



NDPBA

VIỆT NAM PROVINCE RISK PROFILES

SUBNATIONAL ASSESSMENT RESULTS





VIỆT NAM

AN GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM AN GIANG

CAPITAL: LONG XUYÊN

Area: 3,675 km²

An Giang is located in the upper reaches of the Mekong Delta sharing a 100km border with Cambodia to the northwest. With the exception of the west, the fairly flat terrain with many irrigated canals has led the province to being one of the largest rice producing centers in the Delta. An Giang has a largest population in the Delta - home of Kinh people and other ethnic groups such as Khmer and Chams and has large proportion of Muslim population in the country.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.518 • Rank: 19/63



RESILIENCE (R) - moderate
Score: 0.517 • Rank: 35/63



MULTI-HAZARD EXPOSURE - high
Score: 0.587 • Rank: 25/63



VULNERABILITY (V) - high
Score: 0.457 • Rank: 20/63



COPING CAPACITY (CC) - high
Score: 0.491 • Rank: 25/63



Population (2017)
2,385,356



Population in Poverty
3.9%



Illiterate population
9.5%



Access to improved water
82.6%



Average life expectancy
73.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 25 / 63 PROVINCES
SCORE: 0.587

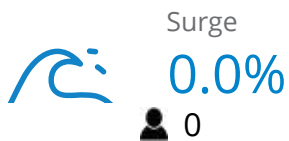
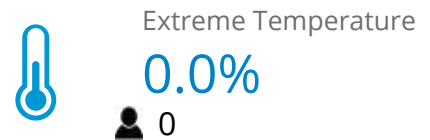
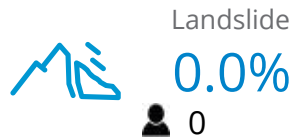
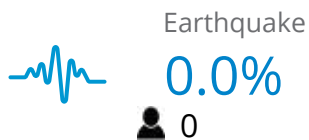
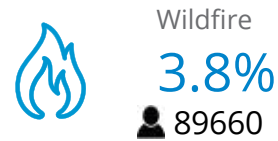


MHE
0.587

Raw MHE
0.726

Relative MHE
0.541

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

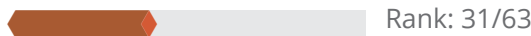
RANK: 20 / 63 PROVINCES

SCORE: 0.457

Vulnerability in An Giang is primarily driven by Gender Inequality and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



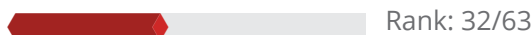
Environmental Stress



-1.7% Forest Change
26.85 Livestock Density (per sq km)



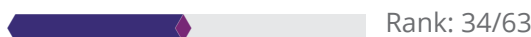
Vulnerable Health Status



73.4 Life Expectancy (years)
14.4 Infant Mortality Rate (per 1,000 live births)
6.2% Acute Malnutrition (Children <5)
122.3 Tuberculosis Incidence (per 100,000 persons)
0.79 Malaria Prevalance (per 100,000 persons)
243.1 HIV Prevalance (per 100,000 persons)



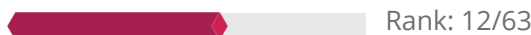
Clean Water Vulnerability



82.6% Households with Safe Water Access
77.6% Households with Hygienic Toilet Access



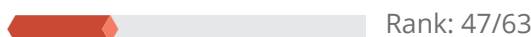
Information Access Vulnerability



9.5% Adult Illiteracy Rate
80.5% School Attendance Rate
87.0% Households without Internet
7.0% Housholds without TV



Economic Constraints



43.8 Economic Dependency Ratio
3.9% Poverty



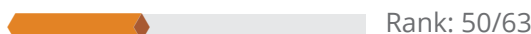
Gender Inequality



0.25 Income Inequality*
0.29 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.2% Average Annual Population Change
2.1% Average Annual Urban Population Change
9.6% Net Migration Rate



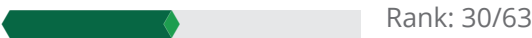
COPING CAPACITY (CC)

RANK: 25 / 63 PROVINCES
SCORE: 0.491

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



Economic Capacity

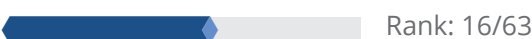


6.88	3,476	34.42	5.99	8.67
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



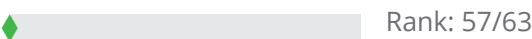
Governance



6.15	5.2	6.92
Law and Order*	Informal Charges*	Transparency*



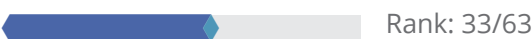
Environmental Capacity



0.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 47/63

97.2%	24.61	4.63	11.6	13.03
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 14/63

3,342	13.75
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 37/63

82.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 35 / 63 PROVINCES
SCORE: 0.517

An Giang's score and ranking are due to high Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Information Access Vulnerability



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

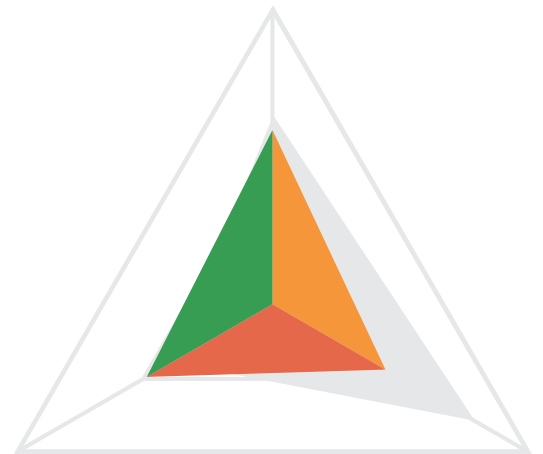
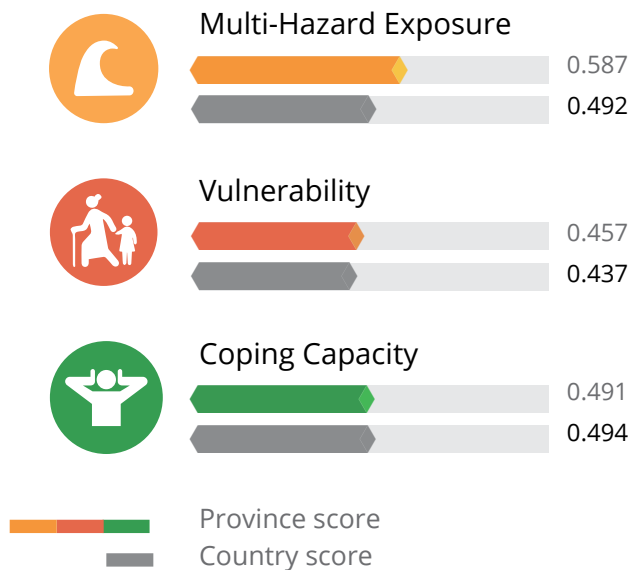
19 / 63

Rank within provinces
Score: 0.518



An Giang's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BA RIA-VUNG TAU

NDPBA PROVINCE PROFILE

VIỆT NAM BA RIA-VUNG TAU

CAPITAL: BÀ RỊA

Area: 2,004 km²

Ba Ria - Vung Tau province is located on the coast of Viet Nam's southeast region, including Con Dao islands. The provincial economic activities are mostly industrial including petroleum, electricity, petrochemicals, steel and cement production and followed by tourism, commerce and fishing. Vung Tau is one of the country's tourist destinations for its popular beaches and numerous newly-built resorts.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.342 • Rank: 62/63



RESILIENCE (R) - very high
Score: 0.602 • Rank: 10/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.229 • Rank: 60/63



VULNERABILITY (V) - very low
Score: 0.346 • Rank: 57/63



COPING CAPACITY (CC) - high
Score: 0.551 • Rank: 14/63



Population (2017)
1,107,517



Population in Poverty
0.7%



Illiterate population
3.2%



Access to improved water
99.0%



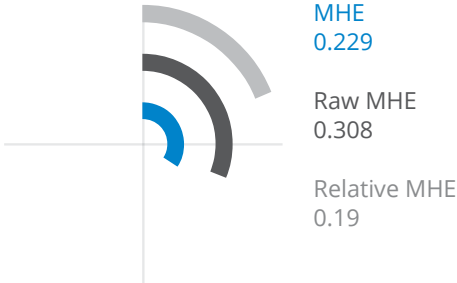
Average life expectancy
76.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 60 / 63 PROVINCES
SCORE: 0.229



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:

Typhoon Wind
100.0%
1105406

Flood
0.0%
0

Wildfire
12.5%
138036

Earthquake
0.0%
0

Landslide
0.0%
0

Extreme Temperature
0.0%
0

Surge
0.0%
10



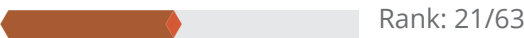
VULNERABILITY (V)

RANK: 57 / 63 PROVINCES
SCORE: 0.346

Vulnerability in Ba Ria-Vung Tau is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



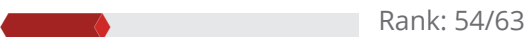
Environmental Stress



-1.4% Forest Change
53.6 Livestock Density (per sq km)



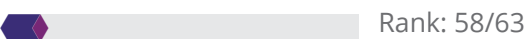
Vulnerable Health Status



76.1 Life Expectancy (years)
8.1 Infant Mortality Rate (per 1,000 live births)
5.6% Acute Malnutrition (Children <5)
71.2 Tuberculosis Incidence (per 100,000 persons)
22.37 Malaria Prevalance (per 100,000 persons)
449.9 HIV Prevalance (per 100,000 persons)



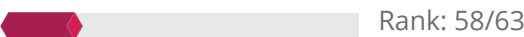
Clean Water Vulnerability



99.0% Households with Safe Water Access
96.7% Households with Hygienic Toilet Access



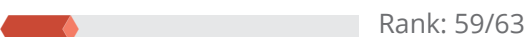
Information Access Vulnerability



3.2% Adult Illiteracy Rate
93.9% School Attendance Rate
73.0% Households without Internet
4.0% Housholds without TV



Economic Constraints



41.2 Economic Dependency Ratio
0.7% Poverty



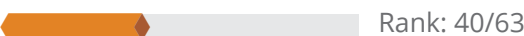
Gender Inequality



0.3 Income Inequality*
0.36 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.5% Average Annual Population Change
2.6% Average Annual Urban Population Change
0.7% Net Migration Rate



COPING CAPACITY (CC)

RANK: 14 / 63 PROVINCES
SCORE: 0.551

Ba Ria-Vung Tau exhibits weaker Coping Capacity in the areas of Health Care Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

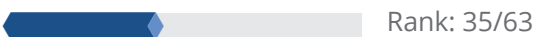


6.42	5,478	44.04	7.08	8.19
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



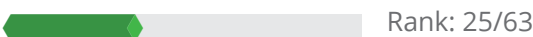
Governance



5.55	5.04	6.36
Law and Order*	Informal Charges*	Transparency*



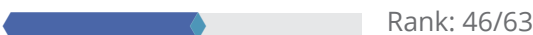
Environmental Capacity



10.3%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 63/63

92.6%	18.07	4.18	10.31	18.59
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 5/63

6,224	22.35
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 4/63

92.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 10 / 63 PROVINCES
SCORE: 0.602

Ba Ria-Vung Tau's score and ranking are due to very low Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Health Care Capacity



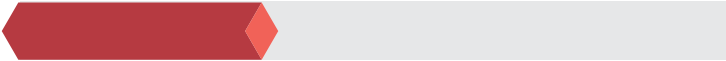
Governance



MULTI-HAZARD RISK

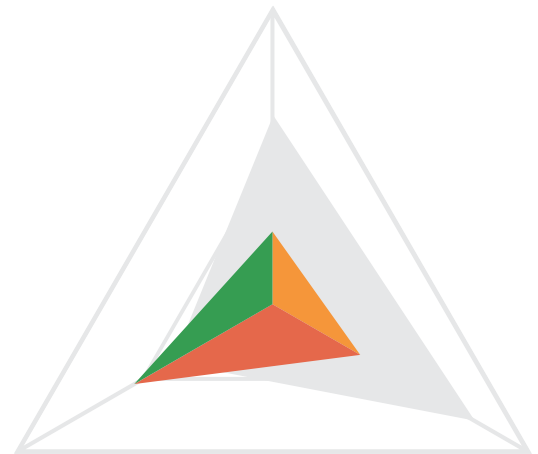
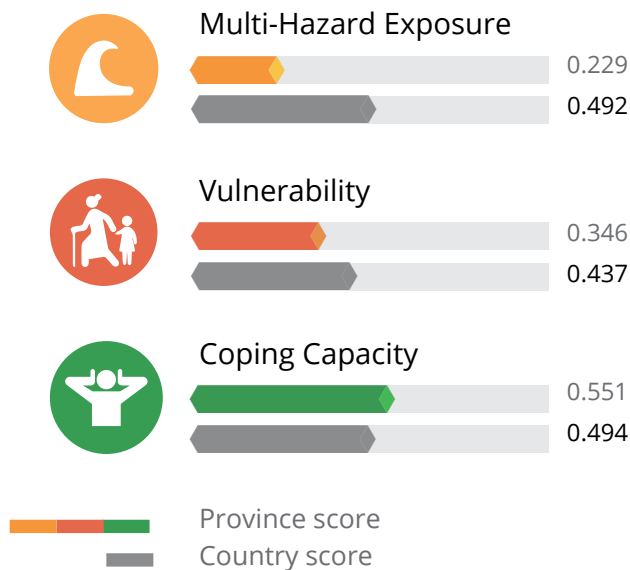
62 / 63

Rank within provinces
Score: 0.342



Ba Ria-Vung Tau's score and ranking are due to very low Multi-hazard exposure combined with very low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BAC GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM

BAC GIANG

CAPITAL: BẮC GIANG

Area: 4,508 km²

Bac Giang province is located in the northeast region of Viet Nam as the transition zone between the mountainous region in the North and the Red River Delta in the South. The province's land area is primarily dedicated to agriculture and forestry and Bac Giang is known as a large producer of pineapples and lychees. Being the home to 20 ethnic groups, this province also preserves the special cultural and historical traditions.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.452 • Rank: 43/63



RESILIENCE (R) - moderate
Score: 0.534 • Rank: 30/63



MULTI-HAZARD EXPOSURE - low
Score: 0.424 • Rank: 45/63



VULNERABILITY (V) - moderate
Score: 0.409 • Rank: 36/63



COPING CAPACITY (CC) - moderate
Score: 0.478 • Rank: 34/63



Population (2017)
1,667,141



Population in Poverty
7.9%



Illiterate population
2.3%



Access to improved water
94.9%



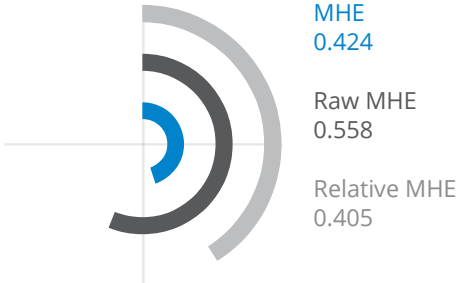
Average life expectancy
73.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 45 / 63 PROVINCES
SCORE: 0.424



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:

Typhoon Wind
12.7%
211242

Flood
37.1%
619096

Wildfire
0.8%
13474

Earthquake
0.0%
0

Landslide
0.0%
0

Extreme Temperature
100.0%
1667141

Surge
0.0%
0



VULNERABILITY (V)

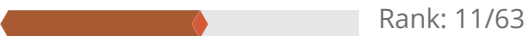
RANK: 36 / 63 PROVINCES

SCORE: 0.409

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



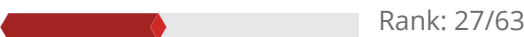
Environmental Stress



3.5% Forest Change
112.39 Livestock Density (per sq km)



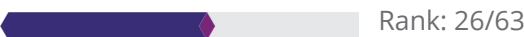
Vulnerable Health Status



73.1 Life Expectancy (years)
15.3 Infant Mortality Rate (per 1,000 live births)
7.8% Acute Malnutrition (Children <5)
43.8 Tuberculosis Incidence (per 100,000 persons)
5.85 Malaria Prevalance (per 100,000 persons)
137.5 HIV Prevalance (per 100,000 persons)



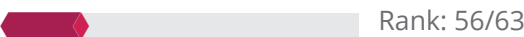
Clean Water Vulnerability



94.9% Households with Safe Water Access
46.7% Households with Hygienic Toilet Access



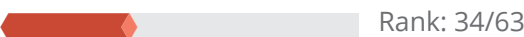
Information Access Vulnerability



2.3% Adult Illiteracy Rate
98.2% School Attendance Rate
87.0% Households without Internet
3.0% Housholds without TV



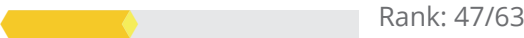
Economic Constraints



44.3 Economic Dependency Ratio
7.9% Poverty



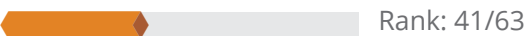
Gender Inequality



0.02 Income Inequality*
0.36 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
3.5% Average Annual Urban Population Change
1.1% Net Migration Rate



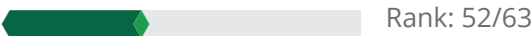
COPING CAPACITY (CC)

RANK: 34 / 63 PROVINCES
SCORE: 0.478

Bac Giang exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

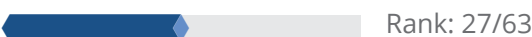


5.7	4,486	12.02	6.06	7.82
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



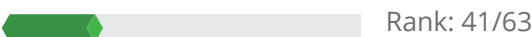
Governance



6.1	5.51	6.73
Law and Order*	Informal Charges*	Transparency*



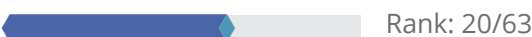
Environmental Capacity



4.8%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 18/63

99.6%	27.4	7.69	11.45	12.98
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 43/63

1,846	42.62
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 17/63

87.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 30 / 63 PROVINCES
SCORE: 0.534

Bac Giang's score and ranking are due to moderate Vulnerability combined with moderate Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Environmental
Stress



Economic Capacity



Governance



MULTI-HAZARD RISK

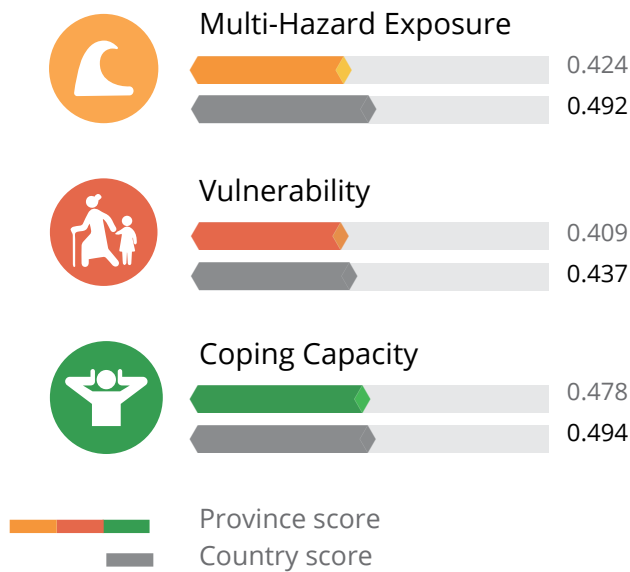
43 / 63

Rank within provinces
Score: 0.452



Bac Giang's score and ranking are due to low Multi-hazard exposure combined with moderate Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

BAC KAN

NDPBA PROVINCE PROFILE

VIỆT NAM BAC KAN

CAPITAL: BẮC KẠN

Area: 5,699 km²

Located in northeastern Viet Nam, Bac Kan is a mountainous province with about 95% forest cover and rich mineral resources. One of the least populated provinces in Viet Nam, the province is the home of Kinh, Tay, Nung, and Dao people. Bac Kan's economy centers on mining, forest products, agriculture, and some degree of tourism offered by its mountains, lakes and the Ba Be national park.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.396 • Rank: 55/63



RESILIENCE (R) - low
Score: 0.48 • Rank: 51/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.149 • Rank: 62/63



VULNERABILITY (V) - high
Score: 0.468 • Rank: 16/63



COPING CAPACITY (CC) - very low
Score: 0.429 • Rank: 52/63



Population (2017)
320,597



Population in Poverty
17.1%



Illiterate population
6.1%



Access to improved water
45.8%



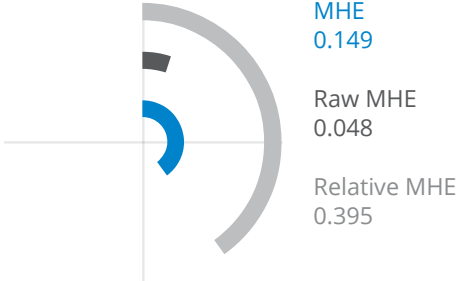
Average life expectancy
72.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 62 / 63 PROVINCES
SCORE: 0.149



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
9.4%
30199



Wildfire
0.3%
839



Earthquake
0.0%
0



Landslide
38.0%
121897



Extreme Temperature
100.0%
320597



Surge
0.0%
0



VULNERABILITY (V)

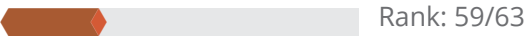
RANK: 16 / 63 PROVINCES

SCORE: 0.468

Vulnerability in Bac Kan is primarily driven by Clean Water Access Vulnerability and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



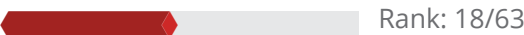
Environmental Stress



5.0% Forest Change
20.6 Livestock Density (per sq km)



Vulnerable Health Status



72.1 Life Expectancy (years)
17.6 Infant Mortality Rate (per 1,000 live births)
7.0% Acute Malnutrition (Children <5)
20.5 Tuberculosis Incidence (per 100,000 persons)
7.81 Malaria Prevalance (per 100,000 persons)
454.3 HIV Prevalance (per 100,000 persons)



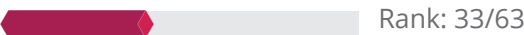
Clean Water Vulnerability



45.8% Households with Safe Water Access
40.4% Households with Hygienic Toilet Access



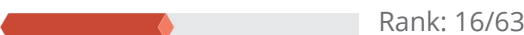
Information Access Vulnerability



6.1% Adult Illiteracy Rate
99.9% School Attendance Rate
88.0% Households without Internet
9.0% Housholds without TV



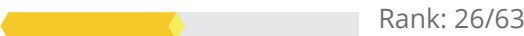
Economic Constraints



40.9 Economic Dependency Ratio
17.1% Poverty



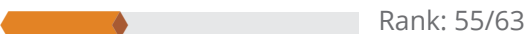
Gender Inequality



0.21 Income Inequality*
0.17 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
3.3% Average Annual Urban Population Change
0.3% Net Migration Rate



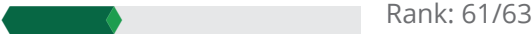
COPING CAPACITY (CC)

RANK: 52 / 63 PROVINCES
SCORE: 0.429

Bac Kan exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



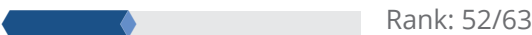
Rank: 61/63

4.83	4,929	12.9	6.32	6.25
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

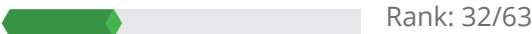


Rank: 52/63

6.06	4.28	6.65
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 32/63

7.2%
Protected Area



Infrastructure Capacity



Rank: 8/63



Health Care Capacity Rank: 2/63

97.2%	37.81	12.72	19.88	12.37
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 47/63

1,356	38.74
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 33/63

83.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 51 / 63 PROVINCES
SCORE: 0.48

Bac Kan's score and ranking are due to high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Gender Inequality



Economic Capacity



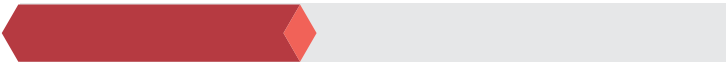
Governance



MULTI-HAZARD RISK

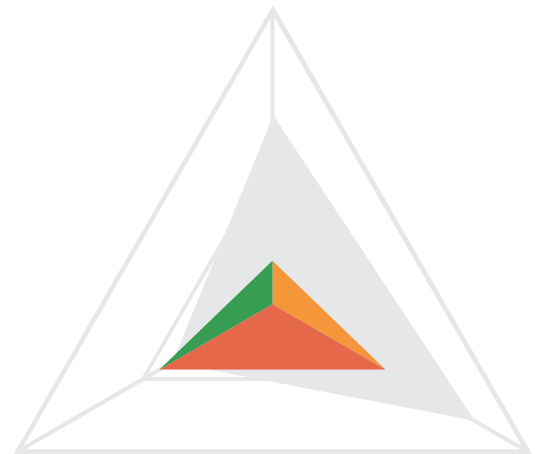
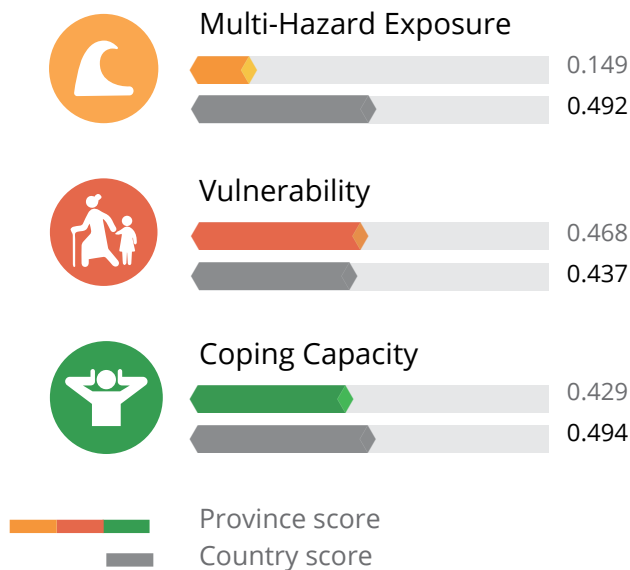
55 / 63

Rank within provinces
Score: 0.396



Bac Kan's score and ranking are due to very low Multi-hazard exposure combined with high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

BAC LIEU

NDPBA PROVINCE PROFILE

VIỆT NAM BAC LIEU

CAPITAL: BẠC LIÊU

Area: 2,544 km²

Bac Lieu is a coastal province located in the southern part of the Mekong Delta with mostly lowland terrain and many large irrigated canals. Prominent provincial economic activities include rice farming, fishing, food processing, and clothing manufacturing. Viet Nam's largest wind power farm is recently built off shore of the Bac Lieu province, which has also become an tourism attraction. Bac Lieu is home to many ethnic Khmer people, the province is well known for its traditional folk music of Vong Co.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.424 • Rank: 50/63



RESILIENCE (R) - high
Score: 0.538 • Rank: 27/63



MULTI-HAZARD EXPOSURE - low
Score: 0.349 • Rank: 48/63



VULNERABILITY (V) - low
Score: 0.4 • Rank: 44/63



COPING CAPACITY (CC) - moderate
Score: 0.476 • Rank: 35/63



Population (2017)
948,284



Population in Poverty
8.4%



Illiterate population
5.9%



Access to improved water
99.7%



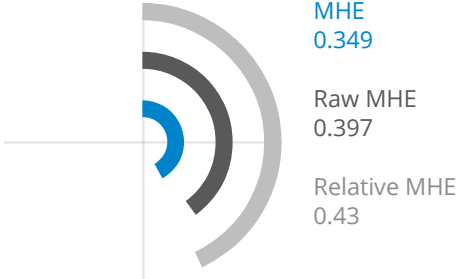
Average life expectancy
74.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 48 / 63 PROVINCES
SCORE: 0.349



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
948284



Flood
55.6%
527256



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



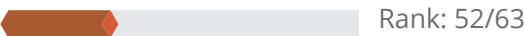
VULNERABILITY (V)

RANK: 44 / 63 PROVINCES
SCORE: 0.4

Vulnerability in Bac Lieu is primarily driven by Gender Inequality and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



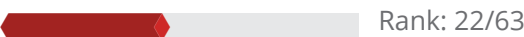
Environmental Stress



3.0% Forest Change
21.58 Livestock Density (per sq km)



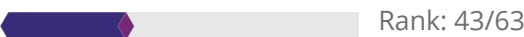
Vulnerable Health Status



74.3 Life Expectancy (years)
12.1 Infant Mortality Rate (per 1,000 live births)
9.3% Acute Malnutrition (Children <5)
73.7 Tuberculosis Incidence (per 100,000 persons)
2.74 Malaria Prevalance (per 100,000 persons)
273.1 HIV Prevalance (per 100,000 persons)



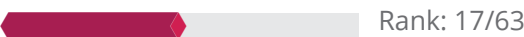
Clean Water Vulnerability



99.7% Households with Safe Water Access
54.0% Households with Hygienic Toilet Access



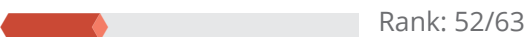
Information Access Vulnerability



5.9% Adult Illiteracy Rate
82.3% School Attendance Rate
91.0% Households without Internet
3.0% Housholds without TV



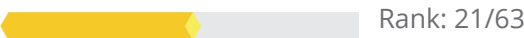
Economic Constraints



38.2 Economic Dependency Ratio
8.4% Poverty



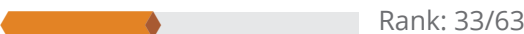
Gender Inequality



0.25 Income Inequality*
0.16 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
1.2% Average Annual Urban Population Change
6.3% Net Migration Rate



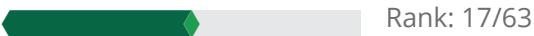
COPING CAPACITY (CC)

RANK: 35 / 63 PROVINCES
SCORE: 0.476

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



Economic Capacity



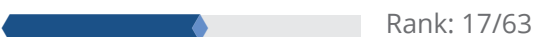
Rank: 17/63

6.7	4,002	41.85	5.77	8.58
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

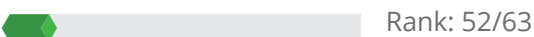


Rank: 17/63

5.68	6.38	6.47
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

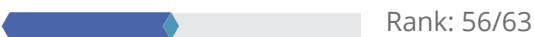


Rank: 52/63

1.0%
Protected Area



Infrastructure Capacity



Rank: 56/63



Health Care Capacity Rank: 50/63

95.1%	23.1	6.12	11.58	10.32
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 38/63

1,805	33.91
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 58/63

72.2%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 27 / 63 PROVINCES
SCORE: 0.538

Bac Lieu's score and ranking are due to low Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Information Access Vulnerability



Communications Capacity



Health Care Capacity



MULTI-HAZARD RISK

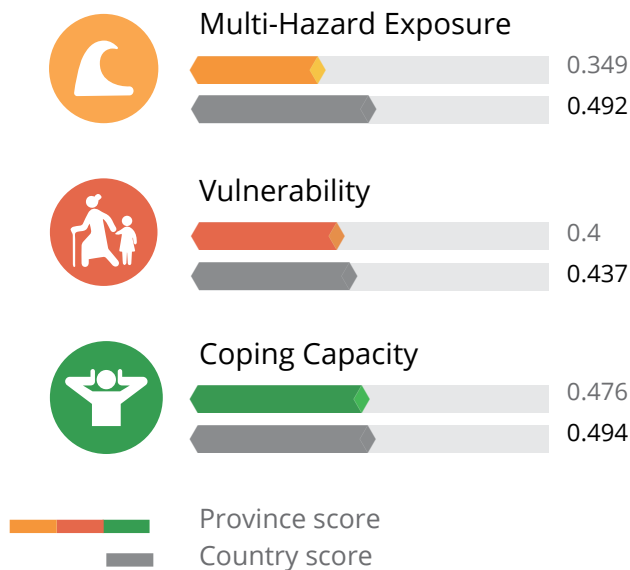
50 / 63

Rank within provinces
Score: 0.424



Bac Lieu's score and ranking are due to low Multi-hazard exposure combined with low Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

BAC NINH

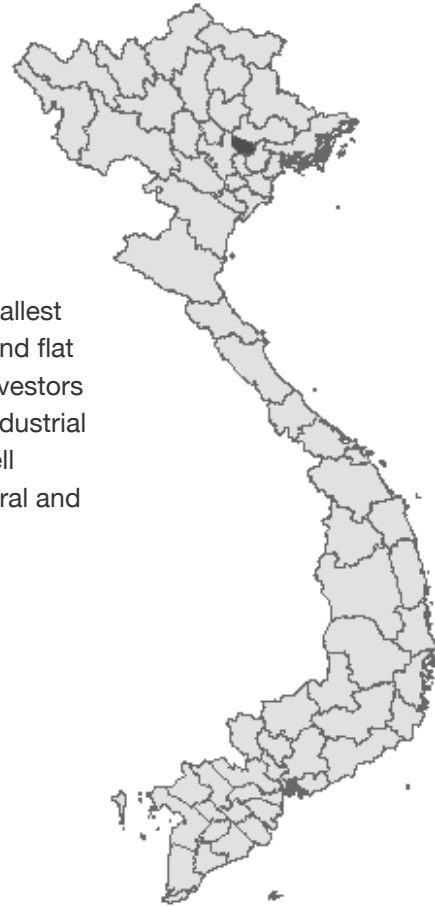
NDPBA PROVINCE PROFILE

VIỆT NAM BAC NINH

CAPITAL: BẮC NINH

Area: 949 km²

Neighboring Hanoi Capital to the east, Bac Ninh is one of the smallest but most industrialized provinces in Viet Nam. With rather even and flat terrain, the province attracted large amounts of manufacturing investors including Canon, Samsung, Foxconn, and Nokia. With over 15 industrial parks, agricultural land is rapidly decreasing. Bac Ninh is also well known by being the home of Quan Ho folk music and other cultural and historical values.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.469 • Rank: 35/63



RESILIENCE (R) - moderate
Score: 0.535 • Rank: 29/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.476 • Rank: 37/63



VULNERABILITY (V) - moderate
Score: 0.428 • Rank: 32/63



COPING CAPACITY (CC) - high
Score: 0.498 • Rank: 22/63



Population (2017)
1,068,880



Population in Poverty
2.1%



Illiterate population
2.5%



Access to improved water
99.1%



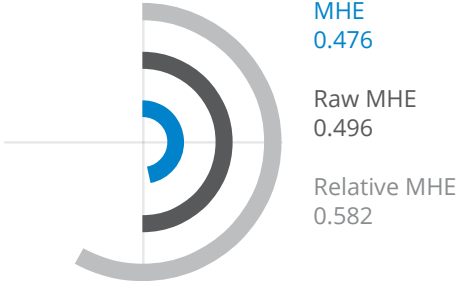
Average life expectancy
74.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 37 / 63 PROVINCES
SCORE: 0.476



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
15.5%
166161



Flood
75.4%
805836



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1068880



Surge
0.0%
0



VULNERABILITY (V)

RANK: 32 / 63 PROVINCES
SCORE: 0.428

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



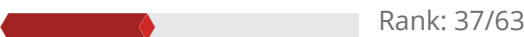
Environmental Stress



0.0% Forest Change
151.99 Livestock Density (per sq km)



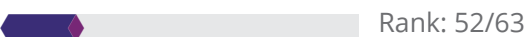
Vulnerable Health Status



74 Life Expectancy (years)
12.8 Infant Mortality Rate (per 1,000 live births)
8.4% Acute Malnutrition (Children <5)
20.3 Tuberculosis Incidence (per 100,000 persons)
13.35 Malaria Prevalance (per 100,000 persons)
164.1 HIV Prevalance (per 100,000 persons)



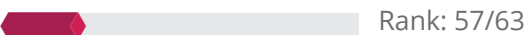
Clean Water Vulnerability



99.1% Households with Safe Water Access
81.1% Households with Hygienic Toilet Access



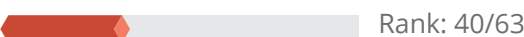
Information Access Vulnerability



2.5% Adult Illiteracy Rate
98.6% School Attendance Rate
77.0% Households without Internet
6.0% Housholds without TV



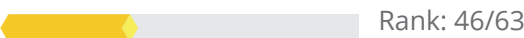
Economic Constraints



49.4 Economic Dependency Ratio
2.1% Poverty



Gender Inequality



0.12 Income Inequality*
0.19 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.7% Average Annual Population Change
10.6% Average Annual Urban Population Change
12.8% Net Migration Rate



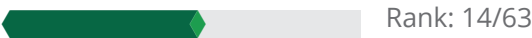
COPING CAPACITY (CC)

RANK: 22 / 63 PROVINCES
SCORE: 0.498

Bac Ninh exhibits weaker Coping Capacity in the areas of Governance and Environmental Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



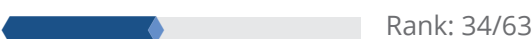
Rank: 14/63

6.65	5,156	29.73	6.86	7.27
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

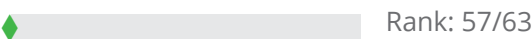


Rank: 34/63

5.39	5.9	5.93
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 57/63

0.0%
Protected Area



Infrastructure Capacity



Rank: 7/63



Health Care Capacity

Rank: 15/63

99.8%	28.01	7.28	9.41	3.62
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 27/63

2,284	16.96
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 9/63

89.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 29 / 63 PROVINCES
SCORE: 0.535

Bac Ninh's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Population Pressures



Environmental Stress



Governance



Environmental Capacity



MULTI-HAZARD RISK

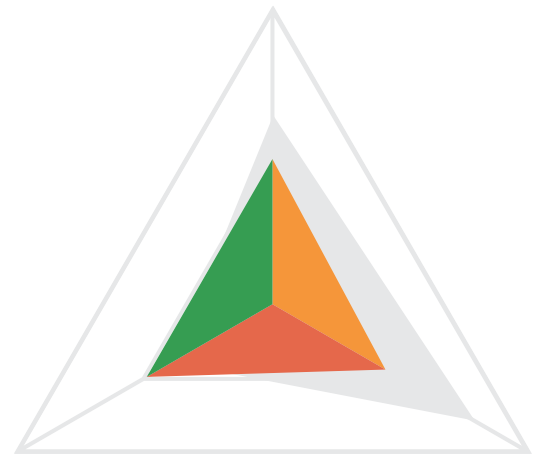
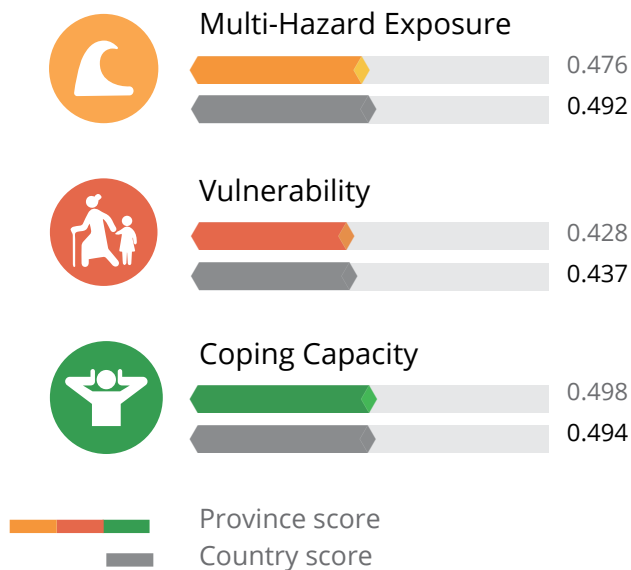
35 / 63

Rank within provinces
Score: 0.469



Bac Ninh's score and ranking are due to moderate Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BEN TRE

NDPBA PROVINCE PROFILE

VIỆT NAM BEN TRE

CAPITAL: BẾN TRE

Area: 2,360 km²

Ben Tre province is located in the eastern part of the Mekong Delta, between the two main branches of Tien Giang river. Possessing a complex network of rivers and canals, Ben Tre has a major advantage for agriculture productions and ecotourism, however is vulnerable to frequent salinization, flooding and sea level rise. The province is also known for being the homeland of coconut farms and products.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.39 • Rank: 57/63



RESILIENCE (R) - high
Score: 0.547 • Rank: 24/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.265 • Rank: 56/63



VULNERABILITY (V) - moderate
Score: 0.437 • Rank: 27/63



COPING CAPACITY (CC) - high
Score: 0.53 • Rank: 19/63



Population (2017)
1,290,699



Population in Poverty
8.6%



Illiterate population
5.4%



Access to improved water
80.0%



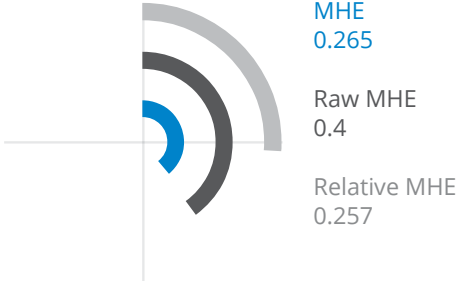
Average life expectancy
75.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 56 / 63 PROVINCES
SCORE: 0.265



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1289426



Flood
15.5%
199894



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



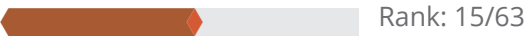
VULNERABILITY (V)

RANK: 27 / 63 PROVINCES
SCORE: 0.437

Vulnerability in Ben Tre is primarily driven by Gender Inequality and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



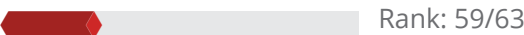
Environmental Stress



1.4% Forest Change
91.57 Livestock Density (per sq km)



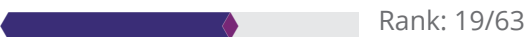
Vulnerable Health Status



75.3 Life Expectancy (years)
9.8 Infant Mortality Rate (per 1,000 live births)
6.0% Acute Malnutrition (Children <5)
63.9 Tuberculosis Incidence (per 100,000 persons)
0.24 Malaria Prevalance (per 100,000 persons)
134.9 HIV Prevalance (per 100,000 persons)



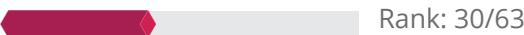
Clean Water Vulnerability



80.0% Households with Safe Water Access
57.5% Households with Hygienic Toilet Access



Information Access Vulnerability



5.4% Adult Illiteracy Rate
91.6% School Attendance Rate
84.0% Households without Internet
6.0% Housholds without TV



Economic Constraints



42.9 Economic Dependency Ratio
8.6% Poverty



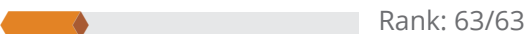
Gender Inequality



0.13 Income Inequality*
0.49 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.1% Average Annual Population Change
1.1% Average Annual Urban Population Change
3.7% Net Migration Rate



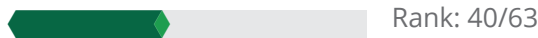
COPING CAPACITY (CC)

RANK: 19 / 63 PROVINCES
SCORE: 0.53

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



Economic Capacity



7.61	3,640	22.28	6.87	7.88
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



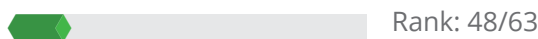
Governance



6.78	6.39	6.21
Law and Order*	Informal Charges*	Transparency*



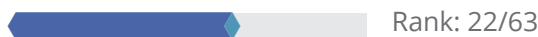
Environmental Capacity



1.5%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 35/63

95.5%	30.58	5.59	11.49	6.82
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 24/63

2,563	13.62
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 11/63

88.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 24 / 63 PROVINCES
SCORE: 0.547

Ben Tre's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Clean Water Access Vulnerability



Economic Capacity



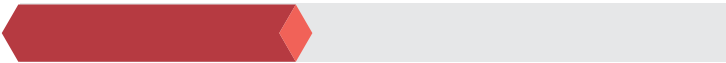
Health Care Capacity



MULTI-HAZARD RISK

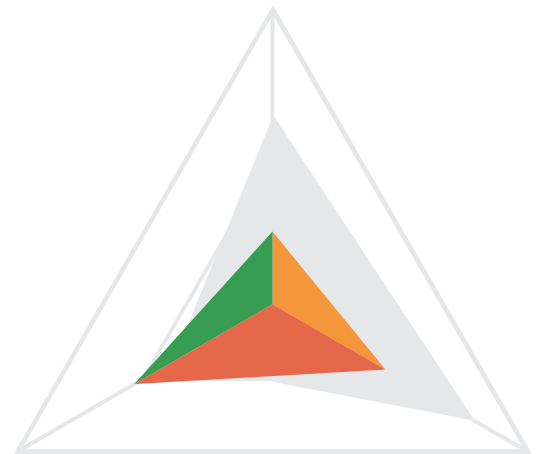
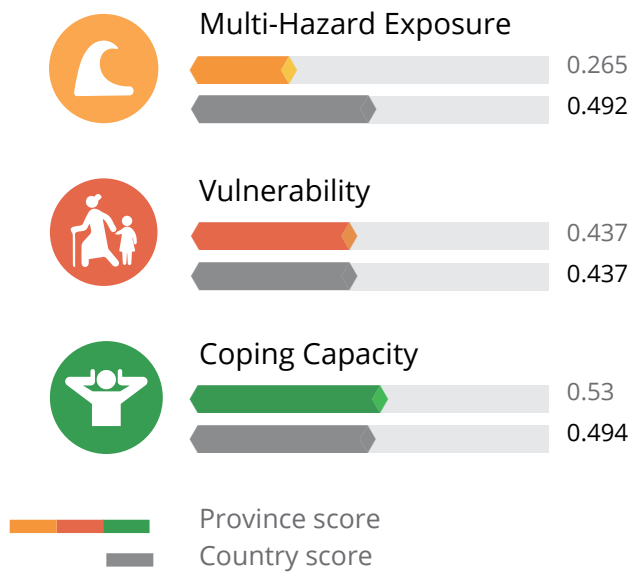
57 / 63

Rank within provinces
Score: 0.39



Ben Tre's score and ranking are due to very low Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BINH DINH

NDPBA PROVINCE PROFILE

VIỆT NAM BINH DINH

CAPITAL: QUI NHƠN

Area: 6,436 km²

Located in the south central coast of Viet Nam, Binh Dinh is characterized by mixed topography: mostly covered by mountains or hills in the west and lowlands near coastal areas. As one of the main gateways to the Central Highlands and its port, the province is the region's third largest industrial center (mainly based on furniture manufacturing) and also has strong agricultural, forestry, livestock, and fishing sectors. Rich in historical heritages, Binh Dinh is known by being the center of the old Cham Culture.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.517 • Rank: 20/63



RESILIENCE (R) - moderate
Score: 0.536 • Rank: 28/63



MULTI-HAZARD EXPOSURE - high
Score: 0.624 • Rank: 19/63



VULNERABILITY (V) - moderate
Score: 0.415 • Rank: 35/63



COPING CAPACITY (CC) - high
Score: 0.487 • Rank: 26/63



Population (2017)
1,572,836



Population in Poverty
9.1%



Illiterate population
3.9%



Access to improved water
96.1%



Average life expectancy
73.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 19 / 63 PROVINCES
SCORE: 0.624

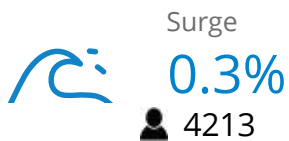
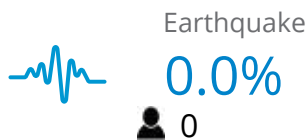
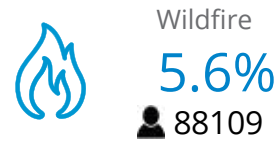
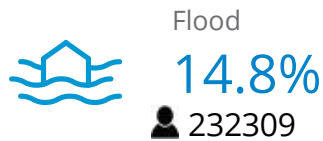


MHE
0.624

Raw MHE
0.651

Relative MHE
0.686

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





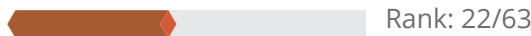
VULNERABILITY (V)

RANK: 35 / 63 PROVINCES
SCORE: 0.415

Vulnerability in Binh Dinh is primarily driven by Gender Inequality and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



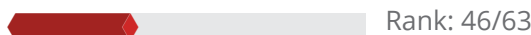
Environmental Stress



2.7% Forest Change
61.27 Livestock Density (per sq km)



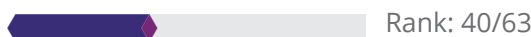
Vulnerable Health Status



73.1 Life Expectancy (years)
15.1 Infant Mortality Rate (per 1,000 live births)
5.0% Acute Malnutrition (Children <5)
39.2 Tuberculosis Incidence (per 100,000 persons)
26.08 Malaria Prevalance (per 100,000 persons)
34.9 HIV Prevalance (per 100,000 persons)



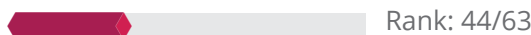
Clean Water Vulnerability



96.1% Households with Safe Water Access
69.7% Households with Hygienic Toilet Access



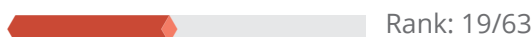
Information Access Vulnerability



3.9% Adult Illiteracy Rate
96.3% School Attendance Rate
86.0% Households without Internet
5.0% Housholds without TV



Economic Constraints



49.2 Economic Dependency Ratio
9.1% Poverty



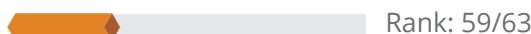
Gender Inequality



0.26 Income Inequality*
0.3 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
2.2% Average Annual Urban Population Change
1.1% Net Migration Rate



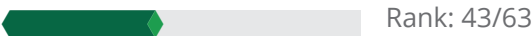
COPING CAPACITY (CC)

RANK: 26 / 63 PROVINCES
SCORE: 0.487

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



Economic Capacity



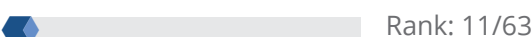
Rank: 43/63

6.48	4,261	30.14	5.82	7.75
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

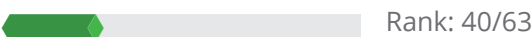


Rank: 11/63

6.31	6.46	6.67
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

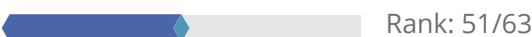


Rank: 40/63

4.9%
Protected Area



Infrastructure Capacity



Rank: 51/63



Health Care Capacity

Rank: 31/63

99.6%	22.45	5.17	14.02	18.2
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 59/63

4,140	160.2
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 34/63

83.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 28 / 63 PROVINCES
SCORE: 0.536

Binh Dinh's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Economic Constraints



Transportation Capacity



Economic Capacity



MULTI-HAZARD RISK

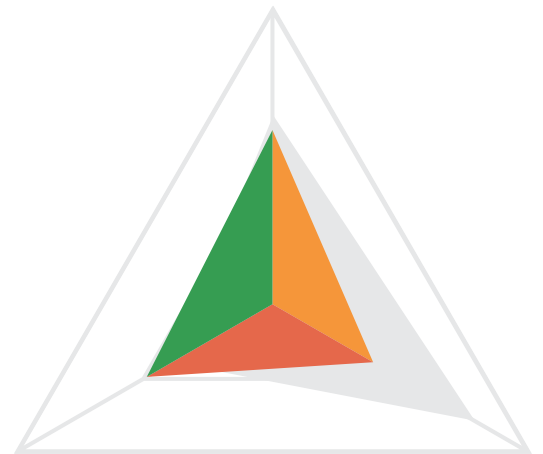
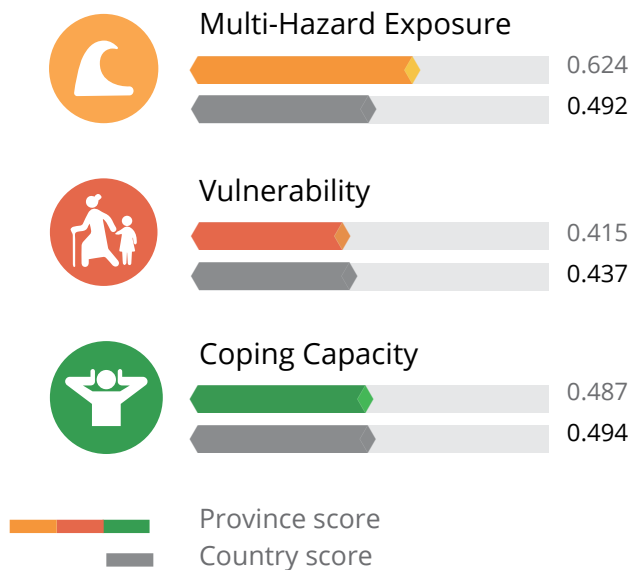
20 / 63

Rank within provinces
Score: 0.517



Binh Dinh's score and ranking are due to high Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BINH DUONG

NDPBA PROVINCE PROFILE

VIỆT NAM BINH DUONG

CAPITAL: THỦ DẦU MỘT

Area: 2,806 km²

Neighboring Ho Chi Minh City to the north, Binh Duong is now the largest hub of industrial manufacturing in southern Viet Nam with 28 industrial parks. The plain terrain comprised with bazon and alluvial deposits and with a network of rivers and canals makes the province a good for industrial crop plantation and its products. Binh Duong is also known as land of new opportunities, attracting an influx of young and capable people from other provinces.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.479 • Rank: 30/63



RESILIENCE (R) - very high
Score: 0.6 • Rank: 12/63



MULTI-HAZARD EXPOSURE - high
Score: 0.636 • Rank: 14/63



VULNERABILITY (V) - low
Score: 0.387 • Rank: 48/63



COPING CAPACITY (CC) - very high
Score: 0.587 • Rank: 8/63



Population (2017)
2,290,486



Population in Poverty
0.0%



Illiterate population
2.7%



Access to improved water
99.8%



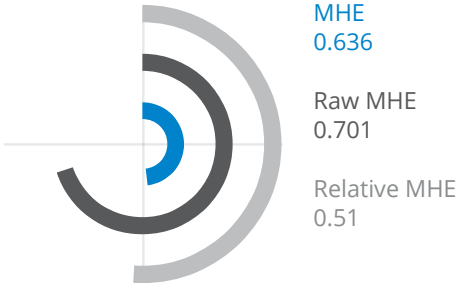
Average life expectancy
75.70 years

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



MULTI-HAZARD EXPOSURE

RANK: 14 / 63 PROVINCES
SCORE: 0.636



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
2290486



Flood
10.0%
229511



Wildfire
29.7%
680308



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
64.1%
1467831



Surge
0.0%
0



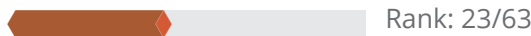
VULNERABILITY (V)

RANK: 48 / 63 PROVINCES
SCORE: 0.387

Vulnerability in Binh Duong is primarily driven by Population Pressures and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



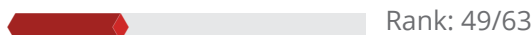
Environmental Stress



1.8% Forest Change
52.1 Livestock Density (per sq km)



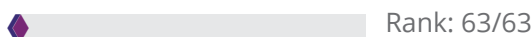
Vulnerable Health Status



75.7 Life Expectancy (years)
9 Infant Mortality Rate (per 1,000 live births)
7.6% Acute Malnutrition (Children <5)
61.4 Tuberculosis Incidence (per 100,000 persons)
4.4 Malaria Prevalance (per 100,000 persons)
150.9 HIV Prevalance (per 100,000 persons)



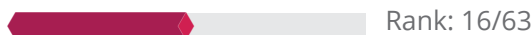
Clean Water Vulnerability



99.8% Households with Safe Water Access
98.7% Households with Hygienic Toilet Access



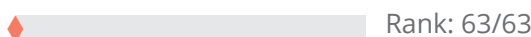
Information Access Vulnerability



2.7% Adult Illiteracy Rate
83.7% School Attendance Rate
85.0% Households without Internet
12.0% Housholds without TV



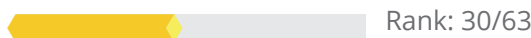
Economic Constraints



30.3 Economic Dependency Ratio
0.0% Poverty



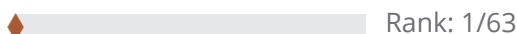
Gender Inequality



0.07 Income Inequality*
0.38 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



7.4% Average Annual Population Change
34.5% Average Annual Urban Population Change
42.0% Net Migration Rate



COPING CAPACITY (CC)

RANK: 8 / 63 PROVINCES
SCORE: 0.587

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



Economic Capacity

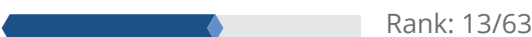


7.45	5,364	54.64	6.69	7.66
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



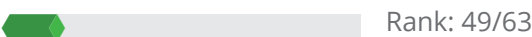
Governance



6.39	5.38	6.52
Law and Order*	Informal Charges*	Transparency*



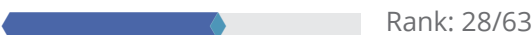
Environmental Capacity



1.5%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 60/63

98.3%	17.77	3.69	7.02	14.06
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 4/63

6,560	19.94
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 2/63

93.0%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 12 / 63 PROVINCES
SCORE: 0.6

Binh Duong's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Information Access Vulnerability



Health Care Capacity



Environmental Capacity



MULTI-HAZARD RISK

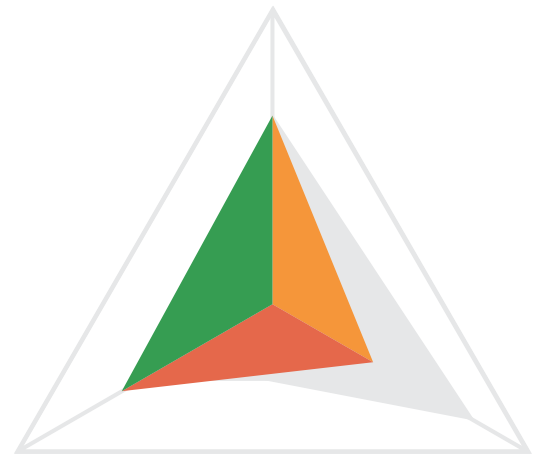
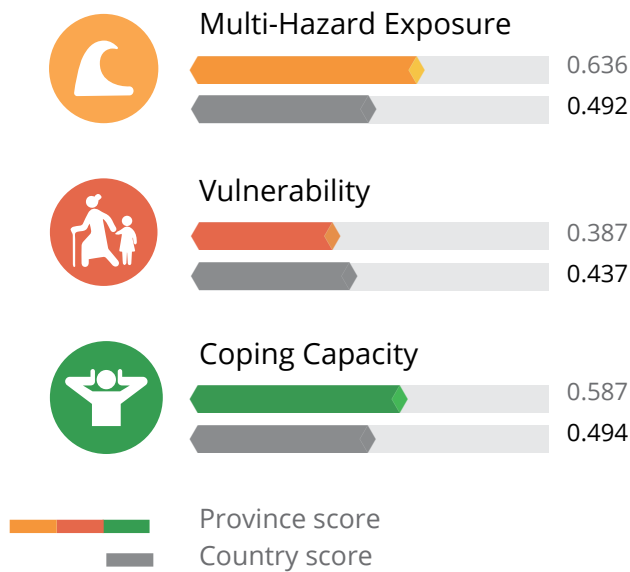
30 / 63

Rank within provinces
Score: 0.479



Binh Duong's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

BINH PHUOC

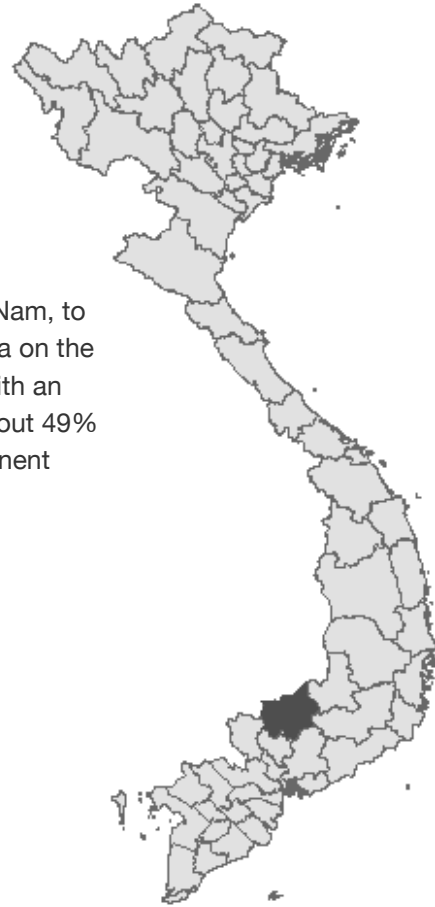
NDPBA PROVINCE PROFILE

VIỆT NAM BINH PHUOC

CAPITAL: ĐỒNG XOÀI

Area: 7,236 km²

Binh Phuoc is a province located in the southeast region of Viet Nam, to the north of Ho Chi Minh City and shares a border with Cambodia on the north and northwest. The terrain in Binh Phuoc is relatively flat with an elevation of between 50 and 200 meters and forests covering about 49% of total land. A predominantly rural province, Binh Phuoc's prominent products are cashew nuts and rubber and food processing.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.527 • Rank: 17/63



RESILIENCE (R) - moderate
Score: 0.518 • Rank: 34/63



MULTI-HAZARD EXPOSURE - high
Score: 0.616 • Rank: 20/63



VULNERABILITY (V) - low
Score: 0.401 • Rank: 43/63



COPING CAPACITY (CC) - low
Score: 0.437 • Rank: 46/63



Population (2017)
1,003,114



Population in Poverty
6.0%



Illiterate population
6.6%



Access to improved water
90.8%



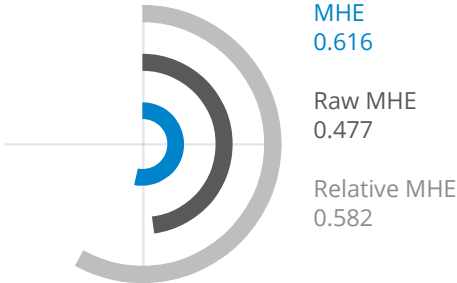
Average life expectancy
73.50 years

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



MULTI-HAZARD EXPOSURE

RANK: 20 / 63 PROVINCES
SCORE: 0.616



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1003008



Flood
2.6%
26504



Wildfire
52.5%
526647



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
88.3%
885565



Surge
0.0%
0



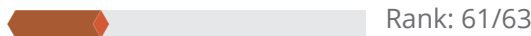
VULNERABILITY (V)

RANK: 43 / 63 PROVINCES
SCORE: 0.401

Vulnerability in Binh Phuoc is primarily driven by Population Pressures and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



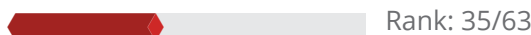
Environmental Stress



2.9% Forest Change
12.6 Livestock Density (per sq km)



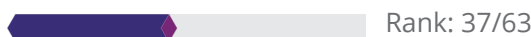
Vulnerable Health Status



73.5 Life Expectancy (years)
14 Infant Mortality Rate (per 1,000 live births)
6.0% Acute Malnutrition (Children <5)
48.4 Tuberculosis Incidence (per 100,000 persons)
170.49 Malaria Prevalance (per 100,000 persons)
186.7 HIV Prevalance (per 100,000 persons)



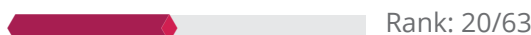
Clean Water Vulnerability



90.8% Households with Safe Water Access
73.7% Households with Hygienic Toilet Access



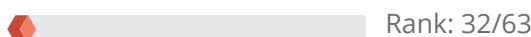
Information Access Vulnerability



6.6% Adult Illiteracy Rate
87.8% School Attendance Rate
84.0% Households without Internet
6.0% Housholds without TV



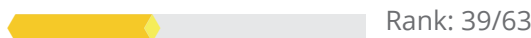
Economic Constraints



47 Economic Dependency Ratio
6.0% Poverty



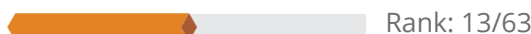
Gender Inequality



0.08 Income Inequality*
0.3 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.8% Average Annual Population Change
6.2% Average Annual Urban Population Change
0.5% Net Migration Rate



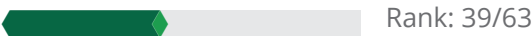
COPING CAPACITY (CC)

RANK: 46 / 63 PROVINCES
SCORE: 0.437

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



Economic Capacity

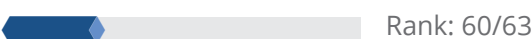


5.76	4,403	31.52	5.51	7.95
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



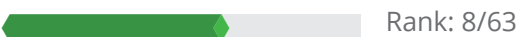
Governance



4.02	4.95	6.36
Law and Order*	Informal Charges*	Transparency*



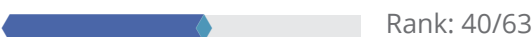
Environmental Capacity



29.7%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 56/63

93.7%	28.15	4.26	11.92	12.22
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 26/63

4,330	53.52
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 8/63

90.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 34 / 63 PROVINCES
SCORE: 0.518

Binh Phuoc's score and ranking are due to low Vulnerability combined with low Coping Capacity scores.

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



Population Pressures



Information Access Vulnerability



Governance



Health Care Capacity



MULTI-HAZARD RISK

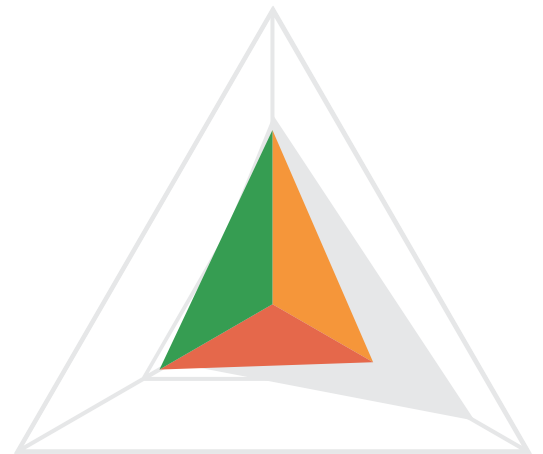
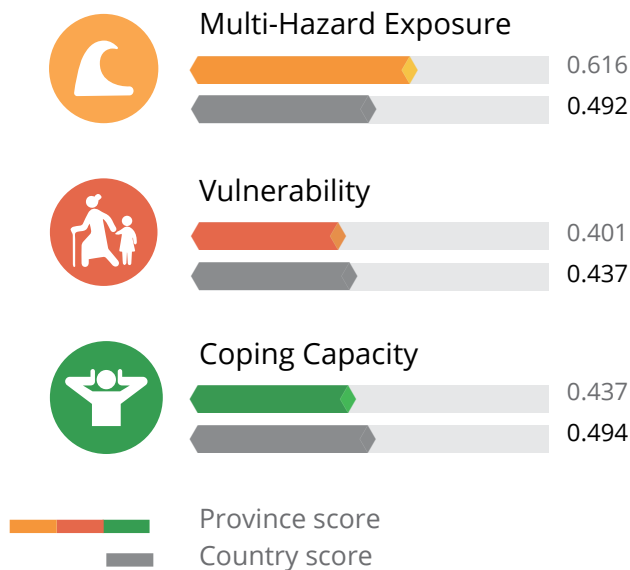
17 / 63

Rank within provinces
Score: 0.527



Binh Phuoc's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

BINH THUAN

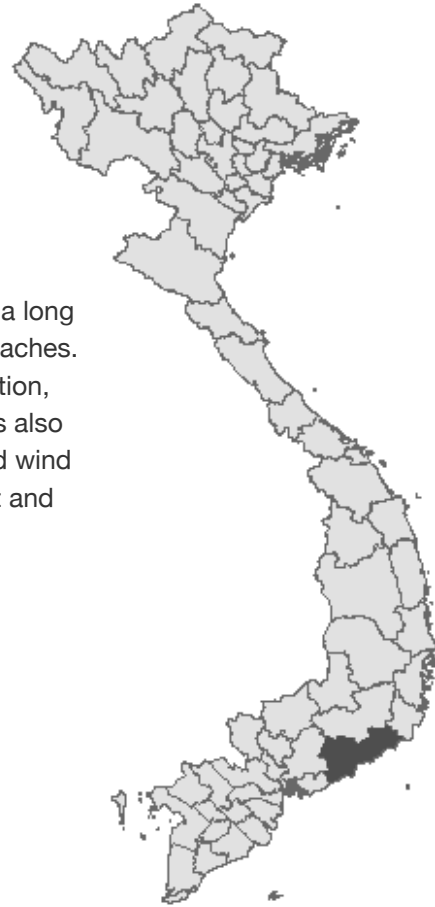
NDPBA PROVINCE PROFILE

VIỆT NAM BINH THUAN

CAPITAL: PHAN THIẾT

Area: 8,296 km²

Located on the Viet Nam's South Central Coast, Binh Thuan has a long coastline of over 192km and is well known for its scenery and beaches. The province's economy is mostly based on tourism, salt production, fishing and agricultural cultivation and its products. Binh Thuan is also known for titanium reserves and significant potential for solar and wind power generation. The province is vulnerable to frequent drought and strong seasonal sea waves.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.463 • Rank: 39/63



RESILIENCE (R) - high
Score: 0.539 • Rank: 26/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.466 • Rank: 38/63



VULNERABILITY (V) - low
Score: 0.409 • Rank: 37/63



COPING CAPACITY (CC) - moderate
Score: 0.487 • Rank: 27/63



Population (2017)
1,228,312



Population in Poverty
3.8%



Illiterate population
6.7%



Access to improved water
96.0%



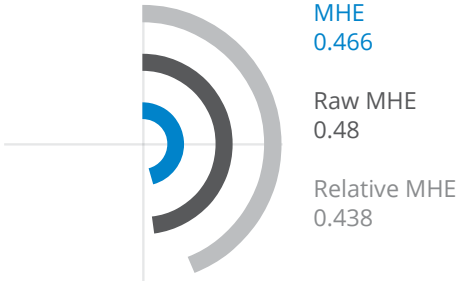
Average life expectancy
74.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 38 / 63 PROVINCES
SCORE: 0.466



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1220713



Flood
12.7%
155924



Wildfire
22.6%
277536



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
45.5%
558359



Surge
0.0%
0



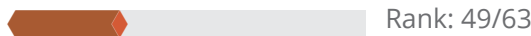
VULNERABILITY (V)

RANK: 37 / 63 PROVINCES
SCORE: 0.409

Vulnerability in Binh Thuan is primarily driven by Gender Inequality and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



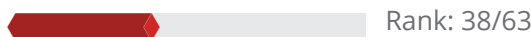
Environmental Stress



2.7% Forest Change
21.92 Livestock Density (per sq km)



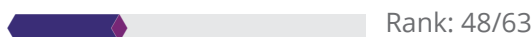
Vulnerable Health Status



74.1 Life Expectancy (years)
12.5 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
121.6 Tuberculosis Incidence (per 100,000 persons)
46.3 Malaria Prevalance (per 100,000 persons)
99.2 HIV Prevalance (per 100,000 persons)



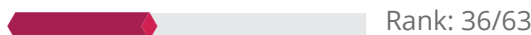
Clean Water Vulnerability



96.0% Households with Safe Water Access
82.5% Households with Hygienic Toilet Access



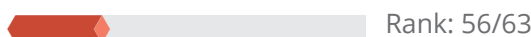
Information Access Vulnerability



6.7% Adult Illiteracy Rate
90.3% School Attendance Rate
84.0% Households without Internet
4.0% Housholds without TV



Economic Constraints



42.4 Economic Dependency Ratio
3.8% Poverty



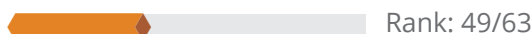
Gender Inequality



0.24 Income Inequality*
0.49 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
1.9% Average Annual Urban Population Change
2.1% Net Migration Rate



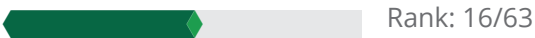
COPING CAPACITY (CC)

RANK: 27 / 63 PROVINCES
SCORE: 0.487

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



Economic Capacity



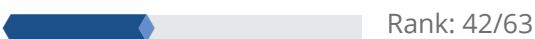
Rank: 16/63

6.22	4,032	29.88	6.95	8.19
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

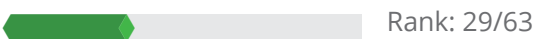


Rank: 42/63

4.82	5.58	6.42
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

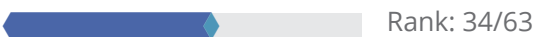


Rank: 29/63

8.9%
Protected Area



Infrastructure Capacity



Rank: 34/63



Health Care Capacity Rank: 46/63

95.3%	30.07	5.13	12.65	14.36
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 23/63

4,044	37.62
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 30/63

84.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 26 / 63 PROVINCES
SCORE: 0.539

Binh Thuan's score and ranking are due to low Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Vulnerable Health Status



Governance



Health Care Capacity



MULTI-HAZARD RISK

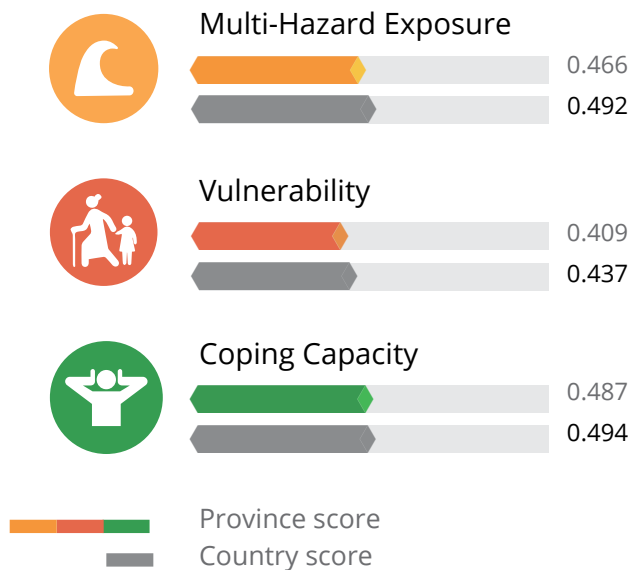
39 / 63

Rank within provinces
Score: 0.463



Binh Thuan's score and ranking are due to moderate Multi-hazard exposure combined with low Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

CA MAU

NDPBA PROVINCE PROFILE

VIỆT NAM CA MAU

CAPITAL: CÀ MAU

Area: 5,303 km²

Located in the Mekong Delta region, Ca Mau is the southernmost province of Viet Nam, bordering to the west by the Gulf of Thailand, and to the south and east by the East Sea. Surrounded by sea and accompanied by a complex rivers and canals network, the province is well-known for swampland and mangrove forests (e.g., U Minh biosphere reserve and Mũi Cà Mau national park). Ca Mau's economy is based on fishing, aquaculture, agriculture and ecotourism, while industry is mostly seafood processing.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.363 • Rank: 60/63



RESILIENCE (R) - very high
Score: 0.601 • Rank: 11/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.29 • Rank: 54/63



VULNERABILITY (V) - very low
Score: 0.354 • Rank: 54/63



COPING CAPACITY (CC) - very high
Score: 0.555 • Rank: 13/63



Population (2017)
1,272,333



Population in Poverty
4.7%



Illiterate population
4.4%



Access to improved water
99.3%



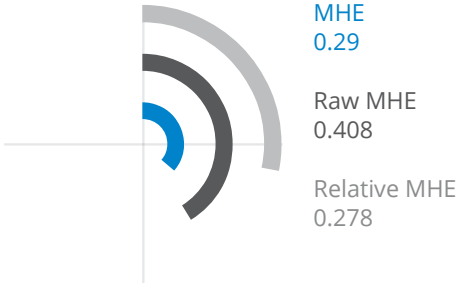
Average life expectancy
74.60 years

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



MULTI-HAZARD EXPOSURE

RANK: 54 / 63 PROVINCES
SCORE: 0.29



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:

Typhoon Wind
100.0%
1269014

Flood
20.5%
260908

Wildfire
3.0%
37550

Earthquake
0.0%
0

Landslide
0.0%
0

Extreme Temperature
0.0%
41

Surge
0.0%
0



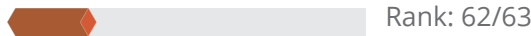
VULNERABILITY (V)

RANK: 54 / 63 PROVINCES
SCORE: 0.354

Vulnerability in Ca Mau is primarily driven by Information Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



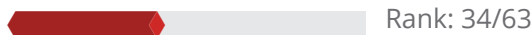
Environmental Stress



2.5% Forest Change
6.7 Livestock Density (per sq km)



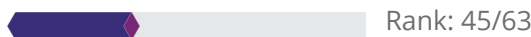
Vulnerable Health Status



74.6 Life Expectancy (years)
11.3 Infant Mortality Rate (per 1,000 live births)
8.6% Acute Malnutrition (Children <5)
74.5 Tuberculosis Incidence (per 100,000 persons)
5.67 Malaria Prevalance (per 100,000 persons)
202.4 HIV Prevalance (per 100,000 persons)



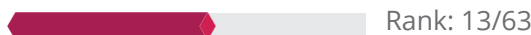
Clean Water Vulnerability



99.3% Households with Safe Water Access
59.2% Households with Hygienic Toilet Access



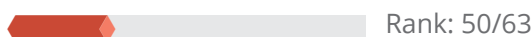
Information Access Vulnerability



4.4% Adult Illiteracy Rate
77.8% School Attendance Rate
89.0% Households without Internet
6.0% Households without TV



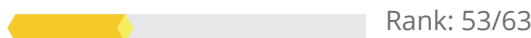
Economic Constraints



42.4 Economic Dependency Ratio
4.7% Poverty



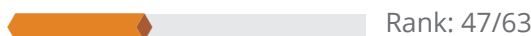
Gender Inequality



0.17 Income Inequality*
0.06 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
1.8% Average Annual Urban Population Change
7.2% Net Migration Rate



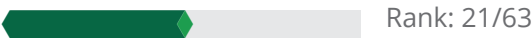
COPING CAPACITY (CC)

RANK: 13 / 63 PROVINCES
SCORE: 0.555

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



Economic Capacity



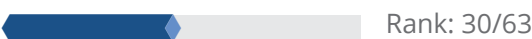
Rank: 21/63

7.01	4,125	38.2	6.3	7.97
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

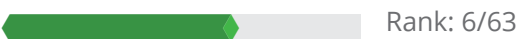


Rank: 30/63

5.45	6.42	5.81
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

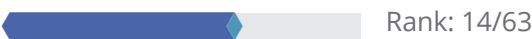


Rank: 6/63

32.5%
Protected Area



Infrastructure Capacity



Rank: 14/63



Health Care Capacity

Rank: 36/63

98.4%	26.24	4.9	10.15	9.32
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 15/63

4,366	35.02
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 5/63

91.5%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 11 / 63 PROVINCES
SCORE: 0.601

Ca Mau's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Information Access Vulnerability



Vulnerable Health Status



Governance



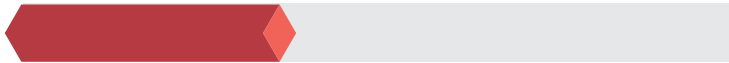
Health Care Capacity



MULTI-HAZARD RISK

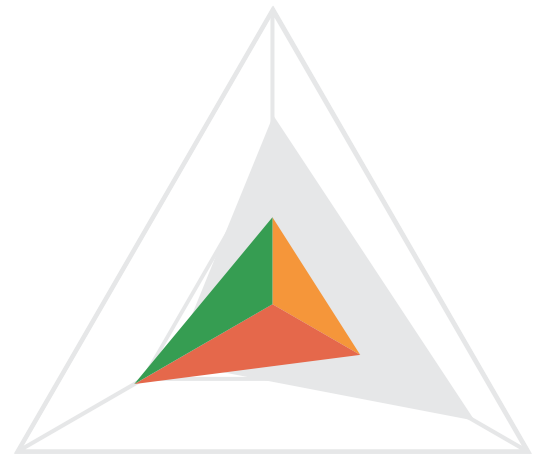
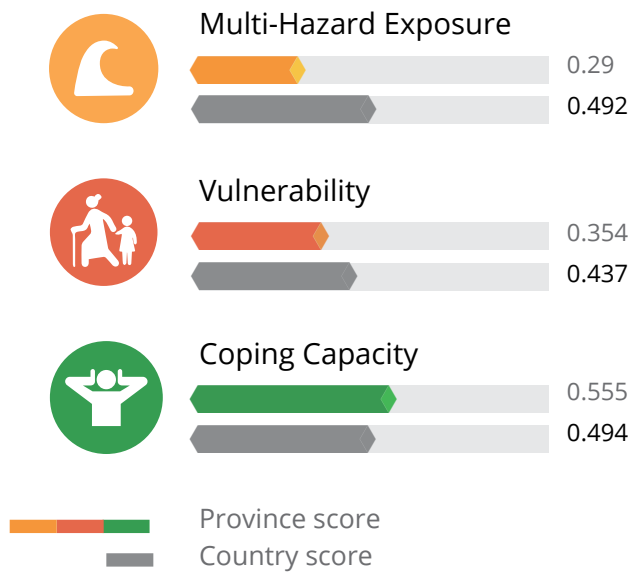
60 / 63

Rank within provinces
Score: 0.363



Ca Mau's score and ranking are due to very low Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

CAN THO

NDPBA PROVINCE PROFILE

VIỆT NAM CAN THO

CAPITAL: CAN

Area: 1,496 km²

The fourth largest city in Viet Nam, Can Tho city is the center of the Mekong Delta in terms of economics, culture, science, and technology. Located on the south bank of the Hau River, the city is noted for its floating market, rice paper-making village, and picturesque rural canals. As the main transportation hub for the Lower Mekong Delta region, Can Tho's economic development is growing fast mainly based on industry and service.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.438 • Rank: 46/63



RESILIENCE (R) - very high
Score: 0.602 • Rank: 9/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.517 • Rank: 29/63



VULNERABILITY (V) - low
Score: 0.375 • Rank: 50/63



COPING CAPACITY (CC) - very high
Score: 0.58 • Rank: 9/63



Population (2017)
1,285,754



Population in Poverty
3.1%



Illiterate population
5.8%



Access to improved water
86.5%



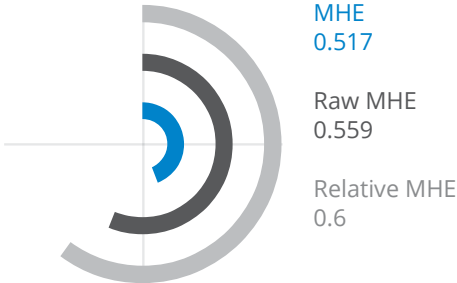
Average life expectancy
75.60 years

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



MULTI-HAZARD EXPOSURE

RANK: 29 / 63 PROVINCES
SCORE: 0.517



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1285754



Flood
95.0%
1221008



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



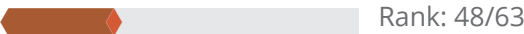
VULNERABILITY (V)

RANK: 50 / 63 PROVINCES
SCORE: 0.375

Vulnerability in Can Tho is primarily driven by Population Pressures and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



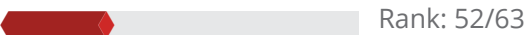
Environmental Stress



2.6% Forest Change
22.29 Livestock Density (per sq km)



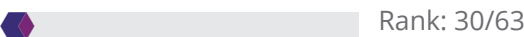
Vulnerable Health Status



75.6 Life Expectancy (years)
9.3 Infant Mortality Rate (per 1,000 live births)
5.9% Acute Malnutrition (Children <5)
103.2 Tuberculosis Incidence (per 100,000 persons)
0.24 Malaria Prevalance (per 100,000 persons)
410.7 HIV Prevalance (per 100,000 persons)



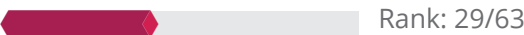
Clean Water Vulnerability



86.5% Households with Safe Water Access
69.0% Households with Hygienic Toilet Access



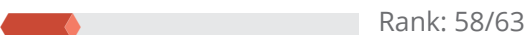
Information Access Vulnerability



5.8% Adult Illiteracy Rate
85.4% School Attendance Rate
77.0% Households without Internet
7.0% Housholds without TV



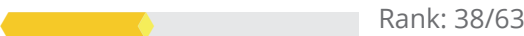
Economic Constraints



38.9 Economic Dependency Ratio
3.1% Poverty



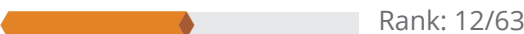
Gender Inequality



0.12 Income Inequality*
0.23 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
4.5% Average Annual Urban Population Change
4.6% Net Migration Rate



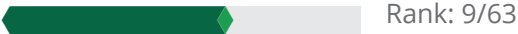
COPING CAPACITY (CC)

RANK: 9 / 63 PROVINCES
SCORE: 0.58

Can Tho exhibits weaker Coping Capacity in the areas of Environmental Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



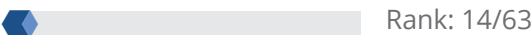
Rank: 9/63

6.78	4,288	52.08	6.84	7.86
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

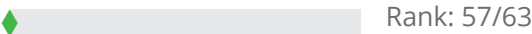


Rank: 14/63

6.51	6.17	6.32
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 57/63

0.0%
Protected Area



Infrastructure Capacity



Rank: 4/63



Health Care Capacity

Rank: 19/63

99.1%	25.43	7.06	11.75	6.97
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 9/63

4,468	12.46
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 10/63

89.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 9 / 63 PROVINCES
SCORE: 0.602

Can Tho's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Clean Water Access Vulnerability



Environmental Capacity



Governance



MULTI-HAZARD RISK

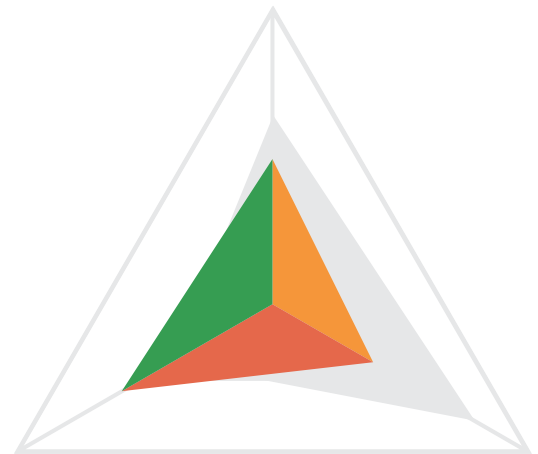
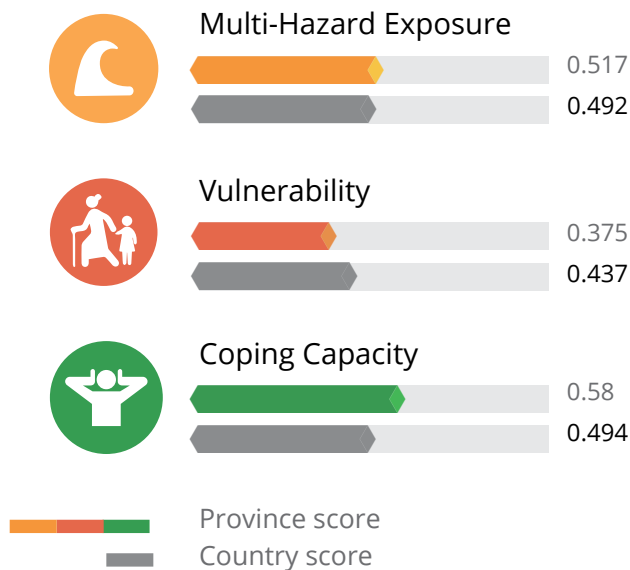
46 / 63

Rank within provinces
Score: 0.438



Can Tho's score and ranking are due to moderate Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

CAO BANG

NDPBA PROVINCE PROFILE

VIỆT NAM CAO BANG

CAPITAL: CAO BẰNG

Area: 7,949 km²

Cao Bang is located in the northern part of Viet Nam sharing a border with China to the north. The province is covered with mountains and hills and is home to many people from ethnic minority groups, namely Tay, Nung, Dao, and Hmong with distinctive cultural heritages. Cao Bang is one of the poorest region in northern Viet Nam with the economy centered mostly on agriculture and forestry.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.452 • Rank: 42/63



RESILIENCE (R) - very low
Score: 0.406 • Rank: 60/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.168 • Rank: 61/63



VULNERABILITY (V) - very high
Score: 0.579 • Rank: 5/63



COPING CAPACITY (CC) - very low
Score: 0.391 • Rank: 60/63



Population (2017)
542,733



Population in Poverty
24.4%



Illiterate population
14.5%



Access to improved water
35.8%



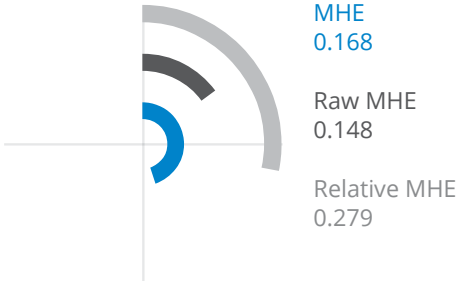
Average life expectancy
70.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 61 / 63 PROVINCES
SCORE: 0.168



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind

0.0%

0



Flood

14.1%

76765



Wildfire

7.1%

38745



Earthquake

0.0%

0



Landslide

6.4%

34710



Extreme Temperature

100.0%

542733



Surge

0.0%

0



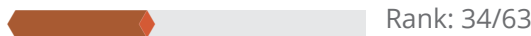
VULNERABILITY (V)

RANK: 5 / 63 PROVINCES
SCORE: 0.579

Vulnerability in Cao Bang is primarily driven by Clean Water Access Vulnerability and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



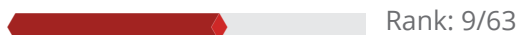
Environmental Stress



1.4% Forest Change
36.38 Livestock Density (per sq km)



Vulnerable Health Status



70 Life Expectancy (years)
23.9 Infant Mortality Rate (per 1,000 live births)
6.9% Acute Malnutrition (Children <5)
24.6 Tuberculosis Incidence (per 100,000 persons)
212.42 Malaria Prevalance (per 100,000 persons)
407.7 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



35.8% Households with Safe Water Access
32.0% Households with Hygienic Toilet Access



Information Access Vulnerability



14.5% Adult Illiteracy Rate
77.0% School Attendance Rate
87.0% Households without Internet
22.0% Housholds without TV



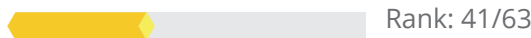
Economic Constraints



47 Economic Dependency Ratio
24.4% Poverty



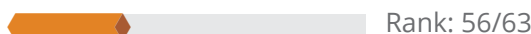
Gender Inequality



0.07 Income Inequality*
0.3 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.4% Average Annual Population Change
6.4% Average Annual Urban Population Change
0.1% Net Migration Rate



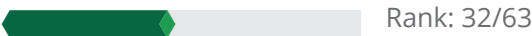
COPING CAPACITY (CC)

RANK: 60 / 63 PROVINCES
SCORE: 0.391

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



Economic Capacity

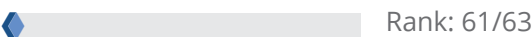


5.03	4,945	10.27	7.18	7.28
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



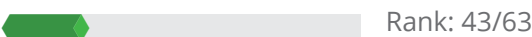
Governance



5.61	4.1	5.72
Law and Order*	Informal Charges*	Transparency*



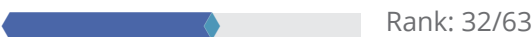
Environmental Capacity



3.4%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 4/63

95.5%	42.52	13.46	22.78	21.32
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 53/63

1,808	76.97
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 57/63

73.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 60 / 63 PROVINCES
SCORE: 0.406

Cao Bang's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Information
Access
Vulnerability



Governance



Transportation
Capacity



MULTI-HAZARD RISK

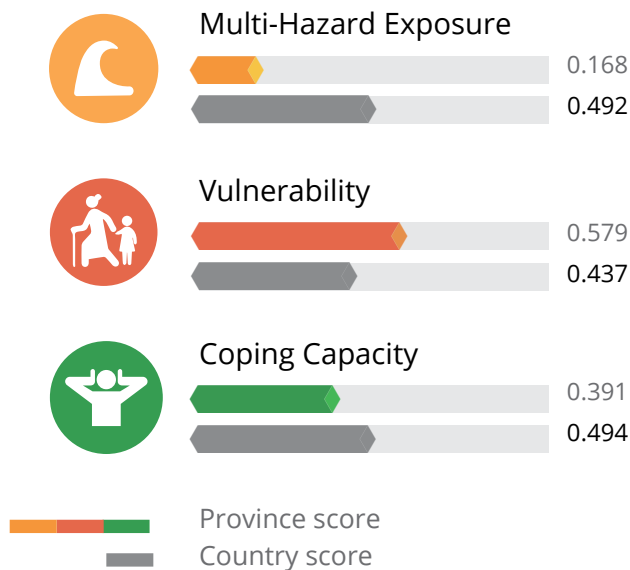
42 / 63

Rank within provinces
Score: 0.452



Cao Bang's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

DA NANG

NDPBA PROVINCE PROFILE

VIỆT NAM DA NANG

CAPITAL: HẢI CHÂU DISTRICT

Area: 1,065 km²

Located on the coast of the East Sea at the mouth of the Han River, Da Nang city is the commercial and educational center of central Viet Nam and the fifth largest city in the country. As one of the most important port cities in Viet Nam, Da Nang has the highest urbanization rate and rapid industrial development with six industrial parks. With rich scenery and cultural heritages and heavy investment, the tourism sector is a vital component of Da Nang's economy. The city consists of both coastal and mountainous terrain, and is susceptible to damage from typhoons and flooding during the wet season.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.333 • Rank: 63/63



RESILIENCE (R) - very high
Score: 0.749 • Rank: 1/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.496 • Rank: 32/63



VULNERABILITY (V) - very low
Score: 0.288 • Rank: 63/63



COPING CAPACITY (CC) - very high
Score: 0.786 • Rank: 1/63



Population (2017)
1,008,358



Population in Poverty
0.8%



Illiterate population
2.5%



Access to improved water
99.3%



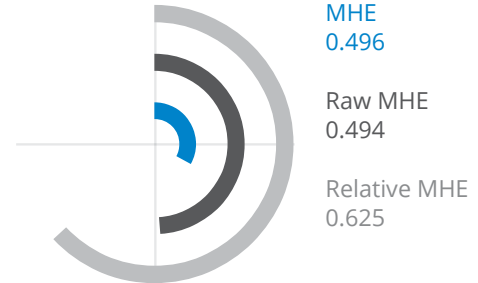
Average life expectancy
75.80 years

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

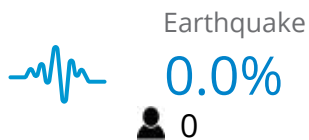
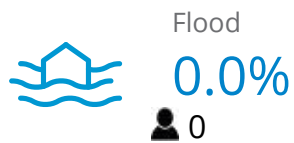


MULTI-HAZARD EXPOSURE

RANK: 32 / 63 PROVINCES
SCORE: 0.496



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





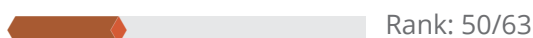
VULNERABILITY (V)

RANK: 63 / 63 PROVINCES
SCORE: 0.288

Vulnerability in Da Nang is primarily driven by Population Pressures and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



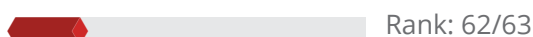
Environmental Stress



2.5% Forest Change
20.79 Livestock Density (per sq km)



