



THE PHILIPPINES

ZAMBOANGA SIBUGAY

NDPBA PROVINCE PROFILE

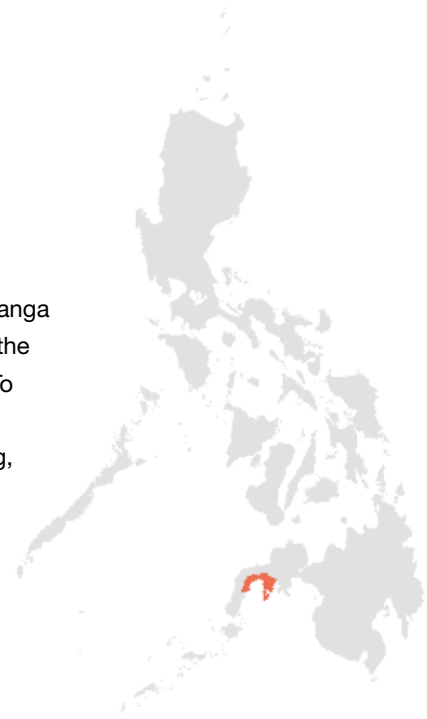
THE PHILIPPINES

ZAMBOANGA SIBUGAY

CAPITAL: IPIL

Area: 3,481 km²

Zamboanga Sibugay is a province in the Philippines situated within the Zamboanga Peninsula region in Mindanao. The province borders Zamboanga del Norte to the north, Zamboanga del Sur to the east and Zamboanga City to the southwest. To the south lies Sibuguey Bay in the Moro Gulf. The leading industries are in the areas of semi-processed rubber, rice and corn milling, ordinary food processing, wood and rattan furniture making, dried fish and squid processing, and home-made food processing. Other industries include concrete products, garments, wax and candle factories, lime making, and other home and cottage industries. The major crops in the region are rice, corn, coconuts, rubber, fruit trees, vegetables, tobacco, coffee, cacao, and root crops. Coal mining in large and small scale and precious metal mining in small scale category are likewise present in some areas of the province.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low
Score: 0.472 • Rank: 63/84



RESILIENCE (R) - Very Low
Score: 0.472 • Rank: 72/84



MULTI-HAZARD EXPOSURE (MHE) - Very Low
Score: 0.359 • Rank: 75/84



VULNERABILITY (V) - Very High
Score: 0.508 • Rank: 16/84



COPING CAPACITY (CC) - Very Low
Score: 0.452 • Rank: 73/84



Population (2018)
647,905



Population in Poverty
27.1%



Literate population
97.2%



Access to improved water
87.9%



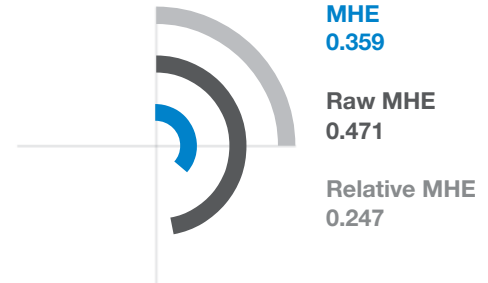
Average life expectancy
67.5 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 75 / 84 PROVINCES
SCORE: 0.359



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

83%

537,906
\$3.4 Billion



Tsunami

-

-

-



Flood

36%

233,850
\$1.8 Billion



Liquefaction

7%

43,590
\$446 Million



Landslide

17%

111,206
\$498.8 Million



Volcano

-

-

-



Drought

-

-

-



Wildfire

<1%

20
\$3.8 Million



Storm Surge

10%

66,709
\$310.2 Million



Typhoon Winds

-

-

-




VULNERABILITY (V)

RANK: 16 / 84 PROVINCES ASSESSED
SCORE: 0.508

Vulnerability in Zamboanga Sibugay is primarily driven by Information Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress

0  1 **SCORE: 0.258** **RANK: 79/84** PROVINCES ASSESSED

0.7 Livestock density
1.18 Barren land (per 10k hectares)
1.83% Forest cover change



Vulnerable Health Status

0  1 **SCORE: 0.424** **RANK: 51/84** PROVINCES ASSESSED

6.5% Malnutrition among children (0 to 5 years old)
2.06 Infant mortality rate (per 1k live births)
39.24 Maternal mortality rate (per 100k live births)
67.53 Life expectancy
381 Disability (per 100k persons)

22 Tuberculosis mortality rate (per 100k persons)
0 HIV mortality rate (per 100k persons)
5.4 Intestinal disease mortality rate (per 100k persons)
1.2 Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



Clean Water Vulnerability

0  1 **SCORE: 0.613** **RANK: 15/84** PROVINCES ASSESSED

87.9% Households with improved safe water source
69.5% Households with sanitary toilet facility



Information Access Vulnerability

0  1 **SCORE: 0.642** **RANK: 9/84** PROVINCES ASSESSED

97.19% Literacy rate (age 10 and older)
113.74% Gross primary school enrollment rate
1.56% Internet Access
48.57% Households with radio
38.09% Households with television



Economic Constraints



SCORE: 0.641

RANK: 13/84 PROVINCES ASSESSED

0.69

Economic dependency ratio

27.10%

Poverty incidence



Gender Inequality



SCORE: 0.557

RANK: 19/84 PROVINCES ASSESSED

1.07

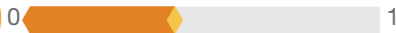
Female to male secondary school enrollment Rate

0.36

Labor force participation ratio



Population Pressures



SCORE: 0.421

RANK: 38/84 PROVINCES ASSESSED

1.53

Population growth rate (2010-2015)

