



INDONESIA

KEPULAUAN RIAU

NDPBA PROVINCE PROFILE

KEPULAUAN RIAU

CAPITAL: TANJUNG PINANG

Area: 8,202 km²

Kepulauan Riau (the Riau Islands) archipelago of over 2,400 islands lies in a strategic location astride shipping lanes near Singapore and Malaysia. With high levels of

resilience and coping capacity, the province of Kepulauan Riau has been historically influenced by trade and both European and East Asian powers. Localization of DRR and SDG efforts in the province are under way and encouraged by BNPB and multilateral entities. Focused efforts to enhance gender equity, governance, health care capacity and disaster management capabilities will further benefit these remote islands.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low

Score: 0.361 • Rank: 34/34



RESILIENCE (R) - Very High

Score: 0.580 • Rank: 5/34



MULTI-HAZARD EXPOSURE (MHE) - Very Low

Score: 0.186 • Rank: 33/34



VULNERABILITY (V) - Very Low

Score: 0.388 • Rank: 28/34



COPING CAPACITY (CC) - Very High

Score: 0.577 • Rank: 5/34



DISASTER MANAGEMENT CAPABILITIES (DMC) - High

Score: 0.552 • Rank: 9/34



Population (2020 Projected)

2,242,200



Population in Poverty

5.8%



Adult Literacy Rate

99.0%



Access to improved water

88.5%



Average life expectancy

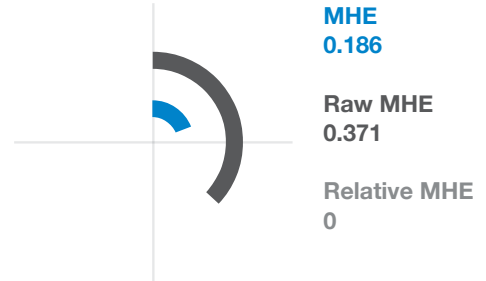
69.8 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 33 / 34 PROVINCES
SCORE: 0.186



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

0%

👤 -

-



Tsunami

0%

👤 -

-



Flood

19%

👤 364,329

\$40.89 Billion



Flash Flood

<1%

👤 3,517

\$44.5 Million



Landslide

1%

👤 14,195

\$1.1 Billion



Volcano

0%

👤 -

-



Drought

1%

👤 21,743

\$1.8 Billion



Wildfire

4%

👤 84,599

\$1.4 Billion



Extreme Weather

99%

👤 1,917,179

\$241.9 Billion



VULNERABILITY (V)

RANK: 28 / 34 PROVINCES ASSESSED
SCORE: 0.388

Vulnerability in Kepulauan Riau 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: 0.265 RANK: 28/34 PROVINCES ASSESSED

1.0% Land susceptible to severe erosion	50.1 Livestock Density (per sq km)	504 Net Deforestation (hectares per year)
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Vulnerable Health Status

SCORE: 0.305 RANK: 28/34 PROVINCES ASSESSED

69.8 Life expectancy (years)	35 Infant mortality rate (per 1,000 live births)	83.93 Maternal mortality ratio	11.2% Children (under 5) Wasting	6.5% Disability	3.5% Unmet health care needs	8.0% Households with limited access to health facility
1.2% Households with catastrophic health expenditure	56.35 Dengue incidence per 100,000 population	4.12 Measles incidence per 100,000 population	0.06 Malaria incidence per 100,000 population	247 TB case notification per 100,000 population	73.63 HIV & AIDS incidence per 100,000 population	0.46 Prevalence of Leprosy per 10,000 population



Clean Water Vulnerability

SCORE: 0.224 RANK: 31/34 PROVINCES ASSESSED

88.5% Households with improved water	89.1% Households with improved sanitation
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Information Access Vulnerability

SCORE: 0.151 RANK: 33/34 PROVINCES ASSESSED

99.0% Adult literacy rate	99.1% Net primary school enrollment rate	9.99 Average years of schooling	88.0% Household using internet
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Economic Constraints

SCORE: 0.398 RANK: 19/34 PROVINCES ASSESSED

6.9% Unemployment rate	46.4 Age dependency ratio	5.8% Poverty rate	0.341 GINI ratio
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Gender Inequality

SCORE: 0.545 RANK: 9/34 PROVINCES ASSESSED

1 Female to male literacy rate	0.52 Female to male labor ratio	1.13 Female to male secondary school enrollment ratio	17.8% Percent female seats in government
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Population Pressures

SCORE: 0.830 RANK: 2/34 PROVINCES ASSESSED

3.3% Average annual total population change	3.3% Average annual urban population change
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COPING CAPACITY (CC)

RANK: 5 / 34 PROVINCES ASSESSED
SCORE: 0.577

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



Economic Capacity

SCORE: 0.617 RANK: 4/34 PROVINCES ASSESSED

64.8% Labor force participation	4,276,449 Average monthly income (IDR)	95.3 GDP per capita (Million IDR)
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Governance