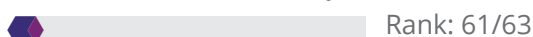
Vulnerable Health Status



75.8 Life Expectancy (years)
8.8 Infant Mortality Rate (per 1,000 live births)
4.0% Acute Malnutrition (Children <5)
80.7 Tuberculosis Incidence (per 100,000 persons)
2.68 Malaria Prevalance (per 100,000 persons)
73.7 HIV Prevalance (per 100,000 persons)



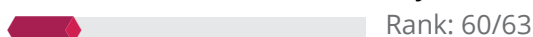
Clean Water Vulnerability



99.3% Households with Safe Water Access
98.6% Households with Hygienic Toilet Access



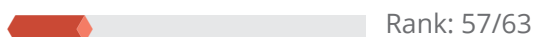
Information Access Vulnerability



2.5% Adult Illiteracy Rate
98.2% School Attendance Rate
56.0% Households without Internet
7.0% Housholds without TV



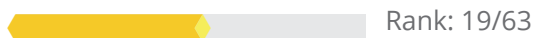
Economic Constraints



42.5 Economic Dependency Ratio
0.8% Poverty



Gender Inequality

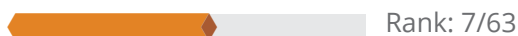


0.2 Income Inequality*
0.24 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



2.7% Average Annual Population Change
3.3% Average Annual Urban Population Change
4.9% Net Migration Rate



COPING CAPACITY (CC)

RANK: 1 / 63 PROVINCES
SCORE: 0.786

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



Economic Capacity



Rank: 2/63

7.76	5,522	59.26	6.93	8.55
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance



Rank: 4/63

6.74	6.29	6.46
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 4/63

44.3%
Protected Area



Infrastructure Capacity



Rank: 1/63



Health Care Capacity Rank: 1/63

99.2%	46.76	9.25	17.75	12.61
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 17/63

3,435	22.95
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 1/63

93.5%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 1 / 63 PROVINCES
SCORE: 0.749

Da Nang's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Gender Inequality



Transportation Capacity



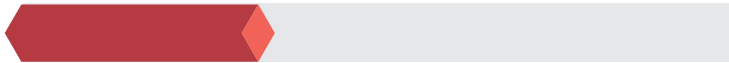
Governance



MULTI-HAZARD RISK

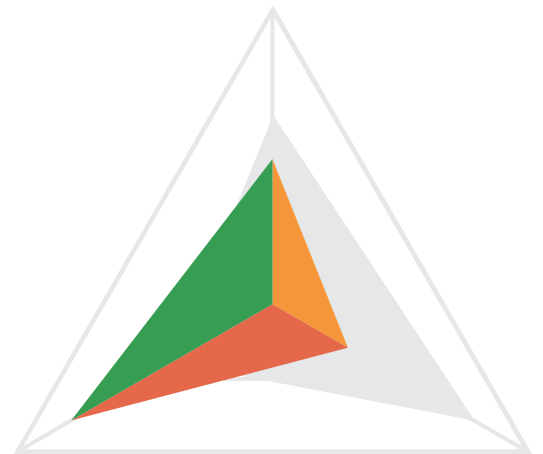
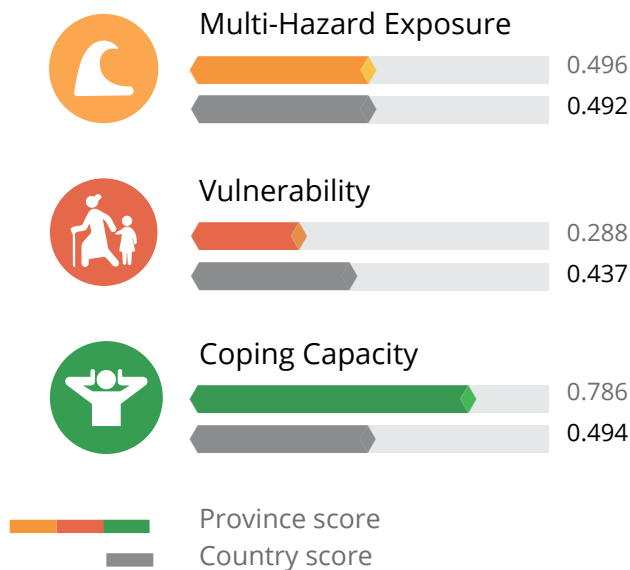
63 / 63

Rank within provinces
Score: 0.333



Da Nang's score and ranking are due to moderate Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

DAK LAK

NDPBA PROVINCE PROFILE

VIỆT NAM DAK LAK

CAPITAL: BUÔN MA THUỘT

Area: 13,898 km²

Located in the center of Viet Nam's Central Highland, Dak Lak is on a plateau of around 400-800m and shares a border with Cambodia to the west. The region is known for the diverse yet deeply-rooted traditions and cultures - home to a high number of indigenous people namely E
de, Ja rai, M'ngong. Prominent outputs of the province are coffee, fruit, rubber, tea and pepper while tourism and hydropower also play a role in Dak Lak's economy.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.513 • Rank: 21/63



RESILIENCE (R) - very low
Score: 0.479 • Rank: 52/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.499 • Rank: 31/63



VULNERABILITY (V) - very high
Score: 0.501 • Rank: 12/63



COPING CAPACITY (CC) - low
Score: 0.46 • Rank: 40/63



Population (2017)
1,941,816



Population in Poverty
10.0%



Illiterate population
7.1%



Access to improved water
79.4%



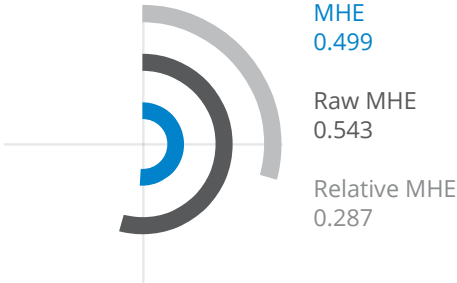
Average life expectancy
70.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 31 / 63 PROVINCES
SCORE: 0.499



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1941806



Flood
6.2%
120498



Wildfire
44.5%
864155



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
16.1%
313341



Surge
0.0%
0



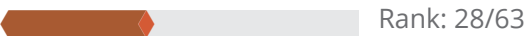
VULNERABILITY (V)

RANK: 12 / 63 PROVINCES
SCORE: 0.501

Vulnerability in Dak Lak is primarily driven by Clean Water Access Vulnerability and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



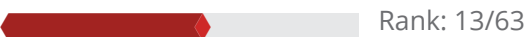
Environmental Stress



-3.2% **24.57**
Forest Change Livestock Density
(per sq km)



Vulnerable Health Status



70.1 **24** **7.2%** **30.6** **125.18** **93.1**
Life Expectancy Infant Mortality Acute Tuberculosis Malaria HIV Prevalance
(years) Rate (per 1,000 live births) Malnutrition (Children <5) Incidence (per 100,000 persons) Prevalance (per 100,000 persons)



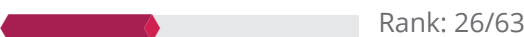
Clean Water Vulnerability



79.4% **48.0%**
Households Households with
with Safe Water Hygienic Toilet
Access Access



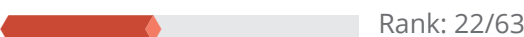
Information Access Vulnerability



7.1% **89.2%** **82.0%** **6.0%**
Adult Illiteracy School Households Housholds
Rate Attendance without Internet without TV
Rate



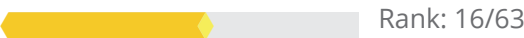
Economic Constraints



46.5 **10.0%**
Economic Poverty
Dependency Ratio



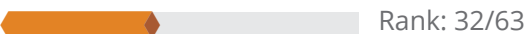
Gender Inequality



0.14 **0.39** *Values closer to 1 represent greater gender parity.
Income F M School
Inequality* Enrollment Rate*



Population Pressures



1.2% **2.3%** **2.0%**
Average Annual Average Net Migration
Population Urban Population
Change Change Rate



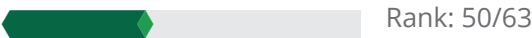
COPING CAPACITY (CC)

RANK: 40 / 63 PROVINCES
SCORE: 0.46

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



Economic Capacity

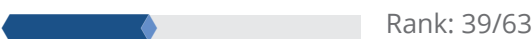


6.02	3,957	28.14	6.8	6.99
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



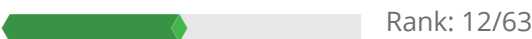
Governance



5.84	4.88	6.34
Law and Order*	Informal Charges*	Transparency*



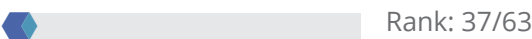
Environmental Capacity



19.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 54/63

93.9%	25.64	5.87	11.17	14.39
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 18/63

4,967	44.56
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 21/63

87.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 52 / 63 PROVINCES
SCORE: 0.479

Dak Lak's score and ranking are due to very high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Gender Inequality



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

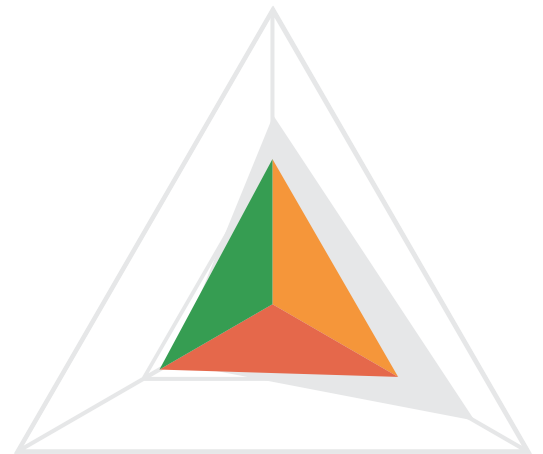
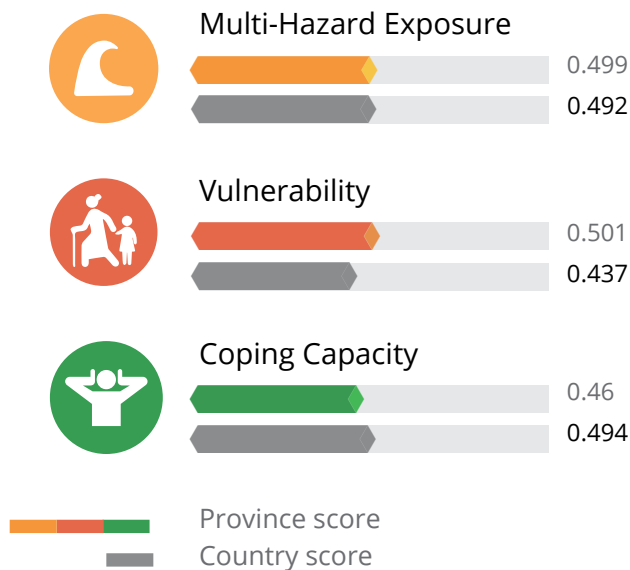
21 / 63

Rank within provinces
Score: 0.513



Dak Lak's score and ranking are due to moderate Multi-hazard exposure combined with very high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

DAK NONG

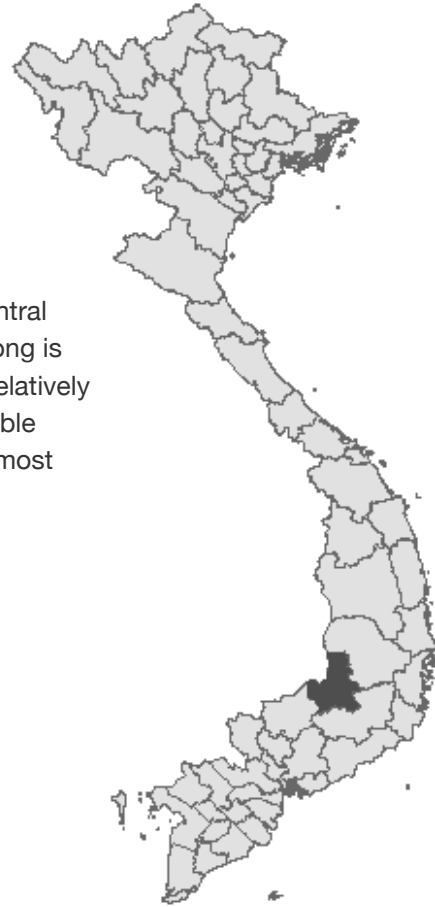
NDPBA PROVINCE PROFILE

VIỆT NAM DAK NONG

CAPITAL: GIA NGHĨA

Area: 6,846 km²

Dak Nong province is located in the southwestern part of the Central Highland of Viet Nam, adjacent to Cambodia to the west. Dak Nong is quite similar to Dak Lak in terms of geography and culture. The relatively flat cultivated surface with mainly bazon makes Dak Nong favorable for long-day industrial crops. Coffee, pepper and rubber are the most important products of the province.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.488 • Rank: 28/63



RESILIENCE (R) - very low
Score: 0.423 • Rank: 58/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.309 • Rank: 52/63



VULNERABILITY (V) - very high
Score: 0.513 • Rank: 9/63



COPING CAPACITY (CC) - very low
Score: 0.359 • Rank: 62/63



Population (2017)
607,165



Population in Poverty
15.7%



Illiterate population
6.3%



Access to improved water
89.3%



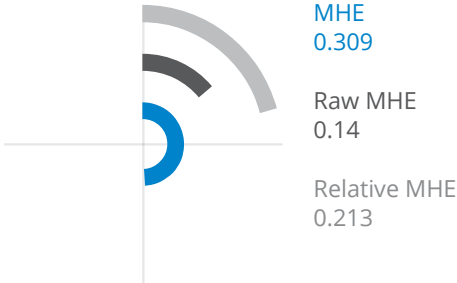
Average life expectancy
69.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 52 / 63 PROVINCES
SCORE: 0.309



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
607138



Flood
5.3%
31912



Wildfire
60.7%
368489



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



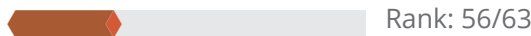
VULNERABILITY (V)

RANK: 9 / 63 PROVINCES
SCORE: 0.513

Vulnerability in Dak Nong is primarily driven by Economic Constraints and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



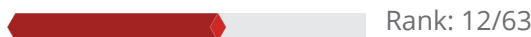
Environmental Stress



-2.1% Forest Change
7.64 Livestock Density (per sq km)



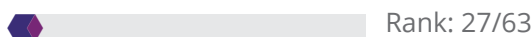
Vulnerable Health Status



69.2 Life Expectancy (years)
25.7 Infant Mortality Rate (per 1,000 live births)
7.1% Acute Malnutrition (Children <5)
27.1 Tuberculosis Incidence (per 100,000 persons)
109.57 Malaria Prevalance (per 100,000 persons)
93.5 HIV Prevalance (per 100,000 persons)



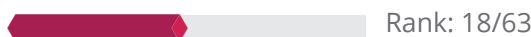
Clean Water Vulnerability



89.3% Households with Safe Water Access
58.4% Households with Hygienic Toilet Access



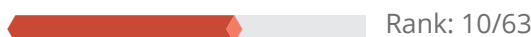
Information Access Vulnerability



6.3% Adult Illiteracy Rate
87.6% School Attendance Rate
87.0% Households without Internet
6.0% Housholds without TV



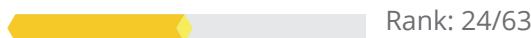
Economic Constraints



54.1 Economic Dependency Ratio
15.7% Poverty



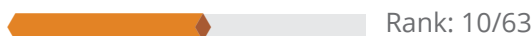
Gender Inequality



0.11 Income Inequality*
0.34 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



3.9% Average Annual Population Change
4.5% Average Annual Urban Population Change
1.1% Net Migration Rate



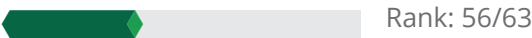
COPING CAPACITY (CC)

RANK: 62 / 63 PROVINCES
SCORE: 0.359

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



Economic Capacity

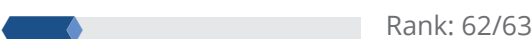


6.18	4,599	18.6	6.19	7.06
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



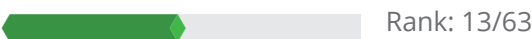
Governance



4.27	4.11	5.94
Law and Order*	Informal Charges*	Transparency*



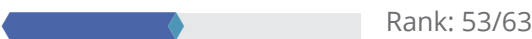
Environmental Capacity



18.7%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 61/63

94.2%	19.32	4.06	10.24	16.24
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 32/63

3,160	45.45
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 25/63

86.2%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 58 / 63 PROVINCES
SCORE: 0.423

Dak Nong's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Economic Constraints



Vulnerable Health Status



Governance



Health Care Capacity



MULTI-HAZARD RISK

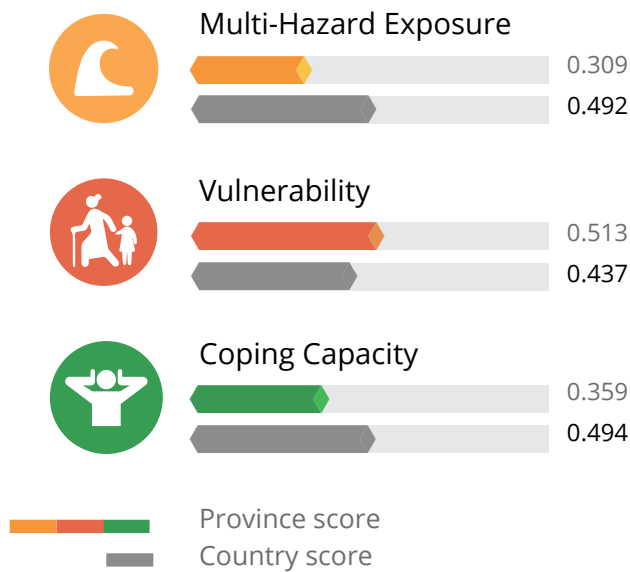
28 / 63

Rank within provinces
Score: 0.488



Dak Nong's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

DIEN BIEN

NDPBA PROVINCE PROFILE

VIỆT NAM

DIEN BIEN

CAPITAL: ĐIỆN BIÊN PHỦ

Area: 11,093 km²

Dien Bien is a mountainous province located in the Northwest region of Viet Nam, adjacent China to the northwest and Laos to the west. Dien Bien is well known for its vast Muong Thanh valley, where famous Dien Bien rice is grown. Besides agriculture and forest products, the province's economy is also based on tourism and international trade for its important position as main gateway to the northwest region and its historical / cultural riches. Currently, Dien Bien is the home of 21 ethnic groups, including Thai, Hmong, Kinh, Dao, and Kho Mu people.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.649 • Rank: 1/63



RESILIENCE (R) - very low
Score: 0.382 • Rank: 62/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.711 • Rank: 4/63



VULNERABILITY (V) - very high
Score: 0.647 • Rank: 2/63



COPING CAPACITY (CC) - very low
Score: 0.411 • Rank: 58/63



Population (2017)
559,711



Population in Poverty
29.1%



Illiterate population
24.9%



Access to improved water
31.8%



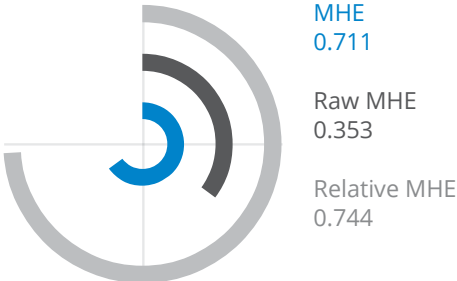
Average life expectancy
67.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 4 / 63 PROVINCES
SCORE: 0.711



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
24.0%
134167



Wildfire
84.7%
474294



Earthquake
92.5%
517975



Landslide
12.7%
71224



Extreme Temperature
99.2%
555063



Surge
0.0%
0



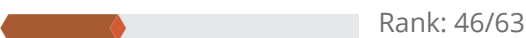
VULNERABILITY (V)

RANK: 2 / 63 PROVINCES
SCORE: 0.647

Vulnerability in Dien Bien is primarily driven by Economic Constraints and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



1.1% Forest Change
20.44 Livestock Density (per sq km)



Vulnerable Health Status



67.2 Life Expectancy (years)
33.8 Infant Mortality Rate (per 1,000 live births)
7.5% Acute Malnutrition (Children <5)
12.6 Tuberculosis Incidence (per 100,000 persons)
54.93 Malaria Prevalance (per 100,000 persons)
850.6 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



31.8% Households with Safe Water Access
28.6% Households with Hygienic Toilet Access



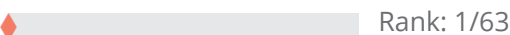
Information Access Vulnerability



24.9% Adult Illiteracy Rate
83.9% School Attendance Rate
88.0% Households without Internet
30.0% Housholds without TV



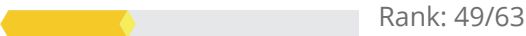
Economic Constraints



62.8 Economic Dependency Ratio
29.1% Poverty



Gender Inequality

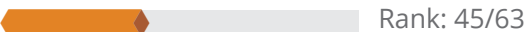


0.08 Income Inequality*
0.26 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



2.5% Average Annual Population Change
1.7% Average Annual Urban Population Change
0.6% Net Migration Rate



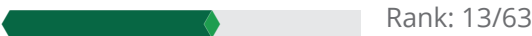
COPING CAPACITY (CC)

RANK: 58 / 63 PROVINCES
SCORE: 0.411

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



Economic Capacity



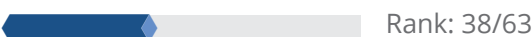
Rank: 13/63

6.23	5,954	12.64	6.93	7.74
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

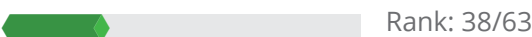


Rank: 38/63

6	4.47	6.36
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

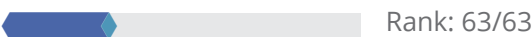


Rank: 38/63

5.6%
Protected Area



Infrastructure Capacity



Rank: 63/63



Health Care Capacity

Rank: 39/63

89.4%	35.46	9.42	16.11	25.33
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 62/63

1,171	133.49
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 63/63

57.0%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 62 / 63 PROVINCES
SCORE: 0.382

Dien Bien's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Economic Constraints



Clean Water Access Vulnerability



Communications Capacity



Transportation Capacity



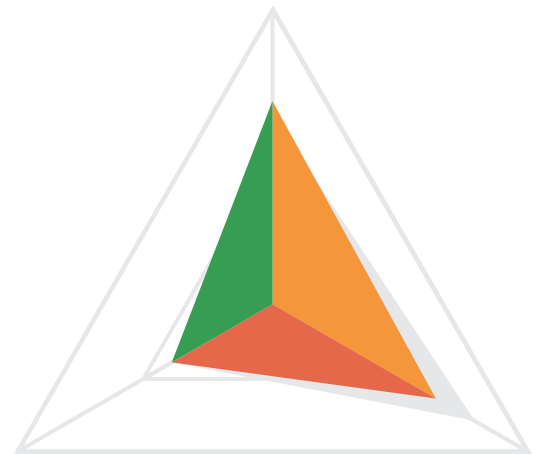
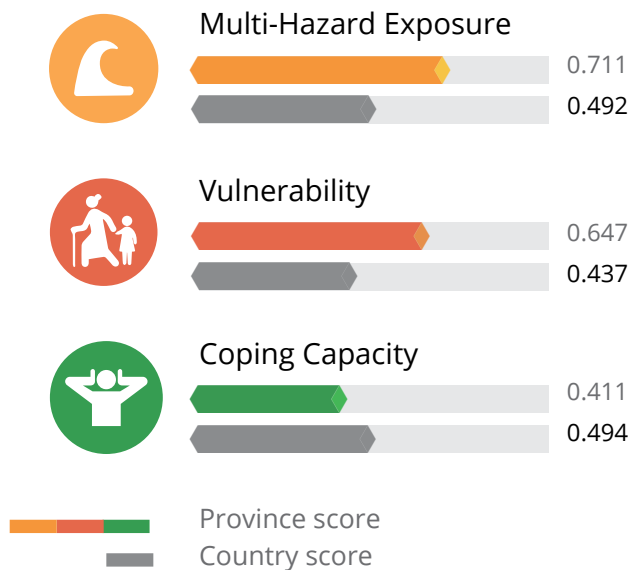
MULTI-HAZARD RISK

1 / 63

Rank within provinces
Score: 0.649

Dien Bien's score and ranking are due to very high Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

DONG NAI

NDPBA PROVINCE PROFILE

VIỆT NAM DONG NAI

CAPITAL: BIÊN HÒA

Area: 6,092 km²

Neighboring Ho Chi Minh City to the northeast, Dong Nai is an important province in the Southern economic main hub and is second only to Binh Duong in both population growth and net migration. The province is a main manufacturing center with about 100 major plants and enterprises. The plain terrain with mostly bazon and alluvial soil provides good conditions for growing fruits and industrial plants.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.41 • Rank: 53/63



RESILIENCE (R) - very high
Score: 0.631 • Rank: 4/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.49 • Rank: 33/63



VULNERABILITY (V) - very low
Score: 0.357 • Rank: 53/63



COPING CAPACITY (CC) - very high
Score: 0.618 • Rank: 6/63



Population (2017)
2,928,784



Population in Poverty
0.8%



Illiterate population
2.9%



Access to improved water
97.8%



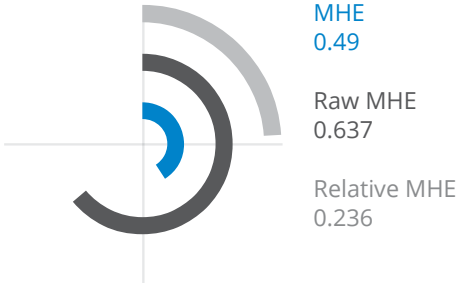
Average life expectancy
76.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 33 / 63 PROVINCES
SCORE: 0.49



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
2928505



Flood
10.1%
294775



Wildfire
32.8%
959791



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.4%
10381



Surge
0.0%
0



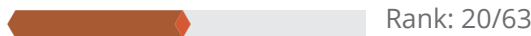
VULNERABILITY (V)

RANK: 53 / 63 PROVINCES
SCORE: 0.357

Vulnerability in Dong Nai is primarily driven by Population Pressures and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



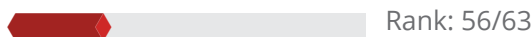
Environmental Stress



2.1% Forest Change
73.41 Livestock Density (per sq km)



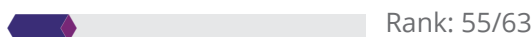
Vulnerable Health Status



76.4 Life Expectancy (years)
7.7 Infant Mortality Rate (per 1,000 live births)
7.0% Acute Malnutrition (Children <5)
51.7 Tuberculosis Incidence (per 100,000 persons)
6.62 Malaria Prevalance (per 100,000 persons)
216.9 HIV Prevalance (per 100,000 persons)



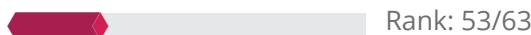
Clean Water Vulnerability



97.8% Households with Safe Water Access
95.8% Households with Hygienic Toilet Access



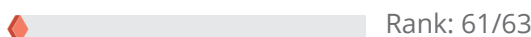
Information Access Vulnerability



2.9% Adult Illiteracy Rate
94.0% School Attendance Rate
77.0% Households without Internet
5.0% Housholds without TV



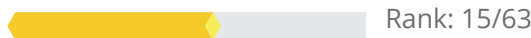
Economic Constraints



38.5 Economic Dependency Ratio
0.8% Poverty



Gender Inequality



0.11 Income Inequality*
0.43 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



2.8% Average Annual Population Change
3.9% Average Annual Urban Population Change
14.1% Net Migration Rate



COPING CAPACITY (CC)

RANK: 6 / 63 PROVINCES
SCORE: 0.618

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



Economic Capacity



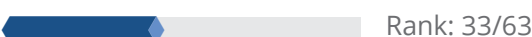
Rank: 7/63

6.51	5,321	42.23	6.75	8.05
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance



Rank: 33/63

5.77	5.01	6.24
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 3/63

44.7%
Protected Area



Infrastructure Capacity



Rank: 6/63



Health Care Capacity

Rank: 30/63

99.4%	25.82	4.69	11.43	11.73
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 3/63

7,545	25.99
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 7/63

90.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 4 / 63 PROVINCES
SCORE: 0.631

Dong Nai's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Gender Inequality



Governance



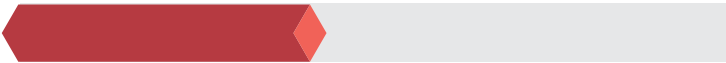
Health Care Capacity



MULTI-HAZARD RISK

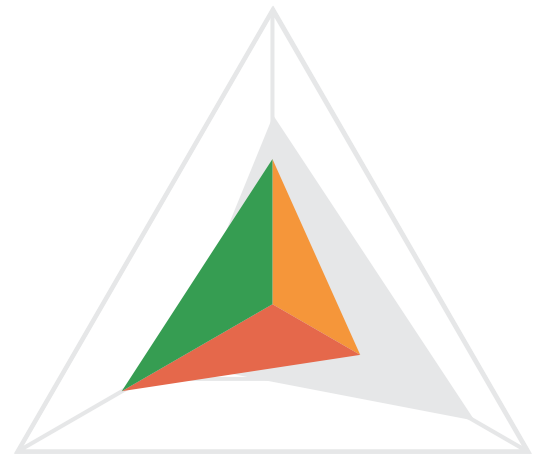
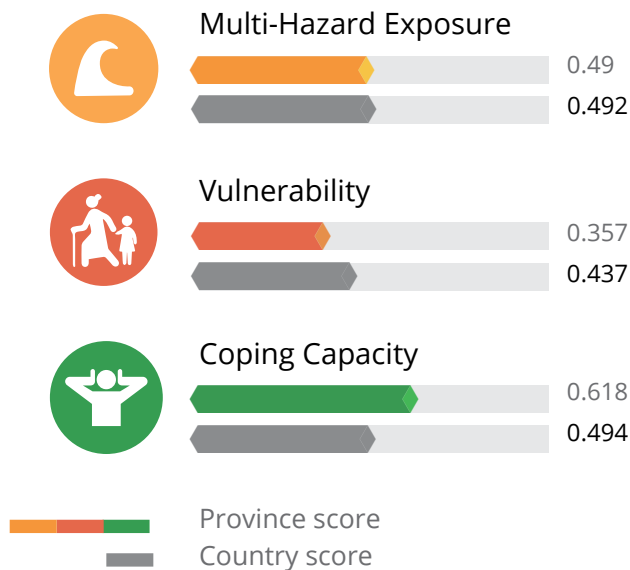
53 / 63

Rank within provinces
Score: 0.41



Dong Nai's score and ranking are due to moderate Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

DONG THAP

NDPBA PROVINCE PROFILE

VIỆT NAM DONG THAP

CAPITAL: CAO LÃNH

Area: 3,522 km²

Dong Thap province is located in the Mekong Delta region of Southern Viet Nam, bordering with Cambodia to the northwest. Possessing good soil, climate, and large river, canal and spring systems, Dong Thap is a major supplier of aquaculture and agriculture products, including fruit, flowers, and rice (3rd largest paddy field in the country). The province is also well known for its submerged in-land ecosystem of Dong Thap Muoi and Tram Chim National Park.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.45 • Rank: 44/63



RESILIENCE (R) - very high
Score: 0.62 • Rank: 6/63



MULTI-HAZARD EXPOSURE - high
Score: 0.59 • Rank: 24/63



VULNERABILITY (V) - low
Score: 0.404 • Rank: 41/63



COPING CAPACITY (CC) - very high
Score: 0.645 • Rank: 4/63



Population (2017)
1,825,101



Population in Poverty
7.2%



Illiterate population
6.4%



Access to improved water
69.0%



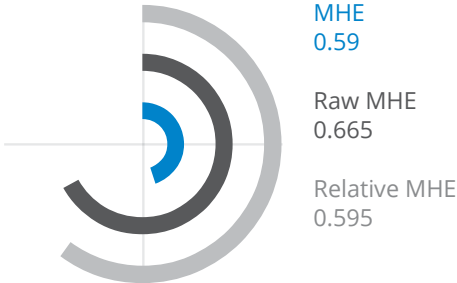
Average life expectancy
74.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 24 / 63 PROVINCES
SCORE: 0.59



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1823233



Flood
92.3%
1684275



Wildfire
6.7%
122614



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
1.7%
31316



Surge
0.0%
0



VULNERABILITY (V)

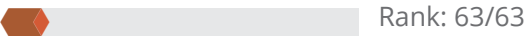
RANK: 41 / 63 PROVINCES

SCORE: 0.404

Vulnerability in Dong Thap is primarily driven by Clean Water Access Vulnerability and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



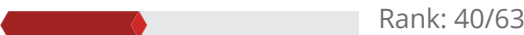
Environmental Stress



17.0% Forest Change
22.18 Livestock Density (per sq km)



Vulnerable Health Status



74.4 Life Expectancy (years)
11.9 Infant Mortality Rate (per 1,000 live births)
6.7% Acute Malnutrition (Children <5)
99.6 Tuberculosis Incidence (per 100,000 persons)
1.72 Malaria Prevalance (per 100,000 persons)
271.2 HIV Prevalance (per 100,000 persons)



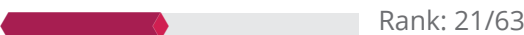
Clean Water Vulnerability



69.0% Households with Safe Water Access
60.5% Households with Hygienic Toilet Access



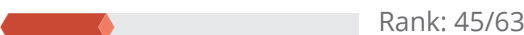
Information Access Vulnerability



6.4% Adult Illiteracy Rate
88.2% School Attendance Rate
88.0% Households without Internet
4.0% Housholds without TV



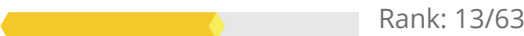
Economic Constraints



40.7 Economic Dependency Ratio
7.2% Poverty



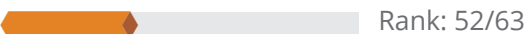
Gender Inequality



0.24 Income Inequality*
0.25 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
1.4% Average Annual Urban Population Change
7.3% Net Migration Rate



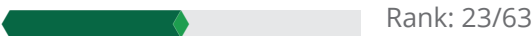
COPING CAPACITY (CC)

RANK: 4 / 63 PROVINCES
SCORE: 0.645

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



Economic Capacity



Rank: 23/63

8.69	3,446	35.5	6.7	8.3
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

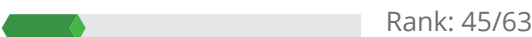


Rank: 1/63

7.1	6.86	7.25
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

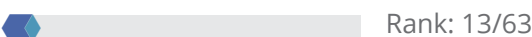


Rank: 45/63

3.0%
Protected Area



Infrastructure Capacity



Rank: 13/63



Health Care Capacity

Rank: 29/63

97.4%	25.44	5.64	12.45	8.87
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 7/63

4,700	11.07
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 28/63

85.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 6 / 63 PROVINCES
SCORE: 0.62

Dong Thap's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Gender Inequality



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

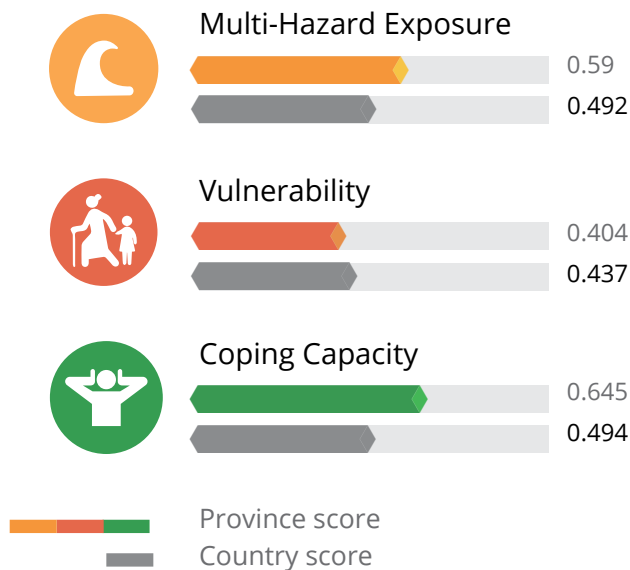
44 / 63

Rank within provinces
Score: 0.45



Dong Thap's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

GIA LAI

NDPBA PROVINCE PROFILE

VIỆT NAM GIA LAI

CAPITAL: PLEIKU

Area: 18,202 km²

Located in the north of Viet Nam’s Central Highland, Gia Lai shares a border with Cambodia to the west - with a mix of mountains, plateaus, and valleys. The province is the home to a number of indigenous people namely Ja rai, Ba Na, and E r, with a long history and old ethnic culture. Currently, Gia Lai is a main supplier of rubber, coffee, fruit and other agriculture products with high hydropower generation potential.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.531 • Rank: 14/63



RESILIENCE (R) - very low
Score: 0.426 • Rank: 57/63



MULTI-HAZARD EXPOSURE - low
Score: 0.446 • Rank: 41/63



VULNERABILITY (V) - very high
Score: 0.565 • Rank: 6/63



COPING CAPACITY (CC) - very low
Score: 0.418 • Rank: 55/63



Population (2017)
1,460,930



Population in Poverty
15.7%



Illiterate population
16.0%



Access to improved water
83.8%



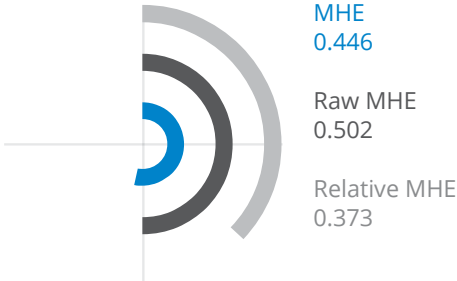
Average life expectancy
68.70 years

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



MULTI-HAZARD EXPOSURE

RANK: 41 / 63 PROVINCES
SCORE: 0.446



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1461046



Flood
8.2%
120146



Wildfire
22.1%
323189



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
34.0%
496673



Surge
0.0%
0



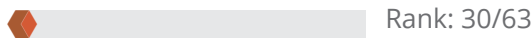
VULNERABILITY (V)

RANK: 6 / 63 PROVINCES
SCORE: 0.565

Vulnerability in Gia Lai is primarily driven by Vulnerable Health Status and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



-3.2% Forest Change
22.37 Livestock Density (per sq km)



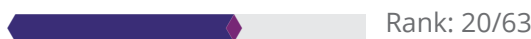
Vulnerable Health Status



68.7 Life Expectancy (years)
26.3 Infant Mortality Rate (per 1,000 live births)
8.9% Acute Malnutrition (Children <5)
27.2 Tuberculosis Incidence (per 100,000 persons)
321.21 Malaria Prevalance (per 100,000 persons)
59.5 HIV Prevalance (per 100,000 persons)



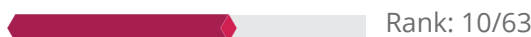
Clean Water Vulnerability



83.8% Households with Safe Water Access
55.6% Households with Hygienic Toilet Access



Information Access Vulnerability



16.0% Adult Illiteracy Rate
75.6% School Attendance Rate
84.0% Households without Internet
6.0% Housholds without TV



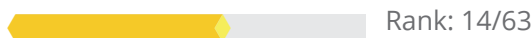
Economic Constraints



54.6 Economic Dependency Ratio
15.7% Poverty



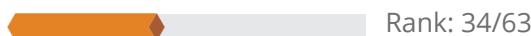
Gender Inequality



0.14 Income Inequality*
0.4 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.9% Average Annual Population Change
3.0% Average Annual Urban Population Change
0.6% Net Migration Rate



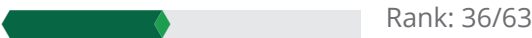
COPING CAPACITY (CC)

RANK: 55 / 63 PROVINCES
SCORE: 0.418

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



Economic Capacity

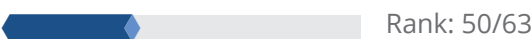


5.23	3,946	29.14	7.19	7.13
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



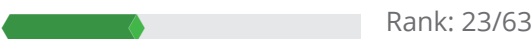
Governance



5.7	4.86	6.46
Law and Order*	Informal Charges*	Transparency*



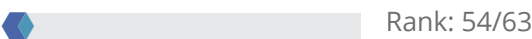
Environmental Capacity



10.7%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 55/63

93.6%	24.64	5.91	13.13	18.41
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 52/63

4,418	123.92
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 29/63

84.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 57 / 63 PROVINCES
SCORE: 0.426

Gia Lai's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Vulnerable Health Status



Economic Constraints



Governance



Health Care Capacity



MULTI-HAZARD RISK

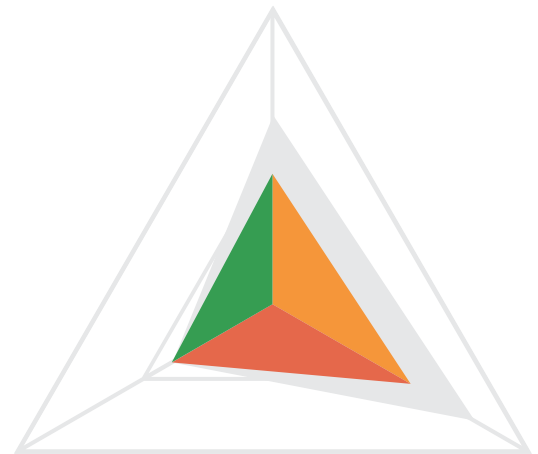
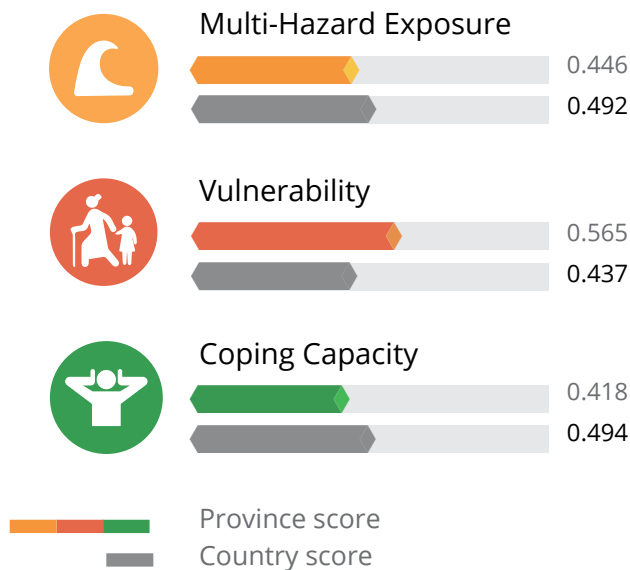
14 / 63

Rank within provinces
Score: 0.531



Gia Lai's score and ranking are due to low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

HA GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM HA GIANG

CAPITAL: HÀ GIANG

Area: 9,415 km²

As the northern-most province of Viet Nam, Ha Giang belongs to the mountainous region and shares a border with China to the north. Hà Giang is one of the poorest provinces of Viet Nam with economic activities revolved around small-scale agriculture and forestry due to its mountainous topography and limited infrastructure. As the home of more than 20 ethnic minority groups, most notably the Hmong, Tay, Dao, Nung, and Lo Lo people, the province is well-known by the rich culture and traditional value.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.495 • Rank: 26/63



RESILIENCE (R) - very low
Score: 0.407 • Rank: 59/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.298 • Rank: 53/63



VULNERABILITY (V) - very high
Score: 0.641 • Rank: 3/63



COPING CAPACITY (CC) - low
Score: 0.454 • Rank: 42/63



Population (2017)
823,893



Population in Poverty
24.2%



Illiterate population
25.1%



Access to improved water
31.7%



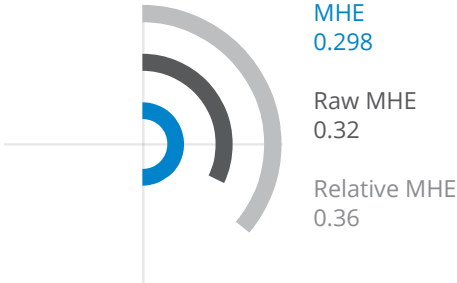
Average life expectancy
67.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 53 / 63 PROVINCES
SCORE: 0.298



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
17.7%
145600



Wildfire
7.5%
61449



Earthquake
0.0%
0



Landslide
26.2%
216261



Extreme Temperature
95.4%
786114



Surge
0.0%
0



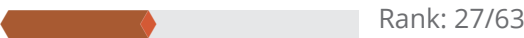
VULNERABILITY (V)

RANK: 3 / 63 PROVINCES
SCORE: 0.641

Vulnerability in Ha Giang is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



0.0% Forest Change
37.53 Livestock Density (per sq km)



Vulnerable Health Status



67.2 Life Expectancy (years)
33.6 Infant Mortality Rate (per 1,000 live births)
9.8% Acute Malnutrition (Children <5)
25 Tuberculosis Incidence (per 100,000 persons)
23.2 Malaria Prevalance (per 100,000 persons)
151.4 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



31.7% Households with Safe Water Access
37.5% Households with Hygienic Toilet Access



Information Access Vulnerability



25.1% Adult Illiteracy Rate
79.8% School Attendance Rate
90.0% Households without Internet
25.0% Housholds without TV



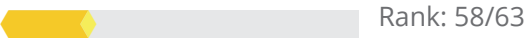
Economic Constraints



57.3 Economic Dependency Ratio
24.2% Poverty



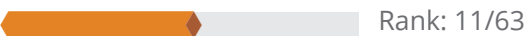
Gender Inequality



0.1 Income Inequality*
0.11 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.8% Average Annual Population Change
5.4% Average Annual Urban Population Change
1.5% Net Migration Rate



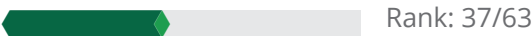
COPING CAPACITY (CC)

RANK: 42 / 63 PROVINCES
SCORE: 0.454

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



Economic Capacity



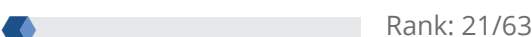
Rank: 37/63

7.27	5,070	7.85	6.26	7.91
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

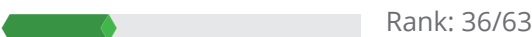


Rank: 21/63

7.01	4.49	6.18
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

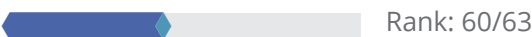


Rank: 36/63

6.5%
Protected Area



Infrastructure Capacity



Rank: 60/63



Health Care Capacity

Rank: 32/63

92.7%	34.5	8.34	17.27	18.29
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 54/63

2,013	92.91
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 59/63

70.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 59 / 63 PROVINCES
SCORE: 0.407

Ha Giang's score and ranking are due to very high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Communications
Capacity



Transportation
Capacity



MULTI-HAZARD RISK

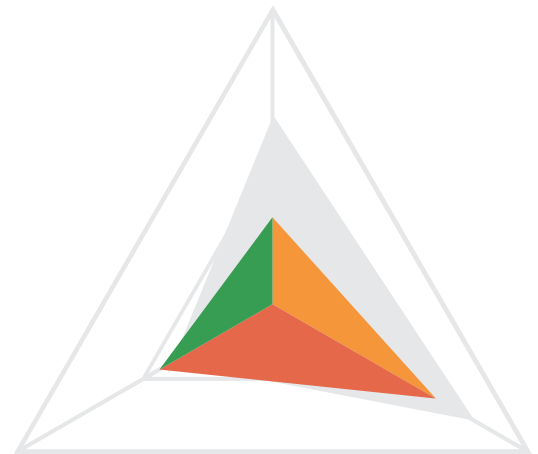
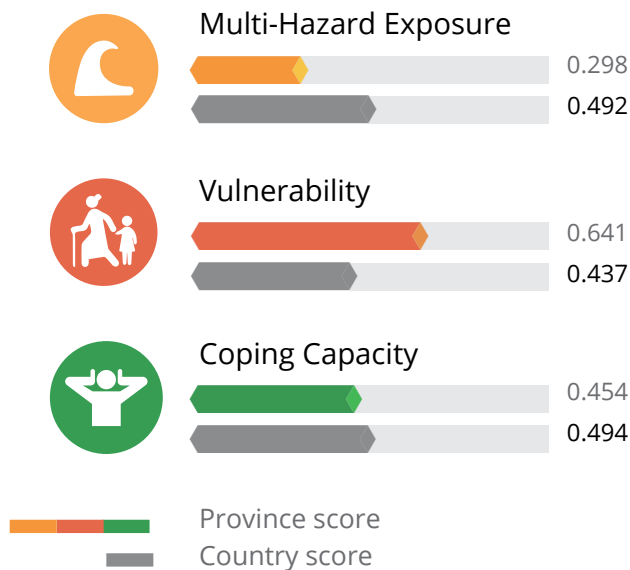
26 / 63

Rank within provinces
Score: 0.495



Ha Giang's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

HA NAM

NDPBA PROVINCE PROFILE

VIỆT NAM HA NAM

CAPITAL: PHỦ LÝ

Area: 988 km²

Neighboring Hanoi Capital to the south, Ha Nam is a province in the Red River Delta. With lowland terrain and a wide irrigation network, the province's economy is traditionally based on agriculture, aquaculture, poultry, and handicraft production. With Hanoi expansion, Ha Nam is rapidly developing with new urban complex, education institutions, and industrial parks.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.56 • Rank: 8/63



RESILIENCE (R) - low
Score: 0.513 • Rank: 40/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.706 • Rank: 5/63



VULNERABILITY (V) - moderate
Score: 0.407 • Rank: 39/63



COPING CAPACITY (CC) - very low
Score: 0.433 • Rank: 51/63



Population (2017)
823,794



Population in Poverty
5.5%



Illiterate population
1.8%



Access to improved water
99.6%



Average life expectancy
74.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 5 / 63 PROVINCES
SCORE: 0.706



MHE
0.706

Raw MHE
0.542

Relative MHE
1

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
823794



Flood
87.9%
724493



Wildfire
0.0%
0



Earthquake
0.0%
62



Landslide
0.0%
0



Extreme Temperature
100.0%
823794



Surge
0.0%
0



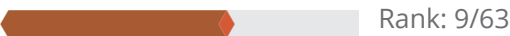
VULNERABILITY (V)

RANK: 39 / 63 PROVINCES
SCORE: 0.407

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



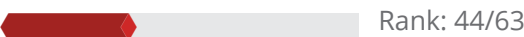
Environmental Stress



1.5% Forest Change
136.15 Livestock Density (per sq km)



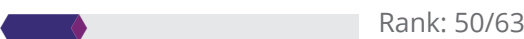
Vulnerable Health Status



74.3 Life Expectancy (years)
12 Infant Mortality Rate (per 1,000 live births)
6.4% Acute Malnutrition (Children <5)
43.7 Tuberculosis Incidence (per 100,000 persons)
44.53 Malaria Prevalance (per 100,000 persons)
116.7 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



99.6% Households with Safe Water Access
74.6% Households with Hygienic Toilet Access



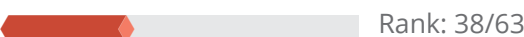
Information Access Vulnerability



1.8% Adult Illiteracy Rate
98.2% School Attendance Rate
91.0% Households without Internet
4.0% Housholds without TV



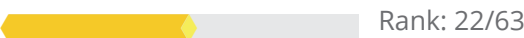
Economic Constraints



46.4 Economic Dependency Ratio
5.5% Poverty



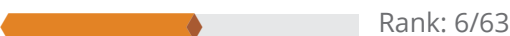
Gender Inequality



0.13 Income Inequality*
0.35 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.1% Average Annual Population Change
9.6% Average Annual Urban Population Change
3.2% Net Migration Rate



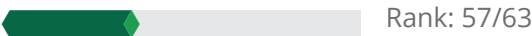
COPING CAPACITY (CC)

RANK: 51 / 63 PROVINCES
SCORE: 0.433

Ha Nam exhibits weaker Coping Capacity in the areas of Economic Capacity and Communications Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



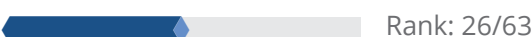
Rank: 57/63

7.03	3,824	17.49	6.21	7.77
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

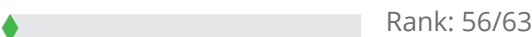


Rank: 26/63

5.77	5.36	6.35
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

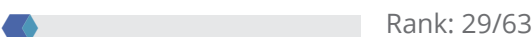


Rank: 56/63

0.0%
Protected Area



Infrastructure Capacity



Rank: 29/63



Health Care Capacity Rank: 9/63

99.5%	31.51	6.15	13.84	5
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 44/63

1,232	20.42
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 55/63

74.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 40 / 63 PROVINCES
SCORE: 0.513

Ha Nam's score and ranking are due to moderate Vulnerability combined with very low Coping Capacity scores.

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



Environmental Stress



Population Pressures



Economic Capacity



Communications Capacity



MULTI-HAZARD RISK

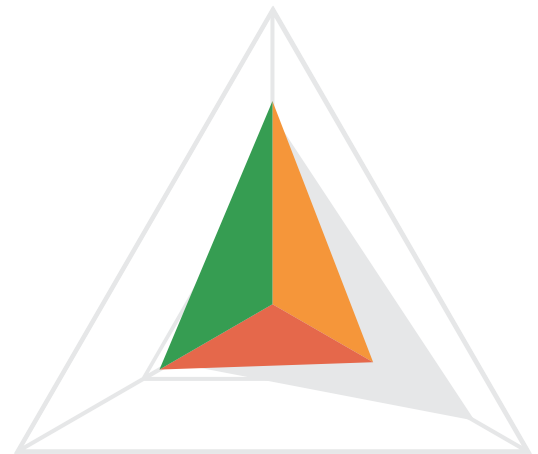
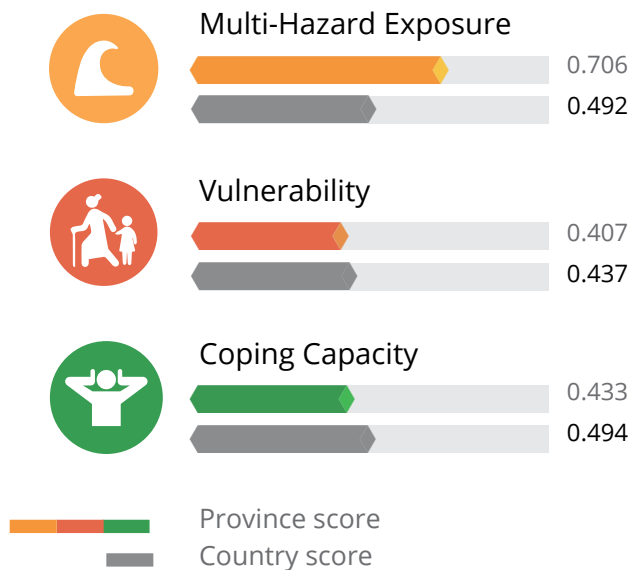
8 / 63

Rank within provinces
Score: 0.56



Ha Nam's score and ranking are due to very high Multi-hazard exposure combined with moderate Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

HA NOI

NDPBA PROVINCE PROFILE

VIỆT NAM HA NOI

CAPITAL: HOÀN KIẾM DISTRICT

Area: 3,989 km²

Located at the center of the Red River Delta, Ha Noi - the Capital city of Viet Nam -, is the country's second largest city in population (about 7.7 million people in 2015). The city has a long history of more than 1,000 years and is rich in culture and natural landscapes, including certain landmarks for tourists such as the old quarter, colonial Hanoi, Thang Long imperial citadel, lakes, Ba Vi sacred peaks and many traditional handicrafts and villages. Hanoi rapidly urbanized as its economy gradually transformed from agriculture to trade, tourism, service, and industry-based.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.472 • Rank: 34/63



RESILIENCE (R) - very high
Score: 0.611 • Rank: 7/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.639 • Rank: 12/63



VULNERABILITY (V) - very low
Score: 0.32 • Rank: 60/63



COPING CAPACITY (CC) - high
Score: 0.542 • Rank: 16/63



Population (2017)
7,402,247



Population in Poverty
1.8%



Illiterate population
1.5%



Access to improved water
99.4%



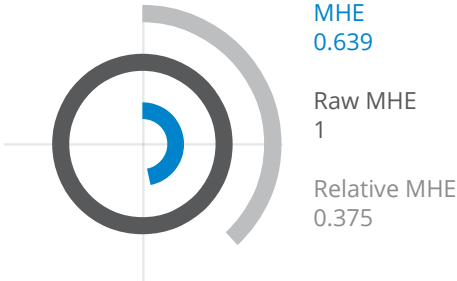
Average life expectancy
75.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 12 / 63 PROVINCES
SCORE: 0.639



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
6.8%
500109



Flood
35.3%
2610232



Wildfire
0.2%
13521



Earthquake
0.6%
45299



Landslide
0.1%
5233



Extreme Temperature
100.0%
7402247



Surge
0.0%
0



VULNERABILITY (V)

RANK: 60 / 63 PROVINCES
SCORE: 0.32

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



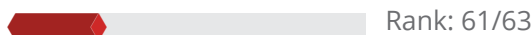
Environmental Stress



-3.6% Forest Change
143.79 Livestock Density (per sq km)



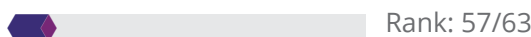
Vulnerable Health Status



75.2 Life Expectancy (years)
10.2 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
26.4 Tuberculosis Incidence (per 100,000 persons)
0.23 Malaria Prevalance (per 100,000 persons)
300.7 HIV Prevalance (per 100,000 persons)



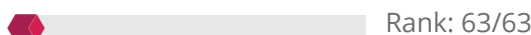
Clean Water Vulnerability



99.4% Households with Safe Water Access
92.3% Households with Hygienic Toilet Access



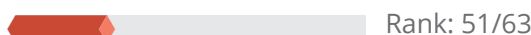
Information Access Vulnerability



1.5% Adult Illiteracy Rate
98.5% School Attendance Rate
56.0% Households without Internet
4.0% Housholds without TV



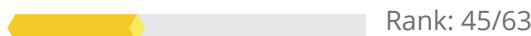
Economic Constraints



45.6 Economic Dependency Ratio
1.8% Poverty



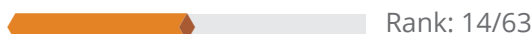
Gender Inequality



0.12 Income Inequality*
0.2 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



2.3% Average Annual Population Change
5.1% Average Annual Urban Population Change
0.6% Net Migration Rate



COPING CAPACITY (CC)

RANK: 16 / 63 PROVINCES
SCORE: 0.542

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



Economic Capacity

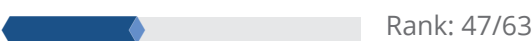


7.19	5,703	52.13	7.68	6.72
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



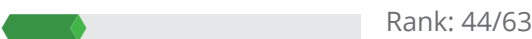
Governance



4.88	4.4	6.31
Law and Order*	Informal Charges*	Transparency*



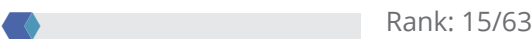
Environmental Capacity



3.1%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 59/63

95.0%	15.01	4.94	10.1	6.78
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 2/63

12,143	15.99
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 6/63

91.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 7 / 63 PROVINCES
SCORE: 0.611

Ha Noi's score and ranking are due to very low Vulnerability combined with high Coping Capacity scores.

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



Environmental Stress



Population Pressures



Health Care Capacity



Governance



MULTI-HAZARD RISK

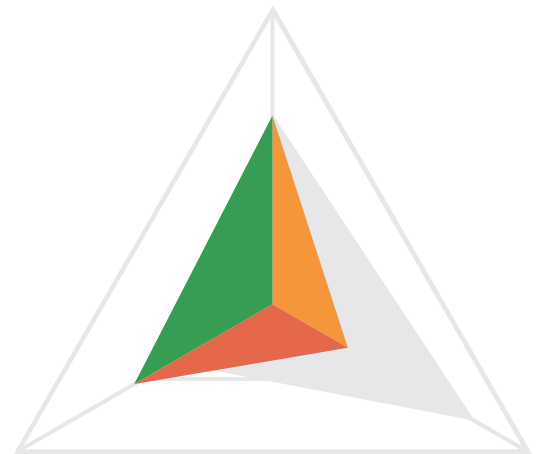
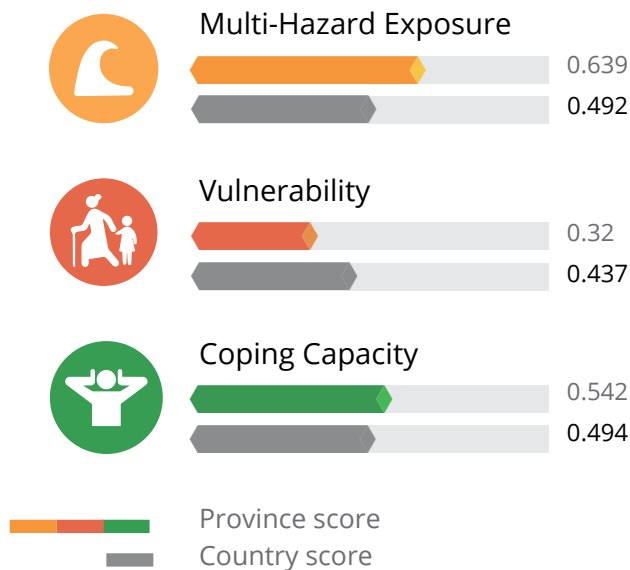
34 / 63

Rank within provinces
Score: 0.472



Ha Noi's score and ranking are due to very high Multi-hazard exposure combined with very low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

HA TINH

NDPBA PROVINCE PROFILE

VIỆT NAM HA TINH

CAPITAL: HÀ TĨNH

Area: 6,654 km²

Ha Tinh province is located in the North Central Coast of Viet Nam, sharing a border with Laos to the west. The deep-cut terrain with harsh climate conditions accompanied with frequent typhoons makes the province one of the poorest provinces in Viet Nam. Ha Tinh's economy is mostly based on agriculture, mining, fishing, and food processing. The recently established Vung Ang economic zone with a deep seaport, steel mill, and thermal power plant is expected to transform the province's economy.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.539 • Rank: 11/63



RESILIENCE (R) - low
Score: 0.498 • Rank: 44/63



MULTI-HAZARD EXPOSURE - high
Score: 0.613 • Rank: 21/63



VULNERABILITY (V) - high
Score: 0.452 • Rank: 23/63



COPING CAPACITY (CC) - low
Score: 0.448 • Rank: 44/63



Population (2017)
1,252,519



Population in Poverty
13.3%



Illiterate population
2.4%



Access to improved water
93.8%



Average life expectancy
72.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 21 / 63 PROVINCES
SCORE: 0.613



MHE
0.613
Raw MHE
0.589
Relative MHE
0.711

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1250165



Flood
21.0%
263331



Wildfire
8.7%
109313



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1252519



Surge
0.0%
5



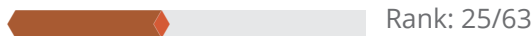
VULNERABILITY (V)

RANK: 23 / 63 PROVINCES
SCORE: 0.452

Vulnerability in Ha Tinh is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



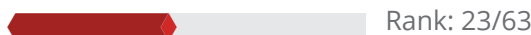
Environmental Stress



0.3% Forest Change
43.72 Livestock Density (per sq km)



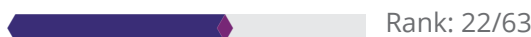
Vulnerable Health Status



72.3 Life Expectancy (years)
17.1 Infant Mortality Rate (per 1,000 live births)
6.5% Acute Malnutrition (Children <5)
44.5 Tuberculosis Incidence (per 100,000 persons)
91.29 Malaria Prevalance (per 100,000 persons)
67.5 HIV Prevalance (per 100,000 persons)



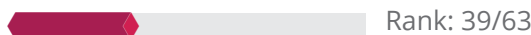
Clean Water Vulnerability



93.8% Households with Safe Water Access
45.0% Households with Hygienic Toilet Access



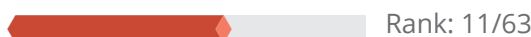
Information Access Vulnerability



2.4% Adult Illiteracy Rate
98.1% School Attendance Rate
87.0% Households without Internet
9.0% Housholds without TV



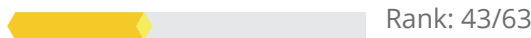
Economic Constraints



54.8 Economic Dependency Ratio
13.3% Poverty



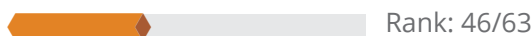
Gender Inequality



0.11 Income Inequality*
0.23 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.1% Average Annual Population Change
4.7% Average Annual Urban Population Change
4.3% Net Migration Rate



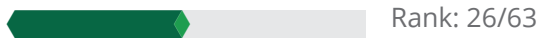
COPING CAPACITY (CC)

RANK: 44 / 63 PROVINCES
SCORE: 0.448

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



Economic Capacity

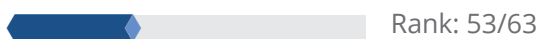


5.65	4,207	29.62	6.9	7.56
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



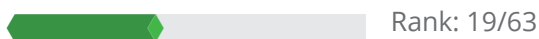
Governance



5.75	4.76	6.16
Law and Order*	Informal Charges*	Transparency*



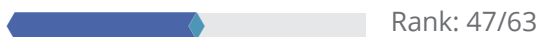
Environmental Capacity



13.1%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 34/63

98.3%	30.28	7.19	12.72	28.67
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 56/63

3,792	133.13
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 24/63

86.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 44 / 63 PROVINCES
SCORE: 0.498

Ha Tinh's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Governance



Transportation
Capacity



MULTI-HAZARD RISK

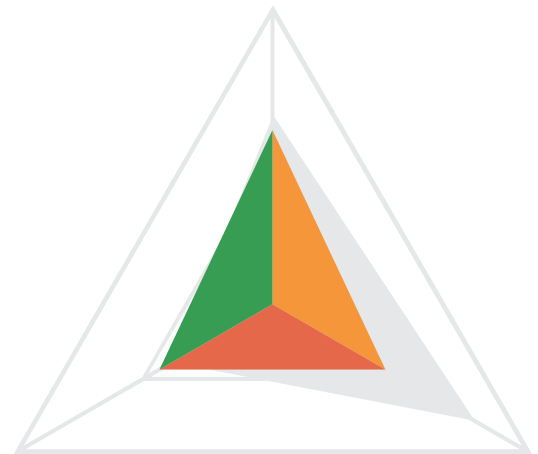
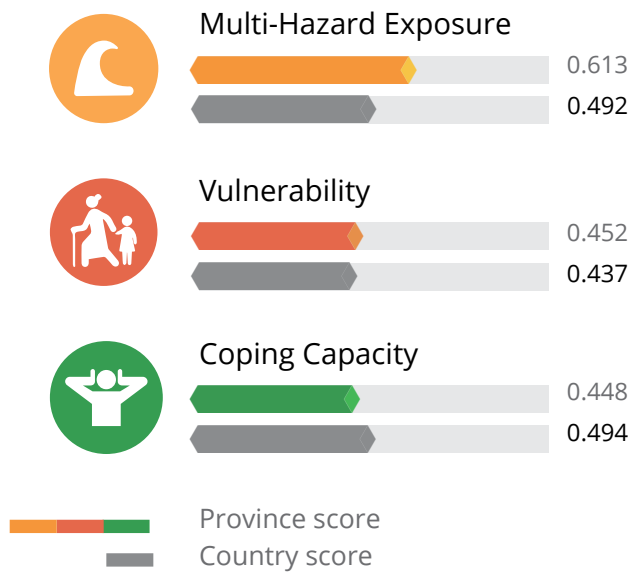
11 / 63

Rank within provinces
Score: 0.539



Ha Tinh's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

HAI DUONG

NDPBA PROVINCE PROFILE

VIỆT NAM HAI DUONG

CAPITAL: HẢI DƯƠNG

Area: 1,924 km²

Hai Duong province is landlocked in the center of the Red River Delta. With favorable conditions for natural resources, land area and transportation, Hai Duong is one of the most industrialized and developed provinces in Viet Nam. The province mainly focuses on developing agriculture and industrial production, attracting domestic and international investment in over 50 industrial areas. Well-known products include lychees and the traditional mung bean sweet.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.528 • Rank: 16/63



RESILIENCE (R) - high
Score: 0.552 • Rank: 22/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.687 • Rank: 8/63



VULNERABILITY (V) - very low
Score: 0.331 • Rank: 58/63



COPING CAPACITY (CC) - low
Score: 0.435 • Rank: 47/63



Population (2017)
1,767,185



Population in Poverty
3.5%



Illiterate population
1.8%



Access to improved water
99.7%



Average life expectancy
74.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 8 / 63 PROVINCES
SCORE: 0.687



MHE
0.687
Raw MHE
0.715
Relative MHE
0.776

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1764467



Flood
36.0%
635709



Wildfire
0.4%
7055



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1767185



Surge
0.0%
0



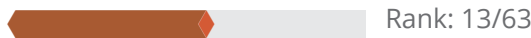
VULNERABILITY (V)

RANK: 58 / 63 PROVINCES
SCORE: 0.331

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



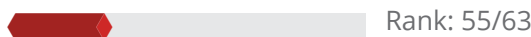
Environmental Stress



1.6% Forest Change
98.96 Livestock Density (per sq km)



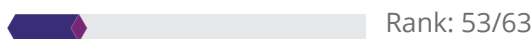
Vulnerable Health Status



74.4 Life Expectancy (years)
11.7 Infant Mortality Rate (per 1,000 live births)
4.7% Acute Malnutrition (Children <5)
27.7 Tuberculosis Incidence (per 100,000 persons)
1.59 Malaria Prevalance (per 100,000 persons)
184.2 HIV Prevalance (per 100,000 persons)



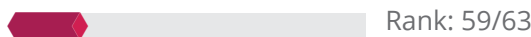
Clean Water Vulnerability



99.7% Households with Safe Water Access
76.2% Households with Hygienic Toilet Access



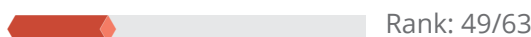
Information Access Vulnerability



1.8% Adult Illiteracy Rate
98.2% School Attendance Rate
83.0% Households without Internet
4.0% Housholds without TV



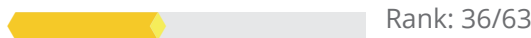
Economic Constraints



43.8 Economic Dependency Ratio
3.5% Poverty



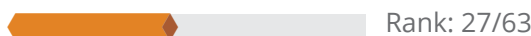
Gender Inequality



0.12 Income Inequality*
0.26 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
6.1% Average Annual Urban Population Change
1.0% Net Migration Rate



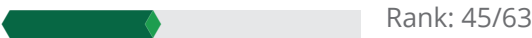
COPING CAPACITY (CC)

RANK: 47 / 63 PROVINCES
SCORE: 0.435

Hai Duong exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



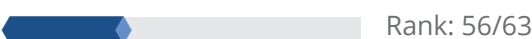
Rank: 45/63

6.32	4,417	21.32	6.17	7.67
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

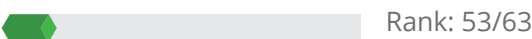


Rank: 56/63

5.63	5.46	5.45
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

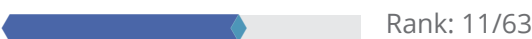


Rank: 53/63

1.0%
Protected Area



Infrastructure Capacity



Rank: 11/63



Health Care Capacity

Rank: 12/63

99.1%	30.23	6.24	15.68	8.3
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 22/63

2,848	16.43
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 45/63

80.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 22 / 63 PROVINCES
SCORE: 0.552

Hai Duong'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:



Environmental Stress



Population Pressures



Governance



Economic Capacity



MULTI-HAZARD RISK

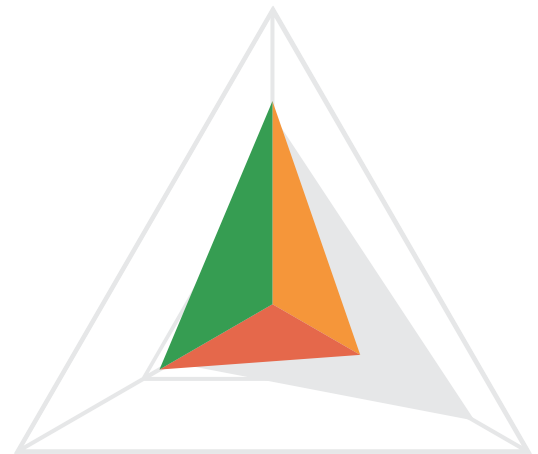
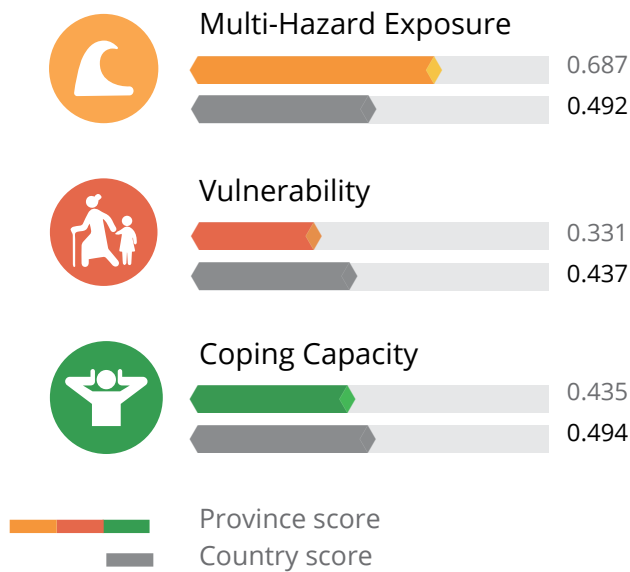
16 / 63

Rank within provinces
Score: 0.528



Hai Duong'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:





VIỆT NAM

HAI PHONG

NDPBA PROVINCE PROFILE

VIỆT NAM HAI PHONG

CAPITAL: HỒNG BÀNG DISTRICT

Area: 1,575 km²

Located at the mouth of the Cam River and a part of the Red River Delta, Hai Phong is the largest port city in northern Viet Nam and a major industrial city. Many larger manufactures such as LG, Bridgestone, Fuji, Xerox, Kyocera, and Vinfast are operating in the province's five largest industrial zones. With flat terrain a coastal location, agriculture and fisheries still play an important role in the province's economy. Hai Phong is also known for it's Cat Ba archipelago a part of the UNESCO World Biosphere Reserve.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.457 • Rank: 40/63



RESILIENCE (R) - very high
Score: 0.629 • Rank: 5/63



MULTI-HAZARD EXPOSURE - high
Score: 0.628 • Rank: 18/63



VULNERABILITY (V) - very low
Score: 0.3 • Rank: 61/63



COPING CAPACITY (CC) - very high
Score: 0.558 • Rank: 11/63



Population (2017)
2,038,579



Population in Poverty
2.9%



Illiterate population
1.8%



Access to improved water
99.8%



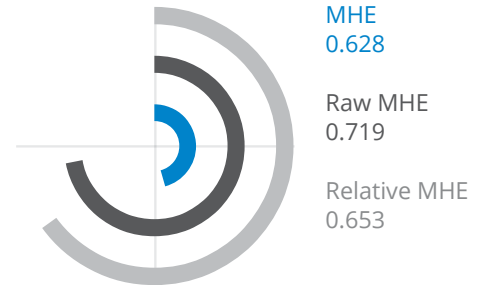
Average life expectancy
74.30 years

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

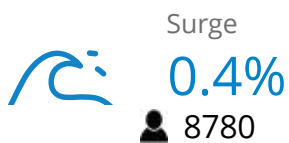
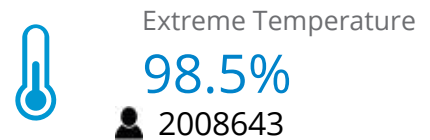
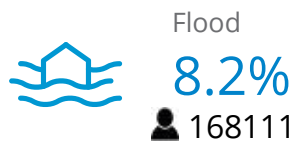


MULTI-HAZARD EXPOSURE

RANK: 18 / 63 PROVINCES
SCORE: 0.628



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





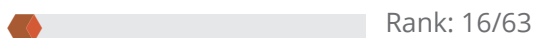
VULNERABILITY (V)

RANK: 61 / 63 PROVINCES
SCORE: 0.3

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



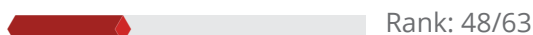
Environmental Stress



0.6% Forest Change
86.34 Livestock Density (per sq km)



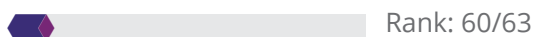
Vulnerable Health Status



74.3 Life Expectancy (years)
12 Infant Mortality Rate (per 1,000 live births)
5.4% Acute Malnutrition (Children <5)
34.4 Tuberculosis Incidence (per 100,000 persons)
3.19 Malaria Prevalance (per 100,000 persons)
374.2 HIV Prevalance (per 100,000 persons)



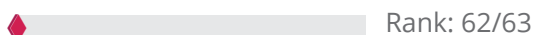
Clean Water Vulnerability



99.8% Households with Safe Water Access
88.2% Households with Hygienic Toilet Access



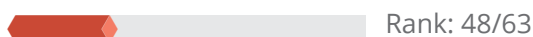
Information Access Vulnerability



1.8% Adult Illiteracy Rate
98.7% School Attendance Rate
71.0% Households without Internet
4.0% Housholds without TV



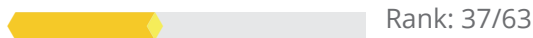
Economic Constraints



44.8 Economic Dependency Ratio
2.9% Poverty



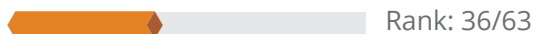
Gender Inequality



0.17 Income Inequality*
0.16 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.1% Average Annual Population Change
2.7% Average Annual Urban Population Change
1.4% Net Migration Rate



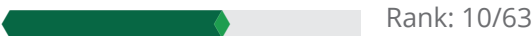
COPING CAPACITY (CC)

RANK: 11 / 63 PROVINCES
SCORE: 0.558

Hai Phong exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



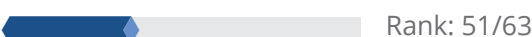
Rank: 10/63

5.71	4,868	39.35	6.74	7.94
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

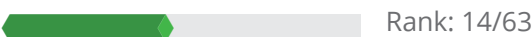


Rank: 51/63

5.48	6.02	5.73
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 14/63

16.1%
Protected Area



Infrastructure Capacity



Rank: 3/63



Health Care Capacity Rank: 7/63

97.9%	33.74	7.84	16.28	4.41
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 16/63

2,925	11.9
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 15/63

87.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 5 / 63 PROVINCES
SCORE: 0.629

Hai Phong's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Environmental Stress



Population Pressures



Governance



Economic Capacity



MULTI-HAZARD RISK

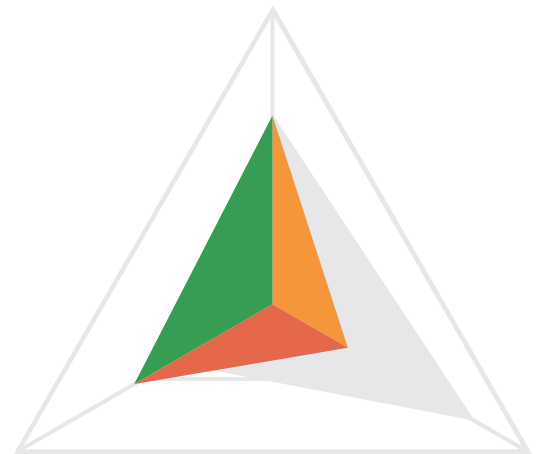
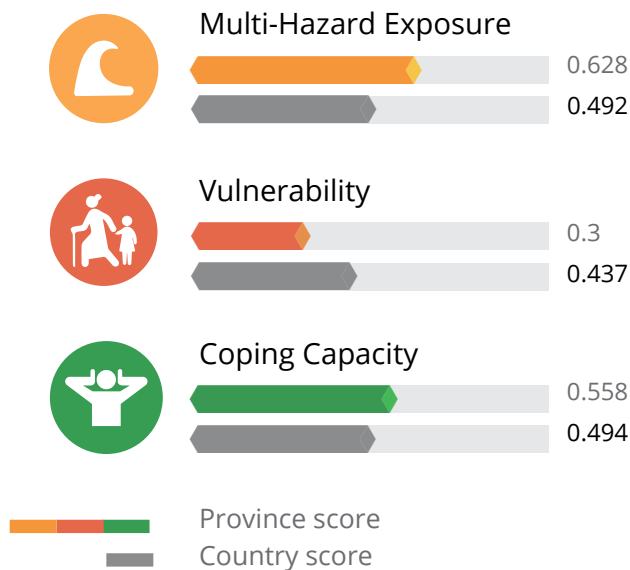
40 / 63

Rank within provinces
Score: 0.457



Hai Phong's score and ranking are due to high Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

HAU GIANG

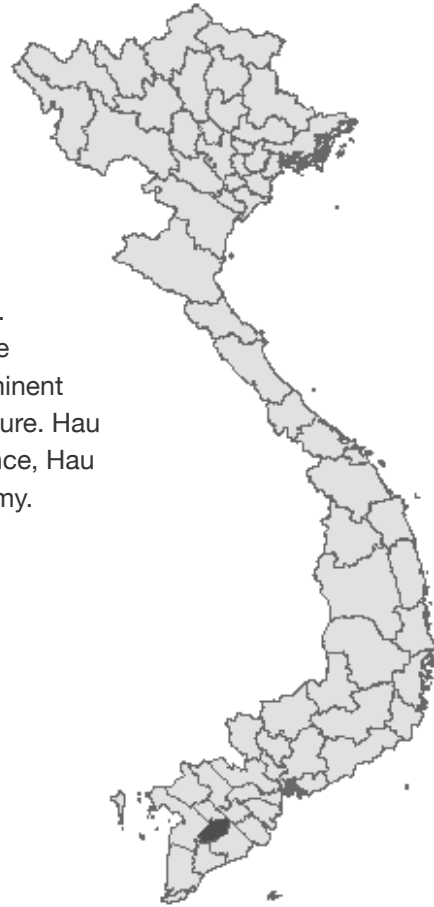
NDPBA PROVINCE PROFILE

VIỆT NAM HAU GIANG

CAPITAL: VỊ THANH

Area: 1,682 km²

Hau Giang province is located in the middle of the Mekong Delta. The province shares the same lowland topography features of the surrounding region with a complex river and canal network. Prominent provincial economic activities include rice, fruit tree and aquaculture. Hau Giang is also famous for floating markets. As a landlocked province, Hau Giang is facing difficulty in diversifying and developing its economy.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.478 • Rank: 32/63



RESILIENCE (R) - moderate
Score: 0.528 • Rank: 31/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.49 • Rank: 34/63



VULNERABILITY (V) - moderate
Score: 0.428 • Rank: 33/63



COPING CAPACITY (CC) - moderate
Score: 0.485 • Rank: 28/63



Population (2017)
824,882



Population in Poverty
9.9%



Illiterate population
5.7%



Access to improved water
87.0%



Average life expectancy
75.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 34 / 63 PROVINCES
SCORE: 0.49

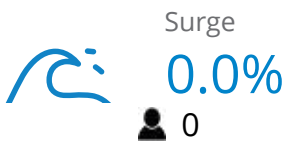
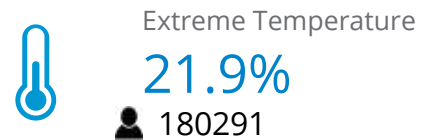
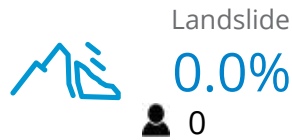
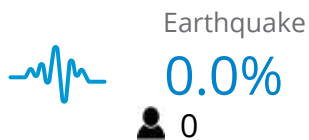
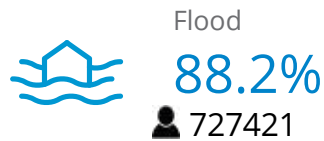
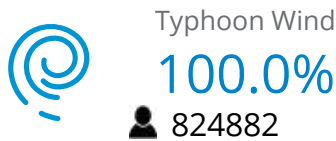


MHE
0.49

Raw MHE
0.446

Relative MHE
0.665

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





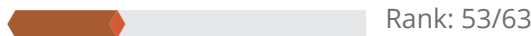
VULNERABILITY (V)

RANK: 33 / 63 PROVINCES
SCORE: 0.428

Vulnerability in Hau Giang is primarily driven by Clean Water Access Vulnerability and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



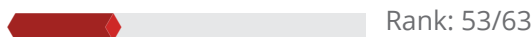
Environmental Stress



2.6% Forest Change
20.34 Livestock Density (per sq km)



Vulnerable Health Status



75.2 Life Expectancy (years)
10.1 Infant Mortality Rate (per 1,000 live births)
6.1% Acute Malnutrition (Children <5)
107.5 Tuberculosis Incidence (per 100,000 persons)
0.13 Malaria Prevalance (per 100,000 persons)
145.6 HIV Prevalance (per 100,000 persons)



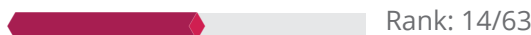
Clean Water Vulnerability



87.0% Households with Safe Water Access
44.6% Households with Hygienic Toilet Access



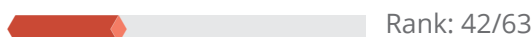
Information Access Vulnerability



5.7% Adult Illiteracy Rate
82.1% School Attendance Rate
92.0% Households without Internet
4.0% Housholds without TV



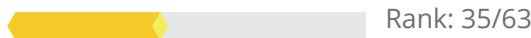
Economic Constraints



38.7 Economic Dependency Ratio
9.9% Poverty



Gender Inequality

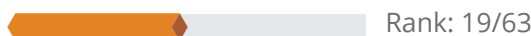


0.16 Income Inequality*
0.19 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
6.1% Average Annual Urban Population Change
4.2% Net Migration Rate



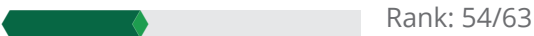
COPING CAPACITY (CC)

RANK: 28 / 63 PROVINCES
SCORE: 0.485

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



Economic Capacity



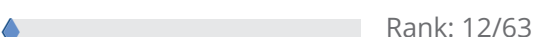
Rank: 54/63

7.89	3,579	36.18	5.53	7.91
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

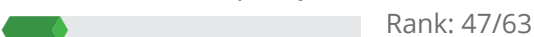


Rank: 12/63

6.14	6.09	6.11
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

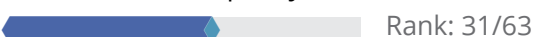


Rank: 47/63

1.7%
Protected Area



Infrastructure Capacity



Rank: 31/63



Health Care Capacity Rank: 27/63

97.3%	29	5.58	11.67	5.74
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 30/63

2,500	30.85
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 46/63

79.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 31 / 63 PROVINCES
SCORE: 0.528

Hau Giang's score and ranking are due to moderate Vulnerability combined with moderate Coping Capacity scores.

