



**THE PHILIPPINES**

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# **LANAO DEL NORTE**

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**NDPBA PROVINCE PROFILE**

# THE PHILIPPINES

## LANAO DEL NORTE

### CAPITAL: TUBOD

Area: 3,354 km<sup>2</sup>

Lanao del Norte officially the Province of Lanao del Norte, is a province in the Philippines located in the Northern Mindanao region. The province borders Lanao del Sur to the southeast, Zamboanga del Sur to the west, Illana Bay to the southwest, Iligan Bay to the north, Iligan City to the northeast, and is separated from Misamis Occidental by Panguil Bay to the northwest. Lanao del Norte is a rugged province that ranges from the coastal shorelines in the north to the high plateaus and mountains in the south. The economy is largely agricultural and based on production of crops and fishing.



## RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - Medium**  
Score: 0.507 • Rank: 38/84



**RESILIENCE (R) - Very Low**  
Score: 0.491 • Rank: 69/84



**MULTI-HAZARD EXPOSURE (MHE) - Low**  
Score: 0.504 • Rank: 65/84



**VULNERABILITY (V) - High**  
Score: 0.497 • Rank: 18/84



**COPING CAPACITY (CC) - Very Low**  
Score: 0.479 • Rank: 69/84



Population (2018)  
**994,238**



Population in Poverty  
**19.0%**



Literate population  
**97.0%**



Access to improved water  
**83.1%**



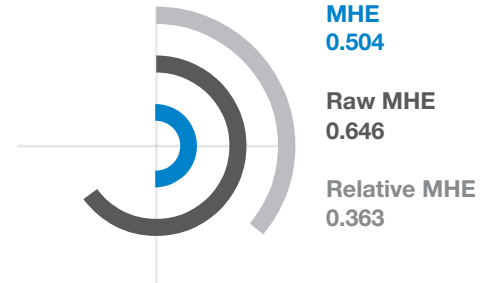
Average life expectancy  
**67.7 years**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 65 / 84 PROVINCES  
SCORE: 0.504



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



Earthquake

**96%**

**950,423**  
**\$10 Billion**



Tsunami

-  
-  
-



Flood

**34%**

**337,055**  
**\$5.9 Billion**



Liquefaction

**12%**  
**121,519**  
**\$311.2 Million**



Landslide

**12%**

**124,079**  
**\$913.4 Million**



Volcano

**<1%**  
**2,986**  
**\$30.6 Million**



Drought

**53%**

**530,954**  
**\$1.6 Billion**



Wildfire

-  
-  
-



Storm Surge

**15%**

**147,333**  
**\$1.7 Billion**



Typhoon Winds

-  
-  
-





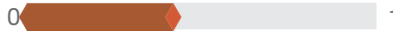
## VULNERABILITY (V)

**RANK: 18 / 84 PROVINCES ASSESSED**  
**SCORE: 0.497**

Vulnerability in Lanao del Norte is primarily driven by Gender Inequality and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



### Environmental Stress

0  1 **SCORE: 0.425** **RANK: 53/84** PROVINCES ASSESSED

**2.31** Livestock density  
**6.26** Barren land (per 10k hectares)  
**2.58%** Forest cover change



### Vulnerable Health Status

0  1 **SCORE: 0.401** **RANK: 60/84** PROVINCES ASSESSED

**4.3%** Malnutrition among children (0 to 5 years old)  
**1.37** Infant mortality rate (per 1k live births)  
**0** Maternal mortality rate (per 100k live births)  
**67.72** Life expectancy  
**455** Disability (per 100k persons)

**24.2** Tuberculosis mortality rate (per 100k persons)  
**0** HIV mortality rate (per 100k persons)  
**5.2** Intestinal disease mortality rate (per 100k persons)  
**2.4** Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



### Clean Water Vulnerability

0  1 **SCORE: 0.582** **RANK: 17/84** PROVINCES ASSESSED

**83.1%** Households with improved safe water source  
**79.8%** Households with sanitary toilet facility




### Information Access Vulnerability

0  1 **SCORE: 0.559** **RANK: 20/84** PROVINCES ASSESSED

**96.97%** Literacy rate (age 10 and older)  
**99.29%** Gross primary school enrollment rate  
**5.59%** Internet Access  
**60.28%** Households with radio  
**62.09%** Households with television



### Economic Constraints


0  1 **SCORE: 0.499** **RANK: 29/84** PROVINCES ASSESSED

**0.66**  
Economic  
dependency  
ratio

**19.04%**  
Poverty  
incidence



### Gender Inequality

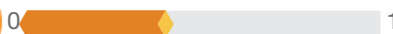
0  1 **SCORE: 0.607** **RANK: 11/84** PROVINCES ASSESSED

**1.12**  
Female to male  
secondary school  
enrollment Rate

**0.4**  
Labor force  
participation ratio



### Population Pressures

0  1 **SCORE: 0.403** **RANK: 44/84** PROVINCES ASSESSED

**1.6**  
Population  
growth rate  
(2010-2015)

**2.64**  
Average annual  
urban population  
growth rate

**2.3%**  
Informal settlers



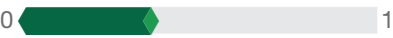
# COPING CAPACITY (CC)

**RANK: 69 / 84 PROVINCES ASSESSED**  
**SCORE: 0.479**

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



## Economic Capacity



**SCORE: 0.363** **RANK: 78/84** PROVINCES ASSESSED

**0.83**

Purchasing power of the peso

**65.42%**

Labor force participation rate

**1172.56**

Local government annual regular income per capita (Philippine Peso)



