



**THE PHILIPPINES**

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**DAVAO ORIENTAL**

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**NDPBA PROVINCE PROFILE**

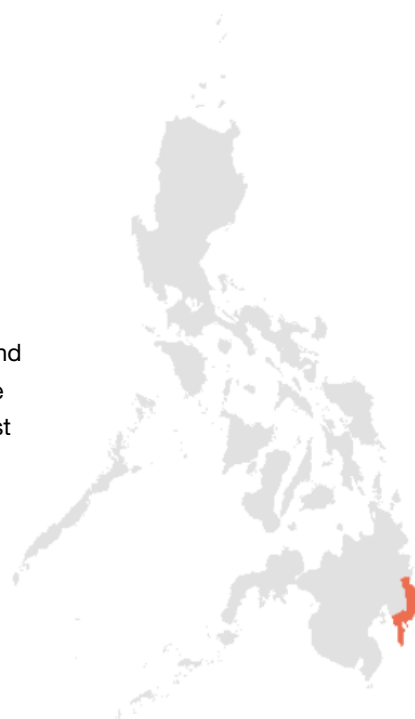
# THE PHILIPPINES

## DAVAO ORIENTAL

### CAPITAL: CITY OF MATI

Area: 5,680 km<sup>2</sup>

Davao Oriental is a province in the Philippines located in the Davao Region in Mindanao. Davao Oriental borders the province of Davao de Oro to the west, and Agusan del Sur and Surigao del Sur to the north. It is the easternmost province in the country with Pusan Point in the municipality of Caraga as the easternmost location. The Philippine Sea faces Davao Oriental to the east. Part of the province lies on an unnamed peninsula that encloses the Davao Gulf to the west. It is the top producer of Coconuts in the Philippines.



### RISK AND VULNERABILITY COMPONENT SCORE



#### MULTI-HAZARD RISK (MHR) - Medium

Score: 0.489 • Rank: 50/84



#### RESILIENCE (R) - Low

Score: 0.543 • Rank: 55/84



#### MULTI-HAZARD EXPOSURE (MHE) - Low

Score: 0.552 • Rank: 57/84



#### VULNERABILITY (V) - Medium

Score: 0.431 • Rank: 44/84



#### COPING CAPACITY (CC) - Low

Score: 0.517 • Rank: 63/84



Population (2018)

**572,048**



Population in Poverty

**27.7%**



Literate population

**97.4%**



Access to improved water

**100.0%**



Average life expectancy

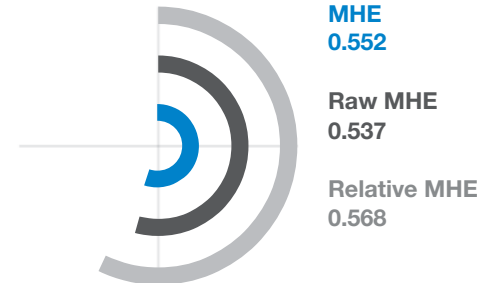
**68.4 years**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 57 / 84 PROVINCES  
SCORE: 0.552



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



Earthquake

**92%**

527,687

\$2.6 Billion



Tsunami

**1%**

6,594

\$23.7 Million



Flood

**29%**

168,525

\$1.1 Billion



Liquefaction

**9%**

49,268

\$163.9 Million



Landslide

**28%**

158,182

\$691.9 Million



Volcano

**<1%**

1,706

\$8.2 Million



Drought

**85%**

486,713

\$2.5 Billion



Wildfire

**5%**

26,322

\$89.8 Million



Storm Surge

**22%**

125,350

\$442.3 Million



Typhoon Winds

**29%**

165,547

\$549 Million



## VULNERABILITY (V)

**RANK: 44 / 84 PROVINCES ASSESSED**
**SCORE: 0.431**

Vulnerability in Davao Oriental is primarily driven by Gender Inequality and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



### Environmental Stress

**SCORE: 0.308 RANK: 73/84 PROVINCES ASSESSED**

**0.91** Livestock density  
**2.45** Barren land (per 10k hectares)  
**1.97%** Forest cover change



### Vulnerable Health Status

**SCORE: 0.439 RANK: 42/84 PROVINCES ASSESSED**

**3.9%** Malnutrition among children (0 to 5 years old)  
**5.85** Infant mortality rate (per 1k live births)  
**64.97** Maternal mortality rate (per 100k live births)  
**68.42** Life expectancy  
**402** Disability (per 100k persons)  
**19** Tuberculosis mortality rate (per 100k persons)  
**0** HIV mortality rate (per 100k persons)  
**4.5** Intestinal disease mortality rate (per 100k persons)  
**4.9** Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



### Clean Water Vulnerability

**SCORE: 0.036 RANK: 82/84 PROVINCES ASSESSED**

**100.0%** Households with improved safe water source  
**94.7%** Households with sanitary toilet facility



### Information Access Vulnerability

**SCORE: 0.54 RANK: 28/84 PROVINCES ASSESSED**

**97.35%** Literacy rate (age 10 and older)  
**125.06%** Gross primary school enrollment rate  
**1.95%** Internet Access  
**52.95%** Households with radio  
**43.65%** Households with television



### Economic Constraints



SCORE: 0.598

RANK: 16/84 PROVINCES ASSESSED

**0.65**

Economic  
dependency  
ratio

**27.70%**

Poverty  
incidence



### Gender Inequality



SCORE: 0.683

RANK: 9/84 PROVINCES ASSESSED

**1.14**

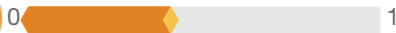
Female to male  
secondary school  
enrollment Rate

