.463

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



VULNERABILITY (V)

RANK: 4 / 16 REGIONS ASSESSED
SCORE: 0.576

Vulnerability in Upper East is primarily driven by Economic Constraints and Information Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0 1 **SCORE: 0.643** **RANK: 6/16 REGIONS ASSESSED**

52.0% Adult Illiteracy Rate	46.5% Residential Access to Education (within residential cluster)	86.7% Primary School Net Attendance Ratio	39.3% Radio Access (population 15-49)	39.0% Television Access (population 15-49)	49.6% Population without Internet Access (12 and older)
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Clean Water Access Vulnerability

0 1 **SCORE: 0.572** **RANK: 6/16 REGIONS ASSESSED**

17.3% Household Water Source Over 30 Minutes Away	3.5% Households Using Unimproved Water Source	4.7% Households Using Unimproved Toilet Facility	68.4% Prevalence of Open Defecation	85.6% Household Wastewater Disposed to Ground
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Vulnerable Health Status

0 1 **SCORE: 0.456** **RANK: 6/16 REGIONS ASSESSED**

36 Infant Mortality Rate (per 1,000 live births)	21.1% Prevalence of Stunting (children under 5)	9.0% Prevalence of Disability	465.1 Maternal Mortality Ratio (per 100,000 live births)	1.3% Prevalence of ARI Symptoms (children 6-59 months)	9.1% Prevalence of Diarrhea (children 6-59 months)	21.1% Prevalence of Anemia (children 6-59 months)	0.8% Medically Underserved Homes (>5 km from health facility)
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Gender Inequality

0 1 **SCORE: 0.315** **RANK: 11/16 REGIONS ASSESSED**

14.8% Unmet Need for Family Planning	8.2% Teenage Pregnancy (women aged 15-19 ever pregnant)	29.5% Prevalence of Domestic Abuse (women 15-49)	0.21 Female to Male Home Ownership (distance from parity)	0.45 Female to Male Land Ownership (distance from parity)	0.20 Female to Male Completion of Secondary Education (distance from parity)	0.2 Female to Male Earnings (distance from parity)	0.25 Female to Male Literacy Rate (distance from parity)
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VULNERABILITY (V)

RANK: 4 / 16 REGIONS ASSESSED
SCORE: 0.576



Population Pressures

0  1 **SCORE: 0.593** **RANK: 4/16 REGIONS ASSESSED**

2.0%

Average Annual Total Population Change, 2010 to 2021

4.6%

Average Annual Urban Population Change, 2010 to 2021

37.1%

Youth Bulge (youth (15-24) as a percentage of to working age population (15-64))

49.5%

Prevalence of Food Insecurity

4.84

Conflict per 100,000 Persons

21.6%

Youth Not in Employment, Education, or Training (NEET)



Economic Constraints

0  1 **SCORE: 0.875** **RANK: 2/16 REGIONS ASSESSED**

78.2

Economic Dependency Ratio

43.0%

Poverty Incidence

44.3

Poverty Intensity

21.1%

Unemployment Rate



COPING CAPACITY (CC)

RANK: 12 / 16 REGIONS ASSESSED
SCORE: 0.328

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



Economic Capacity

0  1 **SCORE: 0.175** **RANK: 15/16 REGIONS ASSESSED**

5.4% Population in Highest National Wealth Quintile	8.30 Average Hourly Earnings (Cedis)	42.0% Labor Force Participation (15 and older)	39.5% Average Regional Inflation	13.8% Residential Access to Financial Institution (within residential cluster)
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Transportation Capacity

0  1 **SCORE: 0.368** **RANK: 9/16 REGIONS ASSESSED**

0.74 Road Density (km of road per sq. km)	60.02 Average Distance to Nearest Port or Airport (km)
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Health Care Capacity

0  1 **SCORE: 0.514** **RANK: 5/16 REGIONS ASSESSED**

70.4% Basic Antigen Vaccination Rate (children 12-23 months)	86.4% Health Insurance Coverage	12.78 Hospital Beds per 10,000 Persons	68.4% Residential Access to Any Health Facility (within residential cluster)	8.5% Residential Access to Hospital (within residential cluster)	47% Services for Chronic Noncommunicable Disease (% of health facilities)	0.46 General Health Service Readiness Index
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COPING CAPACITY (CC)

RANK: 12 / 16 REGIONS ASSESSED
SCORE: 0.328



Communications Capacity

0  1 **SCORE: 0.276** **RANK: 12/16 REGIONS ASSESSED**

69.8% **51.4%**
Mobile Phone Ownership Smartphone Ownership



Emergency Service Capacity

0  1 **SCORE: 0.561** **RANK: 4/16 REGIONS ASSESSED**

14.27 Average Distance to Fire Station (km)	8.1% Residential Access to Police Station (within residential cluster)	54.8% Residential Structures within 5km of Police Station	78% Health Facilities with Emergency Services	33% Health Facilities with Emergency Transportation
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Energy Capacity

0  1 **SCORE: 0.075** **RANK: 15/16 REGIONS ASSESSED**

13.8% **57.0%**
Household Access to LPG for Cooking Household Access to Electricity for Lighting



RESILIENCE (R)

RANK: 12 / 16 REGIONS ASSESSED
SCORE: 0.376

Upper East's score and ranking are due to High Vulnerability combined with Low Coping Capacity scores.

KEY FACTORS INFLUENCING RESILIENCE:



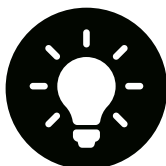
Economic Constraints

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.



Information Access Vulnerability

Limitations in information access can impede a population's ability to receive, understand, and take action. Emergency messages must take into account the unique information access constraints of the region. Emergency messages presented to the population must contain clear and simple information to ensure an appropriate response to save lives and reduce losses.



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.



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)



Sea Level Rise

RANK: 6 / 16 REGIONS ASSESSED
SCORE: 0.000



Coastal Flood

RANK: 6 / 16 REGIONS ASSESSED
SCORE: 0.000



Drought

RANK: 1 / 16 REGIONS ASSESSED
SCORE: 0.674



Landslide

RANK: 13 / 16 REGIONS ASSESSED
SCORE: 0.090



Extreme Heat

RANK: 2 / 16 REGIONS ASSESSED
SCORE: 0.627



Bushfire

RANK: 8 / 16 REGIONS ASSESSED
SCORE: 0.221



Riverine Flood

RANK: 13 / 16 REGIONS ASSESSED
SCORE: 0.188



Malaria

RANK: 10 / 16 REGIONS ASSESSED
SCORE: 0.323



Earthquake

RANK: 6 / 16 REGIONS ASSESSED
SCORE: 0.000



MULTI-HAZARD RISK (MHR)

4 / 16

RANK AMONG REGIONS
Score: 0.57



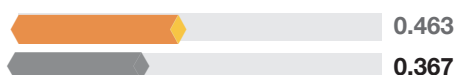
Upper East's score and ranking are due to High Multi-Hazard Exposure combined with High Vulnerability and Low Coping Capacity scores.

Multi-Hazard Risk component scores compared to overall average country scores:

▬ ▬ REGIONS SCORE
▬ COUNTRY SCORE



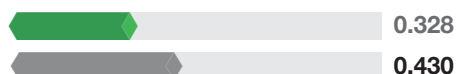
Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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