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



Clean Water Access Vulnerability



Information Access Vulnerability



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

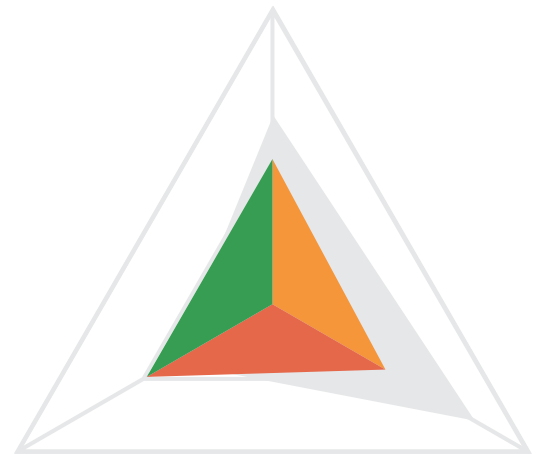
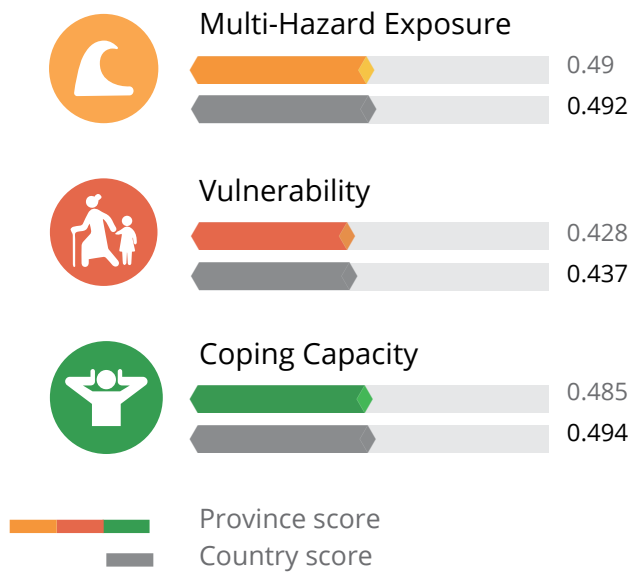
32 / 63

Rank within provinces
Score: 0.478



Hau Giang's score and ranking are due to moderate Multi-hazard exposure combined with moderate Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

HO CHI MINH CITY

NDPBA PROVINCE PROFILE

VIỆT NAM

HO CHI MINH CITY

CAPITAL: DISTRICT 1

Area: 2,033 km²

Located in the southeastern region of Viet Nam, Ho Chi Minh City (also known as former Saigon) is the most populous city in Viet Nam (about 8.4 million in 2017). The city is the economic center of Viet Nam, accounting for 20.2% of its GDP and 27.9% of its industrial output in 2005 and is the country's most vibrant and fast growing city. Ho Chi Minh city is now facing a number of modern metropolitan problems such as traffic congestion, pollution, and social problems. Located on the Saigon River and on the lowland near the sea, Ho Chi Minh City is vulnerable to severe flooding for heavy rains, tides, and uncontrolled housing development.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.39 • Rank: 58/63



RESILIENCE (R) - very high
Score: 0.696 • Rank: 2/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.561 • Rank: 27/63



VULNERABILITY (V) - very low
Score: 0.292 • Rank: 62/63



COPING CAPACITY (CC) - very high
Score: 0.684 • Rank: 2/63



Population (2017)
8,393,295



Population in Poverty
0.0%



Illiterate population
3.2%



Access to improved water
99.4%



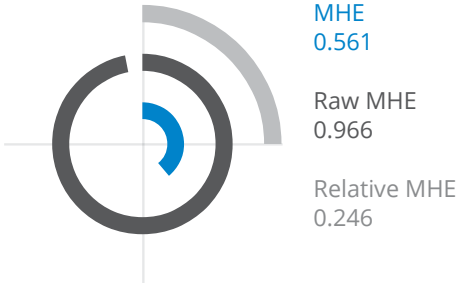
Average life expectancy
76.10 years

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




MULTI-HAZARD EXPOSURE


RANK: 27 / 63 PROVINCES
SCORE: 0.561





ESTIMATED POPULATION EXPOSED TO EACH HAZARD:


 Typhoon Wind
100.0%
8391178

 Flood
8.2%
691641

 Wildfire
1.2%
96771

 Earthquake
0.0%
0

 Landslide
0.0%
0

 Extreme Temperature
4.5%
381576

 Surge
0.0%
2982



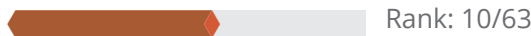
VULNERABILITY (V)

RANK: 62 / 63 PROVINCES
SCORE: 0.292

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



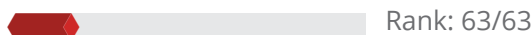
Environmental Stress



-2.9% Forest Change
78.63 Livestock Density (per sq km)



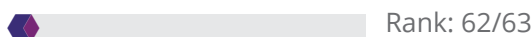
Vulnerable Health Status



76.1 Life Expectancy (years)
7.7 Infant Mortality Rate (per 1,000 live births)
2.6% Acute Malnutrition (Children <5)
88.2 Tuberculosis Incidence (per 100,000 persons)
0.71 Malaria Prevalance (per 100,000 persons)
685.4 HIV Prevalance (per 100,000 persons)



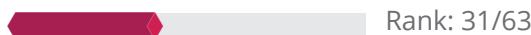
Clean Water Vulnerability



99.4% Households with Safe Water Access
99.3% Households with Hygienic Toilet Access



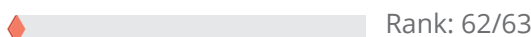
Information Access Vulnerability



3.2% Adult Illiteracy Rate
94.4% School Attendance Rate
96.0% Households without Internet
4.0% Housholds without TV



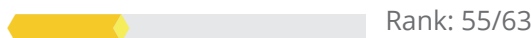
Economic Constraints



34.2 Economic Dependency Ratio
0.0% Poverty



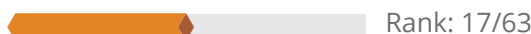
Gender Inequality



0.13 Income Inequality*
0.13 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



3.0% Average Annual Population Change
2.9% Average Annual Urban Population Change
1.6% Net Migration Rate



COPING CAPACITY (CC)

RANK: 2 / 63 PROVINCES
SCORE: 0.684

Ho Chi Minh City exhibits weaker Coping Capacity in the areas of Governance and Health Care Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

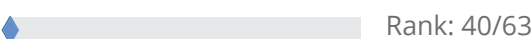


7.1	5,991	87.5	7.82	7.44
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



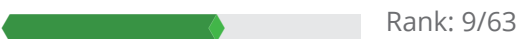
Governance



5.13	4.97	6.16
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



28.4%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 13/63

98.3%	35.58	5.96	13	6.13
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 1/63

14,158	11.29
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 3/63

92.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 2 / 63 PROVINCES
SCORE: 0.696

Ho Chi Minh City's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Environmental Stress



Population Pressures



Governance



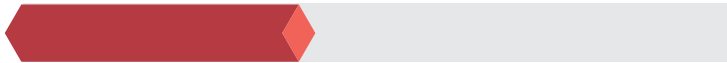
Health Care Capacity



MULTI-HAZARD RISK

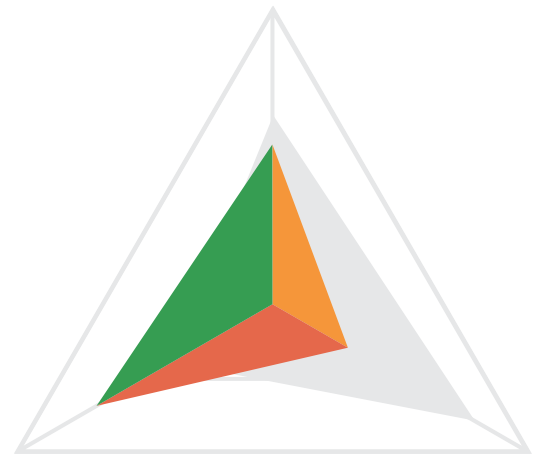
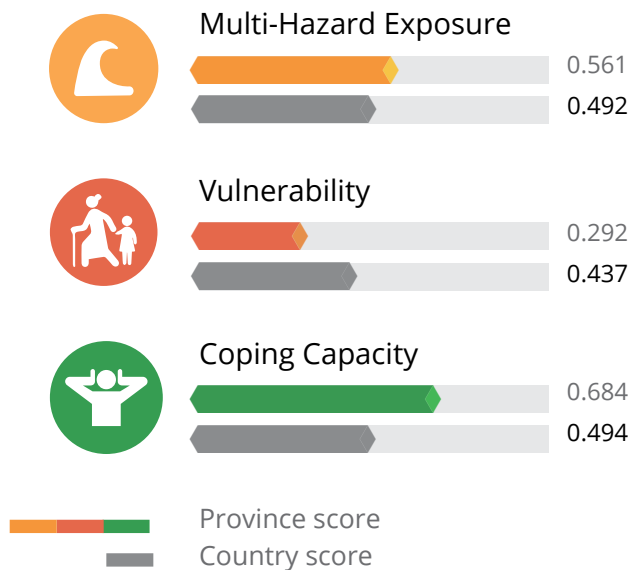
58 / 63

Rank within provinces
Score: 0.39



Ho Chi Minh City's score and ranking are due to moderate Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

HOA BINH

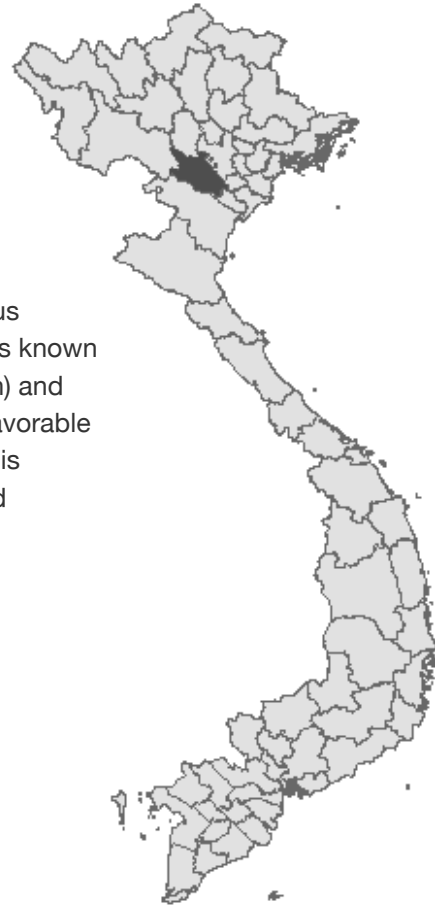
NDPBA PROVINCE PROFILE

VIỆT NAM HOA BINH

CAPITAL: HÒA BÌNH

Area: 5,071 km²

Neighboring Hanoi Capital to the west, Hoa Binh is a mountainous province located in the Northwest region of Viet Nam. Hoa Binh is known as the home to the Muong people (about 63% of total population) and other ethnic groups of Kinh, Thai, Dao, Tay, and Hmong. Given favorable natural conditions and cultural diversity, the province's economy is mostly based on agroforestry, specialized crops, ecotourism, and hydropower.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.521 • Rank: 18/63



RESILIENCE (R) - moderate
Score: 0.515 • Rank: 37/63



MULTI-HAZARD EXPOSURE - high
Score: 0.592 • Rank: 23/63



VULNERABILITY (V) - low
Score: 0.397 • Rank: 45/63



COPING CAPACITY (CC) - very low
Score: 0.427 • Rank: 54/63



Population (2017)
853,037



Population in Poverty
15.7%



Illiterate population
2.0%



Access to improved water
60.0%



Average life expectancy
72.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 23 / 63 PROVINCES
SCORE: 0.592

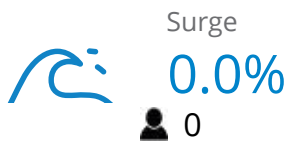
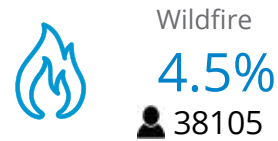
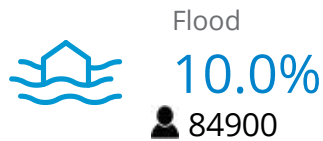


MHE
0.592

Raw MHE
0.497

Relative MHE
0.791

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





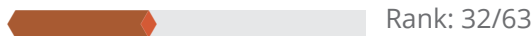
VULNERABILITY (V)

RANK: 45 / 63 PROVINCES
SCORE: 0.397

Vulnerability in Hoa Binh is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



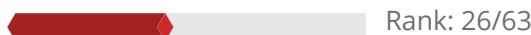
Environmental Stress



3.0% Forest Change
44.37 Livestock Density (per sq km)



Vulnerable Health Status



72.4 Life Expectancy (years)
17.4 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
29 Tuberculosis Incidence (per 100,000 persons)
100.81 Malaria Prevalance (per 100,000 persons)
164.1 HIV Prevalance (per 100,000 persons)



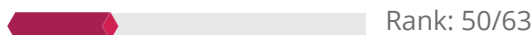
Clean Water Vulnerability



60.0% Households with Safe Water Access
42.6% Households with Hygienic Toilet Access



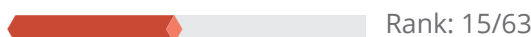
Information Access Vulnerability



2.0% Adult Illiteracy Rate
97.8% School Attendance Rate
89.0% Households without Internet
5.0% Housholds without TV



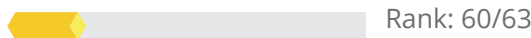
Economic Constraints



42.7 Economic Dependency Ratio
15.7% Poverty



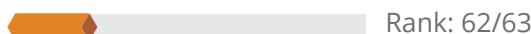
Gender Inequality



0.01 Income Inequality*
0.21 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.2% Average Annual Population Change
0.8% Average Annual Urban Population Change
1.1% Net Migration Rate



COPING CAPACITY (CC)

RANK: 54 / 63 PROVINCES
SCORE: 0.427

Hoa Binh exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

Rank: 60/63

5.1	4,138	12.14	5.94	7.6
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

Rank: 55/63

5.63	4.14	6.77
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

Rank: 20/63

12.3%
Protected Area



Infrastructure Capacity

Rank: 18/63



Health Care Capacity

Rank: 16/63

97.3%	33.89	7	14.35	9.28
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 42/63

2,003	46.56
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 23/63

86.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 37 / 63 PROVINCES
SCORE: 0.515

Ho Binh's score and ranking are due to low Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Economic Capacity



Governance



MULTI-HAZARD RISK

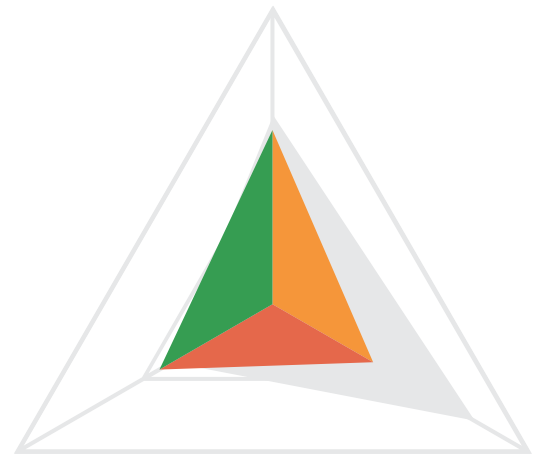
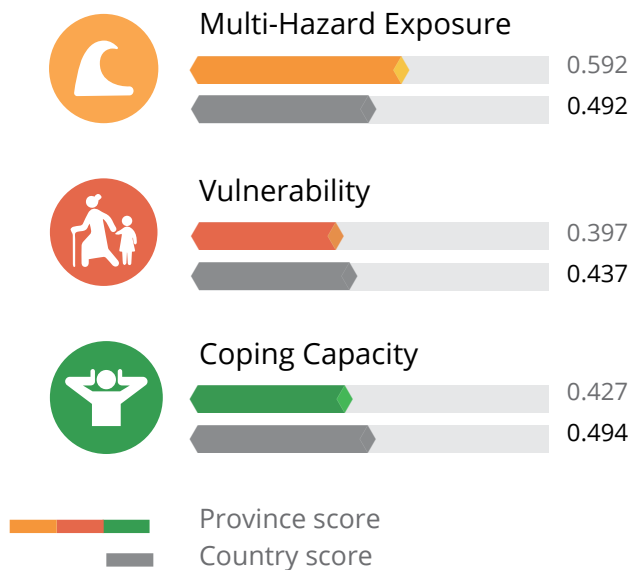
18 / 63

Rank within provinces
Score: 0.521



Ho Binh's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

HUNG YEN

NDPBA PROVINCE PROFILE

VIỆT NAM HUNG YEN

CAPITAL: HƯNG YÊN

Area: 1,069 km²

Neighboring Hanoi Capital to the southeast, Hung Yen province is located in the center of the Red River Delta. With delta topography features and plentiful water resource, the land is favorable for agriculture production. Hung Yen has been rapidly industrialized in recent years with 10 industrial parks in operation. With Hanoi expansion, the province is now rapidly developing new urban complexes and education institutions.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.552 • Rank: 9/63



RESILIENCE (R) - very low
Score: 0.47 • Rank: 53/63



MULTI-HAZARD EXPOSURE - high
Score: 0.595 • Rank: 22/63



VULNERABILITY (V) - low
Score: 0.405 • Rank: 40/63



COPING CAPACITY (CC) - very low
Score: 0.344 • Rank: 63/63



Population (2017)
1,203,304



Population in Poverty
3.5%



Illiterate population
5.2%



Access to improved water
99.9%



Average life expectancy
74.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 22 / 63 PROVINCES
SCORE: 0.595

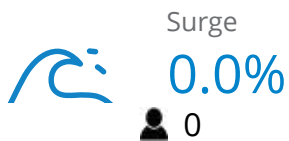
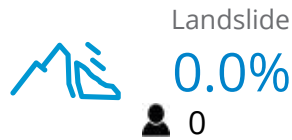
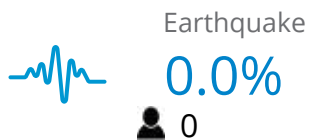
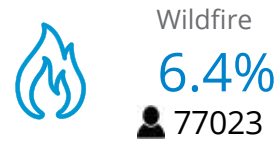
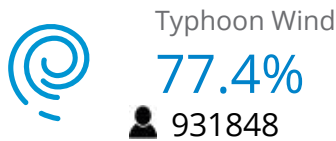


MHE
0.595

Raw MHE
0.575

Relative MHE
0.704

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 40 / 63 PROVINCES
SCORE: 0.405

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



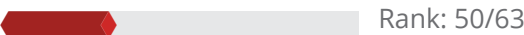
Environmental Stress



0.0% Forest Change
187.94 Livestock Density (per sq km)



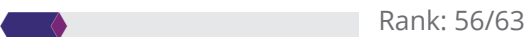
Vulnerable Health Status



74.2 Life Expectancy (years)
12.2 Infant Mortality Rate (per 1,000 live births)
6.5% Acute Malnutrition (Children <5)
34.9 Tuberculosis Incidence (per 100,000 persons)
0.26 Malaria Prevalance (per 100,000 persons)
93.3 HIV Prevalance (per 100,000 persons)



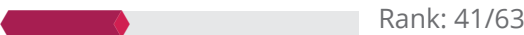
Clean Water Vulnerability



99.9% Households with Safe Water Access
78.6% Households with Hygienic Toilet Access



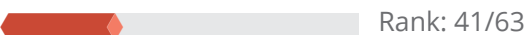
Information Access Vulnerability



5.2% Adult Illiteracy Rate
98.5% School Attendance Rate
87.0% Households without Internet
5.0% Housholds without TV



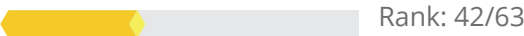
Economic Constraints



46.5 Economic Dependency Ratio
3.5% Poverty



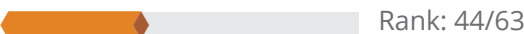
Gender Inequality



0.12 Income Inequality*
0.21 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
2.4% Average Annual Urban Population Change
3.3% Net Migration Rate



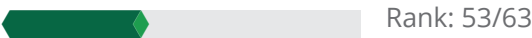
COPING CAPACITY (CC)

RANK: 63 / 63 PROVINCES
SCORE: 0.344

Hung Yen exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

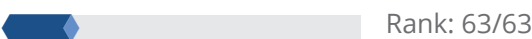


5.25	4,349	18.03	6.38	7.35
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



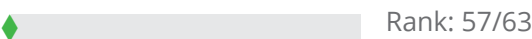
Governance



5.37	4.21	5.62
Law and Order*	Informal Charges*	Transparency*



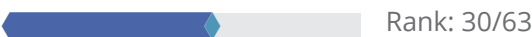
Environmental Capacity



0.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 21/63

97.8%	28.62	6.08	13.12	4.74
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 45/63

1,238	23.41
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 43/63

81.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 53 / 63 PROVINCES
SCORE: 0.47

Hung Yen's score and ranking are due to low Vulnerability combined with very low Coping Capacity scores.

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



Environmental Stress



Population Pressures



Governance



Economic Capacity



MULTI-HAZARD RISK

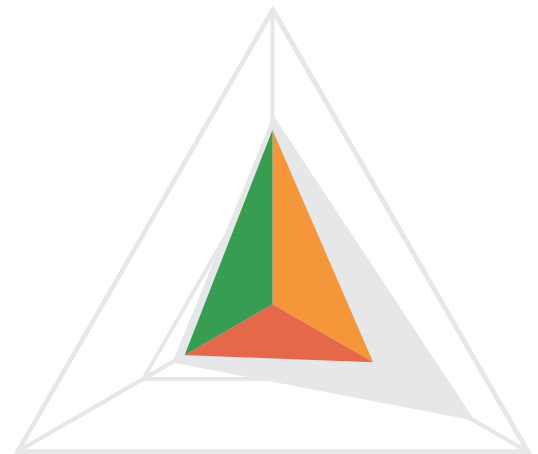
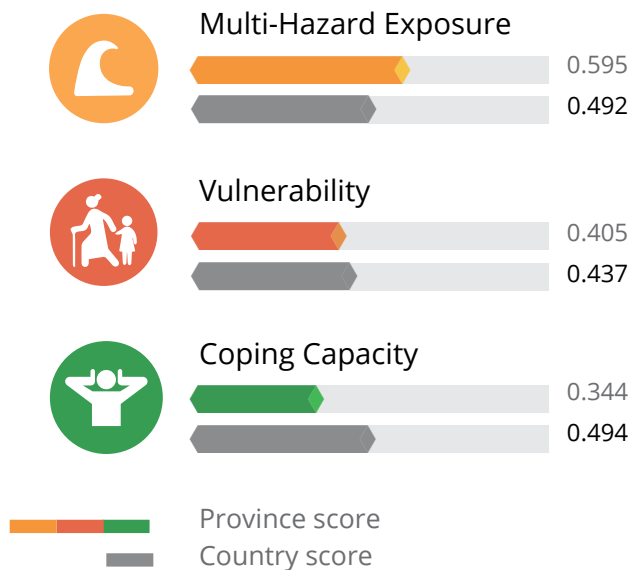


9 / 63

Rank within provinces
Score: 0.552

Hung Yen's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

KHANH HOA

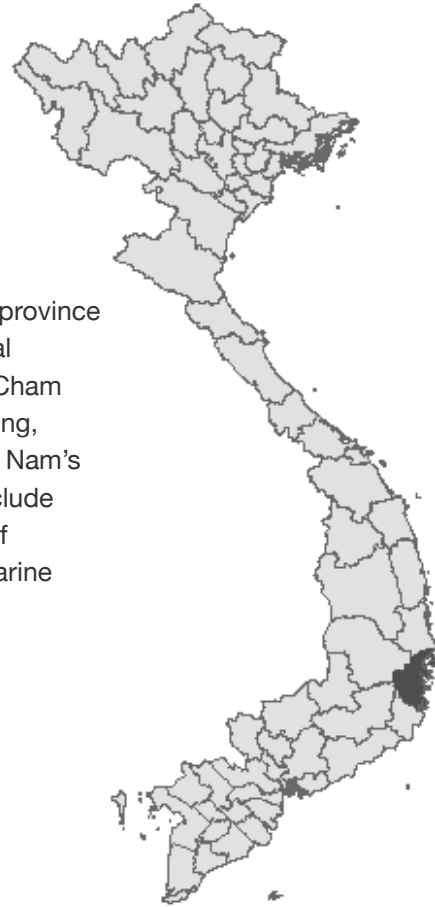
NDPBA PROVINCE PROFILE

VIỆT NAM KHANH HOA

CAPITAL: NHA TRANG

Area: 4,851 km²

Lying along the coastline of South Central Viet Nam, Khanh Hoa province is well-known for its tourism attractions including beautiful natural landscapes and sand beaches, along with historical sites of the Cham ancient culture. The most famous places are Nha Trang, Van Phong, and Cam Ranh bays, of which Van Phong is one of the three Viet Nam's Exclusive Economic Zones. Khanh Hoa's economic activities include agriculture, industry, and services. Tourism is an important part of the province's economy and Khanh Hoa also has a number of marine protection areas.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.425 • Rank: 49/63



RESILIENCE (R) - high
Score: 0.575 • Rank: 18/63



MULTI-HAZARD EXPOSURE - low
Score: 0.424 • Rank: 44/63



VULNERABILITY (V) - low
Score: 0.395 • Rank: 46/63



COPING CAPACITY (CC) - high
Score: 0.546 • Rank: 15/63



Population (2017)
1,263,412



Population in Poverty
5.0%



Illiterate population
8.7%



Access to improved water
91.8%



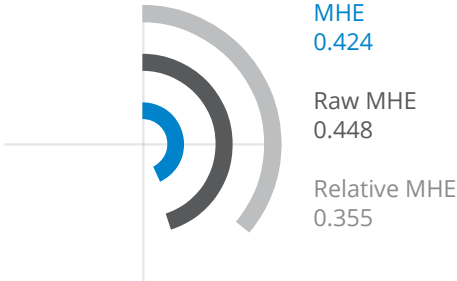
Average life expectancy
73.50 years

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



MULTI-HAZARD EXPOSURE

RANK: 44 / 63 PROVINCES
SCORE: 0.424



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:

Typhoon Wind
100.0%
1260273

Flood
17.3%
217989

Wildfire
26.9%
339805

Earthquake
0.0%
0

Landslide
0.0%
0

Extreme Temperature
20.1%
254174

Surge
1.1%
13430



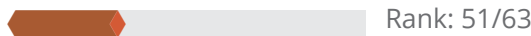
VULNERABILITY (V)

RANK: 46 / 63 PROVINCES
SCORE: 0.395

Vulnerability in Khanh Hoa is primarily driven by Gender Inequality and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



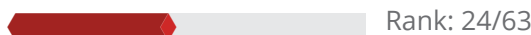
Environmental Stress



1.1% Forest Change
16.33 Livestock Density (per sq km)



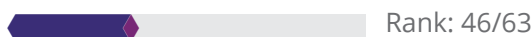
Vulnerable Health Status



73.5 Life Expectancy (years)
14 Infant Mortality Rate (per 1,000 live births)
7.0% Acute Malnutrition (Children <5)
66.7 Tuberculosis Incidence (per 100,000 persons)
101.43 Malaria Prevalance (per 100,000 persons)
191.7 HIV Prevalance (per 100,000 persons)



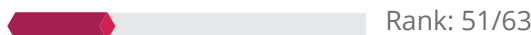
Clean Water Vulnerability



91.8% Households with Safe Water Access
87.8% Households with Hygienic Toilet Access



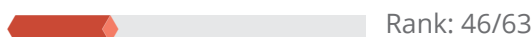
Information Access Vulnerability



8.7% Adult Illiteracy Rate
93.9% School Attendance Rate
75.0% Households without Internet
3.0% Housholds without TV



Economic Constraints



42.6 Economic Dependency Ratio
5.0% Poverty



Gender Inequality

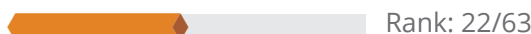


0.17 Income Inequality*
0.43 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



0.8% Average Annual Population Change
2.7% Average Annual Urban Population Change
7.9% Net Migration Rate



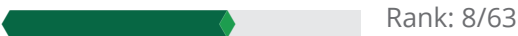
COPING CAPACITY (CC)

RANK: 15 / 63 PROVINCES
SCORE: 0.546

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



Economic Capacity



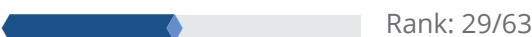
Rank: 8/63

6.23	4,144	51.38	6.9	8.05
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

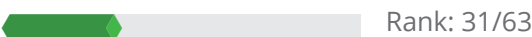


Rank: 29/63

5.46	5.6	6.66
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

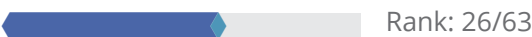


Rank: 31/63

7.2%
Protected Area



Infrastructure Capacity



Rank: 26/63



Health Care Capacity

Rank: 42/63

97.4%	27.43	5.16	14.21	21.21
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 20/63

3,749	29.58
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 26/63

85.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 18 / 63 PROVINCES
SCORE: 0.575

Khanh Hoa's score and ranking are due to low Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Population Pressures



Governance



Health Care Capacity



MULTI-HAZARD RISK

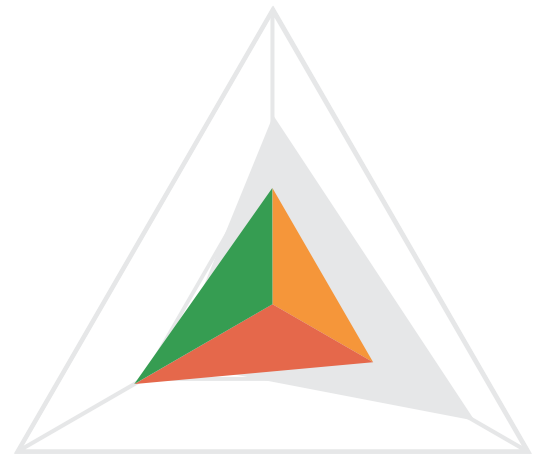
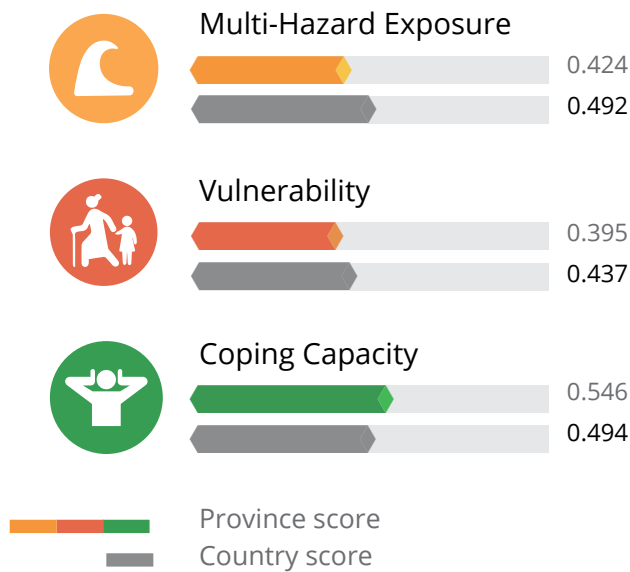
49 / 63

Rank within provinces
Score: 0.425



Khanh Hoa's score and ranking are due to low Multi-hazard exposure combined with low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

KIEN GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM KIEN GIANG

CAPITAL: RẠCH GIÁ

Area: 6,524 km²

Kien Giang is a coastal province located in the west of the Mekong Delta sharing a border with Cambodia to the northwest and facing the Gulf of Thailand in the southwest. Covered mostly by agricultural land and long coastline, fishing, aquaculture, and rice production are leading economic activities of Kien Giang. Among all the province's attractive landscapes, Phu Quoc island is particularly famous for tourism and the traditional high-quality fish sauce. Recently, Phu Quoc became one of the three Viet Nam's Exclusive Economic Zones.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.42 • Rank: 51/63



RESILIENCE (R) - high
Score: 0.588 • Rank: 14/63



MULTI-HAZARD EXPOSURE - low
Score: 0.435 • Rank: 42/63



VULNERABILITY (V) - high
Score: 0.466 • Rank: 17/63



COPING CAPACITY (CC) - very high
Score: 0.641 • Rank: 5/63



Population (2017)
1,819,127



Population in Poverty
3.6%



Illiterate population
12.1%



Access to improved water
91.9%



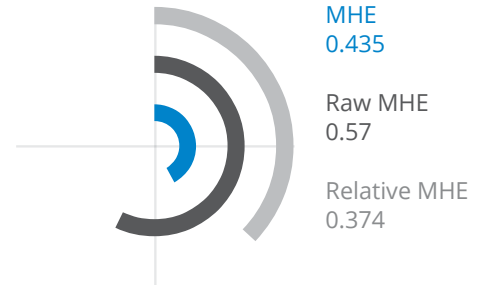
Average life expectancy
74.20 years

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

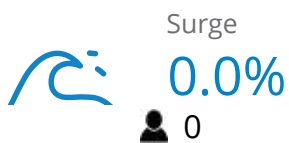
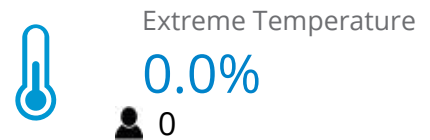
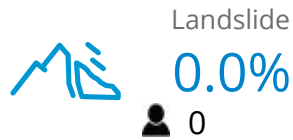
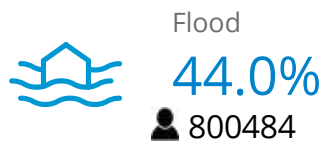


MULTI-HAZARD EXPOSURE

RANK: 42 / 63 PROVINCES
SCORE: 0.435



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

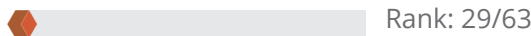
RANK: 17 / 63 PROVINCES

SCORE: 0.466

Vulnerability in Kien Giang is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



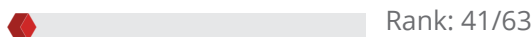
Environmental Stress



-5.9% Forest Change
15.07 Livestock Density (per sq km)



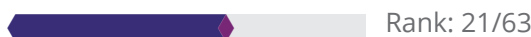
Vulnerable Health Status



74.2 Life Expectancy (years)
12.6 Infant Mortality Rate (per 1,000 live births)
6.7% Acute Malnutrition (Children <5)
94.1 Tuberculosis Incidence (per 100,000 persons)
0.63 Malaria Prevalance (per 100,000 persons)
196.9 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



91.9% Households with Safe Water Access
48.4% Households with Hygienic Toilet Access



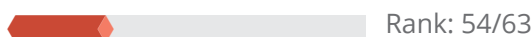
Information Access Vulnerability



12.1% Adult Illiteracy Rate
77.4% School Attendance Rate
90.0% Households without Internet
8.0% Housholds without TV



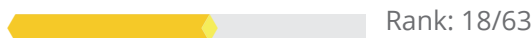
Economic Constraints



43.3 Economic Dependency Ratio
3.6% Poverty



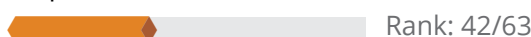
Gender Inequality



0.24 Income Inequality*
0.2 F M School Enrollment Rate*
 *Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
2.1% Average Annual Urban Population Change
2.0% Net Migration Rate



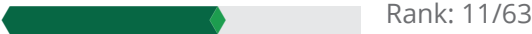
COPING CAPACITY (CC)

RANK: 5 / 63 PROVINCES
SCORE: 0.641

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



Economic Capacity



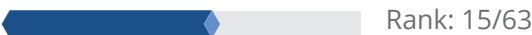
Rank: 11/63

7.56	4,130	35.97	7.1	8.39
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance



Rank: 15/63

6.15	6.85	5.78
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 2/63

49.8%
Protected Area



Infrastructure Capacity



Rank: 9/63



Health Care Capacity Rank: 26/63

97.6%	28.37	5.76	13.69	11.07
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 10/63

4,749	21.05
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 13/63

88.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 14 / 63 PROVINCES
SCORE: 0.588

Kien Giang's score and ranking are due to high Vulnerability combined with very high Coping Capacity scores.

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



Information Access Vulnerability



Clean Water Access Vulnerability



Health Care Capacity



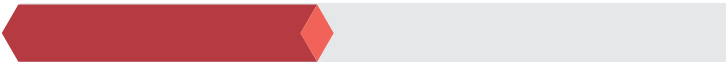
Governance



MULTI-HAZARD RISK

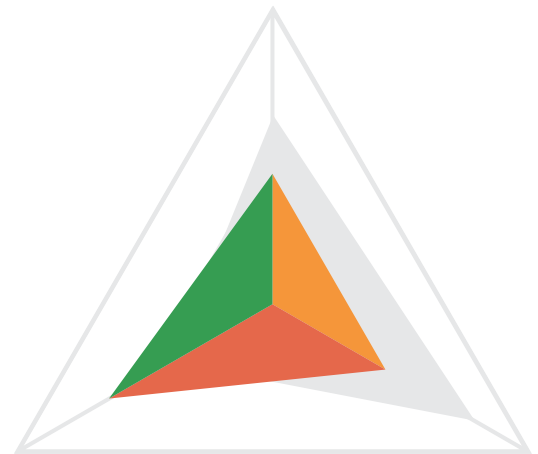
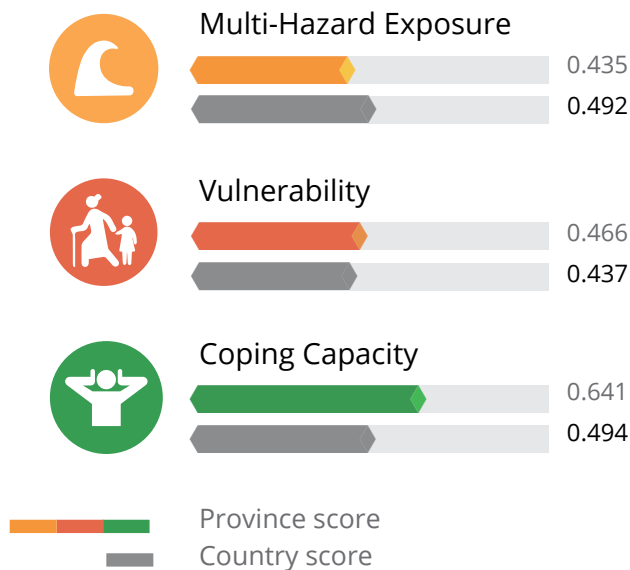
51 / 63

Rank within provinces
Score: 0.42



Kien Giang's score and ranking are due to low Multi-hazard exposure combined with high Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

KON TUM

NDPBA PROVINCE PROFILE

VIỆT NAM KON TUM

CAPITAL: KON TUM

Area: 8,718 km²

As the northern-most province of the Viet Nam's Central Highland, Kon Tum shares borders with Laos and Cambodia. With more than 50% forest cover and interleaved terrain of mountains and plateau, the province's economy is based on forest products and agriculture. Kon Tum is known for its diversified indigenous culture of Ba Na, Brau, Gie Trieng, Jarai, Ro Mam and, Xo Dang ethnic groups, valuable plants (e.g., Ngoc Linh ginseng) and plentiful birds species.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.592 • Rank: 4/63



RESILIENCE (R) - very low
Score: 0.391 • Rank: 61/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.559 • Rank: 28/63



VULNERABILITY (V) - very high
Score: 0.633 • Rank: 4/63



COPING CAPACITY (CC) - very low
Score: 0.414 • Rank: 56/63



Population (2017)
525,874



Population in Poverty
16.5%



Illiterate population
40.8%



Access to improved water
69.7%



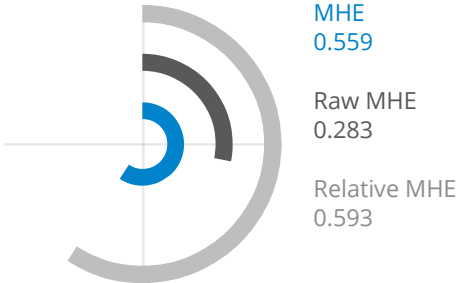
Average life expectancy
66.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 28 / 63 PROVINCES
SCORE: 0.559



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
525842



Flood
14.9%
78476



Wildfire
66.8%
351211



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
78.6%
413233



Surge
0.0%
0



VULNERABILITY (V)

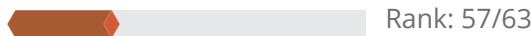
RANK: 4 / 63 PROVINCES

SCORE: 0.633

Vulnerability in Kon Tum is primarily driven by Vulnerable Health Status and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



-1.0% Forest Change
8.96 Livestock Density (per sq km)



Vulnerable Health Status



66 Life Expectancy (years)
38.1 Infant Mortality Rate (per 1,000 live births)
7.6% Acute Malnutrition (Children <5)
44.7 Tuberculosis Incidence (per 100,000 persons)
148.03 Malaria Prevalance (per 100,000 persons)
51.5 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



69.7% Households with Safe Water Access
53.2% Households with Hygienic Toilet Access



Information Access Vulnerability



40.8% Adult Illiteracy Rate
85.5% School Attendance Rate
86.0% Households without Internet
12.0% Housholds without TV



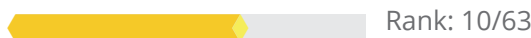
Economic Constraints



58.5 Economic Dependency Ratio
16.5% Poverty



Gender Inequality



0.1 Income Inequality*
0.52 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



2.9% Average Annual Population Change
3.8% Average Annual Urban Population Change
15.1% Net Migration Rate



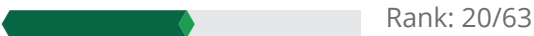
COPING CAPACITY (CC)

RANK: 56 / 63 PROVINCES
SCORE: 0.414

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



Economic Capacity

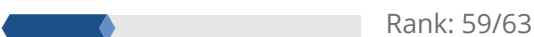


5.55	5,076	23.92	6.32	7.79
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



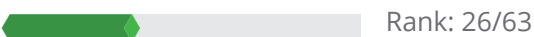
Governance



5.05	4.46	6.33
Law and Order*	Informal Charges*	Transparency*



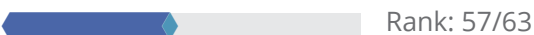
Environmental Capacity



9.9%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 14/63

95.9%	37.9	9.38	20.4	23.25
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 60/63

2,613	142.43
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 61/63

68.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 61 / 63 PROVINCES
SCORE: 0.391

Kon Tum's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Vulnerable Health Status



Clean Water Access Vulnerability



Transportation Capacity



Governance



MULTI-HAZARD RISK

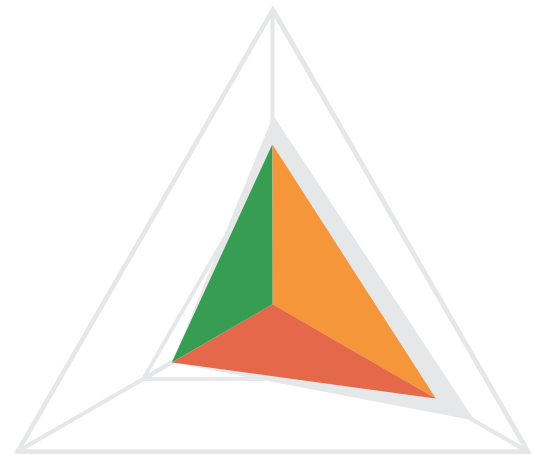
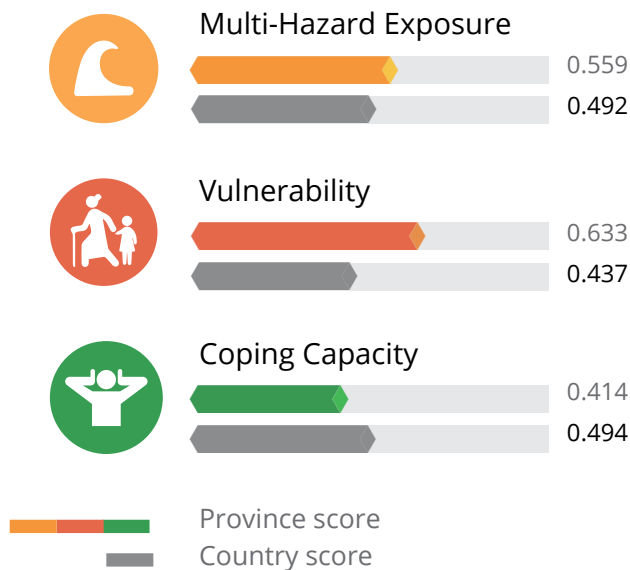
4 / 63

Rank within provinces
Score: 0.592



Kon Tum's score and ranking are due to moderate Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





ni / Shutterstock

VIỆT NAM

LAI CHAU

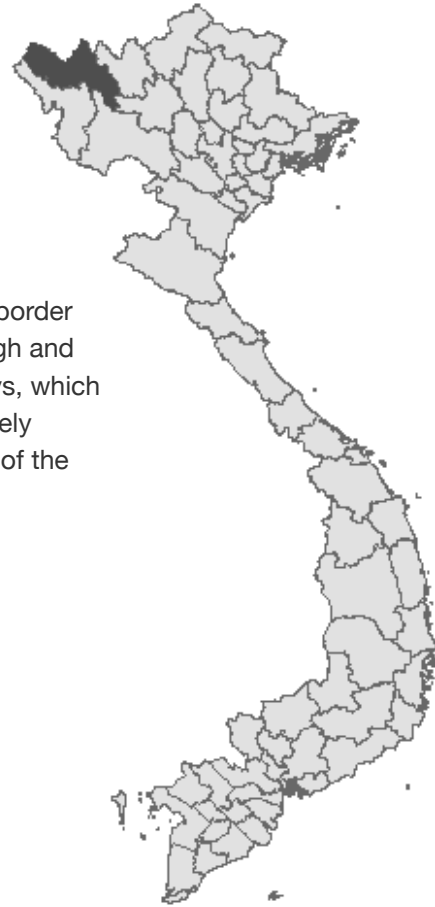
NDPBA PROVINCE PROFILE

VIỆT NAM LAI CHAU

CAPITAL: LAI CHÂU

Area: 10,636 km²

Located in the Northwest region of Viet Nam, Lai Chau shares a border with China to the north. The province's terrain is comprised of high and steep mountains and hills alternated with deep and narrow valleys, which are prone to frequent flash flood and landslide. Lai Chau is sparsely populated with Tai, Hmong, Kinh, Giay, and Dao people and one of the poorest provinces of the country.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.567 • Rank: 6/63



RESILIENCE (R) - very low
Score: 0.348 • Rank: 63/63



MULTI-HAZARD EXPOSURE - low
Score: 0.396 • Rank: 46/63



VULNERABILITY (V) - very high
Score: 0.667 • Rank: 1/63



COPING CAPACITY (CC) - very low
Score: 0.362 • Rank: 61/63



Population (2017)
426,354



Population in Poverty
31.5%



Illiterate population
7.4%



Access to improved water
22.6%



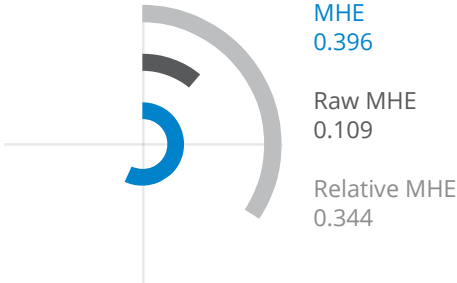
Average life expectancy
65.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 46 / 63 PROVINCES
SCORE: 0.396



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
11.7%
49905



Wildfire
78.9%
336485



Earthquake
93.0%
396700



Landslide
9.8%
41572



Extreme Temperature
21.0%
89601



Surge
0.0%
0



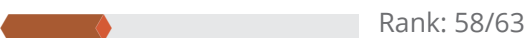
VULNERABILITY (V)

RANK: 1 / 63 PROVINCES
SCORE: 0.667

Vulnerability in Lai Chau is primarily driven by Economic Constraints and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



1.3% Forest Change
13.44 Livestock Density (per sq km)



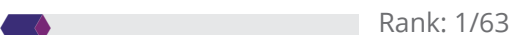
Vulnerable Health Status



65.1 Life Expectancy (years)
41.9 Infant Mortality Rate (per 1,000 live births)
6.9% Acute Malnutrition (Children <5)
21.2 Tuberculosis Incidence (per 100,000 persons)
174.81 Malaria Prevalance (per 100,000 persons)
512.4 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



22.6% Households with Safe Water Access
30.0% Households with Hygienic Toilet Access



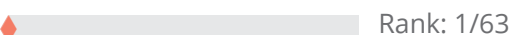
Information Access Vulnerability



7.4% Adult Illiteracy Rate
74.1% School Attendance Rate
91.0% Households without Internet
29.0% Housholds without TV



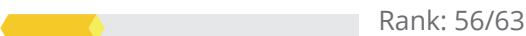
Economic Constraints



65.7 Economic Dependency Ratio
31.5% Poverty



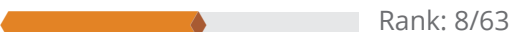
Gender Inequality



0.07 Income Inequality*
0.17 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.9% Average Annual Population Change
5.8% Average Annual Urban Population Change
1.4% Net Migration Rate



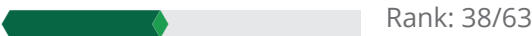
COPING CAPACITY (CC)

RANK: 61 / 63 PROVINCES
SCORE: 0.362

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



Economic Capacity

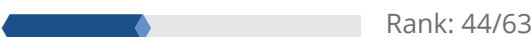


5.71	4,860	8.08	6.28	8.04
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



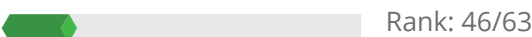
Governance



6.82	4.12	6.16
Law and Order*	Informal Charges*	Transparency*



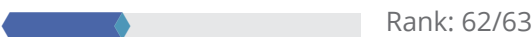
Environmental Capacity



2.3%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 23/63

93.3%	36.99	7.85	23.74	18.75
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 63/63

949	167.14
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 62/63

62.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 63 / 63 PROVINCES
SCORE: 0.348

Lai Chau's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Economic Constraints



Clean Water Access Vulnerability



Transportation Capacity



Communications Capacity



MULTI-HAZARD RISK

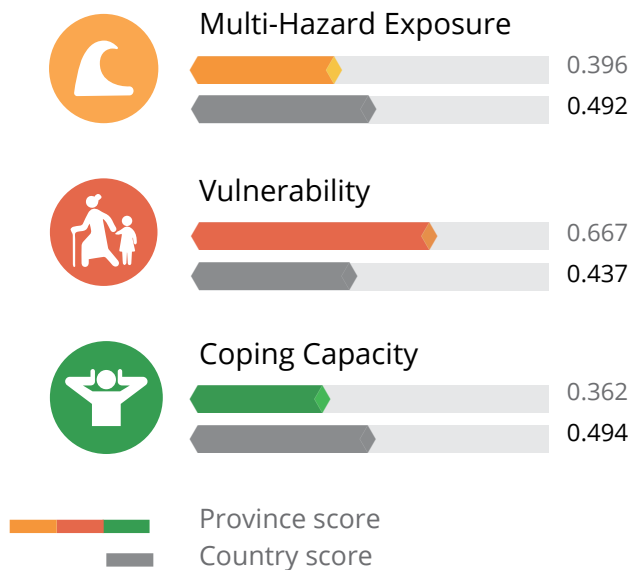
6 / 63

Rank within provinces
Score: 0.567



Lai Chau's score and ranking are due to low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

LAM DONG

NDPBA PROVINCE PROFILE

VIỆT NAM LAM DONG

CAPITAL: ĐÀ LẠT

Area: 10,279 km²

As the southern-most province of the Viet Nam's Central Highland, Lam Dong is a popular tourism destination for its abundant natural landscapes and cool weather all year round. The province also has deeply-rooted culture of indigenous people such as Co Ho, Ma, and Chu Ru ethnic groups. Da Lat, the capital city of the province, is attracting more than three million tourists each year. Besides tourism, the provincial economy is also based on hydropower generation and agriculture plantation. Main products include tea, coffee, and vegetables. Lam Dong is well known for high-tech agriculture.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.384 • Rank: 59/63



RESILIENCE (R) - very high
Score: 0.588 • Rank: 13/63



MULTI-HAZARD EXPOSURE - low
Score: 0.328 • Rank: 50/63



VULNERABILITY (V) - low
Score: 0.379 • Rank: 49/63



COPING CAPACITY (CC) - very high
Score: 0.555 • Rank: 12/63



Population (2017)
1,363,189



Population in Poverty
6.0%



Illiterate population
3.3%



Access to improved water
84.1%



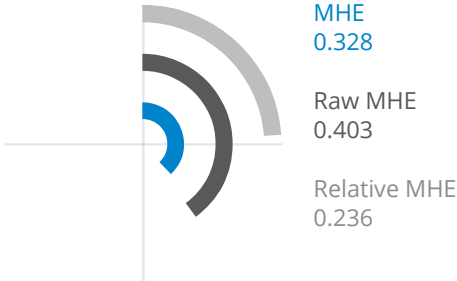
Average life expectancy
72.60 years

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




MULTI-HAZARD EXPOSURE

RANK: 50 / 63 PROVINCES
SCORE: 0.328




ESTIMATED POPULATION EXPOSED TO EACH HAZARD:


 Typhoon Wind
100.0%
1363189


 Flood
10.5%
143780

 Wildfire
20.7%
282274

 Earthquake
0.0%
0

 Landslide
0.0%
0

 Extreme Temperature
0.0%
0

 Surge
0.0%
0



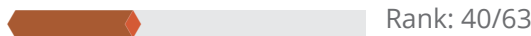
VULNERABILITY (V)

RANK: 49 / 63 PROVINCES
SCORE: 0.379

Vulnerability in Lam Dong is primarily driven by Clean Water Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



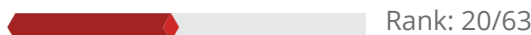
Environmental Stress



-2.3% Forest Change
15.53 Livestock Density (per sq km)



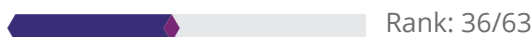
Vulnerable Health Status



72.6 Life Expectancy (years)
16.3 Infant Mortality Rate (per 1,000 live births)
7.7% Acute Malnutrition (Children <5)
22.7 Tuberculosis Incidence (per 100,000 persons)
38.07 Malaria Prevalance (per 100,000 persons)
111.6 HIV Prevalance (per 100,000 persons)



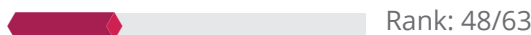
Clean Water Vulnerability



84.1% Households with Safe Water Access
80.8% Households with Hygienic Toilet Access



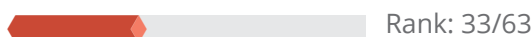
Information Access Vulnerability



3.3% Adult Illiteracy Rate
90.2% School Attendance Rate
76.0% Households without Internet
5.0% Housholds without TV



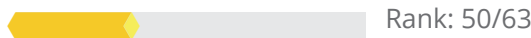
Economic Constraints



46.9 Economic Dependency Ratio
6.0% Poverty



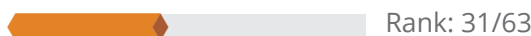
Gender Inequality



0.02 Income Inequality*
0.34 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.3% Average Annual Population Change
1.6% Average Annual Urban Population Change
2.9% Net Migration Rate



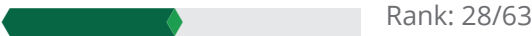
COPING CAPACITY (CC)

RANK: 12 / 63 PROVINCES
SCORE: 0.555

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



Economic Capacity

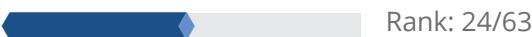


6.56	4,611	25.96	6.62	7.51
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



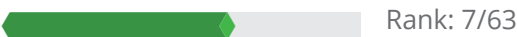
Governance



6.03	5.16	6.65
Law and Order*	Informal Charges*	Transparency*



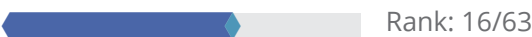
Environmental Capacity



31.4%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 37/63

98.7%	23.98	6.09	13.17	23.08
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 8/63

6,630	33.91
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 22/63

86.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 13 / 63 PROVINCES
SCORE: 0.588

Lam Dong's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Clean Water Access Vulnerability



Vulnerable Health Status



Economic Capacity



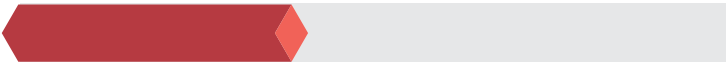
Health Care Capacity



MULTI-HAZARD RISK

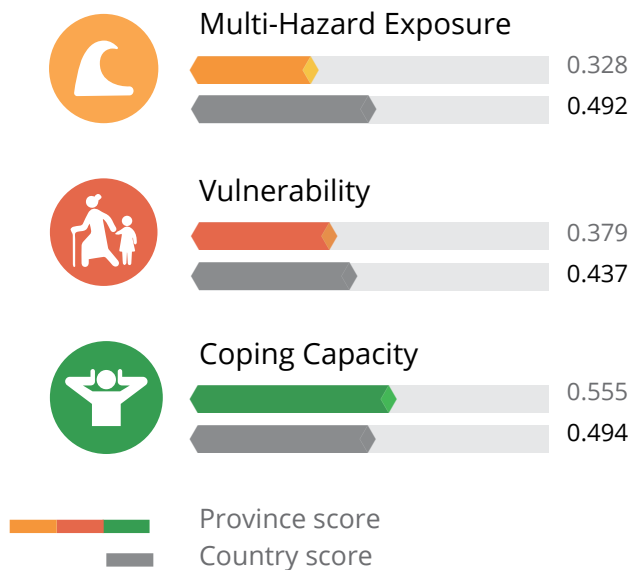
59 / 63

Rank within provinces
Score: 0.384



Lam Dong's score and ranking are due to low Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

LANG SON

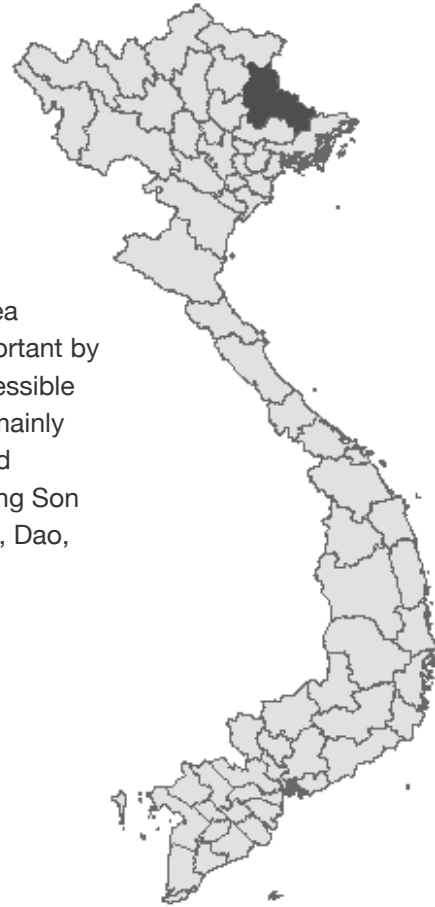
NDPBA PROVINCE PROFILE

VIỆT NAM LANG SON

CAPITAL: LẠNG SƠN

Area: 9,723 km²

Located in the Northeast region of Viet Nam and 80% of total area covered by mountains and forests, Lang Son is strategically important by sharing two international border gates with China and being accessible by highway and rail to Hanoi capital. The provincial economy is mainly based on international trade (with China), service, agriculture, and forestry, and in recent years is mineral resources exploitation. Lang Son is the home to seven main ethnic groups namely Nung, Tay, Kinh, Dao, Hoa, San Chay, and Hmong people.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.44 • Rank: 45/63



RESILIENCE (R) - very low
Score: 0.458 • Rank: 54/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.235 • Rank: 59/63



VULNERABILITY (V) - very high
Score: 0.486 • Rank: 13/63



COPING CAPACITY (CC) - very low
Score: 0.403 • Rank: 59/63



Population (2017)
785,291



Population in Poverty
16.2%



Illiterate population
16.7%



Access to improved water
55.8%



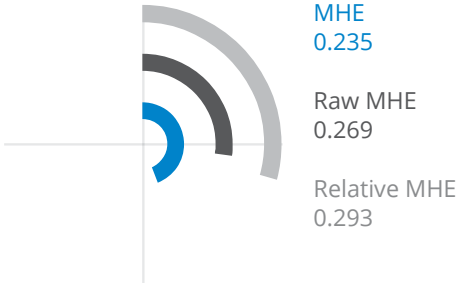
Average life expectancy
71.90 years

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



MULTI-HAZARD EXPOSURE

RANK: 59 / 63 PROVINCES
SCORE: 0.235



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
5.8%
45425



Flood
16.6%
129969



Wildfire
6.3%
49467



Earthquake
0.0%
0



Landslide
1.5%
11457



Extreme Temperature
100.0%
785291



Surge
0.0%
0



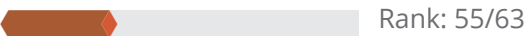
VULNERABILITY (V)

RANK: 13 / 63 PROVINCES
SCORE: 0.486

Vulnerability in Lang Son is primarily driven by Clean Water Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



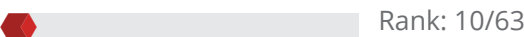
Environmental Stress



3.5% Forest Change
22.65 Livestock Density (per sq km)



Vulnerable Health Status



71.9 Life Expectancy (years)
18.3 Infant Mortality Rate (per 1,000 live births)
10.4% Acute Malnutrition (Children <5)
47.5 Tuberculosis Incidence (per 100,000 persons)
20.98 Malaria Prevalance (per 100,000 persons)
220.4 HIV Prevalance (per 100,000 persons)



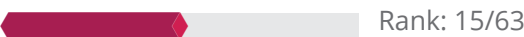
Clean Water Vulnerability



55.8% Households with Safe Water Access
34.8% Households with Hygienic Toilet Access



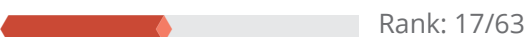
Information Access Vulnerability



16.7% Adult Illiteracy Rate
96.4% School Attendance Rate
88.0% Households without Internet
8.0% Housholds without TV



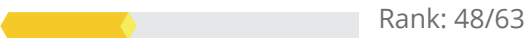
Economic Constraints



41.6 Economic Dependency Ratio
16.2% Poverty



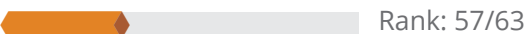
Gender Inequality



0.03 Income Inequality*
0.34 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
0.9% Average Annual Urban Population Change
2.9% Net Migration Rate



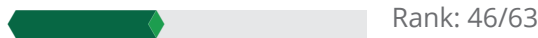
COPING CAPACITY (CC)

RANK: 59 / 63 PROVINCES
SCORE: 0.403

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



Economic Capacity



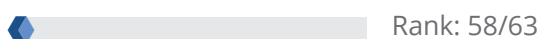
Rank: 46/63

5.96	4,703	19.29	6.72	6.92
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

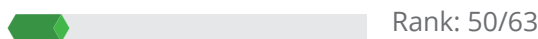


Rank: 58/63

5.36	4.48	6.13
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

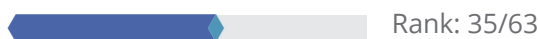


Rank: 50/63

1.4%
Protected Area



Infrastructure Capacity



Rank: 35/63



Health Care Capacity Rank: 8/63

98.4%	34.01	8.72	16.78	14.65
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 55/63

1,727	85.42
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 48/63

79.5%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 54 / 63 PROVINCES
SCORE: 0.458

Lang Son's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water Access Vulnerability



Vulnerable Health Status



Governance



Transportation Capacity



MULTI-HAZARD RISK

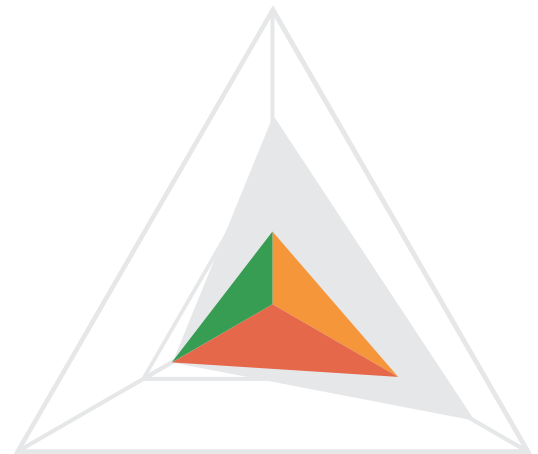
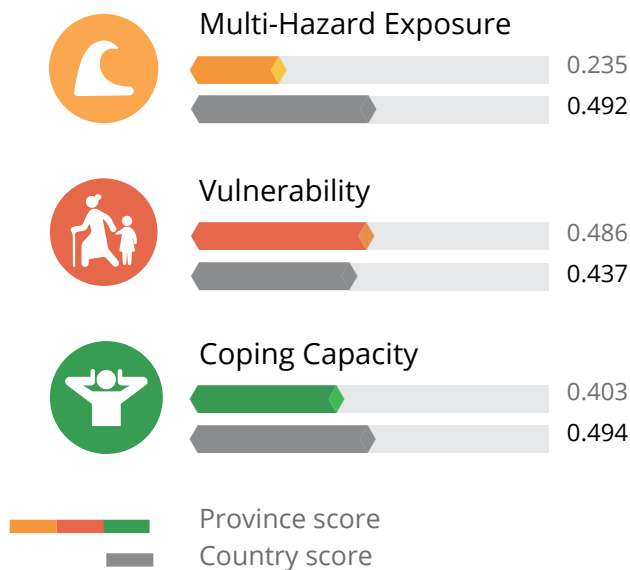
45 / 63

Rank within provinces
Score: 0.44



Lang Son's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

LAO CAI

NDPBA PROVINCE PROFILE

VIỆT NAM LAO CAI

CAPITAL: LÀO CAI

Area: 7,464 km²

Lao Cai province is located in the Northwest mountainous region of Viet Nam, sharing a border with China to the north. The province is home to 25 ethnic groups including the minority people of Hmong, Tay, Dao, Giay, and Nùng. Lao Cai possesses diverse natural environment including Fansipan peak (highest in the country) and Hoang Lien national park. The province's economy is based on international trade (with China), agriculture, forestry, mining, and tourism. Sa Pa town is a famous tourist destination in Viet Nam.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.346 • Rank: 61/63



RESILIENCE (R) - low
Score: 0.495 • Rank: 46/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.028 • Rank: 63/63



VULNERABILITY (V) - very high
Score: 0.507 • Rank: 11/63



COPING CAPACITY (CC) - high
Score: 0.497 • Rank: 23/63



Population (2017)
725,854



Population in Poverty
21.4%



Illiterate population
4.8%



Access to improved water
41.2%



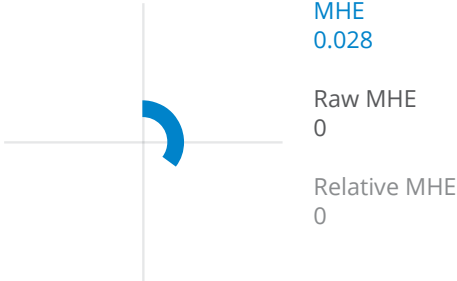
Average life expectancy
68.60 years

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



MULTI-HAZARD EXPOSURE

RANK: 63 / 63 PROVINCES
SCORE: 0.028



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
15.3%
110738



Wildfire
21.8%
158552



Earthquake
0.0%
95



Landslide
36.1%
262115



Extreme Temperature
4.3%
31318



Surge
0.0%
0



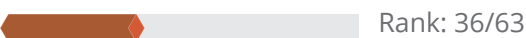
VULNERABILITY (V)

RANK: 11 / 63 PROVINCES
SCORE: 0.507

Vulnerability in Lao Cai is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



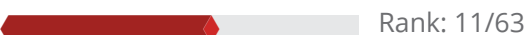
Environmental Stress



1.2% Forest Change
32.9 Livestock Density (per sq km)



Vulnerable Health Status



68.6 Life Expectancy (years)
28.8 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
21.6 Tuberculosis Incidence (per 100,000 persons)
27.36 Malaria Prevalance (per 100,000 persons)
316.1 HIV Prevalance (per 100,000 persons)



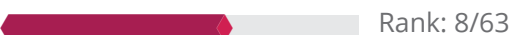
Clean Water Vulnerability



41.2% Households with Safe Water Access
53.1% Households with Hygienic Toilet Access



Information Access Vulnerability



4.8% Adult Illiteracy Rate
87.6% School Attendance Rate
98.0% Households without Internet
12.0% Housholds without TV



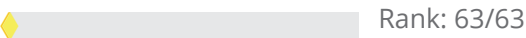
Economic Constraints



51.5 Economic Dependency Ratio
21.4% Poverty



Gender Inequality

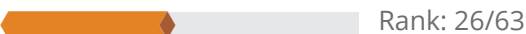


0 Income Inequality*
0.04 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



1.6% Average Annual Population Change
2.9% Average Annual Urban Population Change
2.0% Net Migration Rate



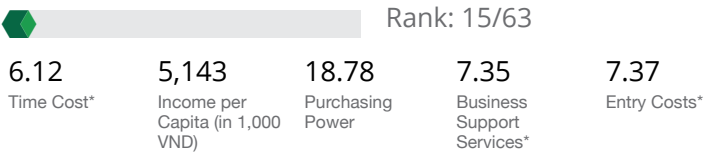
COPING CAPACITY (CC)

RANK: 23 / 63 PROVINCES
SCORE: 0.497

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



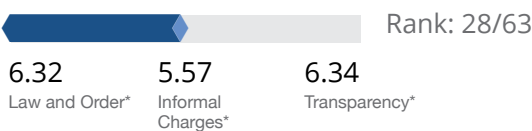
Economic Capacity



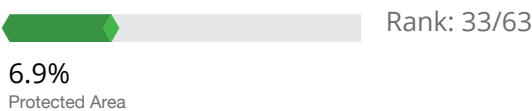
*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



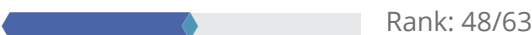
Governance



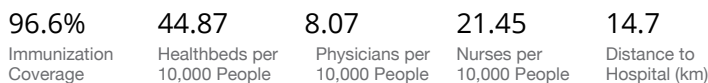
Environmental Capacity



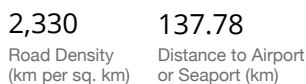
Infrastructure Capacity



Health Care Capacity Rank: 5/63



Transportation Capacity Rank: 61/63



Communications Capacity Rank: 60/63





RESILIENCE (R)

RANK: 46 / 63 PROVINCES
SCORE: 0.495

Lao Cai's score and ranking are due to very high Vulnerability combined with high Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Transportation
Capacity



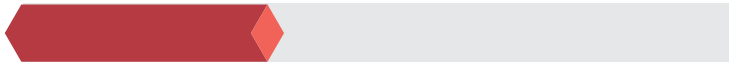
Communications
Capacity



MULTI-HAZARD RISK

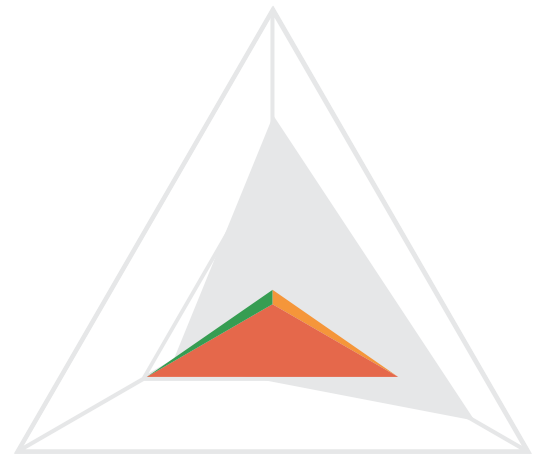
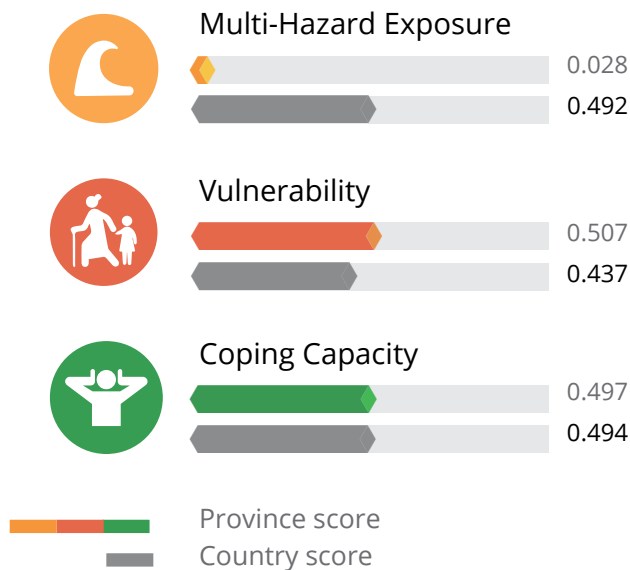
61 / 63

Rank within provinces
Score: 0.346



Lao Cai's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

LONG AN

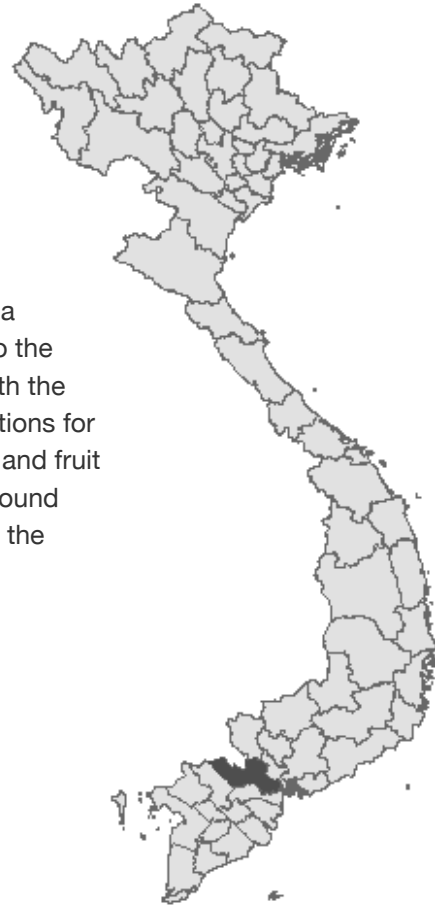
NDPBA PROVINCE PROFILE

VIỆT NAM LONG AN

CAPITAL: TÂN AN

Area: 4,683 km²

Neighboring Ho Chi Minh City to the south and west, Long An is a province in the Mekong Delta, sharing a border with Cambodia to the west and facing East Sea to the east. The relatively flat terrain with the complex river and canal system of Long An provides good conditions for agriculture and aquaculture. The province is one of the main rice and fruit producers in Viet Nam. Long An has rapidly industrialized with around 35 industrial parks in operation. Being a low-lying coastal region, the province is susceptible to floods and rises in sea level.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.481 • Rank: 29/63



RESILIENCE (R) - very high
Score: 0.608 • Rank: 8/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.658 • Rank: 10/63



VULNERABILITY (V) - low
Score: 0.389 • Rank: 47/63



COPING CAPACITY (CC) - very high
Score: 0.604 • Rank: 7/63



Population (2017)
1,572,531



Population in Poverty
5.0%



Illiterate population
2.0%



Access to improved water
96.5%



Average life expectancy
75.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 10 / 63 PROVINCES
SCORE: 0.658



MHE
0.658

Raw MHE
0.655

Relative MHE
0.698

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1569437



Flood
91.5%
1439610



Wildfire
14.9%
233628



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
26.3%
413937



Surge
0.2%
3055



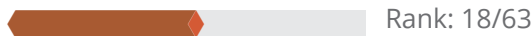
VULNERABILITY (V)

RANK: 47 / 63 PROVINCES
SCORE: 0.389

Vulnerability in Long An is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



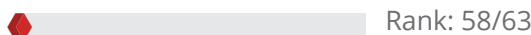
Environmental Stress



-10.5% Forest Change
28.84 Livestock Density (per sq km)



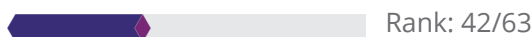
Vulnerable Health Status



75.4 Life Expectancy (years)
9.5 Infant Mortality Rate (per 1,000 live births)
5.6% Acute Malnutrition (Children <5)
73.9 Tuberculosis Incidence (per 100,000 persons)
0.68 Malaria Prevalance (per 100,000 persons)
146.9 HIV Prevalance (per 100,000 persons)



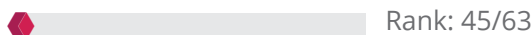
Clean Water Vulnerability



96.5% Households with Safe Water Access
71.1% Households with Hygienic Toilet Access



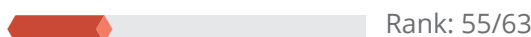
Information Access Vulnerability



2.0% Adult Illiteracy Rate
91.0% School Attendance Rate
89.0% Households without Internet
3.0% Housholds without TV



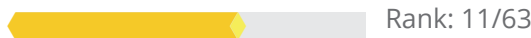
Economic Constraints



41.5 Economic Dependency Ratio
5.0% Poverty



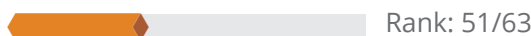
Gender Inequality



0.15 Income Inequality*
0.43 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
1.3% Average Annual Urban Population Change
3.0% Net Migration Rate



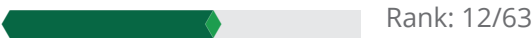
COPING CAPACITY (CC)

RANK: 7 / 63 PROVINCES
SCORE: 0.604

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



Economic Capacity



7.6	4,407	32.23	6.49	8.71
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



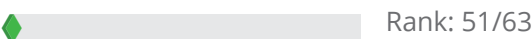
Governance



7.2	6.83	6.52
Law and Order*	Informal Charges*	Transparency*



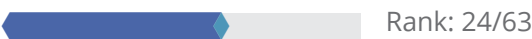
Environmental Capacity



1.1%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 45/63

97.4%	25.53	5.66	11.95	19.29
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 6/63

6,714	27.12
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 40/63

82.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 8 / 63 PROVINCES
SCORE: 0.608

Long An's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Health Care Capacity



Environmental Capacity



MULTI-HAZARD RISK

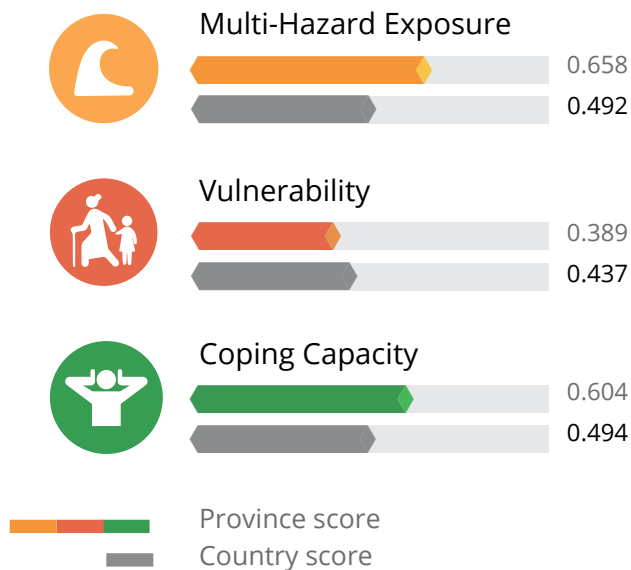
29 / 63

Rank within provinces
Score: 0.481



Long An's score and ranking are due to very high Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

NAM DINH

NDPBA PROVINCE PROFILE

VIỆT NAM NAM DINH

CAPITAL: NAM ĐỊNH

Area: 1,845 km²

Located in the southeastern part of the Red River Delta, Nam Dinh is a province with rich historical and cultural heritages. The province's terrain is comprised of hollow delta, coastal delta, and sand banks, with three big river systems and five river mouths along the sea coast. Xuan Thuy national park is a RAMSA biosphere reserve. The provincial economy is based on agriculture, forestry, service, and industrial manufacturing (in six industrial zones and 17 industrial clusters).



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.561 • Rank: 7/63



RESILIENCE (R) - high
Score: 0.553 • Rank: 21/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.789 • Rank: 2/63



VULNERABILITY (V) - very low
Score: 0.349 • Rank: 55/63



COPING CAPACITY (CC) - low
Score: 0.454 • Rank: 41/63



Population (2017)
1,897,975



Population in Poverty
3.8%



Illiterate population
3.0%



Access to improved water
99.9%



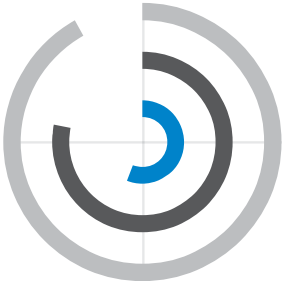
Average life expectancy
74.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 2 / 63 PROVINCES
SCORE: 0.789



MHE
0.789
Raw MHE
0.777
Relative MHE
0.919

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1898613



Flood
68.4%
1298140



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1897975



Surge
0.6%
11832



VULNERABILITY (V)

RANK: 55 / 63 PROVINCES
SCORE: 0.349

Vulnerability in Nam Dinh is primarily driven by Environmental Stress and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



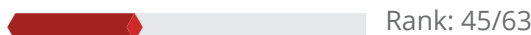
Environmental Stress



-1.8% **134.69**
Forest Change Livestock Density
(per sq km)



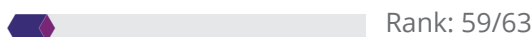
Vulnerable Health Status



74.1 **12.6** **5.4%** **51** **27.74** **212.8**
Life Expectancy Infant Mortality Acute Tuberculosis Malaria HIV Prevalance
(years) Rate (per 1,000 live births) (Children <5) (per 100,000 persons) (per 100,000 persons) (per 100,000 persons)



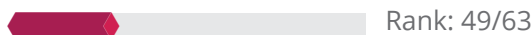
Clean Water Vulnerability



99.9% **86.5%**
Households with Safe Water Access Households with Hygienic Toilet Access



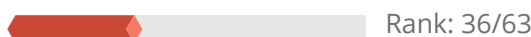
Information Access Vulnerability



3.0% **99.7%** **87.0%** **5.0%**
Adult Illiteracy Rate School Attendance Rate Households without Internet Housholds without TV



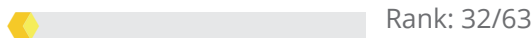
Economic Constraints



48.5 **3.8%**
Economic Dependency Ratio Poverty



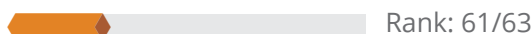
Gender Inequality



0.16 **0.22** *Values closer to 1 represent greater gender parity.
Income Inequality* F M School Enrollment Rate*



Population Pressures



0.0% **1.9%** **4.7%**
Average Annual Population Change Average Annual Urban Population Change Net Migration Rate



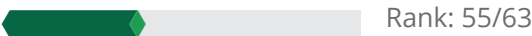
COPING CAPACITY (CC)

RANK: 41 / 63 PROVINCES
SCORE: 0.454

Nam Dinh exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



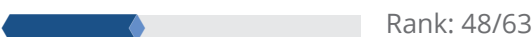
Rank: 55/63

6.69	4,176	14.61	6.35	7.62
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

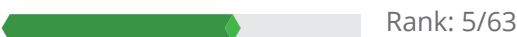


Rank: 48/63

6.73	4.62	5.33
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

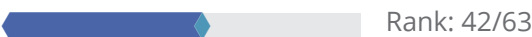


Rank: 5/63

33.0%
Protected Area



Infrastructure Capacity



Rank: 42/63



Health Care Capacity

Rank: 40/63

97.0%	27.73	4.62	10.02	6.19
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 34/63

1,784	15.85
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 41/63

82.2%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 21 / 63 PROVINCES
SCORE: 0.553

Nam Dinh'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:



Environmental Stress



Gender Inequality



Governance



Economic Capacity



MULTI-HAZARD RISK

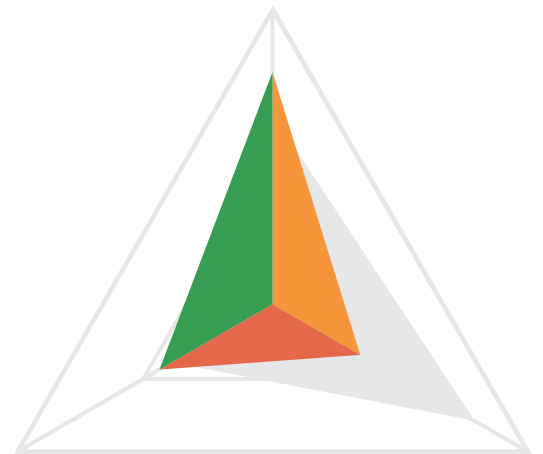
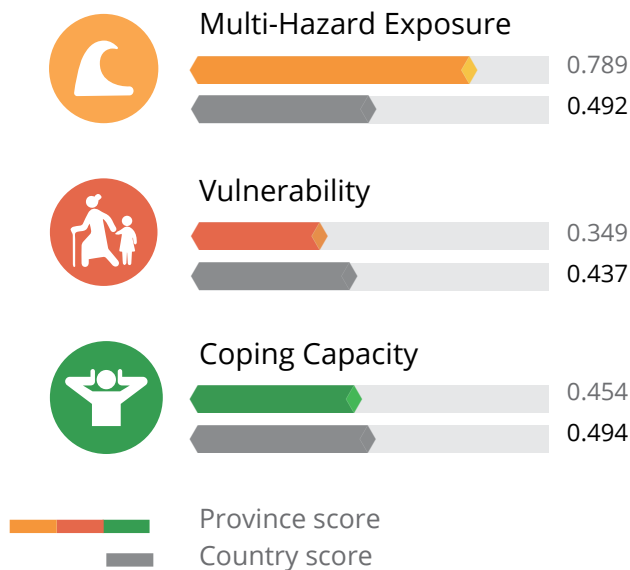
7 / 63

Rank within provinces
Score: 0.561



Nam Dinh'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:





VIỆT NAM

NGHE AN

NDPBA PROVINCE PROFILE

VIỆT NAM NGHE AN

CAPITAL: VINH

Area: 18,637 km²

Nghê An is the largest province located in the North Central Coastal region of Viet Nam, sharing a border with Laos to the west. The province is two thirds natural forested area and has a large reserve of minerals, especially limestone. Nghê An is rich in natural resources, scenery, and beaches with a long history and deep-rooted culture in Vi Dam folk music. The province's economy is based on agriculture, forestry, mining, and an industrial focus with 13 large industrial zones, producing cement, white stone, sugar, and milk.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.568 • Rank: 5/63



RESILIENCE (R) - moderate
Score: 0.539 • Rank: 25/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.781 • Rank: 3/63



VULNERABILITY (V) - moderate
Score: 0.432 • Rank: 29/63



COPING CAPACITY (CC) - high
Score: 0.51 • Rank: 21/63



Population (2017)
3,123,992



Population in Poverty
12.3%



Illiterate population
2.2%



Access to improved water
86.5%



Average life expectancy
72.50 years

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



MULTI-HAZARD EXPOSURE

RANK: 3 / 63 PROVINCES
SCORE: 0.781

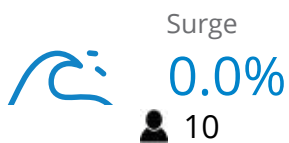
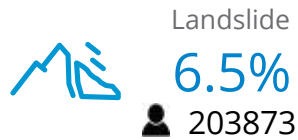
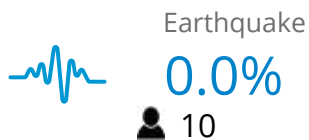
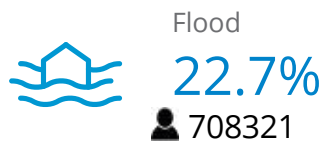


MHE
0.781

Raw MHE
0.88

Relative MHE
0.745

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





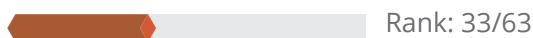
VULNERABILITY (V)

RANK: 29 / 63 PROVINCES
SCORE: 0.432

Vulnerability in Nghe An is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



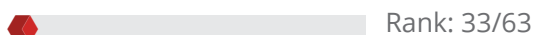
Environmental Stress



2.9% Forest Change
43.35 Livestock Density (per sq km)



Vulnerable Health Status



72.5 Life Expectancy (years)
16.8 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
33.5 Tuberculosis Incidence (per 100,000 persons)
19.89 Malaria Prevalance (per 100,000 persons)
214.7 HIV Prevalance (per 100,000 persons)



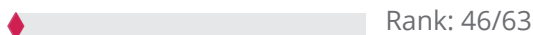
Clean Water Vulnerability



86.5% Households with Safe Water Access
41.3% Households with Hygienic Toilet Access



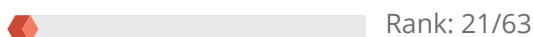
Information Access Vulnerability



2.2% Adult Illiteracy Rate
97.7% School Attendance Rate
86.0% Households without Internet
7.0% Housholds without TV



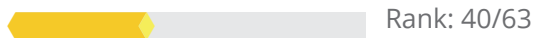
Economic Constraints



44.5 Economic Dependency Ratio
12.3% Poverty



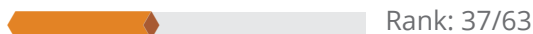
Gender Inequality



0.11 Income Inequality*
0.23 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.6% Average Annual Population Change
3.9% Average Annual Urban Population Change
1.1% Net Migration Rate



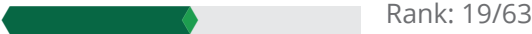
COPING CAPACITY (CC)

RANK: 21 / 63 PROVINCES
SCORE: 0.51

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



Economic Capacity

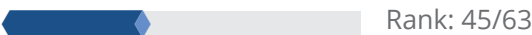


6.72	4,576	15.48	7.45	7.85
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



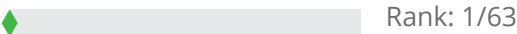
Governance



5.13	4.68	6.38
Law and Order*	Informal Charges*	Transparency*



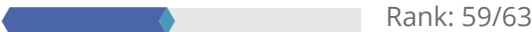
Environmental Capacity



78.6%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 53/63

94.3%	30.3	5.31	12.9	18.14
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 58/63

5,719	167.31
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 32/63

83.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 25 / 63 PROVINCES
SCORE: 0.539

Nghe An's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Transportation
Capacity



Governance



MULTI-HAZARD RISK

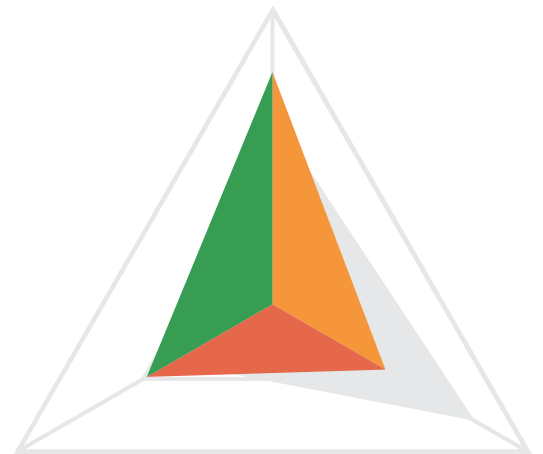
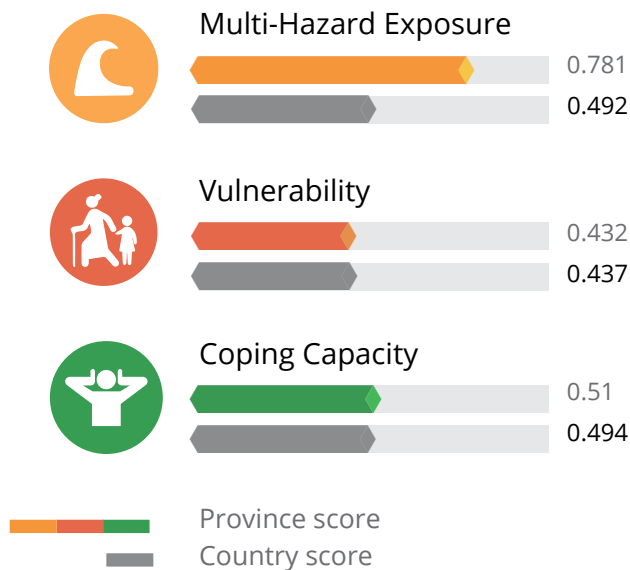
5 / 63

Rank within provinces
Score: 0.568



Nghe An's score and ranking are due to very high Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

NINH BINH

NDPBA PROVINCE PROFILE

VIỆT NAM NINH BINH

CAPITAL: NINH BÌNH

Area: 1,558 km²

Located in the southern Red River Delta, Ninh Binh province is famous for a high density of natural and cultural attractions, including Trang An landscape complex (UNESCO World Heritage site), Cuc Phuong National Park, historic monuments in the Hoa Lu ancient capital. Ninh Binh is also known for having a large catholic population. The province's economic activities include tourism, industrial manufacturing (mostly construction materials in seven large industrial zones), mining, service, and agriculture.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.53 • Rank: 15/63



RESILIENCE (R) - moderate
Score: 0.523 • Rank: 32/63



MULTI-HAZARD EXPOSURE - high
Score: 0.636 • Rank: 16/63



VULNERABILITY (V) - high
Score: 0.438 • Rank: 26/63



COPING CAPACITY (CC) - moderate
Score: 0.484 • Rank: 29/63



Population (2017)
929,776



Population in Poverty
5.5%



Illiterate population
12.5%



Access to improved water
97.4%



Average life expectancy
73.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 16 / 63 PROVINCES
SCORE: 0.636



MHE
0.636
Raw MHE
0.542
Relative MHE
0.858

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
929872



Flood
54.9%
510056



Wildfire
0.0%
349



Earthquake
0.0%
32



Landslide
0.0%
0



Extreme Temperature
100.0%
929776



Surge
0.1%
586



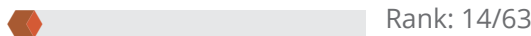
VULNERABILITY (V)

RANK: 26 / 63 PROVINCES
SCORE: 0.438

Vulnerability in Ninh Binh is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



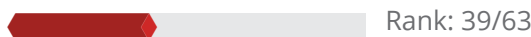
Environmental Stress



-0.2% Forest Change
85.9 Livestock Density (per sq km)



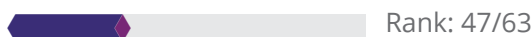
Vulnerable Health Status



73.4 Life Expectancy (years)	14.3 Infant Mortality Rate (per 1,000 live births)	5.5% Acute Malnutrition (Children <5)	37.9 Tuberculosis Incidence (per 100,000 persons)	53.75 Malaria Prevalance (per 100,000 persons)	287.1 HIV Prevalance (per 100,000 persons)
--	--	---	---	--	--



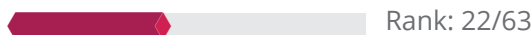
Clean Water Vulnerability



97.4% Households with Safe Water Access
75.6% Households with Hygienic Toilet Access



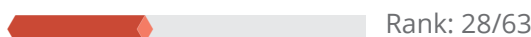
Information Access Vulnerability



12.5% Adult Illiteracy Rate	96.6% School Attendance Rate	87.0% Households without Internet	5.0% Housholds without TV
---------------------------------------	--	---	-------------------------------------



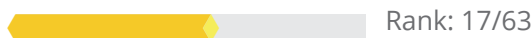
Economic Constraints



48.6 Economic Dependency Ratio
5.5% Poverty



Gender Inequality

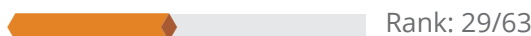


0.12 Income Inequality*
0.4 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



0.6% Average Annual Population Change	3.8% Average Annual Urban Population Change	3.5% Net Migration Rate
---	---	-----------------------------------



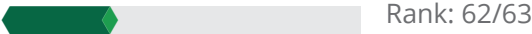
COPING CAPACITY (CC)

RANK: 29 / 63 PROVINCES
SCORE: 0.484

Ninh Binh exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



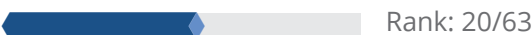
Rank: 62/63

7.03	3,960	24.65	4.94	7.7
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

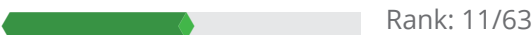


Rank: 20/63

6.13	6.1	6.09
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

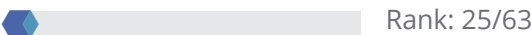


Rank: 11/63

20.6%
Protected Area



Infrastructure Capacity



Rank: 25/63



Health Care Capacity

Rank: 22/63

97.4%	30.72	6.79	12.82	9.2
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 33/63

2,356	31.36
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 44/63

81.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 32 / 63 PROVINCES
SCORE: 0.523

Ninh Binh's score and ranking are due to high Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Economic Capacity



Governance



MULTI-HAZARD RISK

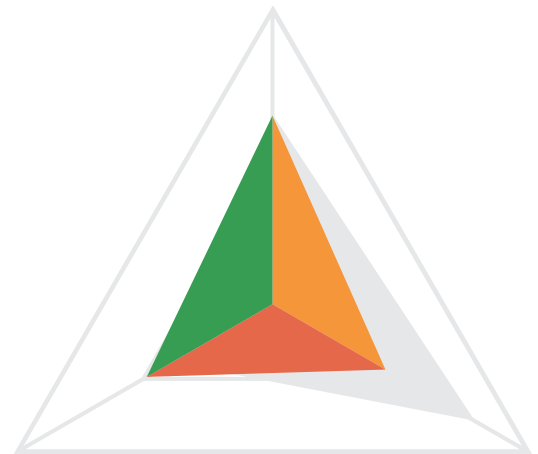
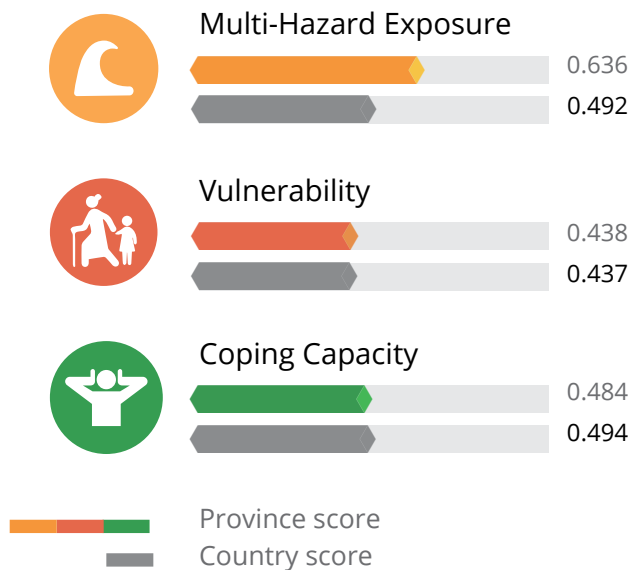
15 / 63

Rank within provinces
Score: 0.53



Ninh Binh's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

NINH THUAN

NDPBA PROVINCE PROFILE

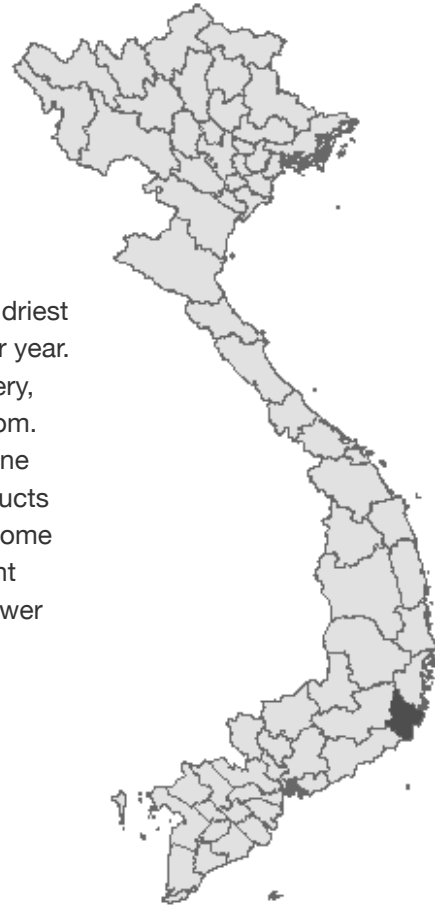
VIỆT NAM

NINH THUAN

CAPITAL: PHAN RANG-THÁP CHÀM

Area: 3,531 km²

Located in the South Central Coast, Ninh Thuan is known as the driest province in Viet Nam with average rainfall of only 700-800mm per year. The province is a well-know tourist destination with natural scenery, beautiful beaches, and historical relics of Champa ancient kingdom. Ninh Thuan is the home of Cham and Raglay ethnic culture. As one of the poorest and least industrialized provinces, prominent products of Ninh Thuan include grape fruits, salt production, fishing, and some manufacturing. The province's agriculture is vulnerable to frequent drought, but Ninh Thuan has high potential for solar and wind power generation.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.41 • Rank: 52/63



RESILIENCE (R) - low
Score: 0.51 • Rank: 42/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.249 • Rank: 58/63



VULNERABILITY (V) - high
Score: 0.454 • Rank: 21/63



COPING CAPACITY (CC) - moderate
Score: 0.474 • Rank: 37/63



Population (2017)
602,115



Population in Poverty
8.2%



Illiterate population
2.2%



Access to improved water
92.4%



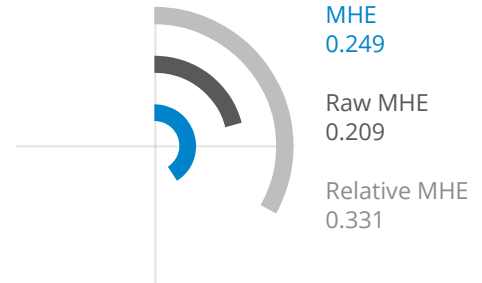
Average life expectancy
72.60 years

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

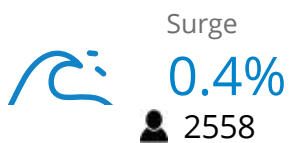
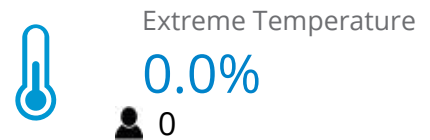
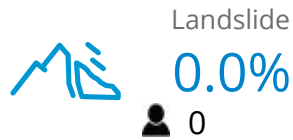


MULTI-HAZARD EXPOSURE

RANK: 58 / 63 PROVINCES
SCORE: 0.249



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





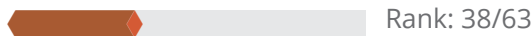
VULNERABILITY (V)

RANK: 21 / 63 PROVINCES
SCORE: 0.454

Vulnerability in Ninh Thuan is primarily driven by Gender Inequality and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



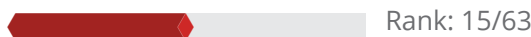
Environmental Stress



-0.2% Forest Change
22.49 Livestock Density (per sq km)



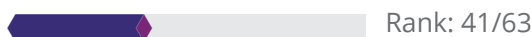
Vulnerable Health Status



72.6 Life Expectancy (years)
16.4 Infant Mortality Rate (per 1,000 live births)
6.6% Acute Malnutrition (Children <5)
1193.2 Tuberculosis Incidence (per 100,000 persons)
182.88 Malaria Prevalance (per 100,000 persons)
57.3 HIV Prevalance (per 100,000 persons)



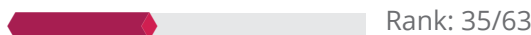
Clean Water Vulnerability



92.4% Households with Safe Water Access
81.2% Households with Hygienic Toilet Access



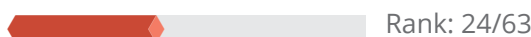
Information Access Vulnerability



2.2% Adult Illiteracy Rate
82.6% School Attendance Rate
86.0% Households without Internet
4.0% Housholds without TV



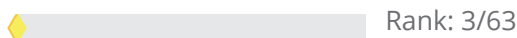
Economic Constraints



47.7 Economic Dependency Ratio
8.2% Poverty



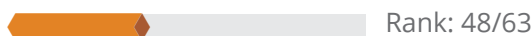
Gender Inequality



0.18 Income Inequality*
0.54 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
2.9% Average Annual Urban Population Change
0.8% Net Migration Rate



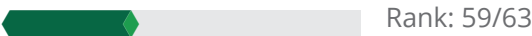
COPING CAPACITY (CC)

RANK: 37 / 63 PROVINCES
SCORE: 0.474

Ninh Thuan exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



Rank: 59/63

7.1	3,635	22.84	6	7.84
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

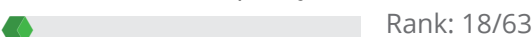


Rank: 23/63

6.01	5.16	6.44
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

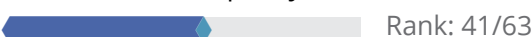


Rank: 18/63

15.2%
Protected Area



Infrastructure Capacity



Rank: 41/63



Health Care Capacity

Rank: 28/63

97.1%	29.56	6.61	13.53	15.15
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 37/63

1,615	24.54
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 49/63

79.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 42 / 63 PROVINCES
SCORE: 0.51

Ninh Thuan's score and ranking are due to high Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Vulnerable Health Status



Economic Capacity



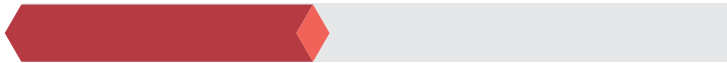
Governance



MULTI-HAZARD RISK

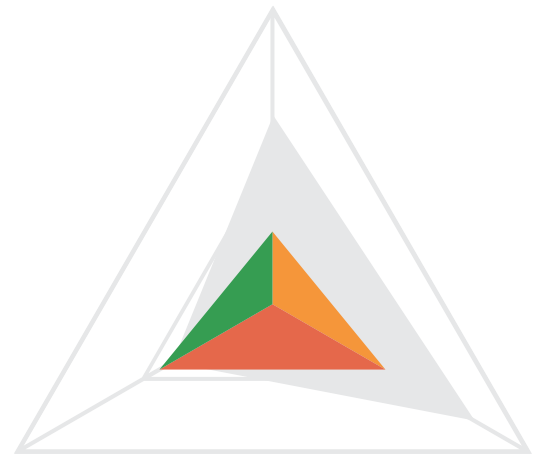
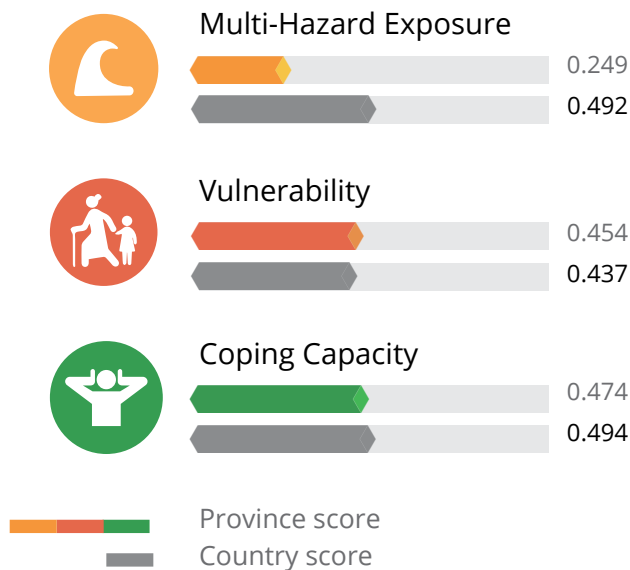
52 / 63

Rank within provinces
Score: 0.41



Ninh Thuan's score and ranking are due to very low Multi-hazard exposure combined with high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

PHU THO

NDPBA PROVINCE PROFILE

VIỆT NAM PHU THO

CAPITAL: VIỆT TRÌ

Area: 4,091 km²

Neighboring Hanoi Capital to the northwest, Phu Tho is a midlands province linking the Red River Delta with Viet Nam's northern mountainous provinces. Lying at the confluence of the Red and Da river, the province is known as the capital of the ancient Van Lang kingdom of Viet people with Hung Kings temple complex now a national historical location. Phu Tho's economic activities include agroforestry, agriculture (with tea as main product) and certain mining and industrial manufacturing.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.463 • Rank: 38/63



RESILIENCE (R) - moderate
Score: 0.519 • Rank: 33/63



MULTI-HAZARD EXPOSURE - low
Score: 0.428 • Rank: 43/63



VULNERABILITY (V) - moderate
Score: 0.436 • Rank: 28/63



COPING CAPACITY (CC) - moderate
Score: 0.474 • Rank: 38/63



Population (2017)
1,408,176



Population in Poverty
8.0%



Illiterate population
6.8%



Access to improved water
90.2%



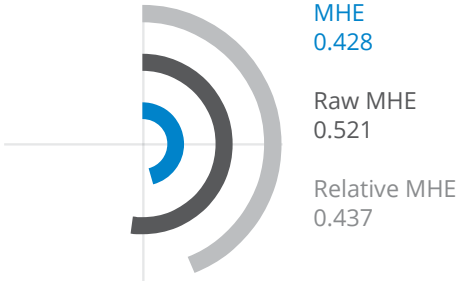
Average life expectancy
73.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 43 / 63 PROVINCES
SCORE: 0.428



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
30.5%
428845



Wildfire
3.5%
49233



Earthquake
26.8%
376850



Landslide
0.0%
0



Extreme Temperature
100.0%
1408176



Surge
0.0%
0



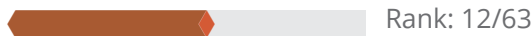
VULNERABILITY (V)

RANK: 28 / 63 PROVINCES
SCORE: 0.436

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



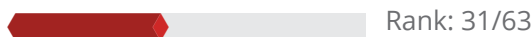
Environmental Stress



0.0% Forest Change
89.27 Livestock Density (per sq km)



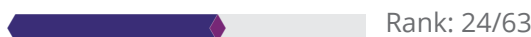
Vulnerable Health Status



73.1 Life Expectancy (years)
15.1 Infant Mortality Rate (per 1,000 live births)
6.4% Acute Malnutrition (Children <5)
37.3 Tuberculosis Incidence (per 100,000 persons)
51.1 Malaria Prevalance (per 100,000 persons)
226.5 HIV Prevalance (per 100,000 persons)



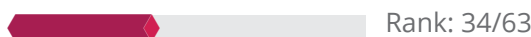
Clean Water Vulnerability



90.2% Households with Safe Water Access
54.7% Households with Hygienic Toilet Access



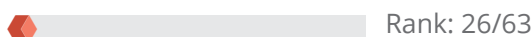
Information Access Vulnerability



6.8% Adult Illiteracy Rate
95.3% School Attendance Rate
87.0% Households without Internet
5.0% Housholds without TV



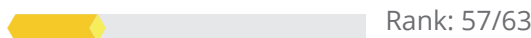
Economic Constraints



46.7 Economic Dependency Ratio
8.0% Poverty



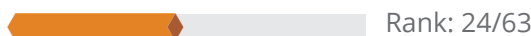
Gender Inequality



0.04 Income Inequality*
0.21 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.6% Average Annual Population Change
3.0% Average Annual Urban Population Change
7.9% Net Migration Rate



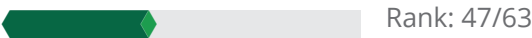
COPING CAPACITY (CC)

RANK: 38 / 63 PROVINCES
SCORE: 0.474

Phu Tho exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



Rank: 47/63

6.14	3,858	14.8	6.62	8.03
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

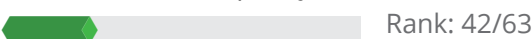


Rank: 36/63

6.28	5.22	5.95
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

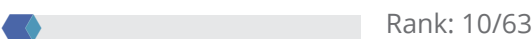


Rank: 42/63

4.2%
Protected Area



Infrastructure Capacity



Rank: 10/63



Health Care Capacity Rank: 6/63

99.5%	40.61	8.3	11.67	7.39
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 40/63

2,280	49.07
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 31/63

84.0%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 33 / 63 PROVINCES
SCORE: 0.519

Phu Tho's score and ranking are due to moderate Vulnerability combined with moderate Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Environmental
Stress



Economic Capacity



Governance



MULTI-HAZARD RISK

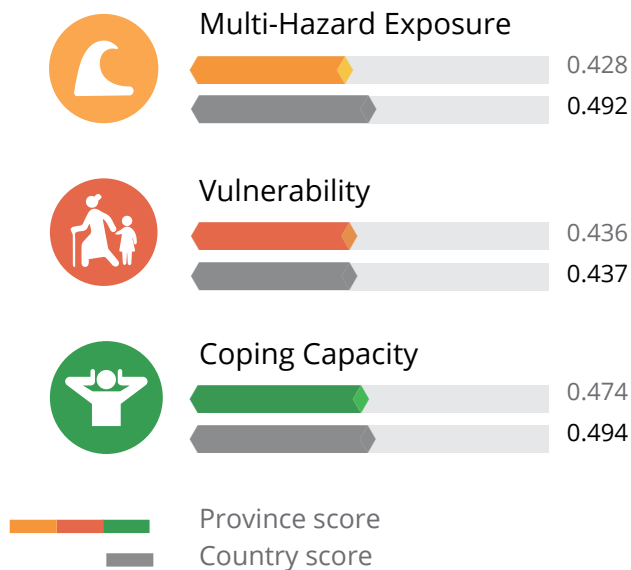
38 / 63

Rank within provinces
Score: 0.463



Phu Tho's score and ranking are due to low Multi-hazard exposure combined with moderate Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

PHU YEN

NDPBA PROVINCE PROFILE

VIỆT NAM PHU YEN

CAPITAL: TUY HÒA

Area: 5,298 km²

Phu Yen is the eastern-most province of Viet Nam’s mainland. Characterized by mixed topography, mostly covered by mountains or hills in the west and a delta near coastal areas, the province has limited land for cultivation. Phu Yen is home to 30 ethnic groups including Cham, E De, Ba Na, Hre, Hoa, M’Nông, and Raglai people. Provincial economic activities are forestry, agriculture, fishing, and small industrial sector. The province is also known for having high tourism potential with many beautiful landscapes.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.537 • Rank: 12/63



RESILIENCE (R) - low
Score: 0.513 • Rank: 39/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.638 • Rank: 13/63



VULNERABILITY (V) - moderate
Score: 0.408 • Rank: 38/63



COPING CAPACITY (CC) - low
Score: 0.434 • Rank: 48/63



Population (2017)
918,332



Population in Poverty
9.3%



Illiterate population
2.9%



Access to improved water
93.0%



Average life expectancy
73.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 13 / 63 PROVINCES
SCORE: 0.638



MHE
0.638

Raw MHE
0.493

Relative MHE
0.706

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
916705



Flood
19.7%
181245



Wildfire
36.7%
336865



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
918332



Surge
0.1%
742



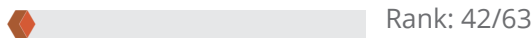
VULNERABILITY (V)

RANK: 38 / 63 PROVINCES
SCORE: 0.408

Vulnerability in Phu Yen is primarily driven by Population Pressures and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



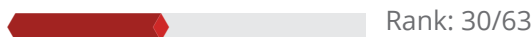
Environmental Stress



2.2% Forest Change
28.67 Livestock Density (per sq km)



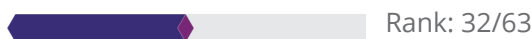
Vulnerable Health Status



73.1 Life Expectancy (years)
15.2 Infant Mortality Rate (per 1,000 live births)
7.6% Acute Malnutrition (Children <5)
47.9 Tuberculosis Incidence (per 100,000 persons)
135.22 Malaria Prevalance (per 100,000 persons)
22.6 HIV Prevalance (per 100,000 persons)



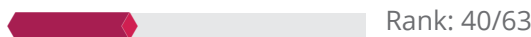
Clean Water Vulnerability



93.0% Households with Safe Water Access
62.9% Households with Hygienic Toilet Access



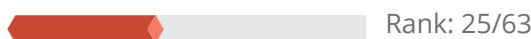
Information Access Vulnerability



2.9% Adult Illiteracy Rate
93.4% School Attendance Rate
85.0% Households without Internet
5.0% Housholds without TV



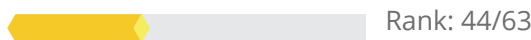
Economic Constraints



46.4 Economic Dependency Ratio
9.3% Poverty



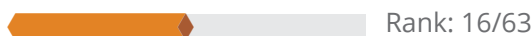
Gender Inequality



0.03 Income Inequality*
0.36 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
4.9% Average Annual Urban Population Change
3.4% Net Migration Rate



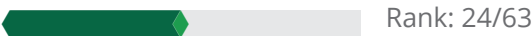
COPING CAPACITY (CC)

RANK: 48 / 63 PROVINCES
SCORE: 0.434

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



Economic Capacity

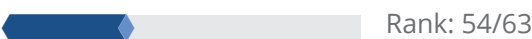


6.3	4,295	25.41	6.61	8.05
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



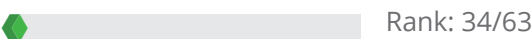
Governance



5.15	5.31	5.89
Law and Order*	Informal Charges*	Transparency*



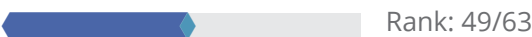
Environmental Capacity



6.6%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 44/63

98.1%	23.79	5.14	11.75	17.01
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 48/63

2,238	72.18
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 36/63

83.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 39 / 63 PROVINCES
SCORE: 0.513

Phu Yen's score and ranking are due to moderate Vulnerability combined with low Coping Capacity scores.

