



THE PHILIPPINES

BILIRAN

NDPBA PROVINCE PROFILE

THE PHILIPPINES

BILIRAN

CAPITAL: NAVAL

Area: 536 km²

Biliran is a small island province that is situated between Northern Leyte and Eastern Samar. The location and ports make it an ideal gateway to further locations in Visayas and Mindanao. Biliran is bordered by the Samar Sea, Visayan Sea and Carigara Bay. Most of the economy of Biliran is centered around agriculture, but fishing and the seaport industry are also large contributors. The Biliran contains coastal lowlands with a mountainous interior, with topography that ranges from flat to gently rolling. The population is estimated to be growing at a rate of 1.28% and most of population is employed in agriculture, hunting and forestry. Typhoons expose the largest proportion of the population in Biliran. Recently, Typhoon Phanfone impacted several provinces including Biliran taking a similar path to Typhoon Haiyan, demonstrating the risks to the population.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low
Score: 0.472 • Rank: 62/84



RESILIENCE (R) - Medium
Score: 0.565 • Rank: 43/84



MULTI-HAZARD EXPOSURE (MHE) - Low
Score: 0.546 • Rank: 58/84



VULNERABILITY (V) - Medium
Score: 0.43 • Rank: 46/84



COPING CAPACITY (CC) - Medium
Score: 0.561 • Rank: 39/84



Population (2018)
178,306



Population in Poverty
13.8%



Literate population
98.1%



Access to improved water
99.7%



Average life expectancy
68.0 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 58 / 84 PROVINCES
SCORE: 0.546



MHE
0.546

Raw MHE
0.376

Relative MHE
0.716

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

64%

114,958

\$389.5 Million



Tsunami

<1%

436

-



Flood

44%

78,733

\$773.1 Million



Liquefaction

27%

48,766

\$479.7 Million



Landslide

10%

18,061

\$76.4 Million



Volcano

38%

68,382

\$183.5 Million



Drought

34%

61,016

\$346.6 Million



Wildfire

-

-

-



Storm Surge

27%

47,446

\$429.6 Million



Typhoon Winds

100%

177,814

\$948.5 Million




VULNERABILITY (V)

RANK: 46 / 84 PROVINCES ASSESSED
SCORE: 0.43

Vulnerability in Biliran is primarily driven by Information Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress

0  1 **SCORE: 0.445** **RANK: 49/84 PROVINCES ASSESSED**

1.81 Livestock density	2.27 Barren land (per 10k hectares)	-1.39% Forest cover change
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Vulnerable Health Status

0  1 **SCORE: 0.507** **RANK: 23/84 PROVINCES ASSESSED**

14.3% Malnutrition among children (0 to 5 years old)	6.21 Infant mortality rate (per 1k live births)	56.43 Maternal mortality rate (per 100k live births)	68.02 Life expectancy	313 Disability (per 100k persons)
44.8 Tuberculosis mortality rate (per 100k persons)	0 HIV mortality rate (per 100k persons)	9.1 Intestinal disease mortality rate (per 100k persons)	0.6 Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)	



Clean Water Vulnerability

0  1 **SCORE: 0.231** **RANK: 74/84 PROVINCES ASSESSED**

99.7% Households with improved safe water source	84.4% Households with sanitary toilet facility
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Information Access Vulnerability

0  1 **SCORE: 0.52** **RANK: 31/84 PROVINCES ASSESSED**

98.07% Literacy rate (age 10 and older)	121.98% Gross primary school enrollment rate	3.44% Internet Access	41.69% Households with radio	57.32% Households with television
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Economic Constraints


0  1 **SCORE: 0.494** **RANK: 32/84** PROVINCES ASSESSED

0.71
Economic
dependency
ratio

13.76%
Poverty
incidence



Gender Inequality

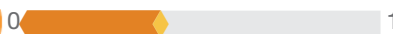
0  1 **SCORE: 0.427** **RANK: 45/84** PROVINCES ASSESSED

1.08
Female to male
secondary school
enrollment Rate

0.5
Labor force
participation ratio



Population Pressures

0  1 **SCORE: 0.388** **RANK: 50/84** PROVINCES ASSESSED

1.13
Population
growth rate
(2010-2015)

13.45
Average annual
urban population
growth rate

1.4%
Informal settlers



COPING CAPACITY (CC)

RANK: 39 / 84 PROVINCES ASSESSED
SCORE: 0.561

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



Economic Capacity



SCORE: 0.49 **RANK: 48/84 PROVINCES ASSESSED**

0.86

Purchasing power of the peso

59.67%

Labor force participation rate

3065.09

Local government annual regular income per capita (Philippine Peso)



Governance



SCORE: 0.594 **RANK: 55/84 PROVINCES ASSESSED**

81.4%

Voter participation

0

Organized violence (per 100k persons)

7.35%

Garbage pickup



Environmental Capacity



SCORE: 0.474 **RANK: 29/84 PROVINCES ASSESSED**

15.36

Protected areas (per 1k ha)

9.1%

Forest reserves



Infrastructure Capacity

0  1 **SCORE: 0.629** **RANK: 21/84** PROVINCES ASSESSED



Health Care Capacity **SCORE: 0.366** **RANK: 70/84** PROVINCES ASSESSED

4.25	1.43	73.71%	12.54
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



Transportation Capacity **SCORE: 0.591** **RANK: 24/84** PROVINCES ASSESSED

0.97	12.67
Road density (km per sq. km)	Average distance to nearest port (km)



