



THE PHILIPPINES

BATANGAS

NDPBA PROVINCE PROFILE

THE PHILIPPINES

BATANGAS

CAPITAL: BATANGAS CITY

Area: 3,115 km²

Batangas is located in southwestern Luzon, less than 100km from Manila. Geographically it is a combination of plains and mountains, with Lake Ta'al situated in the center. The lake also contains Ta'al Volcano, an active volcano that last erupted in early 2020. It is home to the second largest international seaport, after Manila/Subic Bay. It accounts for a significant portion of domestic shipping. Agriculture and tourism are also critical economic sectors. The population in Batangas is noted for the strong presence of Tagalog culture and in recent years has seen an influx of migrants from Visayas.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low
Score: 0.459 • Rank: 69/84



RESILIENCE (R) - High
Score: 0.603 • Rank: 21/84



MULTI-HAZARD EXPOSURE (MHE) - Low
Score: 0.583 • Rank: 50/84



VULNERABILITY (V) - Low
Score: 0.364 • Rank: 66/84



COPING CAPACITY (CC) - High
Score: 0.570 • Rank: 32/84



Population (2018)
2,618,592



Population in Poverty
8.4%



Literate population
99.4%



Access to improved water
89.0%



Average life expectancy
70.3 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 50 / 84 PROVINCES
SCORE: 0.583



MHE
0.583

Raw MHE
0.717

Relative MHE
0.449

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

95%

2,499,998
\$6.8 Billion



Tsunami

<1%

2,675
\$6.6 Million



Flood

11%

295,130
\$960.3 Million



Liquefaction

13%

345,203
\$1.2 Billion



Landslide

6%

168,313
\$214.8 Million



Volcano

5%

132,997
\$290.5 Million



Drought

-

-
-



Wildfire

4%

107,625
\$416.5 Million



Storm Surge

9%

231,741
\$744.7 Million



Typhoon Winds

100%

2,618,273
\$6.9 Billion




VULNERABILITY (V)

RANK: 66 / 84 PROVINCES ASSESSED
SCORE: 0.364

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



Environmental Stress

0  1 **SCORE: 0.593** **RANK: 19/84 PROVINCES ASSESSED**

13.25 Livestock density	22.81 Barren land (per 10k hectares)	5.47% Forest cover change
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Vulnerable Health Status

0  1 **SCORE: 0.255** **RANK: 80/84 PROVINCES ASSESSED**

6.8% Malnutrition among children (0 to 5 years old)	4.55 Infant mortality rate (per 1k live births)	31.14 Maternal mortality rate (per 100k live births)	70.32 Life expectancy	120 Disability (per 100k persons)
17.2 Tuberculosis mortality rate (per 100k persons)	0 HIV mortality rate (per 100k persons)	3.3 Intestinal disease mortality rate (per 100k persons)	1 Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)	



Clean Water Vulnerability

0  1 **SCORE: 0.454** **RANK: 35/84 PROVINCES ASSESSED**

89.0% Households with improved safe water source	87.8% Households with sanitary toilet facility
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Information Access Vulnerability

0  1 **SCORE: 0.313** **RANK: 75/84 PROVINCES ASSESSED**

99.36% Literacy rate (age 10 and older)	106.91% Gross primary school enrollment rate	9.78% Internet Access	61.60% Households with radio	87.95% Households with television
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Economic Constraints

0  1 **SCORE: 0.204** **RANK: 70/84** PROVINCES ASSESSED

0.54
Economic
dependency
ratio

8.41%
Poverty
incidence



Gender Inequality


0  1 **SCORE: 0.228** **RANK: 79/84** PROVINCES ASSESSED

1.04
Female to male
secondary school
enrollment Rate

0.6
Labor force
participation ratio



Population Pressures

0  1 **SCORE: 0.504** **RANK: 16/84** PROVINCES ASSESSED

2.41
Population
growth rate
(2010-2015)

7.71
Average annual
urban population
growth rate

1.8%
Informal settlers




COPING CAPACITY (CC)

RANK: 32 / 84 PROVINCES ASSESSED
SCORE: 0.570

Batangas exhibits weaker Coping Capacity in the areas of Emergency Services Capacity and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

0  1 **SCORE: 0.459** **RANK: 59/84 PROVINCES ASSESSED**

0.89

Purchasing power of the peso

63.14%


Labor force participation rate

993.64

Local government annual regular income per capita (Philippine Peso)



Governance

0  1 **SCORE: 0.673** **RANK: 29/84 PROVINCES ASSESSED**

82.6%

Voter participation

6.78

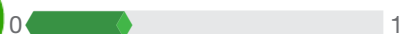
Organized violence (per 100k persons)

33.83%

Garbage pickup



Environmental Capacity

0  1 **SCORE: 0.264** **RANK: 63/84 PROVINCES ASSESSED**

26.71

Protected areas (per 1k ha)