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



Population Pressures



Clean Water Access Vulnerability



Governance



Transportation Capacity



MULTI-HAZARD RISK

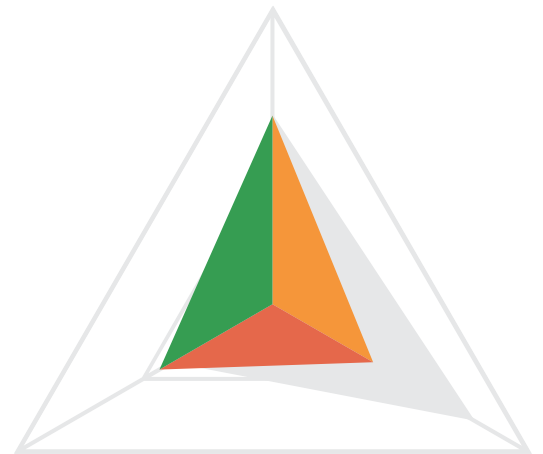
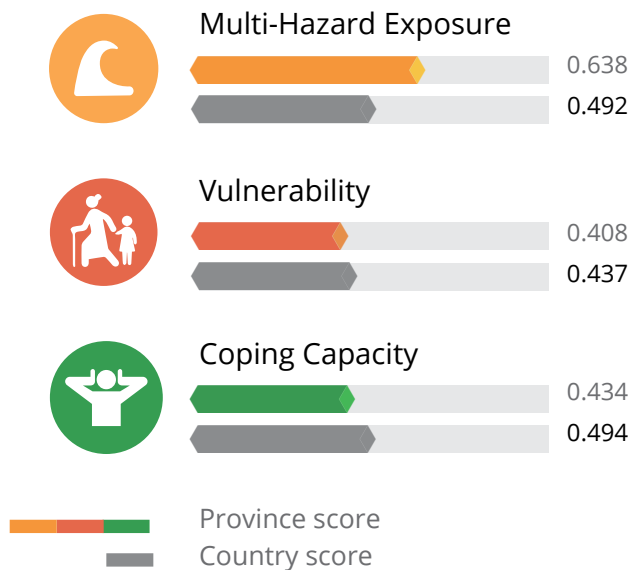
12 / 63

Rank within provinces
Score: 0.537



Phu Yen's score and ranking are due to very high Multi-hazard exposure combined with moderate Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

AN GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM AN GIANG

CAPITAL: LONG XUYÊN

Area: 3,675 km²

An Giang is located in the upper reaches of the Mekong Delta sharing a 100km border with Cambodia to the northwest. With the exception of the west, the fairly flat terrain with many irrigated canals has led the province to being one of the largest rice producing centers in the Delta. An Giang has a largest population in the Delta - home of Kinh people and other ethnic groups such as Khmer and Chams and has large proportion of Muslim population in the country.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.518 • Rank: 19/63



RESILIENCE (R) - moderate
Score: 0.517 • Rank: 35/63



MULTI-HAZARD EXPOSURE - high
Score: 0.587 • Rank: 25/63



VULNERABILITY (V) - high
Score: 0.457 • Rank: 20/63



COPING CAPACITY (CC) - high
Score: 0.491 • Rank: 25/63



Population (2017)
2,385,356



Population in Poverty
3.9%



Illiterate population
9.5%



Access to improved water
82.6%



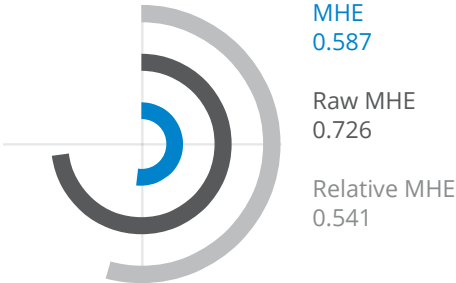
Average life expectancy
73.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 25 / 63 PROVINCES
SCORE: 0.587



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:

Typhoon Wind
100.0%
2373337

Flood
81.8%
1950937

Wildfire
3.8%
89660

Earthquake
0.0%
0

Landslide
0.0%
0

Extreme Temperature
0.0%
0

Surge
0.0%
0



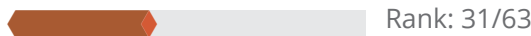
VULNERABILITY (V)

RANK: 20 / 63 PROVINCES
SCORE: 0.457

Vulnerability in An Giang is primarily driven by Gender Inequality and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



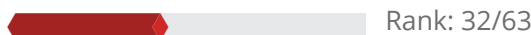
Environmental Stress



-1.7% Forest Change
26.85 Livestock Density (per sq km)



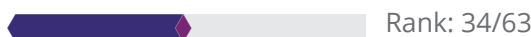
Vulnerable Health Status



73.4 Life Expectancy (years)
14.4 Infant Mortality Rate (per 1,000 live births)
6.2% Acute Malnutrition (Children <5)
122.3 Tuberculosis Incidence (per 100,000 persons)
0.79 Malaria Prevalance (per 100,000 persons)
243.1 HIV Prevalance (per 100,000 persons)



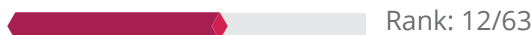
Clean Water Vulnerability



82.6% Households with Safe Water Access
77.6% Households with Hygienic Toilet Access



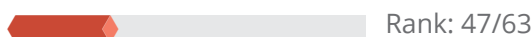
Information Access Vulnerability



9.5% Adult Illiteracy Rate
80.5% School Attendance Rate
87.0% Households without Internet
7.0% Housholds without TV



Economic Constraints



43.8 Economic Dependency Ratio
3.9% Poverty



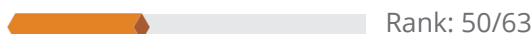
Gender Inequality



0.25 Income Inequality*
0.29 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.2% Average Annual Population Change
2.1% Average Annual Urban Population Change
9.6% Net Migration Rate



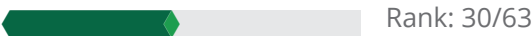
COPING CAPACITY (CC)

RANK: 25 / 63 PROVINCES
SCORE: 0.491

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



Economic Capacity

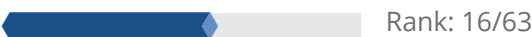


6.88	3,476	34.42	5.99	8.67
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



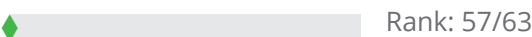
Governance



6.15	5.2	6.92
Law and Order*	Informal Charges*	Transparency*



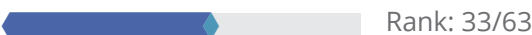
Environmental Capacity



0.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 47/63

97.2%	24.61	4.63	11.6	13.03
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 14/63

3,342	13.75
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 37/63

82.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 35 / 63 PROVINCES
SCORE: 0.517

An Giang's score and ranking are due to high Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Information Access Vulnerability



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

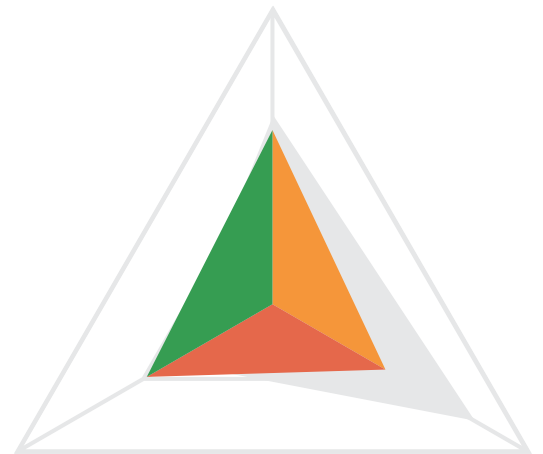
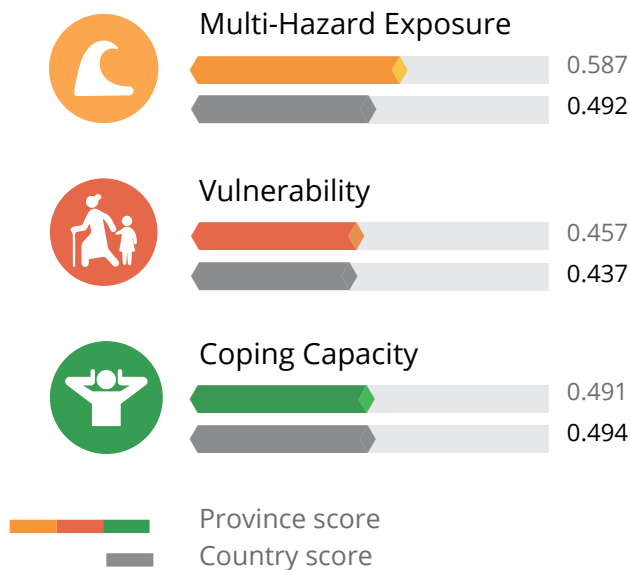
19 / 63

Rank within provinces
Score: 0.518



An Giang's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BA RIA-VUNG TAU

NDPBA PROVINCE PROFILE

VIỆT NAM

BA RIA-VUNG TAU

CAPITAL: BÀ RỊA

Area: 2,004 km²

Ba Ria - Vung Tau province is located on the coast of Viet Nam's southeast region, including Con Dao islands. The provincial economic activities are mostly industrial including petroleum, electricity, petrochemicals, steel and cement production and followed by tourism, commerce and fishing. Vung Tau is one of the country's tourist destinations for its popular beaches and numerous newly-built resorts.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.342 • Rank: 62/63



RESILIENCE (R) - very high
Score: 0.602 • Rank: 10/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.229 • Rank: 60/63



VULNERABILITY (V) - very low
Score: 0.346 • Rank: 57/63



COPING CAPACITY (CC) - high
Score: 0.551 • Rank: 14/63



Population (2017)
1,107,517



Population in Poverty
0.7%



Illiterate population
3.2%



Access to improved water
99.0%



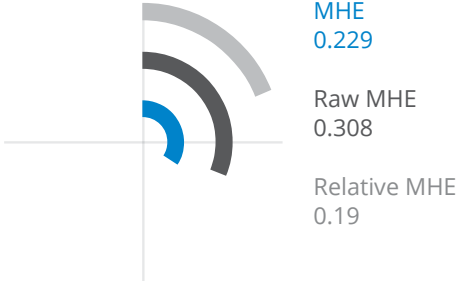
Average life expectancy
76.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 60 / 63 PROVINCES
SCORE: 0.229



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1105406



Flood
0.0%
0



Wildfire
12.5%
138036



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
10



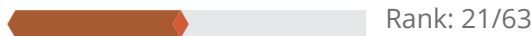
VULNERABILITY (V)

RANK: 57 / 63 PROVINCES
SCORE: 0.346

Vulnerability in Ba Ria-Vung Tau is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



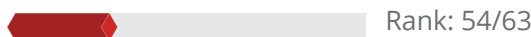
Environmental Stress



-1.4% Forest Change
53.6 Livestock Density (per sq km)



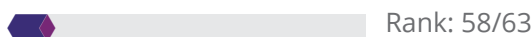
Vulnerable Health Status



76.1 Life Expectancy (years)
8.1 Infant Mortality Rate (per 1,000 live births)
5.6% Acute Malnutrition (Children <5)
71.2 Tuberculosis Incidence (per 100,000 persons)
22.37 Malaria Prevalance (per 100,000 persons)
449.9 HIV Prevalance (per 100,000 persons)



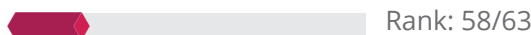
Clean Water Vulnerability



99.0% Households with Safe Water Access
96.7% Households with Hygienic Toilet Access



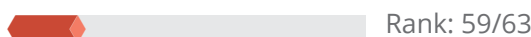
Information Access Vulnerability



3.2% Adult Illiteracy Rate
93.9% School Attendance Rate
73.0% Households without Internet
4.0% Housholds without TV



Economic Constraints



41.2 Economic Dependency Ratio
0.7% Poverty



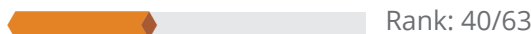
Gender Inequality



0.3 Income Inequality*
0.36 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.5% Average Annual Population Change
2.6% Average Annual Urban Population Change
0.7% Net Migration Rate



COPING CAPACITY (CC)

RANK: 14 / 63 PROVINCES
SCORE: 0.551

Ba Ria-Vung Tau exhibits weaker Coping Capacity in the areas of Health Care Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

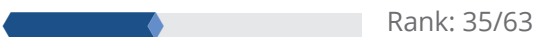


6.42	5,478	44.04	7.08	8.19
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



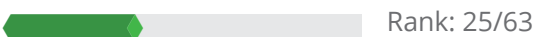
Governance



5.55	5.04	6.36
Law and Order*	Informal Charges*	Transparency*



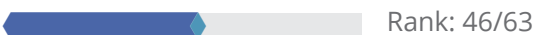
Environmental Capacity



10.3%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 63/63

92.6%	18.07	4.18	10.31	18.59
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 5/63

6,224	22.35
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 4/63

92.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 10 / 63 PROVINCES
SCORE: 0.602

Ba Ria-Vung Tau's score and ranking are due to very low Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Health Care Capacity



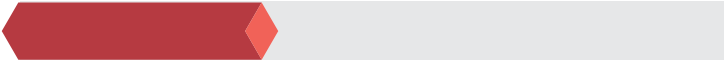
Governance



MULTI-HAZARD RISK

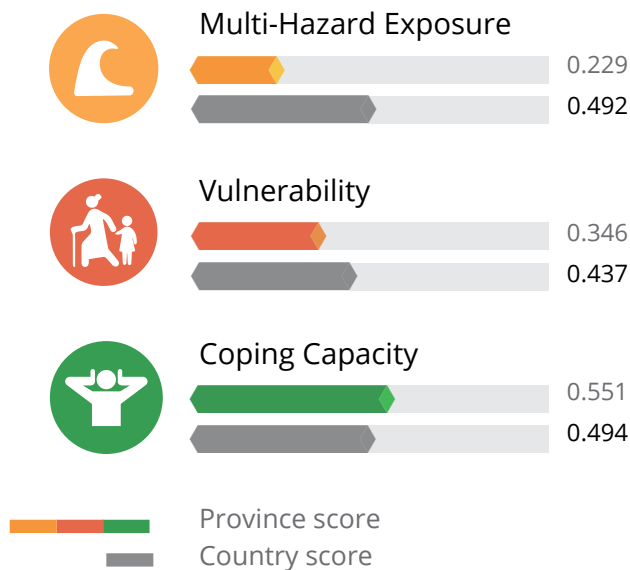
62 / 63

Rank within provinces
Score: 0.342



Ba Ria-Vung Tau's score and ranking are due to very low Multi-hazard exposure combined with very low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BAC GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM

BAC GIANG

CAPITAL: BẮC GIANG

Area: 4,508 km²

Bac Giang province is located in the northeast region of Viet Nam as the transition zone between the mountainous region in the North and the Red River Delta in the South. The province's land area is primarily dedicated to agriculture and forestry and Bac Giang is known as a large producer of pineapples and lychees. Being the home to 20 ethnic groups, this province also preserves the special cultural and historical traditions.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.452 • Rank: 43/63



RESILIENCE (R) - moderate
Score: 0.534 • Rank: 30/63



MULTI-HAZARD EXPOSURE - low
Score: 0.424 • Rank: 45/63



VULNERABILITY (V) - moderate
Score: 0.409 • Rank: 36/63



COPING CAPACITY (CC) - moderate
Score: 0.478 • Rank: 34/63



Population (2017)
1,667,141



Population in Poverty
7.9%



Illiterate population
2.3%



Access to improved water
94.9%



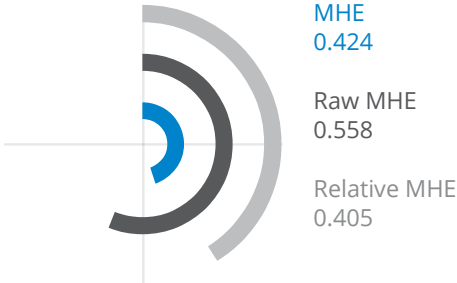
Average life expectancy
73.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 45 / 63 PROVINCES
SCORE: 0.424



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
12.7%
211242



Flood
37.1%
619096



Wildfire
0.8%
13474



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1667141



Surge
0.0%
0



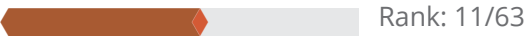
VULNERABILITY (V)

RANK: 36 / 63 PROVINCES
SCORE: 0.409

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



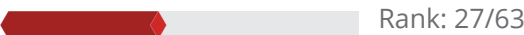
Environmental Stress



3.5% Forest Change
112.39 Livestock Density (per sq km)



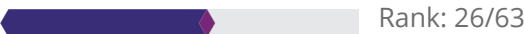
Vulnerable Health Status



73.1 Life Expectancy (years)
15.3 Infant Mortality Rate (per 1,000 live births)
7.8% Acute Malnutrition (Children <5)
43.8 Tuberculosis Incidence (per 100,000 persons)
5.85 Malaria Prevalance (per 100,000 persons)
137.5 HIV Prevalance (per 100,000 persons)



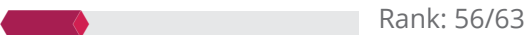
Clean Water Vulnerability



94.9% Households with Safe Water Access
46.7% Households with Hygienic Toilet Access



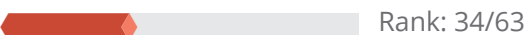
Information Access Vulnerability



2.3% Adult Illiteracy Rate
98.2% School Attendance Rate
87.0% Households without Internet
3.0% Housholds without TV



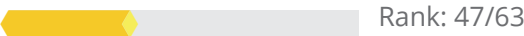
Economic Constraints



44.3 Economic Dependency Ratio
7.9% Poverty



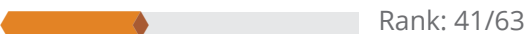
Gender Inequality



0.02 Income Inequality*
0.36 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
3.5% Average Annual Urban Population Change
1.1% Net Migration Rate



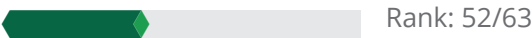
COPING CAPACITY (CC)

RANK: 34 / 63 PROVINCES
SCORE: 0.478

Bac Giang exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

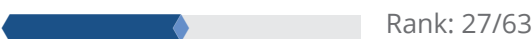


5.7	4,486	12.02	6.06	7.82
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



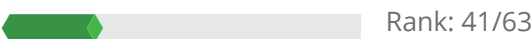
Governance



6.1	5.51	6.73
Law and Order*	Informal Charges*	Transparency*



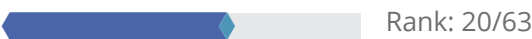
Environmental Capacity



4.8%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 18/63

99.6%	27.4	7.69	11.45	12.98
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 43/63

1,846	42.62
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 17/63

87.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 30 / 63 PROVINCES
SCORE: 0.534

Bac Giang's score and ranking are due to moderate Vulnerability combined with moderate Coping Capacity scores.

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



Clean Water Access Vulnerability



Environmental Stress



Economic Capacity



Governance



MULTI-HAZARD RISK

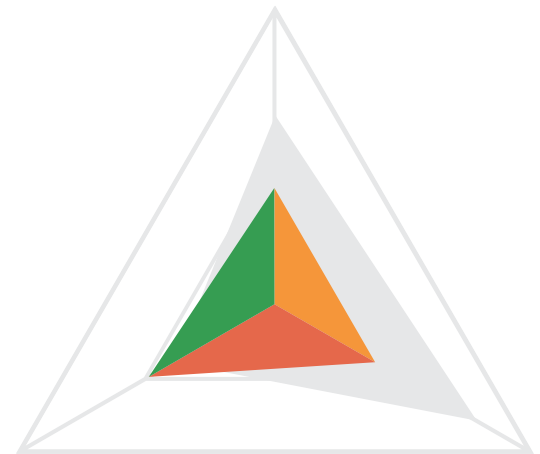
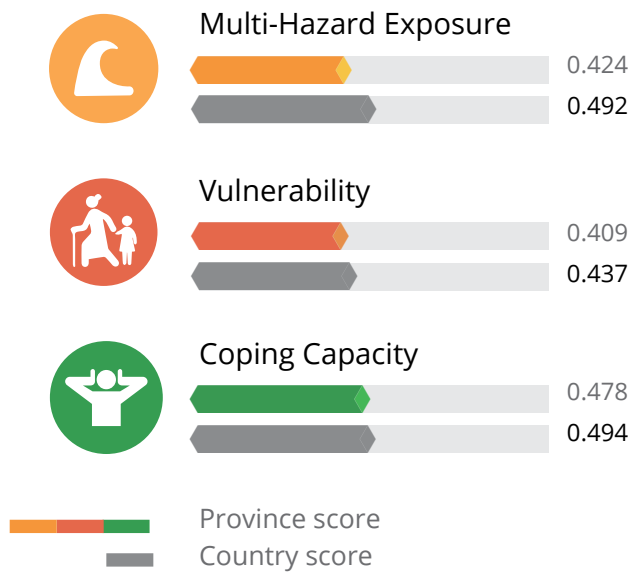
43 / 63

Rank within provinces
Score: 0.452



Bac Giang's score and ranking are due to low Multi-hazard exposure combined with moderate Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

BAC KAN

NDPBA PROVINCE PROFILE

VIỆT NAM BAC KAN

CAPITAL: BẮC KẠN

Area: 5,699 km²

Located in northeastern Viet Nam, Bac Kan is a mountainous province with about 95% forest cover and rich mineral resources. One of the least populated provinces in Viet Nam, the province is the home of Kinh, Tay, Nung, and Dao people. Bac Kan's economy centers on mining, forest products, agriculture, and some degree of tourism offered by its mountains, lakes and the Ba Be national park.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.396 • Rank: 55/63



RESILIENCE (R) - low
Score: 0.48 • Rank: 51/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.149 • Rank: 62/63



VULNERABILITY (V) - high
Score: 0.468 • Rank: 16/63



COPING CAPACITY (CC) - very low
Score: 0.429 • Rank: 52/63



Population (2017)
320,597



Population in Poverty
17.1%



Illiterate population
6.1%



Access to improved water
45.8%



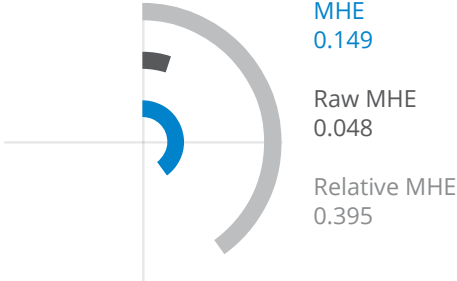
Average life expectancy
72.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 62 / 63 PROVINCES
SCORE: 0.149



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
9.4%
30199



Wildfire
0.3%
839



Earthquake
0.0%
0



Landslide
38.0%
121897



Extreme Temperature
100.0%
320597



Surge
0.0%
0



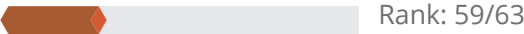
VULNERABILITY (V)

RANK: 16 / 63 PROVINCES
SCORE: 0.468

Vulnerability in Bac Kan is primarily driven by Clean Water Access Vulnerability and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



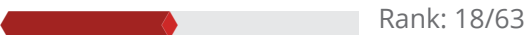
Environmental Stress



5.0% Forest Change
20.6 Livestock Density (per sq km)



Vulnerable Health Status



72.1 Life Expectancy (years)
17.6 Infant Mortality Rate (per 1,000 live births)
7.0% Acute Malnutrition (Children <5)
20.5 Tuberculosis Incidence (per 100,000 persons)
7.81 Malaria Prevalance (per 100,000 persons)
454.3 HIV Prevalance (per 100,000 persons)



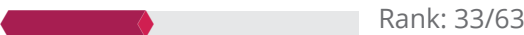
Clean Water Vulnerability



45.8% Households with Safe Water Access
40.4% Households with Hygienic Toilet Access



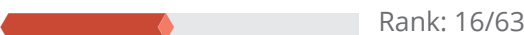
Information Access Vulnerability



6.1% Adult Illiteracy Rate
99.9% School Attendance Rate
88.0% Households without Internet
9.0% Households without TV



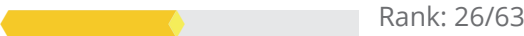
Economic Constraints



40.9 Economic Dependency Ratio
17.1% Poverty



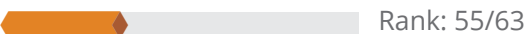
Gender Inequality



0.21 Income Inequality*
0.17 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
3.3% Average Annual Urban Population Change
0.3% Net Migration Rate



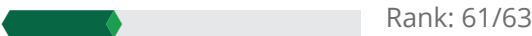
COPING CAPACITY (CC)

RANK: 52 / 63 PROVINCES
SCORE: 0.429

Bac Kan exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



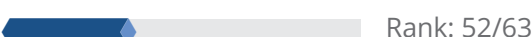
Rank: 61/63

4.83	4,929	12.9	6.32	6.25
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

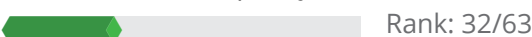


Rank: 52/63

6.06	4.28	6.65
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 32/63

7.2%
Protected Area



Infrastructure Capacity



Rank: 8/63



Health Care Capacity Rank: 2/63

97.2%	37.81	12.72	19.88	12.37
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 47/63

1,356	38.74
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 33/63

83.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 51 / 63 PROVINCES
SCORE: 0.48

Bac Kan's score and ranking are due to high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Gender Inequality



Economic Capacity



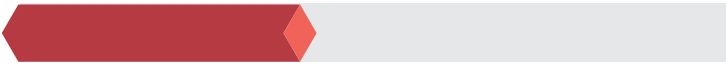
Governance



MULTI-HAZARD RISK

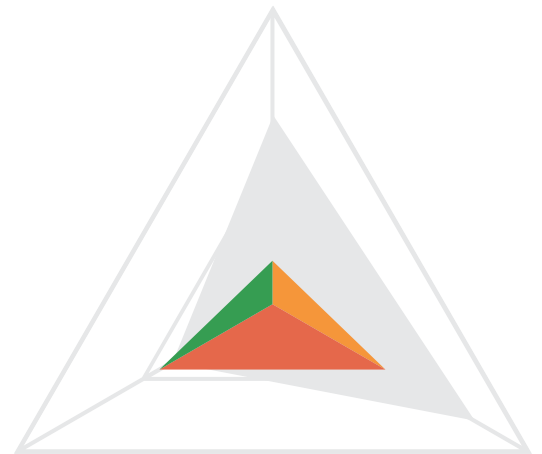
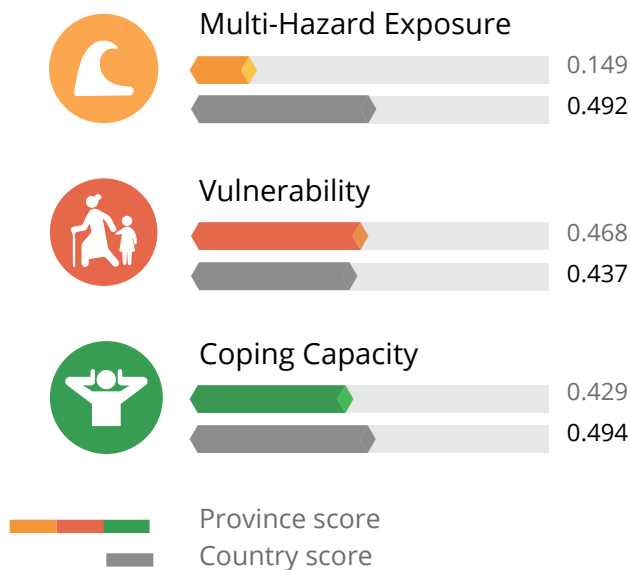
55 / 63

Rank within provinces
Score: 0.396



Bac Kan's score and ranking are due to very low Multi-hazard exposure combined with high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

BAC LIEU

NDPBA PROVINCE PROFILE

VIỆT NAM BAC LIEU

CAPITAL: BẠC LIÊU

Area: 2,544 km²

Bac Lieu is a coastal province located in the southern part of the Mekong Delta with mostly lowland terrain and many large irrigated canals. Prominent provincial economic activities include rice farming, fishing, food processing, and clothing manufacturing. Viet Nam's largest wind power farm is recently built off shore of the Bac Lieu province, which has also become an tourism attraction. Bac Lieu is home to many ethnic Khmer people, the province is well known for its traditional folk music of Vong Co.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.424 • Rank: 50/63



RESILIENCE (R) - high
Score: 0.538 • Rank: 27/63



MULTI-HAZARD EXPOSURE - low
Score: 0.349 • Rank: 48/63



VULNERABILITY (V) - low
Score: 0.4 • Rank: 44/63



COPING CAPACITY (CC) - moderate
Score: 0.476 • Rank: 35/63



Population (2017)
948,284



Population in Poverty
8.4%



Illiterate population
5.9%



Access to improved water
99.7%



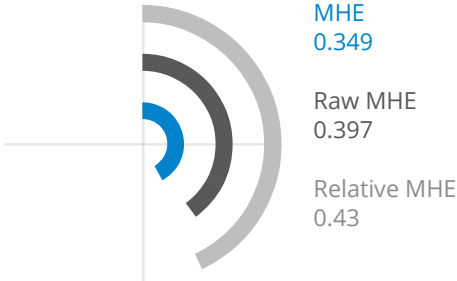
Average life expectancy
74.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 48 / 63 PROVINCES
SCORE: 0.349



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
948284



Flood
55.6%
527256



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



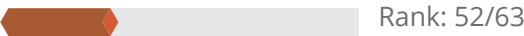
VULNERABILITY (V)

RANK: 44 / 63 PROVINCES
SCORE: 0.4

Vulnerability in Bac Lieu is primarily driven by Gender Inequality and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



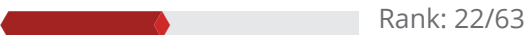
Environmental Stress



3.0% Forest Change
21.58 Livestock Density (per sq km)



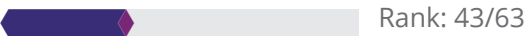
Vulnerable Health Status



74.3 Life Expectancy (years)
12.1 Infant Mortality Rate (per 1,000 live births)
9.3% Acute Malnutrition (Children <5)
73.7 Tuberculosis Incidence (per 100,000 persons)
2.74 Malaria Prevalance (per 100,000 persons)
273.1 HIV Prevalance (per 100,000 persons)



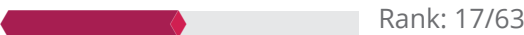
Clean Water Vulnerability



99.7% Households with Safe Water Access
54.0% Households with Hygienic Toilet Access



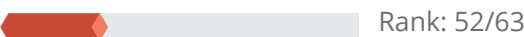
Information Access Vulnerability



5.9% Adult Illiteracy Rate
82.3% School Attendance Rate
91.0% Households without Internet
3.0% Housholds without TV



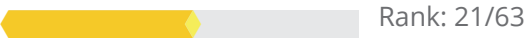
Economic Constraints



38.2 Economic Dependency Ratio
8.4% Poverty



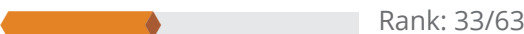
Gender Inequality



0.25 Income Inequality*
0.16 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
1.2% Average Annual Urban Population Change
6.3% Net Migration Rate



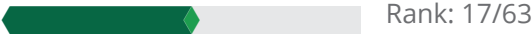
COPING CAPACITY (CC)

RANK: 35 / 63 PROVINCES
SCORE: 0.476

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



Economic Capacity



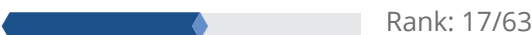
Rank: 17/63

6.7	4,002	41.85	5.77	8.58
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

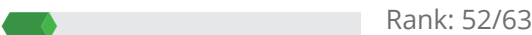


Rank: 17/63

5.68	6.38	6.47
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

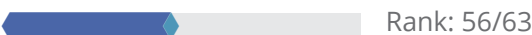


Rank: 52/63

1.0%
Protected Area



Infrastructure Capacity



Rank: 56/63



Health Care Capacity Rank: 50/63

95.1%	23.1	6.12	11.58	10.32
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 38/63

1,805	33.91
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 58/63

72.2%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 27 / 63 PROVINCES
SCORE: 0.538

Bac Lieu's score and ranking are due to low Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Information Access Vulnerability



Communications Capacity



Health Care Capacity



MULTI-HAZARD RISK

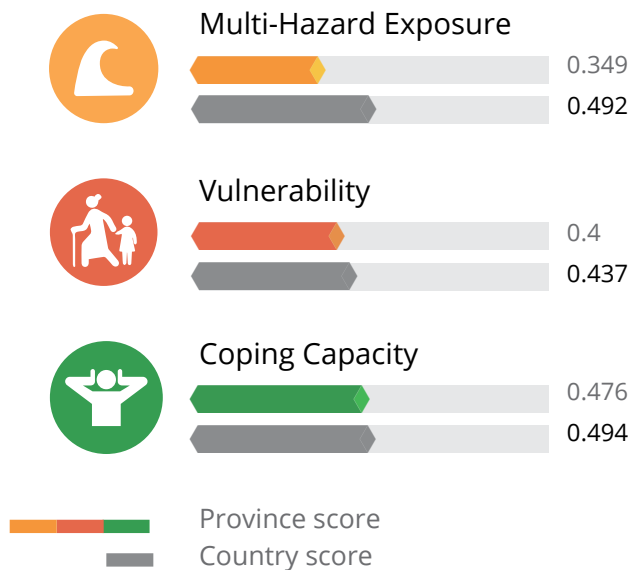
50 / 63

Rank within provinces
Score: 0.424



Bac Lieu's score and ranking are due to low Multi-hazard exposure combined with low Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

BAC NINH

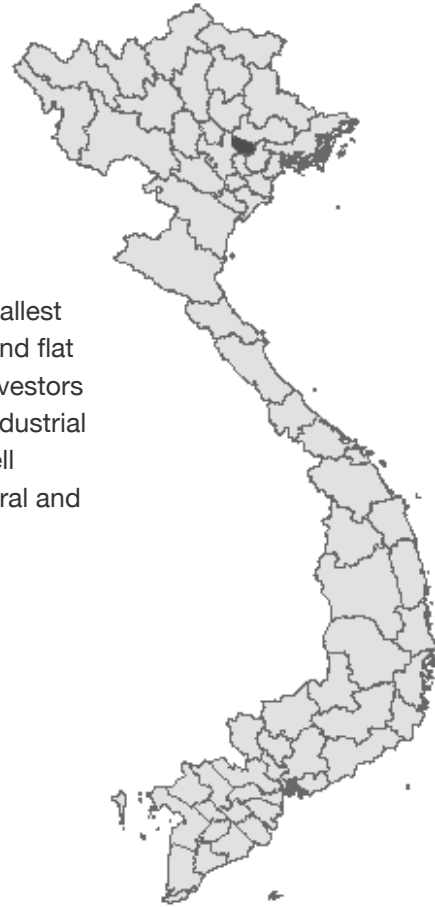
NDPBA PROVINCE PROFILE

VIỆT NAM BAC NINH

CAPITAL: BẮC NINH

Area: 949 km²

Neighboring Hanoi Capital to the east, Bac Ninh is one of the smallest but most industrialized provinces in Viet Nam. With rather even and flat terrain, the province attracted large amounts of manufacturing investors including Canon, Samsung, Foxconn, and Nokia. With over 15 industrial parks, agricultural land is rapidly decreasing. Bac Ninh is also well known by being the home of Quan Ho folk music and other cultural and historical values.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.469 • Rank: 35/63



RESILIENCE (R) - moderate
Score: 0.535 • Rank: 29/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.476 • Rank: 37/63



VULNERABILITY (V) - moderate
Score: 0.428 • Rank: 32/63



COPING CAPACITY (CC) - high
Score: 0.498 • Rank: 22/63



Population (2017)
1,068,880



Population in Poverty
2.1%



Illiterate population
2.5%



Access to improved water
99.1%



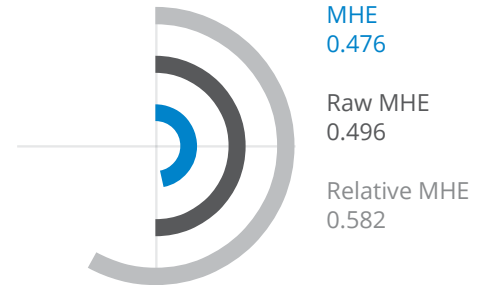
Average life expectancy
74.00 years

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

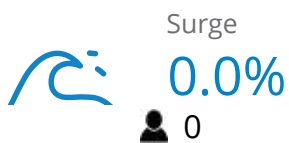
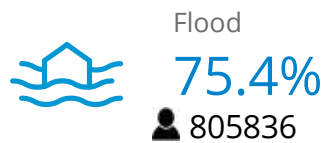


MULTI-HAZARD EXPOSURE

RANK: 37 / 63 PROVINCES
SCORE: 0.476



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 32 / 63 PROVINCES
SCORE: 0.428

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



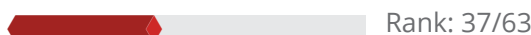
Environmental Stress



0.0% 151.99
Forest Change Livestock Density
(per sq km)



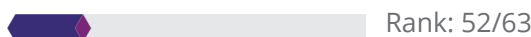
Vulnerable Health Status



74 12.8 8.4% 20.3 13.35 164.1
Life Expectancy Infant Mortality Acute Tuberculosis Malaria HIV Prevalance
(years) Rate (per 1,000 Malnutrition Incidence Prevalance (per 100,000
live births) (Children <5) (per 100,000 (per 100,000 (per 100,000
persons) persons) persons)



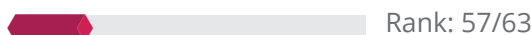
Clean Water Vulnerability



99.1% 81.1%
Households Households with
with Safe Water Hygienic Toilet
Access Access



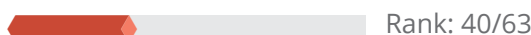
Information Access Vulnerability



2.5% 98.6% 77.0% 6.0%
Adult Illiteracy School Households Housholds
Rate Attendance without Internet without TV
Rate



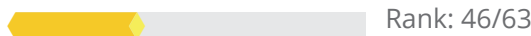
Economic Constraints



49.4 2.1%
Economic Poverty
Dependency Ratio



Gender Inequality



0.12 0.19
Income F M School
Inequality* Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.7% 10.6% 12.8%
Average Annual Average Net Migration
Population Annual Urban Rate
Change Population Change



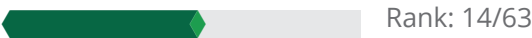
COPING CAPACITY (CC)

RANK: 22 / 63 PROVINCES
SCORE: 0.498

Bac Ninh exhibits weaker Coping Capacity in the areas of Governance and Environmental Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



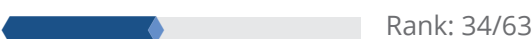
Rank: 14/63

6.65	5,156	29.73	6.86	7.27
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

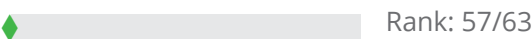


Rank: 34/63

5.39	5.9	5.93
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 57/63

0.0%
Protected Area



Infrastructure Capacity



Rank: 7/63



Health Care Capacity

Rank: 15/63

99.8%	28.01	7.28	9.41	3.62
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 27/63

2,284	16.96
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 9/63

89.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 29 / 63 PROVINCES
SCORE: 0.535

Bac Ninh's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Population Pressures



Environmental Stress



Governance



Environmental Capacity



MULTI-HAZARD RISK

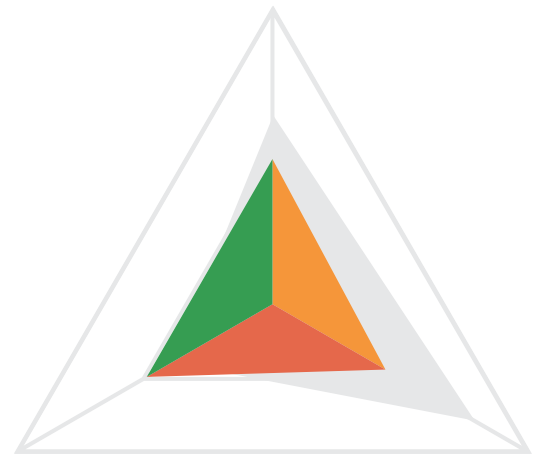
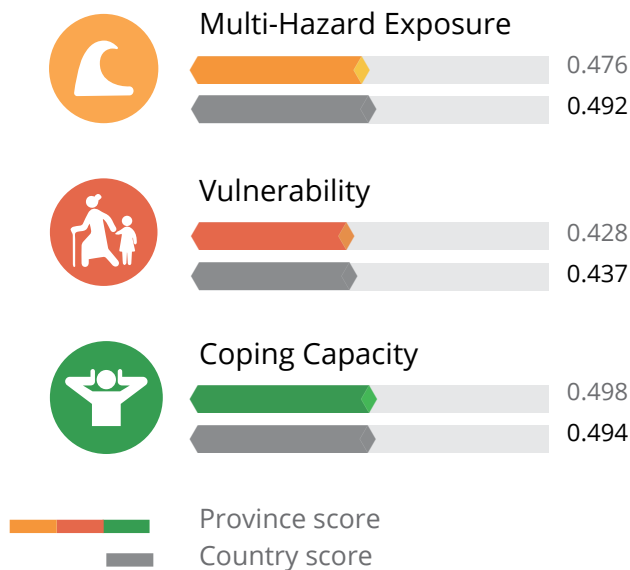
35 / 63

Rank within provinces
Score: 0.469



Bac Ninh's score and ranking are due to moderate Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BEN TRE

NDPBA PROVINCE PROFILE

VIỆT NAM BEN TRE

CAPITAL: BẾN TRE

Area: 2,360 km²

Ben Tre province is located in the eastern part of the Mekong Delta, between the two main branches of Tien Giang river. Possessing a complex network of rivers and canals, Ben Tre has a major advantage for agriculture productions and ecotourism, however is vulnerable to frequent salinization, flooding and sea level rise. The province is also known for being the homeland of coconut farms and products.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.39 • Rank: 57/63



RESILIENCE (R) - high
Score: 0.547 • Rank: 24/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.265 • Rank: 56/63



VULNERABILITY (V) - moderate
Score: 0.437 • Rank: 27/63



COPING CAPACITY (CC) - high
Score: 0.53 • Rank: 19/63



Population (2017)
1,290,699



Population in Poverty
8.6%



Illiterate population
5.4%



Access to improved water
80.0%



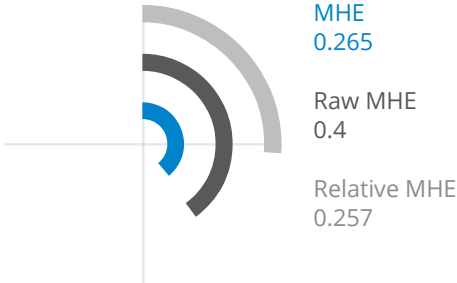
Average life expectancy
75.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 56 / 63 PROVINCES
SCORE: 0.265



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1289426



Flood
15.5%
199894



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



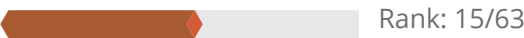
VULNERABILITY (V)

RANK: 27 / 63 PROVINCES
SCORE: 0.437

Vulnerability in Ben Tre is primarily driven by Gender Inequality and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



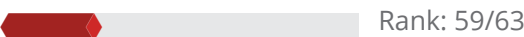
Environmental Stress



1.4% Forest Change
91.57 Livestock Density (per sq km)



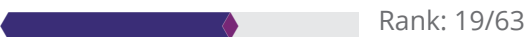
Vulnerable Health Status



75.3 Life Expectancy (years)
9.8 Infant Mortality Rate (per 1,000 live births)
6.0% Acute Malnutrition (Children <5)
63.9 Tuberculosis Incidence (per 100,000 persons)
0.24 Malaria Prevalance (per 100,000 persons)
134.9 HIV Prevalance (per 100,000 persons)



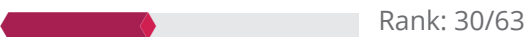
Clean Water Vulnerability



80.0% Households with Safe Water Access
57.5% Households with Hygienic Toilet Access



Information Access Vulnerability



5.4% Adult Illiteracy Rate
91.6% School Attendance Rate
84.0% Households without Internet
6.0% Housholds without TV



Economic Constraints



42.9 Economic Dependency Ratio
8.6% Poverty



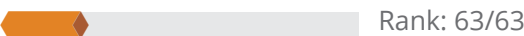
Gender Inequality



0.13 Income Inequality*
0.49 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.1% Average Annual Population Change
1.1% Average Annual Urban Population Change
3.7% Net Migration Rate



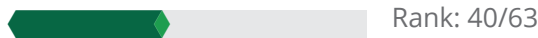
COPING CAPACITY (CC)

RANK: 19 / 63 PROVINCES
SCORE: 0.53

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



Economic Capacity



7.61	3,640	22.28	6.87	7.88
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



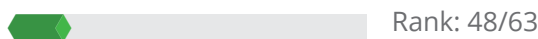
Governance



6.78	6.39	6.21
Law and Order*	Informal Charges*	Transparency*



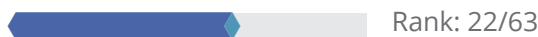
Environmental Capacity



1.5%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 35/63

95.5%	30.58	5.59	11.49	6.82
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 24/63

2,563	13.62
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 11/63

88.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 24 / 63 PROVINCES
SCORE: 0.547

Ben Tre's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Clean Water Access Vulnerability



Economic Capacity



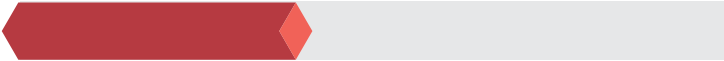
Health Care Capacity



MULTI-HAZARD RISK

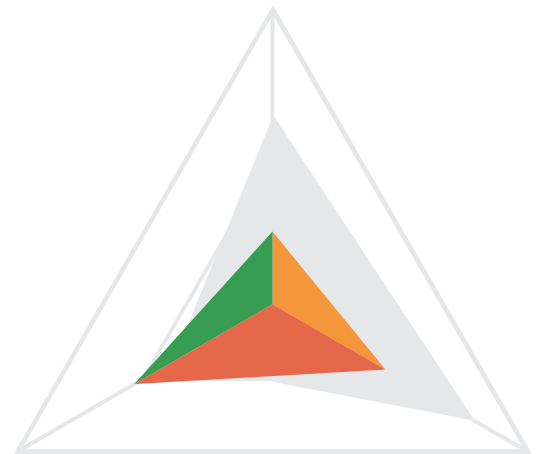
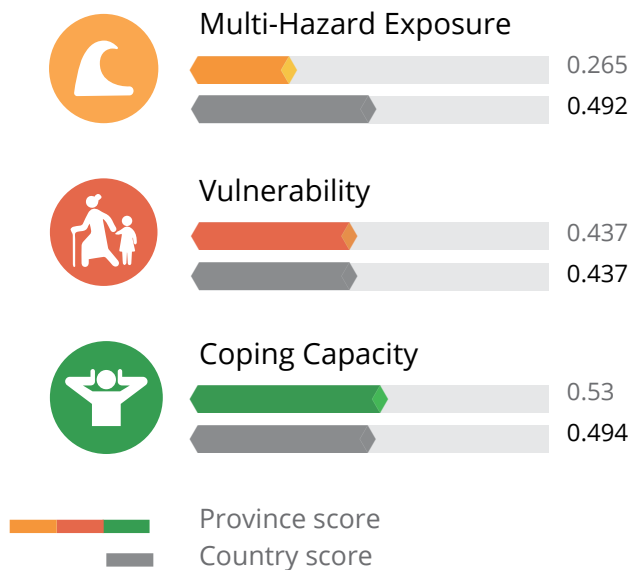
57 / 63

Rank within provinces
Score: 0.39



Ben Tre's score and ranking are due to very low Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BINH DINH

NDPBA PROVINCE PROFILE

VIỆT NAM BINH DINH

CAPITAL: QUI NHƠN

Area: 6,436 km²

Located in the south central coast of Viet Nam, Binh Dinh is characterized by mixed topography: mostly covered by mountains or hills in the west and lowlands near coastal areas. As one of the main gateways to the Central Highlands and its port, the province is the region's third largest industrial center (mainly based on furniture manufacturing) and also has strong agricultural, forestry, livestock, and fishing sectors. Rich in historical heritages, Binh Dinh is known by being the center of the old Cham Culture.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.517 • Rank: 20/63



RESILIENCE (R) - moderate
Score: 0.536 • Rank: 28/63



MULTI-HAZARD EXPOSURE - high
Score: 0.624 • Rank: 19/63



VULNERABILITY (V) - moderate
Score: 0.415 • Rank: 35/63



COPING CAPACITY (CC) - high
Score: 0.487 • Rank: 26/63



Population (2017)
1,572,836



Population in Poverty
9.1%



Illiterate population
3.9%



Access to improved water
96.1%



Average life expectancy
73.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 19 / 63 PROVINCES
SCORE: 0.624



MHE
0.624

Raw MHE
0.651

Relative MHE
0.686

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind

100.0%

1570997



Flood

14.8%

232309



Wildfire

5.6%

88109



Earthquake

0.0%

0



Landslide

0.0%

0



Extreme Temperature

100.0%

1572836



Surge

0.3%

4213



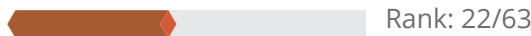
VULNERABILITY (V)

RANK: 35 / 63 PROVINCES
SCORE: 0.415

Vulnerability in Binh Dinh is primarily driven by Gender Inequality and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



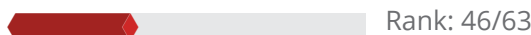
Environmental Stress



2.7% Forest Change
61.27 Livestock Density (per sq km)



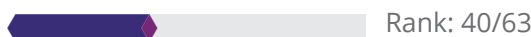
Vulnerable Health Status



73.1 Life Expectancy (years)
15.1 Infant Mortality Rate (per 1,000 live births)
5.0% Acute Malnutrition (Children <5)
39.2 Tuberculosis Incidence (per 100,000 persons)
26.08 Malaria Prevalance (per 100,000 persons)
34.9 HIV Prevalance (per 100,000 persons)



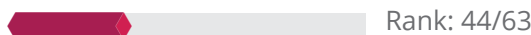
Clean Water Vulnerability



96.1% Households with Safe Water Access
69.7% Households with Hygienic Toilet Access



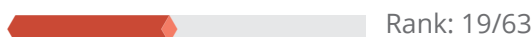
Information Access Vulnerability



3.9% Adult Illiteracy Rate
96.3% School Attendance Rate
86.0% Households without Internet
5.0% Housholds without TV



Economic Constraints



49.2 Economic Dependency Ratio
9.1% Poverty



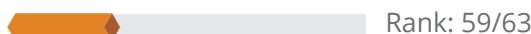
Gender Inequality



0.26 Income Inequality*
0.3 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
2.2% Average Annual Urban Population Change
1.1% Net Migration Rate



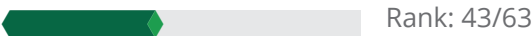
COPING CAPACITY (CC)

RANK: 26 / 63 PROVINCES
SCORE: 0.487

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



Economic Capacity



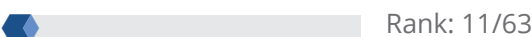
Rank: 43/63

6.48	4,261	30.14	5.82	7.75
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

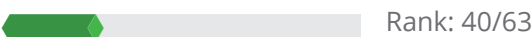


Rank: 11/63

6.31	6.46	6.67
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

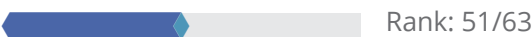


Rank: 40/63

4.9%
Protected Area



Infrastructure Capacity



Rank: 51/63



Health Care Capacity

Rank: 31/63

99.6%	22.45	5.17	14.02	18.2
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 59/63

4,140	160.2
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 34/63

83.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 28 / 63 PROVINCES
SCORE: 0.536

Binh Dinh's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Economic Constraints



Transportation Capacity



Economic Capacity



MULTI-HAZARD RISK

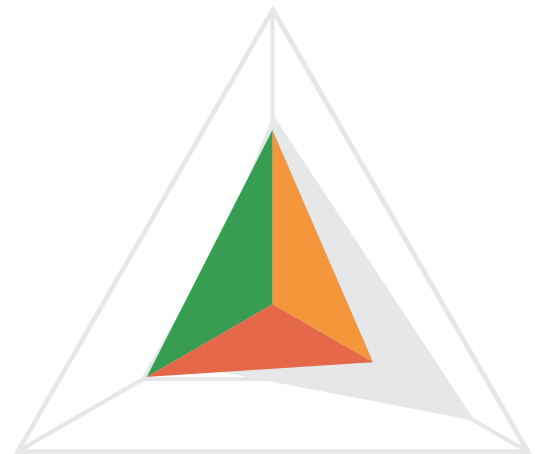
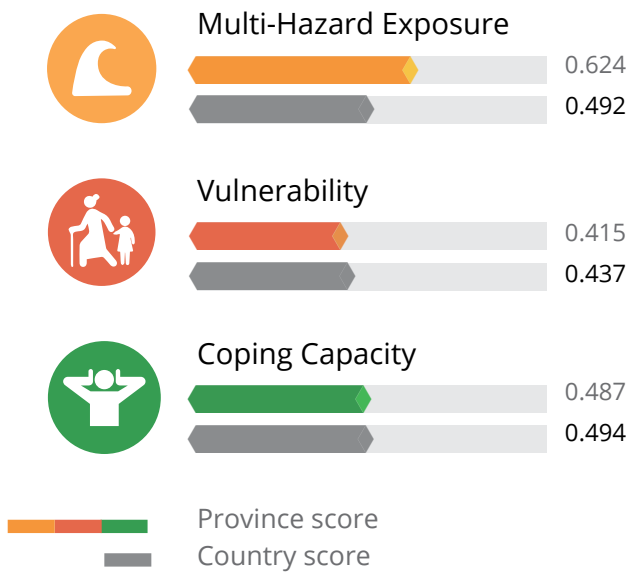


20 / 63

Rank within provinces
Score: 0.517

Binh Dinh's score and ranking are due to high Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

BINH DUONG

NDPBA PROVINCE PROFILE

VIỆT NAM BINH DUONG

CAPITAL: THỦ DẦU MỘT

Area: 2,806 km²

Neighboring Ho Chi Minh City to the north, Binh Duong is now the largest hub of industrial manufacturing in southern Viet Nam with 28 industrial parks. The plain terrain comprised with bazan and alluvial deposits and with a network of rivers and canals makes the province a good for industrial crop plantation and its products. Binh Duong is also known as land of new opportunities, attracting an influx of young and capable people from other provinces.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.479 • Rank: 30/63



RESILIENCE (R) - very high
Score: 0.6 • Rank: 12/63



MULTI-HAZARD EXPOSURE - high
Score: 0.636 • Rank: 14/63



VULNERABILITY (V) - low
Score: 0.387 • Rank: 48/63



COPING CAPACITY (CC) - very high
Score: 0.587 • Rank: 8/63



Population (2017)
2,290,486



Population in Poverty
0.0%



Illiterate population
2.7%



Access to improved water
99.8%



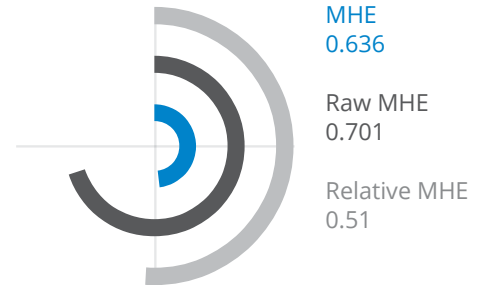
Average life expectancy
75.70 years

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

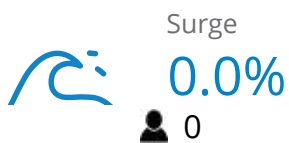
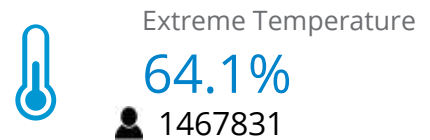
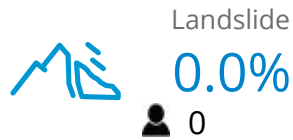


MULTI-HAZARD EXPOSURE

RANK: 14 / 63 PROVINCES
SCORE: 0.636



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





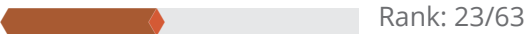
VULNERABILITY (V)

RANK: 48 / 63 PROVINCES
SCORE: 0.387

Vulnerability in Binh Duong is primarily driven by Population Pressures and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



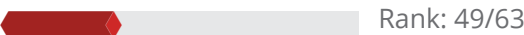
Environmental Stress



1.8% Forest Change
52.1 Livestock Density (per sq km)



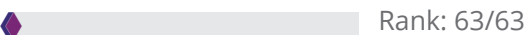
Vulnerable Health Status



75.7 Life Expectancy (years)
9 Infant Mortality Rate (per 1,000 live births)
7.6% Acute Malnutrition (Children <5)
61.4 Tuberculosis Incidence (per 100,000 persons)
4.4 Malaria Prevalance (per 100,000 persons)
150.9 HIV Prevalance (per 100,000 persons)



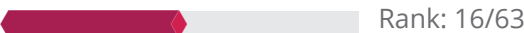
Clean Water Vulnerability



99.8% Households with Safe Water Access
98.7% Households with Hygienic Toilet Access



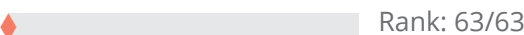
Information Access Vulnerability



2.7% Adult Illiteracy Rate
83.7% School Attendance Rate
85.0% Households without Internet
12.0% Housholds without TV



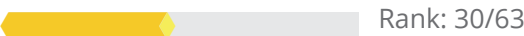
Economic Constraints



30.3 Economic Dependency Ratio
0.0% Poverty



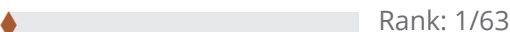
Gender Inequality



0.07 Income Inequality*
0.38 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



7.4% Average Annual Population Change
34.5% Average Annual Urban Population Change
42.0% Net Migration Rate



COPING CAPACITY (CC)

RANK: 8 / 63 PROVINCES
SCORE: 0.587

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



Economic Capacity

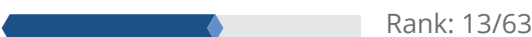


7.45	5,364	54.64	6.69	7.66
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



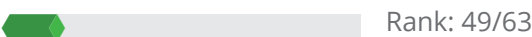
Governance



6.39	5.38	6.52
Law and Order*	Informal Charges*	Transparency*



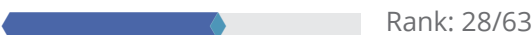
Environmental Capacity



1.5%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 60/63

98.3%	17.77	3.69	7.02	14.06
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 4/63

6,560	19.94
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 2/63

93.0%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 12 / 63 PROVINCES
SCORE: 0.6

Binh Duong's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Information Access Vulnerability



Health Care Capacity



Environmental Capacity



MULTI-HAZARD RISK

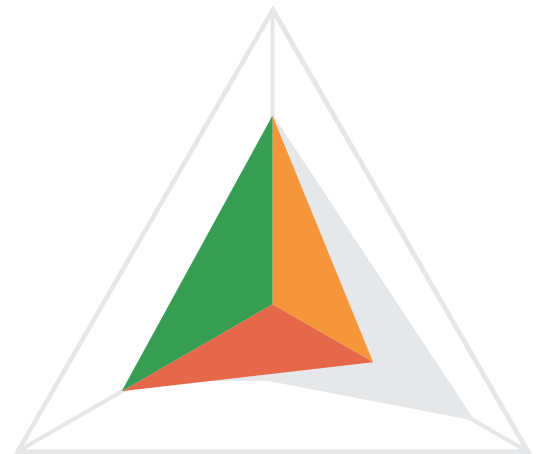
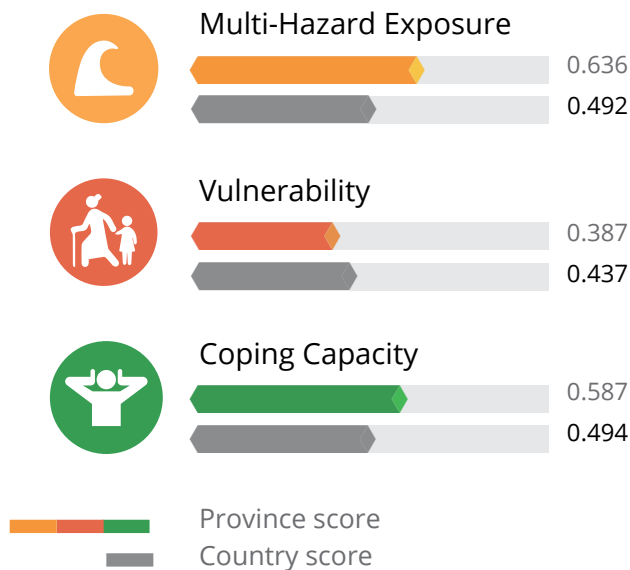
30 / 63

Rank within provinces
Score: 0.479



Binh Duong's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

BINH PHUOC

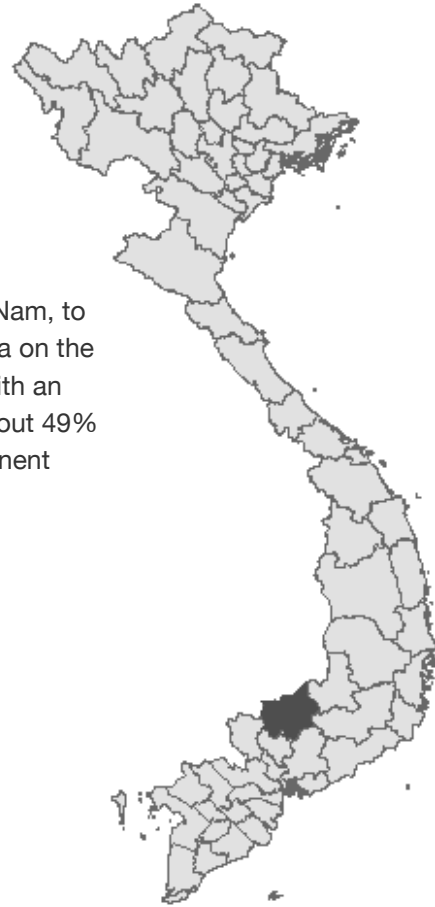
NDPBA PROVINCE PROFILE

VIỆT NAM BINH PHUOC

CAPITAL: ĐỒNG XOÀI

Area: 7,236 km²

Binh Phuoc is a province located in the southeast region of Viet Nam, to the north of Ho Chi Minh City and shares a border with Cambodia on the north and northwest. The terrain in Binh Phuoc is relatively flat with an elevation of between 50 and 200 meters and forests covering about 49% of total land. A predominantly rural province, Binh Phuoc's prominent products are cashew nuts and rubber and food processing.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.527 • Rank: 17/63



RESILIENCE (R) - moderate
Score: 0.518 • Rank: 34/63



MULTI-HAZARD EXPOSURE - high
Score: 0.616 • Rank: 20/63



VULNERABILITY (V) - low
Score: 0.401 • Rank: 43/63



COPING CAPACITY (CC) - low
Score: 0.437 • Rank: 46/63



Population (2017)
1,003,114



Population in Poverty
6.0%



Illiterate population
6.6%



Access to improved water
90.8%



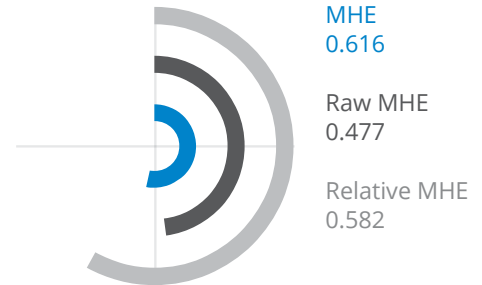
Average life expectancy
73.50 years

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

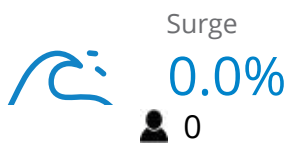
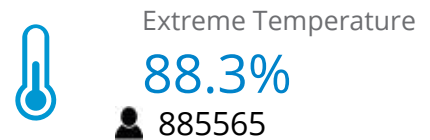
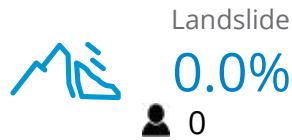
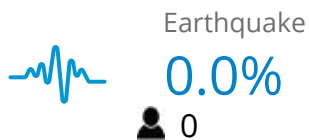
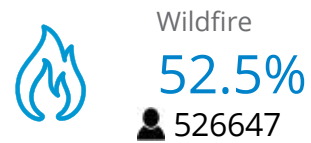
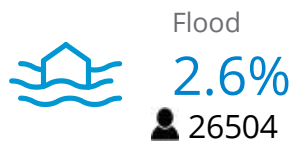


MULTI-HAZARD EXPOSURE

RANK: 20 / 63 PROVINCES
SCORE: 0.616



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





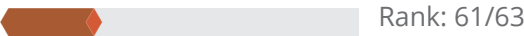
VULNERABILITY (V)

RANK: 43 / 63 PROVINCES
SCORE: 0.401

Vulnerability in Binh Phuoc is primarily driven by Population Pressures and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



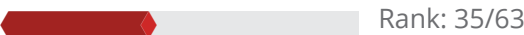
Environmental Stress



2.9% Forest Change
12.6 Livestock Density (per sq km)



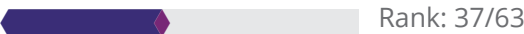
Vulnerable Health Status



73.5 Life Expectancy (years)
14 Infant Mortality Rate (per 1,000 live births)
6.0% Acute Malnutrition (Children <5)
48.4 Tuberculosis Incidence (per 100,000 persons)
170.49 Malaria Prevalance (per 100,000 persons)
186.7 HIV Prevalance (per 100,000 persons)



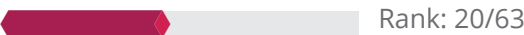
Clean Water Vulnerability



90.8% Households with Safe Water Access
73.7% Households with Hygienic Toilet Access



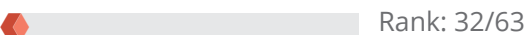
Information Access Vulnerability



6.6% Adult Illiteracy Rate
87.8% School Attendance Rate
84.0% Households without Internet
6.0% Housholds without TV



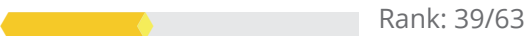
Economic Constraints



47 Economic Dependency Ratio
6.0% Poverty



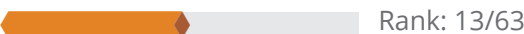
Gender Inequality



0.08 Income Inequality*
0.3 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.8% Average Annual Population Change
6.2% Average Annual Urban Population Change
0.5% Net Migration Rate



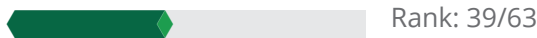
COPING CAPACITY (CC)

RANK: 46 / 63 PROVINCES
SCORE: 0.437

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



Economic Capacity

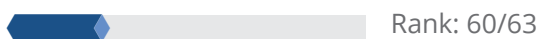


5.76	4,403	31.52	5.51	7.95
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



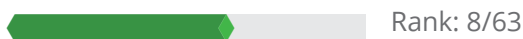
Governance



4.02	4.95	6.36
Law and Order*	Informal Charges*	Transparency*



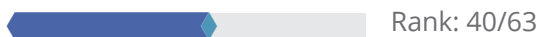
Environmental Capacity



29.7%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 56/63

93.7%	28.15	4.26	11.92	12.22
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 26/63

4,330	53.52
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 8/63

90.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 34 / 63 PROVINCES
SCORE: 0.518

Binh Phuoc's score and ranking are due to low Vulnerability combined with low Coping Capacity scores.

