

THE PHILIPPINES

ILOCOS NORTE

NDPBA PROVINCE PROFILE



THE PHILIPPINES

ILOCOS NORTE

CAPITAL: CITY OF LAOAG

Area: 3,419 km²

Ilocos Norte is a province of the Philippines located in the Ilocos Region. It faces the West Philippine Sea to the west and the Luzon Strait to the north. The economy is largely agricultural specializing in rice, corn, garlic, legumes, root crops, tobacco, and various fruits and vegetables. It also specializes in livestock and fisheries.



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low

Score: 0.476 • Rank: 60/84



RESILIENCE (R) - Very High

Score: 0.664 • Rank: 6/84



MULTI-HAZARD EXPOSURE (MHE) - Very High

Score: 0.756 • Rank: 16/84



VULNERABILITY (V) - Low

Score: 0.362 • Rank: 67/84



COPING CAPACITY (CC) - Very High

Score: 0.69 • Rank: 2/84

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



Population (2018)

602,605



Population in Poverty

3.2%



Literate population

99.0%



Access to improved water

91.9%



Average life expectancy

70.1 years

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MULTI-HAZARD EXPOSURE (MHE)

RANK: 16 / 84 PROVINCES

SCORE: 0.756



MHE 0.756

Raw MHE 0.62

Relative MHE

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

95%

å 574,459

\$3 Billion



Flood

48%

288,430

\$1.6 Billion



Landslide

8%

48,052

\$108.2 Million



Drought

93%

\$ 559,690

\$2.9 Billion



Storm Surge

9%

52,043

\$170.2 Million



Tsunami

4%

21,214

\$51.9 Million



Liquefacton

71%

428,177

\$2.4 Billion



Volcano

L -

< \$10,000



Wildfire

10%

57,438

\$353.3 Million



Typhoon Winds

100%

å 602,529

\$3.1 Billion



VULNERABILITY (V)

RANK: 67 / 84 PROVINCES ASSESSED

SCORE: 0.362

Vulnerability in Ilocos Norte is primarily driven by Environmental Stress and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress

SCORE: 0.731 **RANK: 1/84 PROVINCES ASSESSED**

6.85 261.78 Livestock Barren land (per density 10k hectares)

3.04% Forest cover change



Vulnerable Health Status

SCORE: 0.295 RANK: 75/84 PROVINCES ASSESSED

5.8% Malnutrition among children (0 to 5 years old)

3.82 Infant mortality rate (per 1k live births)

70.08 Maternal mortality rate (per 100k live

Life expectancy

Disability (per 100k persons)

167

17.7

Tuberculosis mortality rate (per 100k persons)

0.2 HIV mortality rate (per 100k

persons)

5.1 Intestinal disease mortality rate (per 100k persons)

45.78

births)

0 Other

arthropodborne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



Clean Water Vulnerability



SCORE: 0.313 RANK: 60/84 PROVINCES ASSESSED



94.1% Households with sanitary toilet facility



Information Access Vulnerability

1 SCORE: 0.272 **RANK: 77/84 PROVINCES ASSESSED**

98.99% Literacy rate (age 10 and

older)

107.30% Gross primary school enrollment rate 8.20% Internet Access

83.83% Households with radio

86.07% Households with television

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Economic Constraints

1 SCORE: 0.148

RANK: 76/84 PROVINCES ASSESSED

0.55 Economic dependency ratio 3.20% Poverty incidence



Gender Inequality

SCORE: 0.397

RANK: 51/84 PROVINCES ASSESSED

1.06 Female to male secondary school enrollment Rate

0.49 Labor force participation ratio



Population Pressures

SCORE: 0.376 RANK: 55/84 PROVINCES ASSESSED

0.83 Population growth rate (2010-2015)

29.31 Average annual urban population growth rate 0.5% Informal settlers



COPING CAPACITY (CC)

RANK: 2 / 84 PROVINCES ASSESSED

SCORE: 0.69

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



Economic Capacity



1 SCORE: 0.689 RANK: 11/84 PROVINCES ASSESSED

2748.49

Purchasing power of Labor force Loc the peso participation rate reg (Ph

Local government annual regular income per capita (Philippine Peso)



