

NDPBA

GHANA REGION RISK PROFILES

SUBNATIONAL ASSESSMENT RESULTS



NDPBA SUBNATIONAL PROFILE



GHANA AHAFO

CAPITAL: GOASO

Area: 5,193 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Very Low

Score: 0.314 • Rank: 14/16



Population (2021 Census)

564,668



RESILIENCE (R)

Moderate

Score: 0.552 • Rank: 7/16



Poverty Rate

24.7%



MULTI-HAZARD EXPOSURE (MHE)

Verv Low

Score: 0.047 • Rank: 15/16



Food Insecurity

18.0%



VULNERABILITY (V)

Moderate

Score: 0.365 • Rank: 9/16



Infant Mortality Rate (per 1,000 live births)

17



COPING CAPACITY (CC)

Moderate

Score: 0.470 • Rank: 8/16



Adult Illiteracy Rate

27.8%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 15 / 16 REGIONS ASSESSED

SCORE: 0.047



MHE 0.047

Raw MHE 0.000

Relative MHE 0.094

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

0%

2

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

<1%

~ 763

Buildings Exposed: <1%

Critical Infrastructure Exposed: 1%



Drought

0%

a 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Riverine Flood

<1%

& 814

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



Landslide

1%

~ 7,440

Buildings Exposed: 1%

Critical Infrastructure Exposed: <1



Malaria

30%

171,949

Buildings Exposed: 36%

Critical Infrastructure Exposed: **18%**



MULTI-HAZARD EXPOSURE (MHE)

RANK: 15 / 16 REGIONS

SCORE: 0.047

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 9 / 16 REGIONS ASSESSED

SCORE: 0.365

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



Information Access Vulnerability

Adult Illiteracy

Residential Access to Education (within residential cluster)

67.8%

77.7%

Primary School Net Attendance Ratio

43.8% 43.5%

SCORE: 0.434

15-49)

Radio Access Television (population Access (population 15-49)

27.2%

RANK: 8/16 REGIONS ASSESSED

Population without Internet Access (12 and older)



Clean Water Access Vulnerability

1 **SCORE: 0.318**

6.8%

27.8%

Rate

Household Water Source Over 30 Minutes Away 9.3%

Households Using Unimproved Water Source 3.0% Households

Using Unimproved Toilet Facility 7.1%

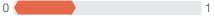
Prevalence of Open Defecation

86.2%

Household Wastewater Disposed to Ground



Vulnerable Health Status



1 SCORE: 0.303

RANK: 10/16 REGIONS ASSESSED

RANK: 10/16 REGIONS ASSESSED

17

Infant Mortality Rate (per 1,000 live births)

16.5%

Prevalence of Stunting (children under 7.7%

Prevalence of Disability

329.3

Maternal Mortality Ratio (per 100,000 live births)

3.4%

Prevalence of **ARI Symptoms** (children 6-59 months)

9.6% 16.5%

Prevalence Prevalence of Diarrhea of Anemia (children 6-59 (children 6-59 months) months)

4.5%

Medically Underserved Homes (>5 km from health facility)



Gender Inequality



17.8%

Unmet Need for Family Planning

13.4%

Teenage Pregnancy (women aged 15-19 ever pregnant)

38.5%

Prevalence of Domestic Abuse (women 15-49)

0.05 Female to Male Home Ownership (distance from parity)

SCORE: 0.407

0.44 Female to Male Land Ownership (distance from parity)

0.24

Female to Male Completion of Secondary Education (distance from parity)

RANK: 6/16 REGIONS ASSESSED

0.33

Female to Male Earnings (distance from parity)

0.15

Female to Male Literacy Rate (distance from parity)



RANK: 9 / 16 REGIONS ASSESSED

SCORE: 0.365



Population Pressures

to 2021

1 SCORE: 0.305

2.48

100,000

Persons

Conflict per

RANK: 11/16 REGIONS ASSESSED

1.4%

Average Annual Total Population Change, 2010 to 2021

4.1%

Youth Bulge Average (youth Annual Urban (15-24) as a Population percentage Change, 2010 of to working age population

34.6%

(15-64))

18.0%

Prevalence of Food Insecurity

18.5%

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



Economic Constraints

1 SCORE: 0.422

RANK: 7/16 REGIONS ASSESSED

67.1

Economic Dependency Ratio

24.7%

Poverty Incidence

43.4 Poverty Intensity 11.9%

Unemployment Rate



COPING CAPACITY (CC)

RANK: 8 / 16 REGIONS ASSESSED

SCORE: 0.470

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



Economic Capacity



4.8% Population in Highest National Wealth Quintile

8.10 Average Hourly Earnings (Cedis)

60.1% Labor Force Participation (15 and older)

30.2% Average Regional Inflation

SCORE: 0.489

24.4% Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

49.89

SCORE: 0.409

RANK: 5/16 REGIONS ASSESSED

RANK: 4/16 REGIONS ASSESSED

0.71

Road Density (km of road per sq. km)

Average Distance to Nearest Port or Airport (km)



Health Care Capacity



SCORE: 0.423

RANK: 7/16 REGIONS ASSESSED

70.8%

Basic Antigen Vaccination Rate (children 12-23 months) 78.1%

Health Insurance Coverage

9.24 Hospital Beds per 10,000

Persons

60.0% Residential Access to Any Health Facility (within residential

cluster)

9.4% Residential Access to

Hospital (within residential cluster)

56% Services for Chronic Noncommunicable Disease (% of health

faciities)

0.46 General Health Service Readiness Index



COPING CAPACITY (CC)

RANK: 8 / 16 REGIONS ASSESSED

SCORE: 0.470



Communications Capacity

1 SCORE: 0.704

RANK: 7/16 REGIONS ASSESSED

84.1% Mobile Phone Ownership **73.4%**Smartphone
Ownership



Emergency Service Capacity

0

SCORE: 0.423 RANK: 8/16 REGIONS ASSESSED

11.62

Average Distance to Fire Station (km) 18.9%

Residential Access to Police Station (within residential cluster) 43.4% Residential

1

Structures within 5km of Police Station 189

Health Health Facilities with Emergency Em Services Train

26%

18% Health Facilities with Emergency Transportation



Energy Capacity

20.5%

76.0%

Household Access to LPG for Cooking Household Access to Electricity for Lighting SCORE: 0.370 RANK: 8/16 REGIONS ASSESSED



RANK: 7 / 16 REGIONS ASSESSED

SCORE: 0.552

Ahafo's score and ranking are due to Moderate Vulnerability combined with Moderate Coping Capacity scores.

KEY FACTORS INFLUENCING RESILIENCE:



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.



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.



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.



Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



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: 12 / 16 REGIONS ASSESSED SCORE: 0.000

Landslide RANK: 11 / 16 REGIONS ASSESSED SCORE: 0.113

Extreme Heat

RANK: 15 / 16 REGIONS ASSESSED SCORE: 0.000

Bushfire RANK: 12 / 16 REGIONS ASSESSED SCORE: 0.063

Riverine Flood

RANK: 16 / 16 REGIONS ASSESSED

SCORE: 0.033

Malaria

RANK: 9 / 16 REGIONS ASSESSED

SCORE: 0.356

Earthquake RANK: 6 / 16 REGIONS ASSESSED SCORE: 0.000



MULTI-HAZARD RISK (MHR)

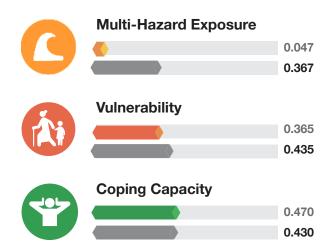


14 / 16 RANK AMONG REGIONS Score: 0.314

Ahafo's score and ranking are due to Very Low Multi-Hazard Exposure combined with Moderate Vulnerability and Moderate Coping Capacity scores.

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







Better solutions. Fewer disasters.

Safer World.

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ASHANTI

NDPBA SUBNATIONAL PROFILE



GHANA ASHANTI

CAPITAL: KUMASI

Area: 24,389 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Very Low

Score: 0.208 • Rank: 16/16



Population (2021 Census)

5,440,463



RESILIENCE (R)

Very High

Score: 0.694 • Rank: 2/16



Poverty Rate

18.3%



MULTI-HAZARD EXPOSURE (MHE)

Verv Low

Score: 0.012 • Rank: 16/16



Food Insecurity

6.9%



VULNERABILITY (V)

Very Low

Score: 0.249 • Rank: 15/16



Infant Mortality Rate (per

1,000 live births)

34



COPING CAPACITY (CC)

Very High

Score: 0.636 • Rank: 2/16



Adult Illiteracy Rate

20.3%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 16 / 16 REGIONS ASSESSED

SCORE: 0.012

MHE 0.012

Raw MHE 0.016

Relative MHE 0.008

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

<1%

648

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

1%

37,800

Buildings Exposed: 1%

Critical Infrastructure Exposed: 6%



Drought

0%

a 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Riverine Flood

<1%

12,703

Buildings Exposed: <1%

Critical Infrastructure Exposed: 11%



Landslide

4%

207,731

Buildings Exposed: 5%

Critical Infrastructure Exposed: 6%



Malaria

1%

49,195

Buildings Exposed: 1%

Critical Infrastructure Exposed: 1%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 16 / 16 REGIONS

SCORE: 0.012

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

≗ 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 15 / 16 REGIONS ASSESSED

SCORE: 0.249

Vulnerability in Ashanti is primarily driven by Vulnerable Health Status and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

Residential Access to Education (within residential cluster)

77.3%

86.7% Primary School Net Attendance Ratio

50.2% Radio Access (population 15-49)

SCORE: 0.213

63.8% Television Access (population 15-49)

19.2% Population without Internet Access (12 and older)

RANK: 13/16 REGIONS ASSESSED



Clean Water Access Vulnerability

1 **SCORE: 0.118 RANK: 15/16 REGIONS ASSESSED**

2.5%

20.3%

Rate

Adult Illiteracy

Household Water Source Over 30 Minutes Away 3.6% Households Using

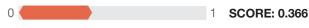
1.3% Households Using Unimproved Unimproved Toilet Facility Water Source

7.3% Prevalence of Open Defecation

63.7% Household Wastewater Disposed to Ground



Vulnerable Health Status



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

17.2% Prevalence of Stunting (children under 7.6% Prevalence of Disability

296.9 Maternal Mortality Ratio (per 100,000 live births)

1.4% Prevalence of **ARI Symptoms** (children 6-59 months)

16.0% Prevalence of Diarrhea (children 6-59 months)

RANK: 9/16 REGIONS ASSESSED

17.2% Prevalence of Anemia (children 6-59 months)

6.7% Medically Underserved Homes (>5 km from health facility)



Gender Inequality

14.2%

Unmet Need for Family Planning

23.9%

Teenage Pregnancy (women aged 15-19 ever pregnant)

24.1%

Prevalence of Domestic Abuse (women 15-49)

0.04

Female to Male Home Ownership (distance from parity)

SCORE: 0.212

0.42

Female to Male Land Ownership (distance from parity)

0.09 0.26

RANK: 14/16 REGIONS ASSESSED

Female to Male Completion of Secondary Education (distance from parity)

0.13

Female to Female to Male Literacy Male Earnings (distance from Rate (distance from parity) parity)



RANK: 15 / 16 REGIONS ASSESSED

SCORE: 0.249



Population Pressures

1.4%

1 SCORE: 0.270 **RANK: 12/16 REGIONS ASSESSED**

1.2%

Average Annual Total Population Change, 2010 to 2021

Youth Bulge Average (youth Annual Urban (15-24) as a Population percentage Change, 2010 of to working age population to 2021

6.9% Prevalence

3.93 Conflict per of Food 100,000 Insecurity Persons

22.2%Youth Not in

Employment, Education, or Training (NEET)



Economic Constraints

1 SCORE: 0.315 RANK: 13/16 REGIONS ASSESSED

62.9

Economic Dependency Ratio

18.3%

Poverty Incidence

43.6 Poverty Intensity

34.7%

(15-64))

13.1% Unemployment Rate



COPING CAPACITY (CC)

RANK: 2 / 16 REGIONS ASSESSED

SCORE: 0.636

Ashanti exhibits weaker Coping Capacity in the areas of Transportation Capacity and Health Care Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0

25.5%
Population
in Highest
National Wealth
Quintile

9.10 Average Hourly Earnings (Cedis) **59.2%**Labor Force
Participation
(15 and older)

29.3% Average Regional Inflation

SCORE: 0.626

27.4%
Residential
Access to
Financial
Institution
(within
residential
cluster)



Transportation Capacity

0 1

SCORE: 0.504

RANK: 2/16 REGIONS ASSESSED

RANK: 2/16 REGIONS ASSESSED

0.88

Road Density (km of road per sq. km) 31.85
Average
Distance to
Nearest Port
or Airport (km)



Health Care Capacity

0

SCORE: 0.525

RANK: 4/16 REGIONS ASSESSED

80.3%

Basic Antigen Vaccination Rate (children 12-23 months) 71.9%

Health Insurance Coverage 6.82

Hospital Beds per 10,000 Persons **54.5%** Residential

Access to Any Health Facility (within residential cluster) 16.2%

Residential Access to Hospital (within residential cluster) 70%

Services for Chronic Noncommunicable Disease (% of health faciities) **0.63**General
Health Service
Readiness
Index



COPING CAPACITY (CC)

RANK: 2 / 16 REGIONS ASSESSED

SCORE: 0.636



Communications Capacity

1 SCORE: 0.854

RANK: 2/16 REGIONS ASSESSED

88.9% Mobile Phone Ownership 81.4% Smartphone Ownership



Emergency Service Capacity

SCORE: 0.640

RANK: 2/16 REGIONS ASSESSED

RANK: 4/16 REGIONS ASSESSED

15

Average Distance to Fire Station (km) 17.5% Residential Access

Access Structures within 5km of Station (within residential cluster)

58.1%
Residential
Structures
within 5km of

55% Health Facilities with Emergency Services

SCORE: 0.668

47%
Health
Facilities with
Emergency
Transportation



Energy Capacity

38.1% 88.5%

Household Access to LPG for Cooking Household Access to Electricity for Lighting



RANK: 2 / 16 REGIONS ASSESSED

SCORE: 0.694

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

KEY FACTORS INFLUENCING RESILIENCE:



Vulnerable Health Status

A population with a compromised health status will have a greatly reduced ability to manage short- and long-term disaster outcomes. Improving health is often correlated with decreased susceptibility to injury, disease, and stress associated with disasters. Acute or prolonged vulnerable health status limits the basic capacity of response functions.



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.



Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.