SCORE: 0.568 RANK: 22/34 PROVINCES ASSESSED

164 Crime rate per 100,000 population	59.8% Crime clearance rate	83.9% Voter participation
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Environmental Capacity

SCORE: 0.113 RANK: 30/34 PROVINCES ASSESSED

3.2%
Protected area



Infrastructure Capacity

SCORE: 0.700 RANK: 5/34 PROVINCES ASSESSED



Health Care Capacity **SCORE: 0.589 RANK: 8/34 PROVINCES ASSESSED**

14.4 Hospital beds per 10,000 people	4.48 Physicians per 10,000 people	16.41 Nurses and midwives per 10,000 people	11.3% Time to public hospital (over 1 hour)	56.1% Immunization rate (children under 5)	78.5% Health care accreditation rate	75.0% Population covered by health insurance
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Transportation Capacity **SCORE: 0.602 RANK: 9/34 PROVINCES ASSESSED**

0.57 Road and rail density	24.34 Average distance to port or airport
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Communications Capacity **SCORE: 0.906 RANK: 2/34 PROVINCES ASSESSED**

76.4% Mobile phone ownership	3.0% Households with Fixed Phones
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Energy Capacity **SCORE: 0.704 RANK: 9/34 PROVINCES ASSESSED**

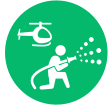
96.9% Households served by state electricity	1.0% Percentage of total national electricity generated in province	133.84 Electricity generation GWh per 100,000 Population	82.2% Households with gas for cooking
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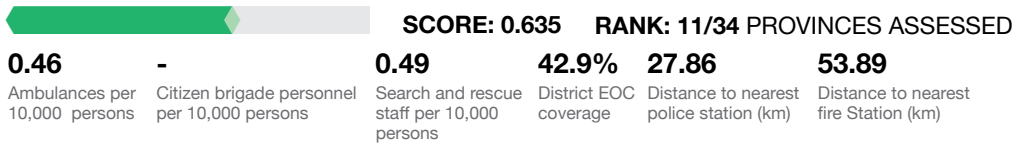
DISASTER MANAGEMENT CAPABILITIES (DMC)

RANK: 9 / 34 PROVINCES ASSESSED
SCORE: 0.577

Kepulauan Riau exhibits weaker Disaster Management Capabilities in the areas of Mass Care Support and Emergency Services. The bar charts indicate the disaster management themes contributing to the province's overall Disaster Management Capabilities score.



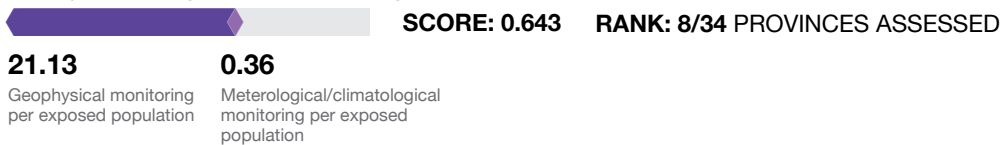
Emergency Services



Mass Care Support



Early Warning and Monitoring





RESILIENCE (R)

RANK: 5 / 34 PROVINCES ASSESSED
SCORE: 0.580

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

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



Population Pressures



Gender Inequality



Governance



Health Care Capacity



Mass Care Support



Emergency Services



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 33 / 34 PROVINCES ASSESSED
SCORE: 0.067



Tsunami

RANK: 34 / 34 PROVINCES ASSESSED
SCORE: 0.067



Flood

RANK: 27 / 34 PROVINCES ASSESSED
SCORE: 0.162



Flash Flood

RANK: 27 / 34 PROVINCES ASSESSED
SCORE: 0.128



Landslide

RANK: 30 / 34 PROVINCES ASSESSED
SCORE: 0.135



Volcano

RANK: 33 / 34 PROVINCES ASSESSED
SCORE: 0.067



Drought

RANK: 31 / 34 PROVINCES ASSESSED
SCORE: 0.119



Wildfire

RANK: 28 / 34 PROVINCES ASSESSED
SCORE: 0.160



Extreme Weather

RANK: 15 / 34 PROVINCES ASSESSED
SCORE: 0.267



MULTI-HAZARD RISK (MHR)

