

THE PHILIPPINES

NDPBA PROVINCE PROFILE



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THE PHILIPPINES

CAPITAL: CITY OF ILAGAN

Area: 13,102 km²

Isabela is the second largest province in the Philippines in land area located in the Cagayan Valley region in Luzon. It is bordered by the provinces of Cagayan to the north, Kalinga to the northwest, Mountain Province to the central-west, Ifugao and Nueva Vizcaya to the southwest, Quirino and Aurora to the south, and the Philippine Sea to the east. The economy is mixed business and agriculture and is one of the richest provinces in the Philippines.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High Score: 0.584 • Rank: 6/84



RESILIENCE (R) - Medium Score: 0.575 • Rank: 36/84



MULTI-HAZARD EXPOSURE (MHE) - Very High Score: 0.901 • Rank: 1/84



VULNERABILITY (V) - Low Score: 0.393 • Rank: 57/84



COPING CAPACITY (CC) - Low Score: 0.543 • Rank: 53/84

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



Population (2018) 1,625,948



Population in Poverty **12.9%**



Literate population **99.0%**



Access to improved water 97.3%

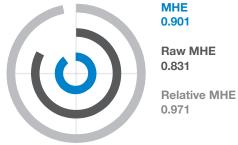


Average life expectancy

68.9 years



BANK: 1 / 84 PROVINCES SCORE: 0.901



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



100% **1**,625,330 \$10.4 Billion

Earthquake



78%

Flood

1,263,297 \$8.8 Billion



Landslide

3%

Drought

46.129 \$206.4 Million



100% **1**,625,617 \$10.4 Billion



Storm Surge

<1% **4** 7.175 \$6.3 Million

<1% **£** 5 Liquefacton 76% **1,233,537** \$8.7 Billion Volcano <1% **4** 311

Tsunami

\$1.4 Million

Wildfire



9% **å** 146,135 \$988.7 Million



Typhoon Winds

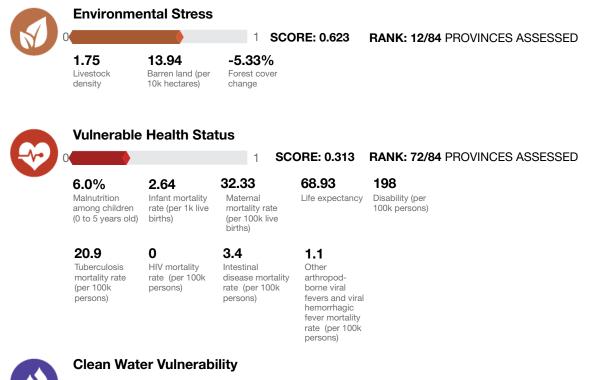
100% **1**,625,948 \$10.4 Billion



VULNERABILITY (V)

RANK: 57 / 84 PROVINCES ASSESSED SCORE: 0.393

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



1



SCORE: 0.369 RANK: 52/84 PROVINCES ASSESSED

97.3% Households with improved safe water source

98.97%

Literacy rate

(age 10 and

older)

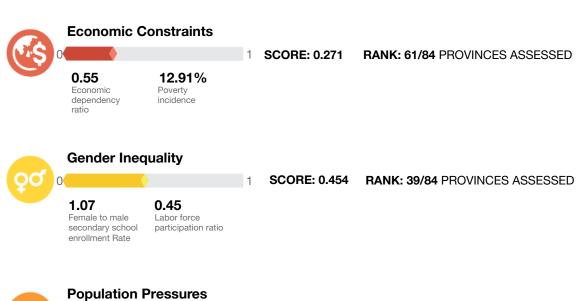
83.0% with Households with fe sanitary toilet facility

Information Access Vulnerability

 1
 SCORE: 0.368
 RANK: 65/84 PROVINCES ASSESSED

 114.79%
 3.38%
 71.23%

 Gross primary school enrollment rate
 Internet Access with radio
 75.93%



SCORE: 0.353

RANK: 61/84 PROVINCES ASSESSED



growth rate (2010-2015)

10.18 Average annual urban population growth rate

1.1% Informal settlers

1

PROVINCIAL PROFILE



COPING CAPACITY (CC)

RANK: 53 / 84 PROVINCES ASSESSED SCORE: 0.543

Isabela 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.

