



THE PHILIPPINES

IFUGAO

NDPBA PROVINCE PROFILE

THE PHILIPPINES

IFUGAO

CAPITAL: LAGAWE

Area: 2,618 km²

Ifugao is a landlocked province of the Philippines in the Cordillera Administrative Region in Luzon. Ifugao borders Benguet to the west, Mountain Province to the north, Isabela to the east, and Nueva Vizcaya to the south. Ifugao's landscape is characterized by rugged terrain, river valleys, and massive forests. The rice terraces in this province are a UNESCO world heritage site. The province is highly exposed to earthquakes and typhoon winds. In 2019, several storms threatened the province, these included tropical storms Ramon and Falcon.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Medium

Score: 0.502 • Rank: 41/84



RESILIENCE (R) - Medium

Score: 0.563 • Rank: 44/84



MULTI-HAZARD EXPOSURE (MHE) - Medium

Score: 0.632 • Rank: 38/84



VULNERABILITY (V) - High

Score: 0.471 • Rank: 30/84



COPING CAPACITY (CC) - High

Score: 0.596 • Rank: 22/84



Population (2018)

205,909



Population in Poverty

9.8%



Literate population

95.7%



Access to improved water

61.0%



Average life expectancy

68.2 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 38 / 84 PROVINCES
SCORE: 0.632



MHE
0.632

Raw MHE
0.429

Relative MHE
0.835

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

100%

205,909

\$1.2 Billion



Tsunami

-

-

-



Flood

6%

12,699

\$143.4 Million



Liquefaction

9%

19,060

\$198 Million



Landslide

67%

137,999

\$543.7 Million



Volcano

-

-

-



Drought

100%

205,909

\$1.2 Billion



Wildfire

29%

59,677

\$475.5 Million



Storm Surge

-

-

-



Typhoon Winds

100%

205,909

\$1.2 Billion



VULNERABILITY (V)

RANK: 30 / 84 PROVINCES ASSESSED
SCORE: 0.471

Vulnerability in Ifugao is primarily driven by Information Access Vulnerability 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: 0.472** **RANK: 43/84** PROVINCES ASSESSED

1.7 Livestock density	27.64 Barren land (per 10k hectares)	2.90% Forest cover change
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Vulnerable Health Status

0  1 **SCORE: 0.362** **RANK: 66/84** PROVINCES ASSESSED

4.2% Malnutrition among children (0 to 5 years old)	4.9 Infant mortality rate (per 1k live births)	0 Maternal mortality rate (per 100k live births)	68.21 Life expectancy	451 Disability (per 100k persons)
7.6 Tuberculosis mortality rate (per 100k persons)	0 HIV mortality rate (per 100k persons)	2.4 Intestinal disease mortality rate (per 100k persons)	1.9 Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)	



Clean Water Vulnerability

0  1 **SCORE: 0.619** **RANK: 14/84** PROVINCES ASSESSED

61.0% Households with improved safe water source	85.8% Households with sanitary toilet facility
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Information Access Vulnerability

0  1 **SCORE: 0.626** **RANK: 12/84** PROVINCES ASSESSED

95.68% Literacy rate (age 10 and older)	112.32% Gross primary school enrollment rate	0.84% Internet Access	60.49% Households with radio	42.72% Households with television
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Economic Constraints



SCORE: 0.31

RANK: 54/84 PROVINCES ASSESSED

0.61
Economic
dependency
ratio

9.83%
Poverty
incidence



Gender Inequality



SCORE: 0.583

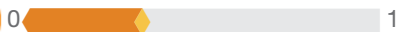
RANK: 15/84 PROVINCES ASSESSED

1.25
Female to male
secondary school
enrollment Rate

0.66
Labor force
participation ratio



Population Pressures



SCORE: 0.326

RANK: 69/84 PROVINCES ASSESSED

1.14
Population
growth rate
(2010-2015)

17.38
Average annual
urban population
growth rate

0.3%
Informal settlers



COPING CAPACITY (CC)

RANK: 22 / 84 PROVINCES ASSESSED
SCORE: 0.596

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



Economic Capacity

0  1 **SCORE: 0.772** **RANK: 7/84 PROVINCES ASSESSED**

0.92

Purchasing power of the peso

70.14%


Labor force participation rate

3589.37

Local government annual regular income per capita (Philippine Peso)



Governance

0  1 **SCORE: 0.607** **RANK: 52/84 PROVINCES ASSESSED**

83.2%

Voter participation

4.33

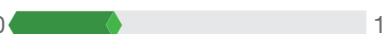
Organized violence (per 100k persons)

10.01%

Garbage pickup



Environmental Capacity

0  1 **SCORE: 0.283** **RANK: 60/84 PROVINCES ASSESSED**

0

Protected areas (per 1k ha)

12.6%

Forest reserves



Infrastructure Capacity

0 1 **SCORE: 0.516 RANK: 56/84 PROVINCES ASSESSED**



Health Care Capacity SCORE: 0.7 RANK: 5/84 PROVINCES ASSESSED

11.25 **4.79** **67.58%** **3.74**
 Hospital beds (per 10k people) Physicians per 10,000 people Vaccination coverage Average distance to nearest hospital (km)



