



THE PHILIPPINES

GUIMARAS

NDPBA PROVINCE PROFILE

THE PHILIPPINES

GUIMARAS

CAPITAL: JORDAN

Area: 612 km²

Guimaras is an island province in the Philippines located in the Western Visayas region. It is located in the Panay Gulf, between the islands of Panay and Negros. To the northwest is the province of Iloilo and to the southeast is Negros Occidental. It consists primarily of Guimaras Island and includes many surrounding islets. The economy is largely based on agriculture producing mangoes, coconuts, livestock, poultry, and fish. There is also a major tourism industry and processing industry. The population of Guimaras is highly exposed to earthquakes and typhoon winds. Infectious diseases also impact the province. Guimaras was one of 12 other provinces that declared states of calamity due to the dengue outbreak in 2019.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low
Score: 0.374 • Rank: 81/84



RESILIENCE (R) - Very High
Score: 0.615 • Rank: 16/84



MULTI-HAZARD EXPOSURE (MHE) - Very Low
Score: 0.352 • Rank: 76/84



VULNERABILITY (V) - Very Low
Score: 0.336 • Rank: 73/84



COPING CAPACITY (CC) - Medium
Score: 0.565 • Rank: 35/84



Population (2018)
182,246



Population in Poverty
6.6%



Literate population
99.3%



Access to improved water
93.8%



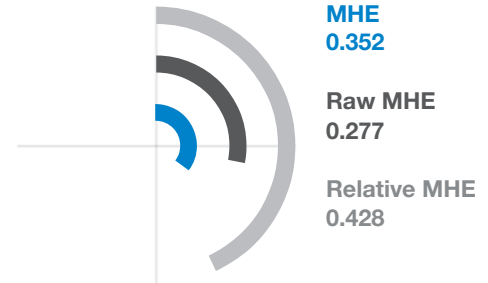
Average life expectancy
68.7 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 76 / 84 PROVINCES
SCORE: 0.352



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:

Earthquake

83%

150,436

\$637.8 Million

Tsunami

-

-

-

Flood

6%

10,343

\$56.3 Million

Liquefaction

23%

42,588

\$211.3 Million

Landslide

12%

21,598

\$68.4 Million

Volcano

<1%

545

\$2.1 Million

Drought

-

-

-

Wildfire

-

-

-

Storm Surge

9%

16,946

\$66 Million

Typhoon Winds

100%

182,173

\$713.2 Million



VULNERABILITY (V)

RANK: 73 / 84 PROVINCES ASSESSED
SCORE: 0.336

Vulnerability in Guimaras is primarily driven by Environmental Stress and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress

0  1 **SCORE: 0.483** **RANK: 37/84 PROVINCES ASSESSED**

2.2 Livestock density	2.06 Barren land (per 10k hectares)	-2.41% Forest cover change
---------------------------------	---	--------------------------------------



Vulnerable Health Status

0  1 **SCORE: 0.331** **RANK: 71/84 PROVINCES ASSESSED**

3.6% Malnutrition among children (0 to 5 years old)	9.56 Infant mortality rate (per 1k live births)	0 Maternal mortality rate (per 100k live births)	68.68 Life expectancy	373 Disability (per 100k persons)
27.6 Tuberculosis mortality rate (per 100k persons)	0 HIV mortality rate (per 100k persons)	2.3 Intestinal disease mortality rate (per 100k persons)	0 Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)	



Clean Water Vulnerability

0  1 **SCORE: 0.26** **RANK: 70/84 PROVINCES ASSESSED**

93.8% Households with improved safe water source	95.0% Households with sanitary toilet facility
--	--




Information Access Vulnerability

0  1 **SCORE: 0.389** **RANK: 61/84 PROVINCES ASSESSED**

99.31% Literacy rate (age 10 and older)	120.05% Gross primary school enrollment rate	2.14% Internet Access	72.75% Households with radio	58.72% Households with television
---	--	---------------------------------	--	---



Economic Constraints

0  1 **SCORE: 0.209** **RANK: 69/84** PROVINCES ASSESSED

0.56
Economic
dependency
ratio

6.62%
Poverty
incidence



Gender Inequality

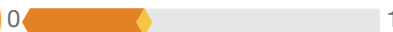
0  1 **SCORE: 0.346** **RANK: 61/84** PROVINCES ASSESSED

1.04
Female to male
secondary school
enrollment Rate

0.49
Labor force
participation ratio



Population Pressures

0  1 **SCORE: 0.332** **RANK: 67/84** PROVINCES ASSESSED

1.33
Population
growth rate
(2010-2015)

9.81
Average annual
urban population
growth rate

0.8%
Informal settlers




COPING CAPACITY (CC)

RANK: 35 / 84 PROVINCES ASSESSED
SCORE: 0.565

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



Economic Capacity

0  1 **SCORE: 0.498** **RANK: 46/84 PROVINCES ASSESSED**

0.9

Purchasing power of the peso

52.22%

Labor force participation rate

3017.25

Local government annual regular income per capita (Philippine Peso)



Governance

0  1 **SCORE: 0.729** **RANK: 13/84 PROVINCES ASSESSED**

87.6%

Voter participation

1.1


Organized violence (per 100k persons)

