



**THE PHILIPPINES**

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**MISAMIS OCCIDENTAL**

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**NDPBA PROVINCE PROFILE**

# THE PHILIPPINES

## MISAMIS OCCIDENTAL

### CAPITAL: CITY OF OROQUIETA

Area: 2,007 km<sup>2</sup>

Misamis Occidental is a province located in the region of Northern Mindanao in the Philippines. The province borders Zamboanga del Norte and Zamboanga del Sur to the west and is separated from Lanao del Norte by Panguil Bay to the south and Iligan Bay to the east. Except along the coastal area, hilly and rolling land characterize the provincial terrain. Towards the western border, the terrain is particularly rugged. The economy is largely agriculturally based and primarily focused on fishing and c ops.



### RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - Very Low**  
Score: 0.444 • Rank: 73/84



**RESILIENCE (R) - Medium**  
Score: 0.572 • Rank: 38/84



**MULTI-HAZARD EXPOSURE (MHE) - Very Low**  
Score: 0.477 • Rank: 71/84



**VULNERABILITY (V) - Low**  
Score: 0.392 • Rank: 59/84



**COPING CAPACITY (CC) - Low**  
Score: 0.536 • Rank: 57/84



Population (2018)  
**626,095**



Population in Poverty  
**19.4%**



Literate population  
**98.6%**



Access to improved water  
**97.5%**



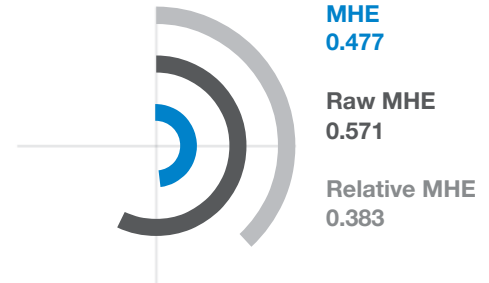
Average life expectancy  
**68.2 years**

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





## MULTI-HAZARD EXPOSURE (MHE)


RANK: 71 / 84 PROVINCES  
SCORE: 0.477





### ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:


 Earthquake  
**79%**  
493,962  
\$5.3 Billion


 Tsunami  
-  
-  
-

 Flood  
**12%**  
74,195  
\$623.1 Million


 Liquefaction  
**9%**  
54,150  
\$341.1 Million


 Landslide  
**8%**  
47,334  
\$588.1 Million

 Volcano  
**<1%**  
1,139  
\$11.2 Million

 Drought  
**82%**  
514,299  
\$5.5 Billion

 Wildfire  
-  
-  
-

 Storm Surge  
**30%**  
190,928  
\$1.7 Billion

 Typhoon Winds  
-  
-  
-



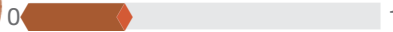
## VULNERABILITY (V)

**RANK: 59 / 84 PROVINCES ASSESSED**  
**SCORE: 0.392**

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



### Environmental Stress

0  1 **SCORE: 0.279** **RANK: 78/84** PROVINCES ASSESSED

**1.98** Livestock density  
**0.59** Barren land (per 10k hectares)  
**4.38%** Forest cover change



### Vulnerable Health Status

0  1 **SCORE: 0.466** **RANK: 33/84** PROVINCES ASSESSED

**4.9%** Malnutrition among children (0 to 5 years old)  
**3.11** Infant mortality rate (per 1k live births)  
**0** Maternal mortality rate (per 100k live births)  
**68.22** Life expectancy  
**723** Disability (per 100k persons)

**28.4** Tuberculosis mortality rate (per 100k persons)  
**0** HIV mortality rate (per 100k persons)  
**3.3** 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: 0.329** **RANK: 56/84** PROVINCES ASSESSED

**97.5%** Households with improved safe water source  
**86.2%** Households with sanitary toilet facility



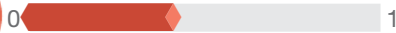
### Information Access Vulnerability

0  1 **SCORE: 0.484** **RANK: 39/84** PROVINCES ASSESSED

**98.55%** Literacy rate (age 10 and older)  
**110.91%** Gross primary school enrollment rate  
**4.50%** Internet Access  
**57.58%** Households with radio  
**61.31%** Households with television



### Economic Constraints



SCORE: 0.421

RANK: 42/84 PROVINCES ASSESSED

**0.6**  
Economic  
dependency  
ratio

**19.35%**  
Poverty  
incidence



### Gender Inequality



SCORE: 0.378

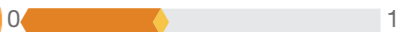
RANK: 57/84 PROVINCES ASSESSED

**1.06**  
Female to male  
secondary school  
enrollment Rate

**0.51**  
Labor force  
participation ratio



### Population Pressures



SCORE: 0.385

RANK: 51/84 PROVINCES ASSESSED

**1.13**  
Population  
growth rate  
(2010-2015)

**8.77**  
Average annual  
urban population  
growth rate

**1.8%**  
Informal settlers



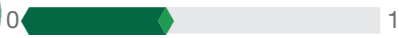
## COPING CAPACITY (CC)

**RANK: 57 / 84 PROVINCES ASSESSED**  
**SCORE: 0.536**

Misamis Occidental exhibits weaker Coping Capacity in the areas of Economic Capacity and Emergency Services Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



### Economic Capacity



**SCORE: 0.398** **RANK: 75/84 PROVINCES ASSESSED**

**0.85**

Purchasing power of the peso

**59.79%**

Labor force participation rate

**1764.03**

Local government annual regular income per capita (Philippine Peso)



### Governance



**SCORE: 0.656** **RANK: 37/84 PROVINCES ASSESSED**

**82.3%**

Voter participation

**3.89**

Organized violence (per 100k persons)