-0.02

Average annual urban population growth rate

3.1%

Informal settlers




COPING CAPACITY (CC)

RANK: 73 / 84 PROVINCES ASSESSED
SCORE: 0.452

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



Economic Capacity

0  1 **SCORE: 0.423** **RANK: 67/84 PROVINCES ASSESSED**

0.87

Purchasing power of the peso

58.48%

Labor force participation rate

1661.23

Local government annual regular income per capita (Philippine Peso)



Governance

0  1 **SCORE: 0.51** **RANK: 68/84 PROVINCES ASSESSED**

78.7%

Voter participation

5.29

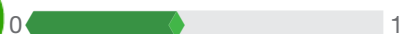
Organized violence (per 100k persons)

10.83%

Garbage pickup



Environmental Capacity

0  1 **SCORE: 0.416** **RANK: 34/84 PROVINCES ASSESSED**

0

Protected areas (per 1k ha)

45.1%

Forest reserves



Infrastructure Capacity

0 1 **SCORE: 0.437** **RANK: 67/84** PROVINCES ASSESSED



Health Care Capacity **SCORE: 0.431** **RANK: 57/84** PROVINCES ASSESSED

2.37	1.39	69.05%	5.26
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



Transportation Capacity **SCORE: 0.422** **RANK: 56/84** PROVINCES ASSESSED

0.59	21.67
Road density (km per sq. km)	Average distance to nearest port (km)



Communications Capacity **SCORE: 0.543** **RANK: 61/84** PROVINCES ASSESSED

0.9%	90.8%
Households with a landline	Mobile coverage



Energy Capacity **SCORE: 0.324** **RANK: 78/84** PROVINCES ASSESSED

62.2%	4.5%
Households with electricity	Households with gas



Emergency Services Capacity **SCORE: 0.464** **RANK: 39/84** PROVINCES ASSESSED

19.61	1.84	2.91
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 72 / 84 PROVINCES ASSESSED
SCORE: 0.472

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

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



Information Access Vulnerability



Economic Constraints



Energy Capacity



Transportation Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 37 / 84 PROVINCES ASSESSED
SCORE: 0.277



Tsunami

RANK: 54 / 84 PROVINCES ASSESSED
SCORE: 0



Flood

RANK: 59 / 84 PROVINCES ASSESSED
SCORE: 0.121



Liquefaction

RANK: 67 / 84 PROVINCES ASSESSED
SCORE: 0.084



Landslide

RANK: 53 / 84 PROVINCES ASSESSED
SCORE: 0.191



Volcano

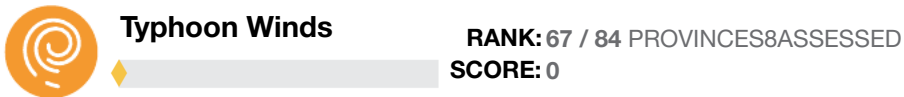
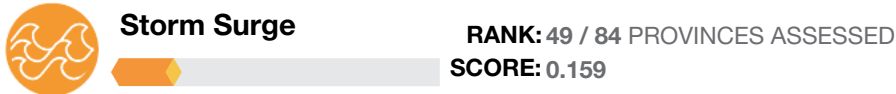
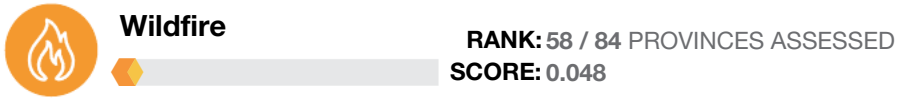
RANK: 68 / 84 PROVINCES ASSESSED
SCORE: 0



Drought

RANK: 58 / 84 PROVINCES ASSESSED
SCORE: 0.000

(HAZARD-SPECIFIC RISK CONTINUED)



MULTI-HAZARD RISK (MHR)

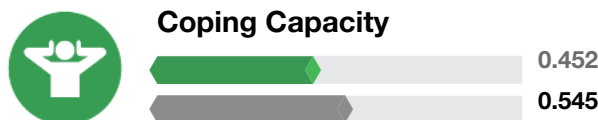
63 / 84
RANK WITHIN PROVINCES
Score: 0.472



Zamboanga Sibugay’s score and ranking are due to Very Low 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:

PROVINCE SCORE
COUNTRY SCORE



ZAMBOANGA SIBUGAY RECOMMENDATIONS

1

Information Access Vulnerability

- In Zamboanga Sibugay many homes lack access to radios, television and internet. In particular, only 38% of households have access to televisions, which is 5th lowest in the Philippines. Work with private and public partners to enhance access to communication devices within households.
- 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.

2

Economic Constraints

- In Zamboanga Sibugay, economic constraints are a major driver of vulnerability. Continue to work with local stakeholders and diverse partners to stimulate economic growth. Expand public assistance where possible to increase the availability of resources and options for low income individuals.
- Focus efforts on promoting industries that create gainful work, to prevent outmigration of the working age population. Invest in small and local businesses, especially in rural and remote areas.

3

Energy Capacity

- Findings show that Zamboanga Sibugay is ranked 78th out of the 84 territories for energy capacity, with 62.2% of households having access to electricity. Additionally, only 4.5% of households have access to liquid petroleum gas lines. Invest in energy infrastructure that increases access to homes, businesses and essential services.
- Expand private-public partnerships to ensure energy expansion projects provide affordable and equitable access, especially in rural communities. Increasing energy capacity will also make the business market more attractive and can help stimulate the creation of jobs.

4

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.

**Better solutions.
Fewer disasters.**

Safer world.

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