



**THE PHILIPPINES**

# **ZAMBOANGA DEL NORTE**

**NDPBA PROVINCE PROFILE**

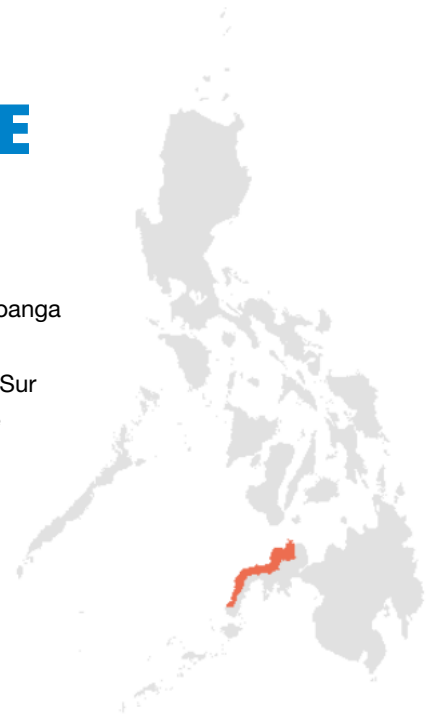
# THE PHILIPPINES

## ZAMBOANGA DEL NORTE

### CAPITAL: CITY OF DIPOLOG

Area: 7,300 km<sup>2</sup>

Zamboanga del Norte is a province in the Philippines situated within the Zamboanga Peninsula region in Mindanao. It is the largest province in the Zamboanga Peninsula region by land area. Zamboanga Del Norte borders Zamboanga del Sur and Zamboanga Sibugay to the south, Misamis Occidental to the east, and the Sulu Sea to the west. It is the 26th most popular province in the Philippines. Roughly half of its land area is devoted to agriculture with coconut, corn, and rice being the major crops. Commercial fishing for yellow fin tuna also contributes to their economy.



### RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - Medium**  
Score: 0.503 • Rank: 40/84



**RESILIENCE (R) - Very Low**  
Score: 0.481 • Rank: 71/84



**MULTI-HAZARD EXPOSURE (MHE) - Very Low**  
Score: 0.472 • Rank: 72/84



**VULNERABILITY (V) - Very High**  
Score: 0.525 • Rank: 15/84



**COPING CAPACITY (CC) - Low**  
Score: 0.487 • Rank: 67/84



Population (2018)  
**1,040,025**



Population in Poverty  
**36.8%**



Literate population  
**95.9%**



Access to improved water  
**83.5%**



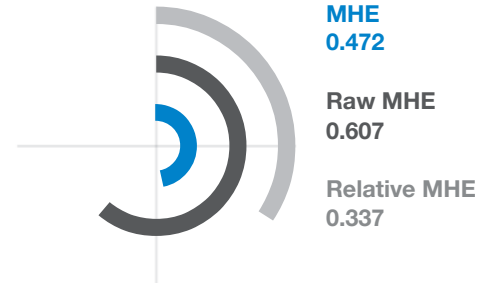
Average life expectancy  
**68.1 years**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 72 / 84 PROVINCES  
SCORE: 0.472



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



Earthquake

**84%**

**876,254**  
**\$5.5 Billion**



Tsunami

-

-

-



Flood

**17%**

**177,398**  
**\$1.3 Billion**



Liquefaction

**5%**

**51,785**  
**\$521.2 Million**



Landslide

**30%**

**314,232**  
**\$2.4 Billion**



Volcano

-

-

-



Drought

**33%**

**343,966**  
**\$2.4 Billion**



Wildfire

**4%**

**43,087**  
**\$155.9 Million**



Storm Surge

**24%**

**250,650**  
**\$2.3 Billion**



Typhoon Winds

-

-

-



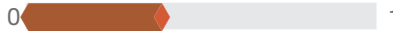
## VULNERABILITY (V)