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



Population Pressures



Information Access Vulnerability



Governance



Health Care Capacity



MULTI-HAZARD RISK

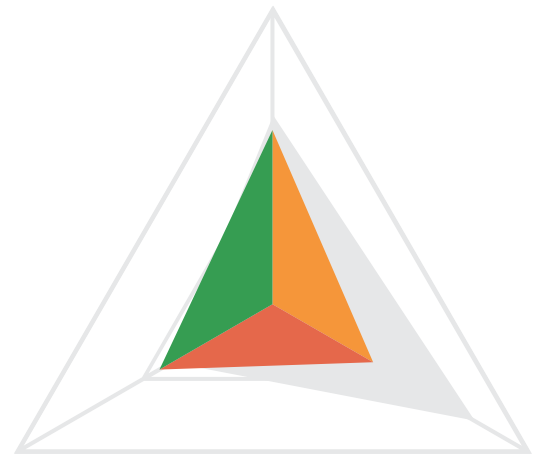
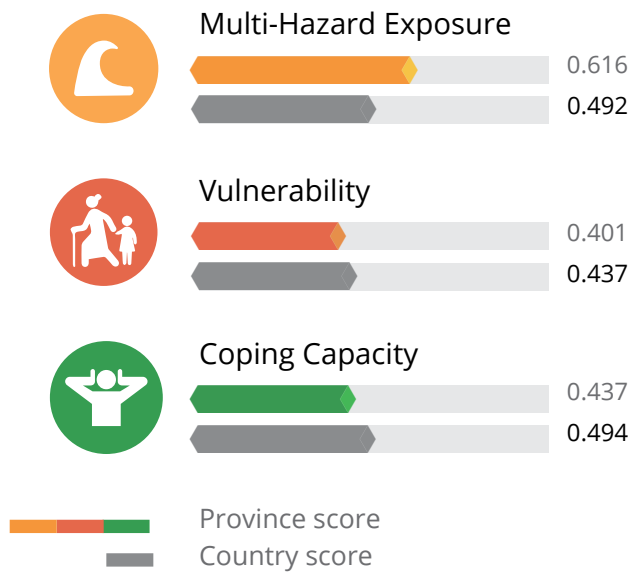
17 / 63

Rank within provinces
Score: 0.527



Binh Phuoc's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

BINH THUAN

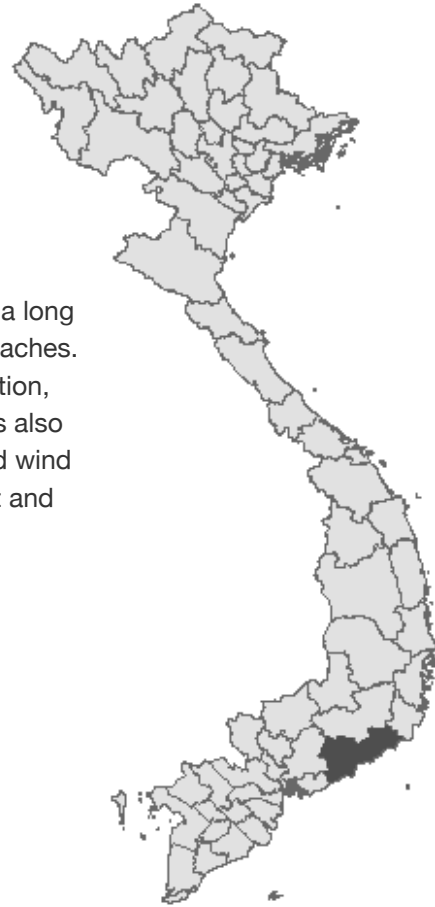
NDPBA PROVINCE PROFILE

VIỆT NAM BINH THUAN

CAPITAL: PHAN THIẾT

Area: 8,296 km²

Located on the Viet Nam's South Central Coast, Binh Thuan has a long coastline of over 192km and is well known for its scenery and beaches. The province's economy is mostly based on tourism, salt production, fishing and agricultural cultivation and its products. Binh Thuan is also known for titanium reserves and significant potential for solar and wind power generation. The province is vulnerable to frequent drought and strong seasonal sea waves.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.463 • Rank: 39/63



RESILIENCE (R) - high
Score: 0.539 • Rank: 26/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.466 • Rank: 38/63



VULNERABILITY (V) - low
Score: 0.409 • Rank: 37/63



COPING CAPACITY (CC) - moderate
Score: 0.487 • Rank: 27/63



Population (2017)
1,228,312



Population in Poverty
3.8%



Illiterate population
6.7%



Access to improved water
96.0%



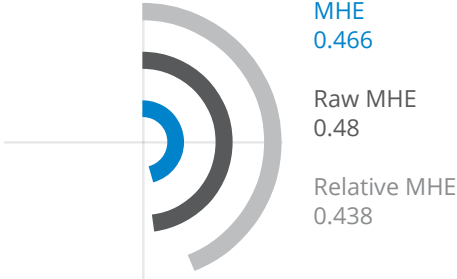
Average life expectancy
74.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 38 / 63 PROVINCES
SCORE: 0.466



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1220713



Flood
12.7%
155924



Wildfire
22.6%
277536



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
45.5%
558359



Surge
0.0%
0



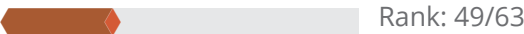
VULNERABILITY (V)

RANK: 37 / 63 PROVINCES
SCORE: 0.409

Vulnerability in Binh Thuan is primarily driven by Gender Inequality and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



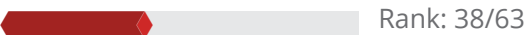
Environmental Stress



2.7% Forest Change
21.92 Livestock Density (per sq km)



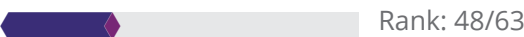
Vulnerable Health Status



74.1 Life Expectancy (years)
12.5 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
121.6 Tuberculosis Incidence (per 100,000 persons)
46.3 Malaria Prevalance (per 100,000 persons)
99.2 HIV Prevalance (per 100,000 persons)



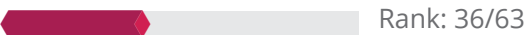
Clean Water Vulnerability



96.0% Households with Safe Water Access
82.5% Households with Hygienic Toilet Access



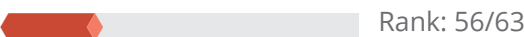
Information Access Vulnerability



6.7% Adult Illiteracy Rate
90.3% School Attendance Rate
84.0% Households without Internet
4.0% Housholds without TV



Economic Constraints



42.4 Economic Dependency Ratio
3.8% Poverty



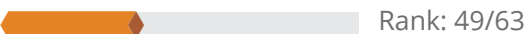
Gender Inequality



0.24 Income Inequality*
0.49 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
1.9% Average Annual Urban Population Change
2.1% Net Migration Rate



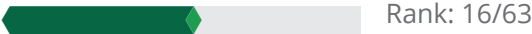
COPING CAPACITY (CC)

RANK: 27 / 63 PROVINCES
SCORE: 0.487

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



Economic Capacity



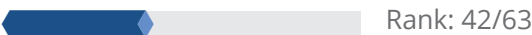
Rank: 16/63

6.22	4,032	29.88	6.95	8.19
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

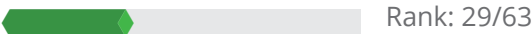


Rank: 42/63

4.82	5.58	6.42
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

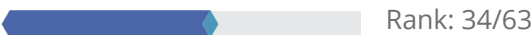


Rank: 29/63

8.9%
Protected Area



Infrastructure Capacity



Rank: 34/63



Health Care Capacity Rank: 46/63

95.3%	30.07	5.13	12.65	14.36
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 23/63

4,044	37.62
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 30/63

84.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 26 / 63 PROVINCES
SCORE: 0.539

Binh Thuan's score and ranking are due to low Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Vulnerable Health Status



Governance



Health Care Capacity



MULTI-HAZARD RISK

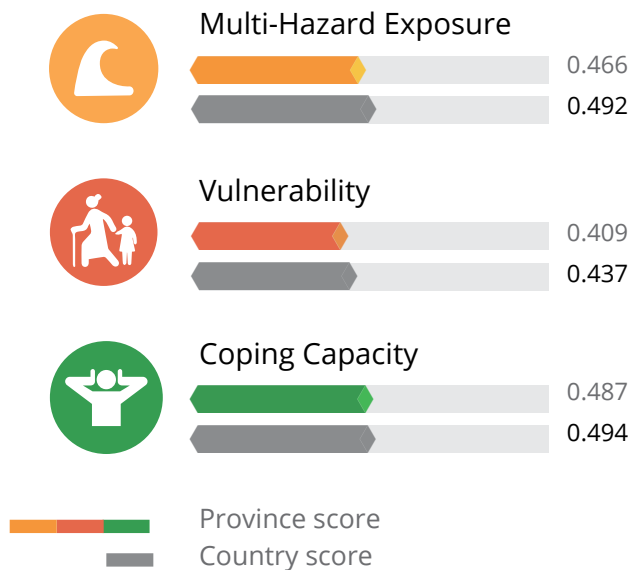
39 / 63

Rank within provinces
Score: 0.463



Binh Thuan's score and ranking are due to moderate Multi-hazard exposure combined with low Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

CA MAU

NDPBA PROVINCE PROFILE

VIỆT NAM CA MAU

CAPITAL: CÀ MAU

Area: 5,303 km²

Located in the Mekong Delta region, Ca Mau is the southernmost province of Viet Nam, bordering to the west by the Gulf of Thailand, and to the south and east by the East Sea. Surrounded by sea and accompanied by a complex rivers and canals network, the province is well-known for swampland and mangrove forests (e.g., U Minh biosphere reserve and Mũi Cà Mau national park). Ca Mau's economy is based on fishing, aquaculture, agriculture and ecotourism, while industry is mostly seafood processing.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.363 • Rank: 60/63



RESILIENCE (R) - very high
Score: 0.601 • Rank: 11/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.29 • Rank: 54/63



VULNERABILITY (V) - very low
Score: 0.354 • Rank: 54/63



COPING CAPACITY (CC) - very high
Score: 0.555 • Rank: 13/63



Population (2017)
1,272,333



Population in Poverty
4.7%



Illiterate population
4.4%



Access to improved water
99.3%



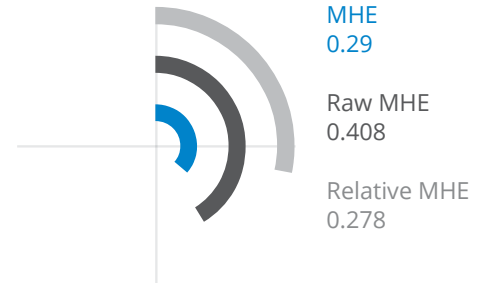
Average life expectancy
74.60 years

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

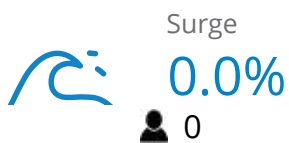
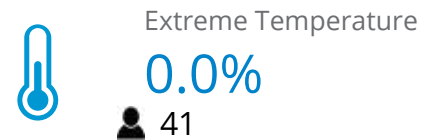
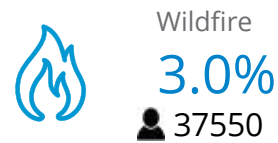
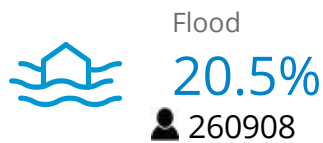


MULTI-HAZARD EXPOSURE

RANK: 54 / 63 PROVINCES
SCORE: 0.29



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





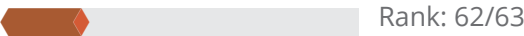
VULNERABILITY (V)

RANK: 54 / 63 PROVINCES
SCORE: 0.354

Vulnerability in Ca Mau is primarily driven by Information Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



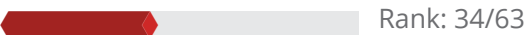
Environmental Stress



2.5% Forest Change
6.7 Livestock Density (per sq km)



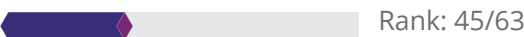
Vulnerable Health Status



74.6 Life Expectancy (years)
11.3 Infant Mortality Rate (per 1,000 live births)
8.6% Acute Malnutrition (Children <5)
74.5 Tuberculosis Incidence (per 100,000 persons)
5.67 Malaria Prevalance (per 100,000 persons)
202.4 HIV Prevalance (per 100,000 persons)



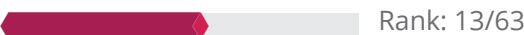
Clean Water Vulnerability



99.3% Households with Safe Water Access
59.2% Households with Hygienic Toilet Access



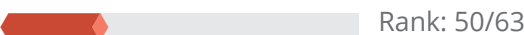
Information Access Vulnerability



4.4% Adult Illiteracy Rate
77.8% School Attendance Rate
89.0% Households without Internet
6.0% Housholds without TV



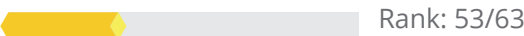
Economic Constraints



42.4 Economic Dependency Ratio
4.7% Poverty



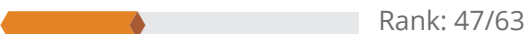
Gender Inequality



0.17 Income Inequality*
0.06 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
1.8% Average Annual Urban Population Change
7.2% Net Migration Rate



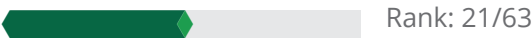
COPING CAPACITY (CC)

RANK: 13 / 63 PROVINCES
SCORE: 0.555

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



Economic Capacity



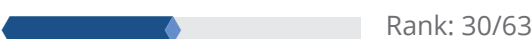
Rank: 21/63

7.01	4,125	38.2	6.3	7.97
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

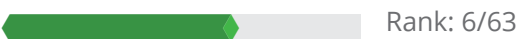


Rank: 30/63

5.45	6.42	5.81
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

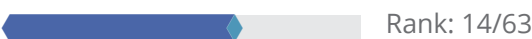


Rank: 6/63

32.5%
Protected Area



Infrastructure Capacity



Rank: 14/63



Health Care Capacity

Rank: 36/63

98.4%	26.24	4.9	10.15	9.32
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 15/63

4,366	35.02
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 5/63

91.5%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 11 / 63 PROVINCES
SCORE: 0.601

Ca Mau's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Information Access Vulnerability



Vulnerable Health Status



Governance



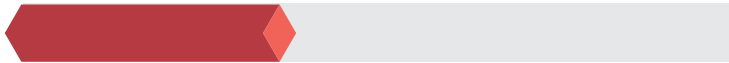
Health Care Capacity



MULTI-HAZARD RISK

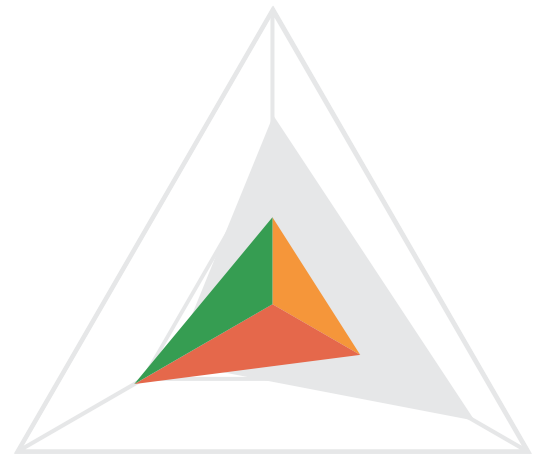
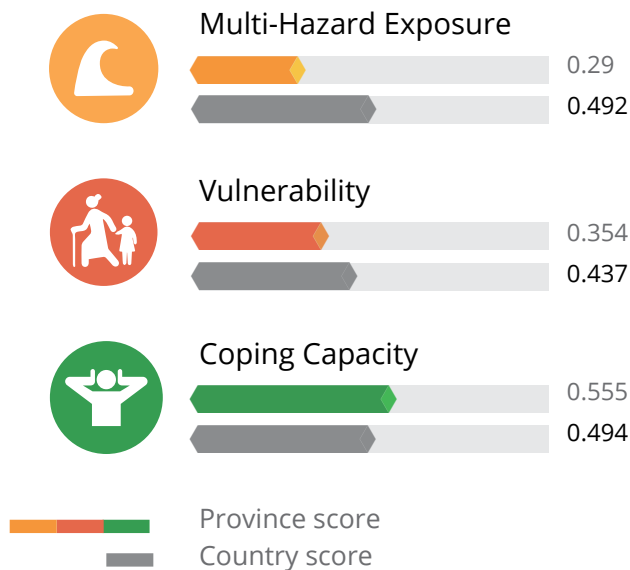
60 / 63

Rank within provinces
Score: 0.363



Ca Mau's score and ranking are due to very low Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

CAN THO

NDPBA PROVINCE PROFILE

VIỆT NAM CAN THO

CAPITAL: CAN

Area: 1,496 km²

The fourth largest city in Viet Nam, Can Tho city is the center of the Mekong Delta in terms of economics, culture, science, and technology. Located on the south bank of the Hau River, the city is noted for its floating market, rice paper-making village, and picturesque rural canals. As the main transportation hub for the Lower Mekong Delta region, Can Tho's economic development is growing fast mainly based on industry and service.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.438 • Rank: 46/63



RESILIENCE (R) - very high
Score: 0.602 • Rank: 9/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.517 • Rank: 29/63



VULNERABILITY (V) - low
Score: 0.375 • Rank: 50/63



COPING CAPACITY (CC) - very high
Score: 0.58 • Rank: 9/63



Population (2017)
1,285,754



Population in Poverty
3.1%



Illiterate population
5.8%



Access to improved water
86.5%



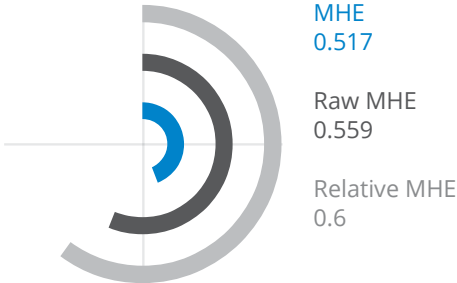
Average life expectancy
75.60 years

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



MULTI-HAZARD EXPOSURE

RANK: 29 / 63 PROVINCES
SCORE: 0.517



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1285754



Flood
95.0%
1221008



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



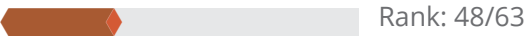
VULNERABILITY (V)

RANK: 50 / 63 PROVINCES
SCORE: 0.375

Vulnerability in Can Tho is primarily driven by Population Pressures and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



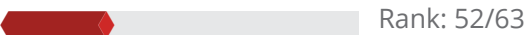
Environmental Stress



2.6% Forest Change
22.29 Livestock Density (per sq km)



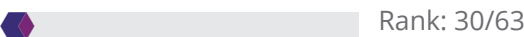
Vulnerable Health Status



75.6 Life Expectancy (years)
9.3 Infant Mortality Rate (per 1,000 live births)
5.9% Acute Malnutrition (Children <5)
103.2 Tuberculosis Incidence (per 100,000 persons)
0.24 Malaria Prevalance (per 100,000 persons)
410.7 HIV Prevalance (per 100,000 persons)



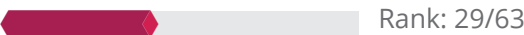
Clean Water Vulnerability



86.5% Households with Safe Water Access
69.0% Households with Hygienic Toilet Access



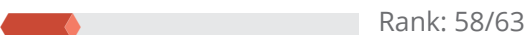
Information Access Vulnerability



5.8% Adult Illiteracy Rate
85.4% School Attendance Rate
77.0% Households without Internet
7.0% Housholds without TV



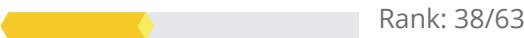
Economic Constraints



38.9 Economic Dependency Ratio
3.1% Poverty



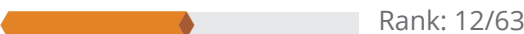
Gender Inequality



0.12 Income Inequality*
0.23 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
4.5% Average Annual Urban Population Change
4.6% Net Migration Rate



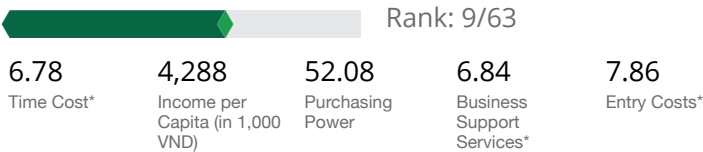
COPING CAPACITY (CC)

RANK: 9 / 63 PROVINCES
SCORE: 0.58

Can Tho exhibits weaker Coping Capacity in the areas of Environmental Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



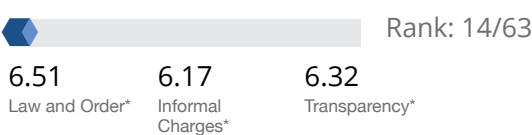
Economic Capacity



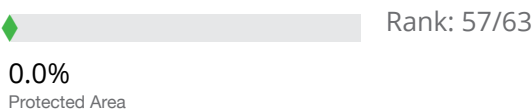
*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance



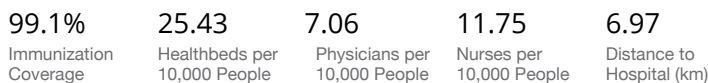
Environmental Capacity



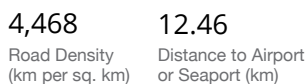
Infrastructure Capacity



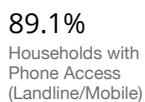
Health Care Capacity Rank: 19/63



Transportation Capacity Rank: 9/63



Communications Capacity Rank: 10/63





RESILIENCE (R)

RANK: 9 / 63 PROVINCES
SCORE: 0.602

Can Tho's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Clean Water Access Vulnerability



Environmental Capacity



Governance



MULTI-HAZARD RISK

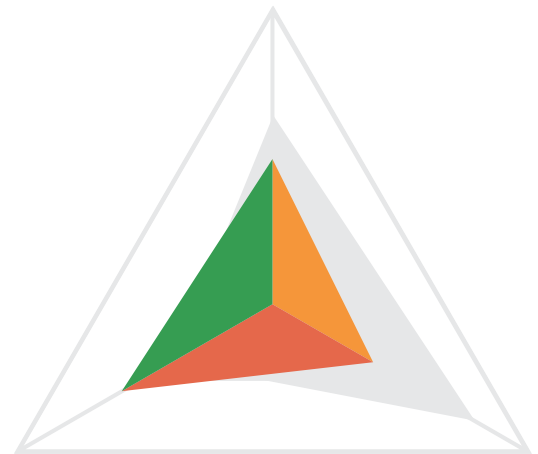
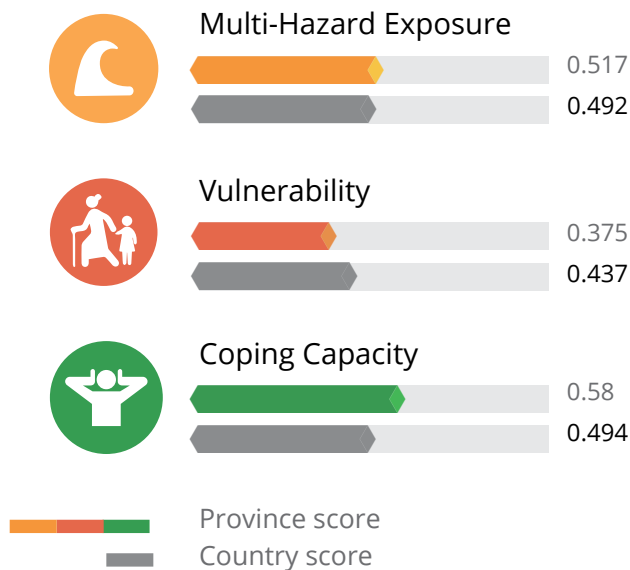
46 / 63

Rank within provinces
Score: 0.438



Can Tho's score and ranking are due to moderate Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

CAO BANG

NDPBA PROVINCE PROFILE

VIỆT NAM CAO BANG

CAPITAL: CAO BẰNG

Area: 7,949 km²

Cao Bang is located in the northern part of Viet Nam sharing a border with China to the north. The province is covered with mountains and hills and is home to many people from ethnic minority groups, namely Tay, Nung, Dao, and Hmong with distinctive cultural heritages. Cao Bang is one of the poorest region in northern Viet Nam with the economy centered mostly on agriculture and forestry.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.452 • Rank: 42/63



RESILIENCE (R) - very low
Score: 0.406 • Rank: 60/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.168 • Rank: 61/63



VULNERABILITY (V) - very high
Score: 0.579 • Rank: 5/63



COPING CAPACITY (CC) - very low
Score: 0.391 • Rank: 60/63



Population (2017)
542,733



Population in Poverty
24.4%



Illiterate population
14.5%



Access to improved water
35.8%



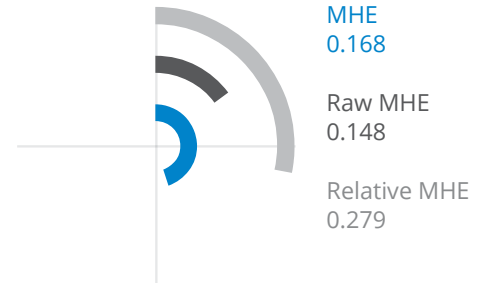
Average life expectancy
70.00 years

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

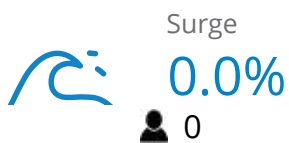
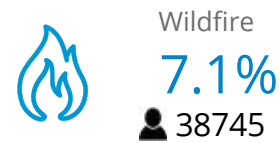
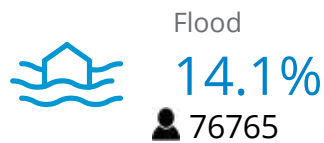
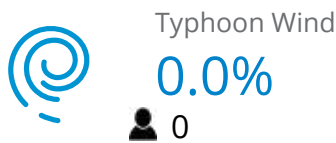


MULTI-HAZARD EXPOSURE

RANK: 61 / 63 PROVINCES
SCORE: 0.168



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





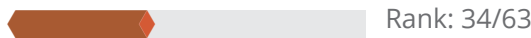
VULNERABILITY (V)

RANK: 5 / 63 PROVINCES
SCORE: 0.579

Vulnerability in Cao Bang is primarily driven by Clean Water Access Vulnerability and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



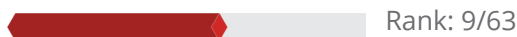
Environmental Stress



1.4% Forest Change
36.38 Livestock Density (per sq km)



Vulnerable Health Status



70 Life Expectancy (years)
23.9 Infant Mortality Rate (per 1,000 live births)
6.9% Acute Malnutrition (Children <5)
24.6 Tuberculosis Incidence (per 100,000 persons)
212.42 Malaria Prevalance (per 100,000 persons)
407.7 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



35.8% Households with Safe Water Access
32.0% Households with Hygienic Toilet Access



Information Access Vulnerability



14.5% Adult Illiteracy Rate
77.0% School Attendance Rate
87.0% Households without Internet
22.0% Housholds without TV



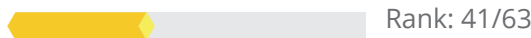
Economic Constraints



47 Economic Dependency Ratio
24.4% Poverty



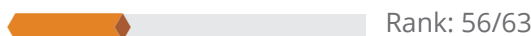
Gender Inequality



0.07 Income Inequality*
0.3 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.4% Average Annual Population Change
6.4% Average Annual Urban Population Change
0.1% Net Migration Rate



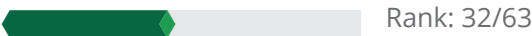
COPING CAPACITY (CC)

RANK: 60 / 63 PROVINCES
SCORE: 0.391

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



Economic Capacity

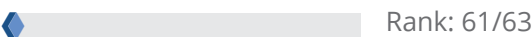


5.03	4,945	10.27	7.18	7.28
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



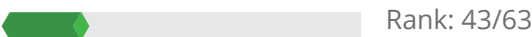
Governance



5.61	4.1	5.72
Law and Order*	Informal Charges*	Transparency*



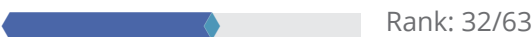
Environmental Capacity



3.4%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 4/63

95.5%	42.52	13.46	22.78	21.32
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 53/63

1,808	76.97
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 57/63

73.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 60 / 63 PROVINCES
SCORE: 0.406

Cao Bang's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Information
Access
Vulnerability



Governance



Transportation
Capacity



MULTI-HAZARD RISK

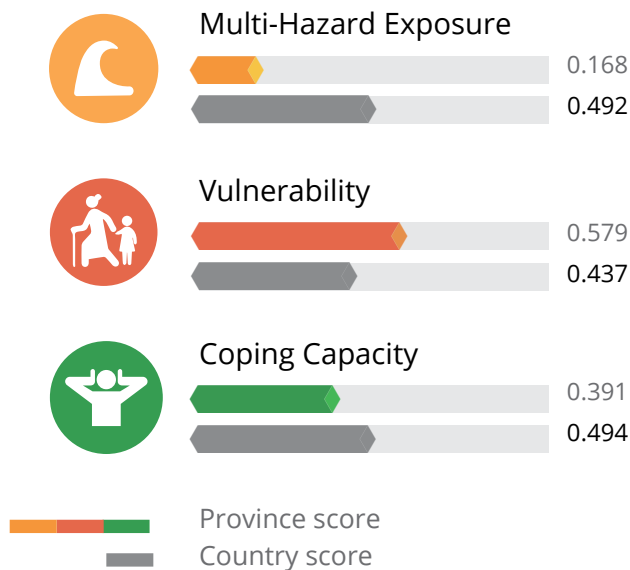
42 / 63

Rank within provinces
Score: 0.452



Cao Bang's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

DA NANG

NDPBA PROVINCE PROFILE

VIỆT NAM ĐÀ NẴNG

CAPITAL: HẢI CHÂU DISTRICT

Area: 1,065 km²

Located on the coast of the East Sea at the mouth of the Han River, Da Nang city is the commercial and educational center of central Viet Nam and the fifth largest city in the country. As one of the most important port cities in Viet Nam, Da Nang has the highest urbanization rate and rapid industrial development with six industrial parks. With rich scenery and cultural heritages and heavy investment, the tourism sector is a vital component of Da Nang's economy. The city consists of both coastal and mountainous terrain, and is susceptible to damage from typhoons and flooding during the wet season.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.333 • Rank: 63/63



RESILIENCE (R) - very high
Score: 0.749 • Rank: 1/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.496 • Rank: 32/63



VULNERABILITY (V) - very low
Score: 0.288 • Rank: 63/63



COPING CAPACITY (CC) - very high
Score: 0.786 • Rank: 1/63



Population (2017)
1,008,358



Population in Poverty
0.8%



Illiterate population
2.5%



Access to improved water
99.3%



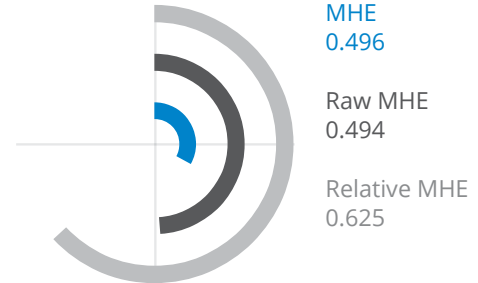
Average life expectancy
75.80 years

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

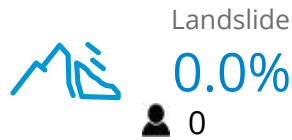
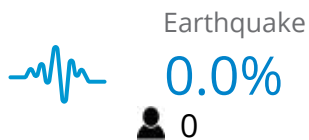
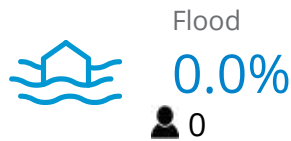


MULTI-HAZARD EXPOSURE

RANK: 32 / 63 PROVINCES
SCORE: 0.496



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





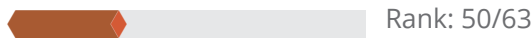
VULNERABILITY (V)

RANK: 63 / 63 PROVINCES
SCORE: 0.288

Vulnerability in Da Nang is primarily driven by Population Pressures and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



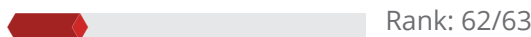
Environmental Stress



2.5% Forest Change
20.79 Livestock Density (per sq km)



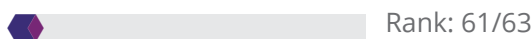
Vulnerable Health Status



75.8 Life Expectancy (years)
8.8 Infant Mortality Rate (per 1,000 live births)
4.0% Acute Malnutrition (Children <5)
80.7 Tuberculosis Incidence (per 100,000 persons)
2.68 Malaria Prevalance (per 100,000 persons)
73.7 HIV Prevalance (per 100,000 persons)



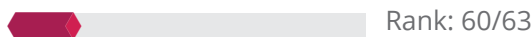
Clean Water Vulnerability



99.3% Households with Safe Water Access
98.6% Households with Hygienic Toilet Access



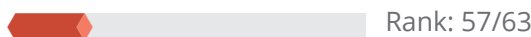
Information Access Vulnerability



2.5% Adult Illiteracy Rate
98.2% School Attendance Rate
56.0% Households without Internet
7.0% Housholds without TV



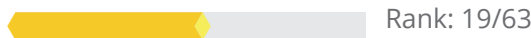
Economic Constraints



42.5 Economic Dependency Ratio
0.8% Poverty



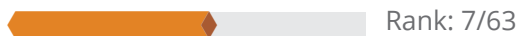
Gender Inequality



0.2 Income Inequality*
0.24 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



2.7% Average Annual Population Change
3.3% Average Annual Urban Population Change
4.9% Net Migration Rate



COPING CAPACITY (CC)

RANK: 1 / 63 PROVINCES
SCORE: 0.786

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



Economic Capacity



Rank: 2/63

7.76	5,522	59.26	6.93	8.55
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance



Rank: 4/63

6.74	6.29	6.46
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 4/63

44.3%
Protected Area



Infrastructure Capacity



Rank: 1/63



Health Care Capacity Rank: 1/63

99.2%	46.76	9.25	17.75	12.61
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 17/63

3,435	22.95
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 1/63

93.5%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 1 / 63 PROVINCES
SCORE: 0.749

Da Nang's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Gender Inequality



Transportation Capacity



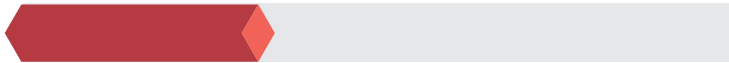
Governance



MULTI-HAZARD RISK

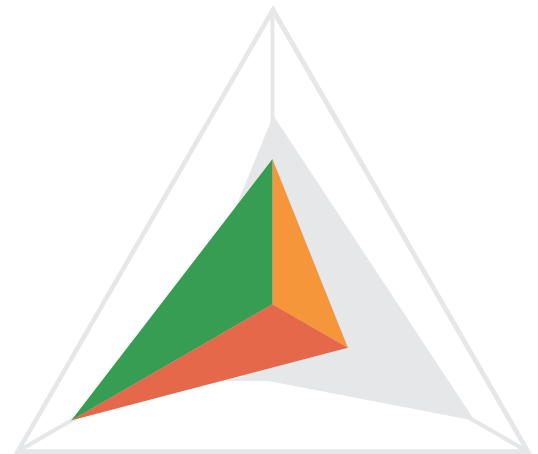
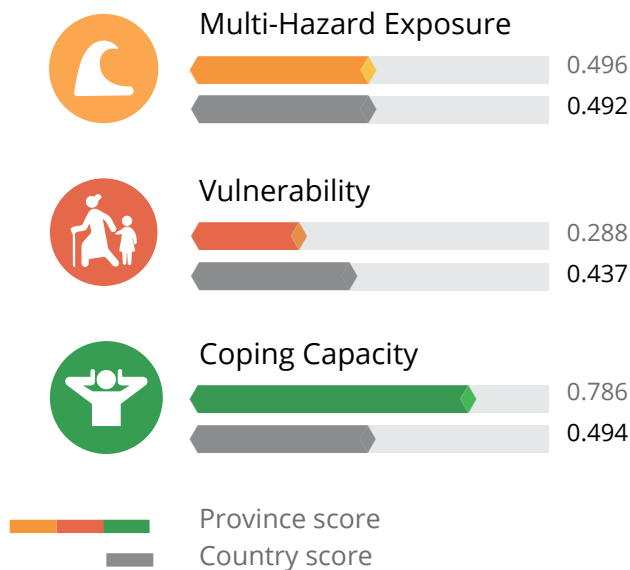
63 / 63

Rank within provinces
Score: 0.333



Da Nang's score and ranking are due to moderate Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

DAK LAK

NDPBA PROVINCE PROFILE

VIỆT NAM DAK LAK

CAPITAL: BUÔN MA THUỘT

Area: 13,898 km²

Located in the center of Viet Nam’s Central Highland, Dak Lak is on a plateau of around 400-800m and shares a border with Cambodia to the west. The region is known for the diverse yet deeply-rooted traditions and cultures - home to a high number of indigenous people namely E
 ☐e, Ja rai, M’ngong. Prominent outputs of the province are coffee, fruit, rubber, tea and pepper while tourism and hydropower also play a role in Dak Lak’s economy.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.513 • Rank: 21/63



RESILIENCE (R) - very low
Score: 0.479 • Rank: 52/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.499 • Rank: 31/63



VULNERABILITY (V) - very high
Score: 0.501 • Rank: 12/63



COPING CAPACITY (CC) - low
Score: 0.46 • Rank: 40/63



Population (2017)
1,941,816



Population in Poverty
10.0%



Illiterate population
7.1%



Access to improved water
79.4%



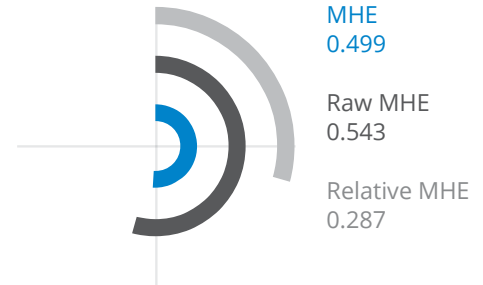
Average life expectancy
70.10 years

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

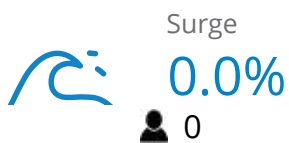
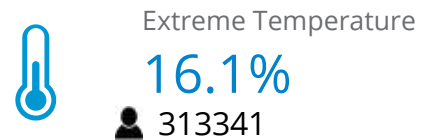
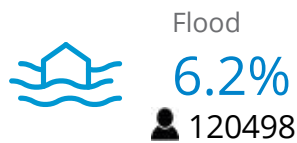


MULTI-HAZARD EXPOSURE

RANK: 31 / 63 PROVINCES
SCORE: 0.499



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





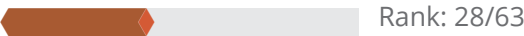
VULNERABILITY (V)

RANK: 12 / 63 PROVINCES
SCORE: 0.501

Vulnerability in Dak Lak is primarily driven by Clean Water Access Vulnerability and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



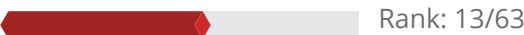
Environmental Stress



-3.2% Forest Change
24.57 Livestock Density (per sq km)



Vulnerable Health Status



70.1 Life Expectancy (years)
24 Infant Mortality Rate (per 1,000 live births)
7.2% Acute Malnutrition (Children <5)
30.6 Tuberculosis Incidence (per 100,000 persons)
125.18 Malaria Prevalance (per 100,000 persons)
93.1 HIV Prevalance (per 100,000 persons)



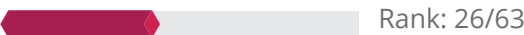
Clean Water Vulnerability



79.4% Households with Safe Water Access
48.0% Households with Hygienic Toilet Access



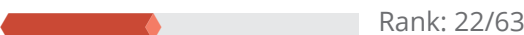
Information Access Vulnerability



7.1% Adult Illiteracy Rate
89.2% School Attendance Rate
82.0% Households without Internet
6.0% Housholds without TV



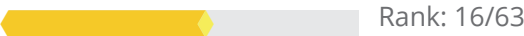
Economic Constraints



46.5 Economic Dependency Ratio
10.0% Poverty



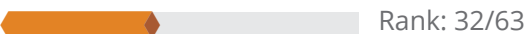
Gender Inequality



0.14 Income Inequality*
0.39 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.2% Average Annual Population Change
2.3% Average Annual Urban Population Change
2.0% Net Migration Rate



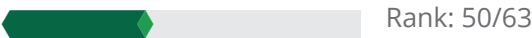
COPING CAPACITY (CC)

RANK: 40 / 63 PROVINCES
SCORE: 0.46

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



Economic Capacity



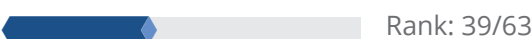
Rank: 50/63

6.02	3,957	28.14	6.8	6.99
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

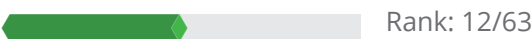


Rank: 39/63

5.84	4.88	6.34
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

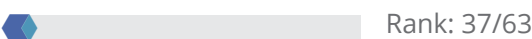


Rank: 12/63

19.0%
Protected Area



Infrastructure Capacity



Rank: 37/63



Health Care Capacity

Rank: 54/63

93.9%	25.64	5.87	11.17	14.39
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 18/63

4,967	44.56
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 21/63

87.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 52 / 63 PROVINCES
SCORE: 0.479

Dak Lak's score and ranking are due to very high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Gender Inequality



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

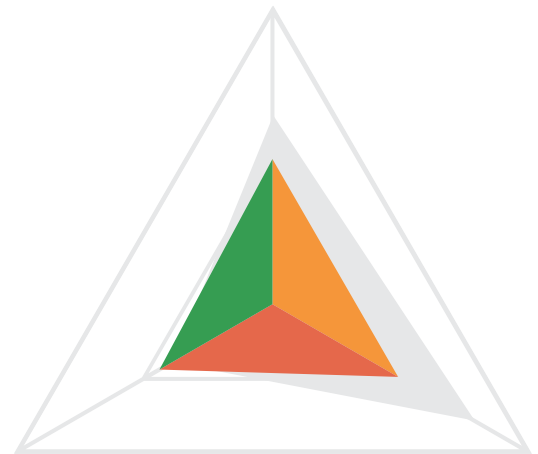
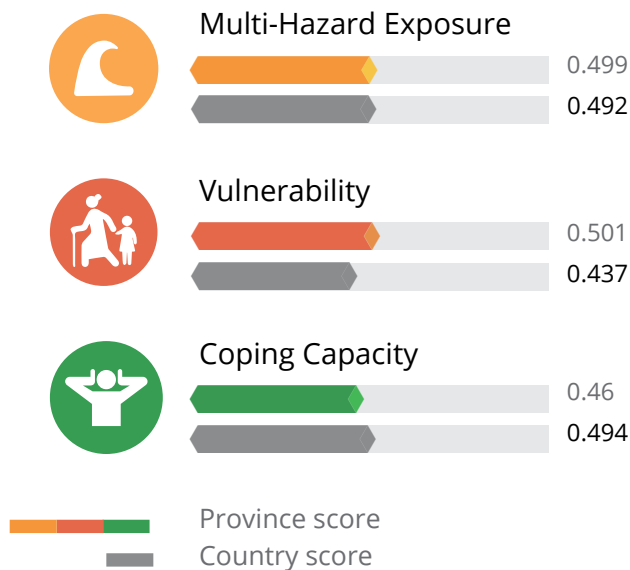
21 / 63

Rank within provinces
Score: 0.513



Dak Lak's score and ranking are due to moderate Multi-hazard exposure combined with very high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

DAK NONG

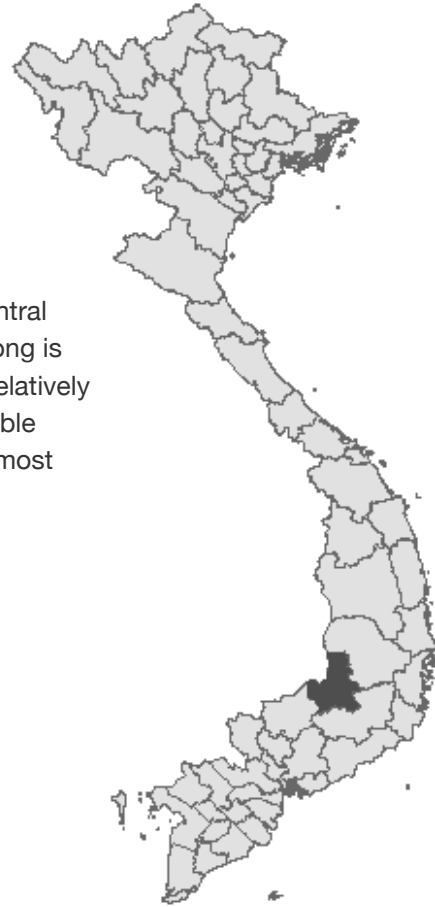
NDPBA PROVINCE PROFILE

VIỆT NAM DAK NONG

CAPITAL: GIA NGHĨA

Area: 6,846 km²

Dak Nong province is located in the southwestern part of the Central Highland of Viet Nam, adjacent to Cambodia to the west. Dak Nong is quite similar to Dak Lak in terms of geography and culture. The relatively flat cultivated surface with mainly bazon makes Dak Nong favorable for long-day industrial crops. Coffee, pepper and rubber are the most important products of the province.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.488 • Rank: 28/63



RESILIENCE (R) - very low
Score: 0.423 • Rank: 58/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.309 • Rank: 52/63



VULNERABILITY (V) - very high
Score: 0.513 • Rank: 9/63



COPING CAPACITY (CC) - very low
Score: 0.359 • Rank: 62/63



Population (2017)
607,165



Population in Poverty
15.7%



Illiterate population
6.3%



Access to improved water
89.3%



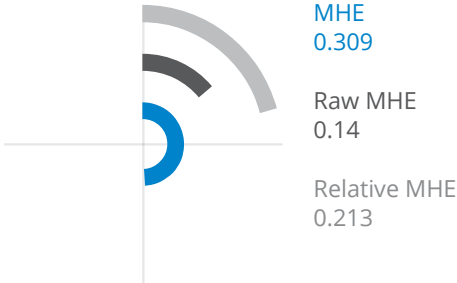
Average life expectancy
69.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 52 / 63 PROVINCES
SCORE: 0.309



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
607138



Flood
5.3%
31912



Wildfire
60.7%
368489



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



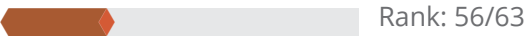
VULNERABILITY (V)

RANK: 9 / 63 PROVINCES
SCORE: 0.513

Vulnerability in Dak Nong is primarily driven by Economic Constraints and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



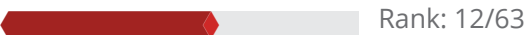
Environmental Stress



-2.1% Forest Change
7.64 Livestock Density (per sq km)



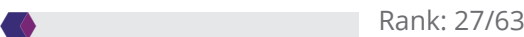
Vulnerable Health Status



69.2 Life Expectancy (years)
25.7 Infant Mortality Rate (per 1,000 live births)
7.1% Acute Malnutrition (Children <5)
27.1 Tuberculosis Incidence (per 100,000 persons)
109.57 Malaria Prevalance (per 100,000 persons)
93.5 HIV Prevalance (per 100,000 persons)



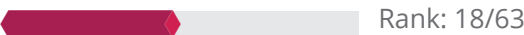
Clean Water Vulnerability



89.3% Households with Safe Water Access
58.4% Households with Hygienic Toilet Access



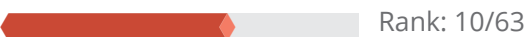
Information Access Vulnerability



6.3% Adult Illiteracy Rate
87.6% School Attendance Rate
87.0% Households without Internet
6.0% Housholds without TV



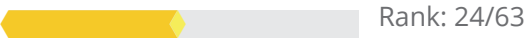
Economic Constraints



54.1 Economic Dependency Ratio
15.7% Poverty



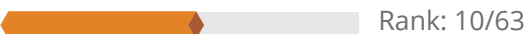
Gender Inequality



0.11 Income Inequality*
0.34 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



3.9% Average Annual Population Change
4.5% Average Annual Urban Population Change
1.1% Net Migration Rate



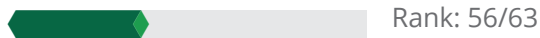
COPING CAPACITY (CC)

RANK: 62 / 63 PROVINCES
SCORE: 0.359

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



Economic Capacity



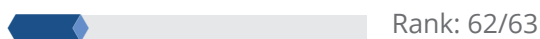
Rank: 56/63

6.18	4,599	18.6	6.19	7.06
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

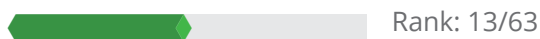


Rank: 62/63

4.27	4.11	5.94
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

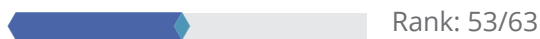


Rank: 13/63

18.7%
Protected Area



Infrastructure Capacity



Rank: 53/63



Health Care Capacity

Rank: 61/63

94.2%	19.32	4.06	10.24	16.24
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 32/63

3,160	45.45
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 25/63

86.2%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 58 / 63 PROVINCES
SCORE: 0.423

Dak Nong's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Economic Constraints



Vulnerable Health Status



Governance



Health Care Capacity



MULTI-HAZARD RISK

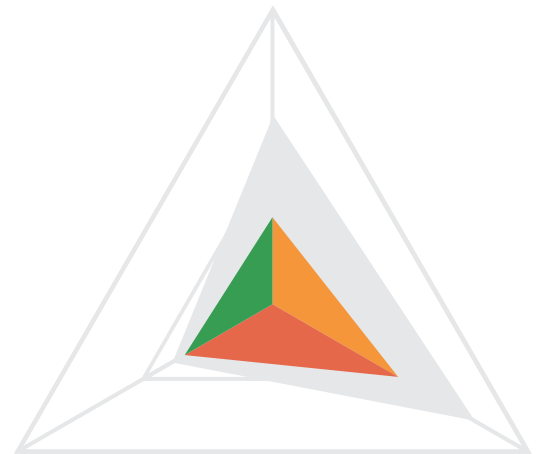
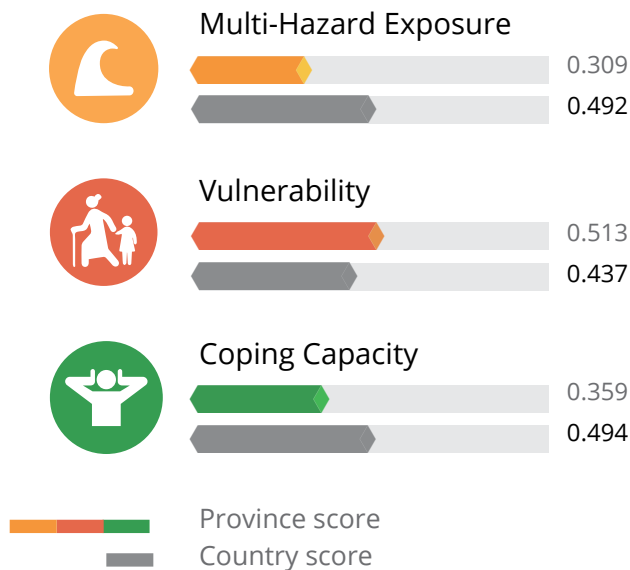
28 / 63

Rank within provinces
Score: 0.488



Dak Nong's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

DIEN BIEN

NDPBA PROVINCE PROFILE

VIỆT NAM

DIEN BIEN

CAPITAL: ĐIỆN BIÊN PHỦ

Area: 11,093 km²

Dien Bien is a mountainous province located in the Northwest region of Viet Nam, adjacent China to the northwest and Laos to the west. Dien Bien is well known for its vast Muong Thanh valley, where famous Dien Bien rice is grown. Besides agriculture and forest products, the province's economy is also based on tourism and international trade for its important position as main gateway to the northwest region and its historical / cultural riches. Currently, Dien Bien is the home of 21 ethnic groups, including Thai, Hmong, Kinh, Dao, and Kho Mu people.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.649 • Rank: 1/63



RESILIENCE (R) - very low
Score: 0.382 • Rank: 62/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.711 • Rank: 4/63



VULNERABILITY (V) - very high
Score: 0.647 • Rank: 2/63



COPING CAPACITY (CC) - very low
Score: 0.411 • Rank: 58/63



Population (2017)
559,711



Population in Poverty
29.1%



Illiterate population
24.9%



Access to improved water
31.8%



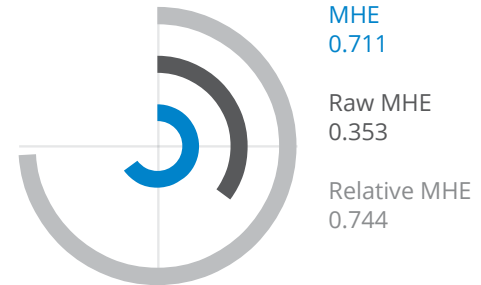
Average life expectancy
67.20 years

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

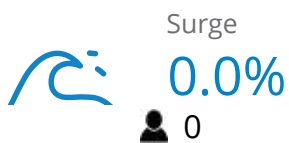
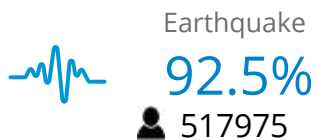
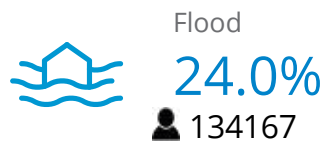
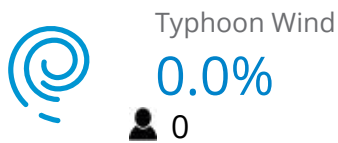


MULTI-HAZARD EXPOSURE

RANK: 4 / 63 PROVINCES
SCORE: 0.711



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





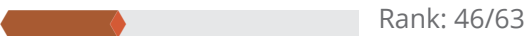
VULNERABILITY (V)

RANK: 2 / 63 PROVINCES
SCORE: 0.647

Vulnerability in Dien Bien is primarily driven by Economic Constraints and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



1.1% Forest Change
20.44 Livestock Density (per sq km)



Vulnerable Health Status



67.2 Life Expectancy (years)
33.8 Infant Mortality Rate (per 1,000 live births)
7.5% Acute Malnutrition (Children <5)
12.6 Tuberculosis Incidence (per 100,000 persons)
54.93 Malaria Prevalance (per 100,000 persons)
850.6 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



31.8% Households with Safe Water Access
28.6% Households with Hygienic Toilet Access



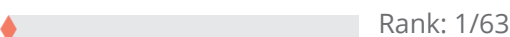
Information Access Vulnerability



24.9% Adult Illiteracy Rate
83.9% School Attendance Rate
88.0% Households without Internet
30.0% Housholds without TV



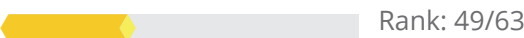
Economic Constraints



62.8 Economic Dependency Ratio
29.1% Poverty



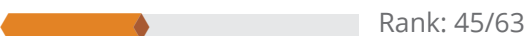
Gender Inequality



0.08 Income Inequality*
0.26 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



2.5% Average Annual Population Change
1.7% Average Annual Urban Population Change
0.6% Net Migration Rate



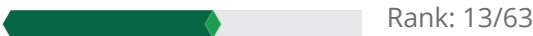
COPING CAPACITY (CC)

RANK: 58 / 63 PROVINCES
SCORE: 0.411

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



Economic Capacity

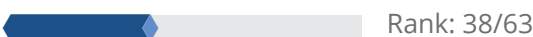


6.23	5,954	12.64	6.93	7.74
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



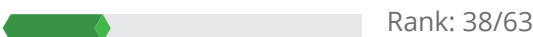
Governance



6	4.47	6.36
Law and Order*	Informal Charges*	Transparency*



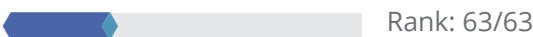
Environmental Capacity



5.6%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 39/63

89.4%	35.46	9.42	16.11	25.33
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 62/63

1,171	133.49
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 63/63

57.0%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 62 / 63 PROVINCES
SCORE: 0.382

Dien Bien's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Economic Constraints



Clean Water Access Vulnerability



Communications Capacity



Transportation Capacity



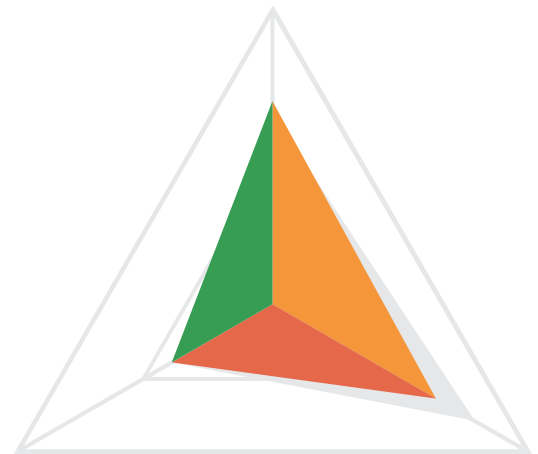
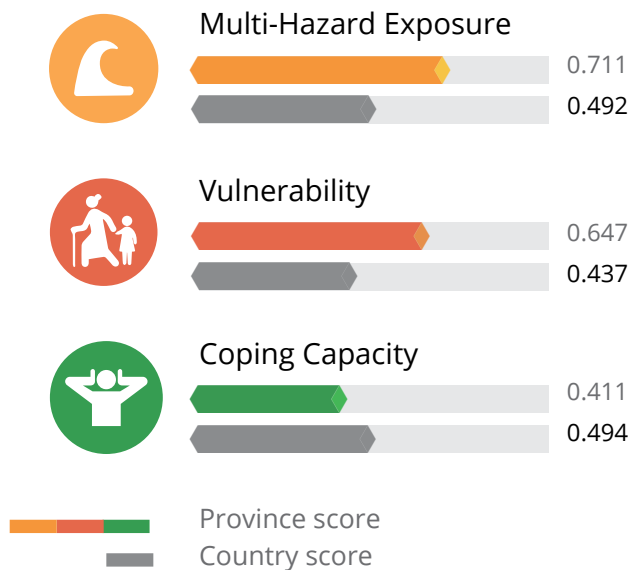
MULTI-HAZARD RISK

1 / 63

Rank within provinces
Score: 0.649

Dien Bien's score and ranking are due to very high Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

DONG NAI

NDPBA PROVINCE PROFILE

VIỆT NAM DONG NAI

CAPITAL: BIÊN HÒA

Area: 6,092 km²

Neighboring Ho Chi Minh City to the northeast, Dong Nai is an important province in the Southern economic main hub and is second only to Binh Duong in both population growth and net migration. The province is a main manufacturing center with about 100 major plants and enterprises. The plain terrain with mostly bazon and alluvial soil provides good conditions for growing fruits and industrial plants.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.41 • Rank: 53/63



RESILIENCE (R) - very high
Score: 0.631 • Rank: 4/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.49 • Rank: 33/63



VULNERABILITY (V) - very low
Score: 0.357 • Rank: 53/63



COPING CAPACITY (CC) - very high
Score: 0.618 • Rank: 6/63



Population (2017)
2,928,784



Population in Poverty
0.8%



Illiterate population
2.9%



Access to improved water
97.8%



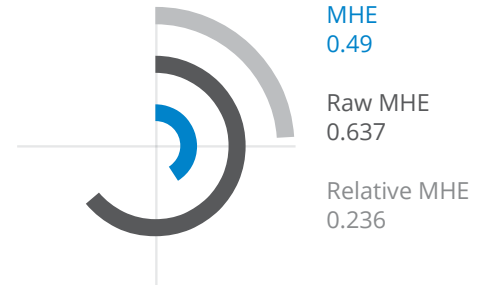
Average life expectancy
76.40 years

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

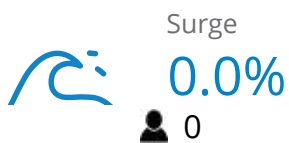
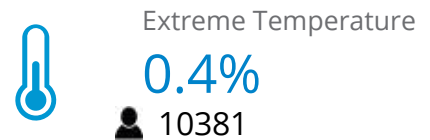
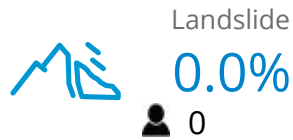
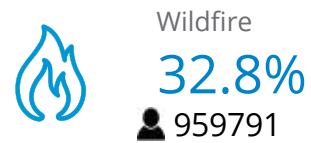


MULTI-HAZARD EXPOSURE

RANK: 33 / 63 PROVINCES
SCORE: 0.49



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





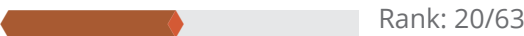
VULNERABILITY (V)

RANK: 53 / 63 PROVINCES
SCORE: 0.357

Vulnerability in Dong Nai is primarily driven by Population Pressures and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



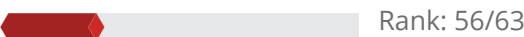
Environmental Stress



2.1% Forest Change
73.41 Livestock Density (per sq km)



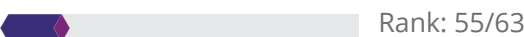
Vulnerable Health Status



76.4 Life Expectancy (years)
7.7 Infant Mortality Rate (per 1,000 live births)
7.0% Acute Malnutrition (Children <5)
51.7 Tuberculosis Incidence (per 100,000 persons)
6.62 Malaria Prevalance (per 100,000 persons)
216.9 HIV Prevalance (per 100,000 persons)



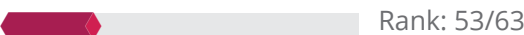
Clean Water Vulnerability



97.8% Households with Safe Water Access
95.8% Households with Hygienic Toilet Access



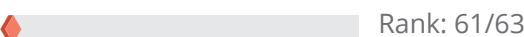
Information Access Vulnerability



2.9% Adult Illiteracy Rate
94.0% School Attendance Rate
77.0% Households without Internet
5.0% Housholds without TV



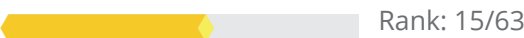
Economic Constraints



38.5 Economic Dependency Ratio
0.8% Poverty



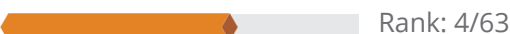
Gender Inequality



0.11 Income Inequality*
0.43 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



2.8% Average Annual Population Change
3.9% Average Annual Urban Population Change
14.1% Net Migration Rate



COPING CAPACITY (CC)

RANK: 6 / 63 PROVINCES
SCORE: 0.618

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



Economic Capacity

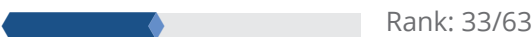


6.51	5,321	42.23	6.75	8.05
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance



5.77	5.01	6.24
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



44.7%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 30/63

99.4%	25.82	4.69	11.43	11.73
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 3/63

7,545	25.99
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 7/63

90.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 4 / 63 PROVINCES
SCORE: 0.631

Dong Nai's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Gender Inequality



Governance



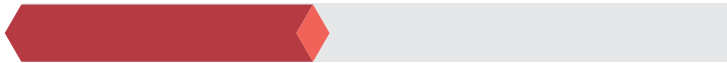
Health Care Capacity



MULTI-HAZARD RISK

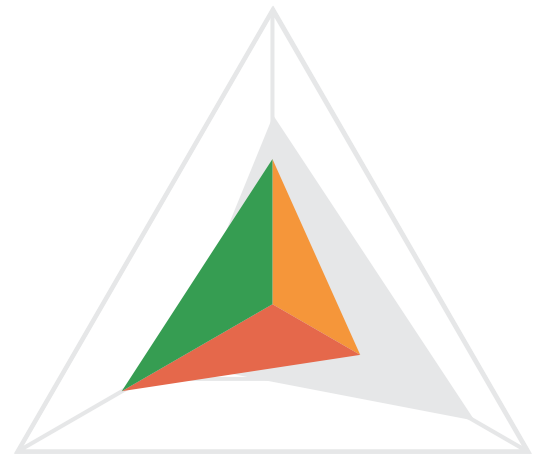
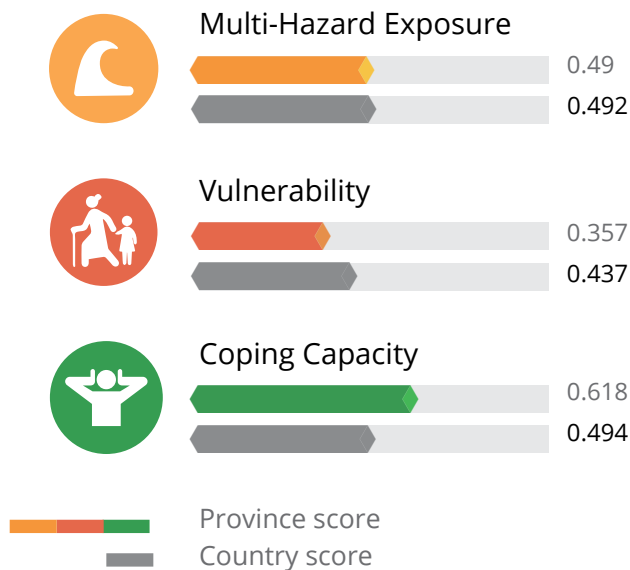
53 / 63

Rank within provinces
Score: 0.41



Dong Nai's score and ranking are due to moderate Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

DONG THAP

NDPBA PROVINCE PROFILE

VIỆT NAM DONG THAP

CAPITAL: CAO LÃNH

Area: 3,522 km²

Dong Thap province is located in the Mekong Delta region of Southern Viet Nam, bordering with Cambodia to the northwest. Possessing good soil, climate, and large river, canal and spring systems, Dong Thap is a major supplier of aquaculture and agriculture products, including fruit, flowers, and rice (3rd largest paddy field in the country). The province is also well known for its submerged in-land ecosystem of Dong Thap Muoi and Tram Chim National Park.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.45 • Rank: 44/63



RESILIENCE (R) - very high
Score: 0.62 • Rank: 6/63



MULTI-HAZARD EXPOSURE - high
Score: 0.59 • Rank: 24/63



VULNERABILITY (V) - low
Score: 0.404 • Rank: 41/63



COPING CAPACITY (CC) - very high
Score: 0.645 • Rank: 4/63



Population (2017)
1,825,101



Population in Poverty
7.2%



Illiterate population
6.4%



Access to improved water
69.0%



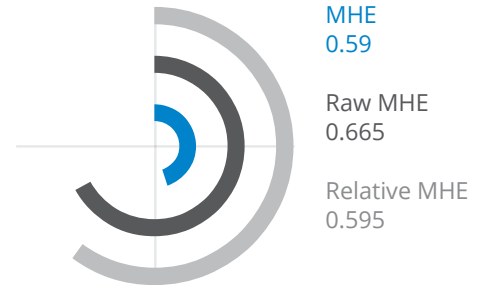
Average life expectancy
74.40 years

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

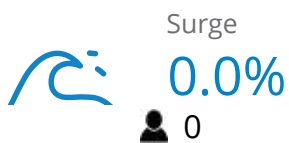
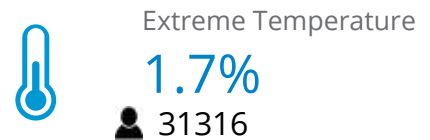
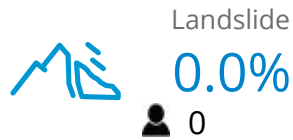


MULTI-HAZARD EXPOSURE

RANK: 24 / 63 PROVINCES
SCORE: 0.59



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

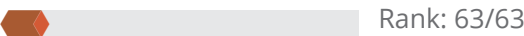
RANK: 41 / 63 PROVINCES

SCORE: 0.404

Vulnerability in Dong Thap is primarily driven by Clean Water Access Vulnerability and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



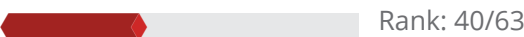
Environmental Stress



17.0% Forest Change
22.18 Livestock Density (per sq km)



Vulnerable Health Status



74.4 Life Expectancy (years)
11.9 Infant Mortality Rate (per 1,000 live births)
6.7% Acute Malnutrition (Children <5)
99.6 Tuberculosis Incidence (per 100,000 persons)
1.72 Malaria Prevalance (per 100,000 persons)
271.2 HIV Prevalance (per 100,000 persons)



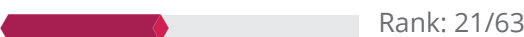
Clean Water Vulnerability



69.0% Households with Safe Water Access
60.5% Households with Hygienic Toilet Access



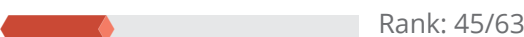
Information Access Vulnerability



6.4% Adult Illiteracy Rate
88.2% School Attendance Rate
88.0% Households without Internet
4.0% Housholds without TV



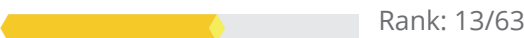
Economic Constraints



40.7 Economic Dependency Ratio
7.2% Poverty



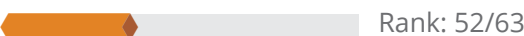
Gender Inequality



0.24 Income Inequality*
0.25 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
1.4% Average Annual Urban Population Change
7.3% Net Migration Rate



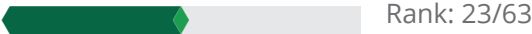
COPING CAPACITY (CC)

RANK: 4 / 63 PROVINCES
SCORE: 0.645

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



Economic Capacity



8.69	3,446	35.5	6.7	8.3
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



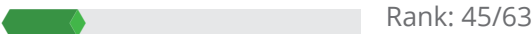
Governance



7.1	6.86	7.25
Law and Order*	Informal Charges*	Transparency*



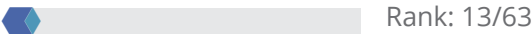
Environmental Capacity



3.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 29/63

97.4%	25.44	5.64	12.45	8.87
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 7/63

4,700	11.07
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 28/63

85.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 6 / 63 PROVINCES
SCORE: 0.62

Dong Thap's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Gender Inequality



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

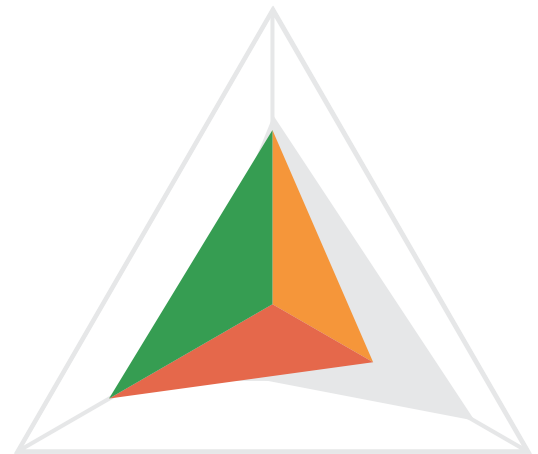
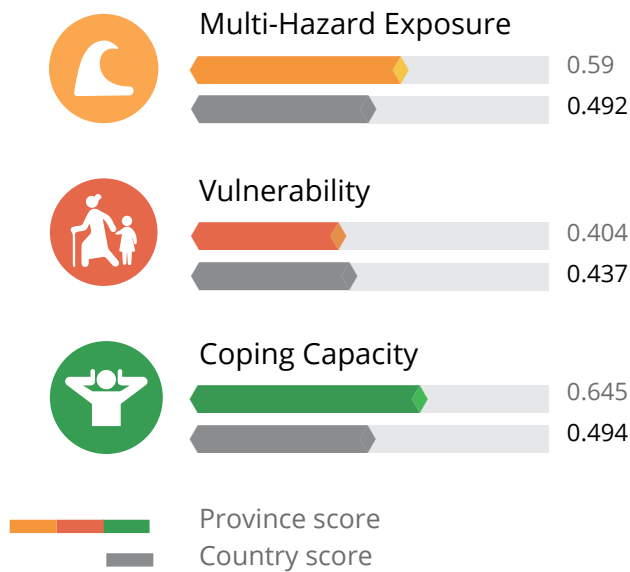
44 / 63

Rank within provinces
Score: 0.45



Dong Thap's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

GIA LAI

NDPBA PROVINCE PROFILE

VIỆT NAM GIA LAI

CAPITAL: PLEIKU

Area: 18,202 km²

Located in the north of Viet Nam’s Central Highland, Gia Lai shares a border with Cambodia to the west - with a mix of mountains, plateaus, and valleys. The province is the home to a number of indigenous people namely Ja rai, Ba Na, and E đê, with a long history and old ethnic culture. Currently, Gia Lai is a main supplier of rubber, coffee, fruit and other agriculture products with high hydropower generation potential.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.531 • Rank: 14/63



RESILIENCE (R) - very low
Score: 0.426 • Rank: 57/63



MULTI-HAZARD EXPOSURE - low
Score: 0.446 • Rank: 41/63



VULNERABILITY (V) - very high
Score: 0.565 • Rank: 6/63



COPING CAPACITY (CC) - very low
Score: 0.418 • Rank: 55/63



Population (2017)
1,460,930



Population in Poverty
15.7%



Illiterate population
16.0%



Access to improved water
83.8%



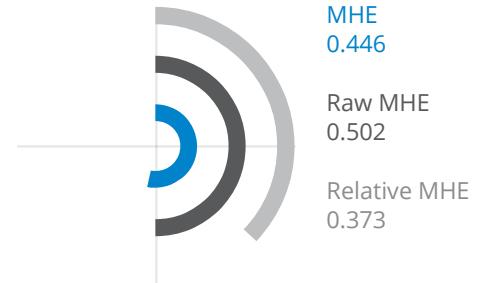
Average life expectancy
68.70 years

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

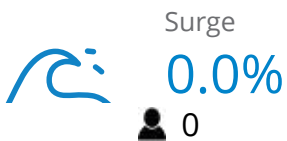
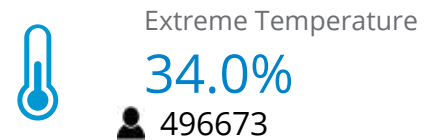
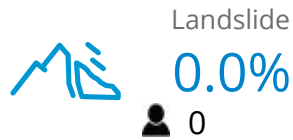
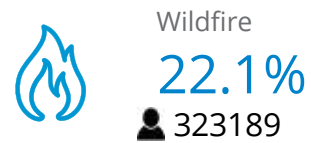
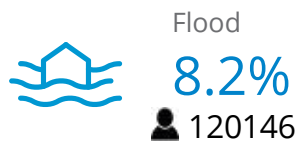


MULTI-HAZARD EXPOSURE

RANK: 41 / 63 PROVINCES
SCORE: 0.446



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





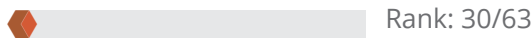
VULNERABILITY (V)

RANK: 6 / 63 PROVINCES
SCORE: 0.565

Vulnerability in Gia Lai is primarily driven by Vulnerable Health Status and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



-3.2% Forest Change
22.37 Livestock Density (per sq km)



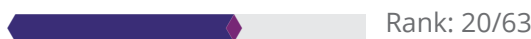
Vulnerable Health Status



68.7 Life Expectancy (years)
26.3 Infant Mortality Rate (per 1,000 live births)
8.9% Acute Malnutrition (Children <5)
27.2 Tuberculosis Incidence (per 100,000 persons)
321.21 Malaria Prevalance (per 100,000 persons)
59.5 HIV Prevalance (per 100,000 persons)



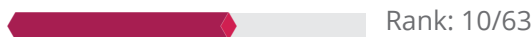
Clean Water Vulnerability



83.8% Households with Safe Water Access
55.6% Households with Hygienic Toilet Access



Information Access Vulnerability



16.0% Adult Illiteracy Rate
75.6% School Attendance Rate
84.0% Households without Internet
6.0% Housholds without TV



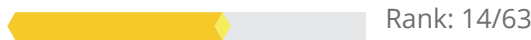
Economic Constraints



54.6 Economic Dependency Ratio
15.7% Poverty



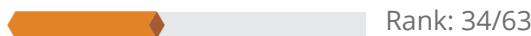
Gender Inequality



0.14 Income Inequality*
0.4 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.9% Average Annual Population Change
3.0% Average Annual Urban Population Change
0.6% Net Migration Rate



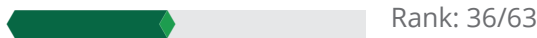
COPING CAPACITY (CC)

RANK: 55 / 63 PROVINCES
SCORE: 0.418

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



Economic Capacity

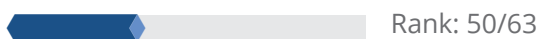


5.23	3,946	29.14	7.19	7.13
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



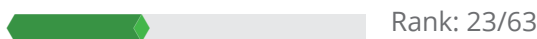
Governance



5.7	4.86	6.46
Law and Order*	Informal Charges*	Transparency*



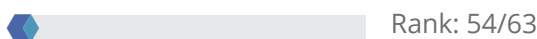
Environmental Capacity



10.7%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 55/63

93.6%	24.64	5.91	13.13	18.41
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 52/63

4,418	123.92
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 29/63

84.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 57 / 63 PROVINCES
SCORE: 0.426

Gia Lai's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Vulnerable Health Status



Economic Constraints



Governance



Health Care Capacity



MULTI-HAZARD RISK

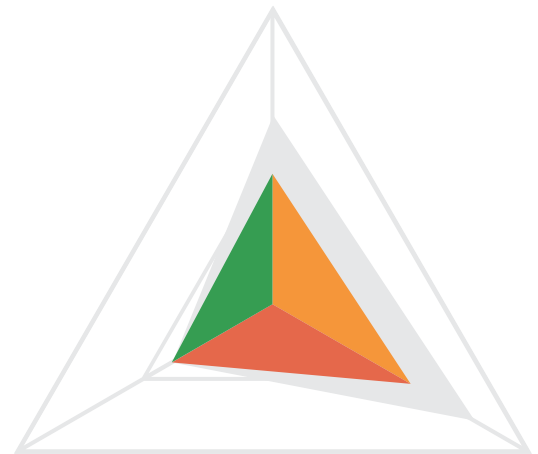
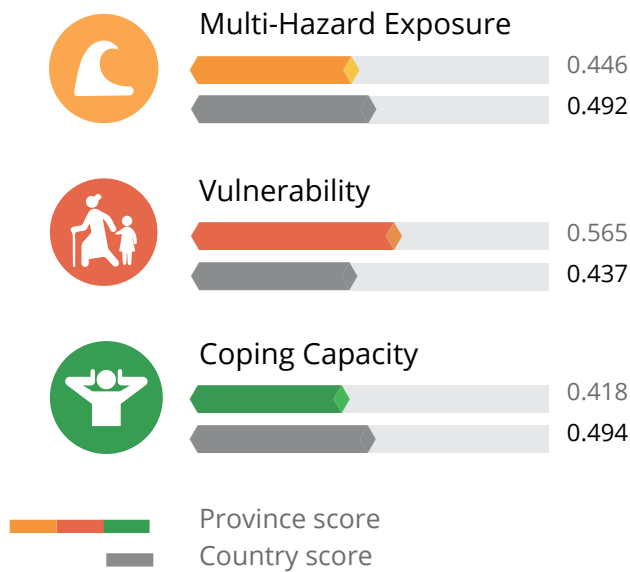
14 / 63

Rank within provinces
Score: 0.531



Gia Lai's score and ranking are due to low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

HA GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM HA GIANG

CAPITAL: HÀ GIANG

Area: 9,415 km²

As the northern-most province of Viet Nam, Ha Giang belongs to the mountainous region and shares a border with China to the north. Hà Giang is one of the poorest provinces of Viet Nam with economic activities revolved around small-scale agriculture and forestry due to its mountainous topography and limited infrastructure. As the home of more than 20 ethnic minority groups, most notably the Hmong, Tay, Dao, Nung, and Lo Lo people, the province is well-known by the rich culture and traditional value.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.495 • Rank: 26/63



RESILIENCE (R) - very low
Score: 0.407 • Rank: 59/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.298 • Rank: 53/63



VULNERABILITY (V) - very high
Score: 0.641 • Rank: 3/63



COPING CAPACITY (CC) - low
Score: 0.454 • Rank: 42/63



Population (2017)
823,893



Population in Poverty
24.2%



Illiterate population
25.1%



Access to improved water
31.7%



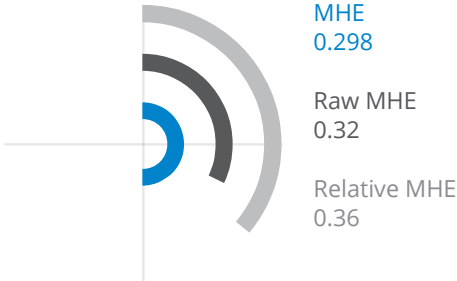
Average life expectancy
67.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 53 / 63 PROVINCES
SCORE: 0.298



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
17.7%
145600



Wildfire
7.5%
61449



Earthquake
0.0%
0



Landslide
26.2%
216261



Extreme Temperature
95.4%
786114



Surge
0.0%
0



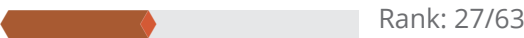
VULNERABILITY (V)

RANK: 3 / 63 PROVINCES
SCORE: 0.641

Vulnerability in Ha Giang is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



0.0% Forest Change
37.53 Livestock Density (per sq km)



Vulnerable Health Status



67.2 Life Expectancy (years)
33.6 Infant Mortality Rate (per 1,000 live births)
9.8% Acute Malnutrition (Children <5)
25 Tuberculosis Incidence (per 100,000 persons)
23.2 Malaria Prevalance (per 100,000 persons)
151.4 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



31.7% Households with Safe Water Access
37.5% Households with Hygienic Toilet Access



Information Access Vulnerability



25.1% Adult Illiteracy Rate
79.8% School Attendance Rate
90.0% Households without Internet
25.0% Housholds without TV



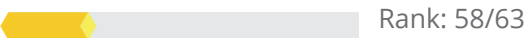
Economic Constraints



57.3 Economic Dependency Ratio
24.2% Poverty



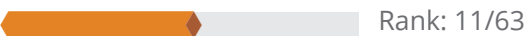
Gender Inequality



0.1 Income Inequality*
0.11 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.8% Average Annual Population Change
5.4% Average Annual Urban Population Change
1.5% Net Migration Rate



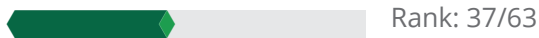
COPING CAPACITY (CC)

RANK: 42 / 63 PROVINCES
SCORE: 0.454

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



Economic Capacity



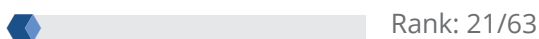
Rank: 37/63

7.27	5,070	7.85	6.26	7.91
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

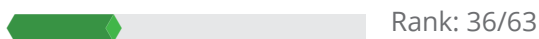


Rank: 21/63

7.01	4.49	6.18
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

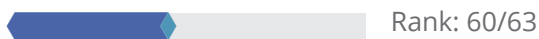


Rank: 36/63

6.5%
Protected Area



Infrastructure Capacity



Rank: 60/63



Health Care Capacity

Rank: 32/63

92.7%	34.5	8.34	17.27	18.29
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 54/63

2,013	92.91
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 59/63

70.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 59 / 63 PROVINCES
SCORE: 0.407

Ha Giang's score and ranking are due to very high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Communications
Capacity



Transportation
Capacity



MULTI-HAZARD RISK

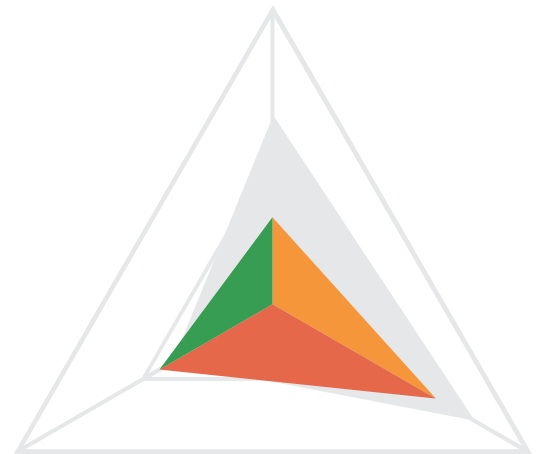
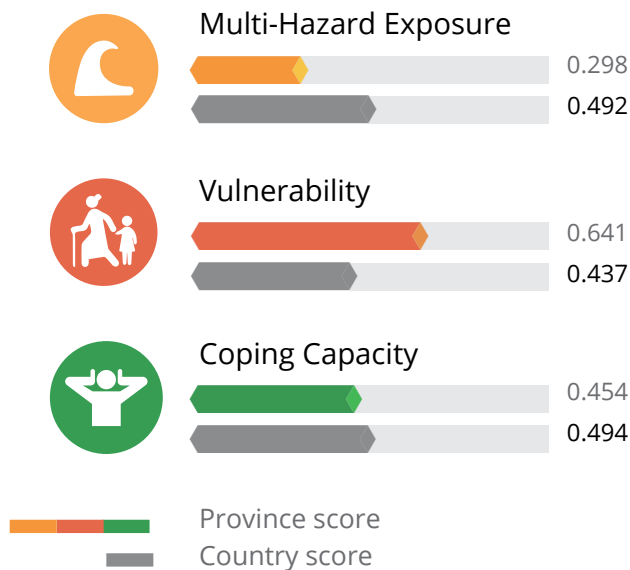
26 / 63

Rank within provinces
Score: 0.495



Ha Giang's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

HA NAM

NDPBA PROVINCE PROFILE

VIỆT NAM HA NAM

CAPITAL: PHỦ LÝ

Area: 988 km²

Neighboring Hanoi Capital to the south, Ha Nam is a province in the Red River Delta. With lowland terrain and a wide irrigation network, the province's economy is traditionally based on agriculture, aquaculture, poultry, and handicraft production. With Hanoi expansion, Ha Nam is rapidly developing with new urban complex, education institutions, and industrial parks.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.56 • Rank: 8/63



RESILIENCE (R) - low
Score: 0.513 • Rank: 40/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.706 • Rank: 5/63



VULNERABILITY (V) - moderate
Score: 0.407 • Rank: 39/63



COPING CAPACITY (CC) - very low
Score: 0.433 • Rank: 51/63



Population (2017)
823,794



Population in Poverty
5.5%



Illiterate population
1.8%



Access to improved water
99.6%



Average life expectancy
74.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 5 / 63 PROVINCES
SCORE: 0.706



MHE
0.706
Raw MHE
0.542
Relative MHE
1

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
823794



Flood
87.9%
724493



Wildfire
0.0%
0



Earthquake
0.0%
62



Landslide
0.0%
0



Extreme Temperature
100.0%
823794



Surge
0.0%
0



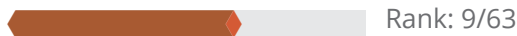
VULNERABILITY (V)

RANK: 39 / 63 PROVINCES
SCORE: 0.407

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



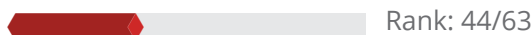
Environmental Stress



1.5% Forest Change
136.15 Livestock Density (per sq km)



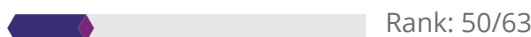
Vulnerable Health Status



74.3 Life Expectancy (years)
12 Infant Mortality Rate (per 1,000 live births)
6.4% Acute Malnutrition (Children <5)
43.7 Tuberculosis Incidence (per 100,000 persons)
44.53 Malaria Prevalance (per 100,000 persons)
116.7 HIV Prevalance (per 100,000 persons)



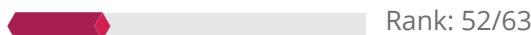
Clean Water Vulnerability



99.6% Households with Safe Water Access
74.6% Households with Hygienic Toilet Access



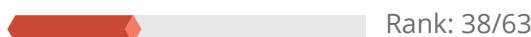
Information Access Vulnerability



1.8% Adult Illiteracy Rate
98.2% School Attendance Rate
91.0% Households without Internet
4.0% Housholds without TV



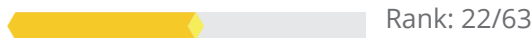
Economic Constraints



46.4 Economic Dependency Ratio
5.5% Poverty



Gender Inequality

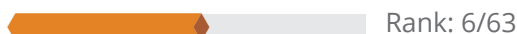


0.13 Income Inequality*
0.35 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



0.1% Average Annual Population Change
9.6% Average Annual Urban Population Change
3.2% Net Migration Rate



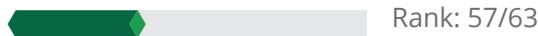
COPING CAPACITY (CC)

RANK: 51 / 63 PROVINCES
SCORE: 0.433

Ha Nam exhibits weaker Coping Capacity in the areas of Economic Capacity and Communications Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



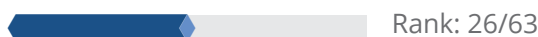
Rank: 57/63

7.03	3,824	17.49	6.21	7.77
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

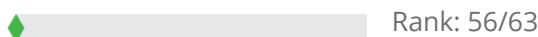


Rank: 26/63

5.77	5.36	6.35
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 56/63

0.0%
Protected Area



Infrastructure Capacity



Rank: 29/63



Health Care Capacity Rank: 9/63

99.5%	31.51	6.15	13.84	5
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 44/63

1,232	20.42
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 55/63

74.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 40 / 63 PROVINCES
SCORE: 0.513

Ha Nam's score and ranking are due to moderate Vulnerability combined with very low Coping Capacity scores.

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



Environmental Stress



Population Pressures



Economic Capacity



Communications Capacity



MULTI-HAZARD RISK

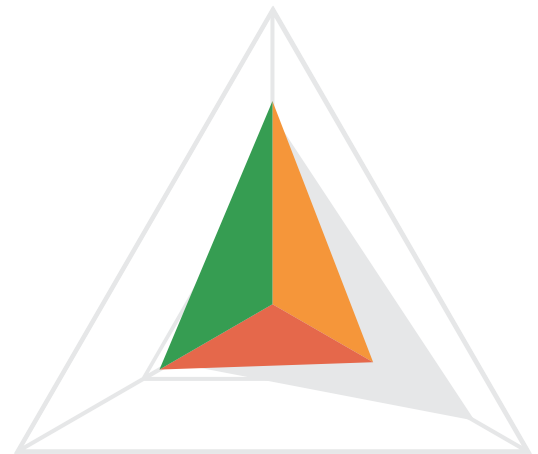
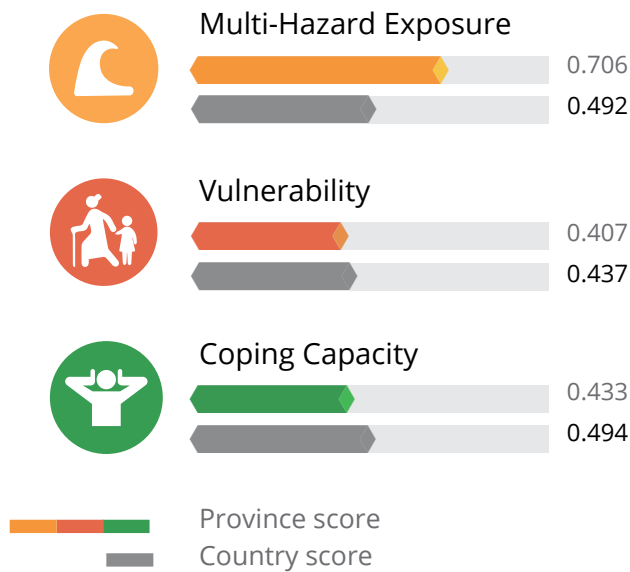
8 / 63

Rank within provinces
Score: 0.56



Ha Nam's score and ranking are due to very high Multi-hazard exposure combined with moderate Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

HA NOI

NDPBA PROVINCE PROFILE

VIỆT NAM HA NOI

CAPITAL: HOÀN KIẾM DISTRICT

Area: 3,989 km²

Located at the center of the Red River Delta, Ha Noi - the Capital city of Viet Nam -, is the country's second largest city in population (about 7.7 million people in 2015). The city has a long history of more than 1,000 years and is rich in culture and natural landscapes, including certain landmarks for tourists such as the old quarter, colonial Hanoi, Thang Long imperial citadel, lakes, Ba Vi sacred peaks and many traditional handicrafts and villages. Hanoi rapidly urbanized as its economy gradually transformed from agriculture to trade, tourism, service, and industry-based.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.472 • Rank: 34/63



RESILIENCE (R) - very high
Score: 0.611 • Rank: 7/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.639 • Rank: 12/63



VULNERABILITY (V) - very low
Score: 0.32 • Rank: 60/63



COPING CAPACITY (CC) - high
Score: 0.542 • Rank: 16/63



Population (2017)
7,402,247



Population in Poverty
1.8%



Illiterate population
1.5%



Access to improved water
99.4%



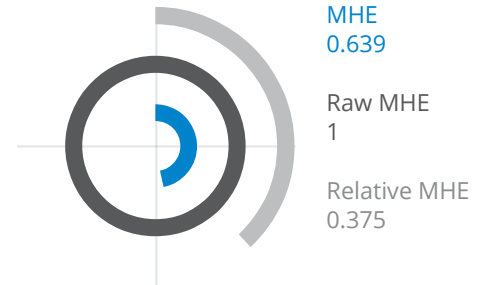
Average life expectancy
75.20 years

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

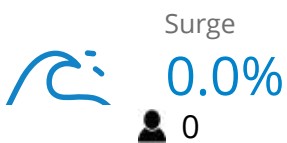
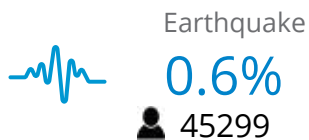


MULTI-HAZARD EXPOSURE

RANK: 12 / 63 PROVINCES
SCORE: 0.639



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 60 / 63 PROVINCES
SCORE: 0.32

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



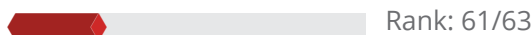
Environmental Stress



-3.6% **143.79**
Forest Change Livestock Density
(per sq km)



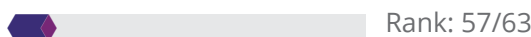
Vulnerable Health Status



75.2 **10.2** **5.8%** **26.4** **0.23** **300.7**
Life Expectancy Infant Mortality Acute Tuberculosis Malaria HIV Prevalance
(years) Rate (per 1,000 live births) Malnutrition (Children <5) Incidence (per 100,000 persons) Prevalance (per 100,000 persons)



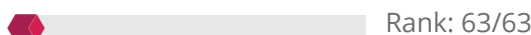
Clean Water Vulnerability



99.4% **92.3%**
Households with Safe Water Access Households with Hygienic Toilet Access



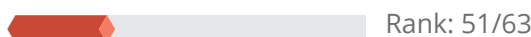
Information Access Vulnerability



1.5% **98.5%** **56.0%** **4.0%**
Adult Illiteracy Rate School Attendance Rate Households without Internet Housholds without TV



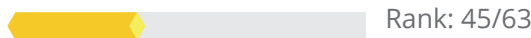
Economic Constraints



45.6 **1.8%**
Economic Dependency Ratio Poverty



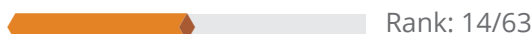
Gender Inequality



0.12 **0.2** *Values closer to 1 represent greater gender parity.
Income Inequality* F M School Enrollment Rate*



Population Pressures



2.3% **5.1%** **0.6%**
Average Annual Population Change Average Annual Urban Population Change Net Migration Rate



COPING CAPACITY (CC)

RANK: 16 / 63 PROVINCES
SCORE: 0.542

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



Economic Capacity

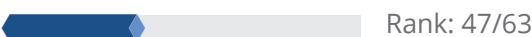


7.19	5,703	52.13	7.68	6.72
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



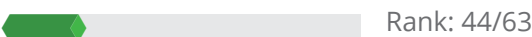
Governance



4.88	4.4	6.31
Law and Order*	Informal Charges*	Transparency*



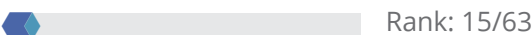
Environmental Capacity



3.1%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 59/63

95.0%	15.01	4.94	10.1	6.78
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 2/63

12,143	15.99
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 6/63

91.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 7 / 63 PROVINCES
SCORE: 0.611

Ha Noi's score and ranking are due to very low Vulnerability combined with high Coping Capacity scores.

