

THE PHILIPPINES AURORA

NDPBA PROVINCE PROFILE



THE PHILIPPINES

AURORA

CAPITAL: BALER

Area: 3,133 km²

Aurora is located on the central side of Luzon, on the Pacific Ocea , leaving it exposed to significant cyclones that develop. Most of Au ora is generally mountainous with some flat a eas surrounding the many rivers that run through it. The climate is defined by the even rainfall th oughout the year. The population is mostly rural and is ranked as the 5th lowest population density in the country. Agriculture is the primary driver of the economy in Aurora, employing about half of the population. The primary crops include rice, coconut, coffee, bananas, and root crops among others.



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Medium

Score: 0.512 • Rank: 36/84



RESILIENCE (R) - Medium

Score: 0.554 • Rank: 50/84



MULTI-HAZARD EXPOSURE (MHE) - High

Score: 0.644 • Rank: 33/84



VULNERABILITY (V) - Medium

Score: 0.456 • Rank: 37/84



COPING CAPACITY (CC) - Medium

Score: 0.563 • Rank: 38/84

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



Population (2018)

216,655



Population in Poverty

11.5%



Literate population

99.1%



Access to improved water

95.2%



Average life expectancy

69.1 years



MULTI-HAZARD EXPOSURE (MHE)

RANK: 33 / 84 PROVINCES

SCORE: 0.644



MHE 0.644

Raw MHE 0.376

Relative MHE 0.912

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

95%

206,228

\$524.2 Million



Tsunami

<1%

4 92

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Flood

41%

87,822

\$224.6 Million



Liquefacton

53%

å 114,910

\$331.8 Million



Landslide

39%

84.871

\$228.7 Million



Volcano



Drought

97%

210,831

\$528.1 Million



Wildfire

e -

-



Storm Surge

23%

49,984

\$74.6 Million



Typhoon Winds

100%

♣ 216,337 \$551.3 Million

National Disaster Preparedness Baseline Assessment: Philippines



VULNERABILITY (V)

RANK: 37 / 84 PROVINCES ASSESSED

SCORE: 0.456

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



Environmental Stress

1 SCORE: 0.646 RANK: 8/84 PROVINCES ASSESSED

1.06 76.97 -4.06% Livestock Barren land (per density 10k hectares) Forest cover change



Vulnerable Health Status

1 SCORE: 0.42 RANK: 53/84 PROVINCES ASSESSED

23.95 69.07 407 17.3% 2.16 Malnutrition Infant mortality Maternal Life expectancy Disability (per among children rate (per 1k live mortality rate 100k persons) (0 to 5 years old) births) (per 100k live births)

22.8

Tuberculosis mortality rate (per 100k persons)

HIV mortality rate (per 100k persons)

1.4

Intestinal disease mortality rate (per 100k persons)

persons)

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



Clean Water Vulnerability

1 SCORE: 0.392 RANK: 47/84 PROVINCES ASSESSED

95.2%
Households with improved safe water source

86.0%
Households with sanitary toilet facility



Information Access Vulnerability

0 SCORE: 0.498 RANK: 36/84 PROVINCES ASSESSED

99.13% 118.20% 2.32% 43.43% 62.20% Literacy rate Gross primary Internet Access Households Households (age 10 and school with radio with television older) enrollment rate



Economic Constraints

0.65

1 SCORE: 0.386

RANK: 46/84 PROVINCES ASSESSED

Economic dependency ratio

11.50% Poverty incidence



Gender Inequality

0

SCORE: 0.486 RANK: 33/84 PROVINCES ASSESSED

1.09 Female to male secondary school enrollment Rate **0.46**Labor force participation ratio



Population Pressures

SCORE: 0.365 RANK: 57/84 PROVINCES ASSESSED

1.21Population growth rate (2010-2015)

Average annual urban population growth rate

11.45

Informal settlers

1.2%



COPING CAPACITY (CC)

