



INDONESIA

KALIMANTAN UTARA

NDPBA PROVINCE PROFILE

KALIMANTAN UTARA

CAPITAL: BULUNGAN

Area: 75,468 km²



Kalimantan Utara (North Kalimantan)

is both the newest and the least populated province in Indonesia, but it also has high levels of resilience and coping capacity to help it

counter elevated risks for drought and landslides. Given the population pressures facing this region, enhancements in energy, transportation, and gender equality bode well for future challenges brought by climate change. The ongoing COVID19 response has presented challenges to local health capacities in Bulungan and enhanced coordination with national and international health security partners can help to bolster health care infrastructure and policies.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low

Score: 0.379 • Rank: 32/34



RESILIENCE (R) - High

Score: 0.549 • Rank: 10/34



MULTI-HAZARD EXPOSURE (MHE) - Very Low

Score: 0.164 • Rank: 34/34



VULNERABILITY (V) - Moderate

Score: 0.448 • Rank: 14/34



COPING CAPACITY (CC) - Very High

Score: 0.567 • Rank: 6/34



DISASTER MANAGEMENT CAPABILITIES (DMC) - Moderate

Score: 0.528 • Rank: 15/34



Population (2020 Projected)

768,505



Population in Poverty

6.5%



Adult Literacy Rate

96.4%



Access to improved water

87.9%



Average life expectancy

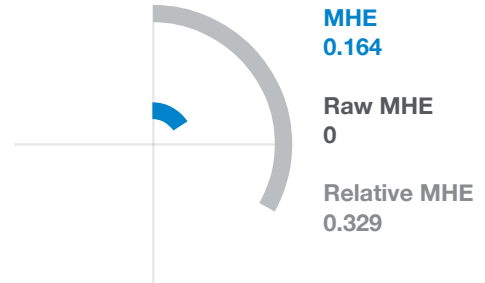
72.5 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 34 / 34 PROVINCES
SCORE: 0.164



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

0%

👤 -
-



Tsunami

1%

👤 5,123
\$64.7 Million



Flood

25%

👤 163,841
\$1.95 Billion



Flash Flood

3%

👤 20,414
\$237.6 Million



Landslide

12%

👤 81,981
\$1 Billion



Volcano

0%

👤 -
-



Drought

88%

👤 584,662
\$7.1 Billion



Wildfire

9%

👤 56,563
\$707.6 Million



Extreme Weather

65%

👤 433,149
\$5.2 Billion



VULNERABILITY (V)

RANK: 14 / 34 PROVINCES ASSESSED
SCORE: 0.448

Vulnerability in Kalimantan Utara is primarily driven by Population Pressures and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress

SCORE: 0.261 RANK: 29/34 PROVINCES ASSESSED

1.8% Land susceptible to severe erosion	0.97 Livestock Density (per sq km)	9044.6 Net Deforestation (hectares per year)
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Vulnerable Health Status

SCORE: 0.256 RANK: 31/34 PROVINCES ASSESSED

72.54 Life expectancy (years)	- Infant mortality rate (per 1,000 live births)	- Maternal mortality ratio	4.6% Children (under 5) Wasting	7.6% Disability	4.8% Unmet health care needs	- Households with limited access to health facility
- Households with catastrophic health expenditure	24.01 Dengue incidence per 100,000 population	23.59 Measles incidence per 100,000 population	0.07 Malaria incidence per 100,000 population	216 TB case notification per 100,000 population	75.24 HIV & AIDS incidence per 100,000 population	0.61 Prevalence of Leprosy per 10,000 population



Clean Water Vulnerability

SCORE: 0.426 RANK: 18/34 PROVINCES ASSESSED

87.9% Households with improved water	77.2% Households with improved sanitation
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Information Access Vulnerability

SCORE: 0.547 RANK: 10/34 PROVINCES ASSESSED

96.4% Adult literacy rate	93.2% Net primary school enrollment rate	8.94 Average years of schooling	80.7% Household using internet
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Economic Constraints

SCORE: 0.246 RANK: 31/34 PROVINCES ASSESSED

4.4% Unemployment rate	- Age dependency ratio	6.5% Poverty rate	0.295 GINI ratio
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Gender Inequality

SCORE: 0.585 RANK: 5/34 PROVINCES ASSESSED

0.98 Female to male literacy rate	0.46 Female to male labor ratio	1.07 Female to male secondary school enrollment ratio	20.0% Percent female seats in government
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Population Pressures

SCORE: 0.815 RANK: 3/34 PROVINCES ASSESSED

4.5% Average annual total population change	4.8% Average annual urban population change
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COPING CAPACITY (CC)

RANK: 6 / 34 PROVINCES ASSESSED
SCORE: 0.567

Kalimantan Utara exhibits weaker Coping Capacity in the areas of Transportation Capacity and Energy Capacity. The bar charts indicate the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

