



NDPBA PROVINCE PROFILE



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PROVINCIAL PROFILE

ACEH CAPITAL: BANDA ACEH

Area: 57,956 km²

An autonomous province in the far west of the Indonesian archipelago, Aceh has a diverse population with large indigenous communities.

Oil and natural gas resources are



plentiful, as are the variety of historical hazards affecting this province where Sharia law is officially practiced. Historically, the confluence of high vulnerability and multi-hazard risks have meant that large-scale disasters, such as the 2004 Indian Ocean earthquake and tsunami, have had catastrophic and long-term impacts. A survey of recent historical hazards includes volcanic eruptions, earthquakes and a series of devastating tsunamic events. The effects of these events have been compounded by the social and conflict challenges faced by the Aceh region after many years of political and military struggles.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - High Score: 0.521 · Rank: 9/34



RESILIENCE (R) - Low Score: 0.490 • Rank: 22/34



MULTI-HAZARD EXPOSURE (MHE) - High Score: 0.555 • Rank: 11/34



VULNERABILITY (V) - High Score: 0.459 • Rank: 10/34



COPING CAPACITY (CC) - Very Low Score: 0.378 • Rank: 31/34



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DISASTER MANAGEMENT CAPABILITIES (DMC) - High

Score: 0.552 · Rank: 8/34

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



Population (2020 Projected) 5,459,900



Population in Poverty **15.0%**



Adult Literacy Rate 98.2%



Access to improved water 85.8%

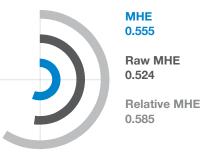


Average life expectancy

69.9 years

MULTI-HAZARD EXPOSURE (MHE)

RANK: 11 / 34 PROVINCES SCORE: 0.555



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



91% 4,639,854 \$74.3 Billion

Earthquake



47%

Flood

2,365,706 \$39.66 Billion



Landslide

9% 465,909 \$5.4 Billion





3% ▲ 153,232 \$2.9 Billion



Extreme Weather 96% 4,879,692 \$80.6 Billion 7%
367,752
\$4.7 Billion
Flash Flood
8%
395,772
\$5.1 Billion
Volcano
1%
30,903
\$323.1 Million

Tsunami

Wildfire

8% 381,886 \$4.2 Billion



VULNERABILITY (V)

RANK: 10 / 34 PROVINCES ASSESSED SCORE: 0.459

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



Environmental Stress

20.0% Land susceptible to severe erosion

Livestock Density (per sq km)

20.54

3216.4 Net Deforestation (hectares per year)



Vulnerable Health Status

69.87 47 Life expectancy (years)

Infant mortality rate (per 1,000 live births)

29.03 Dengue incidence per 100,000

population

Measles incidence per 100.000 population

121.43

Maternal

30.66

mortality ratio

0.02 Malaria incidence per 100,000 population

11.9%

5) Wasting

Children (under

151 TB case notification per 100,000 population

SCORE: 0.417 RANK: 12/34 PROVINCES ASSESSED

SCORE: 0.432 RANK: 15/34 PROVINCES ASSESSED

10.0%

Disasbility

RANK: 14/34 PROVINCES ASSESSED

9.41 HIV & AIDS incidence per 100,000 population

4.5%

Unmet health

care needs

Prevalence of Leprosy per 10,000 population

Households with limited

access to health facility

6.6%

0.66



Clean Water Vulnerability

SCORE: 0.516 RANK: 14/34 PROVINCES ASSESSED

85.8% Households with improved water

1.4%

Households with

expenditure

catastrophic health

Households with improved sanitation

73.2%



Information Access Vulnerability

98.2% 99.1% Adult literacy rate Net primary school enrollment rate

SCORE: 0.354		RANK: 28/34 PROVINCES ASSESSED
9.18	65.2%	
Average years of schooling		

SCODE: 0 254

Economic Constraints

		SCOR	E: 0.519	RANK: 7/34 PROVINCES ASSESSED
6.2%	53.6	15.0%	0.319	
Unemployment rate	Age dependency ratio	Poverty rate	GINI ratio	