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: 12 / 16 REGIONS ASSESSED SCORE: 0.000

Landslide RANK: 5 / 16 REGIONS ASSESSED SCORE: 0.311

Extreme Heat

RANK: 14 / 16 REGIONS ASSESSED SCORE: 0.018

Bushfire RANK: 11 / 16 REGIONS ASSESSED SCORE: 0.157

Riverine Flood
RANK: 10 / 16 REGIONS ASSESSED
SCORE: 0.207

Malaria RANK: 12 / 16 REGIONS ASSESSED SCORE: 0.097

Earthquake RANK: 6 / 16 REGIONS ASSESSED SCORE: 0.000



MULTI-HAZARD RISK (MHR)

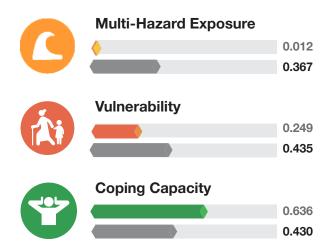


16 / 16 RANK AMONG REGIONS Score: 0.208

Ashanti's score and ranking are due to Very Low 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:







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GHANA — BONO

NDPBA SUBNATIONAL PROFILE



GHANA BONO

CAPITAL: SUNYANI

Area: 11,481 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Very Low

Score: 0.285 • Rank: 15/16



Population (2021 Census)

1,208,649



RESILIENCE (R)

Very High

Score: 0.635 • Rank: 3/16



Poverty Rate

17.1%



MULTI-HAZARD EXPOSURE (MHE)

Verv Low

Score: 0.125 • Rank: 14/16



Food Insecurity

13.0%



VULNERABILITY (V)

Low

Score: 0.273 • Rank: 12/16



Infant Mortality Rate (per 1,000 live births)

24



COPING CAPACITY (CC)

Very High

Score: 0.544 • Rank: 3/16



Adult Illiteracy Rate

26.3%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 14 / 16 REGIONS ASSESSED

SCORE: 0.125



MHE 0.125

Raw MHE 0.026

Relative MHE 0.224

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

0%

2

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

5%

\$ 54,800

Buildings Exposed: 4%

Critical Infrastructure Exposed: 21%



Drought

0%

a 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Riverine Flood

<1%

\$ 949

Buildings Exposed: <1%

Critical Infrastructure Exposed: 22%



Landslide

<1%

4,839

Buildings Exposed: 1%

Critical Infrastructure Exposed: 11%



Malaria

36%

432,241

Buildings Exposed: 33%

Critical Infrastructure Exposed: **39%**



MULTI-HAZARD EXPOSURE (MHE)

RANK: 14 / 16 REGIONS

SCORE: 0.125

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 12 / 16 REGIONS ASSESSED

SCORE: 0.273

Vulnerability in Bono is primarily driven by Population Pressures and Information Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

Residential Access to Education (within residential

cluster)

70.1%

85.4% Primary School Net Attendance Ratio

43.8% Radio Access (population 15-49)

SCORE: 0.311

63.8% Television Access (population 15-49)

25.1% Population without Internet Access (12 and older)

RANK: 10/16 REGIONS ASSESSED

RANK: 12/16 REGIONS ASSESSED



Clean Water Access Vulnerability

1 SCORE: 0.241

4.9% Household

26.3%

Rate

Adult Illiteracy

Water Source Over 30 Minutes Away 2.5% Households Using Unimproved

1.6% Households Using Unimproved Toilet Facility Water Source

11.0% Prevalence of Open

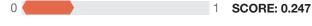
Defecation

85.1%

Household Wastewater Disposed to Ground



Vulnerable Health Status



24 Infant Mortality Rate (per 1,000

live births)

17.0% Prevalence of Stunting (children under 6.3% Prevalence of Disability

326.2 Maternal Mortality Ratio (per 100,000 live births)

1.0% Prevalence of **ARI Symptoms** (children 6-59 months)

8.1% Prevalence of Diarrhea (children 6-59 months)

RANK: 12/16 REGIONS ASSESSED

17.0% Prevalence of Anemia (children 6-59 months)

8.5% Medically Underserved Homes (>5 km from health facility)



Gender Inequality

15.8% **Unmet Need** for Family Planning

8.3% Teenage

Pregnancy (women aged 15-19 ever pregnant)

18.3%

Prevalence of Domestic Abuse (women 15-49)

0.37

Female to Male Home Ownership (distance from parity)

SCORE: 0.206

0.36

Female to Male Land Ownership (distance from parity)

0.11 Female

to Male Completion of Secondary Education (distance from parity)

RANK: 15/16 REGIONS ASSESSED

0.28 Female to

Male Earnings (distance from parity)

0.15 Female to Male Literacy Rate (distance from parity)



RANK: 12 / 16 REGIONS ASSESSED

SCORE: 0.273



Population Pressures

0

1 SCORE: 0.331

of Food

Insecurity

RANK: 10/16 REGIONS ASSESSED

2.5%

Average Annual Total Population Change, 2010 to 2021 4.3%

Average Annual Urban Population Change, 2010 to 2021 34.9%

Youth Bulge (youth (15-24) as a percentage of to working age population (15-64)) 13.0% 1.90 Conflict

Conflict per 100,000 Persons **16.7%**

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



Economic Constraints

0

1 SCORE: 0.303

RANK: 14/16 REGIONS ASSESSED

63.2

Economic Dependency Ratio 17.1%

Poverty Incidence **43.3**Poverty
Intensity

13.8% Unemployn

Unemployment Rate



COPING CAPACITY (CC)

RANK: 3 / 16 REGIONS ASSESSED

SCORE: 0.544

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



Economic Capacity



7.10

14.3%

Population Average in Highest Hourly National Wealth Earnings Quintile (Cedis)

57.7%

Labor Force Participation (15 and older)

SCORE: 0.373

40.5% Average Regional Inflation 28.4%

Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

0 1

SCORE: 0.445

RANK: 4/16 REGIONS ASSESSED

RANK: 9/16 REGIONS ASSESSED

0.64

Road Density (km of road per sq. km) 39.77
Average
Distance to
Nearest Port
or Airport (km)



Health Care Capacity



SCORE: 0.579 RAN

RANK: 2/16 REGIONS ASSESSED

75.3%

Basic Antigen Vaccination Rate (children 12-23 months) 85.8%

Health Insurance Coverage 13

Hospital Beds per 10,000 Persons 62.4%

Residential Access to Any Health Facility (within residential cluster) 9.3%

Residential Access to Hospital (within residential cluster) 56%

Services for Chronic Noncommunicable Disease (% of health faciities) **0.55**General
Health Service
Readiness

Index



COPING CAPACITY (CC)

RANK: 3 / 16 REGIONS ASSESSED

SCORE: 0.544



Communications Capacity

1 SCORE: 0.737

RANK: 6/16 REGIONS ASSESSED

85.0% Mobile Phone Ownership

75.4% Smartphone Ownership



Emergency Service Capacity

SCORE: 0.583 1

Emergency

Services

RANK: 3/16 REGIONS ASSESSED

27.53 Average

Fire Station (km)

17.3% Residential Access

to Police Station (within residential cluster)

47.4% Residential

Structures within 5km of Police Station 87% Health Facilities with

44% Health Facilities with Emergency Transportation



Energy Capacity

27.9% 85.2%

Household

Household Access to LPG Access to for Cooking Electricity for Lighting

SCORE: 0.546 RANK: 7/16 REGIONS ASSESSED

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RANK: 3 / 16 REGIONS ASSESSED

SCORE: 0.635

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

KEY FACTORS INFLUENCING RESILIENCE:



Population Pressures

Rapid changes in population size and distribution can alter population vulnerability characteristics presenting planning challenges and destabilizing social, economic, and environmental systems. Increased population pressures require disaster managers to realign needs, institutional structures, and available resources to support delivery of basic resources before, during, and after an event.



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.



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.



Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



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: 12 / 16 REGIONS ASSESSED SCORE: 0.000

Landslide RANK: 8 / 16 REGIONS ASSESSED SCORE: 0.203

Extreme Heat

RANK: 15 / 16 REGIONS ASSESSED SCORE: 0.000

Bushfire RANK: 7 / 16 REGIONS ASSESSED SCORE: 0.283

Riverine Flood
RANK: 6 / 16 REGIONS ASSESSED
SCORE: 0.301

Malaria RANK: 8 / 16 REGIONS ASSESSED SCORE: 0.408

Earthquake RANK: 6 / 16 REGIONS ASSESSED SCORE: 0.000



MULTI-HAZARD RISK (MHR)

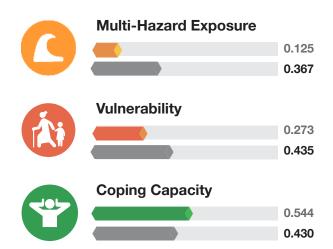


15 / 16 RANK AMONG REGIONS Score: 0.285

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

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







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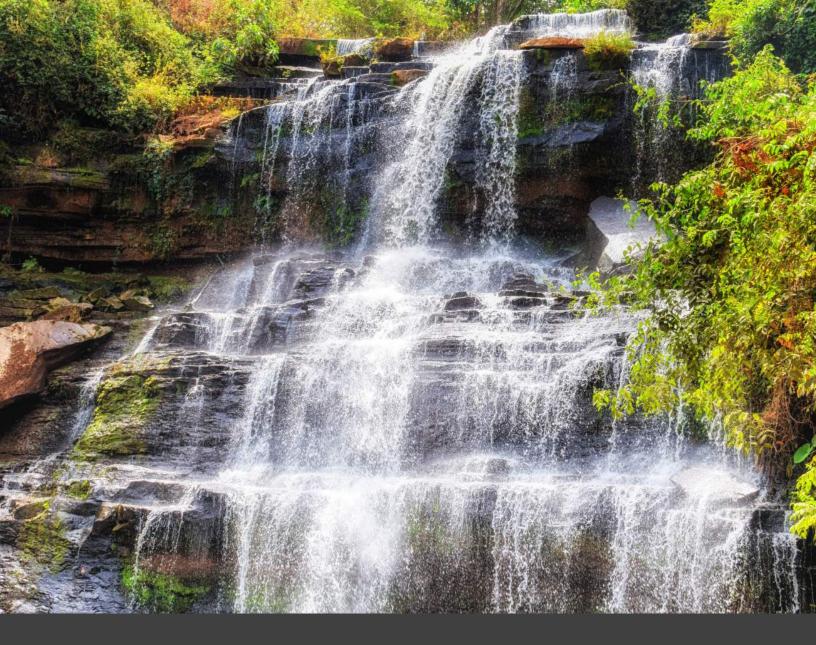
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GHANA —

BONO EAST

NDPBA SUBNATIONAL PROFILE



GHANA BONO EAST

CAPITAL: TECHIMAN

Area: 22,952 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Moderate

Score: 0.432 • Rank: 9/16



Population (2021 Census)

1,203,400



RESILIENCE (R)

Low

Score: 0.450 • Rank: 10/16



Poverty Rate

24.2%



MULTI-HAZARD EXPOSURE (MHE)

Verv Low

Score: 0.197 • Rank: 13/16



Food Insecurity

16.0%



VULNERABILITY (V)

Moderate

Score: 0.481 • Rank: 7/16



Infant Mortality Rate (per 1,000 live births)

36



COPING CAPACITY (CC)

Moderate

Score: 0.381 • Rank: 9/16



Adult Illiteracy Rate

40.5%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 13 / 16 REGIONS ASSESSED

SCORE: 0.197



MHE 0.197

Raw MHE 0.062

Relative MHE 0.332

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

26%

312,884

Buildings Exposed: 19%

Critical Infrastructure Exposed: 24%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

21%

247,649

Buildings Exposed: 18%

Critical Infrastructure Exposed: 28%



Drought

<1%

435

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



Riverine Flood

1%

8,146

Buildings Exposed: <1%

Critical Infrastructure Exposed: 10%



Landslide

1%

8,713

Buildings Exposed: 1%

Critical Infrastructure Exposed: <1%



Malaria

33%

398,219

Buildings Exposed: 33%

Critical Infrastructure Exposed: 22%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 13 / 16 REGIONS

SCORE: 0.197

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 7 / 16 REGIONS ASSESSED

SCORE: 0.481

Vulnerability in Bono East is primarily driven by Information Access Vulnerability and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

Adult Illiteracy Residential Access to Education (within

71.3% 46.5% Primary School Net Attendance Ratio residential cluster)

31.8% Radio Access (population 15-49)

SCORE: 0.644

49.2% Television Access (population 15-49)

38.4% Population without Internet Access (12 and older)

RANK: 5/16 REGIONS ASSESSED

RANK: 8/16 REGIONS ASSESSED



Clean Water Access Vulnerability

1 **SCORE: 0.487**

11.3%

40.5%

Rate

Household Water Source Over 30 Minutes Away 16.6%

Households Using Unimproved Water Source

1.8% Households

Using Unimproved Toilet Facility

Prevalence of

Disability

35.5%

Prevalence of Open Defecation

89.3%

Household Wastewater Disposed to Ground



Vulnerable Health Status



6.2%

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

13.9% Prevalence

of Stunting (children under

297.2 Maternal Mortality Ratio (per 100,000 live births)

2.7%

Prevalence of **ARI Symptoms** (children 6-59 months)

15.3%

Prevalence of Diarrhea (children 6-59 months)

RANK: 8/16 REGIONS ASSESSED

29.8%

Medically Underserved Homes (>5 km from health facility)



Gender Inequality



21.8%

Unmet Need for Family Planning

22.3%

Teenage Pregnancy (women aged 15-19 ever pregnant)

24.6%

Prevalence of Domestic Abuse (women 15-49)

0.4

Female to Male Home Ownership (distance from parity)

SCORE: 0.571

0.67

Female to Male Land Ownership (distance from parity)

0.24

Female to Male Completion of Secondary Education (distance from parity)

RANK: 4/16 REGIONS ASSESSED

0.45

13.9%

Prevalence

of Anemia

months)

(children 6-59

Female to Male Earnings (distance from parity)

0.19

Female to Male Literacy Rate (distance from parity)



RANK: 7 / 16 REGIONS ASSESSED

SCORE: 0.481



Population Pressures

1 SCORE: 0.369

RANK: 9/16 REGIONS ASSESSED

2.7%

Average Annual Total Population Change, 2010 to 2021

7.0%

Average Annual Urban Population Change, 2010 to 2021

36.2%

16.0% Prevalence Youth Bulge (youth of Food (15-24) as a Insecurity percentage of to working age population (15-64))

1.58

Conflict per 100,000 Persons

9.4% Youth Not in Employment,

Education, or Training (NEET)



Economic Constraints

1 SCORE: 0.405

RANK: 9/16 REGIONS ASSESSED

71.9

Economic Dependency Ratio

24.2%

Poverty Incidence

44.4 Poverty Intensity 11.2%

Unemployment Rate



COPING CAPACITY (CC)

RANK: 9 / 16 REGIONS ASSESSED

RANK: 6/16 REGIONS ASSESSED

SCORE: 0.381

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



Economic Capacity

0

6.2%Population
in Highest
National Wealth
Quintile

8.40 Average Hourly Earnings (Cedis) **61.3%**Labor Force Participation (15 and older)

35.9%Average
Regional
Inflation

SCORE: 0.424

18.9% Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

0 1

91.86

SCORE: 0.189 RANK: 12/16 REGIONS ASSESSED

0.31

Road Density (km of road per sq. km) Average Distance to Nearest Port or Airport (km)



Health Care Capacity

0

SCORE: 0.406 R

RANK: 9/16 REGIONS ASSESSED

77.8%

Basic Antigen Vaccination Rate (children 12-23 months) 78.6%

Health Insurance Coverage **10.04** Hospital Beds per 10,000

Persons

51.6%Residential
Access to
Any Health
Facility (within residential

cluster)

4.1%
Residential
Access to
Hospital
(within
residential
cluster)

48% Services for Chronic Noncommunicable Disease (% of health faciities) **0.49**General
Health Service
Readiness
Index



COPING CAPACITY (CC)

RANK: 9 / 16 REGIONS ASSESSED

SCORE: 0.381



Communications Capacity

1 SCORE: 0.483

RANK: 10/16 REGIONS ASSESSED

76.5%Mobile Phone Ownership

62.3%Smartphone Ownership



Emergency Service Capacity

1 SCORE: 0.441

RANK: 6/16 REGIONS ASSESSED

28.82

Average Distance to Fire Station (km) 13.5%

Residential Access to Police Station (within residential cluster) 28.2% Residential

Structures within 5km of Police Station 67% Health

Facilities with Emergency Services 48%

Health Facilities with Emergency Transportation



Energy Capacity

0

1 SCORE: 0.346

RANK: 10/16 REGIONS ASSESSED

16.7%

Household Access to LPG for Cooking 76.4% Household Access to Electricity for Lighting



RANK: 10 / 16 REGIONS ASSESSED

SCORE: 0.450

Bono East's score and ranking are due to Moderate Vulnerability combined with Moderate Coping Capacity scores.

KEY FACTORS INFLUENCING RESILIENCE:



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.



Gender Inequality

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 in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.



Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



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)

	Sea Level Rise	RANK: 6 / 16 REGIONS ASSESSED SCORE: 0.000
	Coastal Flood	RANK: 6 / 16 REGIONS ASSESSED SCORE: 0.000
	Drought ♦	RANK: 11 / 16 REGIONS ASSESSED SCORE: 0.009
MÈ	Landslide	RANK: 12 / 16 REGIONS ASSESSED SCORE: 0.093
	Extreme Heat	RANK: 7 / 16 REGIONS ASSESSED SCORE: 0.327
	Bushfire	RANK: 5 / 16 REGIONS ASSESSED SCORE: 0.515
	Riverine Flood	RANK: 8 / 16 REGIONS ASSESSED SCORE: 0.254
	Malaria	RANK: 4 / 16 REGIONS ASSESSED SCORE: 0.445
	Earthquake	RANK: 6 / 16 REGIONS ASSESSED

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SCORE: 0.000



MULTI-HAZARD RISK (MHR)

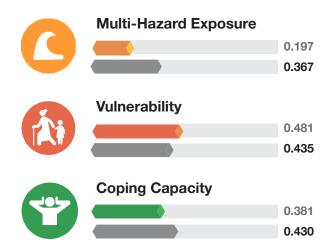


9 / 16 RANK AMONG REGIONS Score: 0.432

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

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







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GHANA CENTRAL

NDPBA SUBNATIONAL PROFILE



GHANA CENTRAL

CAPITAL: CAPE COAST

Area: 9,826 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Low

Score: 0.416 • Rank: 10/16



Population (2021 Census)

2,859,821



RESILIENCE (R)

High

Score: 0.608 • Rank: 6/16



Poverty Rate

22.5%



MULTI-HAZARD EXPOSURE (MHE)

High

Score: 0.465 • Rank: 4/16



Food Insecurity

3.6%



VULNERABILITY (V)

Low

Score: 0.317 • Rank: 11/16



Infant Mortality Rate (per 1,000 live births)

34



COPING CAPACITY (CC)

High

Score: 0.534 • Rank: 4/16



Adult Illiteracy Rate

22.7%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 16 REGIONS ASSESSED

SCORE: 0.465



MHE 0.465

Raw MHE 0.334

Relative MHE 0.596

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

<1%

6,564

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



Extreme Heat

1%

24,603

Buildings Exposed: 1%

Critical Infrastructure Exposed: 1%



Coastal Flood

1%

19,084

Buildings Exposed: 1%

Critical Infrastructure Exposed: <1%



Bushfire

<1%

4 667

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



Drought

34%

\$ 972,949

Buildings Exposed: 36%

Critical Infrastructure Exposed: 47%



Riverine Flood

2%

63,395

Buildings Exposed: 2%

Critical Infrastructure Exposed: 2%



Landslide

1%

30,340

Buildings Exposed: 1%

Critical Infrastructure Exposed: 1%



Malaria

0%

5,770

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 16 REGIONS

SCORE: 0.465

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

88%

2,509,099

Buildings Exposed: 86%

Critical Infrastructure Exposed: 92%



VULNERABILITY (V)

RANK: 11 / 16 REGIONS ASSESSED

SCORE: 0.317

Vulnerability in Central is primarily driven by Vulnerable Health Status and Population Pressures. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

Adult Illiteracy Rate

22.7%

85.2% Residential Access to Education (within residential cluster)

86.1% Primary School Net Attendance Ratio

46.8% Radio Access (population 15-49)

SCORE: 0.216

69.5% Television Access (population 15-49)

24.0% Population without Internet Access (12 and older)

RANK: 12/16 REGIONS ASSESSED



Clean Water Access Vulnerability

1 **SCORE: 0.210 RANK: 14/16 REGIONS ASSESSED**

2.1%

Household Water Source Over 30 Minutes Away 4.6%

Households Using Unimproved Water Source 2.0% Households

Using Unimproved Toilet Facility 11.7%

Prevalence of Open Defecation

77.3%

Household Wastewater Disposed to Ground



Vulnerable Health Status



1 SCORE: 0.417

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

16.5% Prevalence of Stunting (children under 9.0% Prevalence of

318.9 Maternal Disability Mortality Ratio (per 100,000

live births)

3.1% Prevalence of **ARI Symptoms** (children 6-59 months)

15.3% Prevalence of Diarrhea (children 6-59 months)

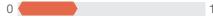
RANK: 7/16 REGIONS ASSESSED

16.5% Prevalence of Anemia (children 6-59 months)

1.1% Medically Underserved Homes (>5 km from health facility)



Gender Inequality



13.9%

Unmet Need for Family Planning

12.9%

Teenage Pregnancy (women aged 15-19 ever pregnant)

34.8%

Prevalence of Domestic Abuse (women 15-49)

0.27

Female to Male Home Ownership (distance from parity)

SCORE: 0.289

0.34

Female to Male Land Ownership (distance from parity)

0.21

Female to Male Completion of Secondary Education (distance from parity)

RANK: 13/16 REGIONS ASSESSED

0.33

Female to Male Earnings (distance from parity)

0.16

Female to Male Literacy Rate (distance from parity)



RANK: 11 / 16 REGIONS ASSESSED

SCORE: 0.317



Population Pressures

5.4%

Average

to 2021

Population

1 SCORE: 0.405

RANK: 7/16 REGIONS ASSESSED

2.4%

Average Annual Total Population Change, 2010 to 2021

34.1% Youth Bulge (youth Annual Urban (15-24) as a percentage Change, 2010 of to working age population (15-64))

3.6% 4.44

Conflict per Prevalence of Food 100,000 Insecurity Persons

20.1%

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



Economic Constraints

1 SCORE: 0.366

RANK: 12/16 REGIONS ASSESSED

66.1

Economic Dependency Ratio

22.5%

Poverty Incidence

42.6 Poverty Intensity

13.3% Unemployment Rate



COPING CAPACITY (CC)

RANK: 4 / 16 REGIONS ASSESSED

SCORE: 0.534

Central exhibits weaker Coping Capacity in the areas of Health Care Capacity and Emergency Service Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

17.0% 7.80 Population

Average in Highest Hourly Earnings National Wealth Quintile (Cedis)

59.2%

Labor Force Participation (15 and older) 23.8%

Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

SCORE: 0.494

SCORE: 0.460

35.3%

Average

Regional

Inflation

RANK: 3/16 REGIONS ASSESSED

RANK: 5/16 REGIONS ASSESSED

1.07

Road Density (km of road per sq. km)

Average Distance to Nearest Port or Airport (km)

38.02



Health Care Capacity



SCORE: 0.357

RANK: 12/16 REGIONS ASSESSED

77.8%

Basic Antigen Vaccination Rate (children 12-23 months) 58.0%

Health Insurance Coverage

7.93 Hospital Beds per 10,000

Persons

64.1% Residential Access to Any Health Facility (within residential

cluster)

6.9% Residential Access to Hospital (within residential cluster)

51% Services for Chronic Noncommunicable Disease (% of health faciities)

0.49 General Health Service Readiness Index



COPING CAPACITY (CC)

RANK: 4 / 16 REGIONS ASSESSED

SCORE: 0.534



Communications Capacity

1 SCORE: 0.760

RANK: 4/16 REGIONS ASSESSED

85.9% Mobile Phone Ownership **76.4%**Smartphone
Ownership



Emergency Service Capacity

1 SCORE: 0.430

RANK: 7/16 REGIONS ASSESSED

26.63

Average Distance to Fire Station (km) 15.6%

Residential Access to Police Station (within residential cluster) 63.4% Residential

Structures within 5km of Police Station 75%

Health Facilities with Emergency Services 11%

Health Facilities with Emergency Transportation



Energy Capacity

37.1% 91.7%

Household Access to LPG for Cooking Household Access to Electricity for Lighting SCORE: 0.701 RANK: 2/16 REGIONS ASSESSED



RANK: 6 / 16 REGIONS ASSESSED

SCORE: 0.608

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

KEY FACTORS INFLUENCING RESILIENCE:



Vulnerable Health Status

A population with a compromised health status will have a greatly reduced ability to manage short- and long-term disaster outcomes. Improving health is often correlated with decreased susceptibility to injury, disease, and stress associated with disasters. Acute or prolonged vulnerable health status limits the basic capacity of response functions.



Population Pressures

Rapid changes in population size and distribution can alter population vulnerability characteristics presenting planning challenges and destabilizing social, economic, and environmental systems. Increased population pressures require disaster managers to realign needs, institutional structures, and available resources to support delivery of basic resources before, during, and after an event.



Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.

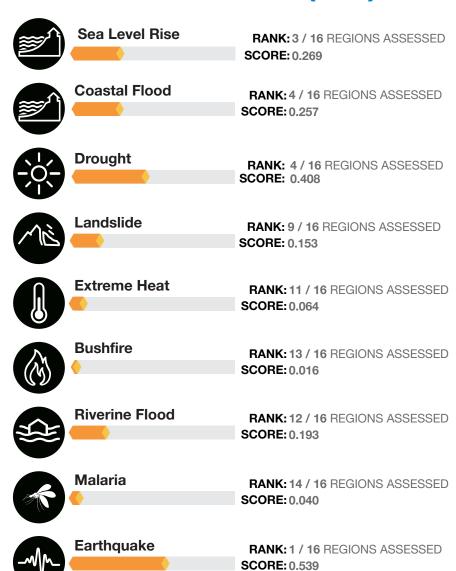


Emergency Service Capacity

Societies establish capacities to manage emergencies that scale from day-to-day events up to catastrophes that impact all of society. Establishing and maintaining a broad range of systems and resources to support emergency services will increase the capacity for disaster management and response.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

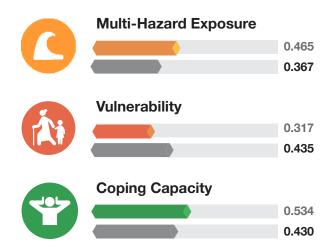


10 / 16 RANK AMONG REGIONS Score: 0.416

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

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







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GHANA EASTERN

NDPBA SUBNATIONAL PROFILE



GHANA EASTERN

CAPITAL: KOFORIDUA

Area: 19,323 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Low

Score: 0.392 • Rank: 11/16



Population (2021 Census)

2,925,653



RESILIENCE (R)

High

Score: 0.613 • Rank: 5/16



Poverty Rate

21.7%



MULTI-HAZARD EXPOSURE (MHE)

High

Score: 0.401 • Rank: 6/16



Food Insecurity

8.1%



VULNERABILITY (V)

Very Low

Score: 0.258 • Rank: 14/16



Infant Mortality Rate (per 1,000 live births)

26



COPING CAPACITY (CC)

High

Score: 0.484 • Rank: 6/16



Adult Illiteracy Rate

21.7%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 16 REGIONS ASSESSED

SCORE: 0.401



MHE 0.401

Raw MHE 0.267

Relative MHE 0.536

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

<1%

4 10

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

14%

413,647

Buildings Exposed: 10%

Critical Infrastructure Exposed: 29%



Coastal Flood

<1%

2 30

Buildings Exposed: <1%

Critical Infrastructure Exposed: 8%



Bushfire

2%

59,738

Buildings Exposed: 2%

Critical Infrastructure Exposed: 4%



Drought

2%

63,939

Buildings Exposed: 3%

Critical Infrastructure Exposed: 2%



Riverine Flood

2%

45,115

Buildings Exposed: 2%

Critical Infrastructure Exposed: 24%



Landslide

12%

359,654

Buildings Exposed: 15%

Critical Infrastructure Exposed: 19%



Malaria

1%

26,455

Buildings Exposed: 1%

Critical Infrastructure Exposed: <1%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 16 REGIONS

SCORE: 0.401

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

66%

1,929,125

Buildings Exposed: 71%

Critical Infrastructure Exposed: 76%



VULNERABILITY (V)

RANK: 14 / 16 REGIONS ASSESSED

SCORE: 0.258

Vulnerability in Eastern is primarily driven by Gender Inequality and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0 1

SCORE: 0.205 RANK: 14/16 REGIONS ASSESSED

21.7%

Adult Illiteracy Rate 79.6%
Residential Access to Education (within residential

cluster)

87.5% Primary School Net Attendance Ratio 47.0% Radio Access (population 15-49) **73.6%**Television
Access
(population
15-49)

79.4%

23.5% Population without Internet Access (12 and older)



Clean Water Access Vulnerability

1

SCORE: 0.265

RANK: 11/16 REGIONS ASSESSED

3.7%

Household Water Source Over 30 Minutes Away 10.0%

Households Using Unimproved Water Source 2.3% Households

Using Unimproved Toilet Facility 8.9%

Prevalence Household of Open Wastewater Defecation Disposed to Ground



Vulnerable Health Status



1 SCORE: 0.219 RANK: 14/16 REGIONS ASSESSED

26

Infant Mortality Rate (per 1,000 live births) 10.4%

Prevalence of Stunting (children under 9.7% 317.6 Prevalence of Maternal

Maternal Mortality Ratio (per 100,000 live births) 1.0%

Prevalence of ARI Symptoms (children 6-59 months) 9.2%

Prevalence of Diarrhea (children 6-59 months) 10.4%

Prevalence of Anemia (children 6-59 months) **2.2%**Medically
Underserved
Homes (>5 km
from health

facility)



Gender Inequality



18.2%

Unmet Need for Family Planning

13.7%

Teenage Pregnancy (women aged 15-19 ever pregnant) 27.0%

Disability

Prevalence of Domestic Abuse (women 15-49) 0.27

Female to Male Home Ownership (distance from parity)

SCORE: 0.311

0.51

Female to Male Land Ownership (distance from parity) **0.07**

Female to Male Completion of Secondary Education (distance from parity)

RANK: 12/16 REGIONS ASSESSED

0.35

Female to Male Earnings (distance from parity) 0.14

Female to Male Literacy Rate (distance from parity)



RANK: 14 / 16 REGIONS ASSESSED

SCORE: 0.258



Population Pressures

2.9%

Average

to 2021

Population

1 SCORE: 0.254

RANK: 14/16 REGIONS ASSESSED

1.0%

Average Annual Total Population Change, 2010 to 2021

Youth Bulge (youth (15-24) as a Annual Urban percentage Change, 2010 of to working age population (15-64))

33.1%

8.1%

4.41 Conflict per Prevalence of Food 100,000 Insecurity Persons

17.6%

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



Economic Constraints

1 SCORE: 0.295

RANK: 15/16 REGIONS ASSESSED

65.0

Economic Dependency Ratio

21.7%

Poverty Incidence

42.8 Poverty Intensity

11.8% Unemployment Rate



COPING CAPACITY (CC)

RANK: 6 / 16 REGIONS ASSESSED

SCORE: 0.484

Eastern exhibits weaker Coping Capacity in the areas of Transportation Capacity and Health Care Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

17.6% Population in Highest National Wealth Quintile

8.90 Average Hourly Earnings (Cedis)

59.5% Labor Force Participation (15 and older) 44.7% Average Regional Inflation

SCORE: 0.395

24.2% Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

63.50

SCORE: 0.347

RANK: 10/16 REGIONS ASSESSED

RANK: 7/16 REGIONS ASSESSED

0.68

Road Density (km of road per sq. km)

Average Distance to Nearest Port or Airport (km)



Health Care Capacity

SCORE: 0.374

RANK: 11/16 REGIONS ASSESSED

70.3%

Basic Antigen Vaccination Rate (children 12-23 months) 73.5%

Health Insurance Coverage

9.42

Hospital Beds per 10,000 Persons

72.1% Residential Access to Any Health Facility (within residential cluster)

7.5% Residential Access to Hospital (within residential cluster)

29% Services for Chronic Noncommunicable Disease (% of health faciities)

0.45 General Health Service Readiness Index



COPING CAPACITY (CC)

RANK: 6 / 16 REGIONS ASSESSED

SCORE: 0.484



Communications Capacity

1 SCORE: 0.761

RANK: 3/16 REGIONS ASSESSED

RANK: 9/16 REGIONS ASSESSED

www.pdc.org

85.7% Mobile Phone Ownership

76.8% Smartphone Ownership



Emergency Service Capacity

SCORE: 0.403 1

15.04

Average Fire Station (km)

16.1%

Residential Access to Police Station (within residential cluster)

51.4% Residential

Structures within 5km of Police Station

Health Facilities with Emergency Services

31%

18%

Health Facilities with Emergency Transportation



Energy Capacity

33.5% 88.0%

Household Access to LPG for Cooking

Household Access to Electricity for Lighting

SCORE: 0.625 RANK: 5/16 REGIONS ASSESSED

PDC Global



RANK: 5 / 16 REGIONS ASSESSED

SCORE: 0.613

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

KEY FACTORS INFLUENCING RESILIENCE:



Gender Inequality

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 in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role 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.



Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.

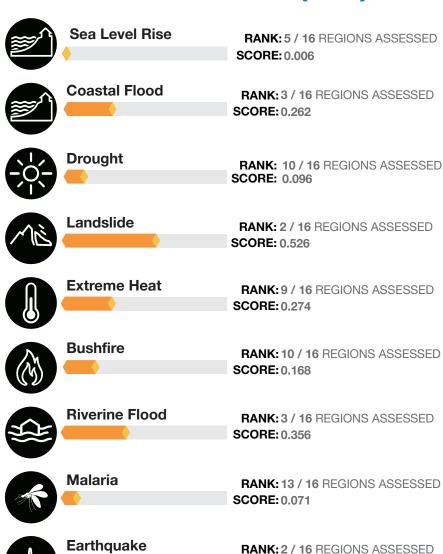


Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.



