



THE PHILIPPINES

SURIGAO DEL SUR

NDPBA PROVINCE PROFILE

THE PHILIPPINES

SURIGAO DEL SUR

CAPITAL: CITY OF TANDAG

Area: 4,933 km²

Surigao del Sur is a province in the Philippines located in the Caraga region in Mindanao. It is situated at the eastern coast of Mindanao and faces the Philippine Sea to the east. The climate is characterized by rainfall distributed throughout the year with a distinct rainy season from November through March. Surigao del Sur is one of the suppliers of rice, bananas, and other tropical fruits. Copper, Chromite, and Silver are also found in this region. Due to its location the primary economy within the province is seafood and seafood by-products.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - High
Score: 0.538 • Rank: 20/84



RESILIENCE (R) - Low
Score: 0.517 • Rank: 63/84



MULTI-HAZARD EXPOSURE (MHE) - High
Score: 0.649 • Rank: 31/84



VULNERABILITY (V) - High
Score: 0.49 • Rank: 21/84



COPING CAPACITY (CC) - Low
Score: 0.523 • Rank: 61/84



Population (2018)
591,480



Population in Poverty
19.0%



Literate population
97.9%



Access to improved water
91.7%



Average life expectancy
65.6 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 31 / 84 PROVINCES
SCORE: 0.649



MHE
0.649

Raw MHE
0.633

Relative MHE
0.664

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

94%

558,067
\$5.6 Billion



Tsunami

14%

84,663
\$375.8 Million



Flood

40%

235,147
\$1.9 Billion



Liquefaction

46%

271,206
\$2.1 Billion



Landslide

15%

90,435
\$629 Million



Volcano

<1%

366
\$5.8 Million



Drought

6%

35,119
\$200.3 Million



Wildfire

-
-
-



Storm Surge

43%

253,037
\$2 Billion



Typhoon Winds

100%

590,637
\$5.7 Billion



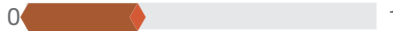
VULNERABILITY (V)

RANK: 21 / 84 PROVINCES ASSESSED
SCORE: 0.49

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



Environmental Stress

0  1 **SCORE: 0.317** **RANK: 71/84 PROVINCES ASSESSED**

0.45 Livestock density
20.14 Barren land (per 10k hectares)
3.44% Forest cover change



Vulnerable Health Status

0  1 **SCORE: 0.684** **RANK: 2/84 PROVINCES ASSESSED**

9.4% Malnutrition among children (0 to 5 years old)
3.94 Infant mortality rate (per 1k live births)
69.52 Maternal mortality rate (per 100k live births)
65.64 Life expectancy
909 Disability (per 100k persons)

32.6 Tuberculosis mortality rate (per 100k persons)
0 HIV mortality rate (per 100k persons)
3.8 Intestinal disease mortality rate (per 100k persons)
1.8 Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



Clean Water Vulnerability

0  1 **SCORE: 0.481** **RANK: 31/84 PROVINCES ASSESSED**

91.7% Households with improved safe water source
82.6% Households with sanitary toilet facility




Information Access Vulnerability

0  1 **SCORE: 0.554** **RANK: 23/84 PROVINCES ASSESSED**

97.89% Literacy rate (age 10 and older)
125.02% Gross primary school enrollment rate
3.05% Internet Access
34.87% Households with radio
51.75% Households with television



Economic Constraints


0  1 **SCORE: 0.498** **RANK: 31/84 PROVINCES ASSESSED**

0.66
Economic
dependency
ratio

19.03%
Poverty
incidence



Gender Inequality

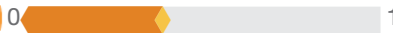
0  1 **SCORE: 0.506** **RANK: 31/84 PROVINCES ASSESSED**

1.06
Female to male
secondary school
enrollment Rate

0.38
Labor force
participation ratio



Population Pressures

0  1 **SCORE: 0.39** **RANK: 48/84 PROVINCES ASSESSED**

1.03
Population
growth rate
(2010-2015)

3.12
Average annual
urban population
growth rate

2.7%
Informal settlers



COPING CAPACITY (CC)

RANK: 61 / 84 PROVINCES ASSESSED
SCORE: 0.523

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



Economic Capacity



SCORE: 0.402 **RANK: 74/84 PROVINCES ASSESSED**

0.84

Purchasing power of the peso

61.21%

Labor force participation rate

1941.56

Local government annual regular income per capita (Philippine Peso)



Governance



SCORE: 0.692 **RANK: 25/84 PROVINCES ASSESSED**

84.5%

Voter participation

7.54

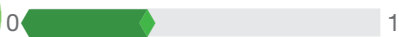
Organized violence (per 100k persons)

30.18%

Garbage pickup



Environmental Capacity



SCORE: 0.344 **RANK: 47/84 PROVINCES ASSESSED**

0

Protected areas (per 1k ha)