**RANK: 15 / 84 PROVINCES ASSESSED**  
**SCORE: 0.525**

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



### Environmental Stress

0  1 **SCORE: 0.388** **RANK: 59/84 PROVINCES ASSESSED**

**0.99** Livestock density  
**9.62** Barren land (per 10k hectares)  
**1.73%** Forest cover change



### Vulnerable Health Status

0  1 **SCORE: 0.53** **RANK: 20/84 PROVINCES ASSESSED**

**7.3%** Malnutrition among children (0 to 5 years old)  
**1.78** Infant mortality rate (per 1k live births)  
**51.8** Maternal mortality rate (per 100k live births)  
**68.06** Life expectancy  
**809** Disability (per 100k persons)

**21.9** Tuberculosis mortality rate (per 100k persons)  
**0** HIV mortality rate (per 100k persons)  
**6.6** Intestinal disease mortality rate (per 100k persons)  
**0.6** Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



### Clean Water Vulnerability

0  1 **SCORE: 0.475** **RANK: 32/84 PROVINCES ASSESSED**

**83.5%** Households with improved safe water source  
**89.5%** Households with sanitary toilet facility




### Information Access Vulnerability

0  1 **SCORE: 0.614** **RANK: 13/84 PROVINCES ASSESSED**

**95.89%** Literacy rate (age 10 and older)  
**120.44%** Gross primary school enrollment rate  
**2.01%** Internet Access  
**51.57%** Households with radio  
**37.13%** Households with television



### Economic Constraints

0  1 **SCORE: 0.752** **RANK: 7/84** PROVINCES ASSESSED

**0.68**  
Economic  
dependency  
ratio

**36.77%**  
Poverty  
incidence



### Gender Inequality

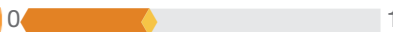
0  1 **SCORE: 0.567** **RANK: 17/84** PROVINCES ASSESSED

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

**0.43**  
Labor force  
participation ratio



### Population Pressures

0  1 **SCORE: 0.351** **RANK: 62/84** PROVINCES ASSESSED

**1.04**  
Population  
growth rate  
(2010-2015)

**9.09**  
Average annual  
urban population  
growth rate

**1.5%**  
Informal settlers



## COPING CAPACITY (CC)

**RANK: 67 / 84 PROVINCES ASSESSED**  
**SCORE: 0.487**

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



### Economic Capacity



**SCORE: 0.449** **RANK: 60/84 PROVINCES ASSESSED**

**0.84**

Purchasing power of the peso

**66.63%**

Labor force participation rate

**1729.3**

Local government annual regular income per capita (Philippine Peso)



### Governance



**SCORE: 0.609** **RANK: 51/84 PROVINCES ASSESSED**

**82.8%**

Voter participation

**5.13**

Organized violence (per 100k persons)

**12.38%**

Garbage pickup



### Environmental Capacity



**SCORE: 0.442** **RANK: 32/84 PROVINCES ASSESSED**

**0**

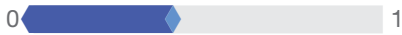
Protected areas (per 1k ha)

**57.7%**

Forest reserves



### Infrastructure Capacity



SCORE: 0.418 RANK: 71/84 PROVINCES ASSESSED



### Health Care Capacity SCORE: 0.411 RANK: 61/84 PROVINCES ASSESSED

<b>3.75</b>	<b>1.68</b>	<b>67.15%</b>	<b>7.92</b>
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



### Transportation Capacity SCORE: 0.441 RANK: 53/84 PROVINCES ASSESSED

<b>0.57</b>	<b>19.25</b>
Road density (km per sq. km)	Average distance to nearest port (km)