SCORE: 0.536 **RANK: 7/34 PROVINCES ASSESSED**

66.3% Labor force participation	3,374,378 Average monthly income (IDR)	95.5 GDP per capita (Million IDR)
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Governance

SCORE: 0.597 **RANK: 19/34 PROVINCES ASSESSED**

57 Crime rate per 100,000 population	70.0% Crime clearance rate	79.8% Voter participation
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Environmental Capacity

SCORE: 0.698 **RANK: 7/34 PROVINCES ASSESSED**

17.0%
Protected area



Infrastructure Capacity

SCORE: 0.525 **RANK: 16/34 PROVINCES ASSESSED**



Health Care Capacity

SCORE: 0.655 **RANK: 4/34 PROVINCES ASSESSED**

14.1 Hospital beds per 10,000 people	3.71 Physicians per 10,000 people	25.18 Nurses and midwives per 10,000 people	19.9% Time to public hospital (over 1 hour)	57.3% Immunization rate (children under 5)	63.6% Health care accreditation rate	98.4% Population covered by health insurance
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Transportation Capacity

SCORE: 0.222 **RANK: 32/34 PROVINCES ASSESSED**

0.02 Road and rail density	35.83 Average distance to port or airport
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Communications Capacity

SCORE: 0.742 **RANK: 7/34 PROVINCES ASSESSED**

74.3% Mobile phone ownership	0.9% Households with Fixed Phones
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Energy Capacity

SCORE: 0.482 **RANK: 20/34 PROVINCES ASSESSED**

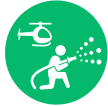
91.3% Households served by state electricity	0.1% Percentage of total national electricity generated in province	42.73 Electricity generation GWh per 100,000 Population	78.6% Households with gas for cooking
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DISASTER MANAGEMENT CAPABILITIES (DMC)

RANK: 15 / 34 PROVINCES ASSESSED
SCORE: 0.567

Kalimantan Utara exhibits weaker Disaster Management Capabilities in the areas of Mass Care Support and Emergency Services. The bar charts indicate the disaster management themes contributing to the province's overall Disaster Management Capabilities score.



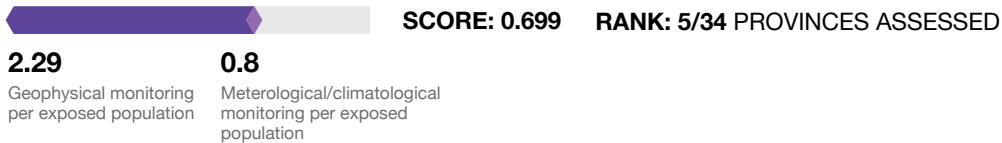
Emergency Services



Mass Care Support



Early Warning and Monitoring





RESILIENCE (R)

RANK: 10 / 34 PROVINCES ASSESSED
SCORE: 0.549

Kalimantan Utara's High Resilience score and ranking are due to Moderate Vulnerability combined with Very High Coping Capacity, and Moderate Disaster Management Capabilities scores.

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



Population Pressures



Gender Inequality



Transportation Capacity



Energy Capacity



Mass Care Support



Emergency Services



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 29 / 34 PROVINCES ASSESSED
SCORE: 0.110



Tsunami

RANK: 25 / 34 PROVINCES ASSESSED
SCORE: 0.149



Flood

RANK: 31 / 34 PROVINCES ASSESSED
SCORE: 0.127



Flash Flood

RANK: 24 / 34 PROVINCES ASSESSED
SCORE: 0.158



Landslide

RANK: 13 / 34 PROVINCES ASSESSED
SCORE: 0.226



Volcano

RANK: 28 / 34 PROVINCES ASSESSED
SCORE: 0.110



Drought

RANK: 18 / 34 PROVINCES ASSESSED
SCORE: 0.219



Wildfire

RANK: 26 / 34 PROVINCES ASSESSED
SCORE: 0.166



Extreme Weather

RANK: 34 / 34 PROVINCES ASSESSED
SCORE: 0.101



MULTI-HAZARD RISK (MHR)