Gender Inequality

Ο̈́)			SCOR	E: 0.540	RANK: 10/34 PROVINCES ASSESSED
	0.98 Female to male literacy rate	0.57 Female to male labor ratio	1.07 Female to male secondary school enrollment ratio	14.8% Percent fema seats in government	le
	Populatior	n Pressures			

SCORE: 0.432



2.1% 4.3% Average annual Average annual total population urban population change change

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PROVINCIAL PROFILE

COPING CAPACITY (CC)

RANK: 31 / 34 PROVINCES ASSESSED SCORE: 0.378

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

Ċs	Economic Cap	acity	500BE 0 400					
ŶŸ	63.4%	2,362,295	SCORE: 0.136 26.5	RANK: 34/34 PROVIN	ICES ASSESSE	D		
	Labor force participation	Average monthly income (IDR)	GDP per capita (Million IDR)					
	Governance		(MINION IDIA)					
Î	Governance		SCORE: 0.397	RANK: 28/34 PROVIN		ר		
	169	38.3%	82.0%	NAMA. 20/34 FROMINOLS ASSESSED				
	Crime rate per 100,000 population	Crime clearance rate	Voter participation					
	Environmental Capacity							
			SCORE: 0.661	RANK: 9/34 PROVINC	ES ASSESSED			
	16.1% Protected area							
	Infrastructure (Capacity						
			SCORE: 0.505	RANK: 18/34 PROVIN	CES ASSESSEI)		
Health Care Capacity SCORE: 0.627 RANK: 5/34 PROVINCES ASSESSED				ED				
	16 5.2	5 32.38	3 20.1%	20.2 %	74.2%	106.5%		
	Hospital beds per Phys 10,000 people 10,00		and midwives Time to p 000 people (over 1 ho			Population covered by health insurance		
	Transpo	ortation Cap	acity SCORE: ().373 RANK: 19/34 P	ROVINCES ASS	SESSED		
	0.21	36.81						
	Road and rail density	Average or airport	distance to port					
	Commu	unications C	apacity SCORI	E: 0.485 RANK: 27/34	PROVINCES A	SSESSED		
	57.8%	0.5%						
	Mobile phone ownership	Househol	ds with Fixed Phones					
	Energy C	Capacity So	CORE: 0.536 R/	NK: 15/34 PROVINCES	S ASSESSED			
	99.1%	0.2%		9.79	87.1%			
	Households served by st electricity		age of total national y gererated in province	Electricity generation GWh per 100,000 Population	Households with g cooking	as for		



DISASTER MANAGEMENT CAPABILITIES (DMC)

RANK: 8 / 34 PROVINCES ASSESSED SCORE: 0.378

Aceh 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

9			SCORE: 0.659 RANK: 8/34 PROVINCES ASSES			NCES ASSESSED
	0.65	0.23	0.18	82.6%	33.39	70.65
	Ambulances per 10,000 persons	Citizen brigade personnel per 10,000 persons	Search and rescue staff per 10,000 persons	District EOC coverage	Distance to nearest police station (km)	Distance to nearest fire Station (km)

SCORE: 0.666



Mass Care Support

131.76 0.4 Distance to nearest disaster 10,000 persons stockpile (km)

1.31 Vehicle euipment per Shelter equipment per 10,000 persons

Communications equipment per 10,000 per 10,000 persons persons

0.17

2.46 Emergency Shelters per 10,000 persons



Early Warning and Monitoring

SCORE: 0.331

RANK: 24/34 PROVINCES ASSESSED

0.36

RANK: 6/34 PROVINCES ASSESSED

Support equipment

Geophysical monitoring per exposed population

0.4

0.42

Meterological/climatological monitoring per exposed population



RESILIENCE (R)

RANK: 22 / 34 PROVINCES ASSESSED SCORE: 0.490

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

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















Gender Inequality Economic Constraints

Economic Capacity

Capacity

Transportation

Early Warning and Monitoring





HAZARD-SPECIFIC RISK (HSR)