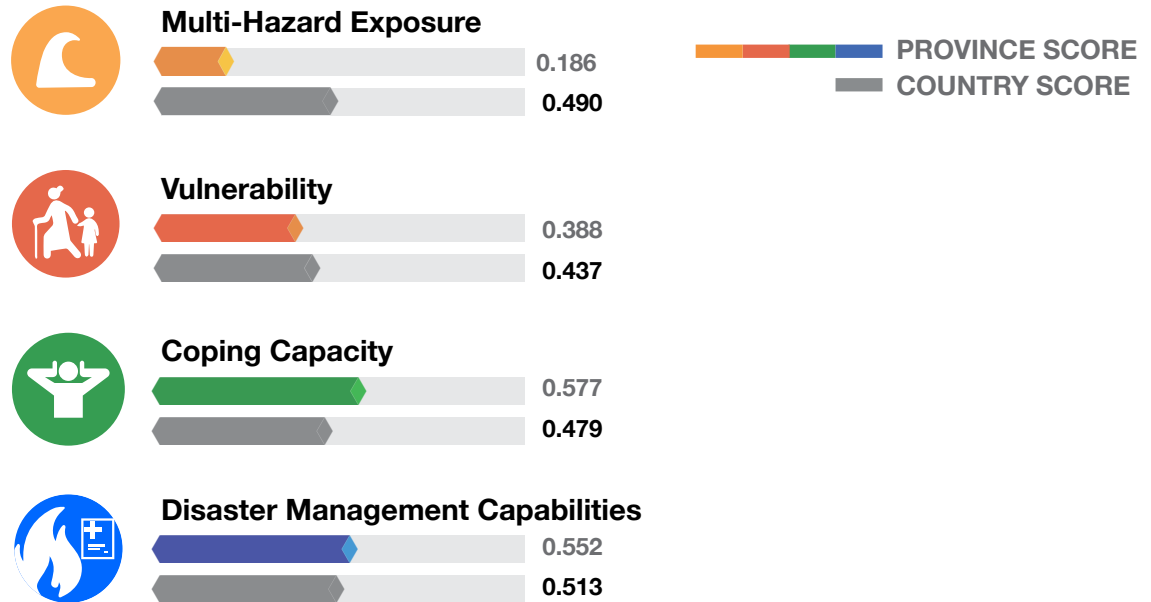
34 / 34

RANK WITHIN PROVINCES
Score: 0.361



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

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



KEPULAUAN RIAU RECOMMENDATIONS

1

Population Pressures

Kepulauan Riau has the 2nd highest vulnerability related to Population Pressures, with Average Population Change (3.25%) and Net Recent Migration (61.97) being the most significant drivers.

Kepulauan Riau's relatively high Average Monthly Income (4.2 million IDR) and thriving energy and manufacturing-based economy have attracted an influx of migrants in recent years.

Promote interagency engagement and collaboration in sustainable development planning to anticipate the needs of the growing population.

2

Gender Inequality

Kepulauan Riau ranks 9th for overall Gender Inequality. Most significant drivers are female to male Labor Ratio, and female to male Secondary Enrollment Rate. Kepulauan Riau ranks 6th for both these indicators. Female representation in government is <18%, below Indonesia's target of 30%.

Invest in programs that support women's sexual and reproductive rights to facilitate increased participation in, and contribution to, social and economic development. Increase opportunities to expand participation of women in education and economic activities through the implementation of programs that provide quality, affordable childcare and health care services.

Empower and enhance participation of women in leadership positions and community disaster preparedness and recovery processes.

KEPULAUAN RIAU RECOMMENDATIONS

3

Governance

Kepulauan Riau has the 13th lowest overall Governance ranking, driven by the incidence of crime. The province has a Crime Rate of 164 per 100,000 persons, and a Crime Clearance Rate of nearly 60%.

Strengthen support for public security through increased law enforcement and surveillance, youth education and personal safety programs, and community support programs for ex-criminals.

4

Health Care Capacity

Kepulauan Riau has the 8th highest Health Care Capacity ranking in the country, however, findings show that improvements could be made in the areas of Health Insurance (25% of the population are not insured), Hospital Accreditation (22% of hospitals are not accredited), and the number of medical professionals.

Results also indicate that Kepulauan Riau has fewer than five Physicians per 10,000 persons, and fewer than 17 nurses and midwives per 10,000 persons. While not all of the province's 1,994 islands are inhabited, accessing timely medical care, particularly in an emergency presents challenges in an island environment with limited health care capacity.

KEPULAUAN RIAU RECOMMENDATIONS

5

Mass Care Support

Kepulauan Riau province has the 6th lowest Mass Care Support capabilities in the country, primarily influenced by the availability of disaster equipment, and distance to disaster stockpiles.

The province's population is exposed to multiple hazards, including wildfire, drought, flooding and landslides. Should the population be displaced or need to evacuate, there are 4.2 Emergency Shelters per 10,000 persons.

Kepulauan Riau would benefit from enhanced shelter capacity and increased disaster equipment supplies. In addition, consider strategic placement of disaster stockpiles in the province.

6

Emergency Services

Kepulauan Riau ranks 11th for Emergency Services capabilities. Consider increasing the number and distribution of ambulances in the province (currently .46 per 10,00 persons), the number of Search and Rescue personnel, and training Citizen Brigades to assist with community-based disaster preparedness and response activities.

**Better solutions.
Fewer disasters.**

Safer world.

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