Communications Capacity **SCORE: 0.708** **RANK: 38/84** PROVINCES ASSESSED

1.9%	97.7%
Households with a landline	Mobile coverage



Energy Capacity **SCORE: 0.669** **RANK: 32/84** PROVINCES ASSESSED

84.5%	14.9%
Households with electricity	Households with gas



Emergency Services Capacity **SCORE: 0.809** **RANK: 7/84** PROVINCES ASSESSED

84	4	5.72
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



RESILIENCE (R)

RANK: 43 / 84 PROVINCES ASSESSED
SCORE: 0.565

Biliran's score and ranking are due to Medium Vulnerability combined with Medium Coping Capacity scores.

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



Information Access Vulnerability



Vulnerable Health Status



Health Care Capacity



Economic Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 78 / 84 PROVINCES ASSESSED
SCORE: 0.051



Tsunami

RANK: 45 / 84 PROVINCES ASSESSED
SCORE: 0.055



Flood

RANK: 41 / 84 PROVINCES ASSESSED
SCORE: 0.183



Liquefaction

RANK: 56 / 84 PROVINCES ASSESSED
SCORE: 0.137



Landslide

RANK: 63 / 84 PROVINCES ASSESSED
SCORE: 0.159



Volcano

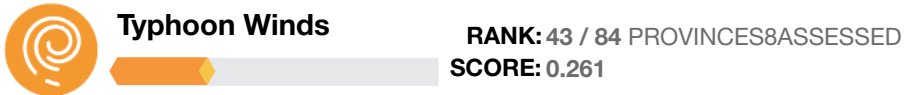
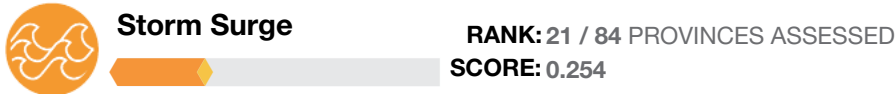
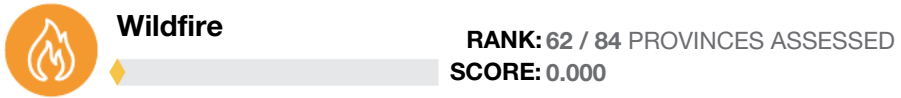
RANK: 5 / 84 PROVINCES ASSESSED
SCORE: 0.382



Drought

RANK: 37 / 84 PROVINCES ASSESSED
SCORE: 0.225

(HAZARD-SPECIFIC RISK CONTINUED)



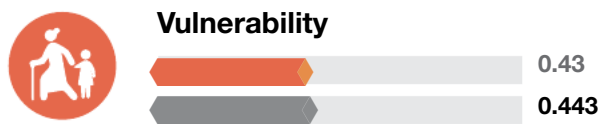
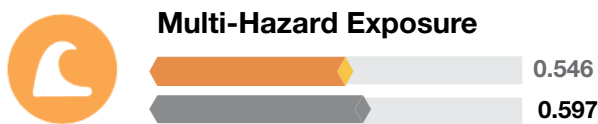
MULTI-HAZARD RISK (MHR)

62 / 84
RANK WITHIN PROVINCES
Score: 0.472

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

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

PROVINCE SCORE
COUNTRY SCORE



BILIRAN RECOMMENDATIONS

1

Information Access Vulnerability

- In Biliran many homes lack access to radios, television and internet. Public dissemination of information must take into consideration alternative means of getting messages across. Expand the use of stationary and emergency vehicle sirens, also ensuring the public is informed on what alarm systems are communicating and how to act. Work with private and public partners to ensure communities are able to receive critical information and communicate their needs during a disaster.
- Continue to promote education and basic literacy. With the COVID-19 pandemic impacting school capacities, work in rural and remote areas must consider resource needs.

2

Vulnerable Health Status

- In Biliran, vulnerable health status is a major driver of vulnerability. Continue efforts in community outreach, increased access to health care and other public health interventions. Sustain monitoring and control programs for communicable diseases.
- Investments in health care capacity are needed in Biliran. Partner with stakeholders and organizations to expand upon existing health care funding and capacities for vulnerable populations, such as those with disabilities.

3

Health Care Capacity

- Findings show that Biliran is ranked 67th out of 84 territories in health care capacity. The average distance between hospitals and populated places is 12.54 kilometers, which is the 5th highest in the country. Continue to work with local and international partners to increase health care capacity. Focus on building new hospitals and decreasing the average travel distances.
- Expand efforts to provide services through the provision of resources and increased personnel. Importantly, ensure that all efforts reach rural and remote areas.

4

Economic Capacity

- Biliran ranked 48th out of the 84 territories in economic capacity. Labor force participation rate is low (59.7%). Focus efforts on creating gainful work by investing in local and small businesses.
- Continue to encourage programs that support economic growth to generate public revenue and create new job opportunities. Pursue policies that balance inflation rates and create equal opportunities for employment.

**Better solutions.
Fewer disasters.**

Safer world.

**1305 N Holopono Street
Suite 2, Kihei, HI 9675 3**

**P: (808) 891-0525
F: (808) 891-0526**



@PDC_Global



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www.pdc.prg



ndpba@pdc.org