



**THE PHILIPPINES**

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# **MOUNTAIN PROVINCE**

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**NDPBA PROVINCE PROFILE**

# THE PHILIPPINES

## MOUNTAIN PROVINCE

### CAPITAL: BONTOC

Area: 2,389 km<sup>2</sup>

Mountain Province is a landlocked province of the Philippines in the Cordillera Administrative Region in Luzon. The province is named after Cordillera Central mountain range found in the upper realms of Luzon island. The province is bordered on the north by Kalinga, south by Ifugao, southwest by Benguet, west by Ilocos Sur, and northwest by Abra. The economy is largely based on agriculture with tourism also providing some income.



### RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - Very Low**  
Score: 0.387 • Rank: 80/84



**RESILIENCE (R) - Very High**  
Score: 0.665 • Rank: 5/84



**MULTI-HAZARD EXPOSURE (MHE) - Medium**  
Score: 0.492 • Rank: 37/84



**VULNERABILITY (V) - Very Low**  
Score: 0.323 • Rank: 67/84



**COPING CAPACITY (CC) - Very High**  
Score: 0.653 • Rank: 6/84



Population (2018)  
**158,114**



Population in Poverty  
**17.2%**



Literate population  
**95.9%**



Access to improved water  
-



Average life expectancy  
**68.8 years**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 37 / 84 PROVINCES  
SCORE: 0.492



MHE  
0.492

Raw MHE  
0.343

Relative MHE  
0.641

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



Earthquake

**100%**

**158,114**

**\$887.4 Million**



Tsunami

-

-

-



Flood

-

-

-



Liquefaction

**9%**

**14,683**

**\$76.5 Million**



Landslide

**73%**

**115,053**

**\$595.2 Million**



Volcano

-

-

-



Drought

**10%**

**15,419**

**\$166.9 Million**



Wildfire

**37%**

**58,852**

**\$341 Million**



Storm Surge

-

-

-



Typhoon Winds

**100%**

**158,114**

**\$887.4 Million**




## VULNERABILITY (V)

**RANK: 76 / 84 PROVINCES ASSESSED**  
**SCORE: 0.323**

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



### Environmental Stress

0  1 **SCORE: 0.469** **RANK: 44/84** PROVINCES ASSESSED

<b>4.22</b> Livestock density	<b>0.51</b> Barren land (per 10k hectares)	<b>-1.01%</b> Forest cover change
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### Vulnerable Health Status

0  1 **SCORE: 0.358** **RANK: 67/84** PROVINCES ASSESSED

<b>5.9%</b> Malnutrition among children (0 to 5 years old)	<b>11.99</b> Infant mortality rate (per 1k live births)	<b>0</b> Maternal mortality rate (per 100k live births)	<b>68.8</b> Life expectancy	<b>389</b> Disability (per 100k persons)
<b>4.9</b> Tuberculosis mortality rate (per 100k persons)	<b>0</b> HIV mortality rate (per 100k persons)	<b>4.9</b> Intestinal disease mortality rate (per 100k persons)	<b>1.2</b> Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)	



### Clean Water Vulnerability

0  1 **SCORE: 0.21** **RANK: 77/84** PROVINCES ASSESSED

<b>91.6%</b> Households with improved safe water source	<b>91.6%</b> Households with sanitary toilet facility
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### Information Access Vulnerability

0  1 **SCORE: 0.569** **RANK: 17/84** PROVINCES ASSESSED

<b>95.86%</b> Literacy rate (age 10 and older)	<b>113.06%</b> Gross primary school enrollment rate	<b>2.10%</b> Internet Access	<b>60.80%</b> Households with radio	<b>53.59%</b> Households with television
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### Economic Constraints

0  1 **SCORE: 0.423** **RANK: 41/84** PROVINCES ASSESSED

**0.62**  
Economic  
dependency  
ratio

**17.18%**  
Poverty  
incidence



### Gender Inequality

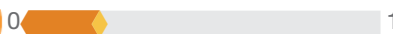
0  1 **SCORE: 0.024** **RANK: 83/84** PROVINCES ASSESSED