RANK: 38 / 84 PROVINCES ASSESSED

SCORE: 0.563

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



Economic Capacity



1 SCORE: 0.554 RANK: 30/84 PROVINCES ASSESSED

3354.39

Purchasing power of the peso

Labor force participation rate

Local government annual regular income per capita (Philippine Peso)



Governance

81.5% 3.15
Voter participation Organized violence (per

SCORE: 0.569 8.30% Garbage pickup **RANK: 64/84 PROVINCES ASSESSED**



Environmental Capacity

13.83
Protected areas

(per 1k ha)

44.2%

Forest reserves

100k persons)

1 SCORE: 0.628 RANK: 8/84 PROVINCES ASSESSED



Infrastructure Capacity

SCORE: 0.545 RANK: 47/84 PROVINCES ASSESSED



Health Care Capacity SCORE: 0.379 RANK: 65/84 PROVINCES ASSESSED

6.7 0.64 69.46% 9.91

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



Transportation Capacity SCORE: 0.459 RANK: 50/84 PROVINCES ASSESSED

0.42 12.59

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

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Communications Capacity SCORE: 0.501 RANK: 67/84 PROVINCES ASSESSED

0.3% 95.4%

Households with a landline Mobile coverage

Energy Capacity SCORE: 0.607 RANK: 47/84 PROVINCES ASSESSED

74.2% 18.1%

Households with electricity Households with gas

-<u>5</u>

Emergency Services Capacity SCORE: 0.781 RANK: 9/84 PROVINCES ASSESSED

5

162.07 3.18

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



RESILIENCE (R)

RANK: 50 / 84 PROVINCES ASSESSED

SCORE: 0.554

Aurora'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



Health Care Capacity



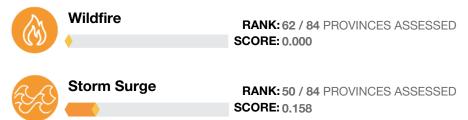
Transportation Capacity



HAZARD-SPECIFIC RISK (HSR)

Earthquake	RANK: 54 / 84 PROVINCES ASSESSED SCORE: 0.234
Tsunami •	RANK:50 / 84 PROVINCES ASSESSED SCORE:0.041
Flood	RANK: 56 / 84 PROVINCES ASSESSED SCORE: 0.127
Liquefaction	RANK: 42 / 84 PROVINCES ASSESSED SCORE: 0.187
Landslide	RANK: 18 / 84 PROVINCES ASSESSED SCORE: 0.278
Volcano	RANK: 68 / 84 PROVINCES ASSESSED SCORE: 0
Drought	RANK: 17 / 84 PROVINCES ASSESSED SCORE: 0.382

(HAZARD-SPECIFIC RISK CONTINUED)







MULTI-HAZARD RISK (MHR)

36 / 84

RANK WITHIN PROVINCES
Score: 0.512

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

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



AURORA RECOMMENDATIONS

1

Environmental Stress

- Aurora is ranked 3rd in forest cover change vulnerability. The data show that between 2010 and 2015, total forest cover decreased by 4.06%. Focus efforts on promoting sustainable forestry practices and reforestation projects.
- Continue to work stakeholders and partners to make strides in the agricultural sector.
 Investments in sustainable agriculture will help reduce the local carbon footprint and ensure conservation of natural resources.

2

Information Access Vulnerability

- While results show that Aurora has relatively high information access, efforts should be made to improve community access to information. Investments in education and distribution of household communication devices will enhance public dissemination of information, as well as ensure communities are able to understand and respond appropriately.
- Aurora is often impacted by floods and typhoons, which can be fo ecasted ahead of time. With
 increased information access, the constituents of Aurora can be properly warned and updated to
 take appropriate action to protect their lives and homes.

3

Health Care Capacity

- Aurora has 0.64 physicians per 10,000 persons, which is the 8th lowest in the Philippines.
 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.



Transportation Capacity

- Although transportation capacity in Aurora ranked relatively high, road density is the 9th lowest in the Philippines (0.42 kilometers per square kilometer). 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.
- 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.



Better solutions. Fewer disasters.

Safer world.

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