**0.37**

Labor force  
participation ratio



### Population Pressures



SCORE: 0.414

RANK: 39/84 PROVINCES ASSESSED

**1.47**

Population  
growth rate  
(2010-2015)

**4.42**

Average annual  
urban population  
growth rate

**2.3%**

Informal settlers



## COPING CAPACITY (CC)

**RANK: 63 / 84 PROVINCES ASSESSED**  
**SCORE: 0.517**

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



### Economic Capacity



**SCORE: 0.536**

**RANK: 34/84 PROVINCES ASSESSED**

**0.87**

Purchasing power of the peso

**65.00%**

Labor force participation rate

**2269.77**

Local government annual regular income per capita (Philippine Peso)



### Governance



**SCORE: 0.661**

**RANK: 34/84 PROVINCES ASSESSED**

**85.6%**

Voter participation

**8.72**

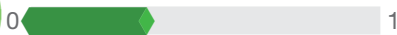
Organized violence (per 100k persons)

**19.09%**

Garbage pickup



### Environmental Capacity



**SCORE: 0.342**

**RANK: 48/84 PROVINCES ASSESSED**

**2.77**

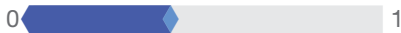
Protected areas (per 1k ha)

**7.8%**

Forest reserves



### Infrastructure Capacity



SCORE: 0.412 RANK: 74/84 PROVINCES ASSESSED



### Health Care Capacity

SCORE: 0.408 RANK: 62/84 PROVINCES ASSESSED

**7.74**

Hospital beds  
(per 10k people)

**1.24**

Physicians per  
10,000 people

**61.18%**

Vaccination  
coverage

**7.53**

Average distance to nearest  
hospital (km)



### Transportation Capacity

SCORE: 0.304 RANK: 74/84 PROVINCES ASSESSED

**0.53**

Road density  
(km per sq. km)

**32.2**

Average distance to  
nearest port (km)



### Communications Capacity

SCORE: 0.634 RANK: 52/84 PROVINCES ASSESSED

**1.6%**

Households with a landline

**93.4%**

Mobile coverage



### Energy Capacity

SCORE: 0.426 RANK: 66/84 PROVINCES ASSESSED

**68.7%**

Households with electricity

**6.4%**

Households with gas



### Emergency Services Capacity

SCORE: 0.445 RANK: 44/84 PROVINCES ASSESSED

**11.82**

Evacuation centers  
(per 100k persons)

**2.08**

Fire Stations  
(per 100k persons)

**2.78**

Fire Trucks  
(per 100k persons)



## RESILIENCE (R)

RANK: 55 / 84 PROVINCES ASSESSED

SCORE: 0.543

Davao Oriental's score and ranking are due to Medium Vulnerability combined with Low Coping Capacity scores.

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



Gender  
Inequality



Economic  
Constraints



Health Care  
Capacity



Transportation  
Capacity



## HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 44 / 84 PROVINCES ASSESSED

SCORE: 0.263



Tsunami

RANK: 14 / 84 PROVINCES ASSESSED

SCORE: 0.147



Flood

RANK: 52 / 84 PROVINCES ASSESSED

SCORE: 0.145



Liquefaction

RANK: 74 / 84 PROVINCES ASSESSED

SCORE: 0.061



Landslide

RANK: 12 / 84 PROVINCES ASSESSED

SCORE: 0.307



Volcano

RANK: 41 / 84 PROVINCES ASSESSED

SCORE: 0.105



Drought

RANK: 14 / 84 PROVINCES ASSESSED

SCORE: 0.397

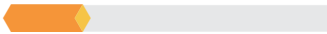


### (HAZARD-SPECIFIC RISK CONTINUED)



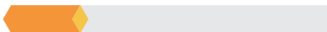
#### Wildfire

RANK: 43 / 84 PROVINCES ASSESSED  
SCORE: 0.208



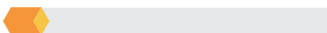
#### Storm Surge

RANK: 38 / 84 PROVINCES ASSESSED  
SCORE: 0.201



#### Typhoon Winds

RANK: 64 / 84 PROVINCES ASSESSED  
SCORE: 0.088



## MULTI-HAZARD RISK (MHR)

**50 / 84**

RANK WITHIN PROVINCES  
Score: 0.489



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

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

PROVINCE SCORE  
COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



# DAVAO ORIENTAL RECOMMENDATIONS

## 1

### Gender Inequality

- Continue efforts to monitor and reduce gender-based discrimination and bias. Focus efforts on enforcing equal employment opportunities and empowering women to continue their education. Economic constraints also greatly influence vulnerabilities in Davao Oriental. Expand gainful employment opportunities for women to increase the size of the labor force and decrease poverty rates.
- Actively engage women and other marginalized groups in disaster management and community plans. Provide equal opportunities throughout society to reduce disparities and incorporate feedback mechanisms into policies and programs to ensure effective implementation.

## 2

### Economic Constraints

- In Davao Oriental, 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.
- Gender inequality is another major driver of vulnerability in Davao Oriental. Empower women to join the workforce and promote equal opportunity job growth. Invest in small and local businesses, especially in rural and remote areas.

## 3

### Health Care Capacity

- Findings show that Davao Oriental's health care capacity ranks 79th out of the 84 territories in the Philippines. Average distance to hospitals (11.29 kilometers) and hospital beds (1.71 per 10,000 persons) are ranked 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

**Transportation Capacity**

- Continue 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, increase access to markets and enhance 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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