



THE PHILIPPINES

AGUSAN DEL NORTE

NDPBA PROVINCE PROFILE

THE PHILIPPINES

AGUSAN DEL NORTE

CAPITAL: CITY OF BUTUAN

Area: 2,612 km²

Agusan del Norte is located in the western section of Mindanao, in the basin of the Agusan River. Mountainous terrain dominates the northeastern and western areas of Agusan del Norte, with flat rolling lands between the flanking peaks. Major agricultural crops in Agusan del Norte are rice, corn, coconut, abaca, banana and mango. The population in Agusan del Norte grew at a rate of 1.43% between 2010 and 2015. The growing population adds to the complexities of dealing with the instability within the province and the region. There are many internally displaced indigenous people, and this is likely to worsen as people return from other countries in the midst of the COVID-19 pandemic. Further adding to the vulnerabilities of the province, the population is also often displaced due to exposures to multiple hazards including typhoons, floods, landslides and earthquakes.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - High
Score: 0.516 • Rank: 31/84



RESILIENCE (R) - High
Score: 0.582 • Rank: 30/84



MULTI-HAZARD EXPOSURE (MHE) - High
Score: 0.711 • Rank: 24/84



VULNERABILITY (V) - Medium
Score: 0.435 • Rank: 43/84



COPING CAPACITY (CC) - High
Score: 0.598 • Rank: 20/84



Population (2018)
687,721



Population in Poverty
19.4%



Literate population
98.6%



Access to improved water
93.5%



Average life expectancy
68.3 years

*For more information on data and components please visit: <https://bit.ly/2LqVoUO>



MULTI-HAZARD EXPOSURE (MHE)

RANK: 24 / 84 PROVINCES
SCORE: 0.711



MHE
0.711

Raw MHE
0.645

Relative MHE
0.777

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

94%

648,511
\$4.3 Billion



Tsunami

<1%

551
-



Flood

68%

464,227
\$3.4 Billion



Liquefaction

42%

289,741
\$2.4 Billion



Landslide

14%

94,722
\$307.4 Million



Volcano

<1%

1,272
\$9.6 Million



Drought

11%

75,228
\$409.4 Million



Wildfire

24%

163,995
\$1.8 Billion



Storm Surge

22%

150,858
\$875.8 Million



Typhoon Winds

100%

687,098
\$4.4 Billion



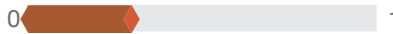
VULNERABILITY (V)

RANK: 43 / 84 PROVINCES ASSESSED
SCORE: 0.435

Vulnerability in Agusan del Norte is primarily driven by Vulnerable Health Status and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress

0  1 **SCORE: 0.3** **RANK: 75/84 PROVINCES ASSESSED**

0.96 Livestock density
7.3 Barren land (per 10k hectares)
4.84% Forest cover change



Vulnerable Health Status

0  1 **SCORE: 0.541** **RANK: 17/84 PROVINCES ASSESSED**

5.4% Malnutrition among children (0 to 5 years old)
1.09 Infant mortality rate (per 1k live births)
190.79 Maternal mortality rate (per 100k live births)
68.25 Life expectancy
581 Disability (per 100k persons)

29.4 Tuberculosis mortality rate (per 100k persons)
0 HIV mortality rate (per 100k persons)
7.4 Intestinal disease mortality rate (per 100k persons)
6 Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



Clean Water Vulnerability

0  1 **SCORE: 0.378** **RANK: 50/84 PROVINCES ASSESSED**

93.5% Households with improved safe water source
89.4% Households with sanitary toilet facility




Information Access Vulnerability

0  1 **SCORE: 0.405** **RANK: 56/84 PROVINCES ASSESSED**

98.63% Literacy rate (age 10 and older)
121.51% Gross primary school enrollment rate
5.74% Internet Access
55.26% Households with radio
65.23% Households with television



Economic Constraints

0  1 **SCORE: 0.469** **RANK: 34/84** PROVINCES ASSESSED

0.63
Economic
dependency
ratio

19.37%
Poverty
incidence



Gender Inequality


0  1 **SCORE: 0.498** **RANK: 32/84** PROVINCES ASSESSED

1.08
Female to male
secondary school
enrollment Rate

0.44
Labor force
participation ratio



Population Pressures

0  1 **SCORE: 0.456** **RANK: 24/84** PROVINCES ASSESSED

1.43
Population
growth rate
(2010-2015)

5.92
Average annual
urban population
growth rate

2.7%
Informal settlers




COPING CAPACITY (CC)

RANK: 20 / 84 PROVINCES ASSESSED
SCORE: 0.598

Agusan del Norte exhibits weaker Coping Capacity in the areas of Emergency Services Capacity and Health Care Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

0  1 **SCORE: 0.554** **RANK: 31/84 PROVINCES ASSESSED**

0.91

Purchasing power of the peso

64.20%


Labor force participation rate

1313.9

Local government annual regular income per capita (Philippine Peso)



Governance

0  1 **SCORE: 0.703** **RANK: 23/84 PROVINCES ASSESSED**

87.8%

Voter participation

12.48

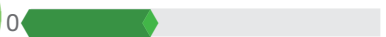
Organized violence (per 100k persons)

30.98%

Garbage pickup



Environmental Capacity

0  1 **SCORE: 0.353** **RANK: 44/84 PROVINCES ASSESSED**

0

Protected areas (per 1k ha)

