



**INDONESIA**

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**BANTEN**

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**NDPBA PROVINCE PROFILE**

# BANTEN

## CAPITAL: SERANG

Area: 9,663 km<sup>2</sup>



Located on the far western portion of the island of Java, Banten has been experiencing rapid urbanization and growth as a transit hub between Java and Sumatra. The climate of Banten

has been traditionally influenced by both annual monsoonal events and ENSO (El Nino and La Nina) oscillations. Although the region has a high level of coping capacity, earthquakes and flooding commonly affect the region, which has both high population density and agricultural production in the northern region. Good governance and infrastructure have also contributed to Banten's resilience in the face of the many historic earthquakes affecting the province.

## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR) - Moderate

Score: 0.496 • Rank: 17/34



### RESILIENCE (R) - Moderate

Score: 0.514 • Rank: 17/34



### MULTI-HAZARD EXPOSURE (MHE) - Moderate

Score: 0.529 • Rank: 13/34



### VULNERABILITY (V) - Low

Score: 0.399 • Rank: 25/34



### COPING CAPACITY (CC) - Very High

Score: 0.582 • Rank: 4/34



### DISASTER MANAGEMENT CAPABILITIES (DMC) - Very Low

Score: 0.361 • Rank: 34/34



Population (2020 Projected)

**13,160,500**



Population in Poverty

**4.9%**



Adult Literacy Rate

**97.6%**



Access to improved water

**91.6%**



Average life expectancy

**69.8 years**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 13 / 34 PROVINCES  
SCORE: 0.529



MHE  
0.529

Raw MHE  
0.589

Relative MHE  
0.469

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



Earthquake

**80%**

10,022,598  
\$60.2 Billion



Tsunami

**3%**

422,883  
\$2 Billion



Flood

**51%**

6,446,939  
\$40.34 Billion



Flash Flood

**2%**

216,801  
\$1.2 Billion



Landslide

**<1%**

35,375  
\$132.4 Million



Volcano

**0%**

-  
-



Drought

**1%**

181,648  
\$3.2 Billion



Wildfire

**1%**

111,276  
\$419 Million



Extreme Weather

**99%**

12,415,458  
\$76.9 Billion



## VULNERABILITY (V)

**RANK: 25 / 34 PROVINCES ASSESSED**  
**SCORE: 0.399**

Vulnerability in Banten is primarily driven by Population Pressures and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the province's overall Vulnerability score.



### Environmental Stress

**SCORE: 0.383 RANK: 15/34 PROVINCES ASSESSED**

<b>18.8%</b> Land susceptible to severe erosion	<b>167.51</b> Livestock Density (per sq km)	<b>-523.6</b> Net Deforestation (hectares per year)
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### Vulnerable Health Status

**SCORE: 0.338 RANK: 25/34 PROVINCES ASSESSED**

<b>69.84</b> Life expectancy (years)	<b>32</b> Infant mortality rate (per 1,000 live births)	<b>97.32</b> Maternal mortality ratio	<b>10.5%</b> Children (under 5) Wasting	<b>6.2%</b> Disability	<b>6.0%</b> Unmet health care needs	<b>8.7%</b> Households with limited access to health facility
<b>1.7%</b> Households with catastrophic health expenditure	<b>8.06</b> Dengue incidence per 100,000 population	<b>0.39</b> Measles incidence per 100,000 population	<b>0</b> Malaria incidence per 100,000 population	<b>240</b> TB case notification per 100,000 population	<b>23.55</b> HIV & AIDS incidence per 100,000 population	<b>0.8</b> Prevalence of Leprosy per 10,000 population



### Clean Water Vulnerability

**SCORE: 0.319 RANK: 25/34 PROVINCES ASSESSED**

<b>91.6%</b> Households with improved water	<b>81.0%</b> Households with improved sanitation
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### Information Access Vulnerability

**SCORE: 0.356 RANK: 26/34 PROVINCES ASSESSED**

<b>97.6%</b> Adult literacy rate	<b>98.0%</b> Net primary school enrollment rate	<b>8.74</b> Average years of schooling	<b>82.3%</b> Household using internet
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### Economic Constraints