HAZARD-SPECIFIC RISK (HSR)



D PDC Global www.pdc.org

SCORE: 0.481



MULTI-HAZARD RISK (MHR)

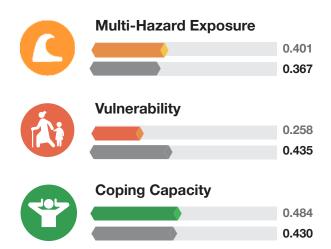


11 / 16 RANK AMONG REGIONS Score: 0.392

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

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







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GREATER ACCRA

NDPBA SUBNATIONAL PROFILE



GHANA GREATER ACCRA

CAPITAL: ACCRA

Area: 3,245 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

LOW

Score: 0.382 • Rank: 12/16



Population (2021 Census)

5,455,692



RESILIENCE (R)

Very High

Score: 0.902 • Rank: 1/16



Poverty Rate 11.7%



Food Insecurity

3.3%



MULTI-HAZARD EXPOSURE (MHE)

Very High

Score: 0.950 • Rank: 1/16



Infant Mortality Rate (per

www.pdc.org

1,000 live births)

16



VULNERABILITY (V)

Very Low

Score: 0.148 • Rank: 16/16



Adult Illiteracy Rate



COPING CAPACITY (CC)

Very High

Score: 0.952 • Rank: 1/16

PDC Global



MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 16 REGIONS ASSESSED

SCORE: 0.950



MHE 0.950

Raw MHE 1.000

Relative MHE 0.899

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

<1%

4 19,519

Buildings Exposed: <1%

Critical Infrastructure Exposed: 9%



Extreme Heat

2%

& 86,897

Buildings Exposed: 2%

Critical Infrastructure Exposed: 6%



Coastal Flood

1%

3 71,441

Buildings Exposed: 1%

Critical Infrastructure Exposed: 10%



Bushfire

0%

2 (

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Drought

74%

4,041,836

Buildings Exposed: 76%

Critical Infrastructure Exposed: 69%



Riverine Flood

4%

240,225

Buildings Exposed: 5%

Critical Infrastructure Exposed: 14%



Landslide

2%

135,467

Buildings Exposed: 4%

Critical Infrastructure Exposed: 4%



Malaria

0%

2 (

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 16 REGIONS

SCORE: 0.950

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

100%

\$ 5,455,692

Buildings Exposed: 100%

Critical Infrastructure Exposed: 100%



VULNERABILITY (V)

RANK: 16 / 16 REGIONS ASSESSED

SCORE: 0.148

Vulnerability in Greater Accra is primarily driven by Population Pressures and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0 🛑

SCORE: 0.090 RANK: 16/16 REGIONS ASSESSED

11.9%

Adult Illiteracy Res Rate Acc Edu

84.3% Residential Access to Education (within residential cluster) 83.5% Primary School Net Attendance Ratio **53.2%**Radio Access (population 15-49)

78.5% Television Access (population 15-49)

11.1% Population without Internet Access (12 and older)



Clean Water Access Vulnerability

0 • 1

SCORE: 0.000

RANK: 16/16 REGIONS ASSESSED

0.8%

Household Water Source Over 30 Minutes Away 1.7%

Households Using Unimproved Water Source 1.0%
Households
Using
Unimproved

Toilet Facility

5.8%

Disability

Prevalence of

6.2%Prevalence of Open
Defection

45.3% Household Wastewater Disposed to Ground



Vulnerable Health Status



16 Infant Mortality Rate (per 1,000 live births) 11.4%

Prevalence of Stunting (children under 5) 1 SCORE: 0.034

190.7 Maternal Mortality Ratio (per 100,000 live births) 34 RANK: 16/16 REGIONS ASSESSED

0.9%Prevalence of ARI Symptoms (children 6-59 months)

7.0%

Prevalence of Diarrhea (children 6-59 months) 11.4%

Prevalence of Anemia (children 6-59 months) 1.0% Medically Underserved Homes (>5 km from health facility)



Gender Inequality



Unmet Need for Family Planning

6.0%

Teenage Pregnancy (women aged 15-19 ever pregnant) 24.0%

Prevalence of Domestic Abuse (women 15-49)

0.35Female to
Male Home
Ownership
(distance from
parity)

SCORE: 0.188

0.52

Female to Male Land Ownership (distance from parity) 0.08

Female to Male Completion of Secondary Education (distance from parity)

RANK: 16/16 REGIONS ASSESSED

0.28

Female to Male Earnings (distance from parity) 0.09 Female t

Female to Male Literacy Rate (distance from parity)



RANK: 16 / 16 REGIONS ASSESSED

SCORE: 0.148



Population Pressures

3.4%

Average

to 2021

Population

1 SCORE: 0.441

RANK: 6/16 REGIONS ASSESSED

2.9%

Average Annual Total Population Change, 2010 to 2021

Youth Bulge (youth (15-24) as a Annual Urban percentage Change, 2010 of to working age population (15-64))

28.1%

3.3% 5.28

Conflict per Prevalence of Food 100,000 Insecurity Persons

35.4%

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



Economic Constraints

SCORE: 0.134

RANK: 16/16 REGIONS ASSESSED

50.4

Economic Dependency Ratio

11.7%

Poverty Incidence

41.9 Poverty Intensity 12.9%

Unemployment Rate



COPING CAPACITY (CC)

RANK: 1 / 16 REGIONS ASSESSED

SCORE: 0.952

Greater Accra exhibits weaker Coping Capacity in the areas of Health Care Capacity and Emergency Service Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

49.1%

Population in Highest National Wealth Quintile

12.10

Labor Force Average Participation Hourly (15 and older) Earnings (Cedis)

63.9%

28.7%

SCORE: 1.000

Average Regional Inflation

53.4%

Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

18.94

SCORE: 1.000

RANK: 1/16 REGIONS ASSESSED

RANK: 1/16 REGIONS ASSESSED

5.41

Road Density (km of road per sq. km)

Average Distance to Nearest Port or Airport (km)



Health Care Capacity

SCORE: 0.736

RANK: 1/16 REGIONS ASSESSED

85.6%

Basic Antigen Vaccination Rate (children 12-23 months) 60.3%

Health Insurance Coverage

7.7

Hospital Beds per 10,000 Persons

67.7%

Residential Access to Any Health Facility (within residential cluster)

33.0%

Residential Access to Hospital (within residential cluster)

91%

Services for Chronic Noncommunicable Disease (% of health faciities)

0.73 General Health Service Readiness

Index



COPING CAPACITY (CC)

RANK: 1 / 16 REGIONS ASSESSED

SCORE: 0.952



Communications Capacity

0

1 SCORE: 1.000

RANK: 1/16 REGIONS ASSESSED

93.6% Mobile Phone Ownership 89.2% Smartphone Ownership



Emergency Service Capacity

0

SCORE: 0.978

RANK: 1/16 REGIONS ASSESSED

10.27

Average Distance to Fire Station (km) 27.3%

Residential Access to Police Station (within residential cluster) 89.1%

Residential Structures within 5km of Police Station 83%

Health
Facilities with
Emergency
Services

55%

Health Facilities with Emergency Transportation



Energy Capacity

1 SCORE: 1.000

RANK: 1/16 REGIONS ASSESSED

68.2%

Household Access to LPG for Cooking 96.1% Household Access to Electricity for Lighting



RANK: 1 / 16 REGIONS ASSESSED

SCORE: 0.902

Greater Accra's score and ranking are due to Very Low Vulnerability combined with Very High Coping Capacity scores.

KEY FACTORS INFLUENCING RESILIENCE:



Population Pressures

Rapid changes in population size and distribution can alter population vulnerability characteristics presenting planning challenges and destabilizing social, economic, and environmental systems. Increased population pressures require disaster managers to realign needs, institutional structures, and available resources to support delivery of basic resources before, during, and after an event.



Gender Inequality

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 in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.



Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.

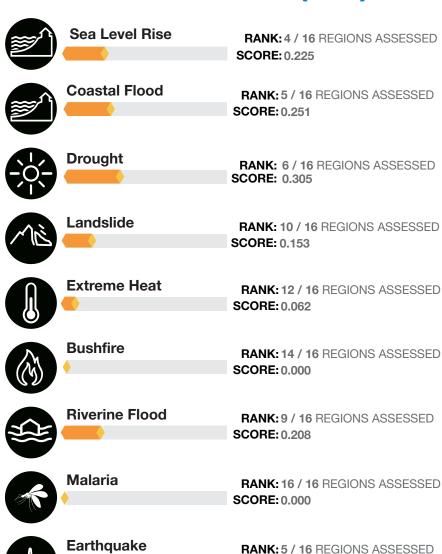


Emergency Service Capacity

Societies establish capacities to manage emergencies that scale from day-to-day events up to catastrophes that impact all of society. Establishing and maintaining a broad range of systems and resources to support emergency services will increase the capacity for disaster management and response.



HAZARD-SPECIFIC RISK (HSR)



10 PDC Global www.pdc.org

SCORE: 0.313



MULTI-HAZARD RISK (MHR)

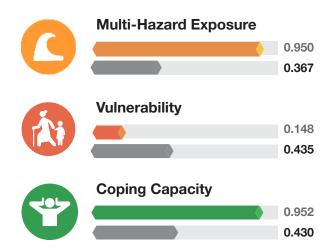


12 / 16 RANK AMONG REGIONS Score: 0.382

Greater Accra'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:







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NORTH EAST

NDPBA SUBNATIONAL PROFILE



GHANA NORTH EAST

CAPITAL: NALERIGU

Area: 9,070 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Very High

Score: 0.657 • Rank: 3/16



Population (2021 Census)

658,946



RESILIENCE (R)

Very Low

Score: 0.202 • Rank: 15/16



Poverty Rate

48.1%



MULTI-HAZARD EXPOSURE (MHE)

Moderate

Score: 0.374 • Rank: 8/16



Food Insecurity

33.7%



VULNERABILITY (V)

Very High

Score: 0.803 • Rank: 1/16



Infant Mortality Rate (per 1,000 live births)

20



COPING CAPACITY (CC)

Very Low

Score: 0.207 • Rank: 15/16



Adult Illiteracy Rate

61.5%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 8 / 16 REGIONS ASSESSED

SCORE: 0.374



MHE 0.374

Raw MHE 0.065

Relative MHE 0.683

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

52%

344,953

Buildings Exposed: 52%

Critical Infrastructure Exposed: 43%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

14%

\$ 94,637

Buildings Exposed: 16%

Critical Infrastructure Exposed: 22%



Drought

51%

336,725

Buildings Exposed: 56%

Critical Infrastructure Exposed: 72%



Riverine Flood

1%

3,543

Buildings Exposed: 1%

Critical Infrastructure Exposed: 1%



Landslide

<1%

489

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



Malaria

29%

4 193,168

Buildings Exposed: 31%

Critical Infrastructure Exposed: 9%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 8 / 16 REGIONS

SCORE: 0.374

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

≗ 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 1 / 16 REGIONS ASSESSED

SCORE: 0.803

Vulnerability in North East is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

SCORE: 0.870 RANK: 2/16 REGIONS ASSESSED

61.5%

Adult Illiteracy Rate

32.6% Residential Access to Education (within residential cluster)

63.7%

Primary School Net Attendance Ratio

41.1% 33.2% Radio Access

15-49)

Television (population Access (population 15-49)

57.6%

Population without Internet Access (12 and older)



Clean Water Access Vulnerability

SCORE: 0.858

29.5%

Household Water Source Over 30 Minutes Away 25.2%

Households Using Unimproved Water Source 9.3%

Households Using Unimproved Toilet Facility 58.1%

Prevalence of Open Defecation

86.0%

Household Wastewater Disposed to Ground



Vulnerable Health Status



1 SCORE: 0.608

RANK: 2/16 REGIONS ASSESSED

RANK: 2/16 REGIONS ASSESSED

20

Infant Mortality Rate (per 1,000 live births)

29.3%

Prevalence of Stunting (children under 6.7% 341.1 Prevalence of

Maternal Mortality Ratio (per 100,000 live births)

5.3%

Prevalence of **ARI Symptoms** (children 6-59 months)

18.0% 29.3%

Prevalence Prevalence of Diarrhea of Anemia (children 6-59 (children 6-59 months) months)

12.6%

Medically Underserved Homes (>5 km from health facility)



Gender Inequality



SCORE: 0.786

RANK: 1/16 REGIONS ASSESSED

19.4%

Unmet Need for Family Planning

23.5%

Teenage Pregnancy (women aged 15-19 ever pregnant)

25.6%

Disability

Prevalence of Domestic Abuse (women 15-49)

0.78

Female to Male Home Ownership (distance from parity)

0.85

Female to Male Land Ownership (distance from parity)

0.34

Female to Male Completion of Secondary Education (distance from parity)

0.3

Female to Male Earnings (distance from parity)

0.34

Female to Male Literacy Rate (distance from parity)



RANK: 1 / 16 REGIONS ASSESSED

SCORE: 0.803



Population Pressures

1

SCORE: 0.839 **RANK: 1/16 REGIONS ASSESSED**

3.2%

Average Annual Total Population Change, 2010 to 2021

8.8%

Average Annual Urban Population Change, 2010 to 2021

40.7%

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

33.7%

6.83 Prevalence Conflict per of Food 100,000 Insecurity Persons

26.9%

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



Economic Constraints

SCORE: 0.856

RANK: 3/16 REGIONS ASSESSED

94.6

Economic Dependency Ratio

48.1%

Poverty Incidence

42.5 Poverty Intensity 20.7% Unemployment Rate



COPING CAPACITY (CC)

RANK: 15 / 16 REGIONS ASSESSED

SCORE: 0.207

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



Economic Capacity



Hourly Earnings

(Cedis)

1.3%

Population in Highest National Wealth Quintile

7.60 43.8% Average Labor Force

Participation (15 and older) 45.1%

SCORE: 0.073

Average Regional Inflation

11.2%

Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

SCORE: 0.127

RANK: 14/16 REGIONS ASSESSED

RANK: 16/16 REGIONS ASSESSED

0.34

Road Density (km of road per sq. km)

106.78 Average Distance to Nearest Port or Airport (km)



Health Care Capacity



SCORE: 0.404

RANK: 10/16 REGIONS ASSESSED

78.4%

Basic Antigen Vaccination Rate (children 12-23 months) 75.4%

Health Insurance Coverage

7.91 Hospital Beds per 10,000

Persons

Access to

cluster)

49.2% 4.1% Residential Residential Access to Any Health Hospital Facility (within (within residential residential

cluster)

65% Services for Chronic Noncommunicable Disease (% of health faciities)

0.51 General Health Service Readiness Index



COPING CAPACITY (CC)

RANK: 15 / 16 REGIONS ASSESSED

SCORE: 0.207



Communications Capacity

1 SCORE: 0.048

RANK: 15/16 REGIONS ASSESSED

59.7% Mobile Phone Ownership

43.0% Smartphone Ownership



Emergency Service Capacity

SCORE: 0.397 1

RANK: 10/16 REGIONS ASSESSED

27.37 Average Distance to

(km)

Fire Station

7.9% Residential Access to Police Station (within residential cluster)

27.6% Residential

Structures within 5km of Police Station 90% Health Facilities with Emergency

Services

31% Health Facilities with Emergency Transportation



Energy Capacity



SCORE: 0.193

RANK: 14/16 REGIONS ASSESSED

4.2%

Household Access to LPG for Cooking

72.1% Household Access to Electricity for Lighting



RANK: 15 / 16 REGIONS ASSESSED

SCORE: 0.202

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

KEY FACTORS INFLUENCING RESILIENCE:



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.



Clean Water Access Vulnerability

Those 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.



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.