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



Environmental Stress



Population Pressures



Health Care Capacity



Governance



MULTI-HAZARD RISK

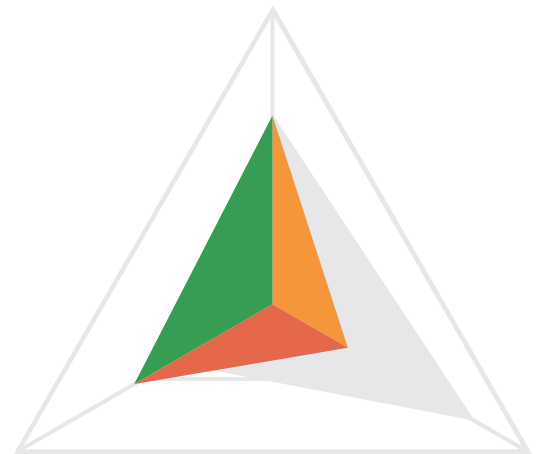
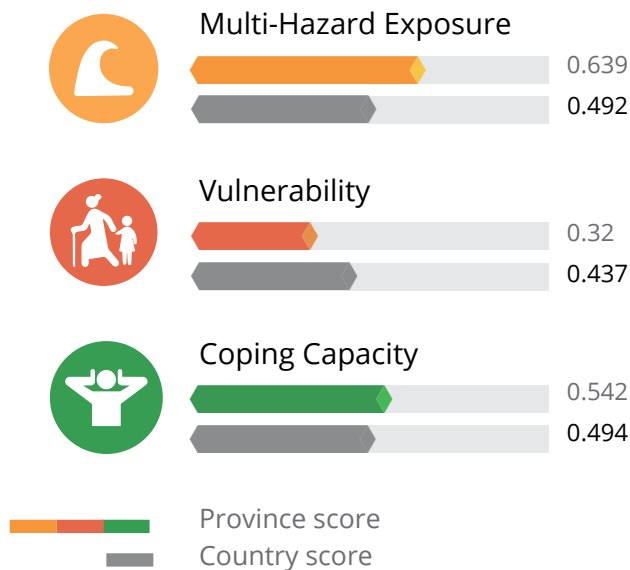
34 / 63

Rank within provinces
Score: 0.472



Ha Noi's score and ranking are due to very high Multi-hazard exposure combined with very low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

HA TINH

NDPBA PROVINCE PROFILE

VIỆT NAM HA TINH

CAPITAL: HÀ TĨNH

Area: 6,654 km²

Ha Tinh province is located in the North Central Coast of Viet Nam, sharing a border with Laos to the west. The deep-cut terrain with harsh climate conditions accompanied with frequent typhoons makes the province one of the poorest provinces in Viet Nam. Ha Tinh's economy is mostly based on agriculture, mining, fishing, and food processing. The recently established Vung Ang economic zone with a deep seaport, steel mill, and thermal power plant is expected to transform the province's economy.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.539 • Rank: 11/63



RESILIENCE (R) - low
Score: 0.498 • Rank: 44/63



MULTI-HAZARD EXPOSURE - high
Score: 0.613 • Rank: 21/63



VULNERABILITY (V) - high
Score: 0.452 • Rank: 23/63



COPING CAPACITY (CC) - low
Score: 0.448 • Rank: 44/63



Population (2017)
1,252,519



Population in Poverty
13.3%



Illiterate population
2.4%



Access to improved water
93.8%



Average life expectancy
72.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 21 / 63 PROVINCES
SCORE: 0.613

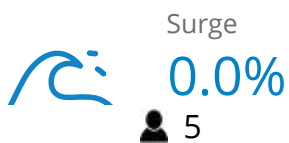
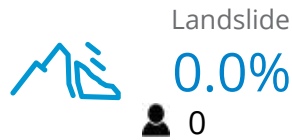
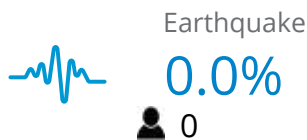


MHE
0.613

Raw MHE
0.589

Relative MHE
0.711

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





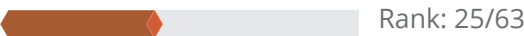
VULNERABILITY (V)

RANK: 23 / 63 PROVINCES
SCORE: 0.452

Vulnerability in Ha Tinh is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



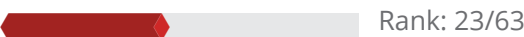
Environmental Stress



0.3% Forest Change
43.72 Livestock Density (per sq km)



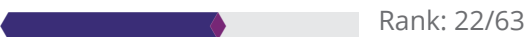
Vulnerable Health Status



72.3 Life Expectancy (years)
17.1 Infant Mortality Rate (per 1,000 live births)
6.5% Acute Malnutrition (Children <5)
44.5 Tuberculosis Incidence (per 100,000 persons)
91.29 Malaria Prevalance (per 100,000 persons)
67.5 HIV Prevalance (per 100,000 persons)



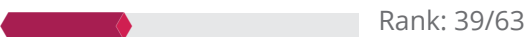
Clean Water Vulnerability



93.8% Households with Safe Water Access
45.0% Households with Hygienic Toilet Access



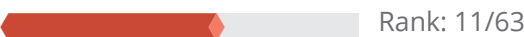
Information Access Vulnerability



2.4% Adult Illiteracy Rate
98.1% School Attendance Rate
87.0% Households without Internet
9.0% Housholds without TV



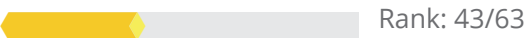
Economic Constraints



54.8 Economic Dependency Ratio
13.3% Poverty



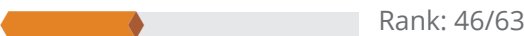
Gender Inequality



0.11 Income Inequality*
0.23 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.1% Average Annual Population Change
4.7% Average Annual Urban Population Change
4.3% Net Migration Rate



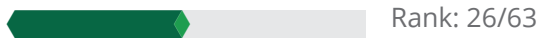
COPING CAPACITY (CC)

RANK: 44 / 63 PROVINCES
SCORE: 0.448

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



Economic Capacity

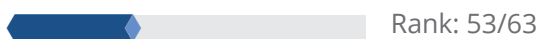


5.65	4,207	29.62	6.9	7.56
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



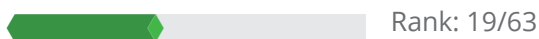
Governance



5.75	4.76	6.16
Law and Order*	Informal Charges*	Transparency*



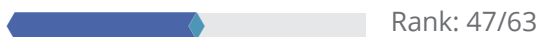
Environmental Capacity



13.1%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 34/63

98.3%	30.28	7.19	12.72	28.67
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 56/63

3,792	133.13
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 24/63

86.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 44 / 63 PROVINCES
SCORE: 0.498

Ha Tinh's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Governance



Transportation
Capacity



MULTI-HAZARD RISK

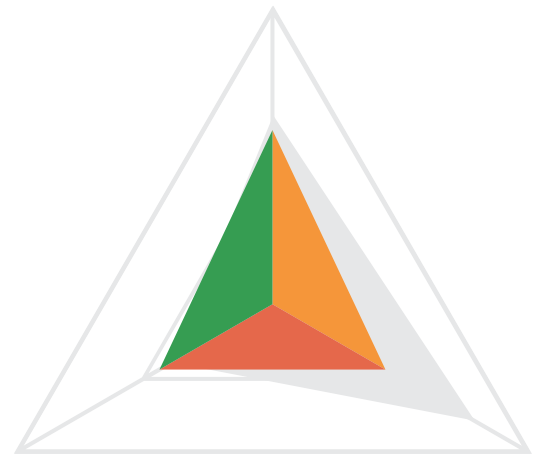
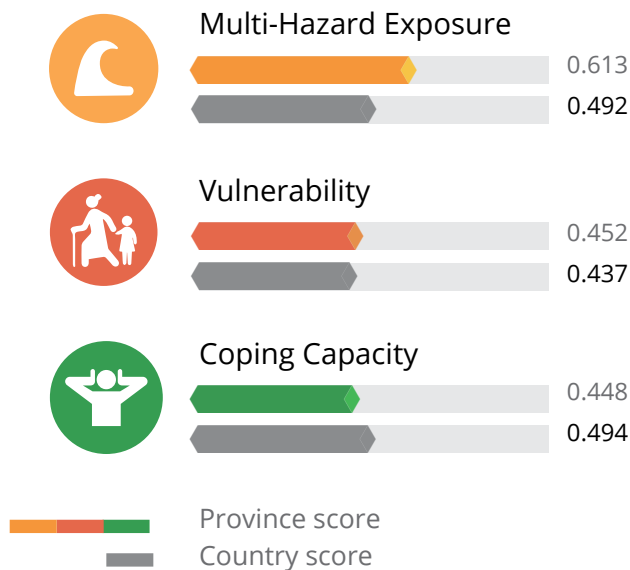


11 / 63

Rank within provinces
Score: 0.539

Ha Tinh's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

HAI DUONG

NDPBA PROVINCE PROFILE

VIỆT NAM HAI DUONG

CAPITAL: HẢI DƯƠNG

Area: 1,924 km²

Hai Duong province is landlocked in the center of the Red River Delta. With favorable conditions for natural resources, land area and transportation, Hai Duong is one of the most industrialized and developed provinces in Viet Nam. The province mainly focuses on developing agriculture and industrial production, attracting domestic and international investment in over 50 industrial areas. Well-known products include lychees and the traditional mung bean sweet.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.528 • Rank: 16/63



RESILIENCE (R) - high
Score: 0.552 • Rank: 22/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.687 • Rank: 8/63



VULNERABILITY (V) - very low
Score: 0.331 • Rank: 58/63



COPING CAPACITY (CC) - low
Score: 0.435 • Rank: 47/63



Population (2017)
1,767,185



Population in Poverty
3.5%



Illiterate population
1.8%



Access to improved water
99.7%



Average life expectancy
74.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 8 / 63 PROVINCES
SCORE: 0.687

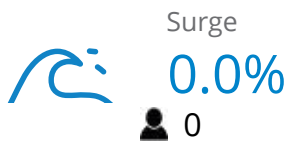
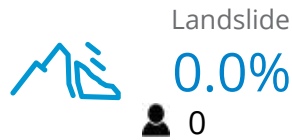
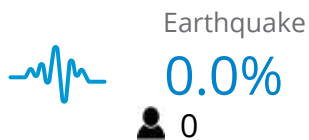
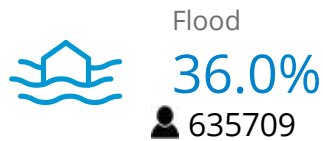


MHE
0.687

Raw MHE
0.715

Relative MHE
0.776

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





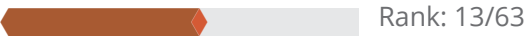
VULNERABILITY (V)

RANK: 58 / 63 PROVINCES
SCORE: 0.331

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



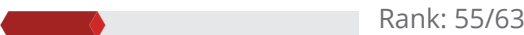
Environmental Stress



1.6% Forest Change
98.96 Livestock Density (per sq km)



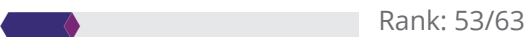
Vulnerable Health Status



74.4 Life Expectancy (years)
11.7 Infant Mortality Rate (per 1,000 live births)
4.7% Acute Malnutrition (Children <5)
27.7 Tuberculosis Incidence (per 100,000 persons)
1.59 Malaria Prevalance (per 100,000 persons)
184.2 HIV Prevalance (per 100,000 persons)



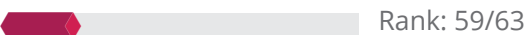
Clean Water Vulnerability



99.7% Households with Safe Water Access
76.2% Households with Hygienic Toilet Access



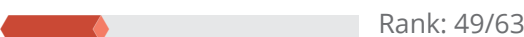
Information Access Vulnerability



1.8% Adult Illiteracy Rate
98.2% School Attendance Rate
83.0% Households without Internet
4.0% Housholds without TV



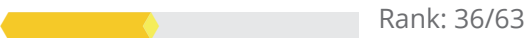
Economic Constraints



43.8 Economic Dependency Ratio
3.5% Poverty



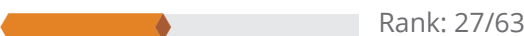
Gender Inequality



0.12 Income Inequality*
0.26 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
6.1% Average Annual Urban Population Change
1.0% Net Migration Rate



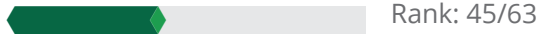
COPING CAPACITY (CC)

RANK: 47 / 63 PROVINCES
SCORE: 0.435

Hai Duong exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



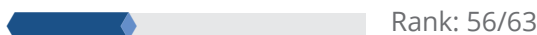
Rank: 45/63

6.32	4,417	21.32	6.17	7.67
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

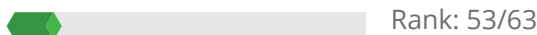


Rank: 56/63

5.63	5.46	5.45
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

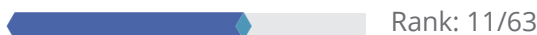


Rank: 53/63

1.0%
Protected Area



Infrastructure Capacity



Rank: 11/63



Health Care Capacity

Rank: 12/63

99.1%	30.23	6.24	15.68	8.3
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 22/63

2,848	16.43
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 45/63

80.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 22 / 63 PROVINCES
SCORE: 0.552

Hai Duong'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:



Environmental Stress



Population Pressures



Governance



Economic Capacity



MULTI-HAZARD RISK

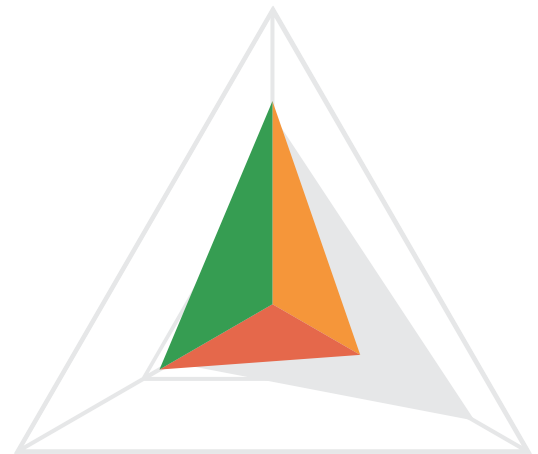
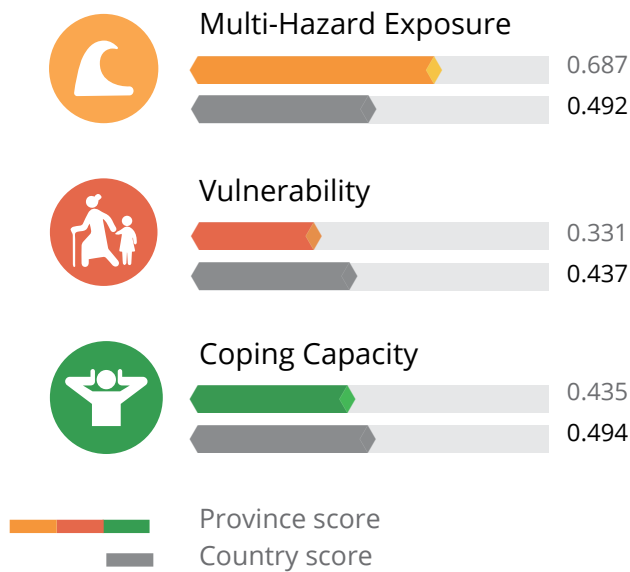
16 / 63

Rank within provinces
Score: 0.528



Hai Duong'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:





VIỆT NAM

HAI PHONG

NDPBA PROVINCE PROFILE

VIỆT NAM HAI PHONG

CAPITAL: HỒNG BÀNG DISTRICT

Area: 1,575 km²

Located at the mouth of the Cam River and a part of the Red River Delta, Hai Phong is the largest port city in northern Viet Nam and a major industrial city. Many larger manufactures such as LG, Bridgestone, Fuji, Xerox, Kyocera, and Vinfast are operating in the province's five largest industrial zones. With flat terrain a coastal location, agriculture and fisheries still play an important role in the province's economy. Hai Phong is also known for it's Cat Ba archipelago a part of the UNESCO World Biosphere Reserve.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.457 • Rank: 40/63



RESILIENCE (R) - very high
Score: 0.629 • Rank: 5/63



MULTI-HAZARD EXPOSURE - high
Score: 0.628 • Rank: 18/63



VULNERABILITY (V) - very low
Score: 0.3 • Rank: 61/63



COPING CAPACITY (CC) - very high
Score: 0.558 • Rank: 11/63



Population (2017)
2,038,579



Population in Poverty
2.9%



Illiterate population
1.8%



Access to improved water
99.8%



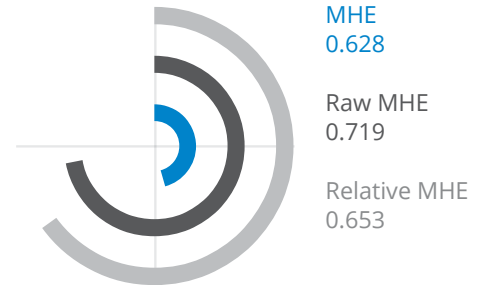
Average life expectancy
74.30 years

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

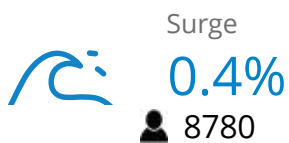
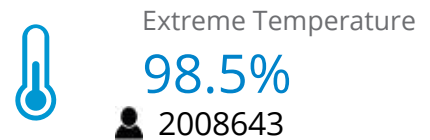
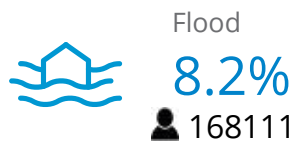


MULTI-HAZARD EXPOSURE

RANK: 18 / 63 PROVINCES
SCORE: 0.628



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





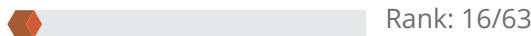
VULNERABILITY (V)

RANK: 61 / 63 PROVINCES
SCORE: 0.3

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



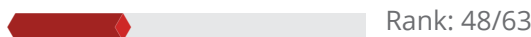
Environmental Stress



0.6% Forest Change
86.34 Livestock Density (per sq km)



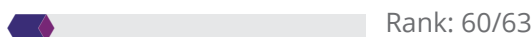
Vulnerable Health Status



74.3 Life Expectancy (years)
12 Infant Mortality Rate (per 1,000 live births)
5.4% Acute Malnutrition (Children <5)
34.4 Tuberculosis Incidence (per 100,000 persons)
3.19 Malaria Prevalance (per 100,000 persons)
374.2 HIV Prevalance (per 100,000 persons)



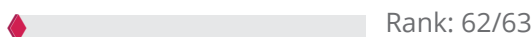
Clean Water Vulnerability



99.8% Households with Safe Water Access
88.2% Households with Hygienic Toilet Access



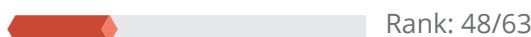
Information Access Vulnerability



1.8% Adult Illiteracy Rate
98.7% School Attendance Rate
71.0% Households without Internet
4.0% Housholds without TV



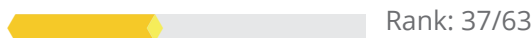
Economic Constraints



44.8 Economic Dependency Ratio
2.9% Poverty



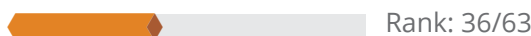
Gender Inequality



0.17 Income Inequality*
0.16 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.1% Average Annual Population Change
2.7% Average Annual Urban Population Change
1.4% Net Migration Rate



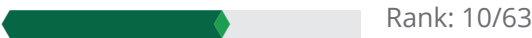
COPING CAPACITY (CC)

RANK: 11 / 63 PROVINCES
SCORE: 0.558

Hai Phong exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

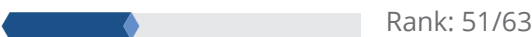


5.71	4,868	39.35	6.74	7.94
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



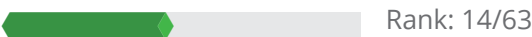
Governance



5.48	6.02	5.73
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



16.1%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 7/63

97.9%	33.74	7.84	16.28	4.41
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 16/63

2,925	11.9
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 15/63

87.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 5 / 63 PROVINCES
SCORE: 0.629

Hai Phong's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Environmental Stress



Population Pressures



Governance



Economic Capacity



MULTI-HAZARD RISK

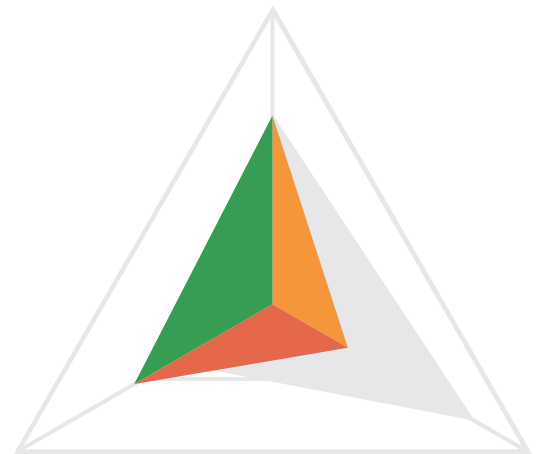
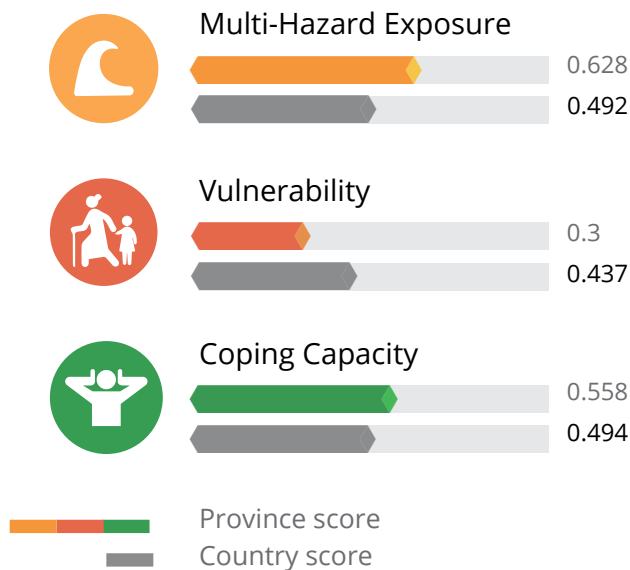
40 / 63

Rank within provinces
Score: 0.457



Hai Phong's score and ranking are due to high Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

HAU GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM HAU GIANG

CAPITAL: VỊ THANH

Area: 1,682 km²

Hau Giang province is located in the middle of the Mekong Delta. The province shares the same lowland topography features of the surrounding region with a complex river and canal network. Prominent provincial economic activities include rice, fruit tree and aquaculture. Hau Giang is also famous for floating markets. As a landlocked province, Hau Giang is facing difficulty in diversifying and developing its economy.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.478 • Rank: 32/63



RESILIENCE (R) - moderate
Score: 0.528 • Rank: 31/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.49 • Rank: 34/63



VULNERABILITY (V) - moderate
Score: 0.428 • Rank: 33/63



COPING CAPACITY (CC) - moderate
Score: 0.485 • Rank: 28/63



Population (2017)
824,882



Population in Poverty
9.9%



Illiterate population
5.7%



Access to improved water
87.0%



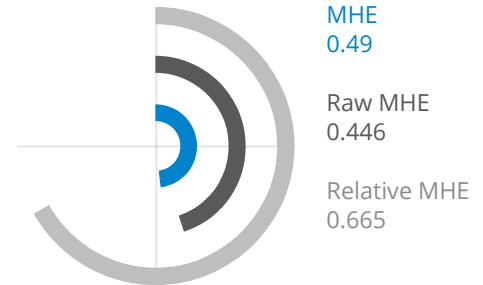
Average life expectancy
75.20 years

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

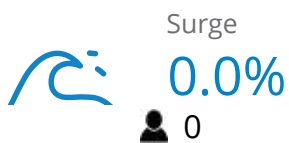
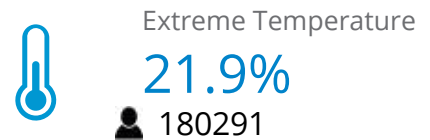
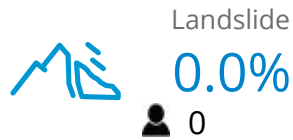
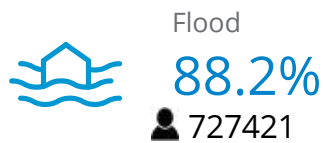


MULTI-HAZARD EXPOSURE

RANK: 34 / 63 PROVINCES
SCORE: 0.49



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

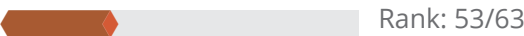
RANK: 33 / 63 PROVINCES

SCORE: 0.428

Vulnerability in Hau Giang is primarily driven by Clean Water Access Vulnerability and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



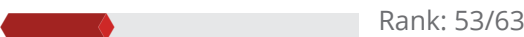
Environmental Stress



2.6% Forest Change
20.34 Livestock Density (per sq km)



Vulnerable Health Status



75.2 Life Expectancy (years)
10.1 Infant Mortality Rate (per 1,000 live births)
6.1% Acute Malnutrition (Children <5)
107.5 Tuberculosis Incidence (per 100,000 persons)
0.13 Malaria Prevalance (per 100,000 persons)
145.6 HIV Prevalance (per 100,000 persons)



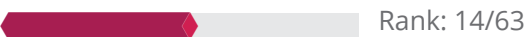
Clean Water Vulnerability



87.0% Households with Safe Water Access
44.6% Households with Hygienic Toilet Access



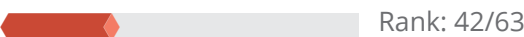
Information Access Vulnerability



5.7% Adult Illiteracy Rate
82.1% School Attendance Rate
92.0% Households without Internet
4.0% Housholds without TV



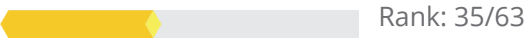
Economic Constraints



38.7 Economic Dependency Ratio
9.9% Poverty



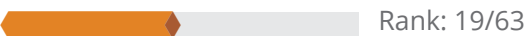
Gender Inequality



0.16 Income Inequality*
0.19 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
6.1% Average Annual Urban Population Change
4.2% Net Migration Rate



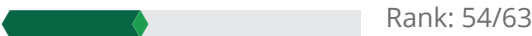
COPING CAPACITY (CC)

RANK: 28 / 63 PROVINCES
SCORE: 0.485

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



Economic Capacity



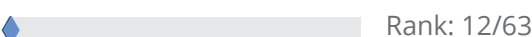
Rank: 54/63

7.89	3,579	36.18	5.53	7.91
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

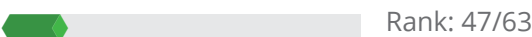


Rank: 12/63

6.14	6.09	6.11
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

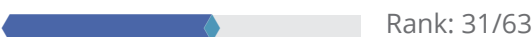


Rank: 47/63

1.7%
Protected Area



Infrastructure Capacity



Rank: 31/63



Health Care Capacity

Rank: 27/63

97.3%	29	5.58	11.67	5.74
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 30/63

2,500	30.85
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 46/63

79.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 31 / 63 PROVINCES
SCORE: 0.528

Hau Giang's score and ranking are due to moderate Vulnerability combined with moderate Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Information
Access
Vulnerability



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

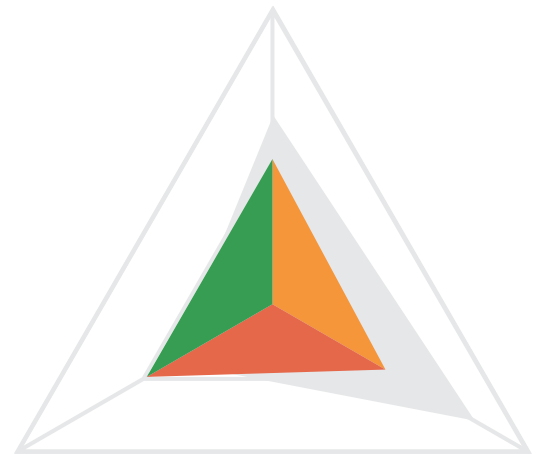
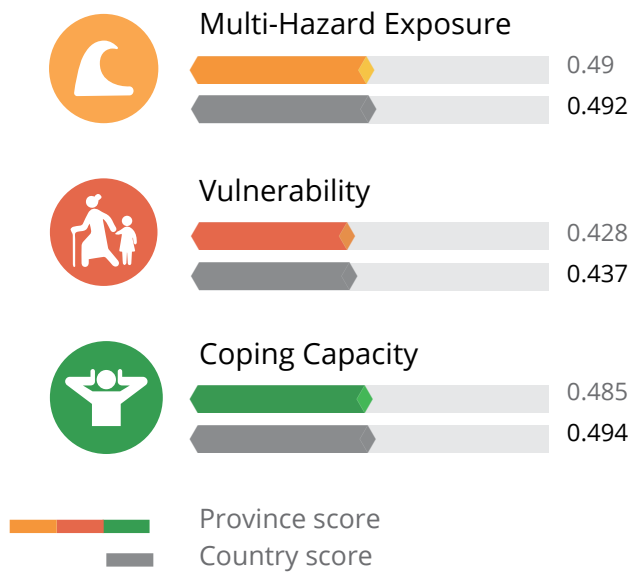
32 / 63

Rank within provinces
Score: 0.478



Hau Giang's score and ranking are due to moderate Multi-hazard exposure combined with moderate Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

HO CHI MINH CITY

NDPBA PROVINCE PROFILE

VIỆT NAM

HO CHI MINH CITY

CAPITAL: DISTRICT 1

Area: 2,033 km²

Located in the southeastern region of Viet Nam, Ho Chi Minh City (also known as former Saigon) is the most populous city in Viet Nam (about 8.4 million in 2017). The city is the economic center of Viet Nam, accounting for 20.2% of its GDP and 27.9% of its industrial output in 2005 and is the country's most vibrant and fast growing city. Ho Chi Minh city is now facing a number of modern metropolitan problems such as traffic congestion, pollution, and social problems. Located on the Saigon River and on the lowland near the sea, Ho Chi Minh City is vulnerable to severe flooding for heavy rains, tides, and uncontrolled housing development.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.39 • Rank: 58/63



RESILIENCE (R) - very high
Score: 0.696 • Rank: 2/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.561 • Rank: 27/63



VULNERABILITY (V) - very low
Score: 0.292 • Rank: 62/63



COPING CAPACITY (CC) - very high
Score: 0.684 • Rank: 2/63



Population (2017)
8,393,295



Population in Poverty
0.0%



Illiterate population
3.2%



Access to improved water
99.4%



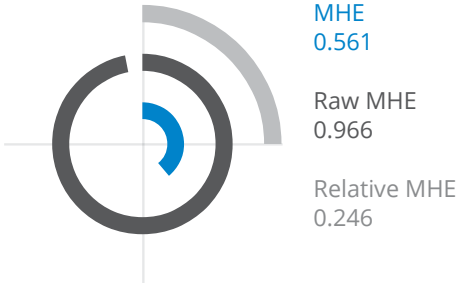
Average life expectancy
76.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 27 / 63 PROVINCES
SCORE: 0.561



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
8391178



Flood
8.2%
691641



Wildfire
1.2%
96771



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
4.5%
381576



Surge
0.0%
2982



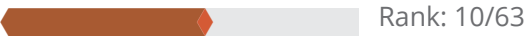
VULNERABILITY (V)

RANK: 62 / 63 PROVINCES
SCORE: 0.292

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



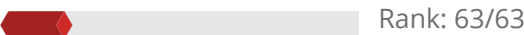
Environmental Stress



-2.9% Forest Change
78.63 Livestock Density (per sq km)



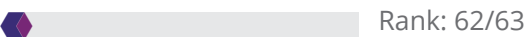
Vulnerable Health Status



76.1 Life Expectancy (years)
7.7 Infant Mortality Rate (per 1,000 live births)
2.6% Acute Malnutrition (Children <5)
88.2 Tuberculosis Incidence (per 100,000 persons)
0.71 Malaria Prevalance (per 100,000 persons)
685.4 HIV Prevalance (per 100,000 persons)



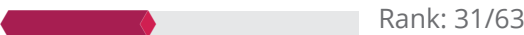
Clean Water Vulnerability



99.4% Households with Safe Water Access
99.3% Households with Hygienic Toilet Access



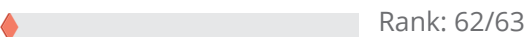
Information Access Vulnerability



3.2% Adult Illiteracy Rate
94.4% School Attendance Rate
96.0% Households without Internet
4.0% Housholds without TV



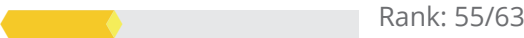
Economic Constraints



34.2 Economic Dependency Ratio
0.0% Poverty



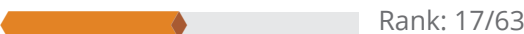
Gender Inequality



0.13 Income Inequality*
0.13 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



3.0% Average Annual Population Change
2.9% Average Annual Urban Population Change
1.6% Net Migration Rate



COPING CAPACITY (CC)

RANK: 2 / 63 PROVINCES
SCORE: 0.684

Ho Chi Minh City exhibits weaker Coping Capacity in the areas of Governance and Health Care Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

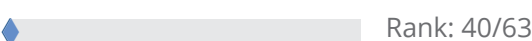


7.1	5,991	87.5	7.82	7.44
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



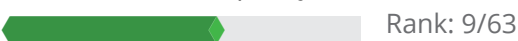
Governance



5.13	4.97	6.16
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



28.4%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 13/63

98.3%	35.58	5.96	13	6.13
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 1/63

14,158	11.29
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 3/63

92.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 2 / 63 PROVINCES
SCORE: 0.696

Ho Chi Minh City's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Environmental Stress



Population Pressures



Governance



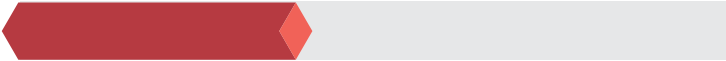
Health Care Capacity



MULTI-HAZARD RISK

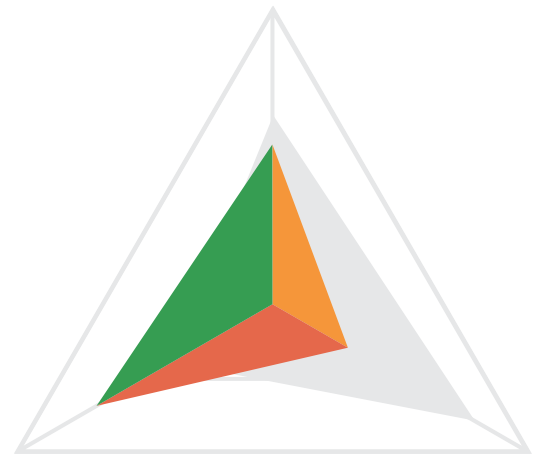
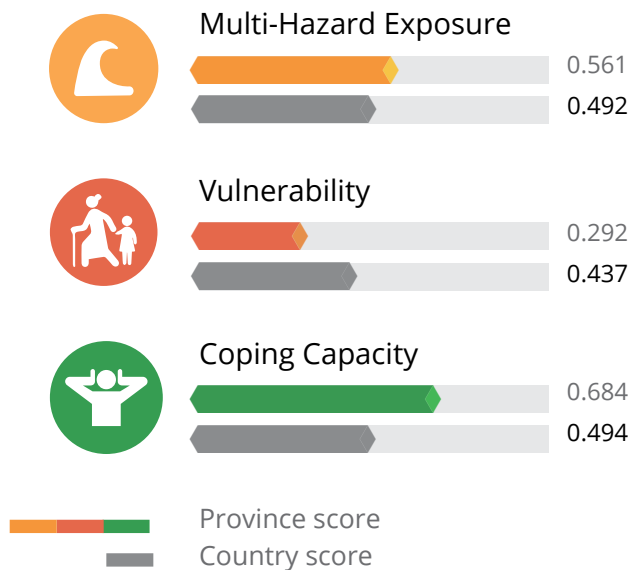
58 / 63

Rank within provinces
Score: 0.39



Ho Chi Minh City's score and ranking are due to moderate Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

HOA BINH

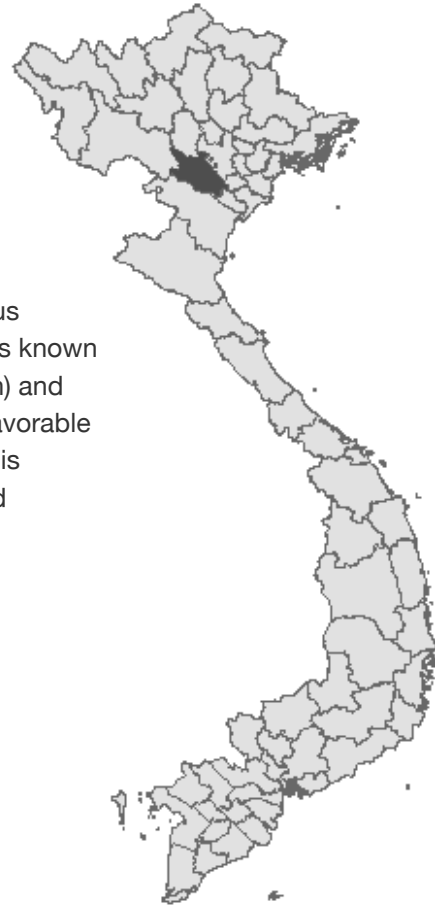
NDPBA PROVINCE PROFILE

VIỆT NAM HOA BINH

CAPITAL: HÒA BÌNH

Area: 5,071 km²

Neighboring Hanoi Capital to the west, Hoa Binh is a mountainous province located in the Northwest region of Viet Nam. Hoa Binh is known as the home to the Muong people (about 63% of total population) and other ethnic groups of Kinh, Thai, Dao, Tay, and Hmong. Given favorable natural conditions and cultural diversity, the province's economy is mostly based on agroforestry, specialized crops, ecotourism, and hydropower.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.521 • Rank: 18/63



RESILIENCE (R) - moderate
Score: 0.515 • Rank: 37/63



MULTI-HAZARD EXPOSURE - high
Score: 0.592 • Rank: 23/63



VULNERABILITY (V) - low
Score: 0.397 • Rank: 45/63



COPING CAPACITY (CC) - very low
Score: 0.427 • Rank: 54/63



Population (2017)
853,037



Population in Poverty
15.7%



Illiterate population
2.0%



Access to improved water
60.0%



Average life expectancy
72.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 23 / 63 PROVINCES
SCORE: 0.592

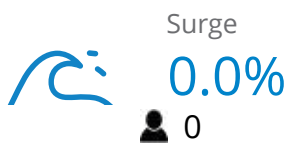
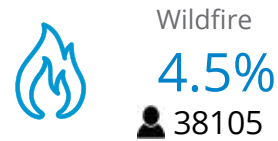
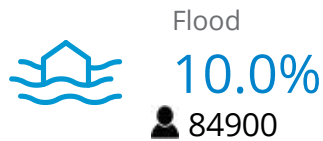


MHE
0.592

Raw MHE
0.497

Relative MHE
0.791

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





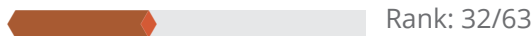
VULNERABILITY (V)

RANK: 45 / 63 PROVINCES
SCORE: 0.397

Vulnerability in Hoa Binh is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



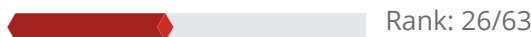
Environmental Stress



3.0% Forest Change
44.37 Livestock Density (per sq km)



Vulnerable Health Status



72.4 Life Expectancy (years)
17.4 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
29 Tuberculosis Incidence (per 100,000 persons)
100.81 Malaria Prevalance (per 100,000 persons)
164.1 HIV Prevalance (per 100,000 persons)



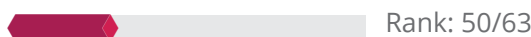
Clean Water Vulnerability



60.0% Households with Safe Water Access
42.6% Households with Hygienic Toilet Access



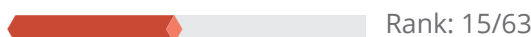
Information Access Vulnerability



2.0% Adult Illiteracy Rate
97.8% School Attendance Rate
89.0% Households without Internet
5.0% Housholds without TV



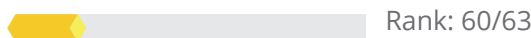
Economic Constraints



42.7 Economic Dependency Ratio
15.7% Poverty



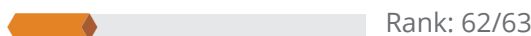
Gender Inequality



0.01 Income Inequality*
0.21 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.2% Average Annual Population Change
0.8% Average Annual Urban Population Change
1.1% Net Migration Rate



COPING CAPACITY (CC)

RANK: 54 / 63 PROVINCES
SCORE: 0.427

Hoa Binh exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

Rank: 60/63

5.1	4,138	12.14	5.94	7.6
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

Rank: 55/63

5.63	4.14	6.77
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

Rank: 20/63

12.3%
Protected Area



Infrastructure Capacity

Rank: 18/63



Health Care Capacity

Rank: 16/63

97.3%	33.89	7	14.35	9.28
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 42/63

2,003	46.56
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 23/63

86.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 37 / 63 PROVINCES
SCORE: 0.515

Ho Binh's score and ranking are due to low Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Economic Capacity



Governance



MULTI-HAZARD RISK

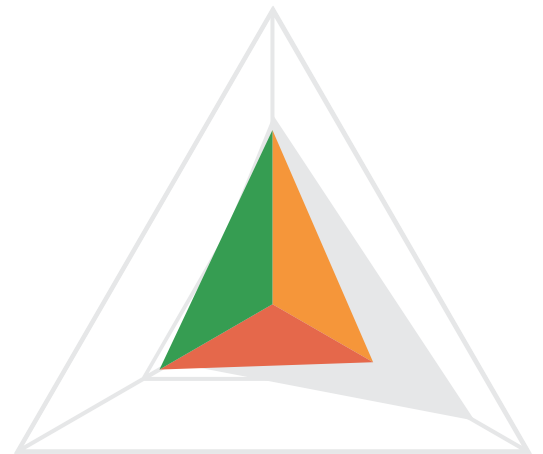
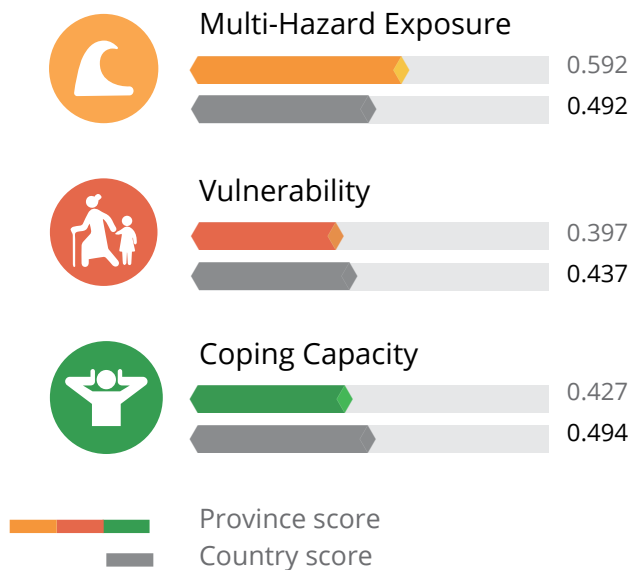
18 / 63

Rank within provinces
Score: 0.521



Ho Binh's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

HUNG YEN

NDPBA PROVINCE PROFILE

VIỆT NAM HUNG YEN

CAPITAL: HƯNG YÊN

Area: 1,069 km²

Neighboring Hanoi Capital to the southeast, Hung Yen province is located in the center of the Red River Delta. With delta topography features and plentiful water resource, the land is favorable for agriculture production. Hung Yen has been rapidly industrialized in recent years with 10 industrial parks in operation. With Hanoi expansion, the province is now rapidly developing new urban complexes and education institutions.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.552 • Rank: 9/63



RESILIENCE (R) - very low
Score: 0.47 • Rank: 53/63



MULTI-HAZARD EXPOSURE - high
Score: 0.595 • Rank: 22/63



VULNERABILITY (V) - low
Score: 0.405 • Rank: 40/63



COPING CAPACITY (CC) - very low
Score: 0.344 • Rank: 63/63



Population (2017)
1,203,304



Population in Poverty
3.5%



Illiterate population
5.2%



Access to improved water
99.9%



Average life expectancy
74.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 22 / 63 PROVINCES
SCORE: 0.595

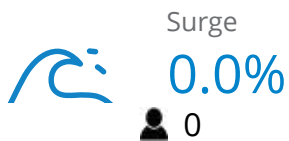
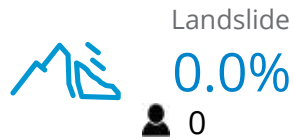
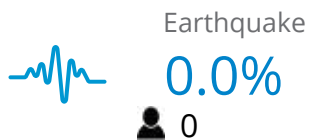
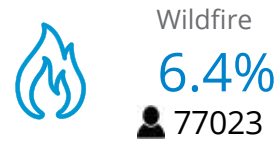
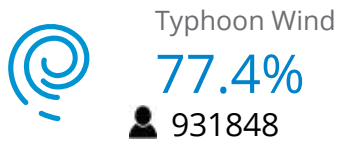


MHE
0.595

Raw MHE
0.575

Relative MHE
0.704

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 40 / 63 PROVINCES
SCORE: 0.405

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



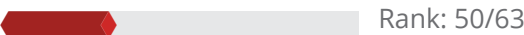
Environmental Stress



0.0% Forest Change
187.94 Livestock Density (per sq km)



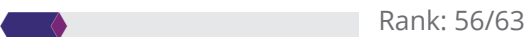
Vulnerable Health Status



74.2 Life Expectancy (years)
12.2 Infant Mortality Rate (per 1,000 live births)
6.5% Acute Malnutrition (Children <5)
34.9 Tuberculosis Incidence (per 100,000 persons)
0.26 Malaria Prevalance (per 100,000 persons)
93.3 HIV Prevalance (per 100,000 persons)



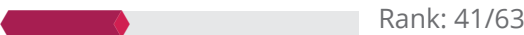
Clean Water Vulnerability



99.9% Households with Safe Water Access
78.6% Households with Hygienic Toilet Access



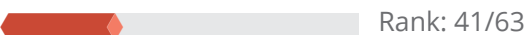
Information Access Vulnerability



5.2% Adult Illiteracy Rate
98.5% School Attendance Rate
87.0% Households without Internet
5.0% Housholds without TV



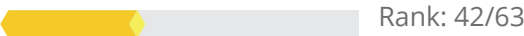
Economic Constraints



46.5 Economic Dependency Ratio
3.5% Poverty



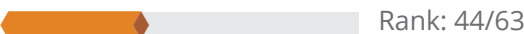
Gender Inequality



0.12 Income Inequality*
0.21 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
2.4% Average Annual Urban Population Change
3.3% Net Migration Rate



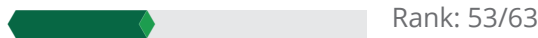
COPING CAPACITY (CC)

RANK: 63 / 63 PROVINCES
SCORE: 0.344

Hung Yen exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



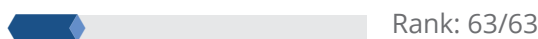
Rank: 53/63

5.25	4,349	18.03	6.38	7.35
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

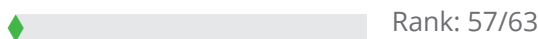


Rank: 63/63

5.37	4.21	5.62
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

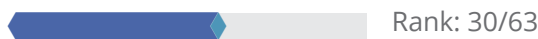


Rank: 57/63

0.0%
Protected Area



Infrastructure Capacity



Rank: 30/63



Health Care Capacity

Rank: 21/63

97.8%	28.62	6.08	13.12	4.74
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 45/63

1,238	23.41
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 43/63

81.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 53 / 63 PROVINCES
SCORE: 0.47

Hung Yen's score and ranking are due to low Vulnerability combined with very low Coping Capacity scores.

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



Environmental Stress



Population Pressures



Governance



Economic Capacity



MULTI-HAZARD RISK

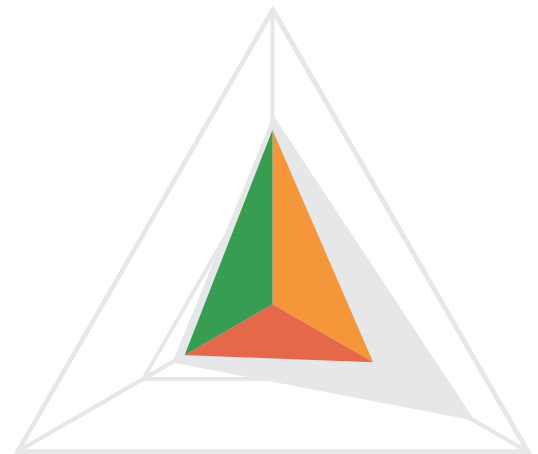
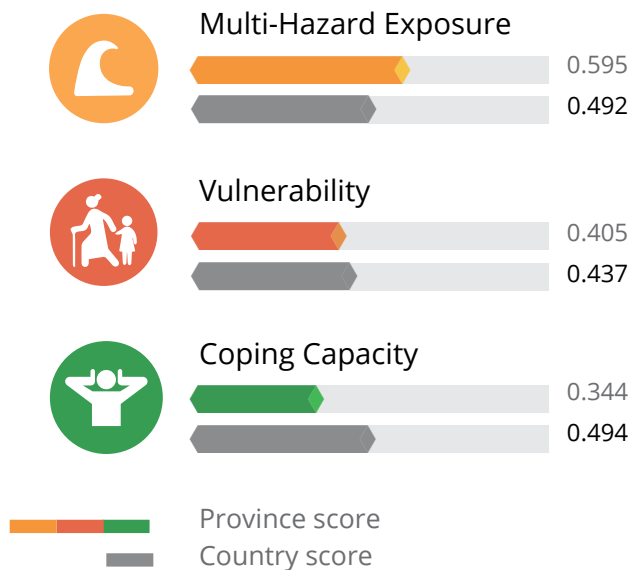
9 / 63

Rank within provinces
Score: 0.552



Hung Yen's score and ranking are due to high Multi-hazard exposure combined with low Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

KHANH HOA

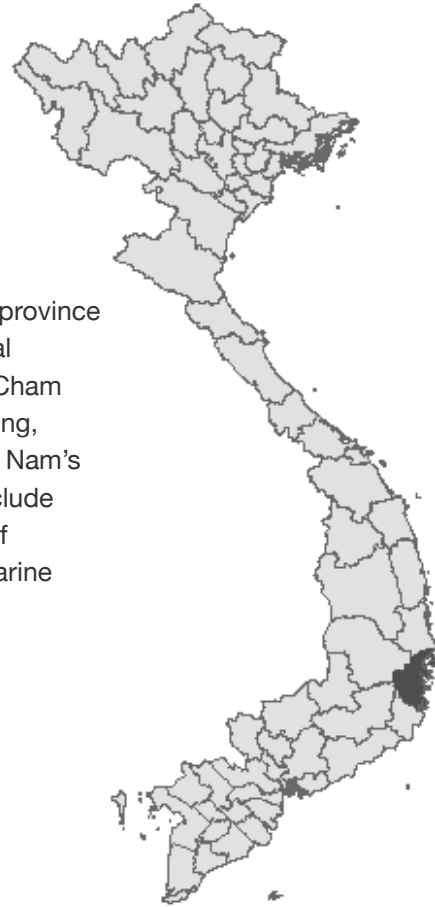
NDPBA PROVINCE PROFILE

VIỆT NAM KHANH HOA

CAPITAL: NHA TRANG

Area: 4,851 km²

Lying along the coastline of South Central Viet Nam, Khanh Hoa province is well-known for its tourism attractions including beautiful natural landscapes and sand beaches, along with historical sites of the Cham ancient culture. The most famous places are Nha Trang, Van Phong, and Cam Ranh bays, of which Van Phong is one of the three Viet Nam's Exclusive Economic Zones. Khanh Hoa's economic activities include agriculture, industry, and services. Tourism is an important part of the province's economy and Khanh Hoa also has a number of marine protection areas.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.425 • Rank: 49/63



RESILIENCE (R) - high
Score: 0.575 • Rank: 18/63



MULTI-HAZARD EXPOSURE - low
Score: 0.424 • Rank: 44/63



VULNERABILITY (V) - low
Score: 0.395 • Rank: 46/63



COPING CAPACITY (CC) - high
Score: 0.546 • Rank: 15/63



Population (2017)
1,263,412



Population in Poverty
5.0%



Illiterate population
8.7%



Access to improved water
91.8%



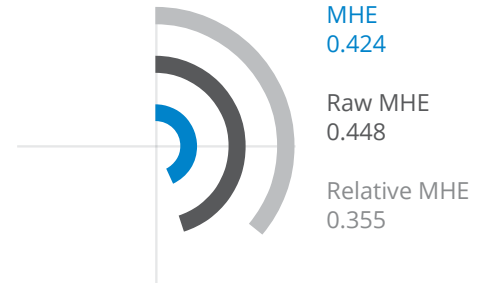
Average life expectancy
73.50 years

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

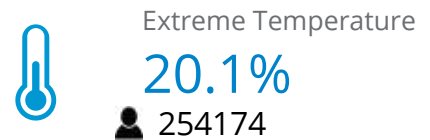
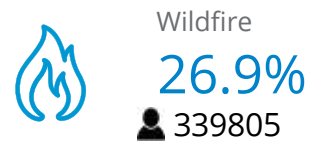
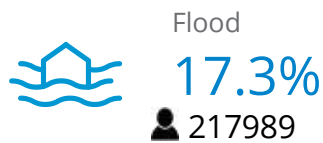


MULTI-HAZARD EXPOSURE

RANK: 44 / 63 PROVINCES
SCORE: 0.424



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





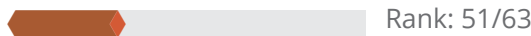
VULNERABILITY (V)

RANK: 46 / 63 PROVINCES
SCORE: 0.395

Vulnerability in Khanh Hoa is primarily driven by Gender Inequality and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



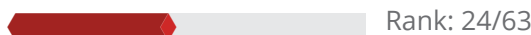
Environmental Stress



1.1% Forest Change
16.33 Livestock Density (per sq km)



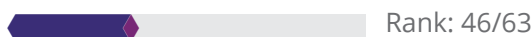
Vulnerable Health Status



73.5 Life Expectancy (years)
14 Infant Mortality Rate (per 1,000 live births)
7.0% Acute Malnutrition (Children <5)
66.7 Tuberculosis Incidence (per 100,000 persons)
101.43 Malaria Prevalance (per 100,000 persons)
191.7 HIV Prevalance (per 100,000 persons)



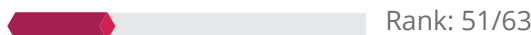
Clean Water Vulnerability



91.8% Households with Safe Water Access
87.8% Households with Hygienic Toilet Access



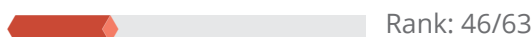
Information Access Vulnerability



8.7% Adult Illiteracy Rate
93.9% School Attendance Rate
75.0% Households without Internet
3.0% Housholds without TV



Economic Constraints



42.6 Economic Dependency Ratio
5.0% Poverty



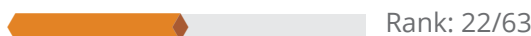
Gender Inequality



0.17 Income Inequality*
0.43 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.8% Average Annual Population Change
2.7% Average Annual Urban Population Change
7.9% Net Migration Rate



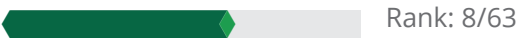
COPING CAPACITY (CC)

RANK: 15 / 63 PROVINCES
SCORE: 0.546

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



Economic Capacity

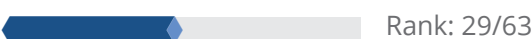


6.23	4,144	51.38	6.9	8.05
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



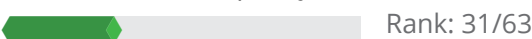
Governance



5.46	5.6	6.66
Law and Order*	Informal Charges*	Transparency*



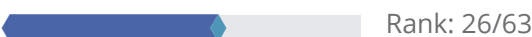
Environmental Capacity



7.2%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 42/63

97.4%	27.43	5.16	14.21	21.21
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 20/63

3,749	29.58
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 26/63

85.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 18 / 63 PROVINCES
SCORE: 0.575

Khanh Hoa's score and ranking are due to low Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Population Pressures



Governance



Health Care Capacity



MULTI-HAZARD RISK

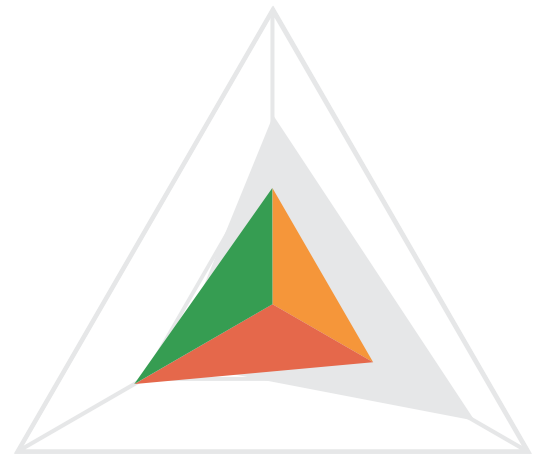
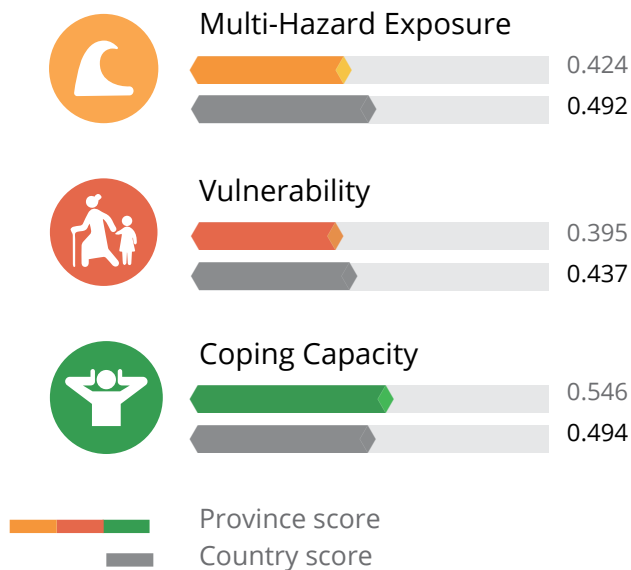
49 / 63

Rank within provinces
Score: 0.425



Khanh Hoa's score and ranking are due to low Multi-hazard exposure combined with low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

KIEN GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM

KIEN GIANG

CAPITAL: RẠCH GIÁ

Area: 6,524 km²

Kien Giang is a coastal province located in the west of the Mekong Delta sharing a border with Cambodia to the northwest and facing the Gulf of Thailand in the southwest. Covered mostly by agricultural land and long coastline, fishing, aquaculture, and rice production are leading economic activities of Kien Giang. Among all the province's attractive landscapes, Phu Quoc island is particularly famous for tourism and the traditional high-quality fish sauce. Recently, Phu Quoc became one of the three Viet Nam's Exclusive Economic Zones.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.42 • Rank: 51/63



RESILIENCE (R) - high
Score: 0.588 • Rank: 14/63



MULTI-HAZARD EXPOSURE - low
Score: 0.435 • Rank: 42/63



VULNERABILITY (V) - high
Score: 0.466 • Rank: 17/63



COPING CAPACITY (CC) - very high
Score: 0.641 • Rank: 5/63



Population (2017)
1,819,127



Population in Poverty
3.6%



Illiterate population
12.1%



Access to improved water
91.9%



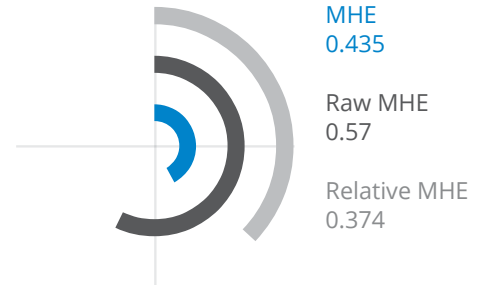
Average life expectancy
74.20 years

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

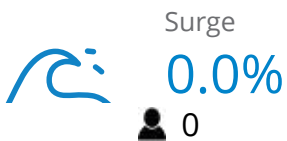
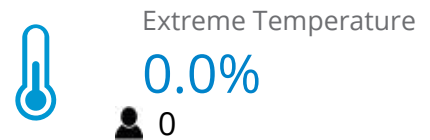
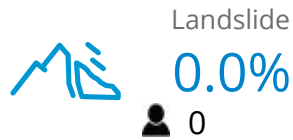
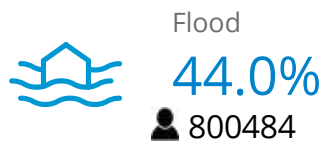


MULTI-HAZARD EXPOSURE

RANK: 42 / 63 PROVINCES
SCORE: 0.435



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

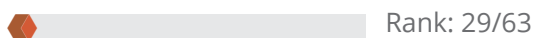
RANK: 17 / 63 PROVINCES

SCORE: 0.466

Vulnerability in Kien Giang is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



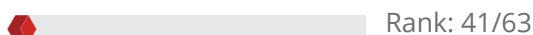
Environmental Stress



-5.9% Forest Change
15.07 Livestock Density (per sq km)



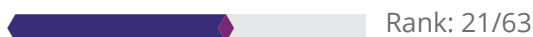
Vulnerable Health Status



74.2 Life Expectancy (years)
12.6 Infant Mortality Rate (per 1,000 live births)
6.7% Acute Malnutrition (Children <5)
94.1 Tuberculosis Incidence (per 100,000 persons)
0.63 Malaria Prevalance (per 100,000 persons)
196.9 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



91.9% Households with Safe Water Access
48.4% Households with Hygienic Toilet Access



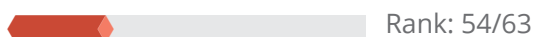
Information Access Vulnerability



12.1% Adult Illiteracy Rate
77.4% School Attendance Rate
90.0% Households without Internet
8.0% Housholds without TV



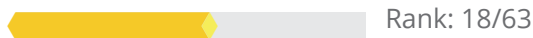
Economic Constraints



43.3 Economic Dependency Ratio
3.6% Poverty



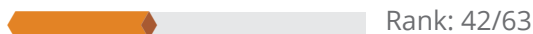
Gender Inequality



0.24 Income Inequality*
0.2 F M School Enrollment Rate*
 *Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
2.1% Average Annual Urban Population Change
2.0% Net Migration Rate



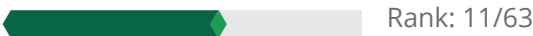
COPING CAPACITY (CC)

RANK: 5 / 63 PROVINCES
SCORE: 0.641

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



Economic Capacity



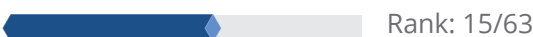
Rank: 11/63

7.56	4,130	35.97	7.1	8.39
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance



Rank: 15/63

6.15	6.85	5.78
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 2/63

49.8%
Protected Area



Infrastructure Capacity



Rank: 9/63



Health Care Capacity Rank: 26/63

97.6%	28.37	5.76	13.69	11.07
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 10/63

4,749	21.05
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 13/63

88.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 14 / 63 PROVINCES
SCORE: 0.588

Kien Giang's score and ranking are due to high Vulnerability combined with very high Coping Capacity scores.

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



Information Access Vulnerability



Clean Water Access Vulnerability



Health Care Capacity



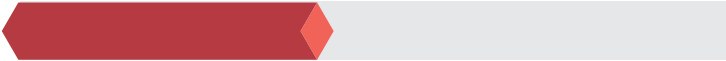
Governance



MULTI-HAZARD RISK

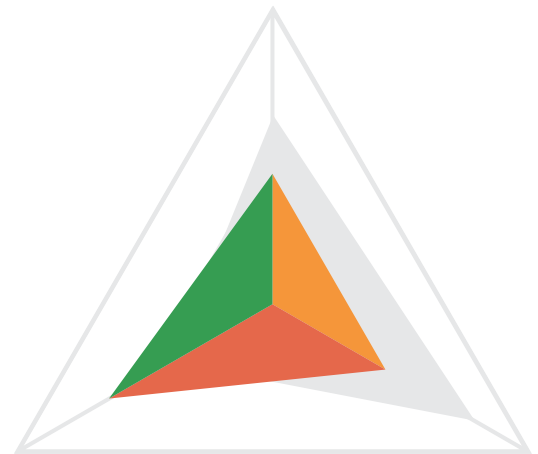
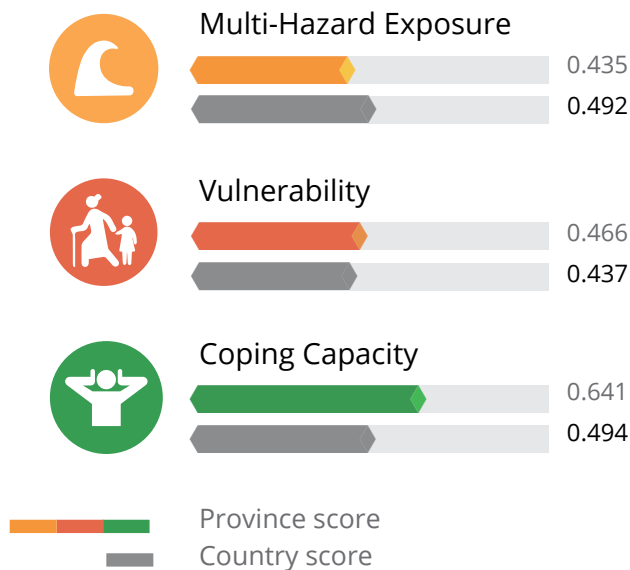
51 / 63

Rank within provinces
Score: 0.42



Kien Giang's score and ranking are due to low Multi-hazard exposure combined with high Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

KON TUM

NDPBA PROVINCE PROFILE

VIỆT NAM KON TUM

CAPITAL: KON TUM

Area: 8,718 km²

As the northern-most province of the Viet Nam's Central Highland, Kon Tum shares borders with Laos and Cambodia. With more than 50% forest cover and interleaved terrain of mountains and plateau, the province's economy is based on forest products and agriculture. Kon Tum is known for its diversified indigenous culture of Ba Na, Brau, Gie Trieng, Jarai, Ro Mam and, Xo Dang ethnic groups, valuable plants (e.g., Ngoc Linh ginseng) and plentiful birds species.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.592 • Rank: 4/63



RESILIENCE (R) - very low
Score: 0.391 • Rank: 61/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.559 • Rank: 28/63



VULNERABILITY (V) - very high
Score: 0.633 • Rank: 4/63



COPING CAPACITY (CC) - very low
Score: 0.414 • Rank: 56/63



Population (2017)
525,874



Population in Poverty
16.5%



Illiterate population
40.8%



Access to improved water
69.7%



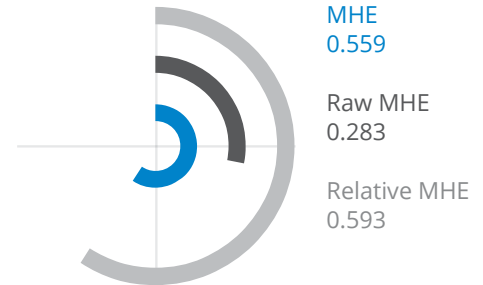
Average life expectancy
66.00 years

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

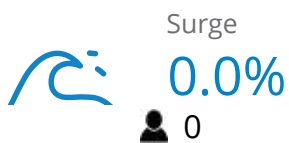
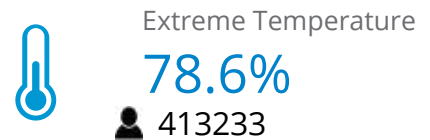
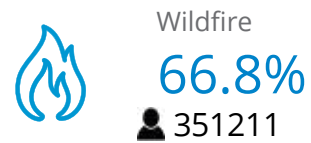
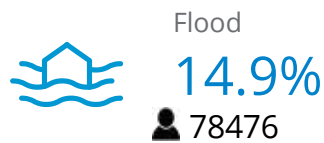


MULTI-HAZARD EXPOSURE

RANK: 28 / 63 PROVINCES
SCORE: 0.559



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





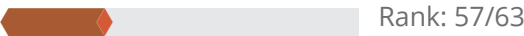
VULNERABILITY (V)

RANK: 4 / 63 PROVINCES
SCORE: 0.633

Vulnerability in Kon Tum is primarily driven by Vulnerable Health Status and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



-1.0% Forest Change
8.96 Livestock Density (per sq km)



Vulnerable Health Status



66	38.1	7.6%	44.7	148.03	51.5
Life Expectancy (years)	Infant Mortality Rate (per 1,000 live births)	Acute Malnutrition (Children <5)	Tuberculosis Incidence (per 100,000 persons)	Malaria Prevalance (per 100,000 persons)	HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



69.7% Households with Safe Water Access
53.2% Households with Hygienic Toilet Access



Information Access Vulnerability



40.8%	85.5%	86.0%	12.0%
Adult Illiteracy Rate	School Attendance Rate	Households without Internet	Housholds without TV



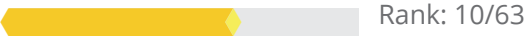
Economic Constraints



58.5 Economic Dependency Ratio
16.5% Poverty



Gender Inequality

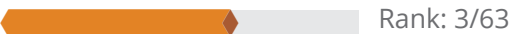


0.1 Income Inequality*
0.52 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



2.9%	3.8%	15.1%
Average Annual Population Change	Average Annual Urban Population Change	Net Migration Rate



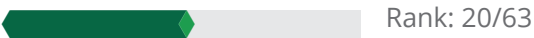
COPING CAPACITY (CC)

RANK: 56 / 63 PROVINCES
SCORE: 0.414

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



Economic Capacity

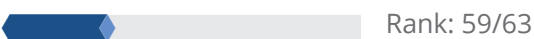


5.55	5,076	23.92	6.32	7.79
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



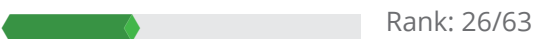
Governance



5.05	4.46	6.33
Law and Order*	Informal Charges*	Transparency*



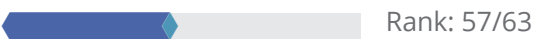
Environmental Capacity



9.9%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 14/63

95.9%	37.9	9.38	20.4	23.25
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 60/63

2,613	142.43
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 61/63

68.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 61 / 63 PROVINCES
SCORE: 0.391

Kon Tum's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Vulnerable Health Status



Clean Water Access Vulnerability



Transportation Capacity



Governance



MULTI-HAZARD RISK

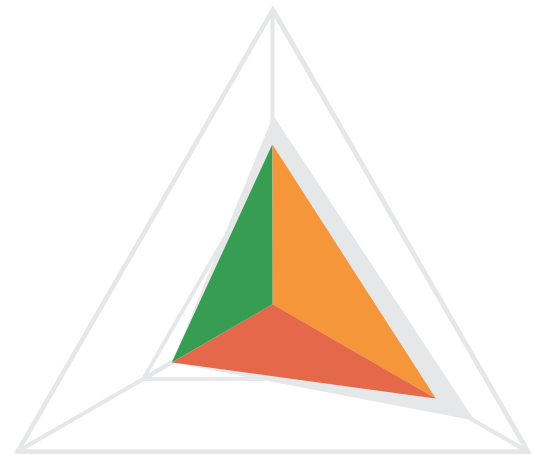
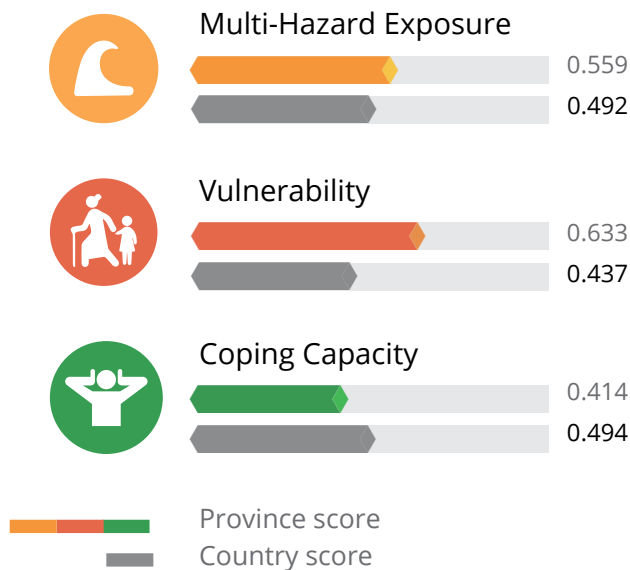
4 / 63

Rank within provinces
Score: 0.592



Kon Tum's score and ranking are due to moderate Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





ni / Shutterstock

VIỆT NAM

LAI CHAU

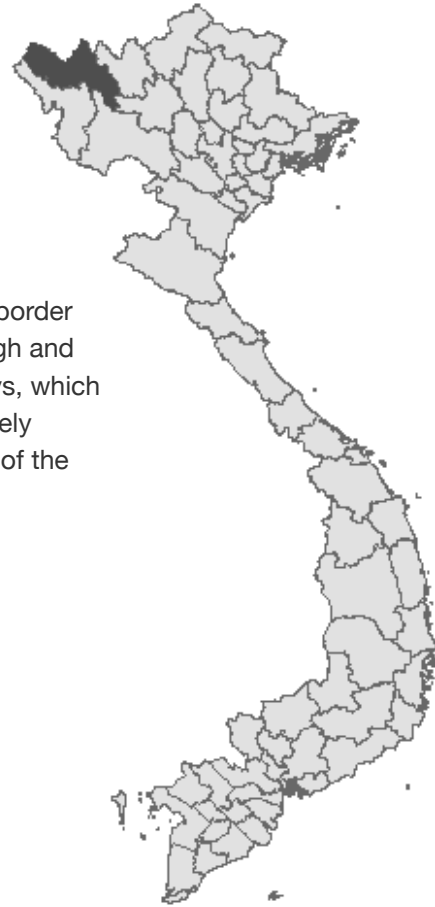
NDPBA PROVINCE PROFILE

VIỆT NAM LAI CHAU

CAPITAL: LAI CHÂU

Area: 10,636 km²

Located in the Northwest region of Viet Nam, Lai Chau shares a border with China to the north. The province's terrain is comprised of high and steep mountains and hills alternated with deep and narrow valleys, which are prone to frequent flash flood and landslide. Lai Chau is sparsely populated with Tai, Hmong, Kinh, Giay, and Dao people and one of the poorest provinces of the country.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.567 • Rank: 6/63



RESILIENCE (R) - very low
Score: 0.348 • Rank: 63/63



MULTI-HAZARD EXPOSURE - low
Score: 0.396 • Rank: 46/63



VULNERABILITY (V) - very high
Score: 0.667 • Rank: 1/63



COPING CAPACITY (CC) - very low
Score: 0.362 • Rank: 61/63



Population (2017)
426,354



Population in Poverty
31.5%



Illiterate population
7.4%



Access to improved water
22.6%



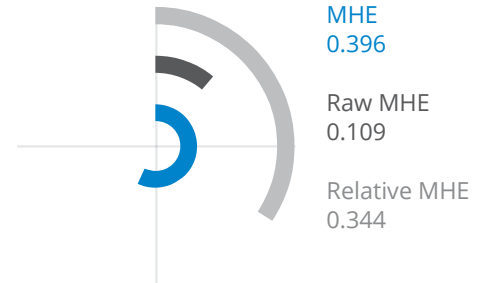
Average life expectancy
65.10 years

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

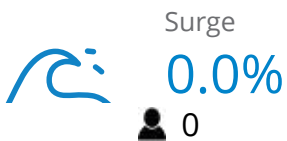
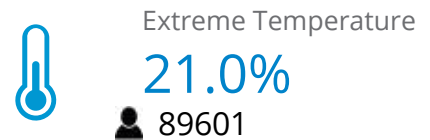
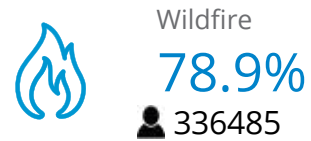
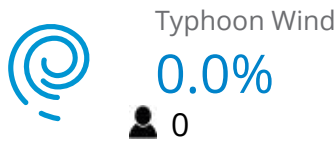


MULTI-HAZARD EXPOSURE

RANK: 46 / 63 PROVINCES
SCORE: 0.396



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





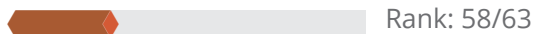
VULNERABILITY (V)

RANK: 1 / 63 PROVINCES
SCORE: 0.667

Vulnerability in Lai Chau is primarily driven by Economic Constraints and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



1.3% Forest Change
13.44 Livestock Density (per sq km)



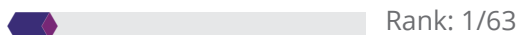
Vulnerable Health Status



65.1 Life Expectancy (years)
41.9 Infant Mortality Rate (per 1,000 live births)
6.9% Acute Malnutrition (Children <5)
21.2 Tuberculosis Incidence (per 100,000 persons)
174.81 Malaria Prevalance (per 100,000 persons)
512.4 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



22.6% Households with Safe Water Access
30.0% Households with Hygienic Toilet Access



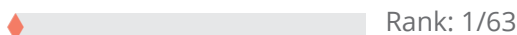
Information Access Vulnerability



7.4% Adult Illiteracy Rate
74.1% School Attendance Rate
91.0% Households without Internet
29.0% Housholds without TV



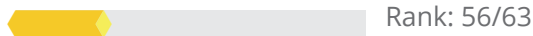
Economic Constraints



65.7 Economic Dependency Ratio
31.5% Poverty



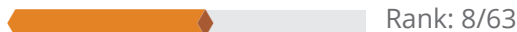
Gender Inequality



0.07 Income Inequality*
0.17 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.9% Average Annual Population Change
5.8% Average Annual Urban Population Change
1.4% Net Migration Rate



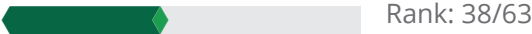
COPING CAPACITY (CC)

RANK: 61 / 63 PROVINCES
SCORE: 0.362

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



Economic Capacity

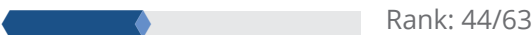


5.71	4,860	8.08	6.28	8.04
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



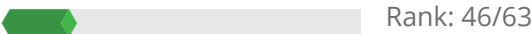
Governance



6.82	4.12	6.16
Law and Order*	Informal Charges*	Transparency*



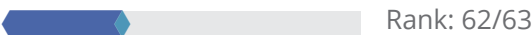
Environmental Capacity



2.3%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 23/63

93.3%	36.99	7.85	23.74	18.75
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 63/63

949	167.14
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 62/63

62.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 63 / 63 PROVINCES
SCORE: 0.348

Lai Chau's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Economic Constraints



Clean Water Access Vulnerability



Transportation Capacity



Communications Capacity



MULTI-HAZARD RISK

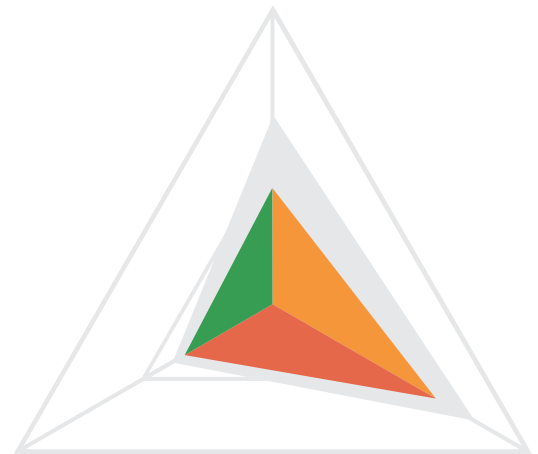
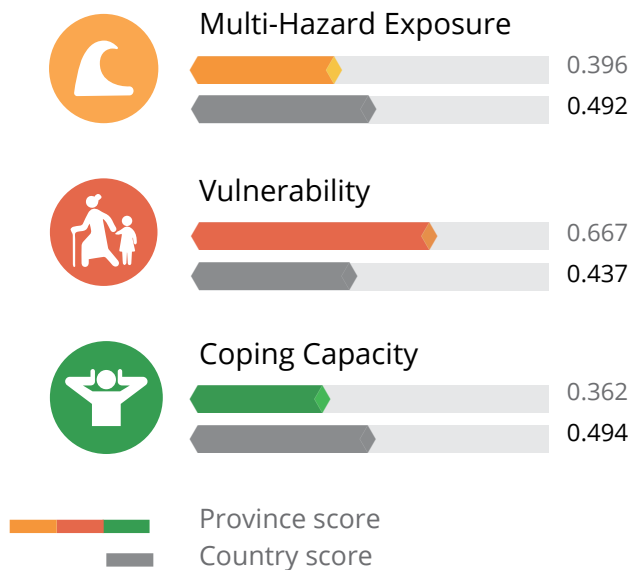
6 / 63

Rank within provinces
Score: 0.567



Lai Chau's score and ranking are due to low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

LAM DONG

NDPBA PROVINCE PROFILE

VIỆT NAM LAM DONG

CAPITAL: ĐÀ LẠT

Area: 10,279 km²

As the southern-most province of the Viet Nam's Central Highland, Lam Dong is a popular tourism destination for its abundant natural landscapes and cool weather all year round. The province also has deeply-rooted culture of indigenous people such as Co Ho, Ma, and Chu Ru ethnic groups. Da Lat, the capital city of the province, is attracting more than three million tourists each year. Besides tourism, the provincial economy is also based on hydropower generation and agriculture plantation. Main products include tea, coffee, and vegetables. Lam Dong is well known for high-tech agriculture.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.384 • Rank: 59/63



RESILIENCE (R) - very high
Score: 0.588 • Rank: 13/63



MULTI-HAZARD EXPOSURE - low
Score: 0.328 • Rank: 50/63



VULNERABILITY (V) - low
Score: 0.379 • Rank: 49/63



COPING CAPACITY (CC) - very high
Score: 0.555 • Rank: 12/63



Population (2017)
1,363,189



Population in Poverty
6.0%



Illiterate population
3.3%



Access to improved water
84.1%



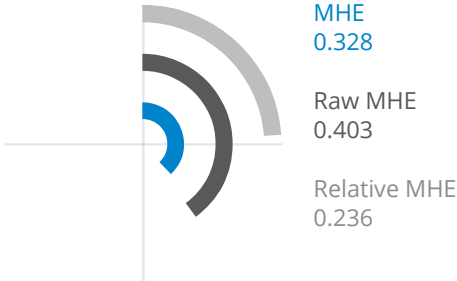
Average life expectancy
72.60 years

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



MULTI-HAZARD EXPOSURE

RANK: 50 / 63 PROVINCES
SCORE: 0.328



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1363189



Flood
10.5%
143780



Wildfire
20.7%
282274



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
0



VULNERABILITY (V)

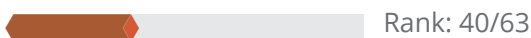
RANK: 49 / 63 PROVINCES

SCORE: 0.379

Vulnerability in Lam Dong is primarily driven by Clean Water Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



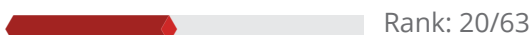
Environmental Stress



-2.3% Forest Change
15.53 Livestock Density (per sq km)



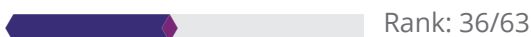
Vulnerable Health Status



72.6 Life Expectancy (years)
16.3 Infant Mortality Rate (per 1,000 live births)
7.7% Acute Malnutrition (Children <5)
22.7 Tuberculosis Incidence (per 100,000 persons)
38.07 Malaria Prevalance (per 100,000 persons)
111.6 HIV Prevalance (per 100,000 persons)



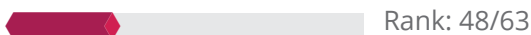
Clean Water Vulnerability



84.1% Households with Safe Water Access
80.8% Households with Hygienic Toilet Access



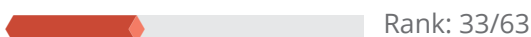
Information Access Vulnerability



3.3% Adult Illiteracy Rate
90.2% School Attendance Rate
76.0% Households without Internet
5.0% Housholds without TV



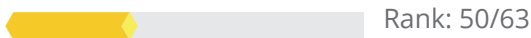
Economic Constraints



46.9 Economic Dependency Ratio
6.0% Poverty



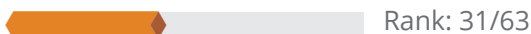
Gender Inequality



0.02 Income Inequality*
0.34 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.3% Average Annual Population Change
1.6% Average Annual Urban Population Change
2.9% Net Migration Rate



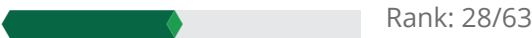
COPING CAPACITY (CC)

RANK: 12 / 63 PROVINCES
SCORE: 0.555

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



Economic Capacity

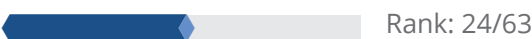


6.56	4,611	25.96	6.62	7.51
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



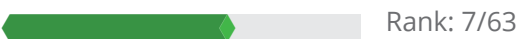
Governance



6.03	5.16	6.65
Law and Order*	Informal Charges*	Transparency*



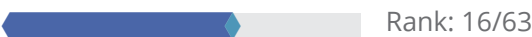
Environmental Capacity



31.4%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 37/63

98.7%	23.98	6.09	13.17	23.08
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 8/63

6,630	33.91
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 22/63

86.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 13 / 63 PROVINCES
SCORE: 0.588

Lam Dong's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Clean Water Access Vulnerability



Vulnerable Health Status



Economic Capacity



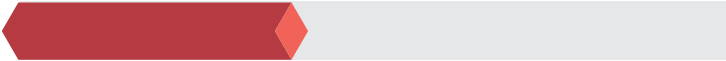
Health Care Capacity



MULTI-HAZARD RISK

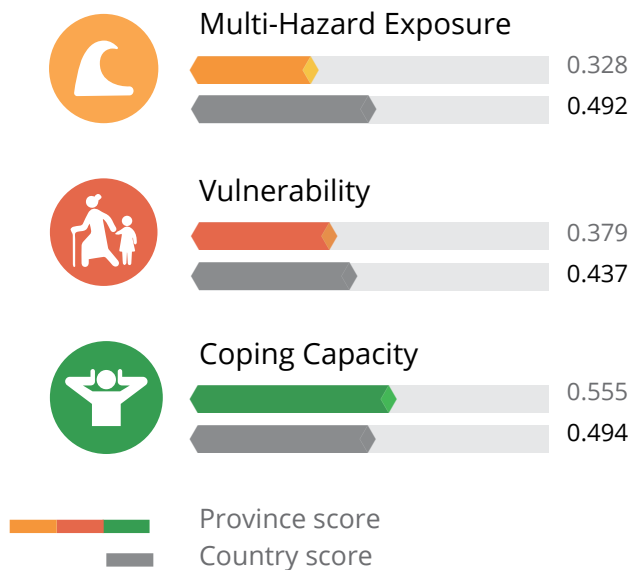
59 / 63

Rank within provinces
Score: 0.384



Lam Dong's score and ranking are due to low Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

LANG SON

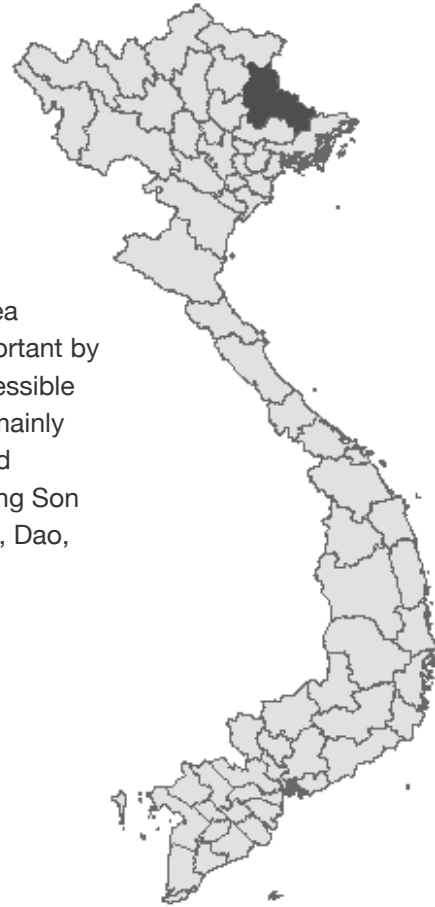
NDPBA PROVINCE PROFILE

VIỆT NAM LANG SON

CAPITAL: LẠNG SƠN

Area: 9,723 km²

Located in the Northeast region of Viet Nam and 80% of total area covered by mountains and forests, Lang Son is strategically important by sharing two international border gates with China and being accessible by highway and rail to Hanoi capital. The provincial economy is mainly based on international trade (with China), service, agriculture, and forestry, and in recent years is mineral resources exploitation. Lang Son is the home to seven main ethnic groups namely Nung, Tay, Kinh, Dao, Hoa, San Chay, and Hmong people.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.44 • Rank: 45/63



RESILIENCE (R) - very low
Score: 0.458 • Rank: 54/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.235 • Rank: 59/63



VULNERABILITY (V) - very high
Score: 0.486 • Rank: 13/63



COPING CAPACITY (CC) - very low
Score: 0.403 • Rank: 59/63



Population (2017)
785,291



Population in Poverty
16.2%



Illiterate population
16.7%



Access to improved water
55.8%



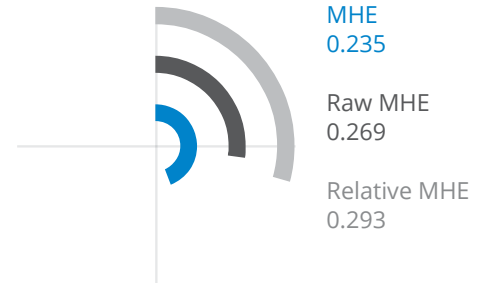
Average life expectancy
71.90 years

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

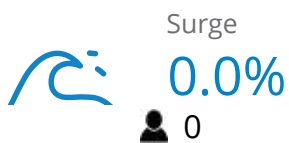


MULTI-HAZARD EXPOSURE

RANK: 59 / 63 PROVINCES
SCORE: 0.235



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

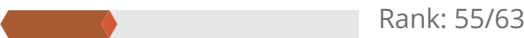
RANK: 13 / 63 PROVINCES

SCORE: 0.486

Vulnerability in Lang Son is primarily driven by Clean Water Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



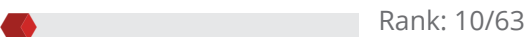
Environmental Stress



3.5% Forest Change
22.65 Livestock Density (per sq km)



Vulnerable Health Status



71.9 Life Expectancy (years)
18.3 Infant Mortality Rate (per 1,000 live births)
10.4% Acute Malnutrition (Children <5)
47.5 Tuberculosis Incidence (per 100,000 persons)
20.98 Malaria Prevalance (per 100,000 persons)
220.4 HIV Prevalance (per 100,000 persons)



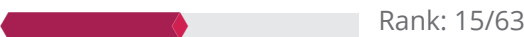
Clean Water Vulnerability



55.8% Households with Safe Water Access
34.8% Households with Hygienic Toilet Access



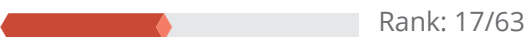
Information Access Vulnerability



16.7% Adult Illiteracy Rate
96.4% School Attendance Rate
88.0% Households without Internet
8.0% Housholds without TV



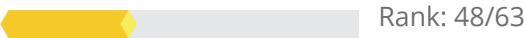
Economic Constraints



41.6 Economic Dependency Ratio
16.2% Poverty



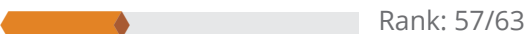
Gender Inequality



0.03 Income Inequality*
0.34 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
0.9% Average Annual Urban Population Change
2.9% Net Migration Rate



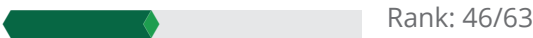
COPING CAPACITY (CC)

RANK: 59 / 63 PROVINCES
SCORE: 0.403

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



Economic Capacity

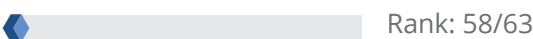


5.96	4,703	19.29	6.72	6.92
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



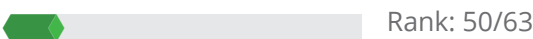
Governance



5.36	4.48	6.13
Law and Order*	Informal Charges*	Transparency*



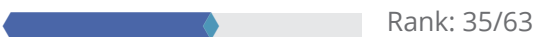
Environmental Capacity



1.4%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 8/63

98.4%	34.01	8.72	16.78	14.65
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 55/63

1,727	85.42
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 48/63

79.5%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 54 / 63 PROVINCES
SCORE: 0.458

Lang Son's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Vulnerable Health
Status



Governance



Transportation
Capacity



MULTI-HAZARD RISK

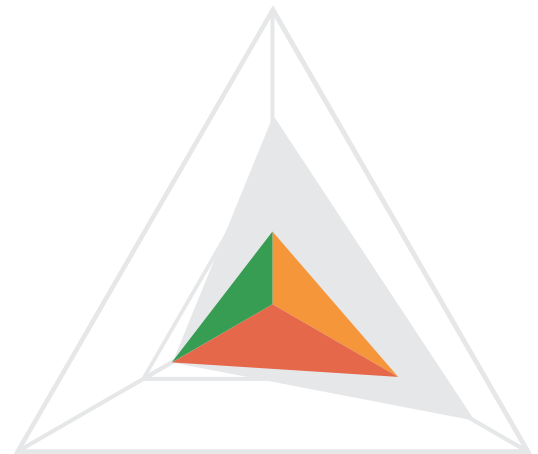
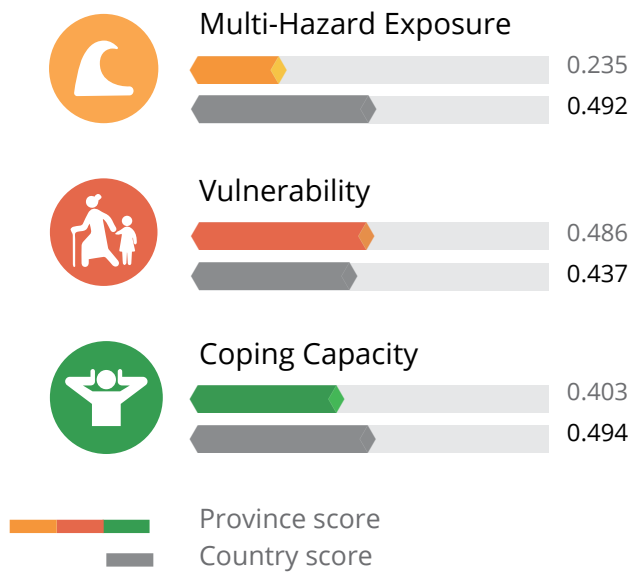
45 / 63

Rank within provinces
Score: 0.44



Lang Son's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

LAO CAI

NDPBA PROVINCE PROFILE

VIỆT NAM LAO CAI

CAPITAL: LÀO CAI

Area: 7,464 km²

Lao Cai province is located in the Northwest mountainous region of Viet Nam, sharing a border with China to the north. The province is home to 25 ethnic groups including the minority people of Hmong, Tay, Dao, Giay, and Nùng. Lao Cai possesses diverse natural environment including Fansipan peak (highest in the country) and Hoang Lien national park. The province's economy is based on international trade (with China), agriculture, forestry, mining, and tourism. Sa Pa town is a famous tourist destination in Viet Nam.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.346 • Rank: 61/63



RESILIENCE (R) - low
Score: 0.495 • Rank: 46/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.028 • Rank: 63/63



VULNERABILITY (V) - very high
Score: 0.507 • Rank: 11/63



COPING CAPACITY (CC) - high
Score: 0.497 • Rank: 23/63



Population (2017)
725,854



Population in Poverty
21.4%



Illiterate population
4.8%



Access to improved water
41.2%



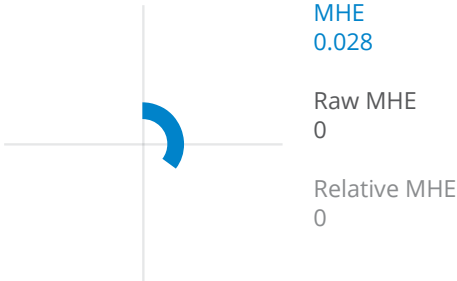
Average life expectancy
68.60 years

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



MULTI-HAZARD EXPOSURE

RANK: 63 / 63 PROVINCES
SCORE: 0.028



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
15.3%
110738



Wildfire
21.8%
158552



Earthquake
0.0%
95



Landslide
36.1%
262115



Extreme Temperature
4.3%
31318



Surge
0.0%
0



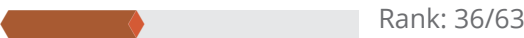
VULNERABILITY (V)

RANK: 11 / 63 PROVINCES
SCORE: 0.507

Vulnerability in Lao Cai is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



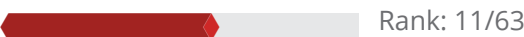
Environmental Stress



1.2% Forest Change
32.9 Livestock Density (per sq km)



Vulnerable Health Status



68.6 Life Expectancy (years)
28.8 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
21.6 Tuberculosis Incidence (per 100,000 persons)
27.36 Malaria Prevalance (per 100,000 persons)
316.1 HIV Prevalance (per 100,000 persons)



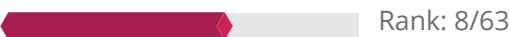
Clean Water Vulnerability



41.2% Households with Safe Water Access
53.1% Households with Hygienic Toilet Access



Information Access Vulnerability



4.8% Adult Illiteracy Rate
87.6% School Attendance Rate
98.0% Households without Internet
12.0% Housholds without TV



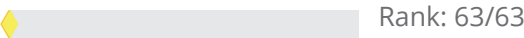
Economic Constraints



51.5 Economic Dependency Ratio
21.4% Poverty



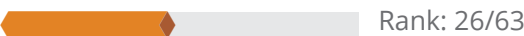
Gender Inequality



0 Income Inequality*
0.04 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.6% Average Annual Population Change
2.9% Average Annual Urban Population Change
2.0% Net Migration Rate



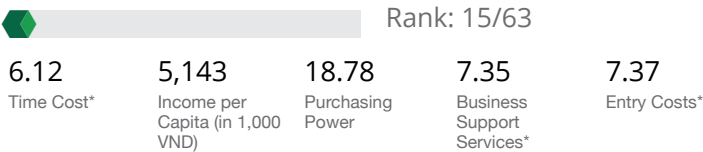
COPING CAPACITY (CC)

RANK: 23 / 63 PROVINCES
SCORE: 0.497

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



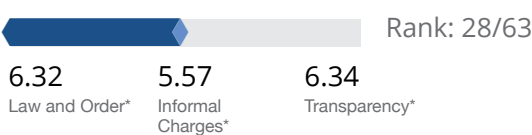
Economic Capacity



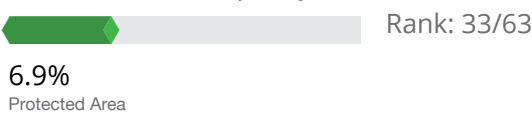
*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



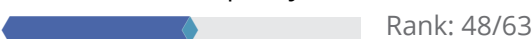
Governance



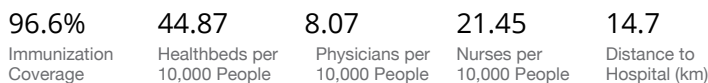
Environmental Capacity



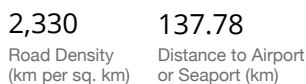
Infrastructure Capacity



Health Care Capacity Rank: 5/63



Transportation Capacity Rank: 61/63



Communications Capacity Rank: 60/63





RESILIENCE (R)

RANK: 46 / 63 PROVINCES
SCORE: 0.495

Lao Cai's score and ranking are due to very high Vulnerability combined with high Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Transportation
Capacity



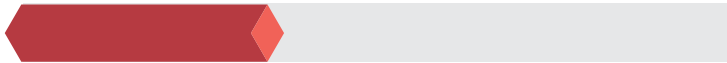
Communications
Capacity



MULTI-HAZARD RISK

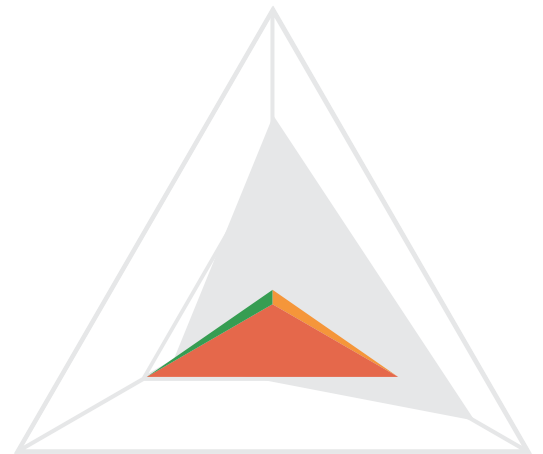
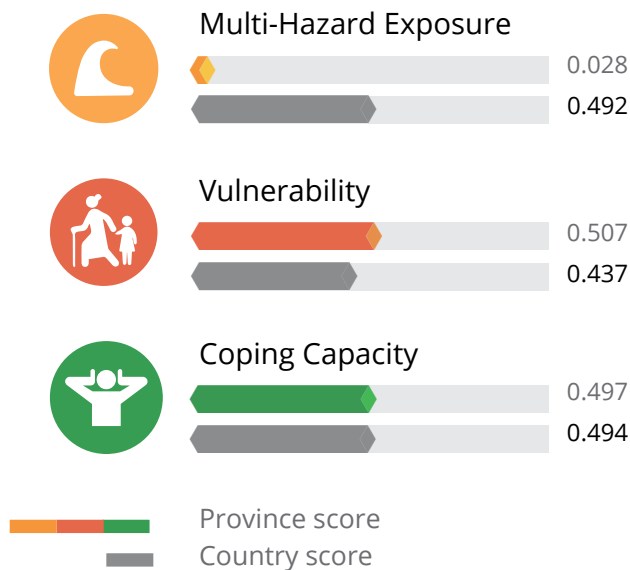
61 / 63

Rank within provinces
Score: 0.346



Lao Cai's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

LONG AN

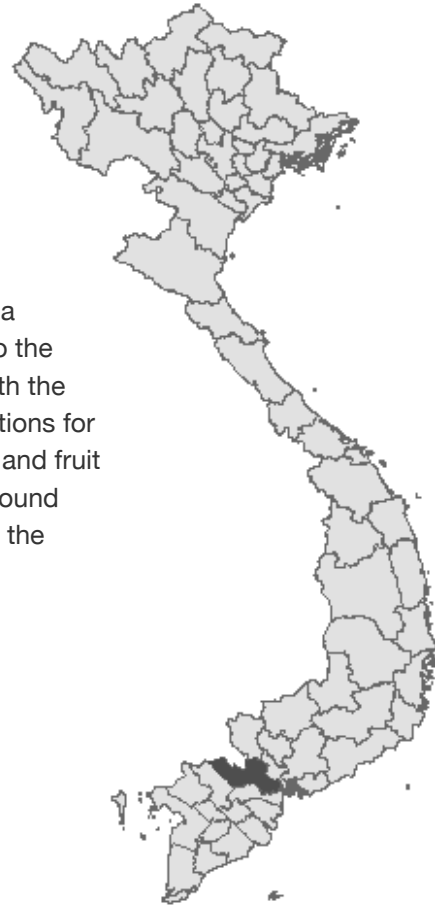
NDPBA PROVINCE PROFILE

VIỆT NAM LONG AN

CAPITAL: TÂN AN

Area: 4,683 km²

Neighboring Ho Chi Minh City to the south and west, Long An is a province in the Mekong Delta, sharing a border with Cambodia to the west and facing East Sea to the east. The relatively flat terrain with the complex river and canal system of Long An provides good conditions for agriculture and aquaculture. The province is one of the main rice and fruit producers in Viet Nam. Long An has rapidly industrialized with around 35 industrial parks in operation. Being a low-lying coastal region, the province is susceptible to floods and rises in sea level.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.481 • Rank: 29/63



RESILIENCE (R) - very high
Score: 0.608 • Rank: 8/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.658 • Rank: 10/63



VULNERABILITY (V) - low
Score: 0.389 • Rank: 47/63



COPING CAPACITY (CC) - very high
Score: 0.604 • Rank: 7/63



Population (2017)
1,572,531



Population in Poverty
5.0%



Illiterate population
2.0%



Access to improved water
96.5%



Average life expectancy
75.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 10 / 63 PROVINCES
SCORE: 0.658

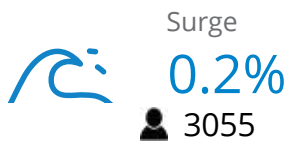
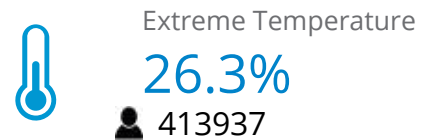
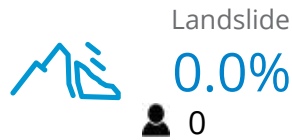
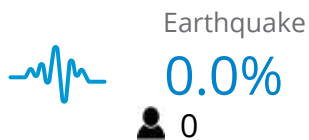
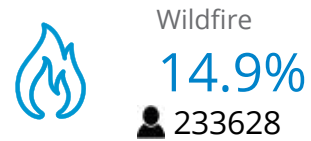


MHE
0.658

Raw MHE
0.655

Relative MHE
0.698

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





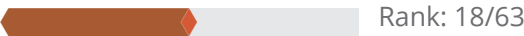
VULNERABILITY (V)

RANK: 47 / 63 PROVINCES
SCORE: 0.389

Vulnerability in Long An is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



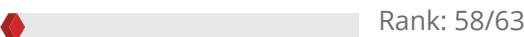
Environmental Stress



-10.5% Forest Change
28.84 Livestock Density (per sq km)



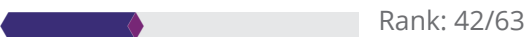
Vulnerable Health Status



75.4 Life Expectancy (years)
9.5 Infant Mortality Rate (per 1,000 live births)
5.6% Acute Malnutrition (Children <5)
73.9 Tuberculosis Incidence (per 100,000 persons)
0.68 Malaria Prevalance (per 100,000 persons)
146.9 HIV Prevalance (per 100,000 persons)



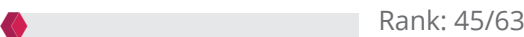
Clean Water Vulnerability



96.5% Households with Safe Water Access
71.1% Households with Hygienic Toilet Access



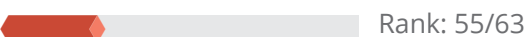
Information Access Vulnerability



2.0% Adult Illiteracy Rate
91.0% School Attendance Rate
89.0% Households without Internet
3.0% Housholds without TV



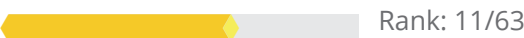
Economic Constraints



41.5 Economic Dependency Ratio
5.0% Poverty



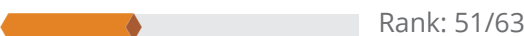
Gender Inequality



0.15 Income Inequality*
0.43 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
1.3% Average Annual Urban Population Change
3.0% Net Migration Rate



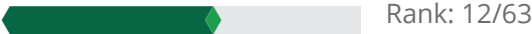
COPING CAPACITY (CC)

RANK: 7 / 63 PROVINCES
SCORE: 0.604

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



Economic Capacity



Rank: 12/63

7.6	4,407	32.23	6.49	8.71
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

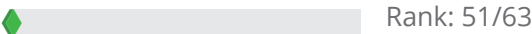


Rank: 3/63

7.2	6.83	6.52
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

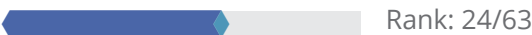


Rank: 51/63

1.1%
Protected Area



Infrastructure Capacity



Rank: 24/63



Health Care Capacity Rank: 45/63

97.4%	25.53	5.66	11.95	19.29
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 6/63

6,714	27.12
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 40/63

82.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 8 / 63 PROVINCES
SCORE: 0.608

Long An's score and ranking are due to low Vulnerability combined with very high Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Health Care Capacity



Environmental Capacity



MULTI-HAZARD RISK

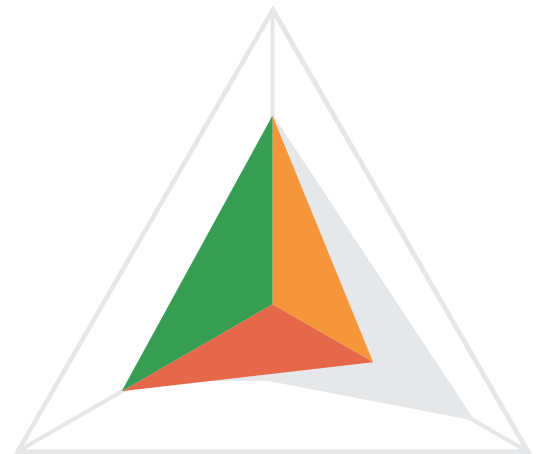
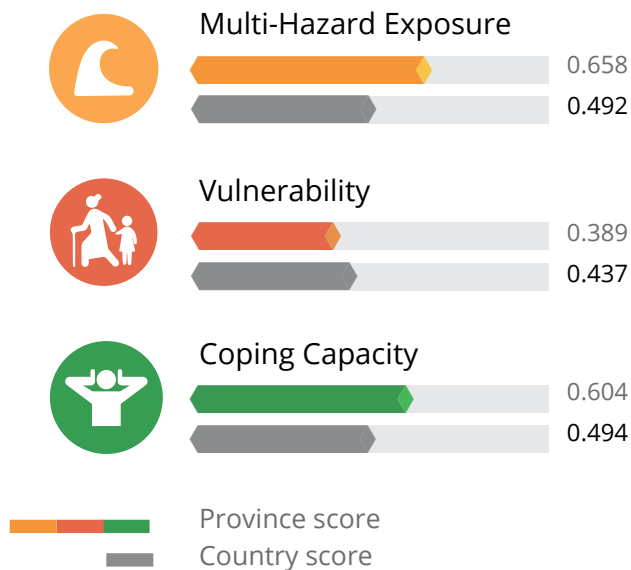
29 / 63

Rank within provinces
Score: 0.481



Long An's score and ranking are due to very high Multi-hazard exposure combined with low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

NAM DINH

NDPBA PROVINCE PROFILE

VIỆT NAM NAM DINH

CAPITAL: NAM ĐỊNH

Area: 1,845 km²

Located in the southeastern part of the Red River Delta, Nam Dinh is a province with rich historical and cultural heritages. The province's terrain is comprised of hollow delta, coastal delta, and sand banks, with three big river systems and five river mouths along the sea coast. Xuan Thuy national park is a RAMSA biosphere reserve. The provincial economy is based on agriculture, forestry, service, and industrial manufacturing (in six industrial zones and 17 industrial clusters).