**1.02**  
Female to male  
secondary school  
enrollment Rate

**0.74**  
Labor force  
participation ratio



### Population Pressures

0  1 **SCORE: 0.207** **RANK: 81/84** PROVINCES ASSESSED

**0.05**  
Population  
growth rate  
(2010-2015)

**13.49**  
Average annual  
urban population  
growth rate

**0.5%**  
Informal settlers




## COPING CAPACITY (CC)

**RANK: 6 / 84 PROVINCES ASSESSED**  
**SCORE: 0.653**

Mountain Province exhibits weaker Coping Capacity in the areas of Governance and Communications Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



### Economic Capacity

0  1 **SCORE: 0.862** **RANK: 2/84 PROVINCES ASSESSED**

**0.92**

Purchasing power of the peso

**84.71%**


Labor force participation rate

**4293.04**

Local government annual regular income per capita (Philippine Peso)



### Governance

0  1 **SCORE: 0.476** **RANK: 72/84 PROVINCES ASSESSED**

**79.4%**

Voter participation

**8.33**


Organized violence (per 100k persons)

**9.66%**

Garbage pickup



### Environmental Capacity

0  1 **SCORE: 0.472** **RANK: 30/84 PROVINCES ASSESSED**

**0**

Protected areas (per 1k ha)

**76.1%**

Forest reserves



### Infrastructure Capacity

0  1 **SCORE: 0.68** **RANK: 13/84** PROVINCES ASSESSED



### Health Care Capacity **SCORE: 0.873** **RANK: 1/84** PROVINCES ASSESSED

<b>22.25</b> Hospital beds (per 10k people)	<b>9.06</b> Physicians per 10,000 people	<b>73.18%</b> Vaccination coverage	<b>0.95</b> Average distance to nearest hospital (km)
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### Transportation Capacity **SCORE: 0.558** **RANK: 31/84** PROVINCES ASSESSED

<b>0.55</b> Road density (km per sq. km)	<b>6.69</b> Average distance to nearest port (km)
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### Communications Capacity **SCORE: 0.556** **RANK: 58/84** PROVINCES ASSESSED

<b>0.5%</b> Households with a landline	<b>97%</b> Mobile coverage
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### Energy Capacity **SCORE: 0.811** **RANK: 18/84** PROVINCES ASSESSED

<b>82.9%</b> Households with electricity	<b>49.8%</b> Households with gas
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### Emergency Services Capacity **SCORE: 0.919** **RANK: 4/84** PROVINCES ASSESSED

<b>54.99</b> Evacuation centers (per 100k persons)	<b>6.43</b> Fire Stations (per 100k persons)	<b>7.07</b> Fire Trucks (per 100k persons)
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## RESILIENCE (R)

**RANK: 5 / 84 PROVINCES ASSESSED**  
**SCORE: 0.665**

Mountain Province's score and ranking are due to Very Low Vulnerability combined with Very High Coping Capacity scores.