8.99%

Garbage pickup



Environmental Capacity

0  1 **SCORE: 0.496** **RANK: 23/84 PROVINCES ASSESSED**

3.58

Protected areas (per 1k ha)

30.7%

Forest reserves



Infrastructure Capacity

0 1 **SCORE: 0.491** **RANK: 61/84** PROVINCES ASSESSED



Health Care Capacity **SCORE: 0.521** **RANK: 38/84** PROVINCES ASSESSED

10.76 **2.43** **59.15%** **4.8**
 Hospital beds (per 10k people) Physicians per 10,000 people Vaccination coverage Average distance to nearest hospital (km)



Transportation Capacity **SCORE: 0.63** **RANK: 20/84** PROVINCES ASSESSED

1.72 **17.9**
 Road density (km per sq. km) Average distance to nearest port (km)



Communications Capacity **SCORE: 0.548** **RANK: 60/84** PROVINCES ASSESSED

1.8% **85.7%**
 Households with a landline Mobile coverage



Energy Capacity **SCORE: 0.377** **RANK: 71/84** PROVINCES ASSESSED

71.6% **3.6%**
 Households with electricity Households with gas



Emergency Services Capacity **SCORE: 0.567** **RANK: 23/84** PROVINCES ASSESSED

26.95 **2.79** **3.35**
 Evacuation centers (per 100k persons) Fire Stations (per 100k persons) Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 16 / 84 PROVINCES ASSESSED
SCORE: 0.615

Guimaras’s score and ranking are due to Very Low Vulnerability combined with Medium Coping Capacity scores.

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



Environmental Stress



Information Access Vulnerability



Health Care Capacity



Energy Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 72 / 84 PROVINCES ASSESSED
SCORE: 0.165



Tsunami

RANK: 54 / 84 PROVINCES ASSESSED
SCORE: 0



Flood

RANK: 69 / 84 PROVINCES ASSESSED
SCORE: 0.026



Liquefaction

RANK: 64 / 84 PROVINCES ASSESSED
SCORE: 0.089



Landslide

RANK: 65 / 84 PROVINCES ASSESSED
SCORE: 0.148



Volcano

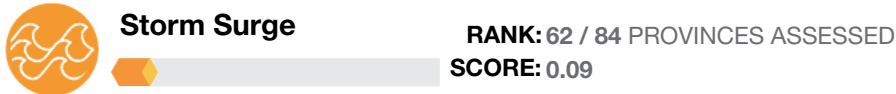
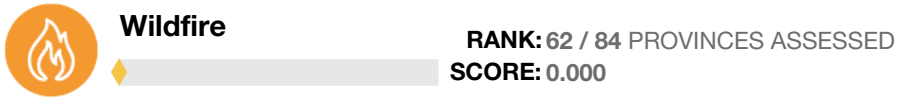
RANK: 59 / 84 PROVINCES ASSESSED
SCORE: 0.066



Drought

RANK: 58 / 84 PROVINCES ASSESSED
SCORE: 0.000

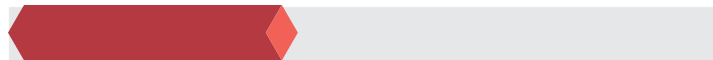
(HAZARD-SPECIFIC RISK CONTINUED)



MULTI-HAZARD RISK (MHR)

81 / 84

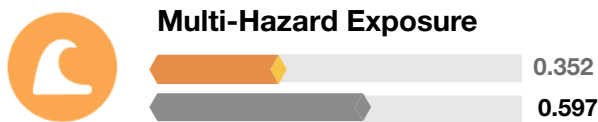
RANK WITHIN PROVINCES
Score: 0.374



Guimaras's score and ranking are due to Very Low Multi-hazard exposure combined with Very Low Vulnerability and Medium Coping Capacity scores.

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

PROVINCE SCORE
COUNTRY SCORE



GUIMARAS RECOMMENDATIONS

1

Environmental Stress

- Guimaras is ranked 7th in the Philippines for forest cover change vulnerability. Between 2000 and 2010 2.41 percent of forest cover was lost. Continue and expand reforestation efforts along with the proper management of natural resources. Other focus areas include increasing sustainable agriculture and decreasing areas classified as bar en land.

2

Information Access Vulnerability

- In Guimaras, many homes lack access to radios, television and internet. Public dissemination of information must take into consideration alternative means of getting emergency messages to the population. Expand the use of stationary and emergency vehicle sirens, also ensuring the public is informed on what alarm systems are communicating and how to act. Work with private and public partners to ensure communities are able to receive critical information and communicate their needs during a disaster.
- 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

Health Care Capacity

- Health care capacity in Guimaras is ranked 71st out of 84 territories in the Philippines. In Guimaras, for every 10,000 persons there are 1.38 hospital beds and 0.5 physicians, which are relatively low compared to the rest of the country. Continue to work with local and international partners to increase health care capacity. 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.

4

Energy Capacity

- Guimaras ranked 71st out of the 84 territories for energy capacity, with 72% of households having access to electricity. Only 3.6% of households have access to liquid petroleum gas lines, which is the 4th lowest in the Philippines. Invest in increased energy infrastructure to connect homes to gas and power lines.
- Energy lines should be carefully engineered to be resilient to earthquakes and typhoon winds. With backup mechanisms to increase redundancy in the system. 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