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.561 • Rank: 7/63



RESILIENCE (R) - high
Score: 0.553 • Rank: 21/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.789 • Rank: 2/63



VULNERABILITY (V) - very low
Score: 0.349 • Rank: 55/63



COPING CAPACITY (CC) - low
Score: 0.454 • Rank: 41/63



Population (2017)
1,897,975



Population in Poverty
3.8%



Illiterate population
3.0%



Access to improved water
99.9%



Average life expectancy
74.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 2 / 63 PROVINCES
SCORE: 0.789

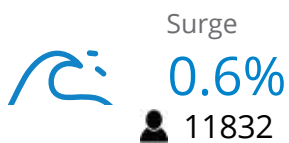
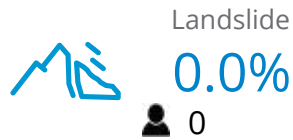
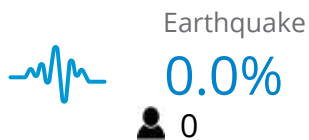


MHE
0.789

Raw MHE
0.777

Relative MHE
0.919

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 55 / 63 PROVINCES
SCORE: 0.349

Vulnerability in Nam Dinh is primarily driven by Environmental Stress and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



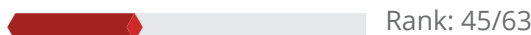
Environmental Stress



-1.8% Forest Change
134.69 Livestock Density (per sq km)



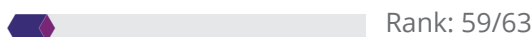
Vulnerable Health Status



74.1 Life Expectancy (years)
12.6 Infant Mortality Rate (per 1,000 live births)
5.4% Acute Malnutrition (Children <5)
51 Tuberculosis Incidence (per 100,000 persons)
27.74 Malaria Prevalance (per 100,000 persons)
212.8 HIV Prevalance (per 100,000 persons)



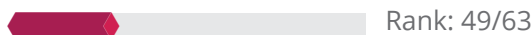
Clean Water Vulnerability



99.9% Households with Safe Water Access
86.5% Households with Hygienic Toilet Access



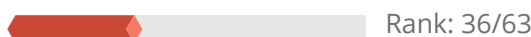
Information Access Vulnerability



3.0% Adult Illiteracy Rate
99.7% School Attendance Rate
87.0% Households without Internet
5.0% Housholds without TV



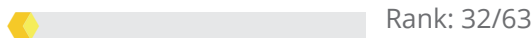
Economic Constraints



48.5 Economic Dependency Ratio
3.8% Poverty



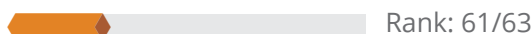
Gender Inequality



0.16 Income Inequality*
0.22 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.0% Average Annual Population Change
1.9% Average Annual Urban Population Change
4.7% Net Migration Rate



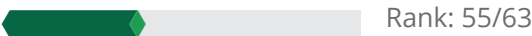
COPING CAPACITY (CC)

RANK: 41 / 63 PROVINCES
SCORE: 0.454

Nam Dinh exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



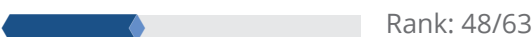
Rank: 55/63

6.69	4,176	14.61	6.35	7.62
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

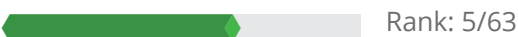


Rank: 48/63

6.73	4.62	5.33
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

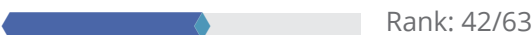


Rank: 5/63

33.0%
Protected Area



Infrastructure Capacity



Rank: 42/63



Health Care Capacity

Rank: 40/63

97.0%	27.73	4.62	10.02	6.19
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 34/63

1,784	15.85
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 41/63

82.2%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 21 / 63 PROVINCES
SCORE: 0.553

Nam Dinh'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:



Environmental Stress



Gender Inequality



Governance



Economic Capacity



MULTI-HAZARD RISK

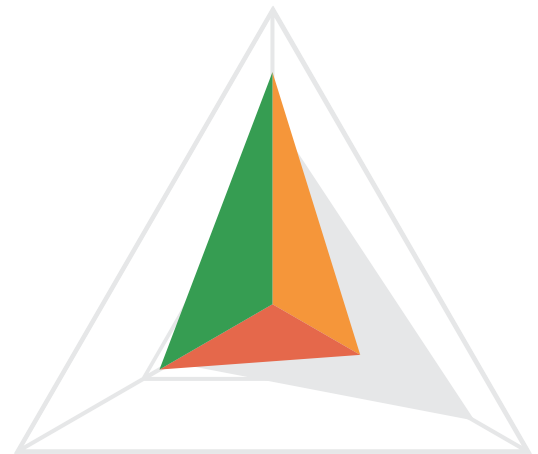
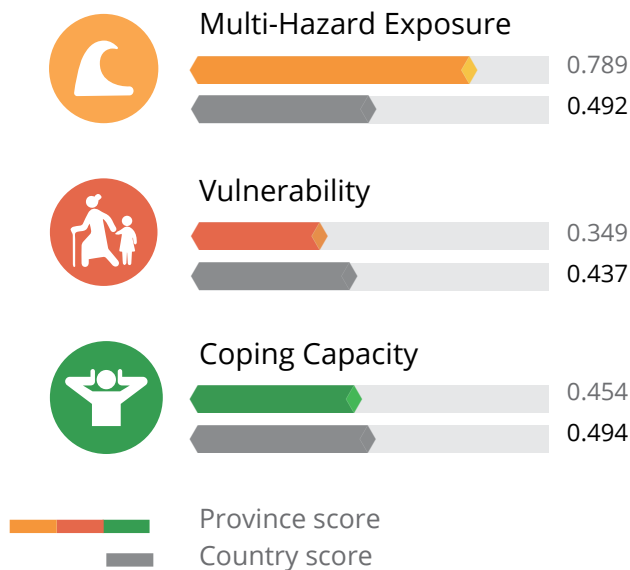
7 / 63

Rank within provinces
Score: 0.561



Nam Dinh'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:





VIỆT NAM

NGHE AN

NDPBA PROVINCE PROFILE

VIỆT NAM NGHE AN

CAPITAL: VINH

Area: 18,637 km²

Nghe An is the largest province located in the North Central Coastal region of Viet Nam, sharing a border with Laos to the west. The province is two thirds natural forested area and has a large reserve of minerals, especially limestone. Nghe An is rich in natural resources, scenery, and beaches with a long history and deep-rooted culture in Vi Dam folk music. The province's economy is based on agriculture, forestry, mining, and an industrial focus with 13 large industrial zones, producing cement, white stone, sugar, and milk.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.568 • Rank: 5/63



RESILIENCE (R) - moderate
Score: 0.539 • Rank: 25/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.781 • Rank: 3/63



VULNERABILITY (V) - moderate
Score: 0.432 • Rank: 29/63



COPING CAPACITY (CC) - high
Score: 0.51 • Rank: 21/63



Population (2017)
3,123,992



Population in Poverty
12.3%



Illiterate population
2.2%



Access to improved water
86.5%



Average life expectancy
72.50 years

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



MULTI-HAZARD EXPOSURE

RANK: 3 / 63 PROVINCES
SCORE: 0.781

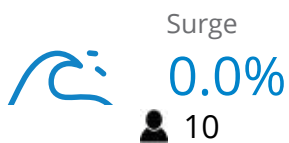
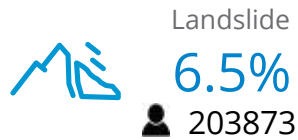
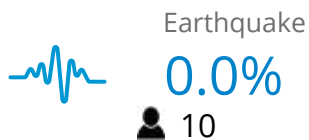
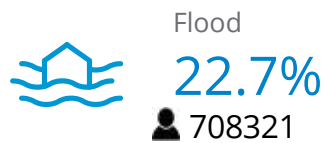


MHE
0.781

Raw MHE
0.88

Relative MHE
0.745

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





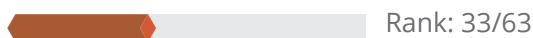
VULNERABILITY (V)

RANK: 29 / 63 PROVINCES
SCORE: 0.432

Vulnerability in Nghe An is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



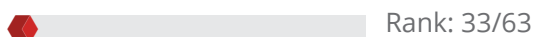
Environmental Stress



2.9% Forest Change
43.35 Livestock Density (per sq km)



Vulnerable Health Status



72.5 Life Expectancy (years)
16.8 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
33.5 Tuberculosis Incidence (per 100,000 persons)
19.89 Malaria Prevalance (per 100,000 persons)
214.7 HIV Prevalance (per 100,000 persons)



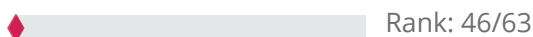
Clean Water Vulnerability



86.5% Households with Safe Water Access
41.3% Households with Hygienic Toilet Access



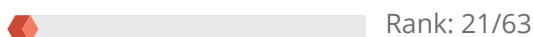
Information Access Vulnerability



2.2% Adult Illiteracy Rate
97.7% School Attendance Rate
86.0% Households without Internet
7.0% Housholds without TV



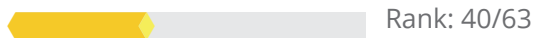
Economic Constraints



44.5 Economic Dependency Ratio
12.3% Poverty



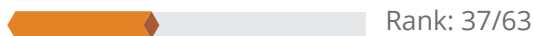
Gender Inequality



0.11 Income Inequality*
0.23 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.6% Average Annual Population Change
3.9% Average Annual Urban Population Change
1.1% Net Migration Rate



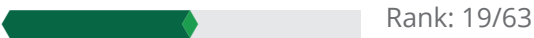
COPING CAPACITY (CC)

RANK: 21 / 63 PROVINCES
SCORE: 0.51

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



Economic Capacity

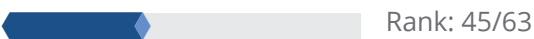


6.72	4,576	15.48	7.45	7.85
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



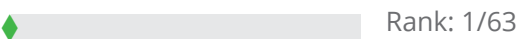
Governance



5.13	4.68	6.38
Law and Order*	Informal Charges*	Transparency*



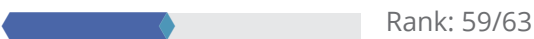
Environmental Capacity



78.6%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 53/63

94.3%	30.3	5.31	12.9	18.14
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 58/63

5,719	167.31
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 32/63

83.9%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 25 / 63 PROVINCES
SCORE: 0.539

Nghe An's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Transportation
Capacity



Governance



MULTI-HAZARD RISK

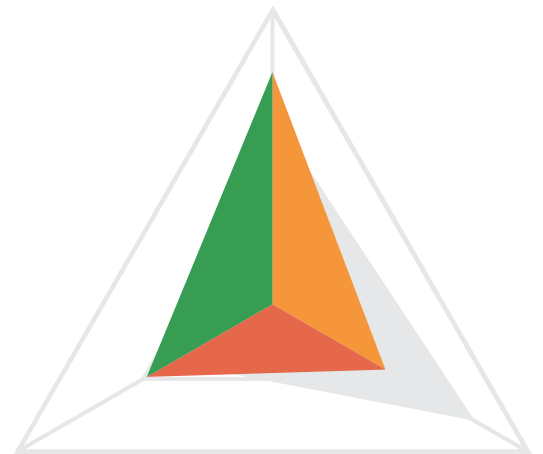
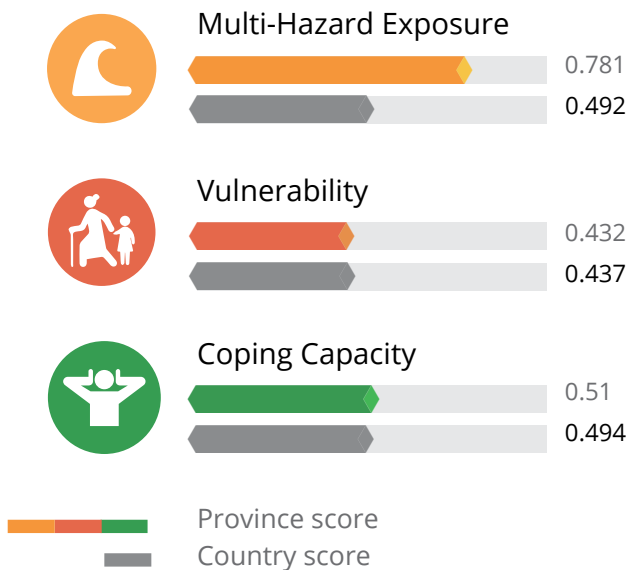
5 / 63

Rank within provinces
Score: 0.568



Nghe An's score and ranking are due to very high Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

NINH BINH

NDPBA PROVINCE PROFILE

VIỆT NAM

NINH BINH

CAPITAL: NINH BÌNH

Area: 1,558 km²

Located in the southern Red River Delta, Ninh Binh province is famous for a high density of natural and cultural attractions, including Trang An landscape complex (UNESCO World Heritage site), Cuc Phuong National Park, historic monuments in the Hoa Lu ancient capital. Ninh Binh is also known for having a large catholic population. The province's economic activities include tourism, industrial manufacturing (mostly construction materials in seven large industrial zones), mining, service, and agriculture.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.53 • Rank: 15/63



RESILIENCE (R) - moderate
Score: 0.523 • Rank: 32/63



MULTI-HAZARD EXPOSURE - high
Score: 0.636 • Rank: 16/63



VULNERABILITY (V) - high
Score: 0.438 • Rank: 26/63



COPING CAPACITY (CC) - moderate
Score: 0.484 • Rank: 29/63



Population (2017)
929,776



Population in Poverty
5.5%



Illiterate population
12.5%



Access to improved water
97.4%



Average life expectancy
73.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 16 / 63 PROVINCES
SCORE: 0.636

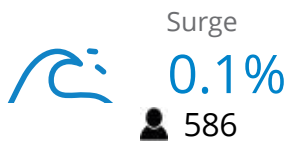
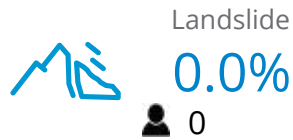
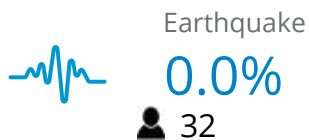
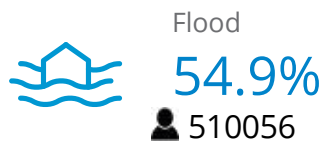


MHE
0.636

Raw MHE
0.542

Relative MHE
0.858

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





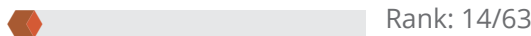
VULNERABILITY (V)

RANK: 26 / 63 PROVINCES
SCORE: 0.438

Vulnerability in Ninh Binh is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



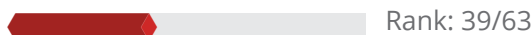
Environmental Stress



-0.2% Forest Change
85.9 Livestock Density (per sq km)



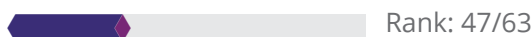
Vulnerable Health Status



73.4 Life Expectancy (years)	14.3 Infant Mortality Rate (per 1,000 live births)	5.5% Acute Malnutrition (Children <5)	37.9 Tuberculosis Incidence (per 100,000 persons)	53.75 Malaria Prevalance (per 100,000 persons)	287.1 HIV Prevalance (per 100,000 persons)
--	--	---	---	--	--



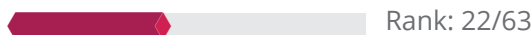
Clean Water Vulnerability



97.4% Households with Safe Water Access
75.6% Households with Hygienic Toilet Access



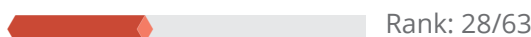
Information Access Vulnerability



12.5% Adult Illiteracy Rate	96.6% School Attendance Rate	87.0% Households without Internet	5.0% Housholds without TV
---------------------------------------	--	---	-------------------------------------



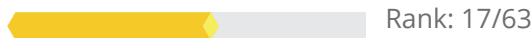
Economic Constraints



48.6 Economic Dependency Ratio
5.5% Poverty



Gender Inequality

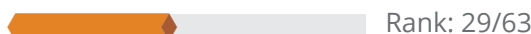


0.12 Income Inequality*
0.4 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



0.6% Average Annual Population Change	3.8% Average Annual Urban Population Change	3.5% Net Migration Rate
---	---	-----------------------------------



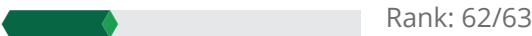
COPING CAPACITY (CC)

RANK: 29 / 63 PROVINCES
SCORE: 0.484

Ninh Binh exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



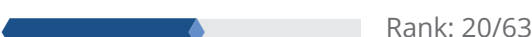
Rank: 62/63

7.03	3,960	24.65	4.94	7.7
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

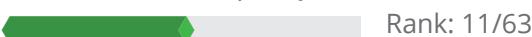


Rank: 20/63

6.13	6.1	6.09
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

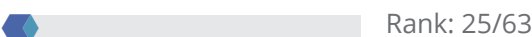


Rank: 11/63

20.6%
Protected Area



Infrastructure Capacity



Rank: 25/63



Health Care Capacity

Rank: 22/63

97.4%	30.72	6.79	12.82	9.2
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 33/63

2,356	31.36
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 44/63

81.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 32 / 63 PROVINCES
SCORE: 0.523

Ninh Binh's score and ranking are due to high Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Economic Capacity



Governance



MULTI-HAZARD RISK

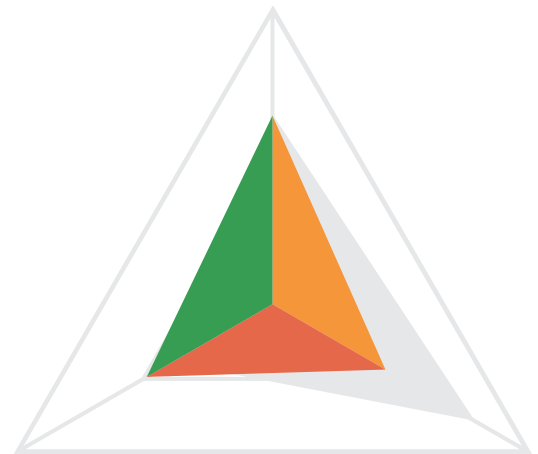
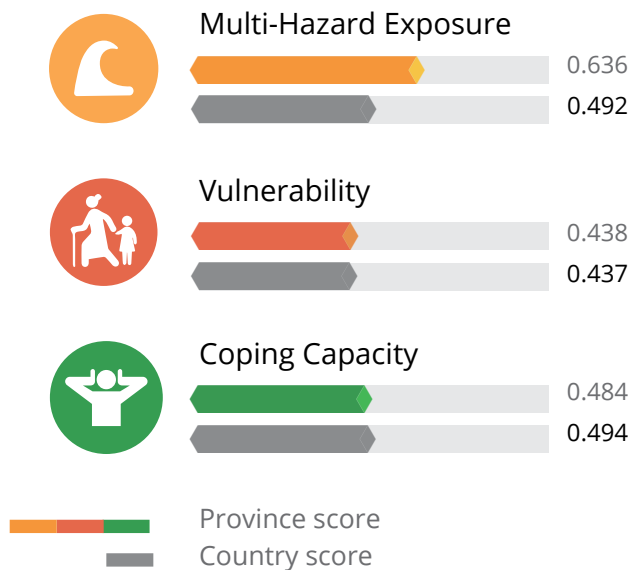
15 / 63

Rank within provinces
Score: 0.53



Ninh Binh's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

NINH THUAN

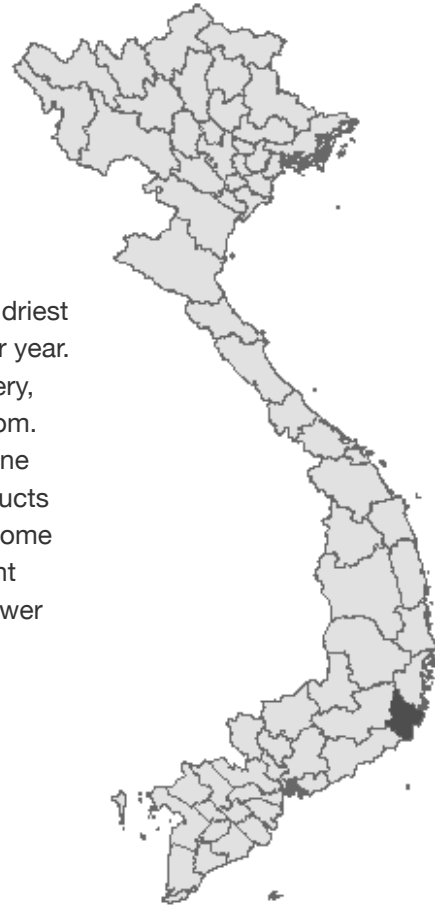
NDPBA PROVINCE PROFILE

VIỆT NAM NINH THUAN

CAPITAL: PHAN RANG-THÁP CHÀM

Area: 3,531 km²

Located in the South Central Coast, Ninh Thuan is known as the driest province in Viet Nam with average rainfall of only 700-800mm per year. The province is a well-know tourist destination with natural scenery, beautiful beaches, and historical relics of Champa ancient kingdom. Ninh Thuan is the home of Cham and Raglay ethnic culture. As one of the poorest and least industrialized provinces, prominent products of Ninh Thuan include grape fruits, salt production, fishing, and some manufacturing. The province's agriculture is vulnerable to frequent drought, but Ninh Thuan has high potential for solar and wind power generation.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.41 • Rank: 52/63



RESILIENCE (R) - low
Score: 0.51 • Rank: 42/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.249 • Rank: 58/63



VULNERABILITY (V) - high
Score: 0.454 • Rank: 21/63



COPING CAPACITY (CC) - moderate
Score: 0.474 • Rank: 37/63



Population (2017)
602,115



Population in Poverty
8.2%



Illiterate population
2.2%



Access to improved water
92.4%



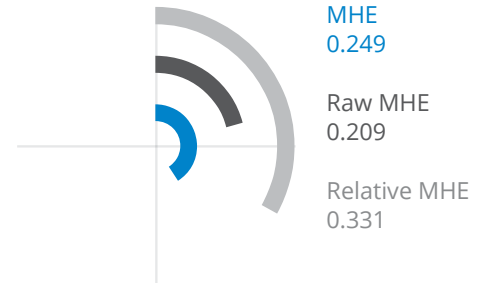
Average life expectancy
72.60 years

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

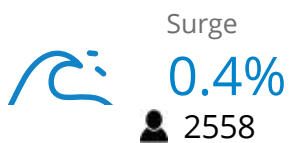
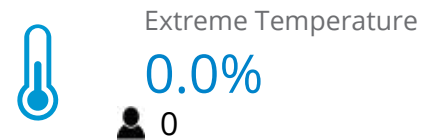
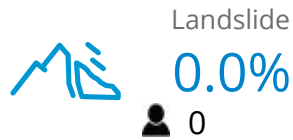


MULTI-HAZARD EXPOSURE

RANK: 58 / 63 PROVINCES
SCORE: 0.249



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





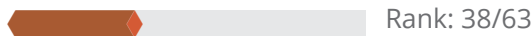
VULNERABILITY (V)

RANK: 21 / 63 PROVINCES
SCORE: 0.454

Vulnerability in Ninh Thuan is primarily driven by Gender Inequality and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



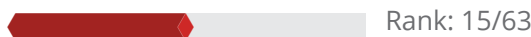
Environmental Stress



-0.2% Forest Change
22.49 Livestock Density (per sq km)



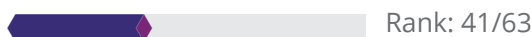
Vulnerable Health Status



72.6 Life Expectancy (years)
16.4 Infant Mortality Rate (per 1,000 live births)
6.6% Acute Malnutrition (Children <5)
1193.2 Tuberculosis Incidence (per 100,000 persons)
182.88 Malaria Prevalance (per 100,000 persons)
57.3 HIV Prevalance (per 100,000 persons)



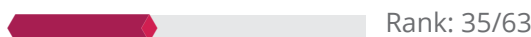
Clean Water Vulnerability



92.4% Households with Safe Water Access
81.2% Households with Hygienic Toilet Access



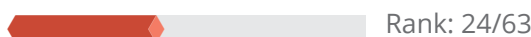
Information Access Vulnerability



2.2% Adult Illiteracy Rate
82.6% School Attendance Rate
86.0% Households without Internet
4.0% Housholds without TV



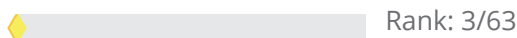
Economic Constraints



47.7 Economic Dependency Ratio
8.2% Poverty



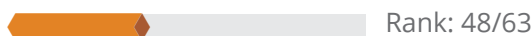
Gender Inequality



0.18 Income Inequality*
0.54 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
2.9% Average Annual Urban Population Change
0.8% Net Migration Rate



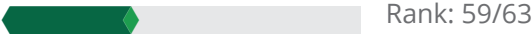
COPING CAPACITY (CC)

RANK: 37 / 63 PROVINCES
SCORE: 0.474

Ninh Thuan exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



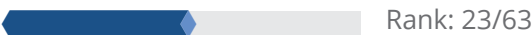
Rank: 59/63

7.1	3,635	22.84	6	7.84
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

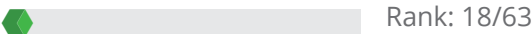


Rank: 23/63

6.01	5.16	6.44
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

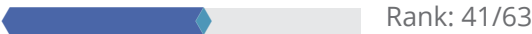


Rank: 18/63

15.2%
Protected Area



Infrastructure Capacity



Rank: 41/63



Health Care Capacity

Rank: 28/63

97.1%	29.56	6.61	13.53	15.15
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 37/63

1,615	24.54
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 49/63

79.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 42 / 63 PROVINCES
SCORE: 0.51

Ninh Thuan's score and ranking are due to high Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Vulnerable Health Status



Economic Capacity



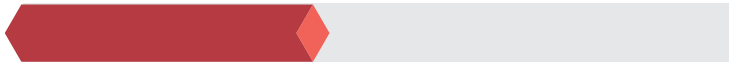
Governance



MULTI-HAZARD RISK

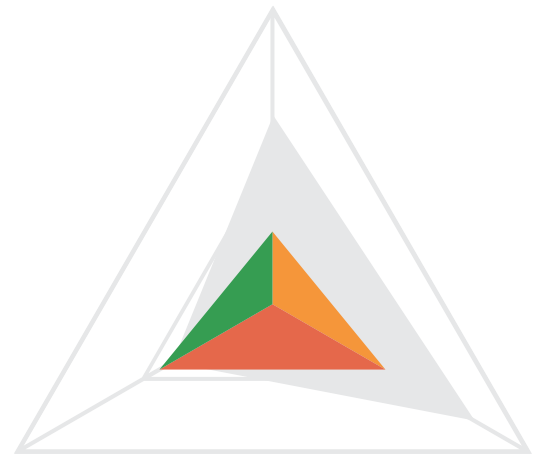
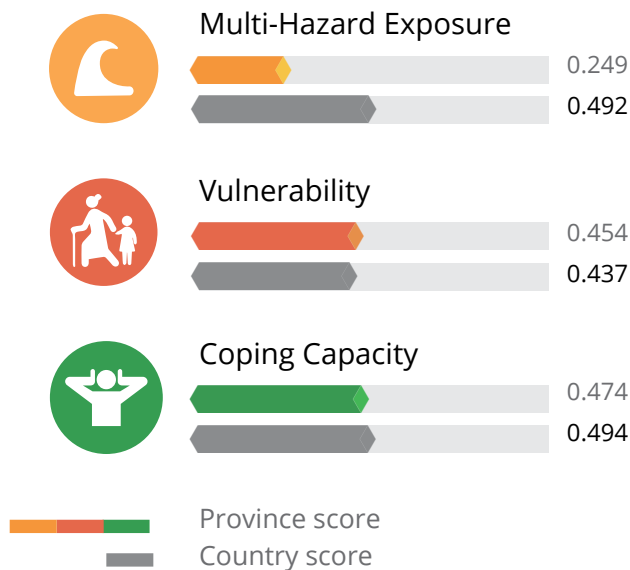
52 / 63

Rank within provinces
Score: 0.41



Ninh Thuan's score and ranking are due to very low Multi-hazard exposure combined with high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

PHU THO

NDPBA PROVINCE PROFILE

VIỆT NAM PHU THO

CAPITAL: VIỆT TRÌ

Area: 4,091 km²

Neighboring Hanoi Capital to the northwest, Phu Tho is a midlands province linking the Red River Delta with Viet Nam's northern mountainous provinces. Lying at the confluence of the Red and Da river, the province is known as the capital of the ancient Van Lang kingdom of Viet people with Hung Kings temple complex now a national historical location. Phu Tho's economic activities include agroforestry, agriculture (with tea as main product) and certain mining and industrial manufacturing.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.463 • Rank: 38/63



RESILIENCE (R) - moderate
Score: 0.519 • Rank: 33/63



MULTI-HAZARD EXPOSURE - low
Score: 0.428 • Rank: 43/63



VULNERABILITY (V) - moderate
Score: 0.436 • Rank: 28/63



COPING CAPACITY (CC) - moderate
Score: 0.474 • Rank: 38/63



Population (2017)
1,408,176



Population in Poverty
8.0%



Illiterate population
6.8%



Access to improved water
90.2%



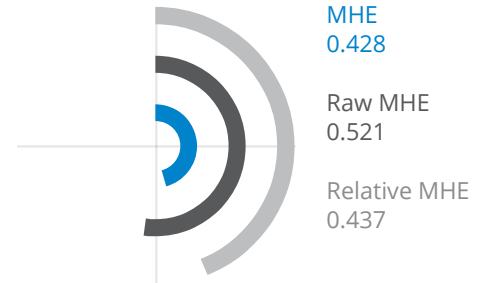
Average life expectancy
73.10 years

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

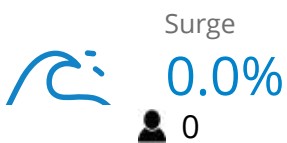
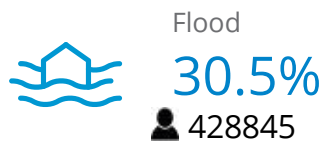
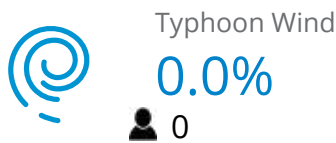


MULTI-HAZARD EXPOSURE

RANK: 43 / 63 PROVINCES
SCORE: 0.428



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





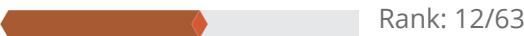
VULNERABILITY (V)

RANK: 28 / 63 PROVINCES
SCORE: 0.436

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



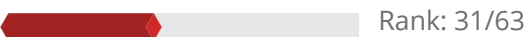
Environmental Stress



0.0% Forest Change
89.27 Livestock Density (per sq km)



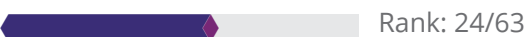
Vulnerable Health Status



73.1 Life Expectancy (years)
15.1 Infant Mortality Rate (per 1,000 live births)
6.4% Acute Malnutrition (Children <5)
37.3 Tuberculosis Incidence (per 100,000 persons)
51.1 Malaria Prevalance (per 100,000 persons)
226.5 HIV Prevalance (per 100,000 persons)



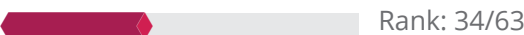
Clean Water Vulnerability



90.2% Households with Safe Water Access
54.7% Households with Hygienic Toilet Access



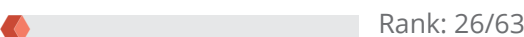
Information Access Vulnerability



6.8% Adult Illiteracy Rate
95.3% School Attendance Rate
87.0% Households without Internet
5.0% Housholds without TV



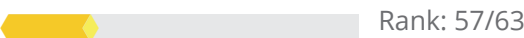
Economic Constraints



46.7 Economic Dependency Ratio
8.0% Poverty



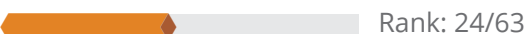
Gender Inequality



0.04 Income Inequality*
0.21 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.6% Average Annual Population Change
3.0% Average Annual Urban Population Change
7.9% Net Migration Rate



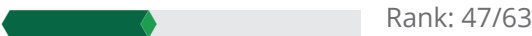
COPING CAPACITY (CC)

RANK: 38 / 63 PROVINCES
SCORE: 0.474

Phu Tho exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

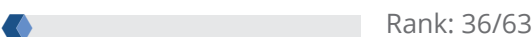


6.14	3,858	14.8	6.62	8.03
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



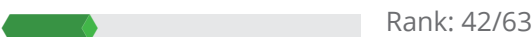
Governance



6.28	5.22	5.95
Law and Order*	Informal Charges*	Transparency*



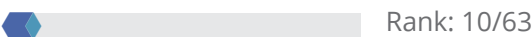
Environmental Capacity



4.2%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 6/63

99.5%	40.61	8.3	11.67	7.39
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 40/63

2,280	49.07
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 31/63

84.0%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 33 / 63 PROVINCES
SCORE: 0.519

Phu Tho's score and ranking are due to moderate Vulnerability combined with moderate Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Environmental
Stress



Economic Capacity



Governance



MULTI-HAZARD RISK

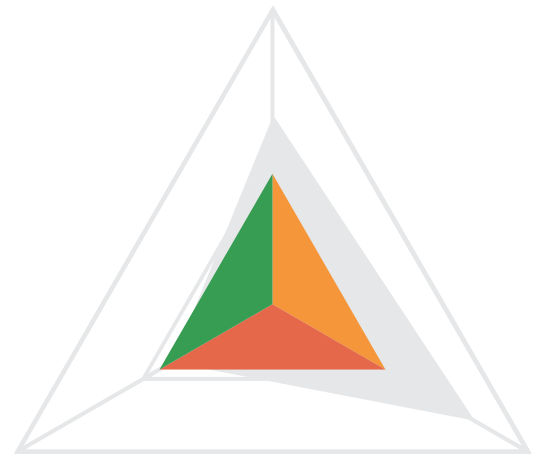
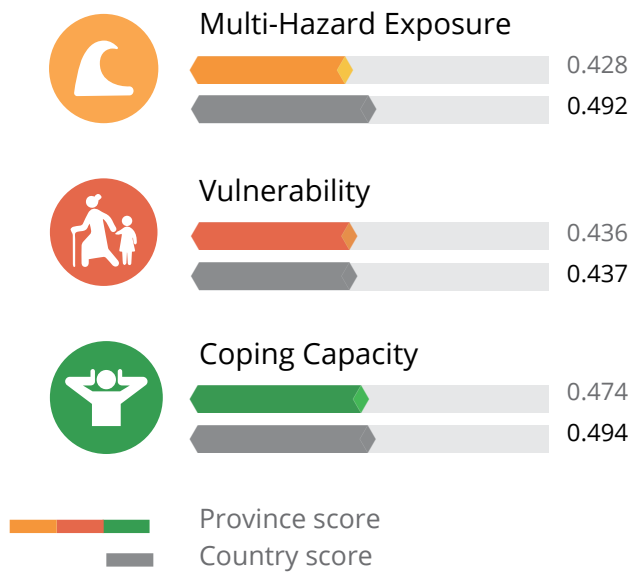
38 / 63

Rank within provinces
Score: 0.463



Phu Tho's score and ranking are due to low Multi-hazard exposure combined with moderate Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

PHU YEN

NDPBA PROVINCE PROFILE

VIỆT NAM PHU YEN

CAPITAL: TUY HÒA

Area: 5,298 km²

Phu Yen is the eastern-most province of Viet Nam’s mainland. Characterized by mixed topography, mostly covered by mountains or hills in the west and a delta near coastal areas, the province has limited land for cultivation. Phu Yen is home to 30 ethnic groups including Cham, E De, Ba Na, Hre, Hoa, M’Nông, and Raglai people. Provincial economic activities are forestry, agriculture, fishing, and small industrial sector. The province is also known for having high tourism potential with many beautiful landscapes.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.537 • Rank: 12/63



RESILIENCE (R) - low
Score: 0.513 • Rank: 39/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.638 • Rank: 13/63



VULNERABILITY (V) - moderate
Score: 0.408 • Rank: 38/63



COPING CAPACITY (CC) - low
Score: 0.434 • Rank: 48/63



Population (2017)
918,332



Population in Poverty
9.3%



Illiterate population
2.9%



Access to improved water
93.0%



Average life expectancy
73.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 13 / 63 PROVINCES
SCORE: 0.638

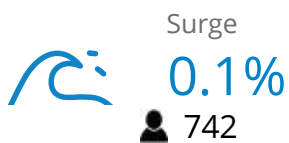
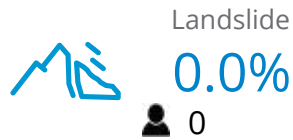
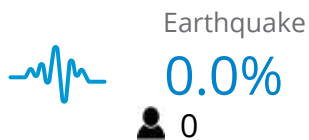


MHE
0.638

Raw MHE
0.493

Relative MHE
0.706

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





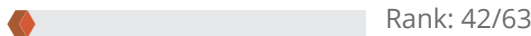
VULNERABILITY (V)

RANK: 38 / 63 PROVINCES
SCORE: 0.408

Vulnerability in Phu Yen is primarily driven by Population Pressures and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



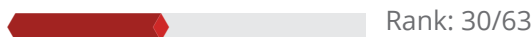
Environmental Stress



2.2% Forest Change
28.67 Livestock Density (per sq km)



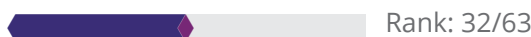
Vulnerable Health Status



73.1 Life Expectancy (years)
15.2 Infant Mortality Rate (per 1,000 live births)
7.6% Acute Malnutrition (Children <5)
47.9 Tuberculosis Incidence (per 100,000 persons)
135.22 Malaria Prevalance (per 100,000 persons)
22.6 HIV Prevalance (per 100,000 persons)



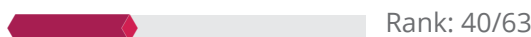
Clean Water Vulnerability



93.0% Households with Safe Water Access
62.9% Households with Hygienic Toilet Access



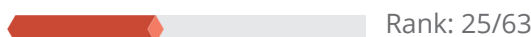
Information Access Vulnerability



2.9% Adult Illiteracy Rate
93.4% School Attendance Rate
85.0% Households without Internet
5.0% Housholds without TV



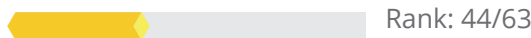
Economic Constraints



46.4 Economic Dependency Ratio
9.3% Poverty



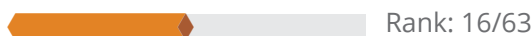
Gender Inequality



0.03 Income Inequality*
0.36 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
4.9% Average Annual Urban Population Change
3.4% Net Migration Rate



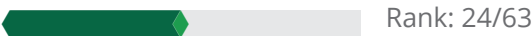
COPING CAPACITY (CC)

RANK: 48 / 63 PROVINCES
SCORE: 0.434

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



Economic Capacity



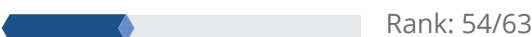
Rank: 24/63

6.3	4,295	25.41	6.61	8.05
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

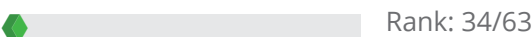


Rank: 54/63

5.15	5.31	5.89
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

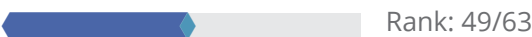


Rank: 34/63

6.6%
Protected Area



Infrastructure Capacity



Rank: 49/63



Health Care Capacity

Rank: 44/63

98.1%	23.79	5.14	11.75	17.01
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 48/63

2,238	72.18
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 36/63

83.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 39 / 63 PROVINCES
SCORE: 0.513

Phu Yen's score and ranking are due to moderate Vulnerability combined with low Coping Capacity scores.

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



Population Pressures



Clean Water Access Vulnerability



Governance



Transportation Capacity



MULTI-HAZARD RISK

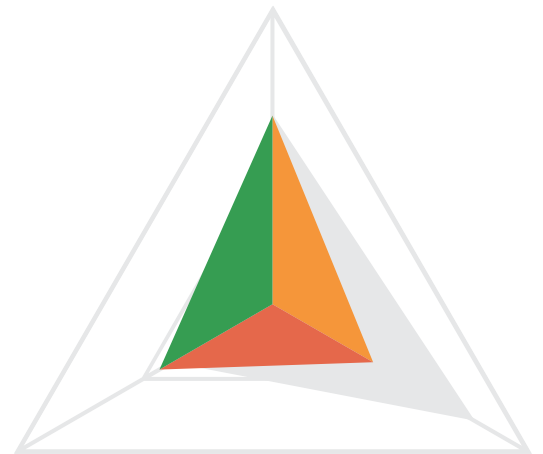
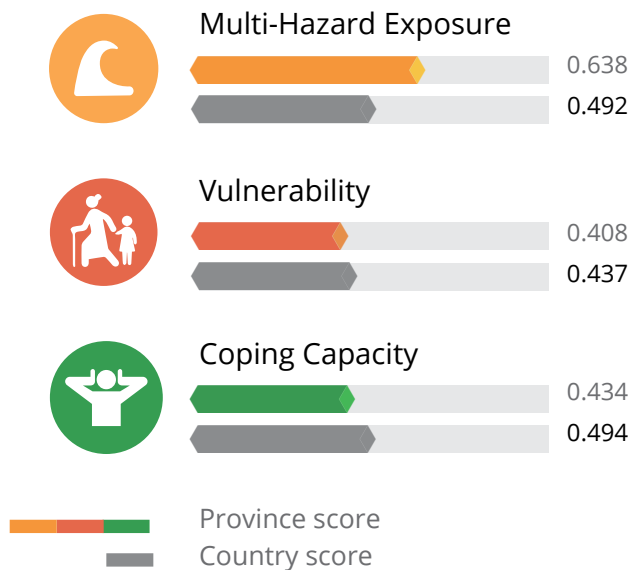
12 / 63

Rank within provinces
Score: 0.537



Phu Yen's score and ranking are due to very high Multi-hazard exposure combined with moderate Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

QUANG BINH

NDPBA PROVINCE PROFILE

VIỆT NAM

QUANG BINH

CAPITAL: ĐỒNG HỚI

Area: 8,813 km²

Quang Binh is a coastal province located in the upper middle portion of Viet Nam, sharing a border with Laos to the west. The province's topography is quite narrow, steep and mainly mountainous making Quang Binh one of the poorest provinces in Viet Nam. Quang Binh's economy is based on agriculture, fishery, and small sector business. Endowed with many natural landscapes and biodiversity, the province's tourism sector is growing fast with Phong Nha Ke Bang National Park a newly recognized UNESCO world heritage site.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.534 • Rank: 13/63



RESILIENCE (R) - very low
Score: 0.481 • Rank: 50/63



MULTI-HAZARD EXPOSURE - high
Score: 0.565 • Rank: 26/63



VULNERABILITY (V) - high
Score: 0.453 • Rank: 22/63



COPING CAPACITY (CC) - very low
Score: 0.414 • Rank: 57/63



Population (2017)
893,753



Population in Poverty
12.5%



Illiterate population
5.2%



Access to improved water
89.1%



Average life expectancy
72.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 26 / 63 PROVINCES
SCORE: 0.565

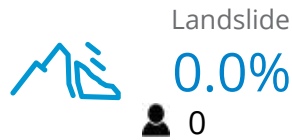
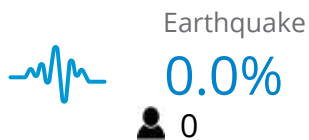
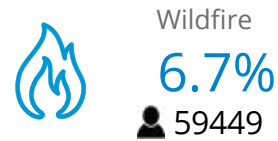
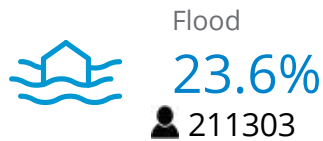
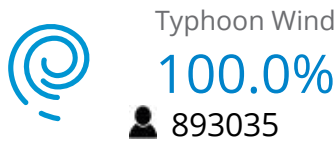


MHE
0.565

Raw MHE
0.492

Relative MHE
0.729

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





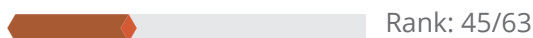
VULNERABILITY (V)

RANK: 22 / 63 PROVINCES
SCORE: 0.453

Vulnerability in Quang Binh is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



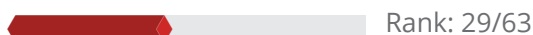
Environmental Stress



0.9% Forest Change
21.88 Livestock Density (per sq km)



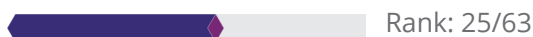
Vulnerable Health Status



72.4 Life Expectancy (years)
17 Infant Mortality Rate (per 1,000 live births)
6.5% Acute Malnutrition (Children <5)
50.1 Tuberculosis Incidence (per 100,000 persons)
107.22 Malaria Prevalance (per 100,000 persons)
35.3 HIV Prevalance (per 100,000 persons)



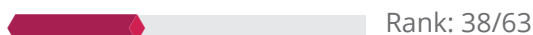
Clean Water Vulnerability



89.1% Households with Safe Water Access
57.1% Households with Hygienic Toilet Access



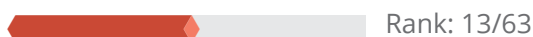
Information Access Vulnerability



5.2% Adult Illiteracy Rate
97.2% School Attendance Rate
86.0% Households without Internet
6.0% Housholds without TV



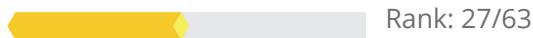
Economic Constraints



49.6 Economic Dependency Ratio
12.5% Poverty



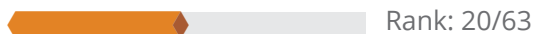
Gender Inequality



0.17 Income Inequality*
0.24 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
4.9% Average Annual Urban Population Change
3.8% Net Migration Rate



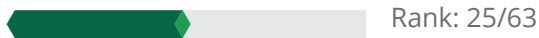
COPING CAPACITY (CC)

RANK: 57 / 63 PROVINCES
SCORE: 0.414

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



Economic Capacity

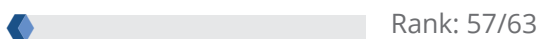


6.18	4,477	20.79	6.45	8.17
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



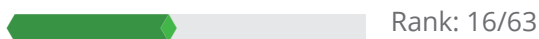
Governance



5.63	5.16	5.67
Law and Order*	Informal Charges*	Transparency*



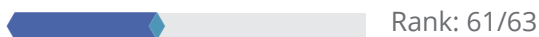
Environmental Capacity



15.7%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 62/63

86.3%	22.93	5.22	10.87	25.21
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 39/63

2,404	52.04
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 47/63

79.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 50 / 63 PROVINCES
SCORE: 0.481

Quang Binh's score and ranking are due to high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Health Care Capacity



Governance



MULTI-HAZARD RISK

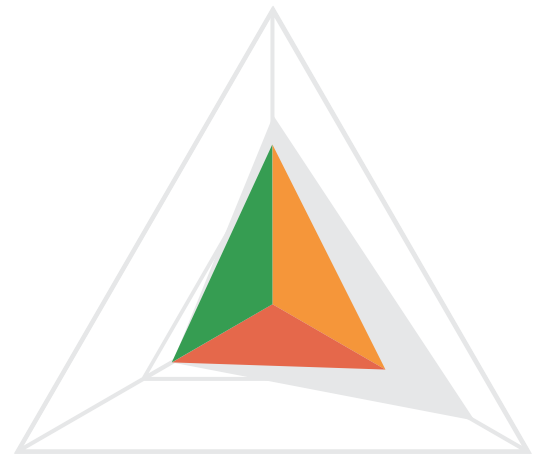
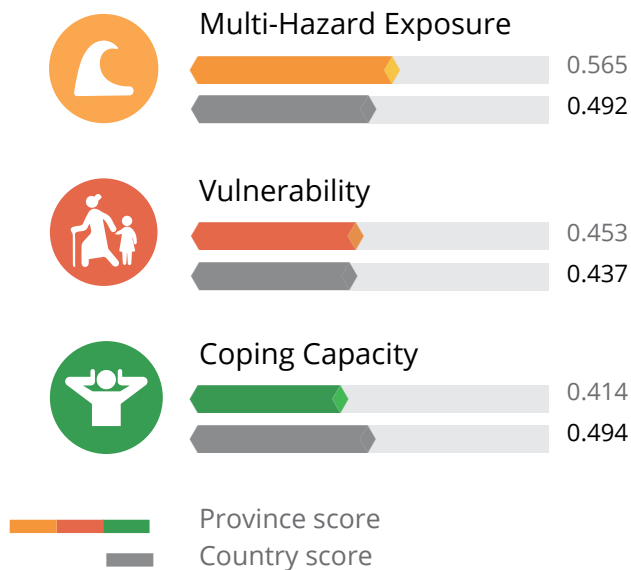
13 / 63

Rank within provinces
Score: 0.534



Quang Binh's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

QUANG NAM

NDPBA PROVINCE PROFILE

VIỆT NAM

QUANG NAM

CAPITAL: TAM KỲ

Area: 11,391 km²

Quang Nam is located in the middle of Central Viet Nam, bordering Laos to the west and facing the East Sea in the East. The province has forested mountains and hills covering 72 percent of its surface along with rivers running from the Truong Son Range to the sea. Quang Nam known for natural scenery, beaches and historical and cultural sites including two UNESCO World Heritage Sites: the ancient town of Hoi An and the My Son temple. Besides the tourism, province's economy is growing rapidly with a focus on hydropower and industry sectors, especially the Chu Lai Economic Zone.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.511 • Rank: 22/63



RESILIENCE (R) - high
Score: 0.551 • Rank: 23/63



MULTI-HAZARD EXPOSURE - high
Score: 0.636 • Rank: 15/63



VULNERABILITY (V) - moderate
Score: 0.428 • Rank: 31/63



COPING CAPACITY (CC) - high
Score: 0.53 • Rank: 18/63



Population (2017)
1,501,998



Population in Poverty
10.6%



Illiterate population
6.3%



Access to improved water
86.1%



Average life expectancy
72.50 years

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



MULTI-HAZARD EXPOSURE

RANK: 15 / 63 PROVINCES
SCORE: 0.636

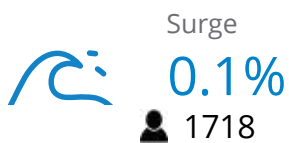
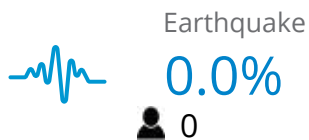
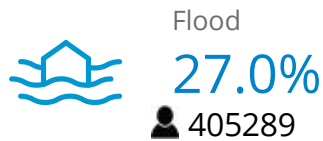


MHE
0.636

Raw MHE
0.653

Relative MHE
0.736

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





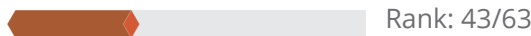
VULNERABILITY (V)

RANK: 31 / 63 PROVINCES
SCORE: 0.428

Vulnerability in Quang Nam is primarily driven by Gender Inequality and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



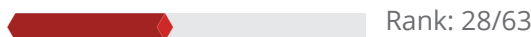
Environmental Stress



1.6% Forest Change
26.04 Livestock Density (per sq km)



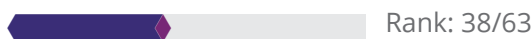
Vulnerable Health Status



72.5 Life Expectancy (years)
16.6 Infant Mortality Rate (per 1,000 live births)
6.8% Acute Malnutrition (Children <5)
63.5 Tuberculosis Incidence (per 100,000 persons)
20.65 Malaria Prevalance (per 100,000 persons)
47.1 HIV Prevalance (per 100,000 persons)



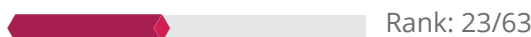
Clean Water Vulnerability



86.1% Households with Safe Water Access
82.5% Households with Hygienic Toilet Access



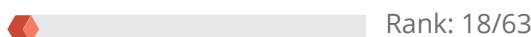
Information Access Vulnerability



6.3% Adult Illiteracy Rate
98.7% School Attendance Rate
88.0% Households without Internet
10.0% Housholds without TV



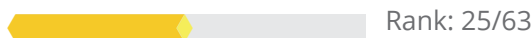
Economic Constraints



47.7 Economic Dependency Ratio
10.6% Poverty



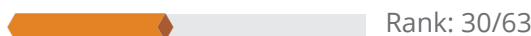
Gender Inequality



0.14 Income Inequality*
0.3 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
4.9% Average Annual Urban Population Change
1.6% Net Migration Rate



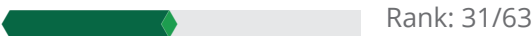
COPING CAPACITY (CC)

RANK: 18 / 63 PROVINCES
SCORE: 0.53

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



Economic Capacity

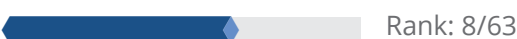


6.71	4,156	21.33	6.44	8.2
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



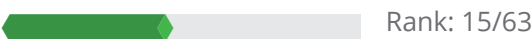
Governance



6.99	5.53	6.8
Law and Order*	Informal Charges*	Transparency*



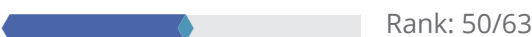
Environmental Capacity



16.1%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 58/63

98.0%	29.37	5.12	10.78	39.12
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 13/63

8,683	66.39
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 51/63

77.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 23 / 63 PROVINCES
SCORE: 0.551

Quang Nam's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Economic Constraints



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

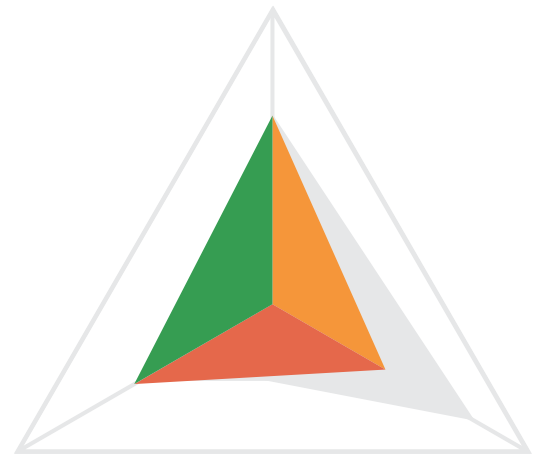
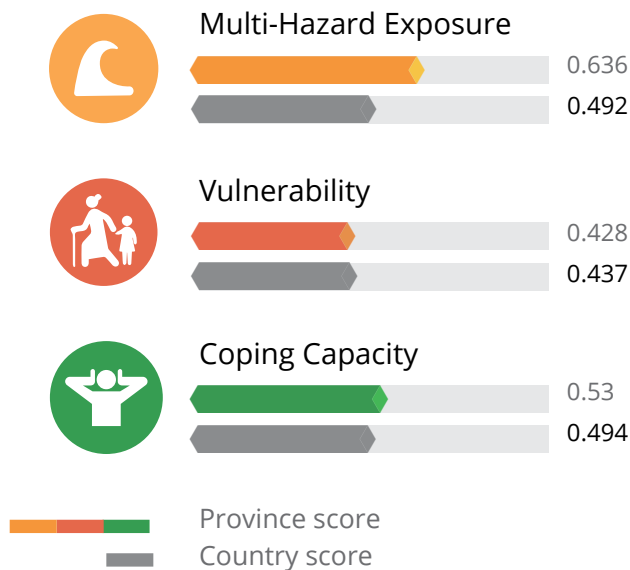
22 / 63

Rank within provinces
Score: 0.511



Quang Nam's score and ranking are due to high Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

QUANG NGAI

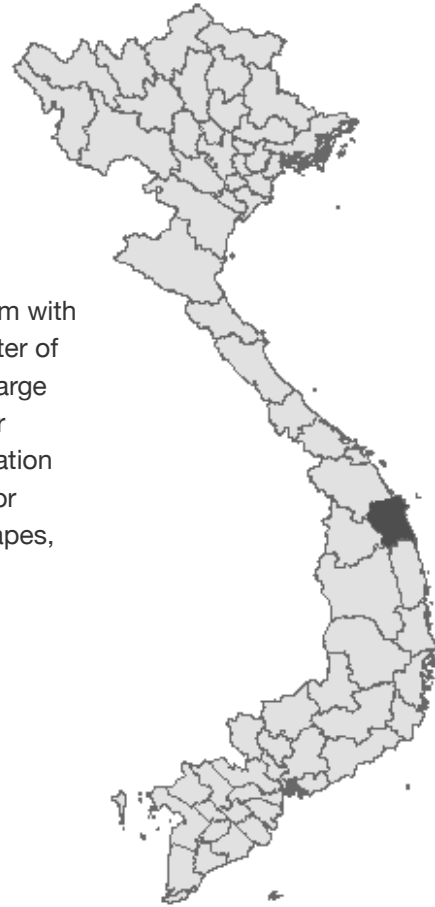
NDPBA PROVINCE PROFILE

VIỆT NAM QUANG NGAI

CAPITAL: QUẢNG NGÃI

Area: 5,540 km²

Quang Ngai is located in South Central Coastal region of Viet Nam with terrain dominated by a large plain along the coast and in the center of the province and by mountains and hills in the west. Despite its large agriculture area, Quang Ngai industry is more effective than other economic activities with the largest Viet Nam's refinery is in operation in Dung Quat Economic Zone. The province is also well-known for the vestiges from ancient Sa Huynh culture and beautiful landscapes, especially My Khe beach and Ly Son island.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.544 • Rank: 10/63



RESILIENCE (R) - low
Score: 0.498 • Rank: 45/63



MULTI-HAZARD EXPOSURE - high
Score: 0.628 • Rank: 17/63



VULNERABILITY (V) - high
Score: 0.451 • Rank: 24/63



COPING CAPACITY (CC) - low
Score: 0.446 • Rank: 45/63



Population (2017)
1,242,810



Population in Poverty
11.0%



Illiterate population
3.2%



Access to improved water
86.5%



Average life expectancy
72.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 17 / 63 PROVINCES
SCORE: 0.628

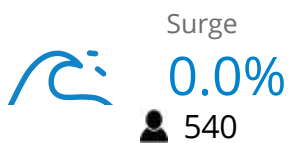
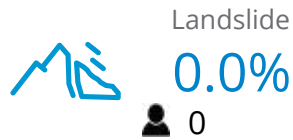
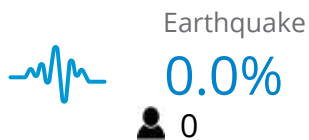


MHE
0.628

Raw MHE
0.584

Relative MHE
0.702

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





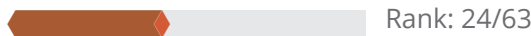
VULNERABILITY (V)

RANK: 24 / 63 PROVINCES
SCORE: 0.451

Vulnerability in Quang Ngai is primarily driven by Gender Inequality and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



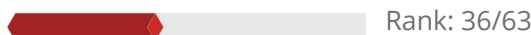
Environmental Stress



4.8% Forest Change
65.43 Livestock Density (per sq km)



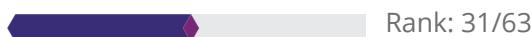
Vulnerable Health Status



72 Life Expectancy (years)
17.9 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
43.4 Tuberculosis Incidence (per 100,000 persons)
7.98 Malaria Prevalance (per 100,000 persons)
54.7 HIV Prevalance (per 100,000 persons)



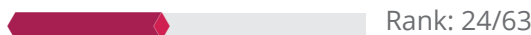
Clean Water Vulnerability



86.5% Households with Safe Water Access
70.4% Households with Hygienic Toilet Access



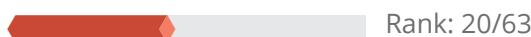
Information Access Vulnerability



3.2% Adult Illiteracy Rate
94.2% School Attendance Rate
90.0% Households without Internet
9.0% Housholds without TV



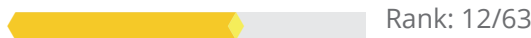
Economic Constraints



46.7 Economic Dependency Ratio
11.0% Poverty



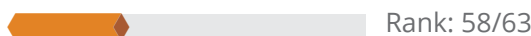
Gender Inequality



0.21 Income Inequality*
0.33 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
2.0% Average Annual Urban Population Change
2.0% Net Migration Rate



COPING CAPACITY (CC)

RANK: 45 / 63 PROVINCES
SCORE: 0.446

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



Economic Capacity

Rank: 35/63

6.19	3,910	28.62	6.74	7.67
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

Rank: 18/63

6.38	5.59	6.7
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

Rank: 54/63

0.3%
Protected Area



Infrastructure Capacity

Rank: 58/63



Health Care Capacity

Rank: 49/63

98.9%	22.42	5.06	12.07	23.88
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 46/63

5,027	107.36
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 56/63

73.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 45 / 63 PROVINCES
SCORE: 0.498

Quang Ngai's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Gender Inequality



Clean Water Access Vulnerability



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

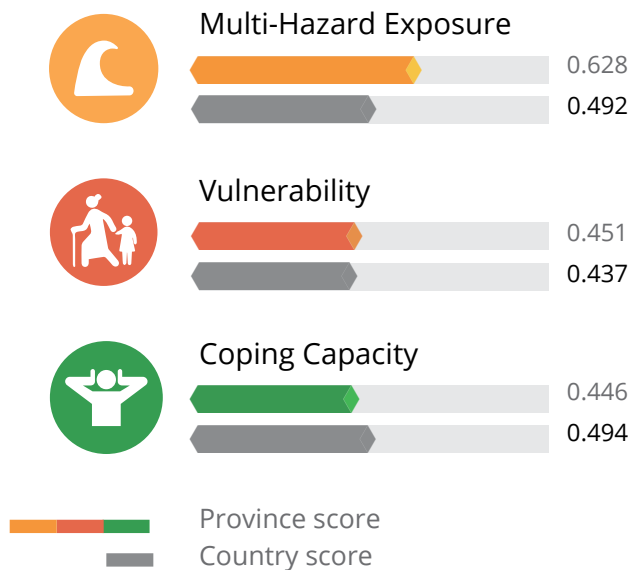
10 / 63

Rank within provinces
Score: 0.544



Quang Ngai's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

QUANG NINH

NDPBA PROVINCE PROFILE

VIỆT NAM QUANG NINH

CAPITAL: HẠ LONG

Area: 6,789 km²

Quang Ninh is a mountainous province along the northeastern coast of Viet Nam, with more than 2,000 small islands and sharing a border with China to the north. The province has rich natural mineral resources and supplies 90% of coal for the country. Quang Ninh province is also known for being home to Ha Long Bay, a World Heritage Site. As a gateway to China, the province's economy benefits from international trade (Mong Cai Border Gate Economic Zone), tourism and rapid industrial development, especially in the Van Don Exclusive Economic Zone



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.396 • Rank: 56/63



RESILIENCE (R) - very high
Score: 0.647 • Rank: 3/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.482 • Rank: 35/63



VULNERABILITY (V) - very low
Score: 0.367 • Rank: 51/63



COPING CAPACITY (CC) - very high
Score: 0.66 • Rank: 3/63



Population (2017)
1,275,836



Population in Poverty
4.0%



Illiterate population
7.8%



Access to improved water
92.5%



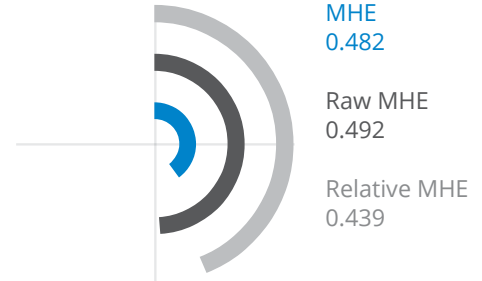
Average life expectancy
73.10 years

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

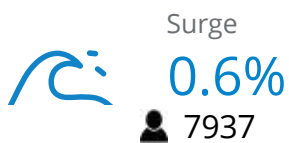
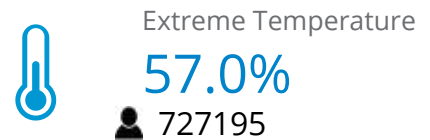
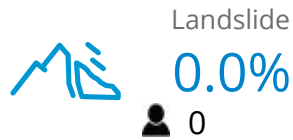
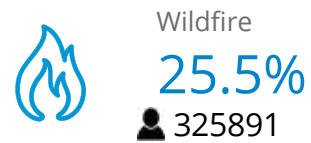
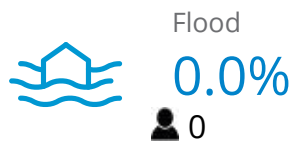


MULTI-HAZARD EXPOSURE

RANK: 35 / 63 PROVINCES
SCORE: 0.482



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





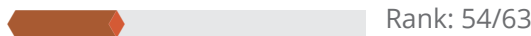
VULNERABILITY (V)

RANK: 51 / 63 PROVINCES
SCORE: 0.367

Vulnerability in Quang Ninh is primarily driven by Population Pressures and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



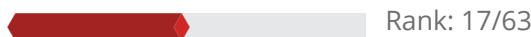
Environmental Stress



3.1% Forest Change
21.32 Livestock Density (per sq km)



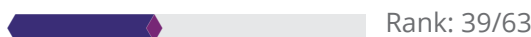
Vulnerable Health Status



73.1 Life Expectancy (years)
15.1 Infant Mortality Rate (per 1,000 live births)
8.8% Acute Malnutrition (Children <5)
42.4 Tuberculosis Incidence (per 100,000 persons)
3.75 Malaria Prevalance (per 100,000 persons)
436.1 HIV Prevalance (per 100,000 persons)



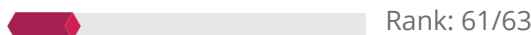
Clean Water Vulnerability



92.5% Households with Safe Water Access
76.8% Households with Hygienic Toilet Access



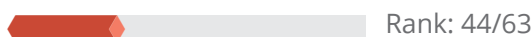
Information Access Vulnerability



7.8% Adult Illiteracy Rate
98.0% School Attendance Rate
73.0% Households without Internet
2.0% Housholds without TV



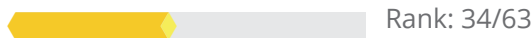
Economic Constraints



45 Economic Dependency Ratio
4.0% Poverty



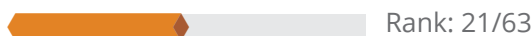
Gender Inequality



0.21 Income Inequality*
0.13 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.1% Average Annual Population Change
4.0% Average Annual Urban Population Change
2.6% Net Migration Rate



COPING CAPACITY (CC)

RANK: 3 / 63 PROVINCES
SCORE: 0.66

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



Economic Capacity



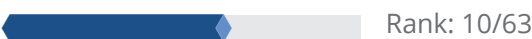
Rank: 3/63

7.73	5,144	44.08	7.52	8.93
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

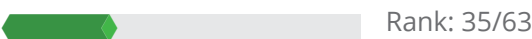


Rank: 10/63

5.63	5.79	6.8
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

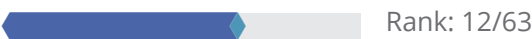


Rank: 35/63

6.6%
Protected Area



Infrastructure Capacity



Rank: 12/63



Health Care Capacity Rank: 24/63

95.6%	40.29	7.68	11.65	14.87
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 19/63

3,548	26.12
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 20/63

87.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 3 / 63 PROVINCES
SCORE: 0.647

Quang Ninh's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Vulnerable Health Status



Health Care Capacity



Governance



MULTI-HAZARD RISK

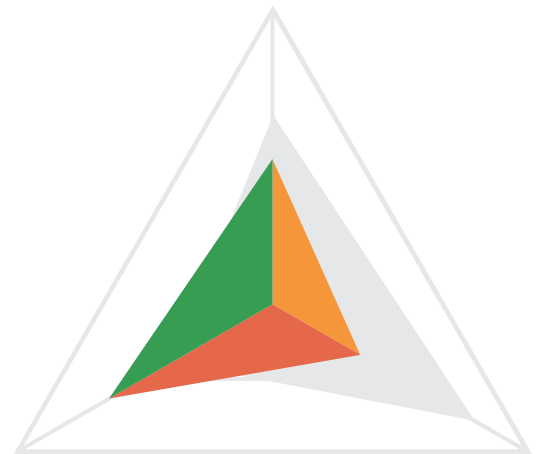
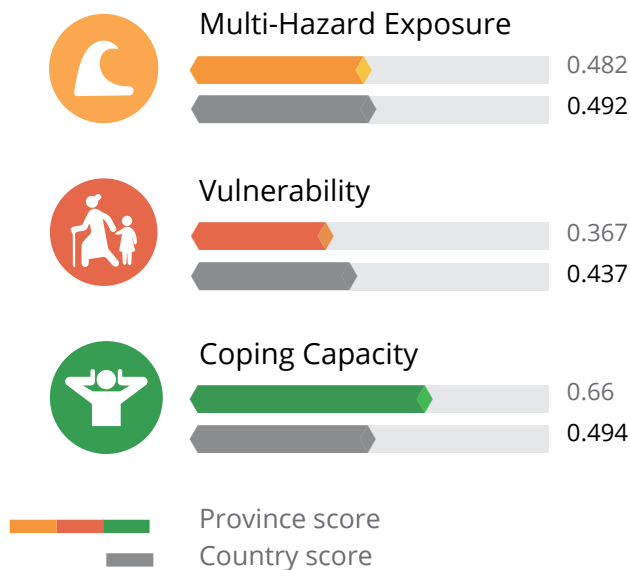
56 / 63

Rank within provinces
Score: 0.396



Quang Ninh's score and ranking are due to moderate Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

QUANG TRI

NDPBA PROVINCE PROFILE

VIỆT NAM QUANG TRI

CAPITAL: ĐÔNG HÀ

Area: 5,061 km²

Quang Tri province is located in the North Central Coast region of Viet Nam, sharing a border with Laos to the west. The province's terrain is dominated by hills and mountains with a narrow coastal plain. One of the poorest provinces in Viet Nam, Quang Tri is affected by hot and dry south-west wind during the southwest monsoon season with frequent typhoons. The province was heavily impacted by the Viet Nam War and a number of the battle-field relics have become tourism attractions.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.478 • Rank: 31/63



RESILIENCE (R) - low
Score: 0.513 • Rank: 41/63



MULTI-HAZARD EXPOSURE - low
Score: 0.46 • Rank: 39/63



VULNERABILITY (V) - high
Score: 0.457 • Rank: 19/63



COPING CAPACITY (CC) - moderate
Score: 0.482 • Rank: 32/63



Population (2017)
678,597



Population in Poverty
10.7%



Illiterate population
11.5%



Access to improved water
87.6%



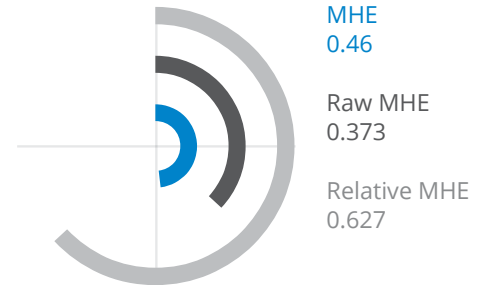
Average life expectancy
67.70 years

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

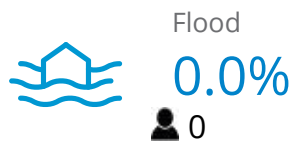


MULTI-HAZARD EXPOSURE

RANK: 39 / 63 PROVINCES
SCORE: 0.46



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

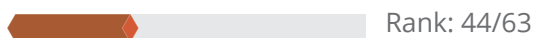
RANK: 19 / 63 PROVINCES

SCORE: 0.457

Vulnerability in Quang Tri is primarily driven by Vulnerable Health Status and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



1.5% Forest Change
24.71 Livestock Density (per sq km)



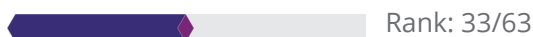
Vulnerable Health Status



67.7 Life Expectancy (years)
31.9 Infant Mortality Rate (per 1,000 live births)
7.0% Acute Malnutrition (Children <5)
43 Tuberculosis Incidence (per 100,000 persons)
81.45 Malaria Prevalance (per 100,000 persons)
29.7 HIV Prevalance (per 100,000 persons)



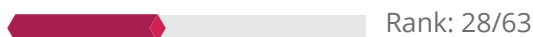
Clean Water Vulnerability



87.6% Households with Safe Water Access
71.4% Households with Hygienic Toilet Access



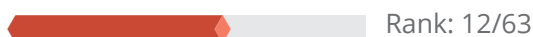
Information Access Vulnerability



11.5% Adult Illiteracy Rate
94.2% School Attendance Rate
81.0% Households without Internet
7.0% Housholds without TV



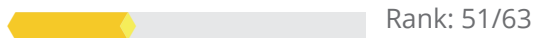
Economic Constraints



57.5 Economic Dependency Ratio
10.7% Poverty



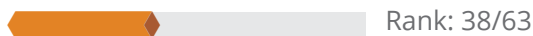
Gender Inequality



0.1 Income Inequality*
0.2 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
1.9% Average Annual Urban Population Change
5.2% Net Migration Rate



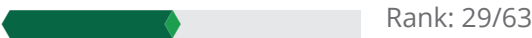
COPING CAPACITY (CC)

RANK: 32 / 63 PROVINCES
SCORE: 0.482

Quang Tri exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

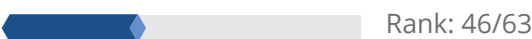


6.31	4,369	32.93	5.83	8.03
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



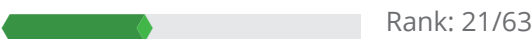
Governance



5.39	4.16	6.59
Law and Order*	Informal Charges*	Transparency*



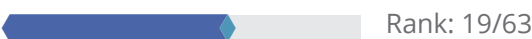
Environmental Capacity



12.1%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 20/63

95.9%	33.4	7.74	17.33	13.99
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 29/63

3,138	42.6
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 38/63

82.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 41 / 63 PROVINCES
SCORE: 0.513

Quang Tri's score and ranking are due to high Vulnerability combined with moderate Coping Capacity scores.

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



Vulnerable Health Status



Economic Constraints



Governance



Economic Capacity



MULTI-HAZARD RISK

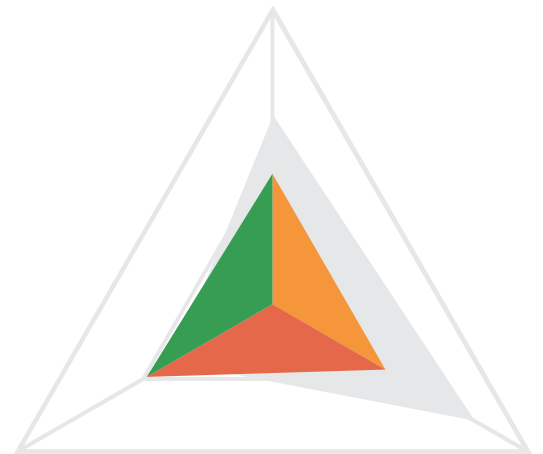
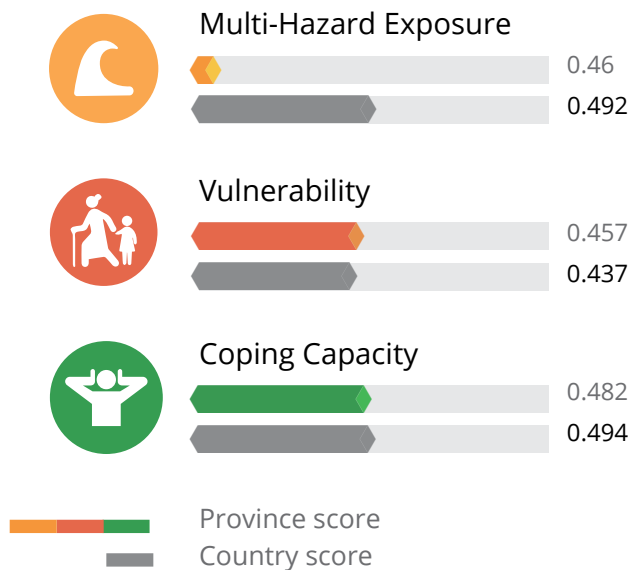
31 / 63

Rank within provinces
Score: 0.478



Quang Tri's score and ranking are due to low Multi-hazard exposure combined with high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

SOC TRANG

NDPBA PROVINCE PROFILE

VIỆT NAM

SOC TRANG

CAPITAL: SÓC TRĂNG

Area: 3,382 km²

Soc Trang is a coastal province in the southeastern part of the Mekong Delta. The province is well-known for the Khmer culture and is the place where most of Khmer minority people live. Soc Trang's economy is based on agriculture (rice, fruit, aquaculture) resulting from its fertile soils, wide rivers network, and small industrial sector. The province still maintains some mangrove forest to reduce vulnerability to salinization and sea level rising.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.489 • Rank: 27/63



RESILIENCE (R) - low
Score: 0.506 • Rank: 43/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.477 • Rank: 36/63



VULNERABILITY (V) - high
Score: 0.473 • Rank: 15/63



COPING CAPACITY (CC) - moderate
Score: 0.484 • Rank: 30/63



Population (2017)
1,367,107



Population in Poverty
12.0%



Illiterate population
22.3%



Access to improved water
94.5%



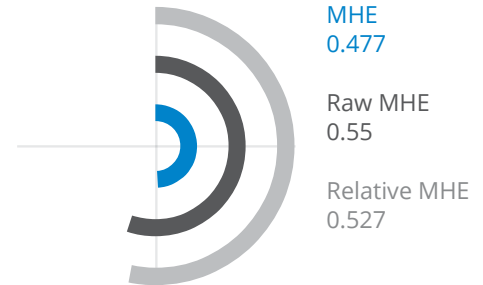
Average life expectancy
73.80 years

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

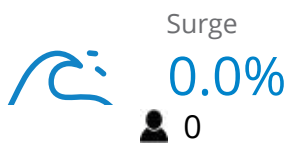
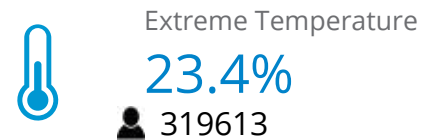
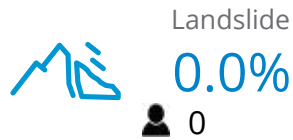
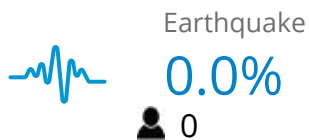
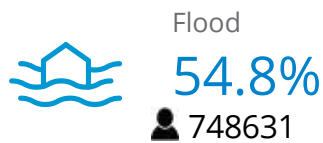


MULTI-HAZARD EXPOSURE

RANK: 36 / 63 PROVINCES
SCORE: 0.477



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

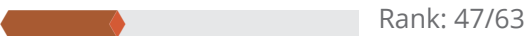
RANK: 15 / 63 PROVINCES

SCORE: 0.473

Vulnerability in Soc Trang is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



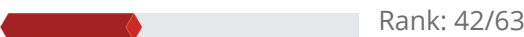
Environmental Stress



3.7% Forest Change
28.08 Livestock Density (per sq km)



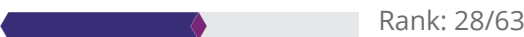
Vulnerable Health Status



73.8 Life Expectancy (years)
13.1 Infant Mortality Rate (per 1,000 live births)
6.0% Acute Malnutrition (Children <5)
82.1 Tuberculosis Incidence (per 100,000 persons)
2.06 Malaria Prevalance (per 100,000 persons)
162.7 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



94.5% Households with Safe Water Access
51.4% Households with Hygienic Toilet Access



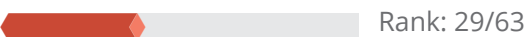
Information Access Vulnerability



22.3% Adult Illiteracy Rate
76.6% School Attendance Rate
89.0% Households without Internet
8.0% Housholds without TV



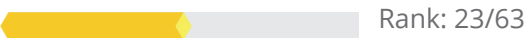
Economic Constraints



41.2 Economic Dependency Ratio
12.0% Poverty



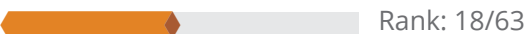
Gender Inequality



0.21 Income Inequality*
0.19 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.4% Average Annual Population Change
7.0% Average Annual Urban Population Change
1.3% Net Migration Rate



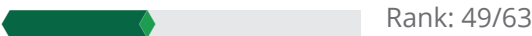
COPING CAPACITY (CC)

RANK: 30 / 63 PROVINCES
SCORE: 0.484

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



Economic Capacity

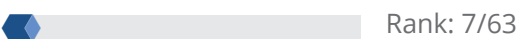


7.83	3,447	36.06	5.54	8.25
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



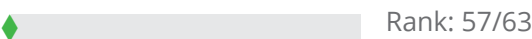
Governance



6.03	6.84	6.28
Law and Order*	Informal Charges*	Transparency*



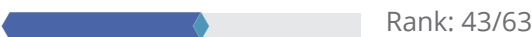
Environmental Capacity



0.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 48/63

98.4%	20.2	4.28	10.05	8.21
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 11/63

3,886	16.54
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 52/63

76.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 43 / 63 PROVINCES
SCORE: 0.506

Soc Trang's score and ranking are due to high Vulnerability combined with moderate Coping Capacity scores.

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



Information Access Vulnerability



Clean Water Access Vulnerability



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

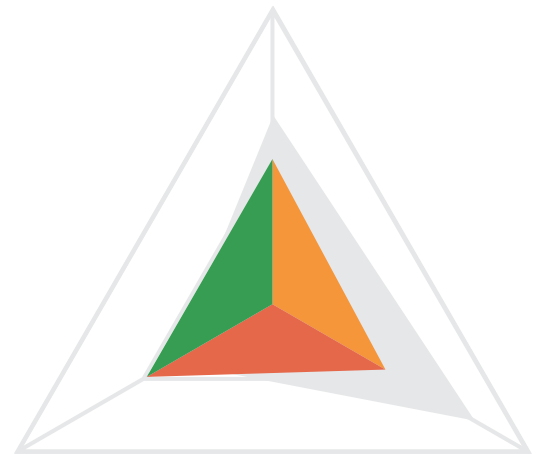
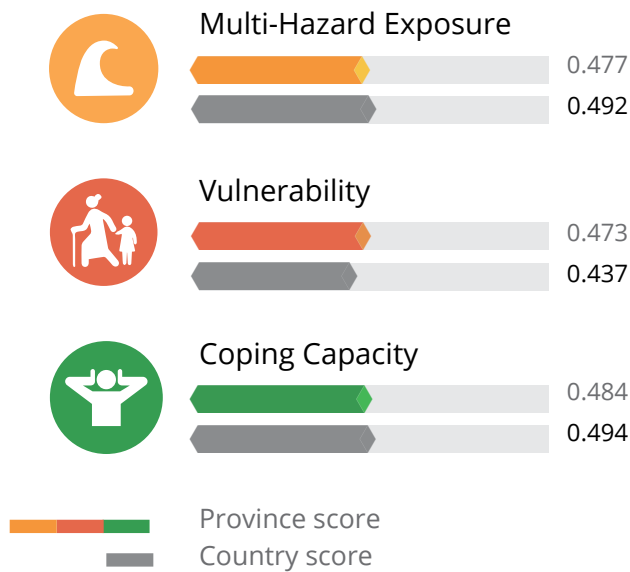
27 / 63

Rank within provinces
Score: 0.489



Soc Trang's score and ranking are due to moderate Multi-hazard exposure combined with high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

SON LA

NDPBA PROVINCE PROFILE

VIỆT NAM SON LA

CAPITAL: SƠN LA

Area: 16,317 km²

Son La is a mountainous province in the Northwestern region of Viet Nam, sharing a border with Laos to the south. Son La is home to 12 ethnic groups dominated by the Black and White Thai ethnic minorities. Son La Highland is most famous for its imposing Moc Chau Plateau, which is an ideal place for milk-cow breeding and tea and fruit planting. The province is also known for its hydropower potential and diverse mineral resources. Sơn La Dam, the largest hydroelectric power station in Southeast Asia is located in this province.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.609 • Rank: 2/63



RESILIENCE (R) - very low
Score: 0.433 • Rank: 56/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.694 • Rank: 7/63



VULNERABILITY (V) - very high
Score: 0.561 • Rank: 8/63



COPING CAPACITY (CC) - very low
Score: 0.428 • Rank: 53/63



Population (2017)
1,250,846



Population in Poverty
22.6%



Illiterate population
6.6%



Access to improved water
36.3%



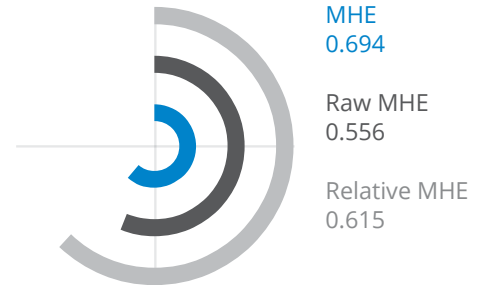
Average life expectancy
70.40 years

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

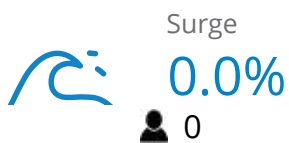
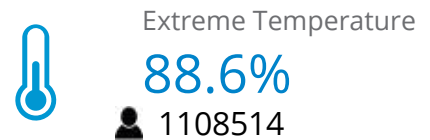
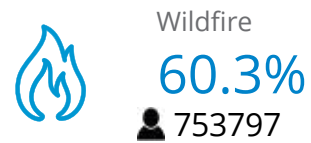
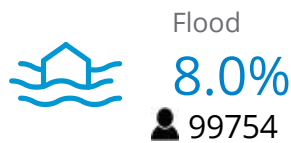
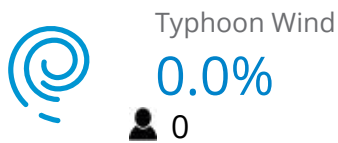


MULTI-HAZARD EXPOSURE

RANK: 7 / 63 PROVINCES
SCORE: 0.694



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





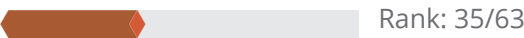
VULNERABILITY (V)

RANK: 8 / 63 PROVINCES
SCORE: 0.561

Vulnerability in Son La is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



-0.8% Forest Change
26.47 Livestock Density (per sq km)



Vulnerable Health Status



70.4 Life Expectancy (years)
22.9 Infant Mortality Rate (per 1,000 live births)
10.3% Acute Malnutrition (Children <5)
16.4 Tuberculosis Incidence (per 100,000 persons)
6.26 Malaria Prevalance (per 100,000 persons)
627.8 HIV Prevalance (per 100,000 persons)



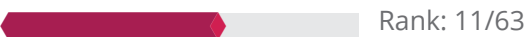
Clean Water Vulnerability



36.3% Households with Safe Water Access
35.4% Households with Hygienic Toilet Access



Information Access Vulnerability



6.6% Adult Illiteracy Rate
87.7% School Attendance Rate
91.0% Households without Internet
16.0% Housholds without TV



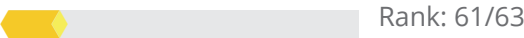
Economic Constraints



54.5 Economic Dependency Ratio
22.6% Poverty



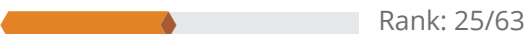
Gender Inequality



0.05 Income Inequality*
0.11 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.7% Average Annual Population Change
2.6% Average Annual Urban Population Change
2.4% Net Migration Rate



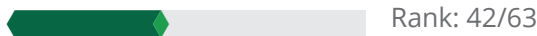
COPING CAPACITY (CC)

RANK: 53 / 63 PROVINCES
SCORE: 0.428

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



Economic Capacity



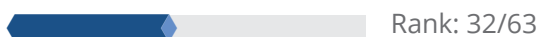
Rank: 42/63

5.89	4,988	12.82	6.43	7.41
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

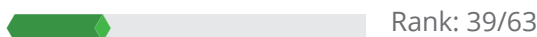


Rank: 32/63

5.94	5.4	6.41
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

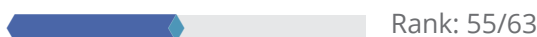


Rank: 39/63

5.1%
Protected Area



Infrastructure Capacity



Rank: 55/63



Health Care Capacity

Rank: 41/63

96.2%	29.96	5.69	12	15.78
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 51/63

1,366	54.1
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 54/63

75.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 56 / 63 PROVINCES
SCORE: 0.433

Son La's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Economic Capacity



Transportation
Capacity



MULTI-HAZARD RISK

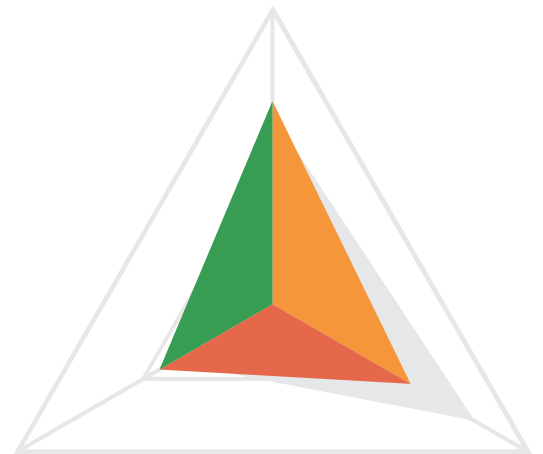
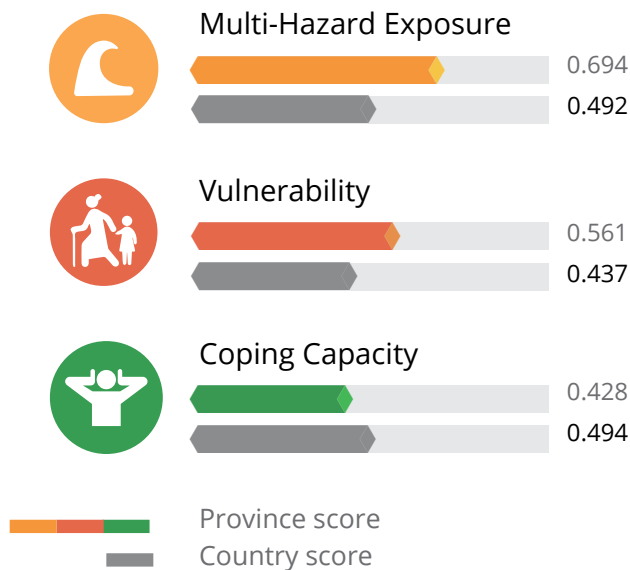
2 / 63

Rank within provinces
Score: 0.609



Son La's score and ranking are due to very high Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

TAY NINH

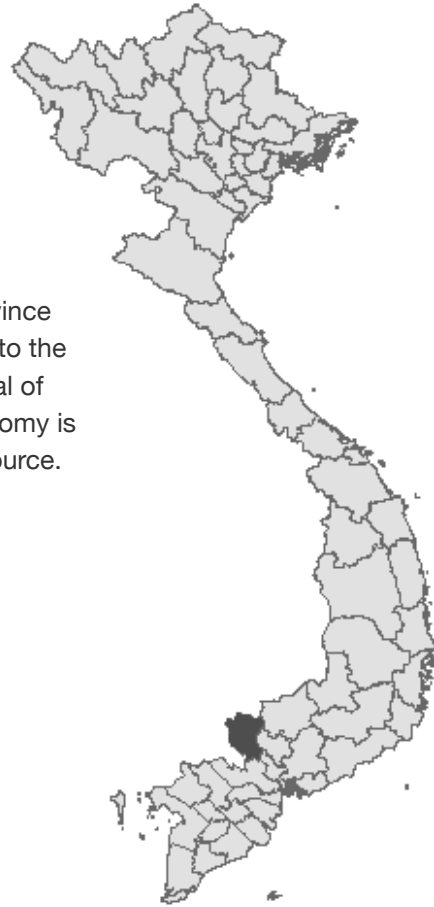
NDPBA PROVINCE PROFILE

VIỆT NAM TÂY NINH

CAPITAL: TÂY NINH

Area: 4,233 km²

Neighboring Ho Chi Minh city to the northeast, Tay Ninh is a province of Viet Nam's southeast region, sharing a border with Cambodia to the north. As a multi-ethnic province, Tay Ninh is known as the capital of the Cao Dai Sect. Beside international trade, the province's economy is based on agriculture and food processing for abundant land resource.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.511 • Rank: 23/63



RESILIENCE (R) - high
Score: 0.583 • Rank: 15/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.7 • Rank: 6/63



VULNERABILITY (V) - very low
Score: 0.347 • Rank: 56/63



COPING CAPACITY (CC) - high
Score: 0.514 • Rank: 20/63



Population (2017)
1,220,556



Population in Poverty
2.1%



Illiterate population
1.6%



Access to improved water
99.2%



Average life expectancy
74.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 6 / 63 PROVINCES
SCORE: 0.7

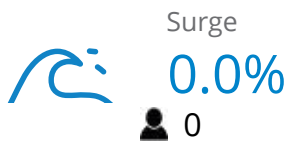
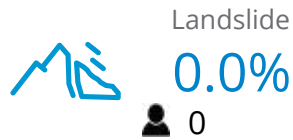
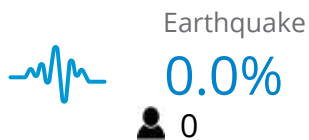
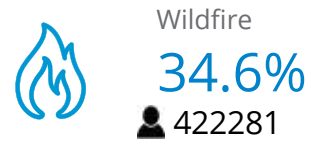
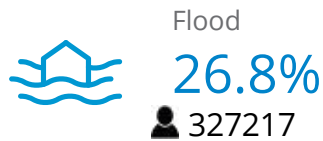


MHE
0.7

Raw MHE
0.591

Relative MHE
0.741

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





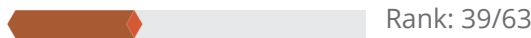
VULNERABILITY (V)

RANK: 56 / 63 PROVINCES
SCORE: 0.347

Vulnerability in Tay Ninh is primarily driven by Population Pressures and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



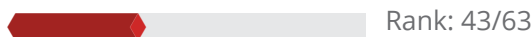
Environmental Stress



2.0% Forest Change
29.41 Livestock Density (per sq km)



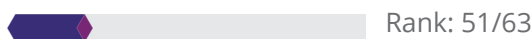
Vulnerable Health Status



74.4 Life Expectancy (years)
11.8 Infant Mortality Rate (per 1,000 live births)
5.4% Acute Malnutrition (Children <5)
102.1 Tuberculosis Incidence (per 100,000 persons)
8.88 Malaria Prevalance (per 100,000 persons)
236 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



99.2% Households with Safe Water Access
79.5% Households with Hygienic Toilet Access



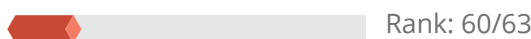
Information Access Vulnerability



1.6% Adult Illiteracy Rate
85.1% School Attendance Rate
86.0% Households without Internet
5.0% Housholds without TV



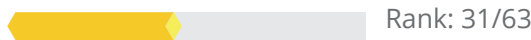
Economic Constraints



38.9 Economic Dependency Ratio
2.1% Poverty



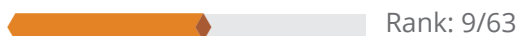
Gender Inequality



0.1 Income Inequality*
0.33 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
6.0% Average Annual Urban Population Change
4.2% Net Migration Rate



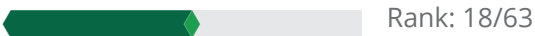
COPING CAPACITY (CC)

RANK: 20 / 63 PROVINCES
SCORE: 0.514

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



Economic Capacity

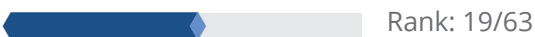


7.48	4,024	49.06	6.61	7.42
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



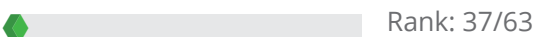
Governance



5.43	6.13	6.29
Law and Order*	Informal Charges*	Transparency*



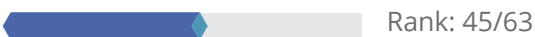
Environmental Capacity



6.2%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 57/63

98.0%	20.2	3.63	8.74	11.5
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 28/63

4,754	62.22
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 12/63

88.5%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 15 / 63 PROVINCES
SCORE: 0.583

Tay Ninh's score and ranking are due to very low Vulnerability combined with high Coping Capacity scores.

