



**THE PHILIPPINES**

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**CAVITE**

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**NDPBA PROVINCE PROFILE**

# THE PHILIPPINES

## CAVITE

### CAPITAL: CITY OF TRECE MARTIRES

Area: 1,526 km<sup>2</sup>

Cavite is a province in the Philippines located in the Calabarzon region in Luzon. Located on the southern shores of Manila Bay and southwest of Metro Manila, it is one of the most industrialized and fastest-growing provinces in the Philippines. It is surrounded by Laguna province to the east, Metro Manila to the northeast, and Batangas province to the south. To the west lies the West Philippine Sea and located within the greater Manila area. The economy is largely based on agriculture and tourism. Cavite is highly exposed to earthquakes and typhoons. In 2019, the province was impacted by Typhoon Kammuri, which resulted in a state of calamity declaration for Cavite.



## RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - High**  
Score: 0.519 • Rank: 29/84



**RESILIENCE (R) - Very High**  
Score: 0.615 • Rank: 15/84



**MULTI-HAZARD EXPOSURE (MHE) - Very High**  
Score: 0.789 • Rank: 12/84



**VULNERABILITY (V) - Very Low**  
Score: 0.307 • Rank: 81/84



**COPING CAPACITY (CC) - Low**  
Score: 0.537 • Rank: 56/84



Population (2018)  
**3,589,915**



Population in Poverty  
**3.7%**



Literate population  
**99.7%**



Access to improved water  
**96.8%**



Average life expectancy  
**70.7 years**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 12 / 84 PROVINCES  
SCORE: 0.789



MHE  
0.789

Raw MHE  
0.852

Relative MHE  
0.725

### ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

**96%**

**3,448,145**  
**\$10.3 Billion**



Tsunami

**1%**

**51,671**  
**\$32.2 Million**



Flood

**44%**

**1,583,688**  
**\$6.3 Billion**



Liquefaction

**32%**

**1,160,444**  
**\$4.7 Billion**



Landslide

**2%**

**79,389**  
**\$101.1 Million**



Volcano

**<1%**

**25,798**  
**\$57.8 Million**



Drought

**-**

**-**  
**-**



Wildfire

**56%**

**2,004,635**  
**\$6.8 Billion**



Storm Surge

**17%**

**618,628**  
**\$1.7 Billion**



Typhoon Winds

**100%**

**3,588,574**  
**\$10.5 Billion**




## VULNERABILITY (V)

**RANK: 81 / 84 PROVINCES ASSESSED**  
**SCORE: 0.307**

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



### Environmental Stress

0  1 **SCORE: 0.473** **RANK: 41/84** PROVINCES ASSESSED

**7.53** Livestock density  
**12.08** Barren land (per 10k hectares)  
**6.85%** Forest cover change



### Vulnerable Health Status

0  1 **SCORE: 0.288** **RANK: 76/84** PROVINCES ASSESSED

**6.9%** Malnutrition among children (0 to 5 years old)  
**6.09** Infant mortality rate (per 1k live births)  
**24.67** Maternal mortality rate (per 100k live births)  
**70.69** Life expectancy  
**51** Disability (per 100k persons)

**21.1** Tuberculosis mortality rate (per 100k persons)  
**0.4** HIV mortality rate (per 100k persons)  
**5.3** Intestinal disease mortality rate (per 100k persons)  
**1.1** Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



### Clean Water Vulnerability

0  1 **SCORE: 0.26** **RANK: 69/84** PROVINCES ASSESSED

**96.8%** Households with improved safe water source  
**92.3%** Households with sanitary toilet facility




### Information Access Vulnerability

0  1 **SCORE: 0.182** **RANK: 84/84** PROVINCES ASSESSED

**99.66%** Literacy rate (age 10 and older)  
**101.22%** Gross primary school enrollment rate  
**16.71%** Internet Access  
**74.86%** Households with radio  
**92.44%** Households with television



### Economic Constraints

0  1 **SCORE: 0.075** **RANK: 82/84** PROVINCES ASSESSED

**0.49**  
Economic  
dependency  
ratio

**3.71%**  
Poverty  
incidence



### Gender Inequality

0  1 **SCORE: 0.261** **RANK: 75/84** PROVINCES ASSESSED

**1.07**  
Female to male  
secondary school  
enrollment Rate

**0.61**  
Labor force  
participation ratio



### Population Pressures

0  1 **SCORE: 0.609** **RANK: 5/84** PROVINCES ASSESSED

**3.37**  
Population  
growth rate  
(2010-2015)

**6.3**  
Average annual  
urban population  
growth rate

**2.1%**  
Informal settlers




## COPING CAPACITY (CC)

**RANK: 56 / 84 PROVINCES ASSESSED**  
**SCORE: 0.537**

Cavite 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: 0.471** **RANK: 55/84 PROVINCES ASSESSED**

**0.9**

Purchasing power of the peso

**64.33%**


Labor force participation rate

**809.91**

Local government annual regular income per capita (Philippine Peso)