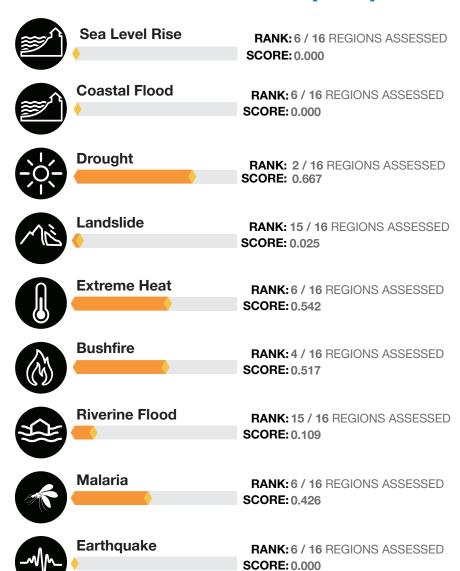


Economic Capacity

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)





MULTI-HAZARD RISK (MHR)

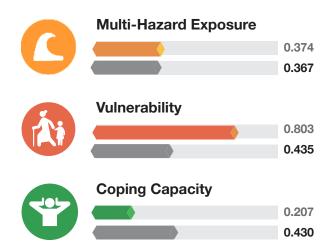


3 / 16 RANK AMONG REGIONS Score: 0.657

North East'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:







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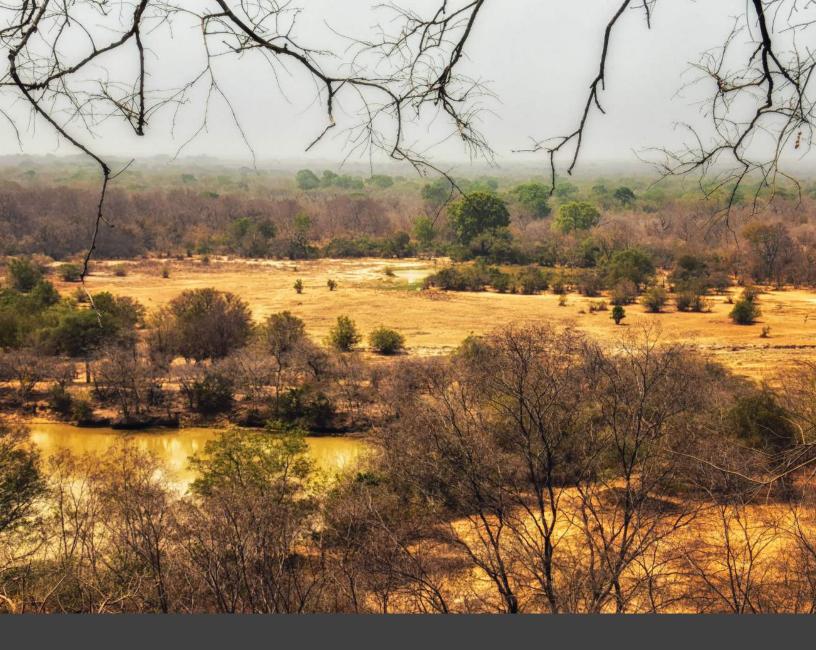
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GHANA -

NORTHERN

NDPBA SUBNATIONAL PROFILE



GHANA NORTHERN

CAPITAL: TAMALE

Area: 25,448 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Very High

Score: 0.659 • Rank: 2/16



Population (2021 Census)

2,310,928



RESILIENCE (R)

Very Low

Score: 0.294 • Rank: 14/16



Poverty Rate

38.4%



MULTI-HAZARD EXPOSURE (MHE)

Very High

Score: 0.564 • Rank: 3/16



Food Insecurity

32.0%



VULNERABILITY (V)

Very High

Score: 0.666 • Rank: 3/16



Infant Mortality Rate (per

1,000 live births)

25



COPING CAPACITY (CC)

Very Low

Score: 0.255 • Rank: 13/16



Adult Illiteracy Rate

56.5%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 16 REGIONS ASSESSED

SCORE: 0.564



MHE 0.564

Raw MHE 0.351

Relative MHE 0.777

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

98%

2,275,650

Buildings Exposed: 99%

Critical Infrastructure Exposed: 99%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

29%

674,981

Buildings Exposed: 29%

Critical Infrastructure Exposed: 25%



Drought

2%

43,631

Buildings Exposed: 2%

Critical Infrastructure Exposed: 1%



Riverine Flood

1%

13,931

Buildings Exposed: 1%

Critical Infrastructure Exposed: <1%



Landslide

<1%

2,293

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



Malaria

59%

1,360,094

Buildings Exposed: 38%

Critical Infrastructure Exposed: 22%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 16 REGIONS

SCORE: 0.564

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 3 / 16 REGIONS ASSESSED

SCORE: 0.666

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



Information Access Vulnerability

SCORE: 0.832 **RANK: 3/16 REGIONS ASSESSED**

56.5% Adult Illiteracy

Rate

Residential Access to Education (within residential cluster)

29.9%

66.4% Primary School Net Attendance Ratio

31.0% Radio Access (population 15-49)

45.3% Television Access (population 15-49)

53.4% Population without Internet Access (12 and older)



Clean Water Access Vulnerability

1

SCORE: 0.655 RANK: 4/16 REGIONS ASSESSED

23.2%

Household Water Source Over 30 Minutes Away 21.0%

Households Using Unimproved Water Source 3.8% Households

Using Unimproved Toilet Facility

Prevalence of

Disability

55.3% Prevalence

79.7% Household Wastewater of Open Defecation Disposed to Ground



Vulnerable Health Status



1 SCORE: 0.621

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

29.6% Prevalence of Stunting

(children under

6.6% 296.8

Maternal Mortality Ratio (per 100,000 live births)

4.1%

Prevalence of **ARI Symptoms** (children 6-59 months)

18.8% 29.6%

RANK: 1/16 REGIONS ASSESSED

Prevalence

of Diarrhea

months)

(children 6-59

Prevalence of Anemia (children 6-59 months)

24.0% Medically Underserved Homes (>5 km

from health facility)



Gender Inequality

18.4%

Unmet Need for Family Planning

14.2%

Teenage Pregnancy (women aged 15-19 ever pregnant)

36.7%

Prevalence of Domestic Abuse (women 15-49)

0.48

Female to Male Home Ownership (distance from parity)

SCORE: 0.559

0.56

Female to Male Land Ownership (distance from parity)

0.23

Female to Male Completion of Secondary Education (distance from parity)

RANK: 5/16 REGIONS ASSESSED

0.29

Female to Male Earnings (distance from parity)

0.36

Female to Male Literacy Rate (distance from parity)



RANK: 3 / 16 REGIONS ASSESSED

SCORE: 0.666



Population Pressures

Annual Urban

Change, 2010

Population

to 2021

1 SCORE: 0.639

RANK: 3/16 REGIONS ASSESSED

3.7%

Average Annual Total Population Change, 2010 to 2021

9.2% 37.0% Average

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

32.0% 4.02

Prevalence Conflict per of Food 100,000 Insecurity Persons

12.2% Youth Not in

Employment, Education, or Training (NEET)



Economic Constraints

1 SCORE: 0.693

RANK: 4/16 REGIONS ASSESSED

88.6

Economic Dependency Ratio

38.4%

Poverty Incidence

42.1 Poverty Intensity 14.3%

Unemployment Rate



COPING CAPACITY (CC)

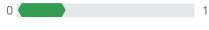
RANK: 13 / 16 REGIONS ASSESSED

SCORE: 0.255

Northern exhibits weaker Coping Capacity in the areas of Health Care Capacity and Communications Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity



7.1%

Population in Highest National Wealth Quintile

7.60 Average

Hourly Earnings

(Cedis)

Labor Force Participation (15 and older)

52.0%

40.0%

SCORE: 0.239

Average Regional Inflation

12.7%

Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

65.37

SCORE: 0.328

RANK: 11/16 REGIONS ASSESSED

RANK: 14/16 REGIONS ASSESSED

0.57

Road Density (km of road per sq. km)

Average Distance to Nearest Port or Airport (km)



Health Care Capacity



55.8%

Basic Antigen Vaccination Rate (children 12-23 months) 64.8%

Health Insurance Coverage

4.08

Hospital Beds per 10,000 Persons

SCORE: 0.157

44.5% Residential Access to Any Health Facility (within residential cluster)

5.8% Residential Access to Hospital (within residential cluster)

59%

Services for Chronic Noncommunicable Disease (% of health faciities)

RANK: 16/16 REGIONS ASSESSED

0.46

General Health Service Readiness Index



COPING CAPACITY (CC)

RANK: 13 / 16 REGIONS ASSESSED

SCORE: 0.255



Communications Capacity

1 SCORE: 0.197

RANK: 13/16 REGIONS ASSESSED

67.2% Mobile Phone Ownership

47.3% Smartphone Ownership



Emergency Service Capacity

SCORE: 0.269 1

73%

Health

Emergency

Services

RANK: 16/16 REGIONS ASSESSED

30.02

Average Distance to Fire Station (km)

5.4% Residential Access

to Police Station (within residential cluster)

20.5% Residential

Structures within 5km of Police Station 29%

Health Facilities with Facilities with Emergency Transportation



Energy Capacity

SCORE: 0.339

RANK: 11/16 REGIONS ASSESSED

10.4%

Household Access to LPG for Cooking

79.7% Household Access to Electricity for Lighting



RANK: 14 / 16 REGIONS ASSESSED

SCORE: 0.294

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

KEY FACTORS INFLUENCING RESILIENCE:



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.



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.



Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.

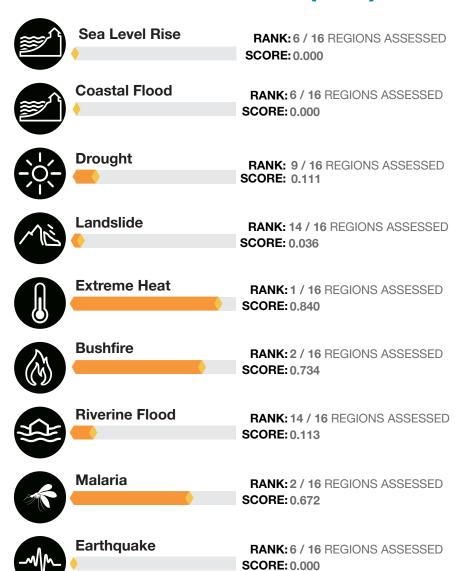


Communications Capacity

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)





MULTI-HAZARD RISK (MHR)

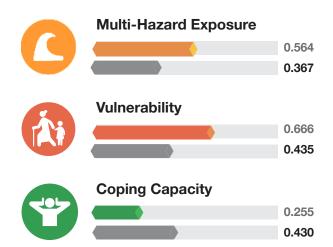


2 / 16 RANK AMONG REGIONS Score: 0.659

Northern's score and ranking are due to Very High 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:







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GHANA

OTI

NDPBA SUBNATIONAL PROFILE



GHANA OTI

CAPITAL: DAMBAI

Area: 18,741 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

High

Score: 0.524 • Rank: 5/16



Population (2021 Census)

747,248



RESILIENCE (R)

Very Low

Score: 0.365 • Rank: 13/16



Poverty Rate

40.8%



MULTI-HAZARD EXPOSURE (MHE)

Low

Score: 0.303 • Rank: 10/16



Food Insecurity

10.0%



VULNERABILITY (V)

High

Score: 0.504 • Rank: 6/16



Infant Mortality Rate (per

1,000 live births)

44



COPING CAPACITY (CC)

Very Low

Score: 0.234 • Rank: 14/16



Adult Illiteracy Rate

43.7%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 16 REGIONS ASSESSED

SCORE: 0.303



MHE 0.303

Raw MHE 0.059

Relative MHE 0.547

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

62%

461,008

Buildings Exposed: 56%

Critical Infrastructure Exposed: 61%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

23%

173,518

Buildings Exposed: 22%

Critical Infrastructure Exposed: 24%



Drought

0%

a 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Riverine Flood

1%

6,901

Buildings Exposed: 1%

Critical Infrastructure Exposed: 15%



Landslide

8%

63,096

Buildings Exposed: 11%

Critical Infrastructure Exposed: 7%



Malaria

30%

226,853

Buildings Exposed: 28%

Critical Infrastructure Exposed: 17%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 16 REGIONS

SCORE: 0.303

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 6 / 16 REGIONS ASSESSED

SCORE: 0.504

Vulnerability in Oti is primarily driven by Gender Inequality and Clean Water Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

Residential Access to Education (within residential cluster)

40.4%

77.5% Primary School Net Attendance Ratio

47.4% Radio Access (population 15-49)

SCORE: 0.566

54.9% Television Access (population 15-49)

45.1% Population without Internet Access (12 and older)

RANK: 7/16 REGIONS ASSESSED

RANK: 5/16 REGIONS ASSESSED



Clean Water Access Vulnerability

1 **SCORE: 0.615**

13.5% Household

43.7%

Rate

Adult Illiteracy

Water Source Over 30 Minutes Away 22.9% Households

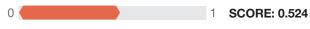
Using Unimproved Water Source

5.2% Households Using Unimproved Toilet Facility 40.2% Prevalence of Open Defecation

88.3% Household Wastewater Disposed to Ground



Vulnerable Health Status



44

Infant Mortality Rate (per 1,000 live births)

20.3% Prevalence of Stunting (children under

10.0% Prevalence of Disability

266.2 Maternal Mortality Ratio (per 100,000 live births)

1.7% Prevalence of **ARI Symptoms** (children 6-59 months)

14.4% Prevalence of Diarrhea (children 6-59 months)

RANK: 4/16 REGIONS ASSESSED

20.3% Prevalence of Anemia (children 6-59 months)

21.2% Medically Underserved Homes (>5 km from health facility)



Gender Inequality

19.2%

Unmet Need for Family Planning

21.1%

Teenage Pregnancy (women aged 15-19 ever pregnant)

32.3%

Prevalence of Domestic Abuse (women 15-49)

0.73

SCORE: 0.658

0.72

parity)

Female to Female to Male Home Male Land Ownership Ownership (distance from (distance from parity)

0.18

Female to Male Completion of Secondary Education (distance from parity)

RANK: 3/16 REGIONS ASSESSED

0.36 Female to

Male Earnings (distance from parity)

0.24

Female to Male Literacy Rate (distance from parity)



RANK: 6 / 16 REGIONS ASSESSED

SCORE: 0.504



Population Pressures

1 SCORE: 0.242

RANK: 15/16 REGIONS ASSESSED

1.5%

Average Annual Total Population Change, 2010 to 2021

4.9%

Average Annual Urban Population Change, 2010 to 2021

36.2%

10.0% Prevalence Youth Bulge (youth (15-24) as a of Food Insecurity percentage of to working age population (15-64))

1.87

Conflict per 100,000 Persons

9.8% Youth Not in Employment,

Education, or Training (NEET)



Economic Constraints

1 SCORE: 0.416

RANK: 8/16 REGIONS ASSESSED

79.9

Economic Dependency Ratio

40.8%

Poverty Incidence

41.7 Poverty Intensity 6.7%

Unemployment Rate



COPING CAPACITY (CC)

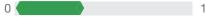
RANK: 14 / 16 REGIONS ASSESSED

SCORE: 0.234

Oti exhibits weaker Coping Capacity in the areas of Transportation Capacity and Health Care Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity



2.7%

Population in Highest National Wealth Quintile

6.20 Average

Labor Force Participation Hourly Earnings (15 and older) (Cedis)

62.6%

32.1%

SCORE: 0.361

Average Regional Inflation

12.5%

Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

SCORE: 0.020

RANK: 16/16 REGIONS ASSESSED

RANK: 10/16 REGIONS ASSESSED

0.48

Road Density (km of road per sq. km)

134.61 Average Distance to Nearest Port or Airport (km)



Health Care Capacity



SCORE: 0.165

RANK: 15/16 REGIONS ASSESSED

73.7%

Basic Antigen Vaccination Rate (children 12-23 months) 52.1%

Health Insurance Coverage

7.2

Hospital Beds per 10,000 Persons

53.8% Residential Access to

Any Health Facility (within residential cluster)

3.2%

Residential Access to Hospital (within residential cluster)

31%

Services for Chronic Noncommunicable Disease (% of health faciities)

0.41 General Health Service Readiness

Index



COPING CAPACITY (CC)

RANK: 14 / 16 REGIONS ASSESSED

SCORE: 0.234



Communications Capacity

0 1 SCORE: 0.330

RANK: 11/16 REGIONS ASSESSED

70.6%Mobile Phone Ownership

55.5%Smartphone Ownership



Emergency Service Capacity

1 SCORE: 0.277

27%

RANK: 15/16 REGIONS ASSESSED

20.8

Average Distance to Fire Station (km)

for Cooking

11.2%

Residential Access to Police Station (within residential cluster) 24.6% Residential

Residential Health
Structures Facilities
within 5km of Police Station Services

30%

Health Health
Facilities with
Emergency
Services Transportation



Energy Capacity

10.2% 72.9%

Household Househ Access to LPG Access

Household Access to Electricity for Lighting SCORE: 0.250 RANK: 13/16 REGIONS ASSESSED



RANK: 13 / 16 REGIONS ASSESSED

SCORE: 0.365

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

KEY FACTORS INFLUENCING RESILIENCE:



Gender Inequality

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 in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.



Clean Water Access Vulnerability

Those 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.



Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.