## Governance



**SCORE: 0.591** **RANK: 56/84** PROVINCES ASSESSED

**77.7%**

Voter participation

**4.41**

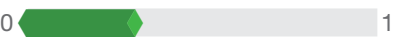
Organized violence (per 100k persons)

**30.48%**

Garbage pickup



## Environmental Capacity



**SCORE: 0.317** **RANK: 56/84** PROVINCES ASSESSED

**0**

Protected areas (per 1k ha)

**17.5%**

Forest reserves



### Infrastructure Capacity

0 1 **SCORE: 0.537** **RANK: 49/84** PROVINCES ASSESSED



### Health Care Capacity **SCORE: 0.562** **RANK: 26/84** PROVINCES ASSESSED

<b>5.56</b>	<b>1.26</b>	<b>86.52%</b>	<b>6.2</b>
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



### Transportation Capacity **SCORE: 0.439** **RANK: 54/84** PROVINCES ASSESSED

<b>0.74</b>	<b>23.74</b>
Road density (km per sq. km)	Average distance to nearest port (km)



### Communications Capacity **SCORE: 0.744** **RANK: 32/84** PROVINCES ASSESSED

<b>7.7%</b>	<b>89.3%</b>
Households with a landline	Mobile coverage



### Energy Capacity **SCORE: 0.629** **RANK: 42/84** PROVINCES ASSESSED

<b>77.9%</b>	<b>16.9%</b>
Households with electricity	Households with gas



### Emergency Services Capacity **SCORE: 0.324** **RANK: 68/84** PROVINCES ASSESSED

<b>13.46</b>	<b>1.33</b>	<b>1.52</b>
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



## RESILIENCE (R)

**RANK: 69 / 84 PROVINCES ASSESSED**  
**SCORE: 0.491**

Lanao del Norte's score and ranking are due to High Vulnerability combined with Very Low Coping Capacity scores.

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



**Gender Inequality**



**Clean Water Access Vulnerability**



**Emergency Services Capacity**



**Economic Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 6 / 84 PROVINCES ASSESSED**  
**SCORE: 0.391**



**Tsunami**

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



**Flood**

**RANK: 23 / 84 PROVINCES ASSESSED**  
**SCORE: 0.250**



**Liquefaction**

**RANK: 65 / 84 PROVINCES ASSESSED**  
**SCORE: 0.087**



**Landslide**

**RANK: 13 / 84 PROVINCES ASSESSED**  
**SCORE: 0.292**



**Volcano**

**RANK: 24 / 84 PROVINCES ASSESSED**  
**SCORE: 0.144**

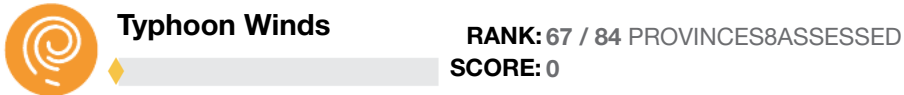
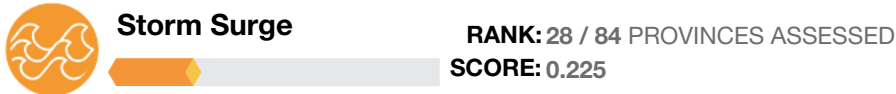
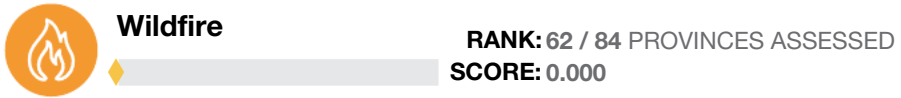


**Drought**

**RANK: 29 / 84 PROVINCES ASSESSED**  
**SCORE: 0.300**



**(HAZARD-SPECIFIC RISK CONTINUED)**



**MULTI-HAZARD RISK (MHR)**

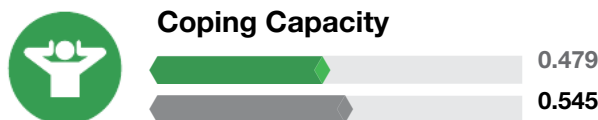
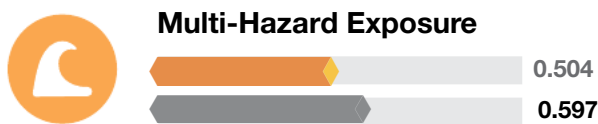
**38 / 84**  
RANK WITHIN PROVINCES  
Score: 0.507



Lanao del Norte’s score and ranking are due to Low Multi-hazard exposure combined with High Vulnerability and Very Low Coping Capacity scores.

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

PROVINCE SCORE  
COUNTRY SCORE



# LANAO DEL NORTE 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. Build upon existing accomplishments, including the work related to the UN Sustainable Development Goals.
- 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

### Clean Water Access Vulnerability

- The results show that in Lanao del Norte 53% of the population is exposed to drought hazards. Invest in improved water and sanitation infrastructure to ensure safe access to water. With climate change likely to influence more frequent and severe drought conditions, measures to reduce clean water vulnerabilities will decrease current and future risks.

## 3

### Emergency Services Capacity

- In Lanao del Norte, there are 1.52 fire trucks per 100,000 persons, which is the 12th lowest in the Philippines. 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.

# 4

## Economic Capacity

- Lanao del Norte ranked 78th out of the 84 territories in economic capacity. Purchasing power of the peso is 0.83, the 8th lowest in the Philippines. Continue to encourage programs that diversify the economy in Lanao del Norte to generate public revenue and create new job opportunities. Pursue policies that balance inflation rates and create equal opportunities for employment.

**Better solutions.  
Fewer disasters.**

# Safer world.

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