



GHANA

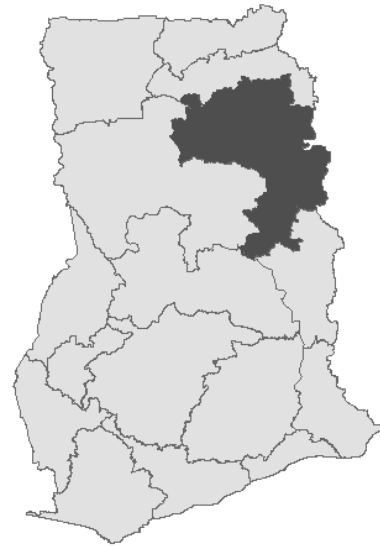
NORTHERN

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



RESILIENCE (R)

Very Low
Score: 0.294 • Rank: 14/16



MULTI-HAZARD EXPOSURE (MHE)

Very High
Score: 0.564 • Rank: 3/16



VULNERABILITY (V)

Very High
Score: 0.666 • Rank: 3/16



COPING CAPACITY (CC)

Very Low
Score: 0.255 • Rank: 13/16



Population (2021 Census)

2,310,928



Poverty Rate

38.4%



Food Insecurity

32.0%



Infant Mortality Rate (per 1,000 live births)

25



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%

0

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Extreme Heat

98%

2,275,650

Buildings Exposed: **99%**

Critical Infrastructure Exposed: **99%**



Coastal Flood

0%

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%

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

0  1 **SCORE: 0.832** **RANK: 3/16 REGIONS ASSESSED**

56.5% Adult Illiteracy Rate	29.9% Residential Access to Education (within residential cluster)	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

0  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	55.3% Prevalence of Open Defecation	79.7% Household Wastewater Disposed to Ground
---	--	--	---	---



Vulnerable Health Status

0  1 **SCORE: 0.621** **RANK: 1/16 REGIONS ASSESSED**

25 Infant Mortality Rate (per 1,000 live births)	29.6% Prevalence of Stunting (children under 5)	6.6% Prevalence of Disability	296.8 Maternal Mortality Ratio (per 100,000 live births)	4.1% Prevalence of ARI Symptoms (children 6-59 months)	18.8% Prevalence of Diarrhea (children 6-59 months)	29.6% Prevalence of Anemia (children 6-59 months)	24.0% Medically Underserved Homes (>5 km from health facility)
--	---	---	--	--	---	---	--



Gender Inequality

0  1 **SCORE: 0.559** **RANK: 5/16 REGIONS ASSESSED**

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)	0.56 Female to Male Land Ownership (distance from parity)	0.23 Female to Male Completion of Secondary Education (distance from parity)	0.29 Female to Male Earnings (distance from parity)	0.36 Female to Male Literacy Rate (distance from parity)
--	--	--	---	---	--	---	--



VULNERABILITY (V)

RANK: 3 / 16 REGIONS ASSESSED
SCORE: 0.666



Population Pressures

0  1 **SCORE: 0.639** **RANK: 3/16 REGIONS ASSESSED**

3.7%

Average Annual Total Population Change, 2010 to 2021

9.2%

Average Annual Urban Population Change, 2010 to 2021

37.0%

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

32.0%

Prevalence of Food Insecurity

4.02

Conflict per 100,000 Persons

12.2%

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



Economic Constraints

0  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

0  1 **SCORE: 0.239** **RANK: 14/16 REGIONS ASSESSED**

7.1% Population in Highest National Wealth Quintile	7.60 Average Hourly Earnings (Cedis)	52.0% Labor Force Participation (15 and older)	40.0% Average Regional Inflation	12.7% Residential Access to Financial Institution (within residential cluster)
---	--	--	--	--



Transportation Capacity

0  1 **SCORE: 0.328** **RANK: 11/16 REGIONS ASSESSED**

0.57 Road Density (km of road per sq. km)	65.37 Average Distance to Nearest Port or Airport (km)
---	--



Health Care Capacity

0  1 **SCORE: 0.157** **RANK: 16/16 REGIONS ASSESSED**

55.8% Basic Antigen Vaccination Rate (children 12-23 months)	64.8% Health Insurance Coverage	4.08 Hospital Beds per 10,000 Persons	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 facilities)	0.46 General Health Service Readiness Index
--	---	---	--	--	---	---



COPING CAPACITY (CC)