**SCORE: 0.461 RANK: 11/34 PROVINCES ASSESSED**

<b>8.1%</b> Unemployment rate	<b>45.3</b> Age dependency ratio	<b>4.9%</b> Poverty rate	<b>0.365</b> GINI ratio
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### Gender Inequality

**SCORE: 0.463 RANK: 23/34 PROVINCES ASSESSED**

<b>0.97</b> Female to male literacy rate	<b>0.54</b> Female to male labor ratio	<b>1.03</b> Female to male secondary school enrollment ratio	<b>23.5%</b> Percent female seats in government
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### Population Pressures

**SCORE: 0.476 RANK: 12/34 PROVINCES ASSESSED**

<b>2.3%</b> Average annual total population change	<b>2.9%</b> Average annual urban population change
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## COPING CAPACITY (CC)

**RANK: 4 / 34 PROVINCES ASSESSED**  
**SCORE: 0.582**

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



### Economic Capacity

**SCORE: 0.425** **RANK: 10/34 PROVINCES ASSESSED**

<b>64.5%</b> Labor force participation	<b>3,842,833</b> Average monthly income (IDR)	<b>36.9</b> GDP per capita (Million IDR)
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### Governance

**SCORE: 0.666** **RANK: 10/34 PROVINCES ASSESSED**

<b>54</b> Crime rate per 100,000 population	<b>61.4%</b> Crime clearance rate	<b>83.7%</b> Voter participation
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### Environmental Capacity

**SCORE: 0.436** **RANK: 13/34 PROVINCES ASSESSED**

**10.8%**  
Protected area



### Infrastructure Capacity

**SCORE: 0.704** **RANK: 4/34 PROVINCES ASSESSED**



### Health Care Capacity

**SCORE: 0.371** **RANK: 26/34 PROVINCES ASSESSED**

<b>8.7</b> Hospital beds per 10,000 people	<b>4.78</b> Physicians per 10,000 people	<b>9.41</b> Nurses and midwives per 10,000 people	<b>21.7%</b> Time to public hospital (over 1 hour)	<b>33.4%</b> Immunization rate (children under 5)	<b>77.7%</b> Health care accreditation rate	<b>74.7%</b> Population covered by health insurance
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### Transportation Capacity

**SCORE: 0.751** **RANK: 4/34 PROVINCES ASSESSED**

<b>1.45</b> Road and rail density	<b>23.37</b> Average distance to port or airport
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### Communications Capacity

**SCORE: 0.725** **RANK: 8/34 PROVINCES ASSESSED**

<b>65.2%</b> Mobile phone ownership	<b>2.2%</b> Households with Fixed Phones
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### Energy Capacity

**SCORE: 0.968** **RANK: 1/34 PROVINCES ASSESSED**

<b>99.6%</b> Households served by state electricity	<b>17.5%</b> Percentage of total national electricity generated in province	<b>381.33</b> Electricity generation GWh per 100,000 Population	<b>88.7%</b> Households with gas for cooking
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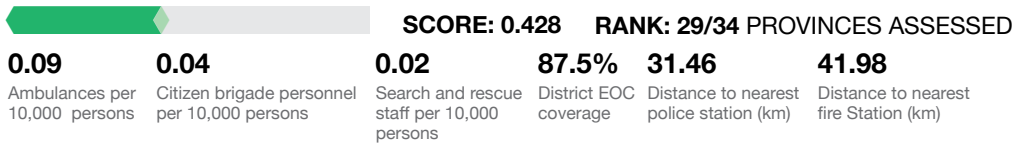
## DISASTER MANAGEMENT CAPABILITIES (DMC)

**RANK: 34 / 34** PROVINCES ASSESSED  
**SCORE: 0.582**

Banten exhibits weaker Disaster Management Capabilities in the areas of Early Warning and Monitoring and Emergency Services. The bar charts indicate the disaster management themes contributing to the province's overall Disaster Management Capabilities score.