0.0%

Forest reserves



Infrastructure Capacity

0 1 **SCORE: 0.68** **RANK: 14/84** PROVINCES ASSESSED



Health Care Capacity **SCORE: 0.629** **RANK: 12/84** PROVINCES ASSESSED

11.71 **4.03** **60.83%** **3.72**
 Hospital beds (per 10k people) Physicians per 10,000 people Vaccination coverage Average distance to nearest hospital (km)



Transportation Capacity **SCORE: 0.7** **RANK: 12/84** PROVINCES ASSESSED

2.64 **17.61**
 Road density (km per sq. km) Average distance to nearest port (km)



Communications Capacity **SCORE: 0.803** **RANK: 18/84** PROVINCES ASSESSED

11.3% **90.9%**
 Households with a landline Mobile coverage



Energy Capacity **SCORE: 0.928** **RANK: 11/84** PROVINCES ASSESSED

95.5% **53.4%**
 Households with electricity Households with gas



Emergency Services Capacity **SCORE: 0.341** **RANK: 65/84** PROVINCES ASSESSED

18.03 **1.06** **2.16**
 Evacuation centers (per 100k persons) Fire Stations (per 100k persons) Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 21 / 84 PROVINCES ASSESSED
SCORE: 0.603

Batangas’s score and ranking are due to Low Vulnerability combined with High Coping Capacity scores.

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



Environmental Stress



Population Pressures



Emergency Services Capacity



Economic Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 24 / 84 PROVINCES ASSESSED
SCORE: 0.315



Tsunami

RANK: 33 / 84 PROVINCES ASSESSED
SCORE: 0.094



Flood

RANK: 63 / 84 PROVINCES ASSESSED
SCORE: 0.087



Liquefaction

RANK: 60 / 84 PROVINCES ASSESSED
SCORE: 0.113



Landslide

RANK: 58 / 84 PROVINCES ASSESSED
SCORE: 0.170



Volcano

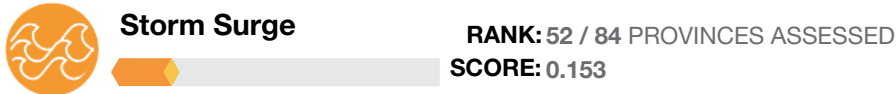
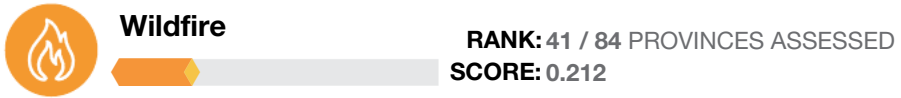
RANK: 13 / 84 PROVINCES ASSESSED
SCORE: 0.222



Drought

RANK: 58 / 84 PROVINCES ASSESSED
SCORE: 0.000

(HAZARD-SPECIFIC RISK CONTINUED)



MULTI-HAZARD RISK (MHR)

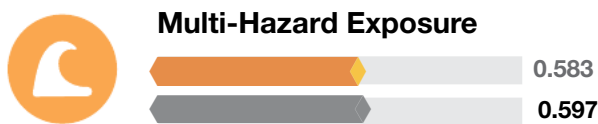
69 / 84
RANK WITHIN PROVINCES
Score: 0.459



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

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

PROVINCE SCORE
COUNTRY SCORE



BATANGAS RECOMMENDATIONS

1

Environmental Stress

- Batangas is ranked 2nd in the Philippines for livestock density, which require large amounts of land to sustain the animals. Work with farmers and provide them with the necessary tools and knowledge to be able to rear livestock sustainably.
- Align efforts across agencies and partnerships to increase forest cover and decrease barren land.

2

Population Pressures

- Continue to monitor the growth of the population and plan resource allocation appropriately. Enforce building codes and environmental protection laws to ensure expansion is sustainable.
- Work with diverse partners to help stimulate the economy to support increased public demands. Ensure equitable distribution of resources and services.

3

Emergency Services Capacity

- Batangas ranked 65th out of the 84 territories in the Philippines for emergency services capacity. Population pressures in Batangas are increasing the need to expand emergency service capacity. As the population grows, there is an increased demand on the already limited resources and space in evacuation shelters. Increase the number of evacuation centers, fire stations and fire trucks to serve the population and increase emergency service capacity.
- Continue to support evidence-based preparedness and response coordination, including the provision of emergency equipment and supplies. Additionally, increase efforts to have a central database that makes sub-national data on disaster management capabilities and resources more accessible. Increasing transparency through sharing data will ensure efficient and effective coordination at all levels of government, as well as with partners.

4

Economic Capacity

- Batangas ranked 59th out of the 84 territories in economic capacity. Local government annual regular income in Batangas is 993.64 pesos per capita, which is the 9th lowest in the Philippines. Continue to encourage programs that diversify the economy in Batangas to generate public revenue and create new job opportunities. Pursue policies that balance inflation rates and create equal opportunities for employment.
- As the population grows, there will be increases in the demands for emergency services and public programs. Work with stakeholders and partners to expand emergency service capacities by training community members and generating funds to support response activities.

**Better solutions.
Fewer disasters.**

Safer world.

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