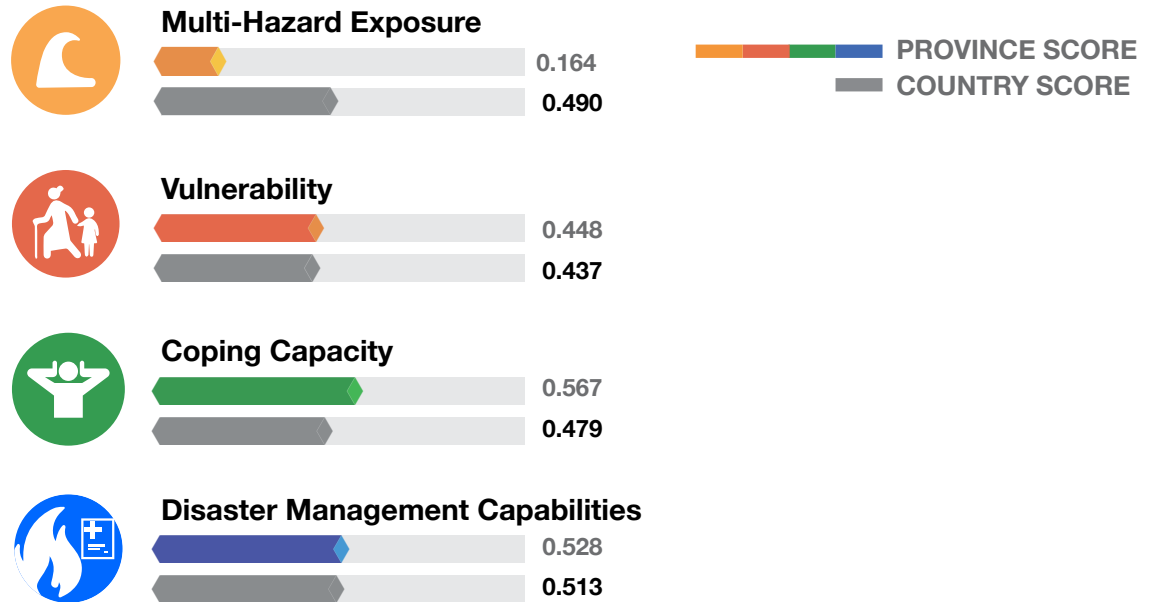
32 / 34

RANK WITHIN PROVINCES
Score: 0.379



Kalimantan Utara's Very Low Multi-hazard Risk score and ranking are due to Very Low Multi-hazard exposure combined with Moderate Vulnerability, Very High Coping Capacity, and Moderate Disaster Management Capabilities scores.

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



KALIMANTAN UTARA RECOMMENDATIONS

1

Population Pressures

Kalimantan Utara has the 3rd highest Population Pressures score, with the highest Average Population growth rate (4.54%), the 4th highest Net Migration rate (25.35), and the 6th highest Average Urban Population Change (4.79%).

Kalimantan Utara's growing population is exposed to numerous hazards, such as drought, flooding, extreme weather and wildfires.

Continue to implement policies and long-term development plans that incorporate risk reduction initiatives to protect against damages and losses resulting from hazard impacts.

2

Gender Inequality

Kalimantan Utara ranks 5th for overall Gender Inequality, with the highest driver being disparity between men and women in the labor force. Women comprise less than half (0.46) of the work force. Other drivers highlight gender inequalities related to literacy and schooling.

Increase opportunities to expand participation of women in education and economic activities through the enactment of policies that provide quality, affordable childcare and health care services. Strengthen access to, and participation in formal and informal justice systems.

Support economic advancement of women by promoting investment opportunities such as access to micro finance programs and cash transfer programs to boost economic growth and productivity of small farms and businesses.

KALIMANTAN UTARA RECOMMENDATIONS

3

Transportation Capacity

Kalimantan Utara has the 3rd lowest ranking for Transportation Capacity, and the lowest Road and Railway Density in the country (0.02 km per square km). The average Distance to Port or Airport is 36 km away. Limitations in transportation infrastructure can hamper disaster management activities, delay arrival of emergency services and inhibit timely delivery of relief supplies.

Strengthen transportation networks through public-private partnerships and investments. Expand the capacity of existing airports and seaport facilities to accommodate growth, reduce congestion, and build efficiencies into the transport system.

In urban areas, consider options for mass transit/ public transport systems to augment transportation needs, reduce congestion and lessen environmental impacts (e.g., air pollution).

4

Energy Capacity

Kalimantan Utara ranks 20th for overall Energy Capacity in Indonesia. It has the 9th lowest percentage of National Electricity Generation (0.11%).

Strengthen public-private partnerships to improve energy development and service delivery in the province.

KALIMANTAN UTARA RECOMMENDATIONS

5

Mass Care Support

Kalimantan Utara has the 2nd lowest rank for Mass Care Support, driven by the lowest Disaster Equipment ranking in the country. In addition, the Average Distance to a Disaster Stockpile is over 500 km away.

Strengthen logistical planning to increase sheltering capabilities and obtain the equipment required to meet the needs of a disaster affected population in the province.

Work with disaster management stakeholders to establish additional Disaster Stockpiles to improve access during disaster relief operations.

6

Emergency Services

Kalimantan Utara ranks 6th for overall Emergency Services capabilities, however, data regarding Citizen Brigades and Search and Rescue teams were not available for the province. Formalize participation and training of these groups to increase emergency service capacity in the province.

**Better solutions.
Fewer disasters.**

Safer world.

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