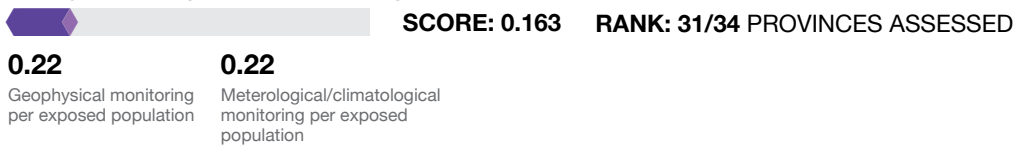
### Emergency Services



### Mass Care Support



### Early Warning and Monitoring





## RESILIENCE (R)

**RANK: 17 / 34 PROVINCES ASSESSED**  
**SCORE: 0.514**

Banten's Moderate Resilience score and ranking are due to Low Vulnerability combined with Very High Coping Capacity, and Very Low Disaster Management Capabilities scores.

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



**Population Pressures**



**Gender Inequality**



**Health Care Capacity**



**Economic Capacity**



**Early Warning and Monitoring**



**Emergency Services**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 12 / 34 PROVINCES ASSESSED**  
**SCORE: 0.278**



**Tsunami**

**RANK: 14 / 34 PROVINCES ASSESSED**  
**SCORE: 0.248**



**Flood**

**RANK: 10 / 34 PROVINCES ASSESSED**  
**SCORE: 0.267**



**Flash Flood**

**RANK: 18 / 34 PROVINCES ASSESSED**  
**SCORE: 0.193**



**Landslide**

**RANK: 27 / 34 PROVINCES ASSESSED**  
**SCORE: 0.160**



**Volcano**

**RANK: 24 / 34 PROVINCES ASSESSED**  
**SCORE: 0.128**



**Drought**

**RANK: 27 / 34 PROVINCES ASSESSED**  
**SCORE: 0.148**



**Wildfire**

**RANK: 25 / 34 PROVINCES ASSESSED**  
**SCORE: 0.167**



**Extreme Weather**

**RANK: 9 / 34 PROVINCES ASSESSED**  
**SCORE: 0.289**



## MULTI-HAZARD RISK (MHR)

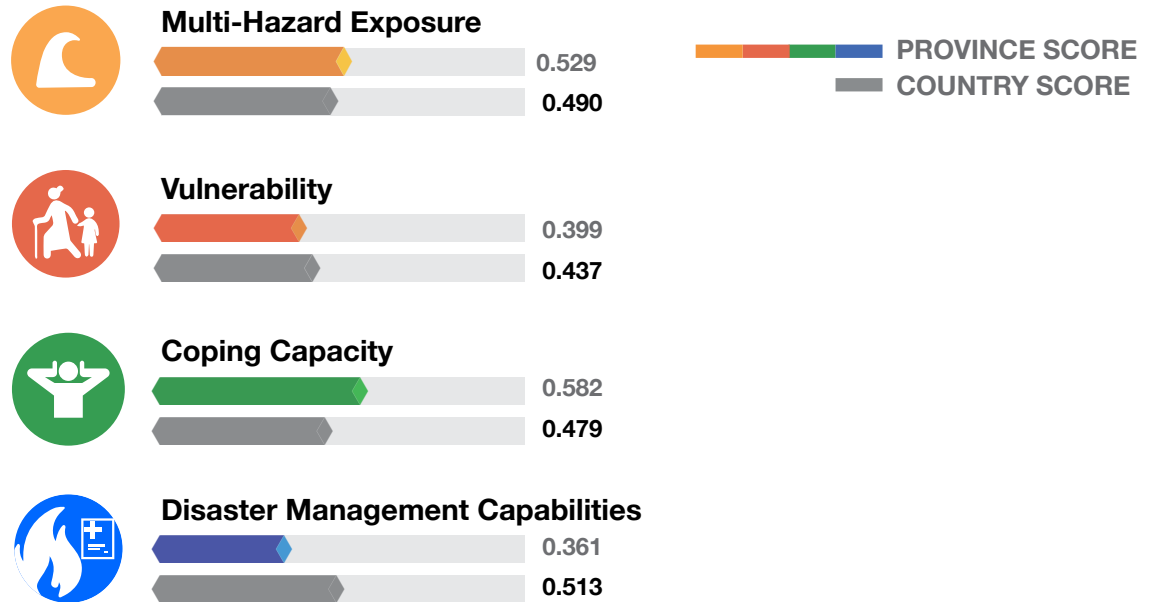
**17 / 34**

RANK WITHIN PROVINCES  
Score: 0.496



Banten's Moderate Multi-hazard Risk score and ranking are due to Moderate Multi-hazard exposure combined with Low Vulnerability, Very High Coping Capacity, and Very Low Disaster Management Capabilities scores.