Transportation Capacity SCORE: 0.343 RANK: 68/84 PROVINCES ASSESSED

0.53 **28.27**
 Road density (km per sq. km) Average distance to nearest port (km)



Communications Capacity SCORE: 0.35 RANK: 76/84 PROVINCES ASSESSED

0.3% **83.4%**
 Households with a landline Mobile coverage



Energy Capacity SCORE: 0.532 RANK: 59/84 PROVINCES ASSESSED

62.8% **21.4%**
 Households with electricity Households with gas



Emergency Services Capacity SCORE: 0.812 RANK: 6/84 PROVINCES ASSESSED

97.24 **4.37** **5.34**
 Evacuation centers (per 100k persons) Fire Stations (per 100k persons) Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 44 / 84 PROVINCES ASSESSED
SCORE: 0.563

Ifugao's score and ranking are due to High Vulnerability combined with High Coping Capacity scores.

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



Information Access Vulnerability



Clean Water Access Vulnerability



Transportation Capacity



Communications Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 48 / 84 PROVINCES ASSESSED
SCORE: 0.254



Tsunami

RANK: 54 / 84 PROVINCES ASSESSED
SCORE: 0



Flood

RANK: 68 / 84 PROVINCES ASSESSED
SCORE: 0.040



Liquefaction

RANK: 71 / 84 PROVINCES ASSESSED
SCORE: 0.065



Landslide

RANK: 10 / 84 PROVINCES ASSESSED
SCORE: 0.320



Volcano

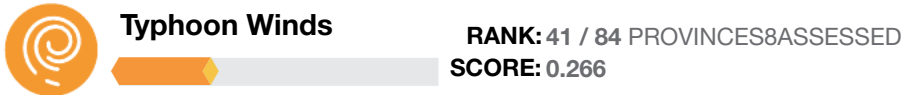
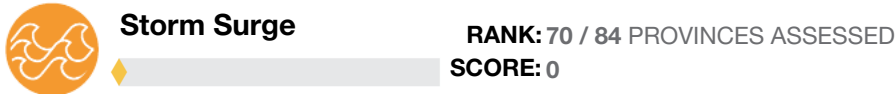
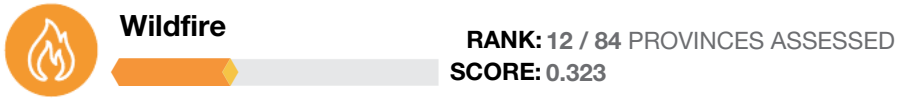
RANK: 68 / 84 PROVINCES ASSESSED
SCORE: 0



Drought

RANK: 15 / 84 PROVINCES ASSESSED
SCORE: 0.391

(HAZARD-SPECIFIC RISK CONTINUED)



MULTI-HAZARD RISK (MHR)

41 / 84

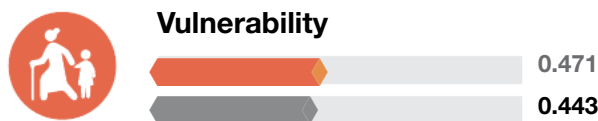
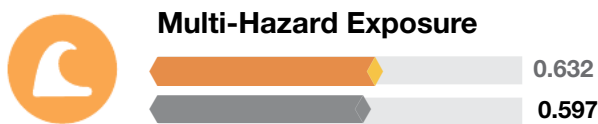
RANK WITHIN PROVINCES
Score: 0.502



Ifugao’s score and ranking are due to Medium Multi-hazard exposure combined with High Vulnerability and High Coping Capacity scores.

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

PROVINCE SCORE
COUNTRY SCORE



IFUGAO RECOMMENDATIONS

1

Information Access Vulnerability

- In Ifugao, many homes lack access to radios, television and internet. Expand efforts to increase household access to communication devices and educational opportunities.
- Ensure emergency management plans consider the limitations in access and availability of communications infrastructure.

2

Clean Water Access Vulnerability

- In Ifugao, only 61% of households have access to improved water sources, which is the 5th lowest in the Philippines. Focus on increasing clean water infrastructure especially in rural and remote areas to reduce health risks.
- The results show that in Ifugao the population is exposed to drought hazards and 67% are exposed to landslides. Droughts and landslides negatively impact surface water availability and quality. Invest in improved drinking water and sanitation infrastructure to reduce vulnerabilities.

3

Transportation Capacity

- Although Ifugao ranked relatively high for transportation capacity, the fact that the province is landlocked with rugged terrain presents considerable challenges during disaster response events. Invest in airports and roads to ensure access to evacuation routes, as well as continuity in resource and service delivery during disasters.
- Advocate for transportation network projects through the Department of Public Works to increase evacuation and resource distribution routes, as well as 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.

4

Communications Capacity

- In Ifugao, less than 1% of households have access to landlines. The population of Ifugao is also 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 Ifugao 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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