RANK: 13 / 16 REGIONS ASSESSED
SCORE: 0.255



Communications Capacity

0  1 SCORE: 0.197 RANK: 13/16 REGIONS ASSESSED

67.2% **47.3%**
Mobile Phone Ownership Smartphone Ownership



Emergency Service Capacity

0  1 SCORE: 0.269 RANK: 16/16 REGIONS ASSESSED

30.02 **5.4%** **20.5%** **73%** **29%**
Average Distance to Fire Station (km) Residential Access to Police Station (within residential cluster) Residential Structures within 5km of Police Station Health Facilities with Emergency Services Health Facilities with Emergency Transportation



Energy Capacity

0  1 SCORE: 0.339 RANK: 11/16 REGIONS ASSESSED

10.4% **79.7%**
Household Access to LPG for Cooking Household Access to Electricity for Lighting



RESILIENCE (R)

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.



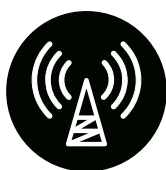
Economic Constraints

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.

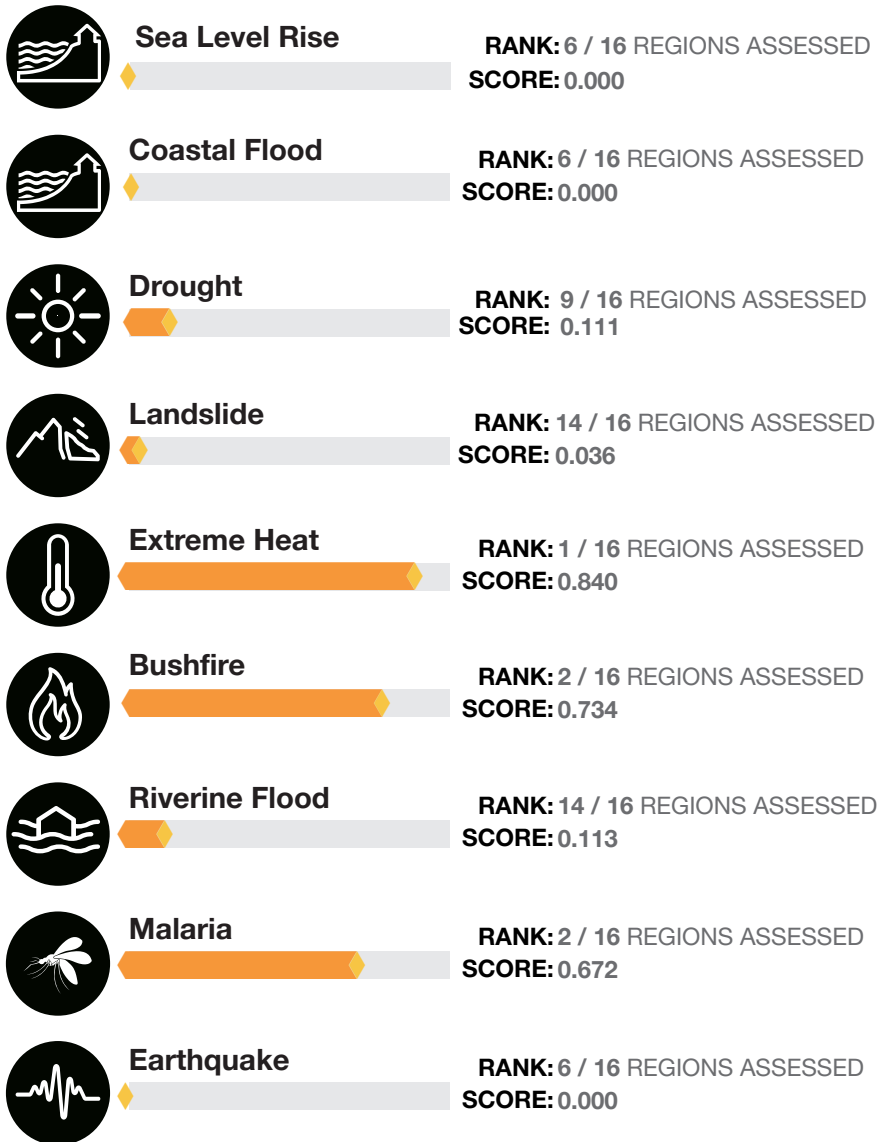


Communications Capacity

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:

▬ ▬ REGIONS SCORE
▬ COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

**1305 N. Holo pono Street | P: (808) 891-0525
Suite 2, Kihei, HI 96753 | F: (808) 891-0526**



@PDC_Global



/PDCGlobal



www.pdc.org



ndpba.gha@pdc.org