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: 12 / 16 REGIONS ASSESSED SCORE: 0,000 Landslide RANK: 4 / 16 REGIONS ASSESSED SCORE: 0.409 **Extreme Heat RANK: 5 / 16 REGIONS ASSESSED** SCORE: 0.542 **Bushfire** RANK: 3 / 16 REGIONS ASSESSED SCORE: 0.535 **Riverine Flood** RANK: 4 / 16 REGIONS ASSESSED SCORE: 0.341 Malaria RANK: 7 / 16 REGIONS ASSESSED SCORE: 0.412 **Earthquake** RANK: 6 / 16 REGIONS ASSESSED

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SCORE: 0.000



MULTI-HAZARD RISK (MHR)

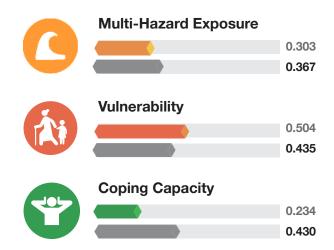


5 / 16 RANK AMONG REGIONS Score: 0.524

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

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







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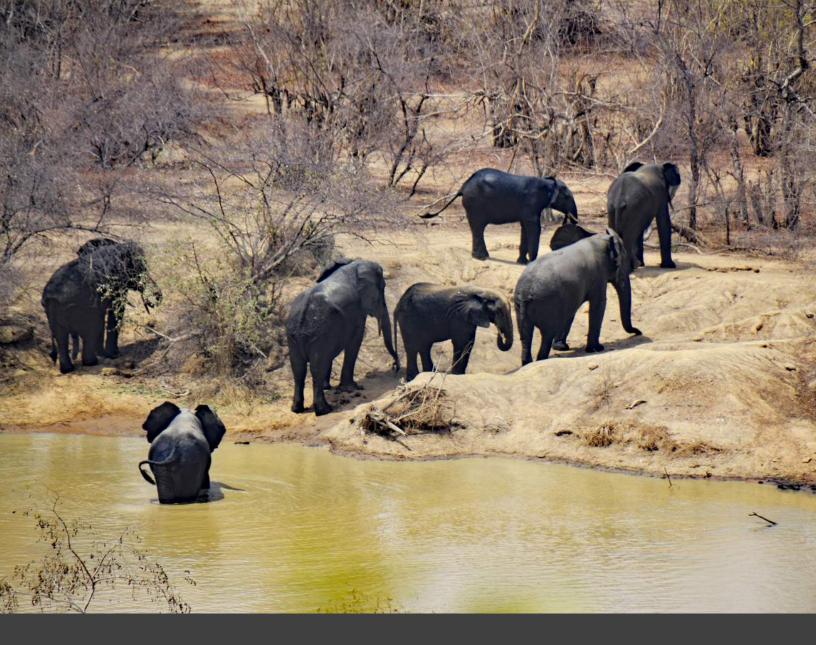
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SAVANNAH

NDPBA SUBNATIONAL PROFILE



GHANA SAVANNAH

CAPITAL: DAMONGO

Area: 35,853 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Very High

Score: 0.659 • Rank: 1/16



Population (2021 Census)

653,277



RESILIENCE (R)

Very Low

Score: 0.193 • Rank: 16/16



Poverty Rate

49.5%



MULTI-HAZARD EXPOSURE (MHE)

Moderate

Score: 0.363 • Rank: 9/16



Food Insecurity

22.6%



VULNERABILITY (V)

Very High

Score: 0.798 • Rank: 2/16



Infant Mortality Rate (per 1,000 live births)

46



COPING CAPACITY (CC)

Very Low

Score: 0.184 • Rank: 16/16



Adult Illiteracy Rate

64.8%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 9 / 16 REGIONS ASSESSED

SCORE: 0.363



MHE 0.363

Raw MHE 0.057

Relative MHE 0.669

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

51%

336,024

Buildings Exposed: 54%

Critical Infrastructure Exposed: 50%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

37%

242,791

Buildings Exposed: 43%

Critical Infrastructure Exposed: 45%



Drought

3%

21,826

Buildings Exposed: 5%

Critical Infrastructure Exposed: 14%



Riverine Flood

3%

17,386

Buildings Exposed: 2%

Critical Infrastructure Exposed: 26%



Landslide

0%

531

Buildings Exposed: <1%

Critical Infrastructure Exposed: 13%



Malaria

40%

264,378

Buildings Exposed: 39%

Critical Infrastructure Exposed: 17%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 9 / 16 REGIONS

SCORE: 0.363

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

≗ 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 2 / 16 REGIONS ASSESSED

SCORE: 0.798

Vulnerability in Savannah is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

SCORE: 0.957 **RANK: 1/16 REGIONS ASSESSED**

64.8%

Adult Illiteracy Rate

26.1% Residential Access to Education (within residential cluster)

54.8% Primary

Radio Access School Net (population Attendance 15-49) Ratio

40.0% Television Access (population

15-49)

60.5% Population without Internet Access (12 and older)



Clean Water Access Vulnerability

SCORE: 0.92

32.6%

RANK: 1/16 REGIONS ASSESSED

27.1%

Household Water Source Over 30 Minutes Away 29.6%

Households Using Unimproved Water Source 9.7% Households

Using Unimproved Toilet Facility 68.5%

Prevalence of Open Defecation Disposed to Ground

87.5% Household Wastewater



Vulnerable Health Status



1 SCORE: 0.605 **RANK: 3/16 REGIONS ASSESSED**

46

Infant Mortality Rate (per 1,000 live births)

21.0%

Prevalence of Stunting (children under 6.8% Prevalence of Disability

248.4 Maternal Mortality Ratio (per 100,000 live births)

2.4%

Prevalence of **ARI Symptoms** (children 6-59 months)

22.0%

Prevalence of Diarrhea (children 6-59 months)

21.0% Prevalence

months)

Medically of Anemia Underserved (children 6-59 Homes (>5 km from health facility)

39.1%



Gender Inequality



SCORE: 0.725

RANK: 2/16 REGIONS ASSESSED

17.5%

Unmet Need for Family Planning

25.9%

Teenage Pregnancy (women aged 15-19 ever pregnant)

46.9%

Prevalence of Domestic Abuse (women 15-49)

0.51

Female to Male Home Ownership (distance from parity)

0.6

Female to Male Land Ownership (distance from parity)

0.36 Female

to Male Completion of Secondary Education (distance from parity)

0.35

Female to Male Earnings (distance from parity)

0.28

Female to Male Literacy Rate (distance from parity)



RANK: 2 / 16 REGIONS ASSESSED

SCORE: 0.798



Population Pressures

1 SCORE: 0.703 **RANK: 2/16 REGIONS ASSESSED**

3.1%

Average Annual Total Population Change, 2010 to 2021

9.0%

Average Annual Urban Population Change, 2010 to 2021

38.6%

(15-64))

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

22.6%

6.58

Conflict per 100,000 Persons

17.9%

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



Economic Constraints



SCORE: 0.876 **RANK: 1/16 REGIONS ASSESSED**

83.7

Economic Dependency Ratio

49.5%

Poverty Incidence 41.7 Poverty Intensity 22.4%

Unemployment Rate



COPING CAPACITY (CC)

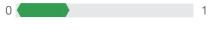
RANK: 16 / 16 REGIONS ASSESSED

SCORE: 0.184

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



Economic Capacity



1.7%
Population
in Highest
National Wealth
Quintile

8.90 Average Hourly Earnings (Cedis) **47.0%**Labor Force
Participation
(15 and older)

34.9%Average
Regional
Inflation

SCORE: 0.268

11.4%
Residential
Access to
Financial
Institution
(within
residential
cluster)



Transportation Capacity

0 1

SCORE: 0.17

RANK: 13/16 REGIONS ASSESSED

RANK: 13/16 REGIONS ASSESSED

0.27

Road Density (km of road per sq. km) 95.25
Average
Distance to
Nearest Port
or Airport (km)



Health Care Capacity

U

67.6%
Basic Antigen
Vaccination
Rate (children
12-23 months)

63.7%

Health Insurance Coverage **8.47**Hospital Beds per 10,000

Persons

51.0%
Residential
Access to
Any Health
Facility (within
residential
cluster)

SCORE: 0.241

4.9%
Residential
Access to
Hospital
(within
residential
cluster)

46% Services for Chronic Noncommunicable Disease (% of health facilities)

RANK: 14/16 REGIONS ASSESSED

0.42General
Health Service
Readiness
Index



COPING CAPACITY (CC)

RANK: 16 / 16 REGIONS ASSESSED

SCORE: 0.184



Communications Capacity

0 •

1 SCORE: 0

RANK: 16/16 REGIONS ASSESSED

57.9%Mobile Phone Ownership

40.8%Smartphone
Ownership



Emergency Service Capacity

0

1 SCORE: 0.394 RANK: 12/16 REGIONS ASSESSED

29.64

Average Distance to Fire Station (km) 10.2%

Residential Access to Police Station (within residential cluster) 13.0% Residential

Structures within 5km of Police Station 78% 4

Health Facilities with Emergency Services 47%

Health Facilities with Emergency Transportation



Energy Capacity

0

1 SCORE: 0.033

RANK: 16/16 REGIONS ASSESSED

4.3%

Household Access to LPG for Cooking **59.5%**Household Access to Electricity for Lighting



RANK: 16 / 16 REGIONS ASSESSED

SCORE: 0.193

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

KEY FACTORS INFLUENCING RESILIENCE:



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.



Clean Water Access Vulnerability

Those 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.



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.

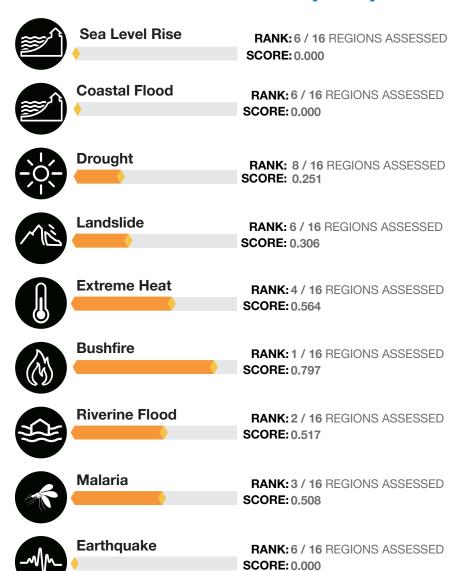


Energy Capacity

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)





MULTI-HAZARD RISK (MHR)

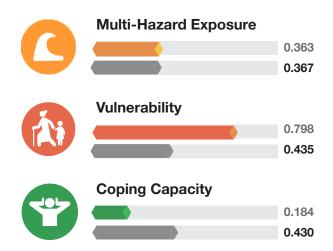


1 / 16 RANK AMONG REGIONS Score: 0.659

Savannah'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:







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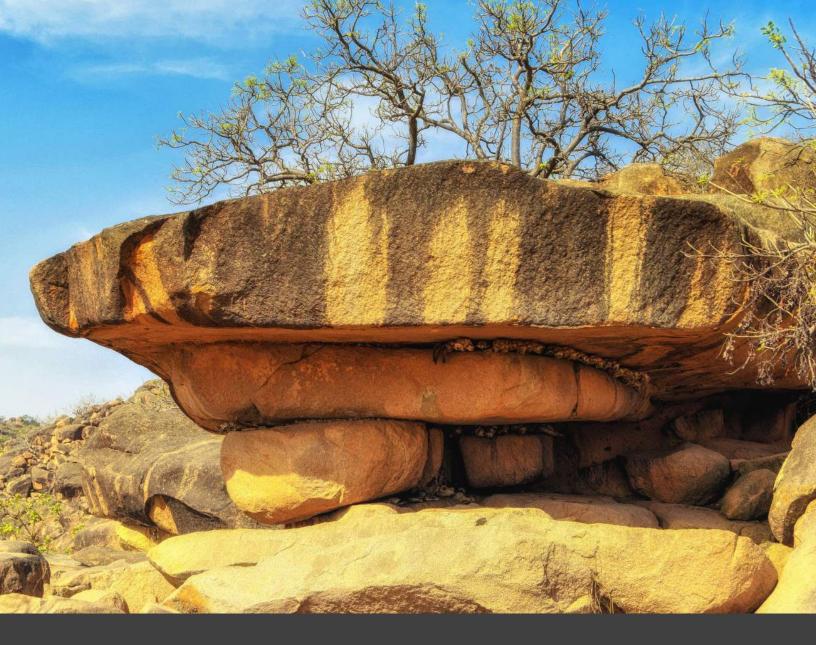
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UPPER EAST

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



Population (2021 Census)

1,301,226



RESILIENCE (R)

Low

Score: 0.376 • Rank: 12/16



Poverty Rate

43.0%



MULTI-HAZARD EXPOSURE (MHE)

High

Score: 0.463 • Rank: 5/16



Food Insecurity

49.5%



VULNERABILITY (V)

High

Score: 0.576 • Rank: 4/16



Infant Mortality Rate (per 1,000 live births)

36



COPING CAPACITY (CC)

LOW

Score: 0.328 • Rank: 12/16



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%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

62%

805,422

Buildings Exposed: 63%

Critical Infrastructure Exposed: 78%



Coastal Flood

0%

2 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%

2 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

SCORE: 0.643 RANK: 6/16 REGIONS ASSESSED

52.0%

Adult Illiteracy Rate

86.7% 46.5% Primary School Net Residential Access to Attendance Education Ratio (within residential cluster)

39.3% Radio Access (population 15-49)

39.0% Television Access (population 15-49)

49.6% Population without Internet Access (12 and older)



Clean Water Access Vulnerability

1 **SCORE: 0.572**

68.4%

Prevalence

Defecation

of Open

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 85.6%

Household Wastewater Disposed to Ground



Vulnerable Health Status



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 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)

parity)

9.1% Prevalence of Diarrhea (children 6-59

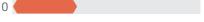
months)

21.1% Prevalence of Anemia (children 6-59 months)

0.8% Medically Underserved Homes (>5 km from health facility)



Gender Inequality



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 0.20 Female to

Female Male Land to Male Ownership Completion (distance from 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)



RANK: 4 / 16 REGIONS ASSESSED

SCORE: 0.576



Population Pressures

0

1 SCORE: 0.593

of Food

Insecurity

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% 4.84 Prevalence Conflict

Conflict per 100,000 Persons 21.6%

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



Economic Constraints

0

SCORE: 0.875 RANK: 2/16 REGIONS ASSESSED

78.2

Economic Dependency Ratio 43.0%

Poverty Incidence **44.3**Poverty
Intensity

21.1% Unemployr

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



5.4% 8.30

Population in Highest National Wealth Quintile

Average Hourly Earnings (Cedis)

42.0% Labor Force

Participation (15 and older) 39.5% 13.8% Average

SCORE: 0.175

Regional

Inflation

Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

SCORE: 0.368

RANK: 9/16 REGIONS ASSESSED

RANK: 15/16 REGIONS ASSESSED

0.74

Road Density (km of road per sq. km)

60.02 Average Distance to Nearest Port or Airport (km)



Health Care Capacity



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 faciities)

0.46 General Health Service Readiness Index



COPING CAPACITY (CC)

RANK: 12 / 16 REGIONS ASSESSED

SCORE: 0.328



Communications Capacity

0

51.4%

Smartphone

Ownership

1 SCORE: 0.276

RANK: 12/16 REGIONS ASSESSED



Emergency Service Capacity

1 SCORE: 0.561 RANK: 4/16 REGIONS ASSESSED

14.27

69.8%

Ownership

Mobile Phone

Average Distance to Fire Station (km) **8.1%**Residential Access

Access to Police Station (within residential cluster) **54.8%**Residential

Structures within 5km of Police Station 78% Health

Health Facilities with Emergency Services 33% Health

Facilities with Emergency Transportation



Energy Capacity

1 SCORE: 0.075

RANK: 15/16 REGIONS ASSESSED

13.8%

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



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.