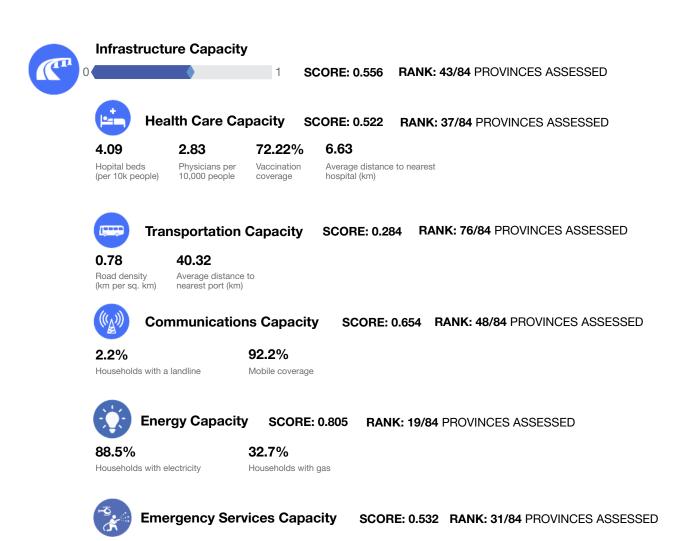
	Economic Capacity					
\$ \$)			1	SCORE: 0.52	RANK: 38/84 PROVINCES ASSESSED	
	0.88 Purchasing power of the peso	65.06% Labor force participation rate		1636.04 Local government annual regular income per capita (Philippine Peso)		
	Governance					
			1		RANK: 57/84 PROVINCES ASSESSED	
	83.7% Voter participation	11.33 Organized violence (per 100k persons)		18.86% Garbage pickup		



Environmental Capacity

19.24 Protected areas (per 1k ha) 5.2% Forest reserves

1 SCORE: 0.437 RANK: 33/84 PROVINCES ASSESSED



29.4 Evacuation centers (per 100k persons) **1.9** Fire Stations (per 100k persons) **3.68** Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 36 / 84 PROVINCES ASSESSED

SCORE: 0.575

Isabela's score and ranking are due to Low Vulnerability combined with Low Coping Capacity scores.

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



Stress





Transportation Capacity



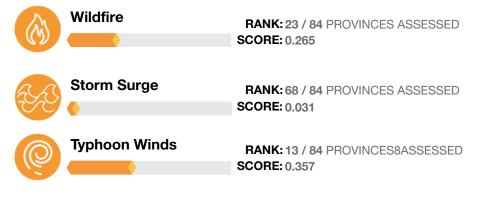
Health Care Capacity

HAZARD-SPECIFIC RISK (HSR)

Gender Inequality

Earthquake	RANK: 13 / 84 PROVINCES ASSESSED SCORE: 0.359
Tsunami	RANK: 53 / 84 PROVINCES ASSESSED SCORE: 0.015
Flood	RANK: 7 / 84 PROVINCES ASSESSED SCORE: 0.339
	RANK: 4 / 84 PROVINCES ASSESSED SCORE: 0.346
Landslide	RANK: 72 / 84 PROVINCES ASSESSED SCORE: 0.126
Volcano	RANK: 62 / 84 PROVINCES ASSESSED SCORE: 0.061
Drought	RANK: 5 / 84 PROVINCES ASSESSED SCORE: 0.420

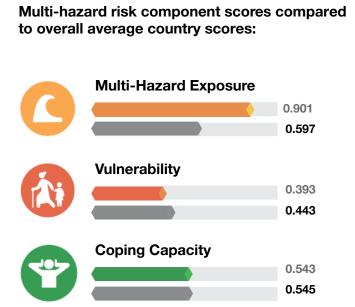
(HAZARD-SPECIFIC RISK CONTINUED)





6 / 84 RANK WITHIN PROVINCES Score: 0.584

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





ISABELA RECOMMENDATIONS



Environmental Stress

- In Isabela, environmental stress is a major driver of vulnerability. Isabela is ranked 2nd highest in the Philippines for forest cover change vulnerability. Between 2000 and 2010 5.33 percent of forest cover was lost. Continue and expand reforestation efforts along with the proper management of natural resources.
- Isabela is ranked 2nd highest for multi-hazard exposure and 6th highest in multi-hazard risk. Major interventions to reduce risks are need, including expanded efforts to improve environmental conditions. Focus efforts on increasing forest cover, decreasing areas classified a barren land and promoting sustainable agriculture.



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. Build upon existing accomplishments, including the work related to the UN Sustainable Development Goals.
- 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.



Transportation Capacity

- In Isabela the average distance between ports and populated areas is 40.3 kilometers per square kilometer, which is the 9th highest in the Philippines. Continue seaport, 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.
- Findings show that Isabela is ranked the 2nd highest in multi-hazard exposure. 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.



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.



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