24.7%

Forest reserves



Infrastructure Capacity

0  1 **SCORE: 0.62** **RANK: 23/84** PROVINCES ASSESSED



Health Care Capacity **SCORE: 0.544** **RANK: 31/84** PROVINCES ASSESSED

6.98	2.22	66.33%	3.73
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



Transportation Capacity **SCORE: 0.604** **RANK: 22/84** PROVINCES ASSESSED

0.82	8.68
Road density (km per sq. km)	Average distance to nearest port (km)



Communications Capacity **SCORE: 0.824** **RANK: 15/84** PROVINCES ASSESSED

7.3%	96.1%
Households with a landline	Mobile coverage



Energy Capacity **SCORE: 0.667** **RANK: 36/84** PROVINCES ASSESSED

80.2%	19.5%
Households with electricity	Households with gas



Emergency Services Capacity **SCORE: 0.462** **RANK: 40/84** PROVINCES ASSESSED

31.13	1.55	2.81
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 30 / 84 PROVINCES ASSESSED
SCORE: 0.582

Agusan del Norte's score and ranking are due to Medium Vulnerability combined with High Coping Capacity scores.

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



Vulnerable Health Status



Gender Inequality



Emergency Services Capacity



Health Care Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 43 / 84 PROVINCES ASSESSED
SCORE: 0.269



Tsunami

RANK: 46 / 84 PROVINCES ASSESSED
SCORE: 0.054



Flood

RANK: 22 / 84 PROVINCES ASSESSED
SCORE: 0.251



Liquefaction

RANK: 38 / 84 PROVINCES ASSESSED
SCORE: 0.199



Landslide

RANK: 48 / 84 PROVINCES ASSESSED
SCORE: 0.202



Volcano

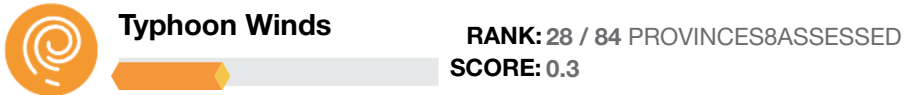
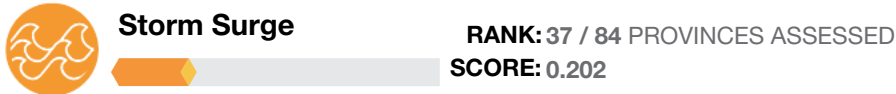
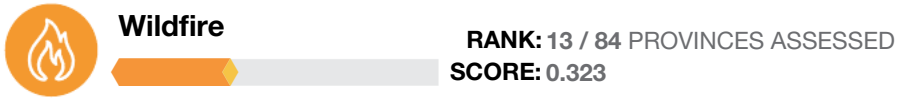
RANK: 50 / 84 PROVINCES ASSESSED
SCORE: 0.095



Drought

RANK: 43 / 84 PROVINCES ASSESSED
SCORE: 0.167

(HAZARD-SPECIFIC RISK CONTINUED)



MULTI-HAZARD RISK (MHR)

31 / 84

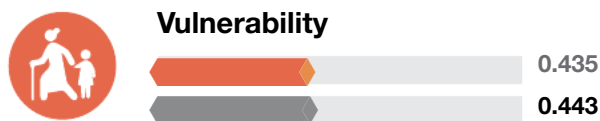
RANK WITHIN PROVINCES
Score: 0.516



Agusan del Norte’s score and ranking are due to High Multi-hazard exposure combined with Medium Vulnerability and High Coping Capacity scores.

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

PROVINCE SCORE
COUNTRY SCORE



AGUSAN DEL NORTE RECOMMENDATIONS

1

Vulnerable Health Status

- Agusan del Norte ranked 4th in maternal mortality and 8th in infectious disease mortality. Continue efforts in community outreach, increased access to health care and other public health interventions. Expand monitoring and control programs for communicable diseases.
- Agusan del Norte is also ranked low in overall health care capacity, which may contribute to the provinces high mortality rates. Increasing access to health care through investments in infrastructure and service provision, especially in areas with high mortality rates, will help to alleviate health burdens.

2

Gender Inequality

- Continue efforts to monitor and reduce gender-based discrimination and bias. Focus efforts on enforcing equal employment opportunities and empowering women to continue their education.
- Actively engage women and other marginalized groups in disaster management and community plans. Provide equal opportunities throughout society to reduce disparities and incorporate feedback mechanisms into policies and programs to ensure effective implementation.

3

Emergency Services Capacity

- Continue work with partners such as the Philippines Red Cross to expand and enhance emergency service capacity. Increase the number of evacuation centers, fire stations and fire trucks to serve the population and increase emergency service capacity.
- Wildfires expose nearly 24% of the population and 40% of the capital stock in Agusan del Norte. The province is also exposed to hazards such as flooding and typhoon winds. Invest in increased resources for the fire department will reduce impacts from Wildfires. Additionally, fire trucks can be used for the dual purpose of early warning sirens for other hazards.
- Continue to support evidence-based preparedness and response coordination, including the provision of emergency equipment and supplies. Additionally, increase efforts to have a central database that makes sub-national data on disaster management capabilities and resources more accessible. Increasing transparency through sharing data will ensure efficient and effective coordination at all levels of government, as well as with partners.

4

Health Care Capacity

- Findings show that both infectious disease mortality and maternal mortality are elevated in Agusan del Norte. Focus efforts on increasing access to health care, particularly for mothers and infants. Invest in new and improved infrastructure, as well as the provision of medical supplies and increased skilled care personnel.
- Expand efforts to remove barriers to health care access, such as cost and distance. Importantly, ensure that all efforts reach rural and remote areas. Continue screenings for infectious diseases and work toward improving mortality rates.

**Better solutions.
Fewer disasters.**

Safer world.

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