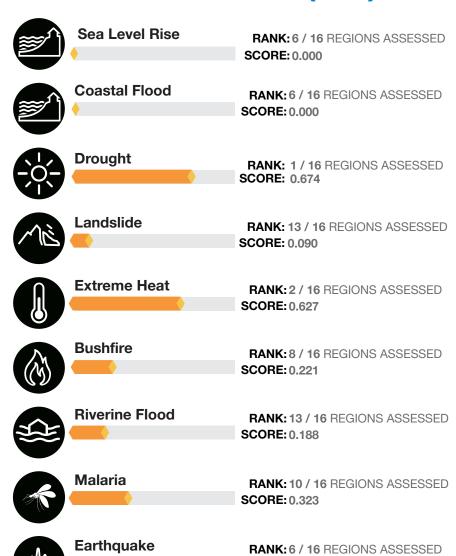


Economic Capacity

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)



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SCORE: 0.000



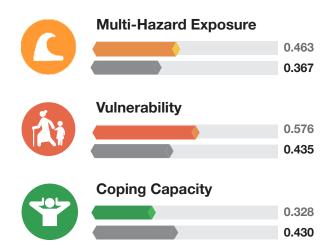
MULTI-HAZARD RISK (MHR)

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:







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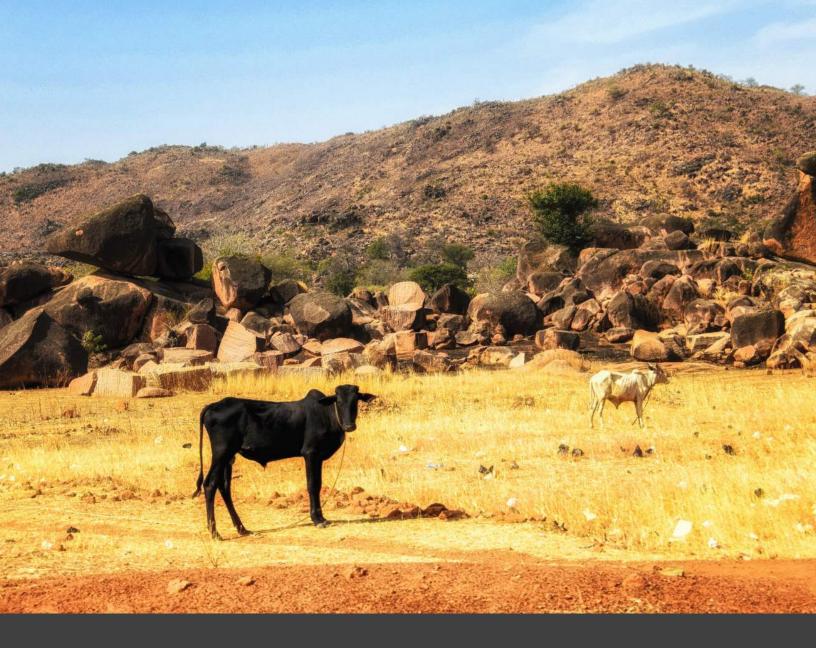
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GHANA

UPPER WEST

NDPBA SUBNATIONAL PROFILE



GHANA UPPER WEST

CAPITAL: WA
Area: 18,476 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Moderate

Score: 0.487 • Rank: 7/16



Population (2021 Census)

901,502



RESILIENCE (R)

Low

Score: 0.406 • Rank: 11/16



Poverty Rate

37.4%



MULTI-HAZARD EXPOSURE (MHE)

Low

Score: 0.272 • Rank: 12/16



Food Insecurity

23.8%



VULNERABILITY (V)

High

Score: 0.528 • Rank: 5/16



Infant Mortality Rate (per 1,000 live births)

25



COPING CAPACITY (CC)

LOW

Score: 0.339 • Rank: 10/16



Adult Illiteracy Rate

51.9%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 12 / 16 REGIONS ASSESSED

SCORE: 0.272



MHE 0.272

Raw MHE 0.076

Relative MHE 0.469

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

1%

4 6,707

Buildings Exposed: 1%

Critical Infrastructure Exposed: 1%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

10%

88,281

Buildings Exposed: 9%

Critical Infrastructure Exposed: 13%



Drought

62%

556,870

Buildings Exposed: 58%

Critical Infrastructure Exposed: 73%



Riverine Flood

<1%

641

Buildings Exposed: <1%

Critical Infrastructure Exposed: 10%



Landslide

<1%

1,012

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



Malaria

36%

322,303

Buildings Exposed: 35%

Critical Infrastructure Exposed: 11%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 12 / 16 REGIONS

SCORE: 0.272

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

≗ 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



VULNERABILITY (V)

RANK: 5 / 16 REGIONS ASSESSED

SCORE: 0.528

Vulnerability in Upper West is primarily driven by Clean Water Access Vulnerability and Information Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

Residential Access to Education (within residential

cluster)

73.2%

83.8% Primary School Net Attendance Ratio

31.9% Radio Access (population 15-49)

SCORE: 0.658

29.7% Television Access (population 15-49)

51.7% Population without Internet Access (12 and older)

RANK: 4/16 REGIONS ASSESSED

RANK: 3/16 REGIONS ASSESSED



Clean Water Access Vulnerability

SCORE: 0.673

20.1% Household Water Source Over 30

Minutes Away

51.9%

Rate

Adult Illiteracy

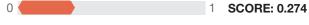
2.7% Households Using Unimproved Water Source

13.0% Households Using Unimproved Toilet Facility 50.5% Prevalence of Open Defecation

86.8% Household Wastewater Disposed to Ground



Vulnerable Health Status



25 16.5%

Infant Mortality Rate (per 1,000 live births)

Prevalence of Stunting (children under 9.4% Prevalence of Disability

335.0 Maternal Mortality Ratio (per 100,000 live births)

0.7% Prevalence of **ARI Symptoms** (children 6-59 months)

6.4% Prevalence of Diarrhea (children 6-59 months)

RANK: 11/16 REGIONS ASSESSED

16.5% Prevalence of Anemia (children 6-59 months)

4.2% Medically Underserved Homes (>5 km from health facility)



Gender Inequality

13.7%

Unmet Need for Family Planning

13.8%

Teenage Pregnancy (women aged 15-19 ever pregnant)

22.2%

Prevalence of Domestic Abuse (women 15-49)

0.42

Female to Male Home Ownership (distance from parity)

SCORE: 0.367

0.31 0.11

Female to Female Male Land to Male Ownership Completion (distance from of Secondary Education parity) (distance from

parity)

0.49

RANK: 9/16 REGIONS ASSESSED

Female to Male Earnings (distance from parity)

0.25

Female to Male Literacy Rate (distance from parity)



RANK: 5 / 16 REGIONS ASSESSED

SCORE: 0.528



Population Pressures

1 SCORE: 0.545

of Food

Insecurity

RANK: 5/16 REGIONS ASSESSED

2.3%

Average Annual Total Population Change, 2010 to 2021

9.8%

Average Annual Urban Population Change, 2010 to 2021

37.8%

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

23.8% 3.66 Prevalence

Conflict per 100,000 Persons

14.0% Youth Not in

Employment, Education, or Training (NEET)



Economic Constraints

1 SCORE: 0.65

RANK: 5/16 REGIONS ASSESSED

76.2

Economic Dependency Ratio

37.4%

Poverty Incidence

45.8 Poverty Intensity 14.4%

Unemployment Rate



COPING CAPACITY (CC)

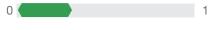
RANK: 10 / 16 REGIONS ASSESSED

SCORE: 0.339

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



Economic Capacity



5.9% Population in Highest National Wealth

Quintile

8.40 Average Hourly Earnings (Cedis)

44.9% Labor Force Participation

35.3% Average Regional (15 and older) Inflation

SCORE: 0.277

18.2% Residential

Access to Financial Institution (within residential cluster)



Transportation Capacity

SCORE: 0.399

RANK: 6/16 REGIONS ASSESSED

RANK: 11/16 REGIONS ASSESSED

0.37

Road Density (km of road per sq. km)

44.43 Average Distance to Nearest Port or Airport (km)



Health Care Capacity



SCORE: 0.526

RANK: 3/16 REGIONS ASSESSED

74.7%

Basic Antigen Vaccination Rate (children 12-23 months) 83.8%

13.63 Hospital Beds Health per 10,000 Insurance Persons Coverage

82.6% Residential Access to Any Health Facility (within residential cluster)

6.1% Residential Access to Hospital (within residential

cluster)

29% Services for Chronic Noncommunicable Disease (% of health faciities)

0.44 General Health Service Readiness Index



COPING CAPACITY (CC)

RANK: 10 / 16 REGIONS ASSESSED

SCORE: 0.339



Communications Capacity

0

1 SCORE: 0.185

RANK: 14/16 REGIONS ASSESSED

65.0%Mobile Phone Ownership

49.1%Smartphone Ownership



Emergency Service Capacity

0

1 SCORE: 0.381

61%

RANK: 13/16 REGIONS ASSESSED

14.68

Average Distance to Fire Station (km) 10.8%

Residential Access to Police Station (within residential cluster) 28.2% Residential

Structures within 5km of Police Station 1

Health
Facilities with
Emergency
Services

Health
Facilitie
Emergency
Emergency
Transpo

16% Health Facilities with Emergency Transportation



Energy Capacity

12.0%

Household Access to LPG for Cooking 73.1%
Household
Access to
Electricity for

Lighting

SCORE: 0.267

RANK: 12/16 REGIONS ASSESSED



RANK: 11 / 16 REGIONS ASSESSED

SCORE: 0.406

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

KEY FACTORS INFLUENCING RESILIENCE:



Clean Water Access Vulnerability

Those 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.



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.



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.



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)

Sea Level Rise

RANK: 6 / 16 REGIONS ASSESSED
SCORE: 0.000

Coastal Flood
RANK: 6 / 16 REGIONS ASSESSED
SCORE: 0.000

Drought RANK: 3 / 16 REGIONS ASSESSED SCORE: 0.600

Landslide RANK: 16 / 16 REGIONS ASSESSED SCORE: 0.022

Extreme Heat

RANK: 13 / 16 REGIONS ASSESSED

SCORE: 0.058

Bushfire RANK: 6 / 16 REGIONS ASSESSED SCORE: 0.363

Riverine Flood
RANK: 7 / 16 REGIONS ASSESSED
SCORE: 0.256

Malaria

RANK: 5 / 16 REGIONS ASSESSED

SCORE: 0.434

Earthquake RANK: 6 / 16 REGIONS ASSESSED SCORE: 0.000



MULTI-HAZARD RISK (MHR)

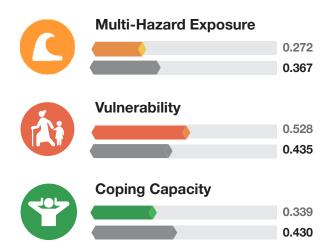


7 / 16 RANK AMONG REGIONS Score: 0.487

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

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







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GHANA ——
VOLTA

NDPBA SUBNATIONAL PROFILE



GHANA VOLTA

CAPITAL: HO Area: 9,504 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

High

Score: 0.518 • Rank: 6/16



Population (2021 Census)

1,659,040



RESILIENCE (R)

Moderate

Score: 0.551 • Rank: 8/16



Poverty Rate

27.3%



MULTI-HAZARD EXPOSURE (MHE)

Very High

Score: 0.658 • Rank: 2/16



Food Insecurity

10.8%



VULNERABILITY (V)

Moderate

Score: 0.374 • Rank: 8/16



Infant Mortality Rate (per 1,000 live births)

38



COPING CAPACITY (CC)

Moderate

Score: 0.477 • Rank: 7/16



Adult Illiteracy Rate

24.9%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 16 REGIONS ASSESSED

SCORE: 0.658



MHE 0.658

Raw MHE 0.316

Relative MHE 1.000

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

1%

4 9.852

Buildings Exposed: <1%

Critical Infrastructure Exposed: 8%



Extreme Heat

84%

1,396,797

Buildings Exposed: 87%

Critical Infrastructure Exposed: 88%



Coastal Flood

3%

57,818

Buildings Exposed: 4%

Critical Infrastructure Exposed: 8%



Bushfire

2%

40,976

Buildings Exposed: 2%

Critical Infrastructure Exposed: 3%



Drought

20%

324,343

Buildings Exposed: 22%

Critical Infrastructure Exposed: 39%



Riverine Flood

20%

335,424

Buildings Exposed: 26%

Critical Infrastructure Exposed: 30%



Landslide

12%

206,819

Buildings Exposed: 11%

Critical Infrastructure Exposed: 12%



Malaria

<1%

4 1,058

Buildings Exposed: <1%

Critical Infrastructure Exposed: 0%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 16 REGIONS

SCORE: 0.658

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

55%

\$ 907,518

Buildings Exposed: 61%

Critical Infrastructure Exposed: 46%



VULNERABILITY (V)

RANK: 8 / 16 REGIONS ASSESSED

SCORE: 0.374

Vulnerability in Volta is primarily driven by Vulnerable Health Status and Clean Water Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

SCORE: 0.236

RANK: 11/16 REGIONS ASSESSED

24.9%

Adult Illiteracy Rate

75.7% Residential Access to Education (within

residential cluster)

87.4% Primary School Net Attendance Ratio

55.5% 63.2% Radio Access

(population

15-49)

Television Access (population 15-49)

28.6%

Population without Internet Access (12 and older)



Clean Water Access Vulnerability

1

SCORE: 0.49

RANK: 7/16 REGIONS ASSESSED

7.5%

Household Water Source Over 30 Minutes Away 15.3%

Households Using Unimproved Water Source 6.9% Households

Using Unimproved Toilet Facility 21.0%

Prevalence of Open Defecation

89.2%

Household Wastewater Disposed to Ground



Vulnerable Health Status



1 SCORE: 0.494 **RANK: 5/16 REGIONS ASSESSED**

38

Infant Mortality Rate (per 1,000 live births)

14.4%

Prevalence of Stunting (children under

12.3% Prevalence of

Disability

382.8 Maternal Mortality Ratio (per 100,000 live births)

4.5%

Prevalence of **ARI Symptoms** (children 6-59 months)

9.1%

Prevalence of Diarrhea (children 6-59 months)

14.4%

Prevalence of Anemia (children 6-59 months)

2.0% Medically Underserved Homes (>5 km from health

facility)



Gender Inequality



SCORE: 0.344

RANK: 10/16 REGIONS ASSESSED

18.3%

Unmet Need for Family Planning

11.8%

Teenage Pregnancy (women aged 15-19 ever pregnant)

36.3%

Prevalence of Domestic Abuse (women 15-49)

0.23

Female to Male Home Ownership (distance from parity)

0.39

Female to Male Land Ownership (distance from parity)

0.11 Female

to Male Completion of Secondary Education (distance from parity)

0.19 0.19

Female to Male Earnings (distance from parity)

Female to Male Literacy Rate (distance from parity)



RANK: 8 / 16 REGIONS ASSESSED

SCORE: 0.374



Population Pressures

1 SCORE: 0.214 **RANK: 16/16 REGIONS ASSESSED**

1.1%

Average Annual Total Population Change, 2010 to 2021

2.4%

Average Annual Urban Population Change, 2010 to 2021

33.5%

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

10.8% 3.07 Prevalence

Conflict per 100,000 Persons

16.2% Youth Not in Employment, Education, or Training (NEET)



Economic Constraints

1 SCORE: 0.469

RANK: 6/16 REGIONS ASSESSED

68.6

Economic Dependency Ratio

27.3%

Poverty Incidence Poverty Intensity

45.8

13.8%

of Food

Insecurity

Unemployment Rate



COPING CAPACITY (CC)

RANK: 7 / 16 REGIONS ASSESSED

RANK: 8/16 REGIONS ASSESSED

SCORE: 0.477

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



Economic Capacity

0

15.7%
Population
in Highest
National Wealth
Quintile

7.70
Average
Hourly
Earnings
(Cedis)

55.1%Labor Force Participation (15 and older)

35.7%Average
Regional
Inflation

SCORE: 0.38

17.7%
Residential
Access to
Financial
Institution
(within
residential
cluster)



Transportation Capacity

0 1

SCORE: 0.393 RANK: 7/16 REGIONS ASSESSED

0.77

Road Density (km of road per sq. km) **54.66**Average
Distance to
Nearest Port
or Airport (km)



Health Care Capacity

0

SCORE: 0.443 RAI

RANK: 6/16 REGIONS ASSESSED

79.6%

Basic Antigen Vaccination Rate (children 12-23 months) 67.9%

Health Insurance Coverage **13.88**Hospital Beds per 10,000

Persons

61.7%Residential
Access to
Any Health
Facility (within residential

cluster)

6.0%
Residential
Access to
Hospital
(within
residential

cluster)

35%Services for Chronic Noncommunicable Disease (% of health facilities)

0.49General
Health Service
Readiness
Index



COPING CAPACITY (CC)

RANK: 7 / 16 REGIONS ASSESSED

SCORE: 0.477



Communications Capacity

1 SCORE: 0.662

RANK: 8/16 REGIONS ASSESSED

82.4% Mobile Phone Ownership **71.7%**Smartphone Ownership



Emergency Service Capacity

1 SCORE: 0.395

69%

RANK: 11/16 REGIONS ASSESSED

28.19

Average Distance to Fire Station (km) 14.4%

Residential Access to Police Station (within residential cluster) 67.0% Residential

Structures within 5km of Police Station 11%

Health Health
Facilities with Emergency
Services Transportation



Energy Capacity

33.7% 85.1%

Household Access to LPG for Cooking 85.1%
Household
Access to
Electricity for
Lighting

SCORE: 0.59 RANK: 6/16 REGIONS ASSESSED



RANK: 8 / 16 REGIONS ASSESSED

SCORE: 0.551

Volta's score and ranking are due to Moderate Vulnerability combined with Moderate Coping Capacity scores.

KEY FACTORS INFLUENCING RESILIENCE:



Vulnerable Health Status

A population with a compromised health status will have a greatly reduced ability to manage short- and long-term disaster outcomes. Improving health is often correlated with decreased susceptibility to injury, disease, and stress associated with disasters. Acute or prolonged vulnerable health status limits the basic capacity of response functions.



Clean Water Access Vulnerability

Those 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.



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.

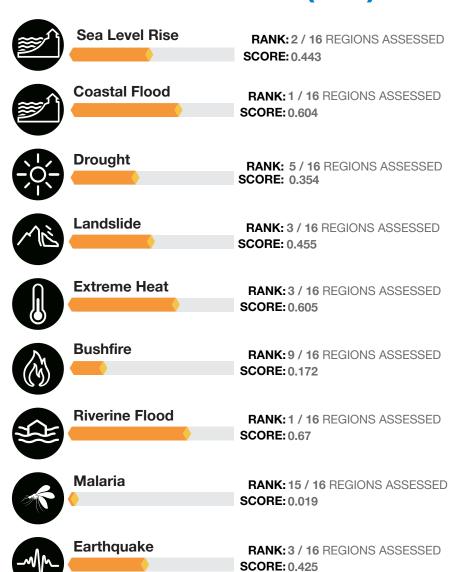


Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

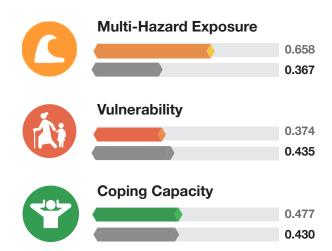


6 / 16 RANK AMONG REGIONS Score: 0.518

Volta's score and ranking are due to Very High Multi-Hazard Exposure combined with Moderate Vulnerability and Moderate Coping Capacity scores.