### Communications Capacity SCORE: 0.388 RANK: 74/84 PROVINCES ASSESSED

<b>1.9%</b>	<b>72.4%</b>
Households with a landline	Mobile coverage



### Energy Capacity SCORE: 0.358 RANK: 74/84 PROVINCES ASSESSED

<b>60.8%</b>	<b>6.4%</b>
Households with electricity	Households with gas



### Emergency Services Capacity SCORE: 0.493 RANK: 35/84 PROVINCES ASSESSED

<b>17.62</b>	<b>2.05</b>	<b>3.31</b>
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



## RESILIENCE (R)

**RANK: 71 / 84 PROVINCES ASSESSED**  
**SCORE: 0.481**

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

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



**Economic Constraints**



**Information Access Vulnerability**



**Energy Capacity**



**Communications Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 35 / 84 PROVINCES ASSESSED**  
**SCORE: 0.279**



**Tsunami**

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



**Flood**

**RANK: 58 / 84 PROVINCES ASSESSED**  
**SCORE: 0.122**



**Liquefaction**

**RANK: 68 / 84 PROVINCES ASSESSED**  
**SCORE: 0.078**



**Landslide**

**RANK: 2 / 84 PROVINCES ASSESSED**  
**SCORE: 0.450**



**Volcano**

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

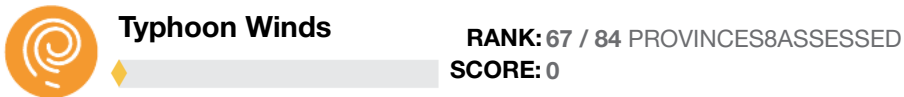
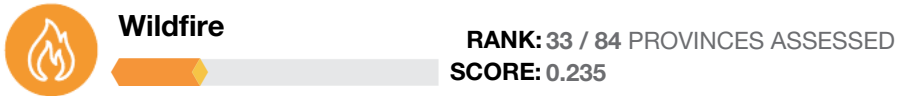


**Drought**

**RANK: 27 / 84 PROVINCES ASSESSED**  
**SCORE: 0.305**



**(HAZARD-SPECIFIC RISK CONTINUED)**



**MULTI-HAZARD RISK (MHR)**

**41 / 84**

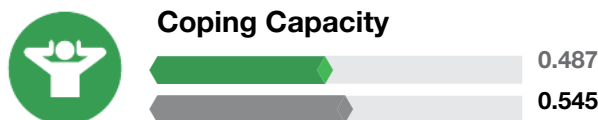
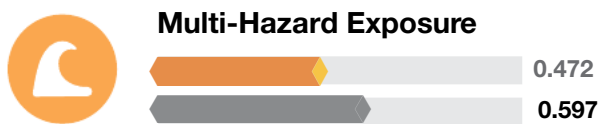
RANK WITHIN PROVINCES  
Score: 0.503



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

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

PROVINCE SCORE  
COUNTRY SCORE



# ZAMBOANGA DEL NORTE RECOMMENDATIONS

## 1

### Economic Constraints

- In Zamboanga del Norte, 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.

## 2

### Information Access Vulnerability

- In Zamboanga del Norte, many homes lack access to radios, television and internet. In particular, only 37% of households have access to televisions, which is 4th 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.

## 3

### Energy Capacity

- Findings show that Zamboanga del Norte is ranked 74th out of the 84 territories for energy capacity, with 60.8% of households having access to electricity. Additionally, only 6.4% 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

## Communications Capacity

- Zamboanga del Norte ranks 74th out of the 84 territories for communications capacity. This indicates that there is a need to expand communication networks to better serve the public. Findings show that less than 2% of households have access to landlines and only 72% of barangays have cellular signal. Invest in diverse types of communications infrastructure that focus on affordability and redundancy.
- The population of Zamboanga del Norte is vulnerable due to economic constraints, limitations in access to information and energy capacity. Expansions in communication infrastructure needs to be complimented by efforts to ensure affordability and access. The use of emergency sirens should be expanded in the meantime.

**Better solutions.  
Fewer disasters.**

# Safer world.

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