



Tovemindanao

THE PHILIPPINES

AGUSAN DEL SUR

NDPBA PROVINCE PROFILE

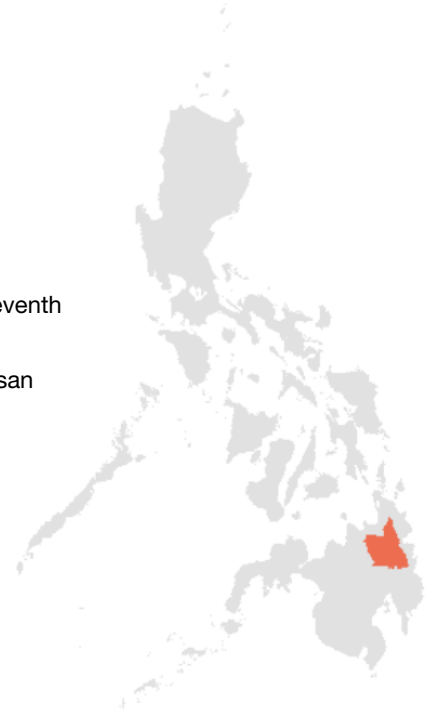
THE PHILIPPINES

AGUSAN DEL SUR

CAPITAL: PROSPERIDAD

Area: 9,990 km²

Agusan del Sur is located in the eastern portion of Mindanao Island. It is the seventh largest province in the country. Agusan del Sur is heavily forested, but has lost much of its forest resources due to existing industries. The central land of Agusan del Sur is a valley that is formed from the mountain ranges on the eastern and western sides of the province. It is unique in that it experiences no dry season with heavy rainfall year-round. It is located below the typhoon belt but often feels impacts of depressions that pass nearby. Agriculture and forestry employ majority of the population. Rice is the primary crop with other important agricultural commodities including corn, banana, palm oil and coconuts.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High
Score: 0.568 • Rank: 9/84



RESILIENCE (R) - Low
Score: 0.519 • Rank: 62/84



MULTI-HAZARD EXPOSURE (MHE) - High
Score: 0.741 • Rank: 19/84



VULNERABILITY (V) - High
Score: 0.488 • Rank: 22/84



COPING CAPACITY (CC) - Low
Score: 0.526 • Rank: 60/84



Population (2018)
742,969



Population in Poverty
30.4%



Literate population
97.2%



Access to improved water
90.4%



Average life expectancy
65.3 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 19 / 84 PROVINCES
SCORE: 0.741



MHE
0.741

Raw MHE
0.682

Relative MHE
0.801

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

100%

742,969

\$5.8 Billion



Tsunami

-

-

-



Flood

48%

359,662

\$2.9 Billion



Liquefaction

65%

480,183

\$3.5 Billion



Landslide

11%

81,008

\$616.9 Million



Volcano

<1%

854

\$7.6 Million



Drought

75%

558,976

\$4.5 Billion



Wildfire

<1%

471

\$21.5 Million



Storm Surge

-

-

-



Typhoon Winds

100%

742,882

\$5.8 Billion



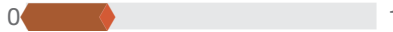
VULNERABILITY (V)

RANK: 22 / 84 PROVINCES ASSESSED
SCORE: 0.488

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



Environmental Stress

0  1 **SCORE: 0.229** **RANK: 80/84 PROVINCES ASSESSED**

0.51 Livestock density
7.09 Barren land (per 10k hectares)
5.30% Forest cover change



Vulnerable Health Status

0  1 **SCORE: 0.63** **RANK: 6/84 PROVINCES ASSESSED**

6.1% Malnutrition among children (0 to 5 years old)
4.45 Infant mortality rate (per 1k live births)
44.5 Maternal mortality rate (per 100k live births)
65.34 Life expectancy
862 Disability (per 100k persons)

18 Tuberculosis mortality rate (per 100k persons)
0 HIV mortality rate (per 100k persons)
4.7 Intestinal disease mortality rate (per 100k persons)
1.1 Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



Clean Water Vulnerability

0  1 **SCORE: 0.434** **RANK: 36/84 PROVINCES ASSESSED**

90.4% Households with improved safe water source
88.2% Households with sanitary toilet facility



Information Access Vulnerability

0  1 **SCORE: 0.599** **RANK: 15/84 PROVINCES ASSESSED**

97.21% Literacy rate (age 10 and older)
124.09% Gross primary school enrollment rate
1.70% Internet Access
37.25% Households with radio
46.34% Households with television



Economic Constraints



SCORE: 0.703

RANK: 10/84 PROVINCES ASSESSED

0.71

Economic
dependency
ratio

30.40%

Poverty
incidence



Gender Inequality



SCORE: 0.391

RANK: 53/84 PROVINCES ASSESSED

1.09

Female to male
secondary school
enrollment Rate

0.55

Labor force
participation ratio



Population Pressures



SCORE: 0.432

RANK: 33/84 PROVINCES ASSESSED

1.25

Population
growth rate
(2010-2015)

6.62

Average annual
urban population
growth rate

2.5%

Informal settlers



COPING CAPACITY (CC)

RANK: 60 / 84 PROVINCES ASSESSED
SCORE: 0.526

Agusan del Sur exhibits weaker Coping Capacity in the areas of Transportation Capacity and Energy Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



SCORE: 0.643 **RANK: 18/84 PROVINCES ASSESSED**

0.89

Purchasing power of the peso

69.44%

Labor force participation rate

2417.84

Local government annual regular income per capita (Philippine Peso)