Governance

85.3% 6.77
Voter participation Organized violence (per 100k persons)

SCORE: 0.703 RANK: 24/84 PROVINCES ASSESSED 25.21%

Garbage pickup



Environmental Capacity

1.04 9
Protected areas (per 1k ha)

99.1%
Forest reserves

1 SCORE: 0.557 RANK: 14/84 PROVINCES ASSESSED

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Infrastructure Capacity

SCORE: 0.722 RANK: 3/84 PROVINCES ASSESSED



Health Care Capacity SCORE: 0.622 RANK: 15/84 PROVINCES ASSESSED

11.62 4.52 60.87% 5.36

Hopital beds Physicians per Vaccination Average distance to nearest (per 10k people) 10,000 people coverage hospital (km)



Transportation Capacity SCORE: 0.548 RANK: 32/84 PROVINCES ASSESSED

1.01 17.63

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

((A))

Communications Capacity SCORE: 0.782 RANK: 25/84 PROVINCES ASSESSED

7.4% 92.6%

Households with a landline Mobile coverage

Energy Capacity SCORE: 0.928 RANK: 10/84 PROVINCES ASSESSED

96.8% 48.9%

Households with electricity Households with gas

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Emergency Services Capacity SCORE: 0.723 RANK: 12/84 PROVINCES ASSESSED

46.07 3.49 5.15

Evacuation centers Fire Stations Fire Trucks (per 100k persons) (per 100k persons) (per 100k persons)



RESILIENCE (R)

RANK: 6 / 84 PROVINCES ASSESSED

SCORE: 0.664

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

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









Environmental Stress

Gender Inequality

Transportation Capacity

Health Care Capacity

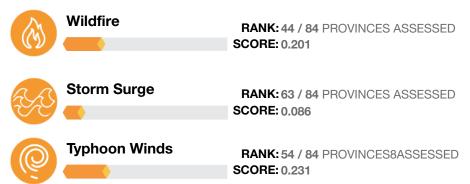


HAZARD-SPECIFIC RISK (HSR)

Earthquake	RANK: 65 / 84 PROVINCES ASSESSED SCORE: 0.206
Tsunami	RANK: 19 / 84 PROVINCES ASSESSED SCORE: 0.14
Flood	RANK: 54 / 84 PROVINCES ASSESSED SCORE: 0.141
Liquefaction	RANK: 30 / 84 PROVINCES ASSESSED SCORE: 0.211
Landslide	RANK: 73 / 84 PROVINCES ASSESSED SCORE: 0.118
Volcano	RANK: 67 / 84 PROVINCES ASSESSED SCORE: 0
Drought	RANK: 28 / 84 PROVINCES ASSESSED SCORE: 0.303

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(HAZARD-SPECIFIC RISK CONTINUED)





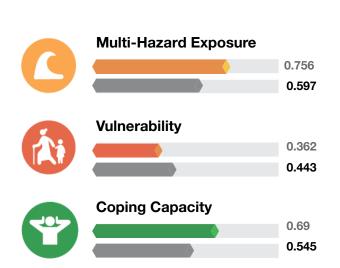
MULTI-HAZARD RISK (MHR)

60 / 84

RANK WITHIN PROVINCES
Score: 0.476

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

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





ILOCOS NORTE RECOMMENDATIONS

1

Ilocos Norte

- Environmental Stress
- Ilocos Norte is ranked highest in the Philippines for environmental stress. Focus efforts on increasing forest cover, decreasing barren land and practicing of sustainable agriculture.
- With climate change influencing mo e severe and frequent natural disasters, action must be
 taken to promote sustainable communities. Increased forestation and greening projects along
 with improvements to the agricultural sector will help mitigate climate change impacts and
 strengthen resilience in Ilocos Norte.

2

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.
- 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.

3

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.

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Health Care Capacity

- 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.



Better solutions. Fewer disasters.

Safer World.

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