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





# BANTEN RECOMMENDATIONS

## 1

### Population Pressures

Findings show that Banten has the 12th highest overall Population Pressures in the country, with the 8th highest Average Population Change (2.31%) and the 10th highest Net Recent Migration rate (9.81). In addition, Banten has the 5th highest ranking for population exposure to multiple hazards.

Banten's growth in the industrial and manufacturing sectors and proximity to the nation's capital have resulted in notable population increases.

Promote interagency engagement and collaboration in sustainable development planning to anticipate the needs of the growing population and encourage equitable distribution of services and infrastructure – including housing, transportation, health care, and communications.

## 2

### Gender Inequality

Banten's female to male Labor Ratio of 0.54 drives its overall Gender Inequality score. In addition, enhanced efforts to achieve gender balance in relation

Enact policies and programs that reduce gender discrimination to boost economic growth and reduce poverty, especially among women.

Invest in programs that support women's sexual and reproductive rights to facilitate increased participation in, and contribution to social and economic development.

# BANTEN RECOMMENDATIONS

## 3

### Health Care Capacity

Banten has the 9th lowest Health Care Capacity ranking in the country, driven by the lowest ranking for Nurses and Midwives (fewer than 10 per 10,000 persons), the 4th lowest number of Hospital Beds (8.7 beds per 10,000 persons), and the 4th lowest Immunization Rate in children under 5 years of age (33.35%). These capacity constraints will become more evident as Banten’s population grows.

Increase the number of hospital beds to improve availability of inpatient services, and expand the minimum health service standard to improve access to, and quality of care, with special focus on mothers, children, adolescents, elderly, and those with chronic health conditions.

Strengthen programs focused on disease prevention and health promotion to counter preventable diseases through vaccination, and the growing number of non-communicable diseases in the country (e.g. diabetes and heart disease).

## 4

### Economic Capacity

While Banten ranks 10th for overall Economic Capacity, it has the 6th lowest Labor Force Participation rate (64.5%) in the country. Banten’s fast growing economy and significant informal sector would benefit by increased engagement of the female workforce.

Expand opportunities for women to participate in economic activities through the implementation of programs that provide quality, affordable childcare and health care services.

## BANTEN RECOMMENDATIONS

### 5

#### Early Warning and Monitoring

Banten has the 4th lowest rank for overall Early Warning and Monitoring capabilities in the country, with the 5th lowest ranking for both geophysical hazard warning systems and meteorological-climate hazard warning systems. Given Banten's high population exposure to multiple hazards (ranking 5th), increasing instrumentation and coverage of monitoring equipment and improving redundancies in transmission of warning messages will enhance distribution of life-saving information.

In addition, due to Banten's relatively high influx of migrants, efforts to improve understandability and accurate interpretation of alerts and warning information will facilitate response actions during hazard events.

### 6

#### Emergency Services

Banten has the 6th lowest ranking for overall Emergency Services capabilities, driven by the lowest number of Search and Rescue staff (.02 per 10,000 persons), and the 2nd lowest number of Ambulances (.09 per 10,000 persons) in the country.

Given the necessity to expand Emergency Services capabilities to accommodate the needs of a growing population, secure funding to expand service provision (e.g., ambulances) and recruit and train additional Search and Rescue staff and Citizen Brigade personnel.

Institute a training and exercise schedule to regularly practice and maintain skills. Broaden response training to encompass industrial hazards in addition to the many natural hazards faced by the province.

**Better solutions.  
Fewer disasters.**

# Safer world.

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