Governance



SCORE: 0.586 **RANK: 58/84 PROVINCES ASSESSED**

83.1%

Voter participation

8.31

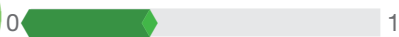
Organized violence (per 100k persons)

13.97%

Garbage pickup



Environmental Capacity



SCORE: 0.351 **RANK: 45/84 PROVINCES ASSESSED**

0

Protected areas (per 1k ha)

24.4%

Forest reserves



Infrastructure Capacity

0 1 **SCORE: 0.409** **RANK: 75/84** PROVINCES ASSESSED



Health Care Capacity **SCORE: 0.456** **RANK: 50/84** PROVINCES ASSESSED

4.35	0.85	80.71%	8.35
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



Transportation Capacity **SCORE: 0.318** **RANK: 72/84** PROVINCES ASSESSED

0.39	25.88
Road density (km per sq. km)	Average distance to nearest port (km)



Communications Capacity **SCORE: 0.432** **RANK: 72/84** PROVINCES ASSESSED

1.2%	79.6%
Households with a landline	Mobile coverage



Energy Capacity **SCORE: 0.381** **RANK: 70/84** PROVINCES ASSESSED

62.6%	6.8%
Households with electricity	Households with gas



Emergency Services Capacity **SCORE: 0.459** **RANK: 41/84** PROVINCES ASSESSED

18.15	1.82	2.94
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 62 / 84 PROVINCES ASSESSED
SCORE: 0.519

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

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



Economic Constraints



Vulnerable Health Status



Transportation Capacity



Energy Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 17 / 84 PROVINCES ASSESSED
SCORE: 0.343



Tsunami

RANK: 54 / 84 PROVINCES ASSESSED
SCORE: 0



Flood

RANK: 31 / 84 PROVINCES ASSESSED
SCORE: 0.223



Liquefaction

RANK: 12 / 84 PROVINCES ASSESSED
SCORE: 0.288



Landslide

RANK: 34 / 84 PROVINCES ASSESSED
SCORE: 0.251



Volcano

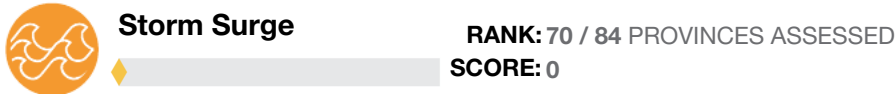
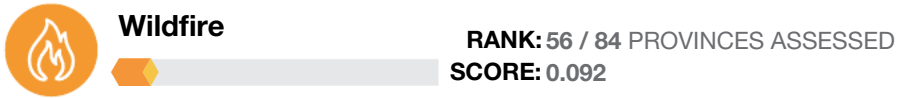
RANK: 47 / 84 PROVINCES ASSESSED
SCORE: 0.101



Drought

RANK: 13 / 84 PROVINCES ASSESSED
SCORE: 0.400

(HAZARD-SPECIFIC RISK CONTINUED)



MULTI-HAZARD RISK (MHR)

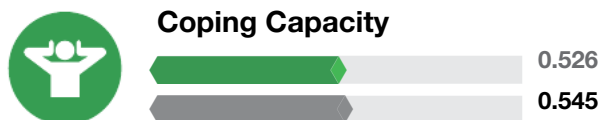
9 / 84
RANK WITHIN PROVINCES
Score: 0.568



Agusan del Sur’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:

PROVINCE SCORE
COUNTRY SCORE



AGUSAN DEL SUR RECOMMENDATIONS

1

Economic Constraints

- Lower socio-economic status has been shown to result in greater disaster impacts and slower recovery times. Investing in public assistance can increase resilience by increasing available resources and options for low income individuals.
- Nearly 75% of the labor force in Agusan del Sur is employed in the agricultural or forestry industry. Diversifying forestry projects and agricultural crops and promoting small business, as well as local hiring will boost the economy and labor market.

2

Vulnerable Health Status

- In Agusan del Sur there are 862 disabled persons per 100,000 population, which is the 3rd highest in the Philippines. Disaster management plans should incorporate provisions for the special needs of disabled persons during disasters, including evacuation, shelter, and medical care.
- Continue efforts in community outreach, increased access to health care and other public health interventions. Additionally, sustain monitoring and control programs for communicable diseases.

3

Transportation Capacity

- Result show that Agusan del Sur has low road density (0.39 kilometers per square kilometer). Continue road enhancements and expansion projects through the Department of Public Works. Invest in transportation infrastructure to increase evacuation and resource distribution routes. Additionally, expansion projects will benefit socio-economic development through increased access to markets and enhanced social connectivity.
- Ensure that emergency evacuation routes and plans include all transportation projects. Work with partners including HOTOSM and others to ensure mapping of new routes and resources are readily available in the event of a disaster.

4

Energy Capacity

- Agusan del Sur ranked 36th out of the 84 territories in energy capacity. The findings show that only 62% of households have access to electricity and 7% have access to liquid petroleum gas. Invest in expanded and improved energy infrastructure. Focus efforts on increasing household access and developing renewable energy sources such as solar and wind.
- Expand private-public partnerships to ensure energy expansion projects provide affordable and equitable access, especially in rural communities.

**Better solutions.
Fewer disasters.**

Safer world.

**1305 N Holocono Street
Suite 2, Kihei, HI 9675 3**

**P: (808) 891-0525
F: (808) 891-0526**



@PDC_Global



/PDCGlobal



www.pdc.prg



ndpba@pdc.org