**19.94%**

Garbage pickup



### Environmental Capacity



**SCORE: 0.487** **RANK: 26/84 PROVINCES ASSESSED**

**284.66**

Protected areas (per 1k ha)

**0.4%**

Forest reserves



**Infrastructure Capacity**

0  1 **SCORE: 0.569 RANK: 38/84 PROVINCES ASSESSED**



**Health Care Capacity SCORE: 0.617 RANK: 16/84 PROVINCES ASSESSED**

|                                  |                                 |                         |  |
|----------------------------------|---------------------------------|-------------------------|--|
| <b>10.48</b>                     | <b>3.3</b>                      | <b>70.70%</b>           | <b>5.39</b>                                  |
| Hopital beds<br>(per 10k people) | Physicians per<br>10,000 people | Vaccination<br>coverage | Average distance to nearest<br>hospital (km) |



**Transportation Capacity SCORE: 0.533 RANK: 36/84 PROVINCES ASSESSED**

|                                 |  |
|---------------------------------|--|
| <b>0.72</b>                     | <b>13.75</b>                             |
| Road density<br>(km per sq. km) | Average distance to<br>nearest port (km) |



**Communications Capacity SCORE: 0.701 RANK: 40/84 PROVINCES ASSESSED**

|                            |                 |
|----------------------------|-----------------|
| <b>3.3%</b>                | <b>92.7%</b>    |
| Households with a landline | Mobile coverage |



**Energy Capacity SCORE: 0.578 RANK: 50/84 PROVINCES ASSESSED**

|                             |                     |
|-----------------------------|---------------------|
| <b>78.3%</b>                | <b>11.1%</b>        |
| Households with electricity | Households with gas |



**Emergency Services Capacity SCORE: 0.418 RANK: 48/84 PROVINCES ASSESSED**

|  |                                     |                                   |
|--|-------------------------------------|-----------------------------------|
| <b>15.79</b>                             | <b>1.63</b>                         | <b>2.61</b>                       |
| Evacuation centers<br>(per 100k persons) | Fire Stations<br>(per 100k persons) | Fire Trucks<br>(per 100k persons) |



## RESILIENCE (R)

**RANK: 38 / 84 PROVINCES ASSESSED**  
**SCORE: 0.572**

Misamis Occidental's score and ranking are due to Low Vulnerability combined with Low Coping Capacity scores.

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



**Information Access Vulnerability**



**Vulnerable Health Status**



**Economic Capacity**



**Emergency Services Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 62 / 84 PROVINCES ASSESSED**  
**SCORE: 0.215**



**Tsunami**

**RANK: 54 / 84 PROVINCES ASSESSED**  
**SCORE: 0**



**Flood**

**RANK: 66 / 84 PROVINCES ASSESSED**  
**SCORE: 0.065**



**Liquefaction**

**RANK: 72 / 84 PROVINCES ASSESSED**  
**SCORE: 0.063**



**Landslide**

**RANK: 49 / 84 PROVINCES ASSESSED**  
**SCORE: 0.200**



**Volcano**

**RANK: 49 / 84 PROVINCES ASSESSED**  
**SCORE: 0.098**

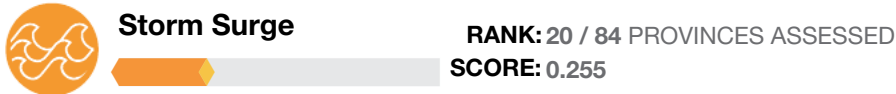
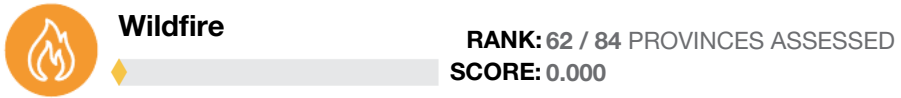


**Drought**

**RANK: 21 / 84 PROVINCES ASSESSED**  
**SCORE: 0.372**



**(HAZARD-SPECIFIC RISK CONTINUED)**



**MULTI-HAZARD RISK (MHR)**

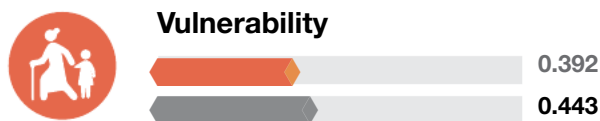
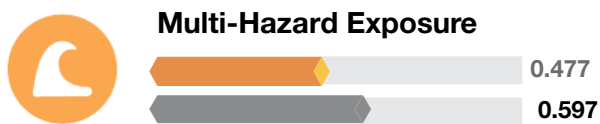
**73 / 84**  
RANK WITHIN PROVINCES  
Score: 0.444



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

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

PROVINCE SCORE  
COUNTRY SCORE



# MISAMIS OCCIDENTAL RECOMMENDATIONS

## 1

### Information Access Vulnerability

- In Misamis Occidental, many homes lack access to radios, television and internet. 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.

## 2

### Vulnerable Health Status

- In Misamis Occidental there are 732 disabled persons per 100,000 population, which is the 8th 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.
- Work toward 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.

## 3

### Economic Capacity

- Misamis Occidental ranked 75th out of the 84 territories in economic capacity. Continue to encourage programs that diversify the economy in Misamis Occidental to generate public revenue and create new job opportunities. Pursue policies that balance inflation rates and create equal opportunities for employment.
- Increase government efforts to provide inclusive economic growth by creating policies that promote competition, private sector investment and industries that create higher paying jobs.

# 4

## 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.
- 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.

**Better solutions.  
Fewer disasters.**

# Safer world.

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