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







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WESTERN

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GHANA WESTERN

CAPITAL: TAKORADI

Area: 13,842 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Very Low

Score: 0.375 • Rank: 13/16



Population (2021 Census)

2,060,585



RESILIENCE (R)

High

Score: 0.630 • Rank: 4/16



Poverty Rate

25.7%



MULTI-HAZARD EXPOSURE (MHE)

Moderate

Score: 0.385 • Rank: 7/16



Food Insecurity

4.7%



VULNERABILITY (V)

Very Low

Score: 0.267 • Rank: 13/16



Infant Mortality Rate (per 1,000 live births)

36



COPING CAPACITY (CC)

High

Score: 0.527 • Rank: 5/16



Adult Illiteracy Rate

25.2%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 16 REGIONS ASSESSED

SCORE: 0.385



MHE 0.385

Raw MHE 0.190

Relative MHE 0.580

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

1%

27,234

Buildings Exposed: 1%

Critical Infrastructure Exposed: 16%



Extreme Heat

24%

501,392

Buildings Exposed: 29%

Critical Infrastructure Exposed: 26%



Coastal Flood

2%

48,665

Buildings Exposed: 2%

Critical Infrastructure Exposed: 16%



Bushfire

0%

2 (

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Drought

22%

453,494

Buildings Exposed: 15%

Critical Infrastructure Exposed: 22%



Riverine Flood

5%

112,141

Buildings Exposed: 6%

Critical Infrastructure Exposed: 12%



Landslide

4%

89,157

Buildings Exposed: 5%

Critical Infrastructure Exposed: 5%



Malaria

14%

282,196

Buildings Exposed: 19%

Critical Infrastructure Exposed: 6%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 16 REGIONS

SCORE: 0.385

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

53%

1,084,198

Buildings Exposed: 34%

Critical Infrastructure Exposed: 46%



VULNERABILITY (V)

RANK: 13 / 16 REGIONS ASSESSED

SCORE: 0.267

Vulnerability in Western is primarily driven by Gender Inequality and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

SCORE: 0.138 RANK: 15/16 REGIONS ASSESSED

25.2% Adult Illiteracy

Rate

68.0% Residential Access to Education (within residential cluster)

90.7% Primary School Net Attendance Ratio

63.8% Radio Access (population 15-49)

77.8% Television Access (population 15-49)

24.4% Population without Internet Access (12 and older)

RANK: 13/16 REGIONS ASSESSED



Clean Water Access Vulnerability

1 SCORE: 0.211

3.4%

Household Water Source Over 30 Minutes Away 9.7%

Households Using Unimproved Water Source 2.6% Households Using Unimproved

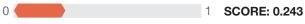
Toilet Facility

11.2% Prevalence of Open Defecation

65.8% Household Wastewater Disposed to Ground



Vulnerable Health Status



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

13.5% Prevalence of Stunting (children under 7.1% Prevalence of Disability

313.0 Maternal Mortality Ratio (per 100,000 live births)

1.9% Prevalence of **ARI Symptoms** (children 6-59 months)

4.9% Prevalence of Diarrhea (children 6-59 months)

RANK: 13/16 REGIONS ASSESSED

13.5% Prevalence of Anemia (children 6-59 months)

2.6% Medically Underserved Homes (>5 km from health facility)



Gender Inequality

12.5%

Unmet Need for Family Planning

14.7%

Teenage Pregnancy (women aged 15-19 ever pregnant)

28.2%

Prevalence of Domestic Abuse (women 15-49)

0.29

Female to Male Home Ownership (distance from parity)

SCORE: 0.374

0.49

Female to Male Land Ownership (distance from parity)

0.22

Female to Male Completion of Secondary Education (distance from parity)

RANK: 8/16 REGIONS ASSESSED

0.54

Female to Male Earnings (distance from parity)

0.14 Female to Male Literacy

Rate (distance

from parity)



RANK: 13 / 16 REGIONS ASSESSED

SCORE: 0.267



Population Pressures

1 SCORE: 0.268

RANK: 13/16 REGIONS ASSESSED

2.0%

Average Annual Total Population Change, 2010 to 2021

2.2%

Youth Bulge Average (youth Annual Urban (15-24) as a Population percentage Change, 2010 of to working age population to 2021 (15-64))

32.8%

4.7%

3.11 Prevalence Conflict per of Food 100,000 Insecurity Persons

21.2%Youth Not in Employment, Education, or Training (NEET)



Economic Constraints

1 SCORE: 0.369

RANK: 11/16 REGIONS ASSESSED

60.9

Economic Dependency Ratio

25.7%

Poverty Incidence **47.5** Poverty Intensity 14.6%

Unemployment Rate



COPING CAPACITY (CC)

RANK: 5 / 16 REGIONS ASSESSED

SCORE: 0.527

Western exhibits weaker Coping Capacity in the areas of Health Care Capacity and Transportation Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0

29.8%
Population
in Highest
National Wealth
Quintile

9.60 Average Hourly Earnings (Cedis) **60.2%**Labor Force
Participation
(15 and older)

42.9%Average
Regional
Inflation

SCORE: 0.511

27.2%
Residential
Access to
Financial
Institution
(within
residential

cluster)



Transportation Capacity

0 1

SCORE: 0.393

RANK: 8/16 REGIONS ASSESSED

RANK: 3/16 REGIONS ASSESSED

0.57

Road Density (km of road per sq. km) 50.33
Average
Distance to
Nearest Port
or Airport (km)



Health Care Capacity

62.5%

Basic Antigen Vaccination Rate (children 12-23 months) 63.7%

Health Insurance Coverage **7.11**Hospital Beds per 10,000

Persons

65.3% Residential Access to Any Health Facility (within residential

cluster)

SCORE: 0.295

10.6% Residential Access to Hospital (within residential

cluster)

41% Services for Chronic Noncommunicable Disease (% of health facilities)

RANK: 13/16 REGIONS ASSESSED

0.48General
Health Service
Readiness
Index



COPING CAPACITY (CC)

RANK: 5 / 16 REGIONS ASSESSED

SCORE: 0.527



Communications Capacity

1 SCORE: 0.748

RANK: 5/16 REGIONS ASSESSED

85.1% Mobile Phone Ownership **76.3%**Smartphone Ownership



Emergency Service Capacity

1 SCORE: 0.537

RANK: 5/16 REGIONS ASSESSED

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18.35

Average Distance to Fire Station (km) 13.1%

Residential Access to Police Station (within residential cluster) 43.2%

Residential Structures within 5km of Police Station 76% Health

Health
Facilities with
Emergency
Services

34%

Health Facilities with Emergency Transportation



Energy Capacity

37.7% 89.7%

Household Access to LPG for Cooking Household Access to Electricity for Lighting SCORE: 0.68 RANK: 3/16 REGIONS ASSESSED

PDC Global



RANK: 4 / 16 REGIONS ASSESSED

SCORE: 0.630

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

KEY FACTORS INFLUENCING RESILIENCE:



Gender Inequality

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 in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role 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.



Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.

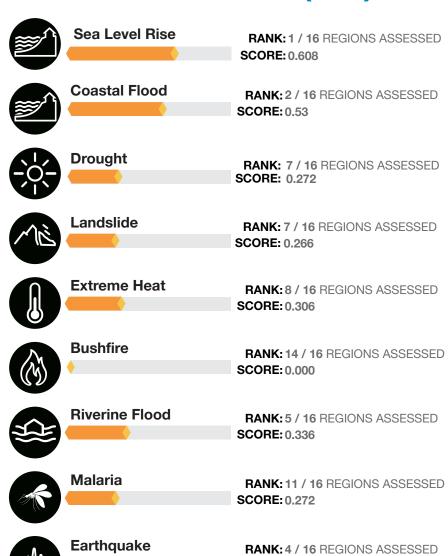


Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



HAZARD-SPECIFIC RISK (HSR)



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SCORE: 0.358



MULTI-HAZARD RISK (MHR)

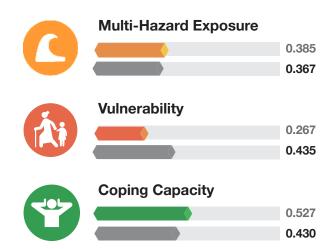


13 / 16 RANK AMONG REGIONS Score: 0.375

Western'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:







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GHANA -

WESTERN NORTH

NDPBA SUBNATIONAL PROFILE



GHANA WESTERN NORTH

CAPITAL: SEFWI WIAWSO

Area: 8,875 km2



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR)

Moderate

Score: 0.439 • Rank: 8/16



Population (2021 Census)

880,921



RESILIENCE (R)

Moderate

Score: 0.489 • Rank: 9/16



Poverty Rate

27.0%



MULTI-HAZARD EXPOSURE (MHE)

Low

Score: 0.296 • Rank: 11/16



Food Insecurity

14.6%



VULNERABILITY (V)

Low

Score: 0.353 • Rank: 10/16



Infant Mortality Rate (per 1,000 live births)

22



COPING CAPACITY (CC)

LOW

Score: 0.331 • Rank: 11/16



Adult Illiteracy Rate

34.3%

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MULTI-HAZARD EXPOSURE (MHE)

RANK: 11 / 16 REGIONS ASSESSED

SCORE: 0.296



MHE 0.296

Raw MHE 0.073

Relative MHE 0.519

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Extreme Heat

10%

88,416

Buildings Exposed: 6%

Critical Infrastructure Exposed: 17%



Coastal Flood

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Bushfire

0%

2 (

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Drought

0%

a 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



Riverine Flood

3%

24,862

Buildings Exposed: 2%

Critical Infrastructure Exposed: 2%



Landslide

23%

203,675

Buildings Exposed: 20%

Critical Infrastructure Exposed: 37%



Malaria

77%

674,191

Buildings Exposed: 80%

Critical Infrastructure Exposed: 73%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 11 / 16 REGIONS

SCORE: 0.296

ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Earthquake

0%

2 0

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%

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VULNERABILITY (V)

RANK: 10 / 16 REGIONS ASSESSED

SCORE: 0.353

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



Information Access Vulnerability

SCORE: 0.415 RANK: 9/16 REGIONS ASSESSED

34.3%

Adult Illiteracy Rate

61.8% Residential Access to Education (within residential cluster)

82.7%

Primary School Net Attendance Ratio

46.3% Radio Access

Television (population Access 15-49) (population 15-49)

55.3%

32.8%

Population without Internet Access (12 and older)



Clean Water Access Vulnerability

1

SCORE: 0.368

RANK: 9/16 REGIONS ASSESSED

7.2%

Household Water Source Over 30 Minutes Away 18.0%

Households Using Unimproved Water Source 2.3%

7.2%

Disability

Households Using Unimproved Toilet Facility 8.5%

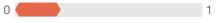
Prevalence of Open Defecation

84.4%

Household Wastewater Disposed to Ground



Vulnerable Health Status



1 SCORE: 0.211

RANK: 15/16 REGIONS ASSESSED

22

Infant Mortality Rate (per 1,000 live births)

10.6%

Prevalence of Stunting (children under Prevalence of

325.5 Maternal Mortality Ratio (per 100,000 live births)

2.0%

Prevalence of **ARI Symptoms** (children 6-59 months)

11.9%

Prevalence of Diarrhea (children 6-59 months)

3.3% 10.6%

Medically Prevalence of Anemia Underserved (children 6-59 Homes (>5 km from health facility)



Gender Inequality



16.6%

Unmet Need for Family Planning

18.9%

Teenage Pregnancy (women aged 15-19 ever pregnant)

25.8%

Prevalence of Domestic Abuse (women 15-49)

0.34

Female to Male Home Ownership (distance from parity)

SCORE: 0.374

0.42

Female to Male Land Ownership (distance from parity)

0.19

Female to Male Completion of Secondary Education (distance from parity)

RANK: 7/16 REGIONS ASSESSED

0.24

months)

Female to Male Earnings (distance from parity)

0.19

Female to Male Literacy Rate (distance from parity)



RANK: 10 / 16 REGIONS ASSESSED

SCORE: 0.353



Population Pressures

1 SCORE: 0.372 **RANK: 8/16 REGIONS ASSESSED**

2.0%

Average Annual Total Population Change, 2010 to 2021

7.1%

Average Annual Urban Population Change, 2010 to 2021

34.1%

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

14.6% 2.61

of Food

Prevalence Conflict per 100,000 Insecurity Persons

16.5%

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



Economic Constraints

1 SCORE: 0.377

RANK: 10/16 REGIONS ASSESSED

64.5

Economic Dependency Ratio

27.0%

Poverty Incidence

46.2 Poverty Intensity

13.1% Unemployment Rate

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COPING CAPACITY (CC)

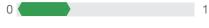
RANK: 11 / 16 REGIONS ASSESSED

SCORE: 0.331

Western North exhibits weaker Coping Capacity in the areas of Transportation Capacity and Economic Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity



6.7%

Population in Highest Hourly National Wealth Earnings Quintile (Cedis)

62.2% 7.10 Average

Labor Force Participation (15 and older) 45.9%

SCORE: 0.268

Average Regional Inflation

17.6%

Residential Access to Financial Institution (within residential cluster)



Transportation Capacity

SCORE: 0.06

RANK: 15/16 REGIONS ASSESSED

RANK: 12/16 REGIONS ASSESSED

0.41

Road Density (km of road per sq. km)

123.81 Average Distance to Nearest Port or Airport (km)



Health Care Capacity



SCORE: 0.406

RANK: 8/16 REGIONS ASSESSED

87.7%

Basic Antigen Vaccination Rate (children 12-23 months) 74.4%

Health Insurance Coverage

8.26 Hospital Beds per 10,000

Persons

61.8% Residential Access to Any Health Facility (within residential

cluster)

6.3%

Residential Access to Hospital (within residential cluster)

40%

Services for Chronic Noncommunicable Disease (% of health faciities)

0.42 General Health Service Readiness Index



COPING CAPACITY (CC)

RANK: 11 / 16 REGIONS ASSESSED

SCORE: 0.331



Communications Capacity

RANK: 9/16 REGIONS ASSESSED

80.2% Mobile Phone Ownership

68.1% Smartphone Ownership



Emergency Service Capacity

SCORE: 0.299 1 **RANK: 14/16 REGIONS ASSESSED**

32.25

Average Distance to Fire Station (km)

12.1%

Residential Access to Police Station (within residential cluster)

39.4% Residential

Structures within 5km of Police Station

58% Health Facilities with Emergency Services

1 SCORE: 0.594

26% Health

Facilities with Emergency Transportation



Energy Capacity

SCORE: 0.359

RANK: 9/16 REGIONS ASSESSED

17.8%

Household Access to LPG for Cooking

76.8% Household Access to Electricity for Lighting

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RANK: 9 / 16 REGIONS ASSESSED

SCORE: 0.489

Western North's score and ranking are due to Low Vulnerability combined with Low Coping Capacity scores.

KEY FACTORS INFLUENCING RESILIENCE:



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.



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.



Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.

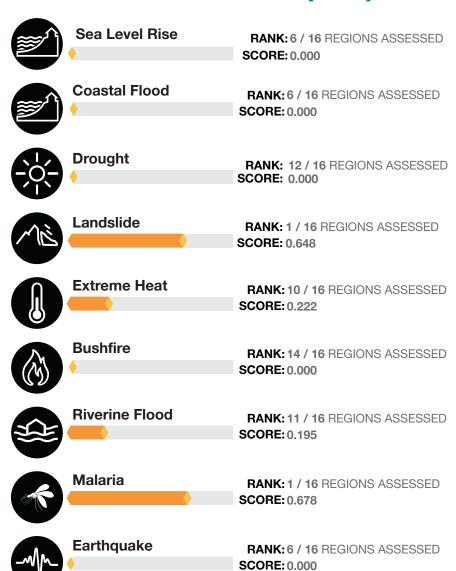


Economic Capacity

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)



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MULTI-HAZARD RISK (MHR)

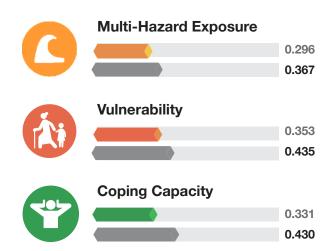


8 / 16 RANK AMONG REGIONS Score: 0.439

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

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







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