### Governance

0  1 **SCORE: 0.624** **RANK: 47/84 PROVINCES ASSESSED**

**75.4%**

Voter participation

**5.07**

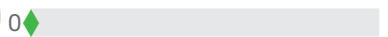
Organized violence (per 100k persons)

**82.36%**

Garbage pickup



### Environmental Capacity

0  1 **SCORE: 0** **RANK: 77/84 PROVINCES ASSESSED**

**0**

Protected areas (per 1k ha)

**0.0%**

Forest reserves



### Infrastructure Capacity

0 1 **SCORE: 0.696** **RANK: 9/84** PROVINCES ASSESSED



### Health Care Capacity **SCORE: 0.542** **RANK: 33/84** PROVINCES ASSESSED

<b>7.62</b>	<b>2.12</b>	<b>60.69%</b>	<b>1.98</b>
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



### Transportation Capacity **SCORE: 0.792** **RANK: 4/84** PROVINCES ASSESSED

<b>7.12</b>	<b>24.18</b>
Road density (km per sq. km)	Average distance to nearest port (km)



### Communications Capacity **SCORE: 0.944** **RANK: 2/84** PROVINCES ASSESSED

<b>14.9%</b>	<b>99.9%</b>
Households with a landline	Mobile coverage



### Energy Capacity **SCORE: 0.974** **RANK: 3/84** PROVINCES ASSESSED

<b>96.0%</b>	<b>73.7%</b>
Households with electricity	Households with gas



### Emergency Services Capacity **SCORE: 0.227** **RANK: 75/84** PROVINCES ASSESSED

<b>12.37</b>	<b>0.69</b>	<b>1.59</b>
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



## RESILIENCE (R)

**RANK: 15 / 84 PROVINCES ASSESSED**  
**SCORE: 0.615**

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

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



**Population Pressures**



**Environmental Stress**



**Emergency Services Capacity**



**Economic Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 16 / 84 PROVINCES ASSESSED**  
**SCORE: 0.344**



**Tsunami**

**RANK: 17 / 84 PROVINCES ASSESSED**  
**SCORE: 0.143**



**Flood**

**RANK: 24 / 84 PROVINCES ASSESSED**  
**SCORE: 0.245**



**Liquefaction**

**RANK: 35 / 84 PROVINCES ASSESSED**  
**SCORE: 0.21**



**Landslide**

**RANK: 76 / 84 PROVINCES ASSESSED**  
**SCORE: 0.102**



**Volcano**

**RANK: 27 / 84 PROVINCES ASSESSED**  
**SCORE: 0.137**

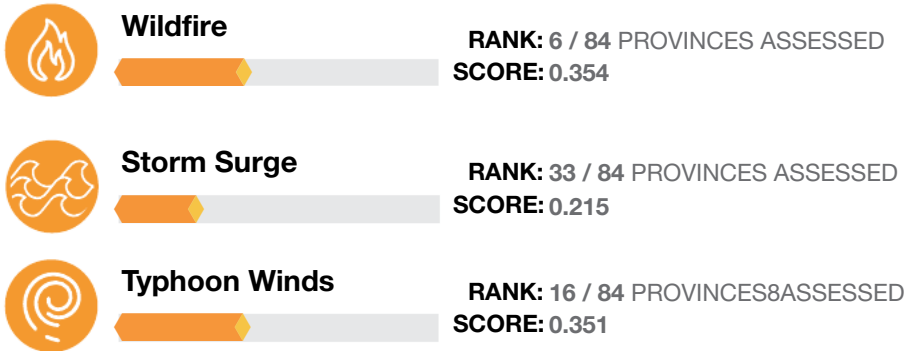


**Drought**

**RANK: 58 / 84 PROVINCES ASSESSED**  
**SCORE: 0.000**



**(HAZARD-SPECIFIC RISK CONTINUED)**



**MULTI-HAZARD RISK (MHR)**

**29 / 84**  
 RANK WITHIN PROVINCES  
 Score: 0.519



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

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

**PROVINCE SCORE**  
**COUNTRY SCORE**



# CAVITE RECOMMENDATIONS

## 1

### Population Pressures

- Cavite is ranked the 5th highest in the Philippines for population pressures. Between 2010 and 2015 the population growth rate was 3.37, which makes Cavite the second fastest growing province in the Philippines. Continue to monitor the growth of the population and adjust the allocation of resources to match the changing population dynamics. 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 as the population grows. Ensure equitable distribution of resources and services for rural and urban areas.

## 2

### Environmental Stress

- Cavite is ranked 5th highest the Philippines for livestock density. Work with farmers and provide them with the necessary tools and knowledge to be able to rear livestock sustainably.
- Population pressures are another major driver of vulnerability in Cavite. Promoting sustainable agriculture and protection of natural areas will ensure resources can keep up with increased demands as the population grows.

## 3

### Emergency Services Capacity

- Continue work with partners such as the Philippines Red Cross to expand and enhance emergency service capacity. 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

- Cavite's annual regular income per capita is 809.9 pesos, which is the 5th lowest in the Philippines. Continue to encourage programs that diversify the economy in Cavite 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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