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



**Information  
Access  
Vulnerability**



**Environmental  
Stress**



**Governance**



**Communications  
Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 69 / 84 PROVINCES ASSESSED**  
**SCORE: 0.190**



**Tsunami**

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



**Flood**

**RANK: 74 / 84 PROVINCES ASSESSED**  
**SCORE: 0.000**



**Liquefaction**

**RANK: 78 / 84 PROVINCES ASSESSED**  
**SCORE: 0.037**



**Landslide**

**RANK: 33 / 84 PROVINCES ASSESSED**  
**SCORE: 0.252**



**Volcano**

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

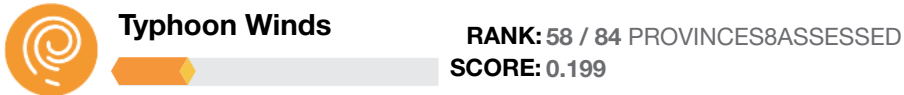
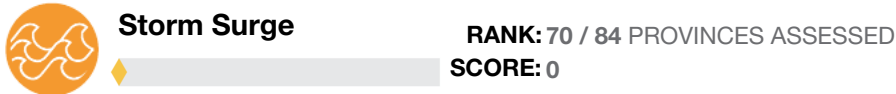
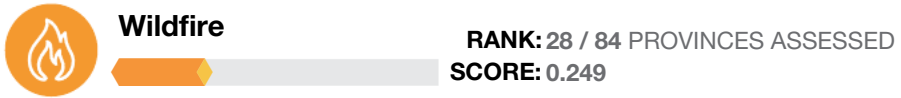


**Drought**

**RANK: 51 / 84 PROVINCES ASSESSED**  
**SCORE: 0.124**



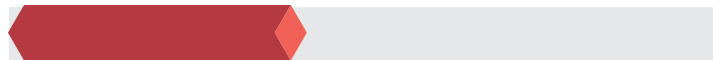
**(HAZARD-SPECIFIC RISK CONTINUED)**



**MULTI-HAZARD RISK (MHR)**

**77 / 84**

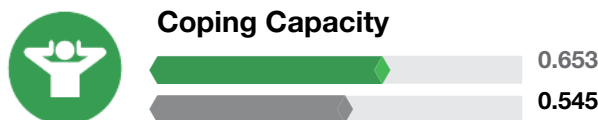
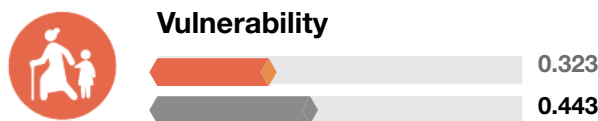
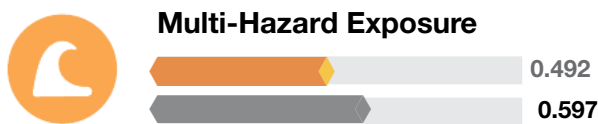
RANK WITHIN PROVINCES  
Score: 0.387



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

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

PROVINCE SCORE  
COUNTRY SCORE



# MOUNTAIN PROVINCE RECOMMENDATIONS

## 1

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### Information Access Vulnerability

- In Mountain Province, 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

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### Environmental Stress

- Forest cover change has also been on a downward trend between 2000 and 2010 (-1.01%). Focus efforts on increasing forest cover, decreasing areas classified as barren land and reduced livestock density.
- The population in Mountain Province is highly exposed to flooding and drought hazards. With climate change, floods and droughts are projected to become more severe and frequent. Work with local communities and diverse partners to promote water and soil conservation through enhanced agricultural practices and reforestation efforts.

## 3

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### Governance

- Continue to work with local and international partners to achieve good governance related goals in Mountain Province. Keep up efforts to expand voter participation, increase government services and maintain peace and security.
- Work with private and public organizations to expand information access in Mountain Province. Government transparency and accountability have been major parts of the good governance agenda. Expanding access to the internet and other forms of media will ensure proper public oversight, increasing trust in the local government.

# 4

## Communications Capacity

- In Mountain Province less than 1% of households report having access to landlines, while nearly 97% of barangays in Mountain Province have cell signal. Focus efforts on investing in landlines and alternative communication networks, such as public radio towers. The population of Mountain Province is highly exposed to typhoons, earthquakes and landslides. Invest in communications infrastructure that is reinforced to withstand hazards and adds redundancy to the communication network.
- Findings show that the population in Mountain Province are also vulnerable due to limitations in access to information. Improvements to communications infrastructure should be paralleled by increased households' access to telecommunication devices. Expand private and public partnerships in the meantime to plan emergency communications.

**Better solutions.  
Fewer disasters.**

# Safer world.

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