22.8%

Forest reserves



Infrastructure Capacity

0 1 **SCORE: 0.536 RANK: 50/84 PROVINCES ASSESSED**



Health Care Capacity SCORE: 0.666 RANK: 8/84 PROVINCES ASSESSED

10.49	3.71	74.23%	4.92
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



Transportation Capacity SCORE: 0.343 RANK: 69/84 PROVINCES ASSESSED

0.57	29.46
Road density (km per sq. km)	Average distance to nearest port (km)



Communications Capacity SCORE: 0.632 RANK: 53/84 PROVINCES ASSESSED

1.6%	93%
Households with a landline	Mobile coverage



Energy Capacity SCORE: 0.558 RANK: 54/84 PROVINCES ASSESSED

76.8%	10.5%
Households with electricity	Households with gas



Emergency Services Capacity SCORE: 0.667 RANK: 18/84 PROVINCES ASSESSED

61.18	2.81	4.3
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 63 / 84 PROVINCES ASSESSED
SCORE: 0.517

Surigao 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:



Vulnerable Health Status



Information Access Vulnerability



Transportation Capacity



Economic Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 23 / 84 PROVINCES ASSESSED
SCORE: 0.318



Tsunami

RANK: 6 / 84 PROVINCES ASSESSED
SCORE: 0.348



Flood

RANK: 44 / 84 PROVINCES ASSESSED
SCORE: 0.172



Liquefaction

RANK: 36 / 84 PROVINCES ASSESSED
SCORE: 0.209



Landslide

RANK: 20 / 84 PROVINCES ASSESSED
SCORE: 0.266



Volcano

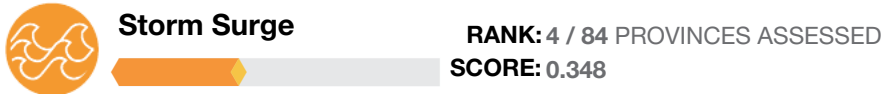
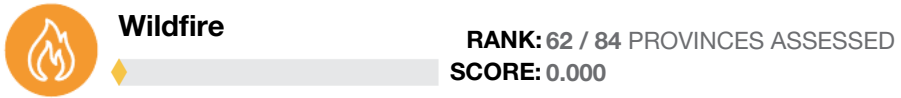
RANK: 51 / 84 PROVINCES ASSESSED
SCORE: 0.089



Drought

RANK: 44 / 84 PROVINCES ASSESSED
SCORE: 0.165

(HAZARD-SPECIFIC RISK CONTINUED)



MULTI-HAZARD RISK (MHR)

20 / 84

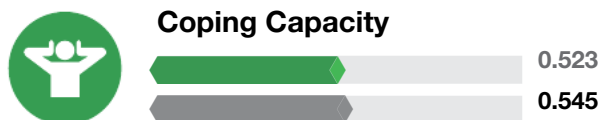
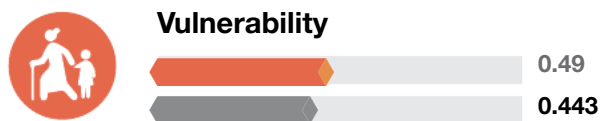
RANK WITHIN PROVINCES
Score: 0.538



Surigao 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



SURIGAO DEL SUR RECOMMENDATIONS

1

Vulnerable Health Status

- In Surigao del Sur, vulnerable health status is a major driver of vulnerability. Focus efforts on increasing the health of the population through community outreach, increased access to health care and other public health interventions. Continue monitoring for and providing care for those suffering from communicable diseases.
- In Surigao del Sur there are 909 disabled persons per 100,000 population, which is the 2nd highest in the Philippines. Work to ensure disaster management plans incorporate provisions for the special needs of disabled persons during disasters, including evacuation, shelter, and medical care.

2

Information Access Vulnerability

- Invest in education and distribution of household communication devices to enhance public dissemination of information, as well as ensure communities are able to understand and respond appropriately.
- Continue to promote education and basic literacy. With the COVID-19 pandemic impacting school capacities, work in rural and remote areas must consider resource needs.

3

Transportation Capacity

- Continue seaport, airport and road enhancement projects through private-public partnerships. Advocate for transportation network projects through the Department of Public Works to increase evacuation and resource distribution routes, increased access to markets and enhanced social connectivity.
- Civil planners should work with risk assessors to establish resilient transportation network plans. Incorporating environmental mitigation plans, equitable access for the population and hazard exposures.
- 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

Economic Capacity

- Surigao del Sur ranked 74th out of the 84 territories in economic capacity. Purchasing power of the peso in Surigao del Sur is 0.84, the 12th lowest score in the Philippines. Focus efforts on expanding the labor market through investments in businesses that will create gainful positions.
- Surigao del Sur to generate public revenue. Pursue policies that balance inflation rates and create equal opportunities for employment.

**Better solutions.
Fewer disasters.**

Safer world.

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