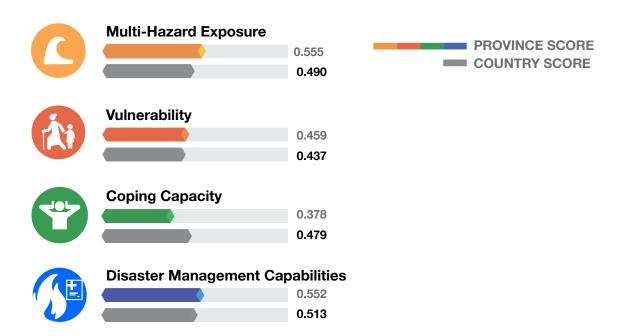
Earthquake	RANK: 6 / 34 PROVINCES ASSESSED SCORE: 0.324
Tsunami	RANK: 7 / 34 PROVINCES ASSESSED SCORE: 0.318
Flood	RANK: 8 / 34 PROVINCES ASSESSED SCORE: 0.272
Flash Flood	RANK: 4 / 34 PROVINCES ASSESSED SCORED.301
Landslide	RANK: 8 / 34 PROVINCES ASSESSED SCORED.295
Volcano	RANK: 8 / 34 PROVINCES ASSESSED SCORE: 0.257
Drought	RANK: 29 / 34 PROVINCES ASSESSED SCORED.137
Wildfire	RANK: 16 / 34 PROVINCES ASSESSED SCORE: 0.223
Extreme Weather	RANK: 7 / 34 PROVINCES ASSESSED SCORE: 0.303



9 / 34 RANK WITHIN PROVINCES Score: 0.521

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

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



ACEH RECOMMENDATIONS



Gender Inequality

Aceh ranks 10th for overall Gender Inequality. Findings show that female representation in Parliament (<15%) is considerably lower that the country's target for female representation in government of 30%. Aceh's female to male labor ratio of 0.57 also reflects gender inequality in the province. Continue efforts to promote gender equality through the enactment and implementation of laws that establish rights, responsibilities and opportunities for women and men related to education, leadership, employment. Empower and enhance participation of women in leadership positions such as formal and informal justice systems, and community disaster preparedness and recovery processes. Foster engagement with NGO partners in the implementation of programs and projects that promote gender balance in disaster management and disaster risk reduction activities in line with established laws.



Economic Constraints

Aceh ranks 7th for overall Economic Constraints in the country, driven by the 6th highest poverty rate, the 8th highest Unemployment Rate, and the 8th highest Age Dependency Ratio (ratio of non-working age population to working age population). Despite the substantial assistance provided in the aftermath of the 2004 tsunami, an abundance of natural resources, and significant per capita spending on infrastructure, education and health, poverty persists in the province, especially in rural areas.

Increase access to financing and support structures (e.g. microfinance services and loans) for poor and vulnerable populations. Promote workforce opportunities for women to boost economic growth and reduce economic dependency.

ACEH RECOMMENDATIONS



Economic Capacity

Aceh has the lowest Economic Capacity in Indonesia, driven by the 3rd lowest Labor Force Participation rate, 9th lowest GDP per Capita, and 9th lowest Average Monthly Income. As described above, Aceh suffers from persistent poverty. Focus long term development initiatives in poor and rural areas to promote workforce opportunities that boost economic growth and reduce economic dependency.

Transportation Capacity

Aceh ranks 19th for

Transportation Capacity. Given the province's exposure to numerous meteorological and geophysical hazards, efforts to protect and strengthen existing transportation infrastructure, and incorporate mitigation strategies into new infrastructure projects, would enhance Aceh's overall transportation capacity and reduce interruptions caused by hazard impacts.

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ACEH RECOMMENDATIONS

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Early Warning and Monitoring

Aceh has the 11th lowest Early Warning and Monitoring capability in the country, and the 11th highest overall Multi-Hazard Exposure. Warning system instrumentation and coverage for geophysical and meteorological/ climate-based hazards could be bolstered given the province's exposure to multiple hazards.



Emergency Services

Findings show that Aceh has the 8th highest ranking for Emergency Services capabilities, with the 8th highest Citizen Brigade participation, and the 3rd highest fleet of Ambulances per 10,000 persons. Emergency Services in Aceh could be strengthened through more accessible Police services (the Average Distance to Police Stations in Aceh is over 30 km) and by increasing the numbers of trained Search and Rescue staff.



Better solutions. Fewer disasters.

Scifer

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