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



Population Pressures



Gender Inequality



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

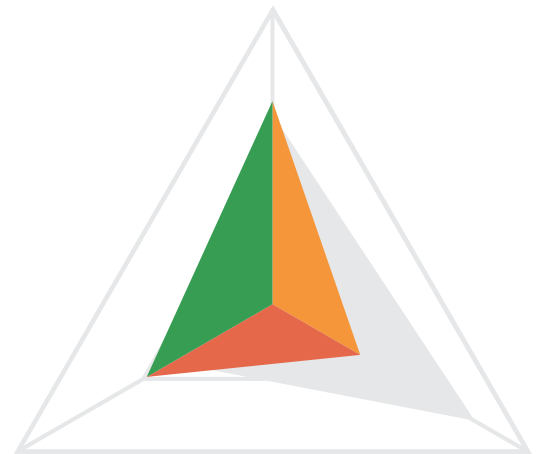
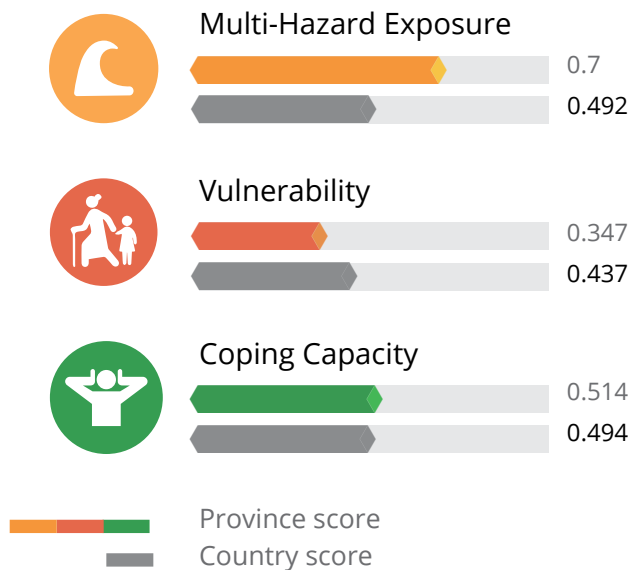
23 / 63

Rank within provinces
Score: 0.511



Tay Ninh's score and ranking are due to very high Multi-hazard exposure combined with very low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

THAI BINH

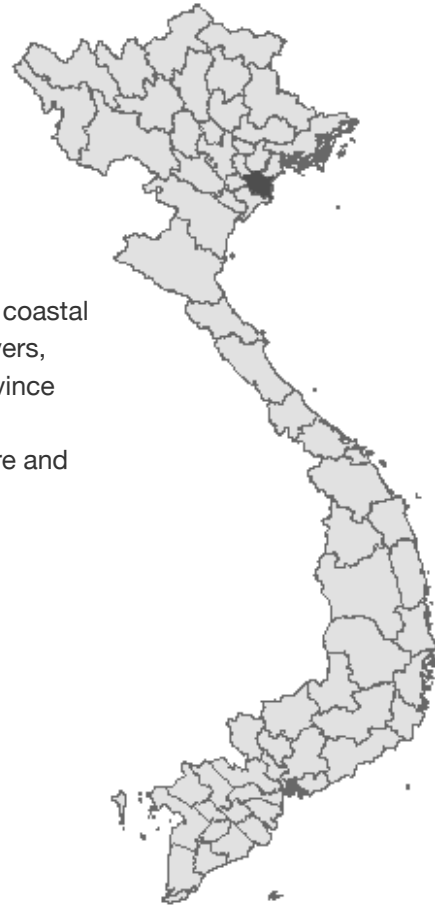
NDPBA PROVINCE PROFILE

VIỆT NAM THAI BINH

CAPITAL: THÁI BÌNH

Area: 1,830 km²

Located in the eastern part of the Red River Delta, Thai Binh is a coastal province. With three faces surrounded by Red, Luoc, and Hoa rivers, fertile soil and other natural advantages for growing rice, the province has become the main rice granary of the country. The province's economic activities also include traditional handicraft, aquaculture and manufacturing in eight industrial parks.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.503 • Rank: 25/63



RESILIENCE (R) - high
Score: 0.576 • Rank: 17/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.66 • Rank: 9/63



VULNERABILITY (V) - very low
Score: 0.326 • Rank: 59/63



COPING CAPACITY (CC) - moderate
Score: 0.478 • Rank: 33/63



Population (2017)
1,787,411



Population in Poverty
4.6%



Illiterate population
1.6%



Access to improved water
99.7%



Average life expectancy
75.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 9 / 63 PROVINCES
SCORE: 0.66

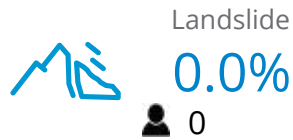
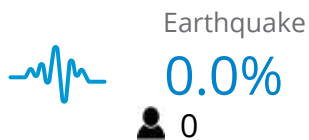


MHE
0.66

Raw MHE
0.706

Relative MHE
0.734

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 59 / 63 PROVINCES
SCORE: 0.326

Vulnerability in Thai Binh is primarily driven by Environmental Stress and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



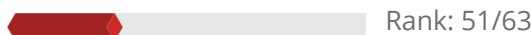
Environmental Stress



3.7% Forest Change
182.37 Livestock Density (per sq km)



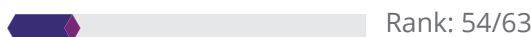
Vulnerable Health Status



75.1 Life Expectancy (years)
10.3 Infant Mortality Rate (per 1,000 live births)
6.6% Acute Malnutrition (Children <5)
41.2 Tuberculosis Incidence (per 100,000 persons)
1.12 Malaria Prevalance (per 100,000 persons)
213.4 HIV Prevalance (per 100,000 persons)



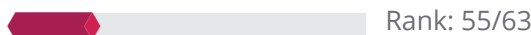
Clean Water Vulnerability



99.7% Households with Safe Water Access
78.9% Households with Hygienic Toilet Access



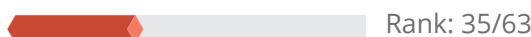
Information Access Vulnerability



1.6% Adult Illiteracy Rate
98.5% School Attendance Rate
91.0% Households without Internet
3.0% Housholds without TV



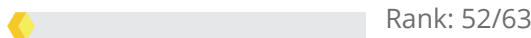
Economic Constraints



47.8 Economic Dependency Ratio
4.6% Poverty



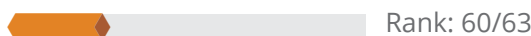
Gender Inequality



0.12 Income Inequality*
0.16 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.0% Average Annual Population Change
3.9% Average Annual Urban Population Change
1.4% Net Migration Rate



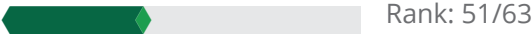
COPING CAPACITY (CC)

RANK: 33 / 63 PROVINCES
SCORE: 0.478

Thai Binh exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



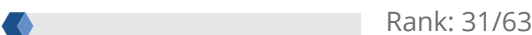
Rank: 51/63

6.49	3,934	15.78	6.52	7.84
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

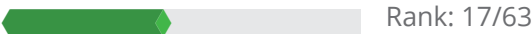


Rank: 31/63

5.51	5.1	6.54
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

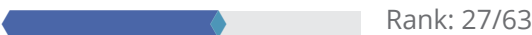


Rank: 17/63

15.6%
Protected Area



Infrastructure Capacity



Rank: 27/63



Health Care Capacity

Rank: 17/63

99.0%	30.2	7.37	9.22	5.3
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 41/63

1,180	15.32
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 39/63

82.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 17 / 63 PROVINCES
SCORE: 0.576

Thai Binh's score and ranking are due to very low Vulnerability combined with moderate Coping Capacity scores.

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



Environmental Stress



Economic Constraints



Economic Capacity



Governance



MULTI-HAZARD RISK

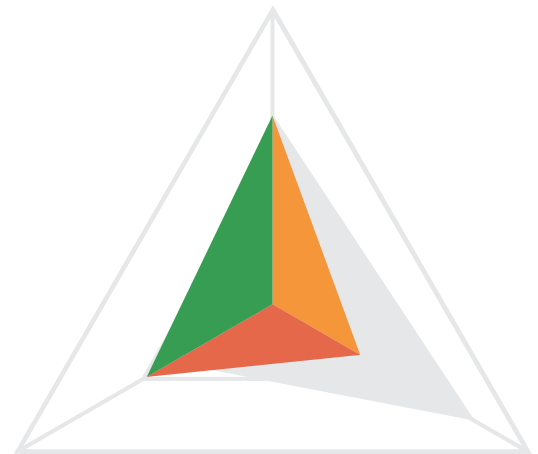
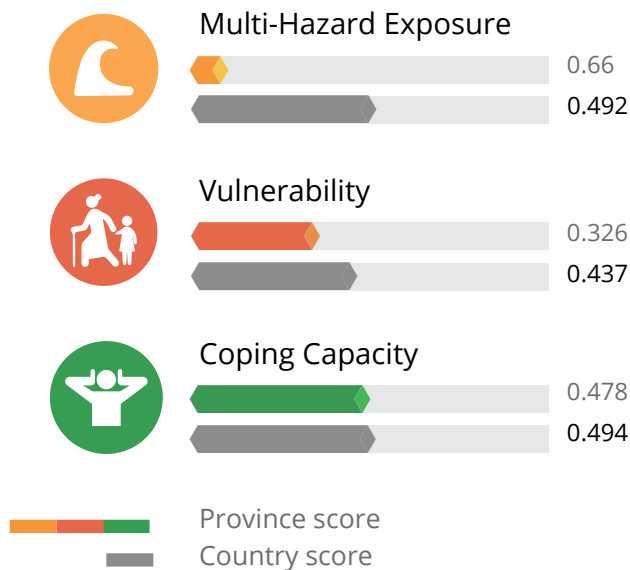
25 / 63

Rank within provinces
Score: 0.503



Thai Binh's score and ranking are due to very high Multi-hazard exposure combined with very low Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

THAI NGUYEN

NDPBA PROVINCE PROFILE

VIỆT NAM THAI NGUYEN

CAPITAL: THÁI NGUYÊN

Area: 4,101 km²

Neighboring Hanoi Capital to the north, Thai Nguyen is considered the gateway and center for the Northeastern region of Viet Nam. Thai Nguyên is home to the eight main ethnic groups, including Kinh, Tay, Nung, San Diu, H'Mong, San Chay, Dao, and Hoa people. With mountainous, midland terrain, the province has rich mineral resources and favorable natural conditions for industrial plants. Green tea is the province's most famous product in Viet Nam. Thai Nguyen is known as a former iron and steel industry center with seven industrial zones in operation attracting large manufacturing investors such as Samsung Electronics.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.433 • Rank: 47/63



RESILIENCE (R) - low
Score: 0.487 • Rank: 48/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.275 • Rank: 55/63



VULNERABILITY (V) - very high
Score: 0.509 • Rank: 10/63



COPING CAPACITY (CC) - moderate
Score: 0.483 • Rank: 31/63



Population (2017)
1,211,523



Population in Poverty
9.1%



Illiterate population
4.0%



Access to improved water
86.9%



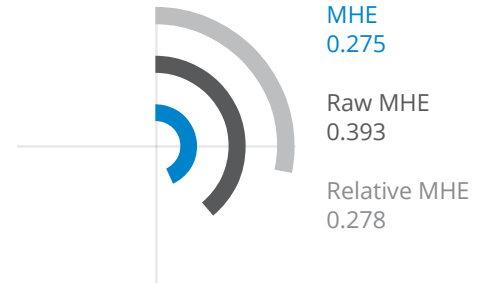
Average life expectancy
73.20 years

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

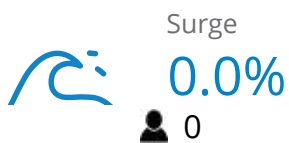
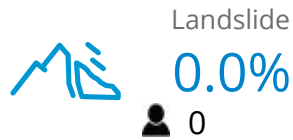
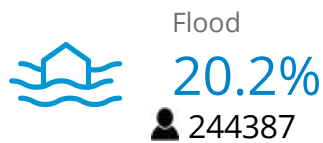
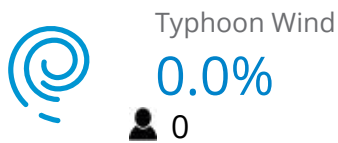


MULTI-HAZARD EXPOSURE

RANK: 55 / 63 PROVINCES
SCORE: 0.275



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 10 / 63 PROVINCES
SCORE: 0.509

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



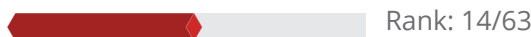
Environmental Stress



-17.4% Forest Change
60.98 Livestock Density (per sq km)



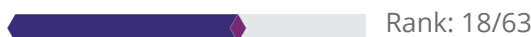
Vulnerable Health Status



73.2 Life Expectancy (years)
14.7 Infant Mortality Rate (per 1,000 live births)
9.1% Acute Malnutrition (Children <5)
34.6 Tuberculosis Incidence (per 100,000 persons)
58.78 Malaria Prevalance (per 100,000 persons)
640 HIV Prevalance (per 100,000 persons)



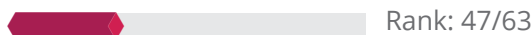
Clean Water Vulnerability



86.9% Households with Safe Water Access
50.7% Households with Hygienic Toilet Access



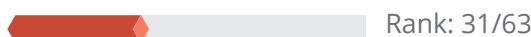
Information Access Vulnerability



4.0% Adult Illiteracy Rate
97.9% School Attendance Rate
80.0% Households without Internet
7.0% Housholds without TV



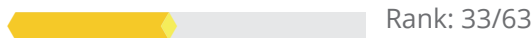
Economic Constraints



43.8 Economic Dependency Ratio
9.1% Poverty



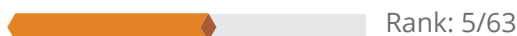
Gender Inequality



0.08 Income Inequality*
0.35 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.1% Average Annual Population Change
5.7% Average Annual Urban Population Change
3.7% Net Migration Rate



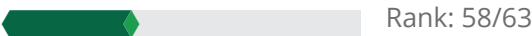
COPING CAPACITY (CC)

RANK: 31 / 63 PROVINCES
SCORE: 0.483

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



Economic Capacity



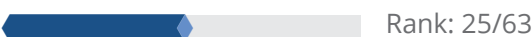
Rank: 58/63

6.17	4,550	16.35	6	7.27
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

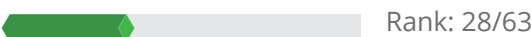


Rank: 25/63

6.42	5.66	6.31
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

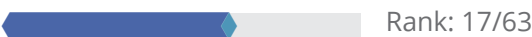


Rank: 28/63

9.0%
Protected Area



Infrastructure Capacity



Rank: 17/63



Health Care Capacity Rank: 11/63

97.1%	35.38	7.73	16.42	8.78
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 50/63

1,411	54.89
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 16/63

87.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 48 / 63 PROVINCES
SCORE: 0.487

Thai Nguyen's score and ranking are due to very high Vulnerability combined with moderate Coping Capacity scores.

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



Environmental Stress



Clean Water Access Vulnerability



Economic Capacity



Transportation Capacity



MULTI-HAZARD RISK

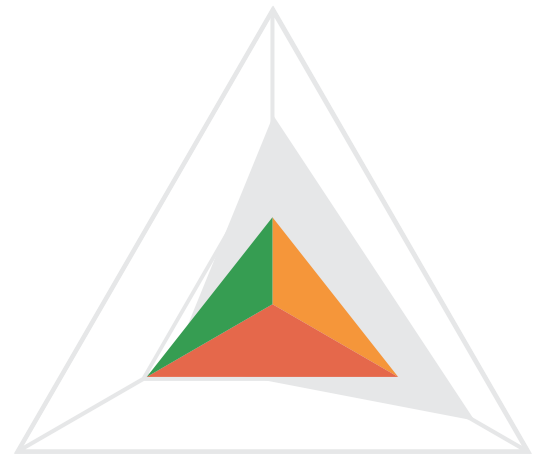
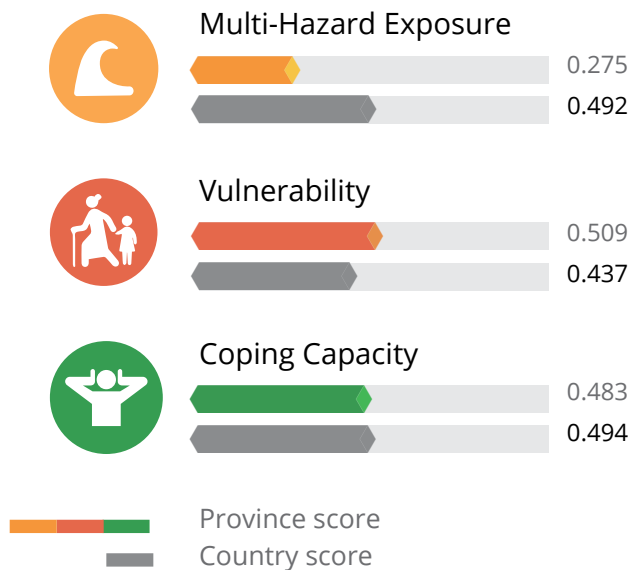
47 / 63

Rank within provinces
Score: 0.433



Thai Nguyen's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

THANH HOA

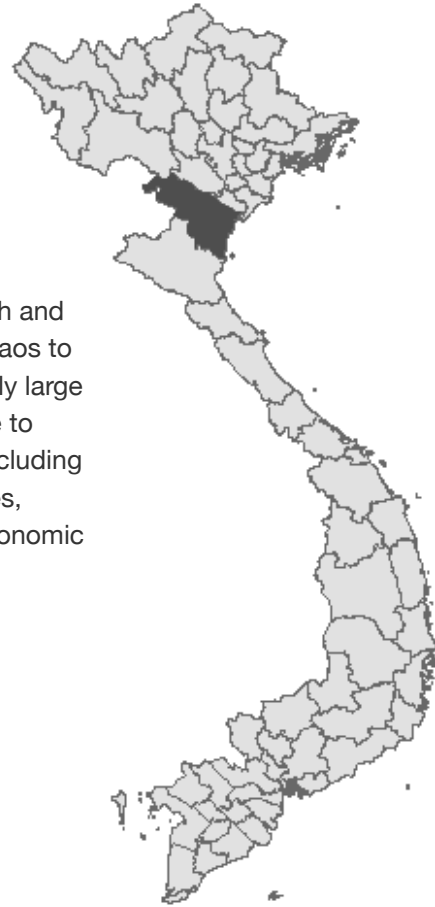
NDPBA PROVINCE PROFILE

VIỆT NAM THANH HOA

CAPITAL: THANH HÓA

Area: 12,642 km²

Thanh Hoa province is located in the transition between the North and North Central Coast regions of Viet Nam, sharing a border with Laos to the west and a long coastline to the east. Thanh Hoa is a relatively large province with a large population. The province is known as home to three ancient Viet Kingdoms. With abundant natural resources including mineral resources, plain area for agriculture and beautiful beaches, Thanh Hoa is vulnerable to floods and has not yet reached its economic potential.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.606 • Rank: 3/63



RESILIENCE (R) - moderate
Score: 0.515 • Rank: 38/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.849 • Rank: 1/63



VULNERABILITY (V) - high
Score: 0.439 • Rank: 25/63



COPING CAPACITY (CC) - low
Score: 0.469 • Rank: 39/63



Population (2017)
3,475,194



Population in Poverty
12.0%



Illiterate population
7.4%



Access to improved water
88.5%



Average life expectancy
73.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 1 / 63 PROVINCES
SCORE: 0.849

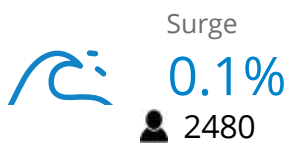


MHE
0.849

Raw MHE
0.942

Relative MHE
0.842

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





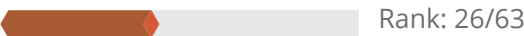
VULNERABILITY (V)

RANK: 25 / 63 PROVINCES
SCORE: 0.439

Vulnerability in Thanh Hoa is primarily driven by Clean Water Access Vulnerability and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



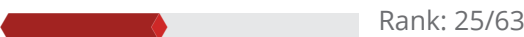
Environmental Stress



1.2% Forest Change
44.94 Livestock Density (per sq km)



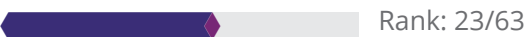
Vulnerable Health Status



73 Life Expectancy (years)
15.5 Infant Mortality Rate (per 1,000 live births)
7.1% Acute Malnutrition (Children <5)
43.4 Tuberculosis Incidence (per 100,000 persons)
27.37 Malaria Prevalance (per 100,000 persons)
157.1 HIV Prevalance (per 100,000 persons)



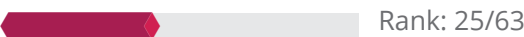
Clean Water Vulnerability



88.5% Households with Safe Water Access
56.4% Households with Hygienic Toilet Access



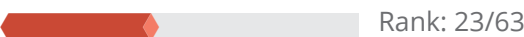
Information Access Vulnerability



7.4% Adult Illiteracy Rate
96.2% School Attendance Rate
91.0% Households without Internet
5.0% Housholds without TV



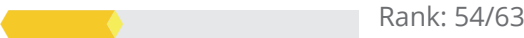
Economic Constraints



43.8 Economic Dependency Ratio
12.0% Poverty



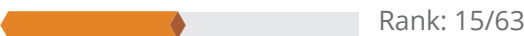
Gender Inequality



0.06 Income Inequality*
0.25 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.2% Average Annual Population Change
6.4% Average Annual Urban Population Change
5.4% Net Migration Rate



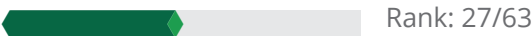
COPING CAPACITY (CC)

RANK: 39 / 63 PROVINCES
SCORE: 0.469

Thanh Hoa exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



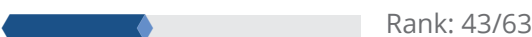
Rank: 27/63

6.23	4,200	17.52	6.72	8.3
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

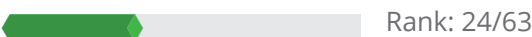


Rank: 43/63

5.74	4.57	6.36
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 24/63

10.4%
Protected Area



Infrastructure Capacity



Rank: 39/63



Health Care Capacity

Rank: 25/63

99.1%	30.3	6.48	9.62	12.6
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 31/63

6,035	82.49
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 53/63

75.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 38 / 63 PROVINCES
SCORE: 0.515

Thanh Hoa's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Population
Pressures



Governance



Economic Capacity



MULTI-HAZARD RISK

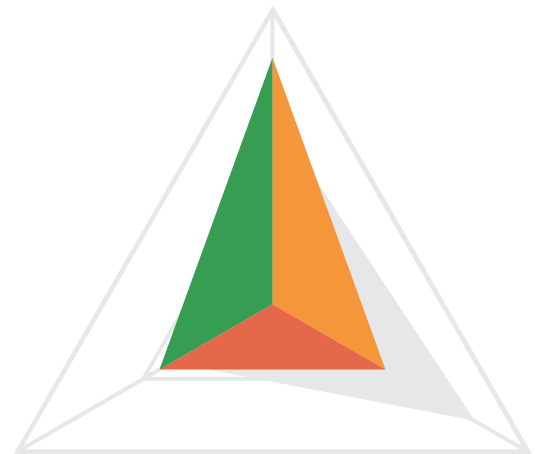
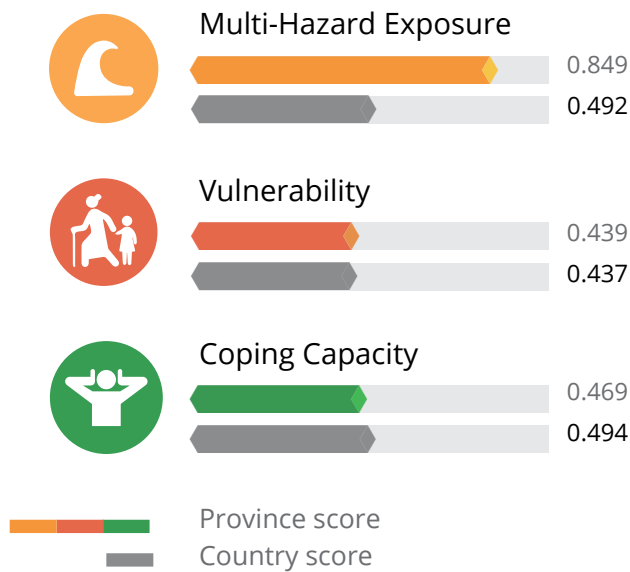
3 / 63

Rank within provinces
Score: 0.606



Thanh Hoa's score and ranking are due to very high Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

THUA THIEN HUE

NDPBA PROVINCE PROFILE

VIỆT NAM

THUA THIEN HUE

CAPITAL: HUẾ

Area: 5,234 km²

Thua Thien Hue is a province in the North Central Coast region of Viet Nam, sharing a border with Laos to the west and having a 128km-long coastline. The province's capital, Hue, is well-known as the former imperial city of the Nguyen dynasty (an UNESCO world heritage site). The province is rich in both historical cultures, beautiful natural landscapes and biodiversity. Thua Thien Hue's economic activities include forestry, agriculture, fishery, mining, tourism, hydropower, and industrial manufacturing in 11 industrial and economic zones.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.503 • Rank: 24/63



RESILIENCE (R) - high
Score: 0.567 • Rank: 19/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.643 • Rank: 11/63



VULNERABILITY (V) - very low
Score: 0.363 • Rank: 52/63



COPING CAPACITY (CC) - high
Score: 0.497 • Rank: 24/63



Population (2017)
1,159,319



Population in Poverty
4.7%



Illiterate population
5.1%



Access to improved water
97.3%



Average life expectancy
71.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 11 / 63 PROVINCES
SCORE: 0.643

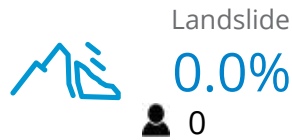
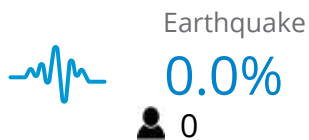


MHE
0.643

Raw MHE
0.596

Relative MHE
0.81

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





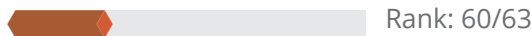
VULNERABILITY (V)

RANK: 52 / 63 PROVINCES
SCORE: 0.363

Vulnerability in Thua Thien Hue is primarily driven by Gender Inequality and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



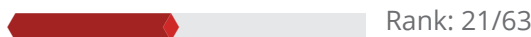
Environmental Stress



3.6% Forest Change
16.18 Livestock Density (per sq km)



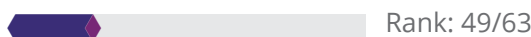
Vulnerable Health Status



71.3 Life Expectancy (years)
20 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
56.1 Tuberculosis Incidence (per 100,000 persons)
9.1 Malaria Prevalance (per 100,000 persons)
64.2 HIV Prevalance (per 100,000 persons)



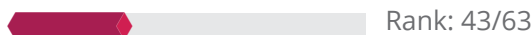
Clean Water Vulnerability



97.3% Households with Safe Water Access
88.2% Households with Hygienic Toilet Access



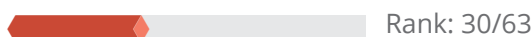
Information Access Vulnerability



5.1% Adult Illiteracy Rate
93.4% School Attendance Rate
75.0% Households without Internet
8.0% Housholds without TV



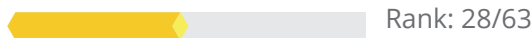
Economic Constraints



48.8 Economic Dependency Ratio
4.7% Poverty



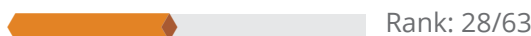
Gender Inequality



0.11 Income Inequality*
0.34 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.6% Average Annual Population Change
5.6% Average Annual Urban Population Change
1.0% Net Migration Rate



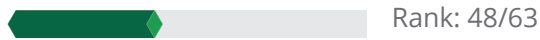
COPING CAPACITY (CC)

RANK: 24 / 63 PROVINCES
SCORE: 0.497

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



Economic Capacity

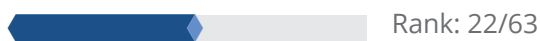


6.41	4,233	25.32	5.69	7.93
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



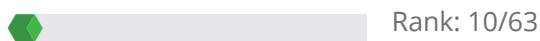
Governance



6	5.68	6.53
Law and Order*	Informal Charges*	Transparency*



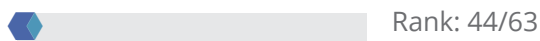
Environmental Capacity



23.8%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 52/63

98.6%	20.02	5.55	9.93	19.19
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 35/63

3,752	62.33
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 27/63

85.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 19 / 63 PROVINCES
SCORE: 0.567

Thua Thien Hue's score and ranking are due to very low Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Population Pressures



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

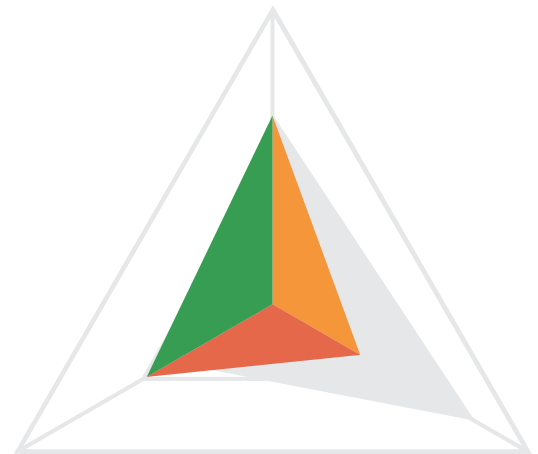
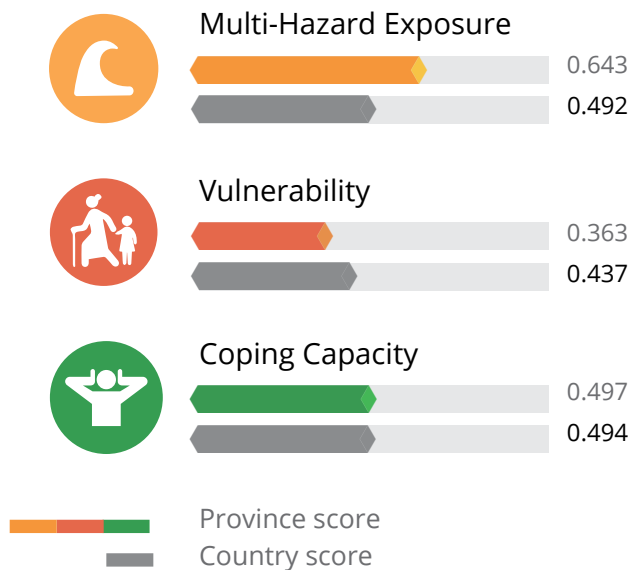
24 / 63

Rank within provinces
Score: 0.503



Thua Thien Hue's score and ranking are due to very high Multi-hazard exposure combined with very low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

TIEN GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM TIEN GIANG

CAPITAL: MỸ THO

Area: 2,488 km²

Tien Giang is a coastal province in the Mekong Delta region along the lower part of the Tien river. The province is considered a granary with the largest fruit producing area in the country. Tien Giang also has rich aquatic supply including freshwater fish, brackish fish, and saltwater fish. The service and industrial sector (in five large industrial parks) is growing in proportion in the province's economy.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.473 • Rank: 33/63



RESILIENCE (R) - moderate
Score: 0.516 • Rank: 36/63



MULTI-HAZARD EXPOSURE - low
Score: 0.453 • Rank: 40/63



VULNERABILITY (V) - low
Score: 0.402 • Rank: 42/63



COPING CAPACITY (CC) - low
Score: 0.434 • Rank: 49/63



Population (2017)
1,766,357



Population in Poverty
6.3%



Illiterate population
1.7%



Access to improved water
97.5%



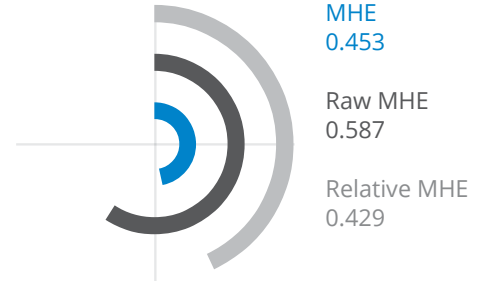
Average life expectancy
75.60 years

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

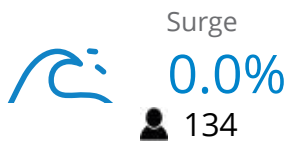
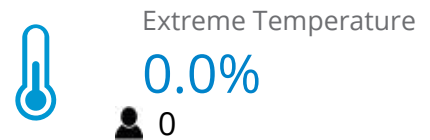
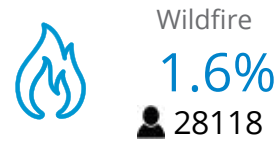
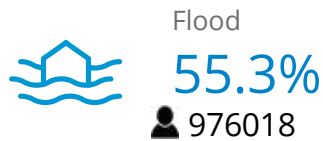


MULTI-HAZARD EXPOSURE

RANK: 40 / 63 PROVINCES
SCORE: 0.453



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





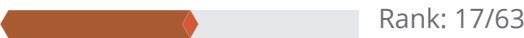
VULNERABILITY (V)

RANK: 42 / 63 PROVINCES
SCORE: 0.402

Vulnerability in Tien Giang is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



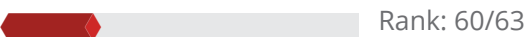
Environmental Stress



0.5% Forest Change
80.78 Livestock Density (per sq km)



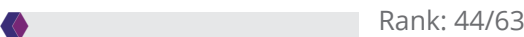
Vulnerable Health Status



75.6 Life Expectancy (years)
9.1 Infant Mortality Rate (per 1,000 live births)
6.6% Acute Malnutrition (Children <5)
62.3 Tuberculosis Incidence (per 100,000 persons)
0.58 Malaria Prevalance (per 100,000 persons)
83.3 HIV Prevalance (per 100,000 persons)



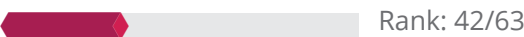
Clean Water Vulnerability



97.5% Households with Safe Water Access
71.0% Households with Hygienic Toilet Access



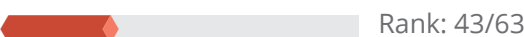
Information Access Vulnerability



1.7% Adult Illiteracy Rate
91.0% School Attendance Rate
89.0% Households without Internet
5.0% Housholds without TV



Economic Constraints



42.6 Economic Dependency Ratio
6.3% Poverty



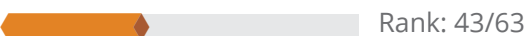
Gender Inequality



0.13 Income Inequality*
0.52 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
2.0% Average Annual Urban Population Change
4.6% Net Migration Rate



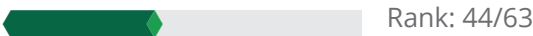
COPING CAPACITY (CC)

RANK: 49 / 63 PROVINCES
SCORE: 0.434

Tien Giang exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



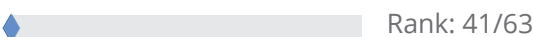
Rank: 44/63

7.15	4,002	26.56	6.57	7.48
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

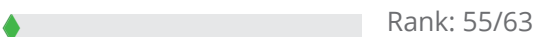


Rank: 41/63

4.84	5.28	6.14
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

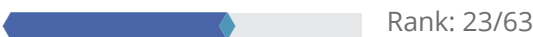


Rank: 55/63

0.0%
Protected Area



Infrastructure Capacity



Rank: 23/63



Health Care Capacity

Rank: 43/63

98.3%	21.06	4.99	10.33	8.49
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 12/63

3,469	11.23
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 18/63

87.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 36 / 63 PROVINCES
SCORE: 0.516

Tien Giang's score and ranking are due to low Vulnerability combined with low Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Governance



Economic Capacity



MULTI-HAZARD RISK

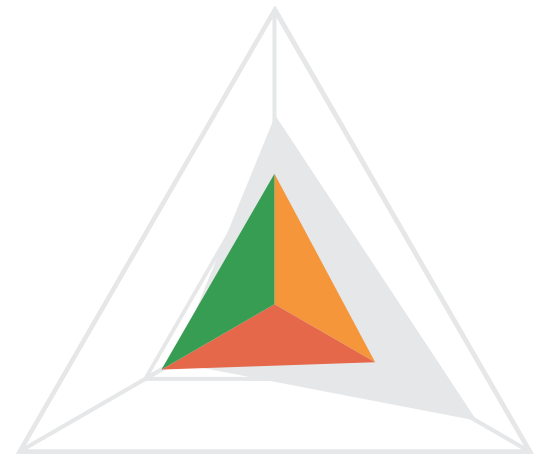
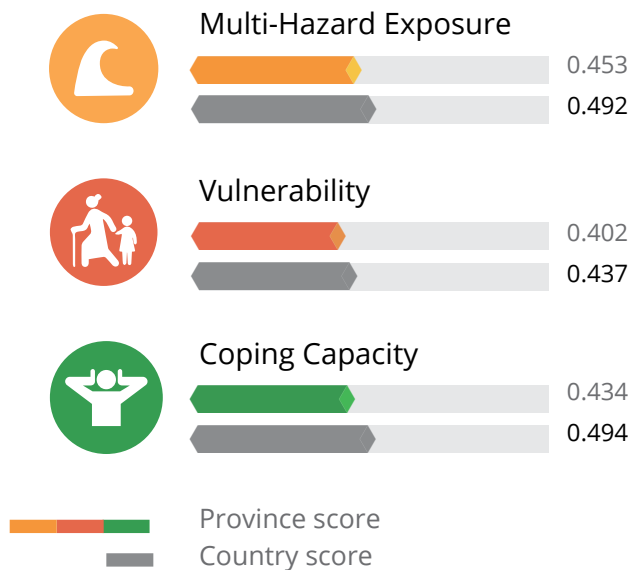


33 / 63

Rank within provinces
Score: 0.473

Tien Giang's score and ranking are due to low Multi-hazard exposure combined with low Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

TRA VINH

NDPBA PROVINCE PROFILE

VIỆT NAM TRA VINH

CAPITAL: TRÀ VINH

Area: 2,287 km²

Tra Vinh is a coastal province situated in the southeastern part of the Mekong Delta at the mouth of Hau and Co Chien rivers. The province is known for being the home of Khmer culture - about 29% of total population is Khmer Krom people. Moderate climate and fertile soil make Tra Vinh favorable for agriculture, aquaculture, fish and shrimp breeding.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.466 • Rank: 36/63



RESILIENCE (R) - very low
Score: 0.457 • Rank: 55/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.31 • Rank: 51/63



VULNERABILITY (V) - very high
Score: 0.561 • Rank: 7/63



COPING CAPACITY (CC) - moderate
Score: 0.474 • Rank: 36/63



Population (2017)
1,033,840



Population in Poverty
12.0%



Illiterate population
11.7%



Access to improved water
97.3%



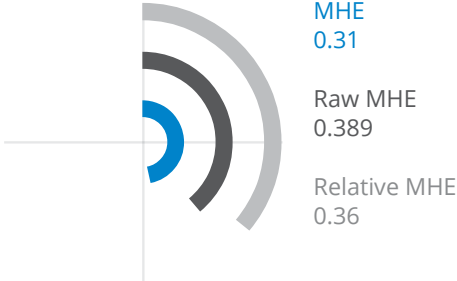
Average life expectancy
74.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 51 / 63 PROVINCES
SCORE: 0.31



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1033550



Flood
38.6%
399400



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.7%
6780



Surge
0.0%
0



VULNERABILITY (V)

RANK: 7 / 63 PROVINCES
SCORE: 0.561

Vulnerability in Tra Vinh is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



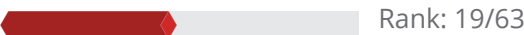
Environmental Stress



-14.7% Forest Change
75.12 Livestock Density (per sq km)



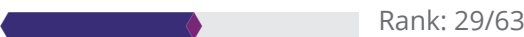
Vulnerable Health Status



74.2 Life Expectancy (years)
12.3 Infant Mortality Rate (per 1,000 live births)
11.2% Acute Malnutrition (Children <5)
68.6 Tuberculosis Incidence (per 100,000 persons)
0.78 Malaria Prevalance (per 100,000 persons)
94.7 HIV Prevalance (per 100,000 persons)



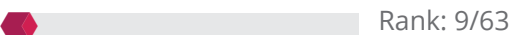
Clean Water Vulnerability



97.3% Households with Safe Water Access
43.8% Households with Hygienic Toilet Access



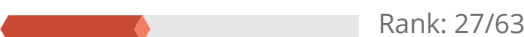
Information Access Vulnerability



11.7% Adult Illiteracy Rate
86.1% School Attendance Rate
91.0% Households without Internet
10.0% Housholds without TV



Economic Constraints



42.2 Economic Dependency Ratio
12.0% Poverty



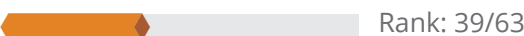
Gender Inequality



0.18 Income Inequality*
0.54 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
3.0% Average Annual Urban Population Change
2.7% Net Migration Rate



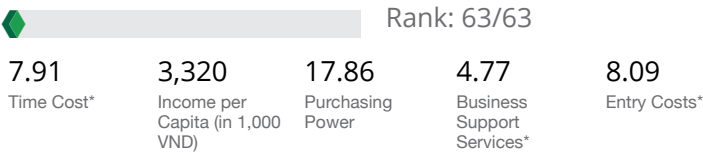
COPING CAPACITY (CC)

RANK: 36 / 63 PROVINCES
SCORE: 0.474

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



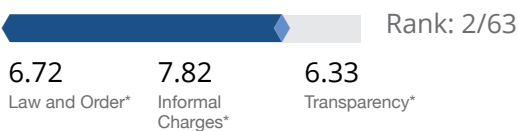
Economic Capacity



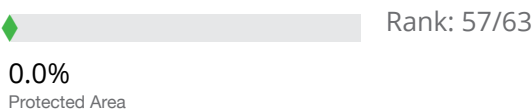
*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



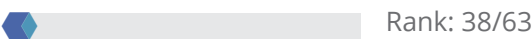
Governance



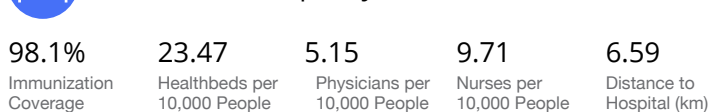
Environmental Capacity



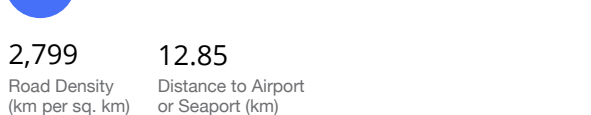
Infrastructure Capacity



Health Care Capacity



Transportation Capacity



Communications Capacity





RESILIENCE (R)

RANK: 55 / 63 PROVINCES
SCORE: 0.457

Tra Vinh's score and ranking are due to very high Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

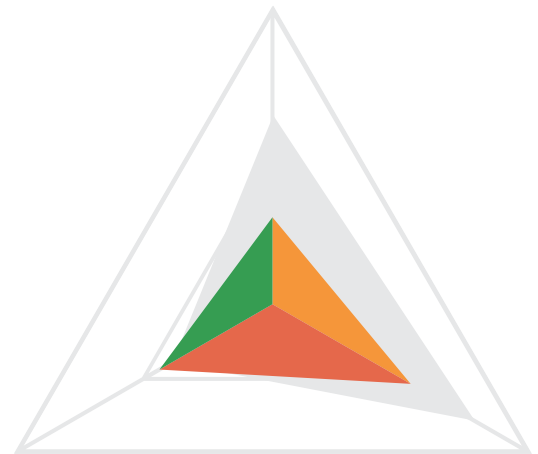
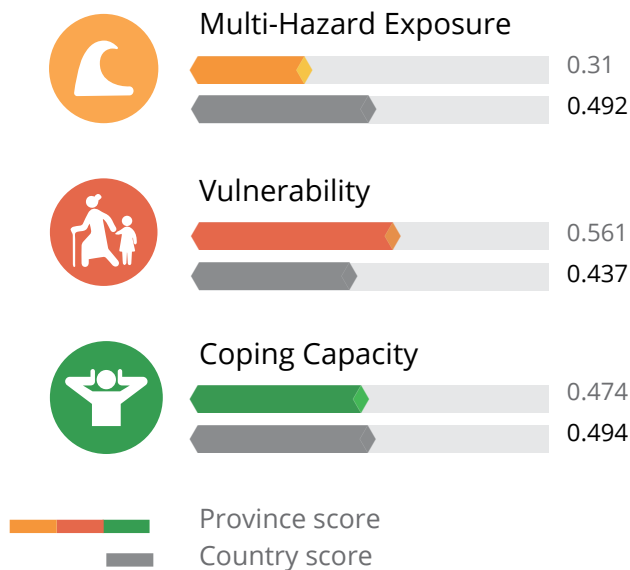
36 / 63

Rank within provinces
Score: 0.466



Tra Vinh's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

TUYEN QUANG

NDPBA PROVINCE PROFILE

VIỆT NAM

TUYEN QUANG

CAPITAL: TUYÊN QUANG

Area: 6,866 km²

Tuyen Quang province is located in the Northeastern region of Viet Nam at the center of the Lo River valley. The province has widely varying topography covering high mountains, deep valleys, and an abundance of rivers, lakes and ponds. Tuyen Quang's economy is based on forestry, agriculture, fishery, mining, and primary industries. The province experiences cold winter with occasional mist, hoarfrost and is prone to cyclones and floods resulting from frequent intense rainstorms.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.425 • Rank: 48/63



RESILIENCE (R) - low
Score: 0.488 • Rank: 47/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.252 • Rank: 57/63



VULNERABILITY (V) - high
Score: 0.457 • Rank: 18/63



COPING CAPACITY (CC) - low
Score: 0.433 • Rank: 50/63



Population (2017)
794,208



Population in Poverty
14.7%



Illiterate population
5.5%



Access to improved water
74.7%



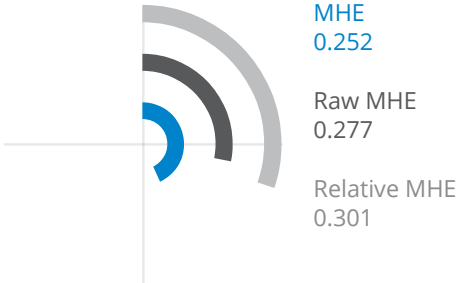
Average life expectancy
72.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 57 / 63 PROVINCES
SCORE: 0.252



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
24.0%
190296



Wildfire
8.8%
70175



Earthquake
0.0%
0



Landslide
1.6%
13103



Extreme Temperature
100.0%
794208



Surge
0.0%
0



VULNERABILITY (V)

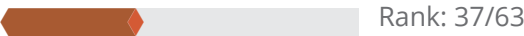
RANK: 18 / 63 PROVINCES

SCORE: 0.457

Vulnerability in Tuyen Quang is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



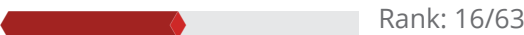
Environmental Stress



2.1% Forest Change
35.66 Livestock Density (per sq km)



Vulnerable Health Status



72 Life Expectancy (years)
18.6 Infant Mortality Rate (per 1,000 live births)
8.6% Acute Malnutrition (Children <5)
18.7 Tuberculosis Incidence (per 100,000 persons)
7.96 Malaria Prevalance (per 100,000 persons)
115.5 HIV Prevalance (per 100,000 persons)



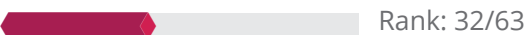
Clean Water Vulnerability



74.7% Households with Safe Water Access
38.9% Households with Hygienic Toilet Access



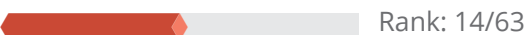
Information Access Vulnerability



5.5% Adult Illiteracy Rate
96.1% School Attendance Rate
90.0% Households without Internet
6.0% Housholds without TV



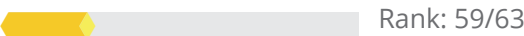
Economic Constraints



46.2 Economic Dependency Ratio
14.7% Poverty



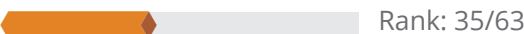
Gender Inequality



0.06 Income Inequality*
0.17 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
2.9% Average Annual Urban Population Change
2.4% Net Migration Rate



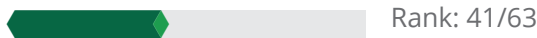
COPING CAPACITY (CC)

RANK: 50 / 63 PROVINCES
SCORE: 0.433

Tuyen Quang exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

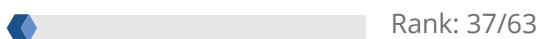


5.79	4,249	15.17	6.13	8.29
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



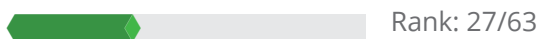
Governance



5.95	4.58	6.59
Law and Order*	Informal Charges*	Transparency*



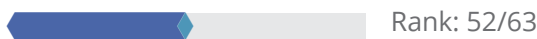
Environmental Capacity



9.2%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 51/63

97.3%	29.25	5.86	7.18	14.33
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 49/63

1,484	55.82
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 35/63

83.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 47 / 63 PROVINCES
SCORE: 0.488

Tuyen Quang's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Governance



Economic Capacity



MULTI-HAZARD RISK

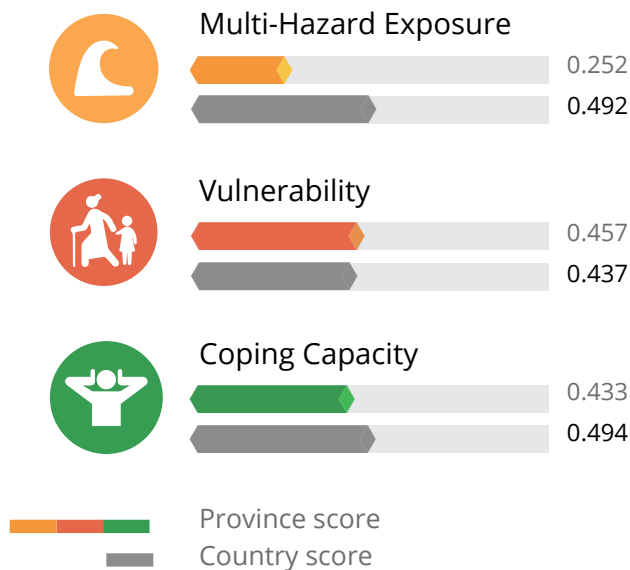
48 / 63

Rank within provinces
Score: 0.425



Tuyen Quang's score and ranking are due to very low Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

VINH LONG

NDPBA PROVINCE PROFILE

VIỆT NAM VINH LONG

CAPITAL: VĨNH LONG

Area: 1,584 km²

Vinh Long province is located between the Hau and Tien rivers in center of the Mekong Delta. Vinh Long is home to about 20 ethnic groups, including Kinh, Khmer, Hoa, and Cham people. Flat terrain with rich alluvial soil and a complicated network of rivers and canals makes the province favorable for rice and fruits cultivation. Vinh Long is also well-known for fishing.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.464 • Rank: 37/63



RESILIENCE (R) - high
Score: 0.556 • Rank: 20/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.503 • Rank: 30/63



VULNERABILITY (V) - moderate
Score: 0.43 • Rank: 30/63



COPING CAPACITY (CC) - high
Score: 0.541 • Rank: 17/63



Population (2017)
1,079,952



Population in Poverty
5.4%



Illiterate population
6.3%



Access to improved water
70.0%



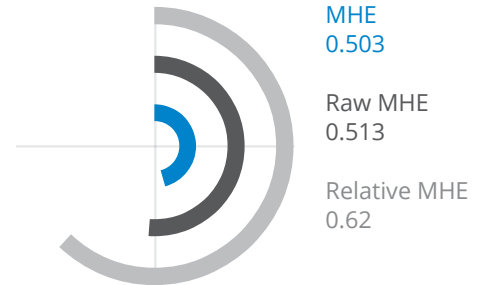
Average life expectancy
75.10 years

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

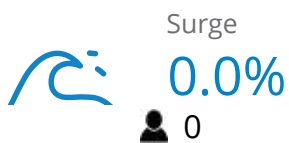
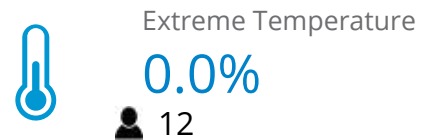
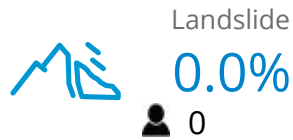


MULTI-HAZARD EXPOSURE

RANK: 30 / 63 PROVINCES
SCORE: 0.503



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





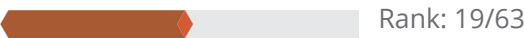
VULNERABILITY (V)

RANK: 30 / 63 PROVINCES
SCORE: 0.43

Vulnerability in Vinh Long is primarily driven by Clean Water Access Vulnerability and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



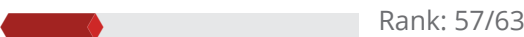
Environmental Stress



1.5% Forest Change
81.09 Livestock Density (per sq km)



Vulnerable Health Status



75.1 Life Expectancy (years)
10.1 Infant Mortality Rate (per 1,000 live births)
4.8% Acute Malnutrition (Children <5)
80.9 Tuberculosis Incidence (per 100,000 persons)
0.48 Malaria Prevalance (per 100,000 persons)
216.5 HIV Prevalance (per 100,000 persons)



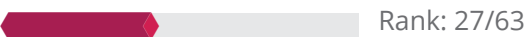
Clean Water Vulnerability



70.0% Households with Safe Water Access
57.3% Households with Hygienic Toilet Access



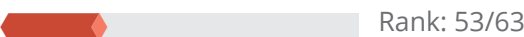
Information Access Vulnerability



6.3% Adult Illiteracy Rate
92.3% School Attendance Rate
84.0% Households without Internet
7.0% Housholds without TV



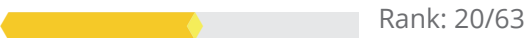
Economic Constraints



41.4 Economic Dependency Ratio
5.4% Poverty



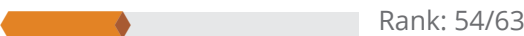
Gender Inequality



0.18 Income Inequality*
0.27 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.2% Average Annual Population Change
1.6% Average Annual Urban Population Change
5.2% Net Migration Rate



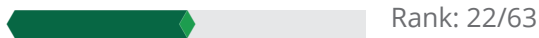
COPING CAPACITY (CC)

RANK: 17 / 63 PROVINCES
SCORE: 0.541

Vinh Long exhibits weaker Coping Capacity in the areas of Environmental Capacity and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



7.4	3,441	32.83	6.73	8.47
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



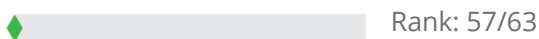
Governance



7.08	6.64	6.06
Law and Order*	Informal Charges*	Transparency*



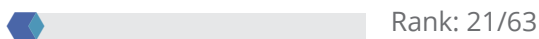
Environmental Capacity



0.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 33/63

98.3%	21.99	5.72	10.28	6.72
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 25/63

2,311	9.85
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 14/63

88.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 20 / 63 PROVINCES
SCORE: 0.556

Vinh Long's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Gender Inequality



Environmental
Capacity



Economic Capacity



MULTI-HAZARD RISK

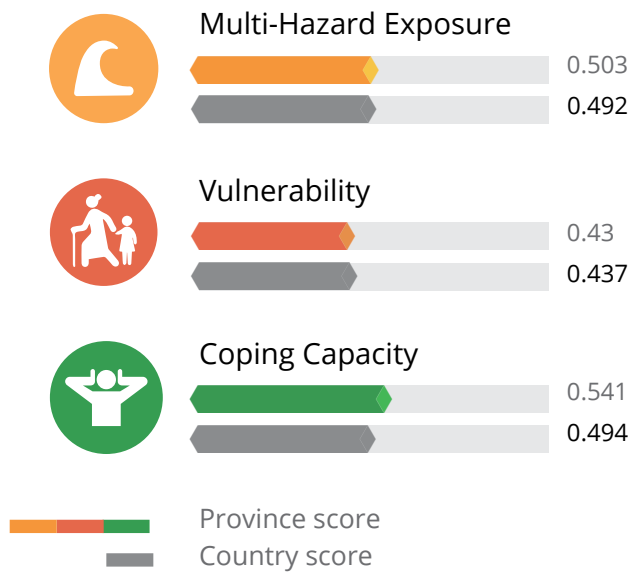
37 / 63

Rank within provinces
Score: 0.464



Vinh Long's score and ranking are due to moderate Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

VINH PHUC

NDPBA PROVINCE PROFILE

VIỆT NAM

VINH PHUC

CAPITAL: VĨNH YÊN

Area: 1,509 km²

Neighboring Hanoi capital to the north, Vinh Phuc province is located in the transition area between midland mound, hill area, and the Red River Delta in northern Viet Nam. There are seven ethnic groups living together in the province as Kinh, San Diu, Dao, Cao Lan, and Muong. Vinh Phuc is one of the most industrialized provinces in Viet Nam, attracting major car makers such as Honda, Toyota, Nissan, and other manufacturing investors in 20 industrial parks.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.398 • Rank: 54/63



RESILIENCE (R) - high
Score: 0.577 • Rank: 16/63



MULTI-HAZARD EXPOSURE - low
Score: 0.349 • Rank: 47/63



VULNERABILITY (V) - moderate
Score: 0.421 • Rank: 34/63



COPING CAPACITY (CC) - very high
Score: 0.576 • Rank: 10/63



Population (2017)
1,099,692



Population in Poverty
3.7%



Illiterate population
2.2%



Access to improved water
94.9%



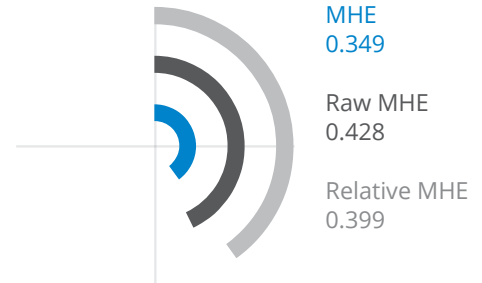
Average life expectancy
73.90 years

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

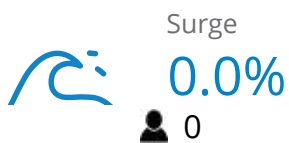
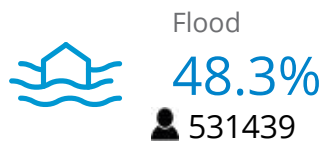
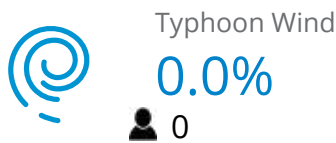


MULTI-HAZARD EXPOSURE

RANK: 47 / 63 PROVINCES
SCORE: 0.349



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 34 / 63 PROVINCES
SCORE: 0.421

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



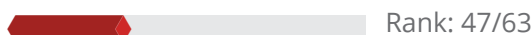
Environmental Stress



4.1% Forest Change
173.53 Livestock Density (per sq km)



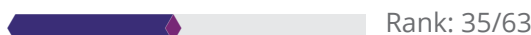
Vulnerable Health Status



73.9 Life Expectancy (years)
12.9 Infant Mortality Rate (per 1,000 live births)
5.2% Acute Malnutrition (Children <5)
5.9 Tuberculosis Incidence (per 100,000 persons)
76.59 Malaria Prevalance (per 100,000 persons)
115.9 HIV Prevalance (per 100,000 persons)



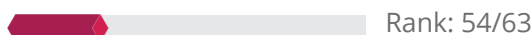
Clean Water Vulnerability



94.9% Households with Safe Water Access
63.6% Households with Hygienic Toilet Access



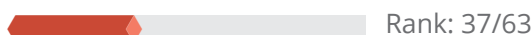
Information Access Vulnerability



2.2% Adult Illiteracy Rate
98.0% School Attendance Rate
84.0% Households without Internet
5.0% Housholds without TV



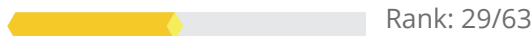
Economic Constraints



48.5 Economic Dependency Ratio
3.7% Poverty



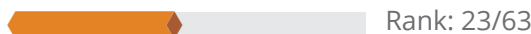
Gender Inequality



0.1 Income Inequality*
0.33 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
4.8% Average Annual Urban Population Change
1.4% Net Migration Rate



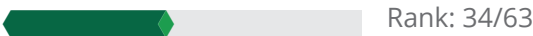
COPING CAPACITY (CC)

RANK: 10 / 63 PROVINCES
SCORE: 0.576

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



Economic Capacity

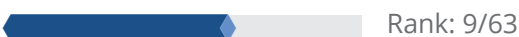


7.27	4,332	30.45	6.81	7.1
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



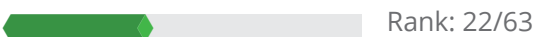
Governance



6.28	6.05	6.59
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



12.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 3/63

98.5%	39.35	7.88	14.96	5.79
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 36/63

1,631	23.56
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 19/63

87.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 16 / 63 PROVINCES
SCORE: 0.577

Vinh Phuc's score and ranking are due to moderate Vulnerability combined with very high Coping Capacity scores.

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



Environmental Stress



Population Pressures



Economic Capacity



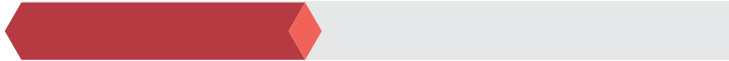
Transportation Capacity



MULTI-HAZARD RISK

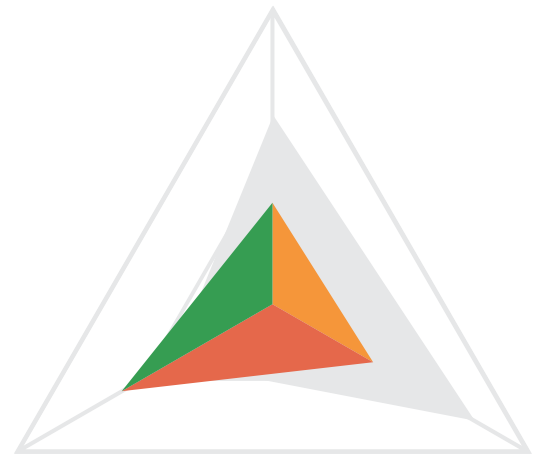
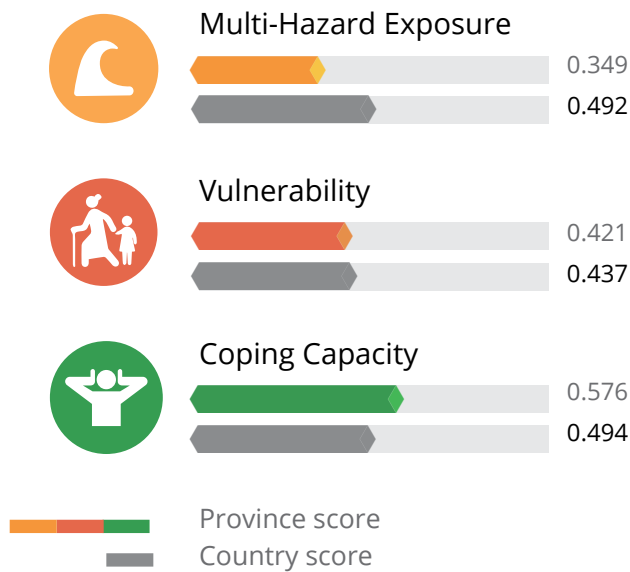
54 / 63

Rank within provinces
Score: 0.398



Vinh Phuc's score and ranking are due to low Multi-hazard exposure combined with moderate Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

YEN BAI

NDPBA PROVINCE PROFILE

VIỆT NAM YEN BAI

CAPITAL: YÊN BÁI

Area: 8,030 km²

Yen Bai is a mountainous province located in the northwestern Viet Nam, part of the Hoang Lien Son mountain range and the Red and Chay rivers systems. Forestry and farming are the main economic activities of the region. Thac Ba is a well-known artificial lake contributing to ecological tourism, water resources, and hydropower development. Yen Bai is home to about 30 ethnic groups, including Kinh, Dao, Tay, and H'Mong people. The province is vulnerable to floods and landslides caused by frequent typhoons and heavy rains.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.455 • Rank: 41/63



RESILIENCE (R) - low
Score: 0.487 • Rank: 49/63



MULTI-HAZARD EXPOSURE - low
Score: 0.338 • Rank: 49/63



VULNERABILITY (V) - high
Score: 0.474 • Rank: 14/63



COPING CAPACITY (CC) - low
Score: 0.449 • Rank: 43/63



Population (2017)
817,558



Population in Poverty
19.7%



Illiterate population
11.0%



Access to improved water
59.6%



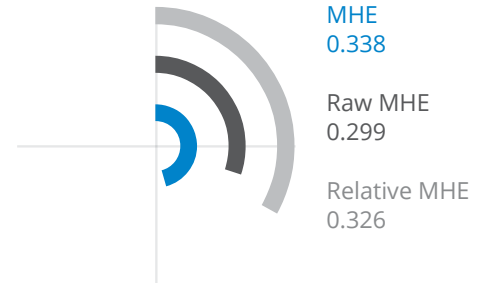
Average life expectancy
68.80 years

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

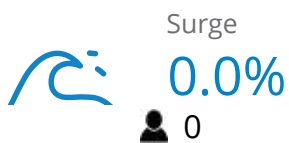
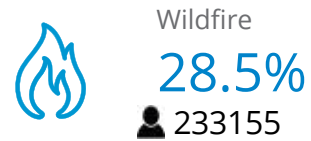
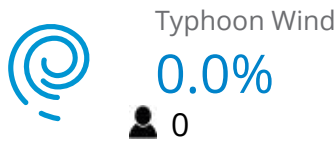


MULTI-HAZARD EXPOSURE

RANK: 49 / 63 PROVINCES
SCORE: 0.338



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





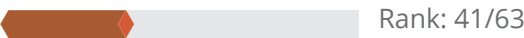
VULNERABILITY (V)

RANK: 14 / 63 PROVINCES
SCORE: 0.474

Vulnerability in Yen Bai is primarily driven by Clean Water Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



2.3% Forest Change
29.17 Livestock Density (per sq km)



Vulnerable Health Status



68.8 Life Expectancy (years)
26.9 Infant Mortality Rate (per 1,000 live births)
9.8% Acute Malnutrition (Children <5)
19.6 Tuberculosis Incidence (per 100,000 persons)
18.82 Malaria Prevalance (per 100,000 persons)
486.5 HIV Prevalance (per 100,000 persons)



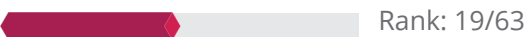
Clean Water Vulnerability



59.6% Households with Safe Water Access
53.6% Households with Hygienic Toilet Access



Information Access Vulnerability



11.0% Adult Illiteracy Rate
92.5% School Attendance Rate
86.0% Households without Internet
7.0% Housholds without TV



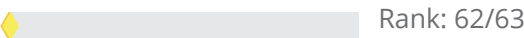
Economic Constraints



50.1 Economic Dependency Ratio
19.7% Poverty



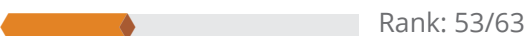
Gender Inequality



0 Income Inequality*
0.11 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.0% Average Annual Population Change
1.4% Average Annual Urban Population Change
1.1% Net Migration Rate



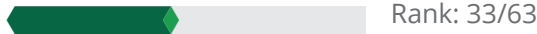
COPING CAPACITY (CC)

RANK: 43 / 63 PROVINCES
SCORE: 0.449

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



Economic Capacity



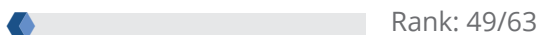
Rank: 33/63

5.89	4,527	14.33	6.94	7.65
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

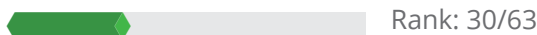


Rank: 49/63

6.17	4.31	6.16
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

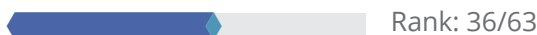


Rank: 30/63

7.7%
Protected Area



Infrastructure Capacity



Rank: 36/63



Health Care Capacity

Rank: 10/63

98.8%	37.36	7.43	15.8	17.16
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 57/63

1,554	87.06
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 42/63

81.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 49 / 63 PROVINCES
SCORE: 0.487

Yen Bai's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Vulnerable Health
Status



Transportation
Capacity



Governance



MULTI-HAZARD RISK

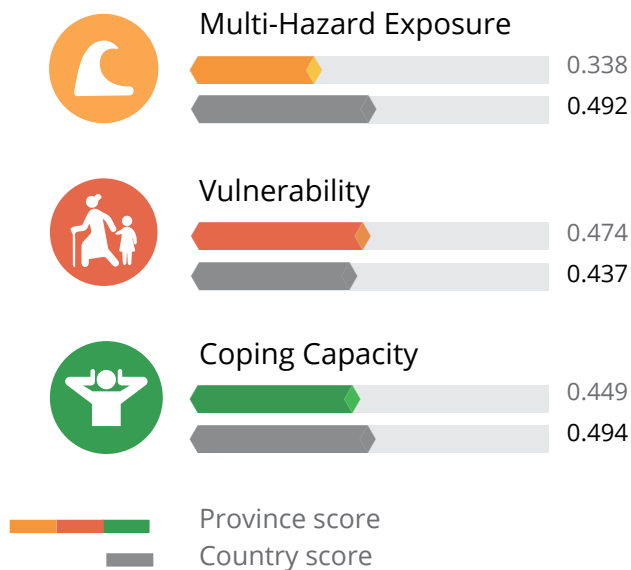
41 / 63

Rank within provinces
Score: 0.455



Yen Bai's score and ranking are due to low Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

QUANG BINH

NDPBA PROVINCE PROFILE

VIỆT NAM

QUANG BINH

CAPITAL: ĐỒNG HỚI

Area: 8,813 km²

Quang Binh is a coastal province located in the upper middle portion of Viet Nam, sharing a border with Laos to the west. The province's topography is quite narrow, steep and mainly mountainous making Quang Binh one of the poorest provinces in Viet Nam. Quang Binh's economy is based on agriculture, fishery, and small sector business. Endowed with many natural landscapes and biodiversity, the province's tourism sector is growing fast with Phong Nha Ke Bang National Park a newly recognized UNESCO world heritage site.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.534 • Rank: 13/63



RESILIENCE (R) - very low
Score: 0.481 • Rank: 50/63



MULTI-HAZARD EXPOSURE - high
Score: 0.565 • Rank: 26/63



VULNERABILITY (V) - high
Score: 0.453 • Rank: 22/63



COPING CAPACITY (CC) - very low
Score: 0.414 • Rank: 57/63



Population (2017)
893,753



Population in Poverty
12.5%



Illiterate population
5.2%



Access to improved water
89.1%



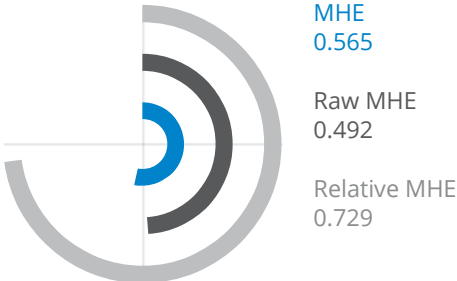
Average life expectancy
72.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 26 / 63 PROVINCES
SCORE: 0.565



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
893035



Flood
23.6%
211303



Wildfire
6.7%
59449



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
893753



Surge
1.5%
13560



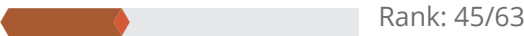
VULNERABILITY (V)

RANK: 22 / 63 PROVINCES
SCORE: 0.453

Vulnerability in Quang Binh is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



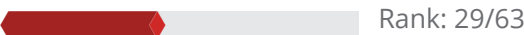
Environmental Stress



0.9% Forest Change
21.88 Livestock Density (per sq km)



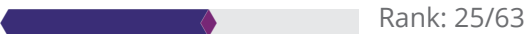
Vulnerable Health Status



72.4 Life Expectancy (years)
17 Infant Mortality Rate (per 1,000 live births)
6.5% Acute Malnutrition (Children <5)
50.1 Tuberculosis Incidence (per 100,000 persons)
107.22 Malaria Prevalance (per 100,000 persons)
35.3 HIV Prevalance (per 100,000 persons)



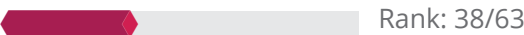
Clean Water Vulnerability



89.1% Households with Safe Water Access
57.1% Households with Hygienic Toilet Access



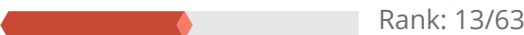
Information Access Vulnerability



5.2% Adult Illiteracy Rate
97.2% School Attendance Rate
86.0% Households without Internet
6.0% Housholds without TV



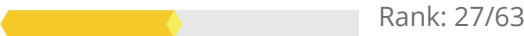
Economic Constraints



49.6 Economic Dependency Ratio
12.5% Poverty



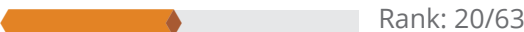
Gender Inequality



0.17 Income Inequality*
0.24 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
4.9% Average Annual Urban Population Change
3.8% Net Migration Rate



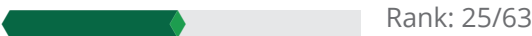
COPING CAPACITY (CC)

RANK: 57 / 63 PROVINCES
SCORE: 0.414

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



Economic Capacity



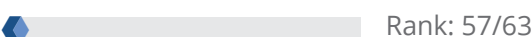
Rank: 25/63

6.18	4,477	20.79	6.45	8.17
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

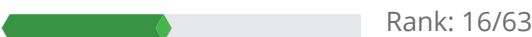


Rank: 57/63

5.63	5.16	5.67
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

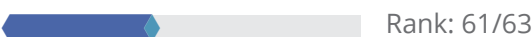


Rank: 16/63

15.7%
Protected Area



Infrastructure Capacity



Rank: 61/63



Health Care Capacity

Rank: 62/63

86.3%	22.93	5.22	10.87	25.21
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 39/63

2,404	52.04
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 47/63

79.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 50 / 63 PROVINCES
SCORE: 0.481

Quang Binh's score and ranking are due to high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Health Care Capacity



Governance



MULTI-HAZARD RISK

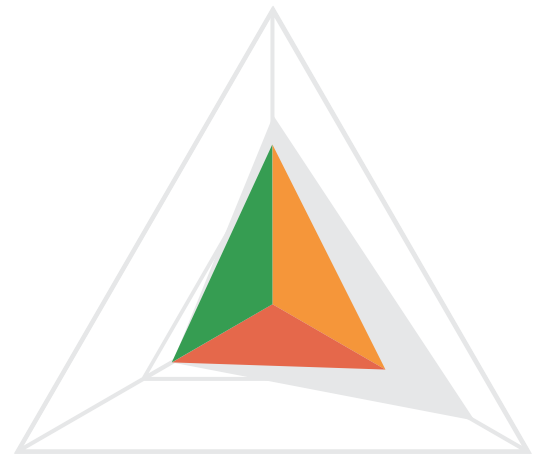
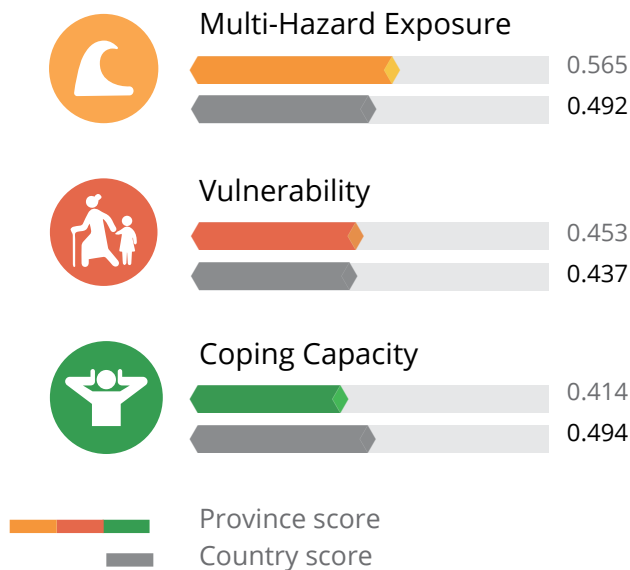
13 / 63

Rank within provinces
Score: 0.534



Quang Binh's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

QUANG NAM

NDPBA PROVINCE PROFILE

VIỆT NAM

QUANG NAM

CAPITAL: TAM KỲ

Area: 11,391 km²

Quang Nam is located in the middle of Central Viet Nam, bordering Laos to the west and facing the East Sea in the East. The province has forested mountains and hills covering 72 percent of its surface along with rivers running from the Truong Son Range to the sea. Quang Nam known for natural scenery, beaches and historical and cultural sites including two UNESCO World Heritage Sites: the ancient town of Hoi An and the My Son temple. Besides the tourism, province's economy is growing rapidly with a focus on hydropower and industry sectors, especially the Chu Lai Economic Zone.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.511 • Rank: 22/63



RESILIENCE (R) - high
Score: 0.551 • Rank: 23/63



MULTI-HAZARD EXPOSURE - high
Score: 0.636 • Rank: 15/63



VULNERABILITY (V) - moderate
Score: 0.428 • Rank: 31/63



COPING CAPACITY (CC) - high
Score: 0.53 • Rank: 18/63



Population (2017)
1,501,998



Population in Poverty
10.6%



Illiterate population
6.3%



Access to improved water
86.1%



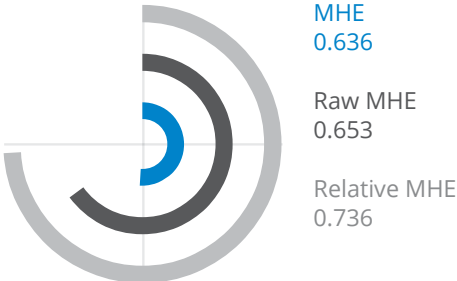
Average life expectancy
72.50 years

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



MULTI-HAZARD EXPOSURE

RANK: 15 / 63 PROVINCES
SCORE: 0.636



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1493726



Flood
27.0%
405289



Wildfire
0.8%
11700



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1501998



Surge
0.1%
1718



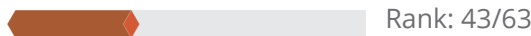
VULNERABILITY (V)

RANK: 31 / 63 PROVINCES
SCORE: 0.428

Vulnerability in Quang Nam is primarily driven by Gender Inequality and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



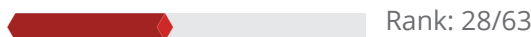
Environmental Stress



1.6% Forest Change
26.04 Livestock Density (per sq km)



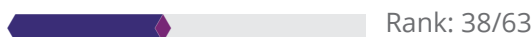
Vulnerable Health Status



72.5 Life Expectancy (years)
16.6 Infant Mortality Rate (per 1,000 live births)
6.8% Acute Malnutrition (Children <5)
63.5 Tuberculosis Incidence (per 100,000 persons)
20.65 Malaria Prevalance (per 100,000 persons)
47.1 HIV Prevalance (per 100,000 persons)



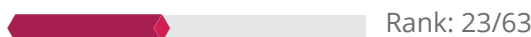
Clean Water Vulnerability



86.1% Households with Safe Water Access
82.5% Households with Hygienic Toilet Access



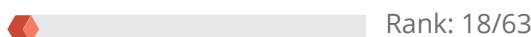
Information Access Vulnerability



6.3% Adult Illiteracy Rate
98.7% School Attendance Rate
88.0% Households without Internet
10.0% Housholds without TV



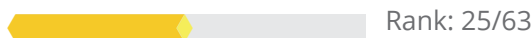
Economic Constraints



47.7 Economic Dependency Ratio
10.6% Poverty



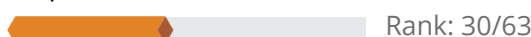
Gender Inequality



0.14 Income Inequality*
0.3 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
4.9% Average Annual Urban Population Change
1.6% Net Migration Rate



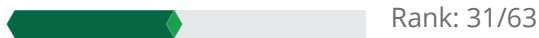
COPING CAPACITY (CC)

RANK: 18 / 63 PROVINCES
SCORE: 0.53

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



Economic Capacity



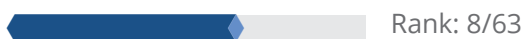
Rank: 31/63

6.71	4,156	21.33	6.44	8.2
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

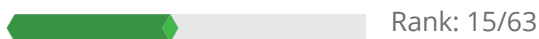


Rank: 8/63

6.99	5.53	6.8
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

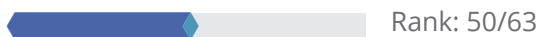


Rank: 15/63

16.1%
Protected Area



Infrastructure Capacity



Rank: 50/63



Health Care Capacity

Rank: 58/63

98.0%	29.37	5.12	10.78	39.12
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 13/63

8,683	66.39
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 51/63

77.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 23 / 63 PROVINCES
SCORE: 0.551

Quang Nam's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Economic Constraints



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

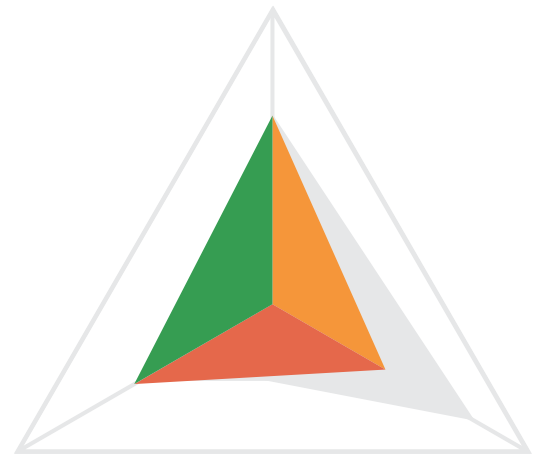
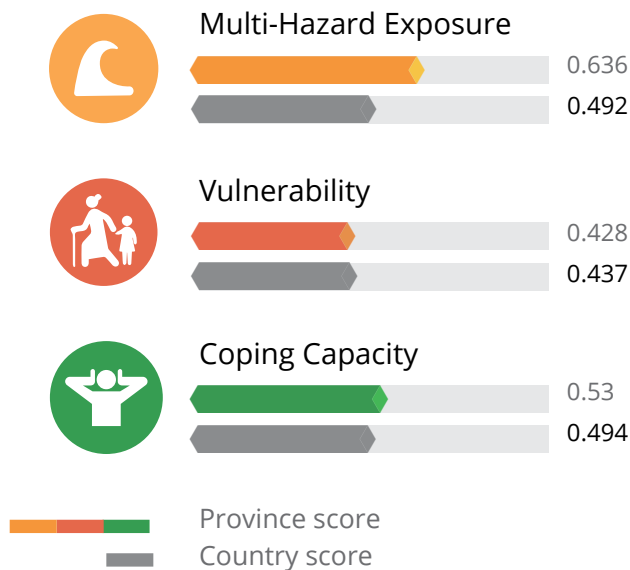
22 / 63

Rank within provinces
Score: 0.511



Quang Nam's score and ranking are due to high Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

QUANG NGAI

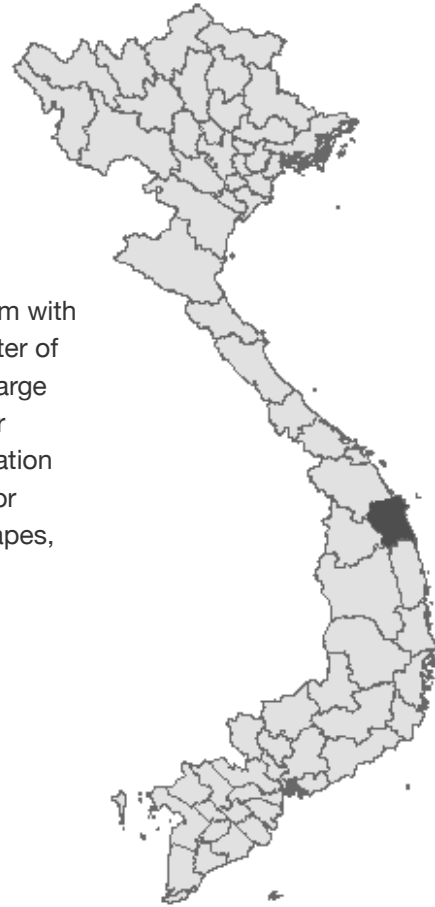
NDPBA PROVINCE PROFILE

VIỆT NAM QUANG NGAI

CAPITAL: QUẢNG NGÃI

Area: 5,540 km²

Quang Ngai is located in South Central Coastal region of Viet Nam with terrain dominated by a large plain along the coast and in the center of the province and by mountains and hills in the west. Despite its large agriculture area, Quang Ngai industry is more effective than other economic activities with the largest Viet Nam's refinery is in operation in Dung Quat Economic Zone. The province is also well-known for the vestiges from ancient Sa Huynh culture and beautiful landscapes, especially My Khe beach and Ly Son island.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.544 • Rank: 10/63



RESILIENCE (R) - low
Score: 0.498 • Rank: 45/63



MULTI-HAZARD EXPOSURE - high
Score: 0.628 • Rank: 17/63



VULNERABILITY (V) - high
Score: 0.451 • Rank: 24/63



COPING CAPACITY (CC) - low
Score: 0.446 • Rank: 45/63



Population (2017)
1,242,810



Population in Poverty
11.0%



Illiterate population
3.2%



Access to improved water
86.5%



Average life expectancy
72.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 17 / 63 PROVINCES
SCORE: 0.628



MHE
0.628
Raw MHE
0.584
Relative MHE
0.702

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1240274



Flood
19.0%
236139



Wildfire
16.4%
204311



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1242810



Surge
0.0%
540



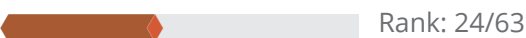
VULNERABILITY (V)

RANK: 24 / 63 PROVINCES
SCORE: 0.451

Vulnerability in Quang Ngai is primarily driven by Gender Inequality and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



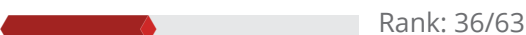
Environmental Stress



4.8% Forest Change
65.43 Livestock Density (per sq km)



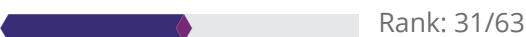
Vulnerable Health Status



72 Life Expectancy (years)
17.9 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
43.4 Tuberculosis Incidence (per 100,000 persons)
7.98 Malaria Prevalance (per 100,000 persons)
54.7 HIV Prevalance (per 100,000 persons)



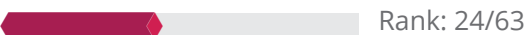
Clean Water Vulnerability



86.5% Households with Safe Water Access
70.4% Households with Hygienic Toilet Access



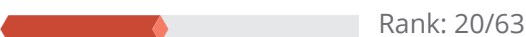
Information Access Vulnerability



3.2% Adult Illiteracy Rate
94.2% School Attendance Rate
90.0% Households without Internet
9.0% Housholds without TV



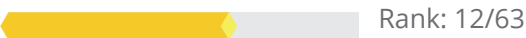
Economic Constraints



46.7 Economic Dependency Ratio
11.0% Poverty



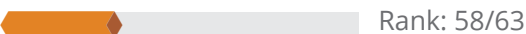
Gender Inequality



0.21 Income Inequality*
0.33 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.3% Average Annual Population Change
2.0% Average Annual Urban Population Change
2.0% Net Migration Rate



COPING CAPACITY (CC)

RANK: 45 / 63 PROVINCES
SCORE: 0.446

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



Economic Capacity

Rank: 35/63

6.19	3,910	28.62	6.74	7.67
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

Rank: 18/63

6.38	5.59	6.7
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

Rank: 54/63

0.3%
Protected Area



Infrastructure Capacity

Rank: 58/63



Health Care Capacity

Rank: 49/63

98.9%	22.42	5.06	12.07	23.88
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 46/63

5,027	107.36
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 56/63

73.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 45 / 63 PROVINCES
SCORE: 0.498

Quang Ngai's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Gender Inequality



Clean Water Access Vulnerability



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

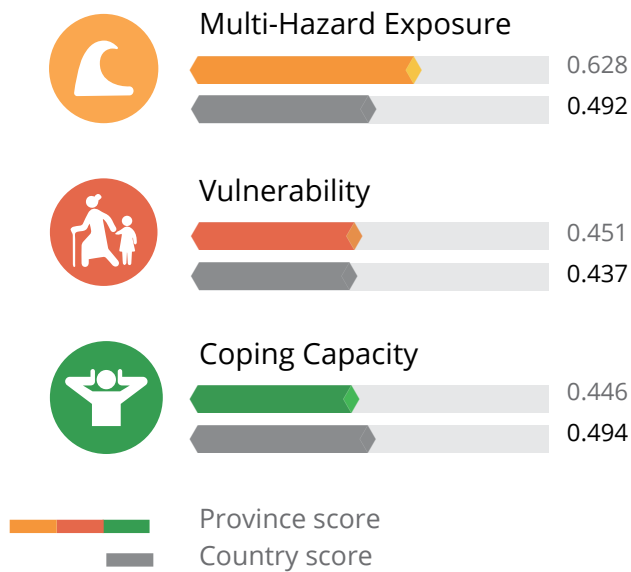
10 / 63

Rank within provinces
Score: 0.544



Quang Ngai's score and ranking are due to high Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

QUANG NINH

NDPBA PROVINCE PROFILE

VIỆT NAM QUANG NINH

CAPITAL: HẠ LONG

Area: 6,789 km²

Quang Ninh is a mountainous province along the northeastern coast of Viet Nam, with more than 2,000 small islands and sharing a border with China to the north. The province has rich natural mineral resources and supplies 90% of coal for the country. Quang Ninh province is also known for being home to Ha Long Bay, a World Heritage Site. As a gateway to China, the province's economy benefits from international trade (Mong Cai Border Gate Economic Zone), tourism and rapid industrial development, especially in the Van Don Exclusive Economic Zone



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.396 • Rank: 56/63



RESILIENCE (R) - very high
Score: 0.647 • Rank: 3/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.482 • Rank: 35/63



VULNERABILITY (V) - very low
Score: 0.367 • Rank: 51/63



COPING CAPACITY (CC) - very high
Score: 0.66 • Rank: 3/63



Population (2017)
1,275,836



Population in Poverty
4.0%



Illiterate population
7.8%



Access to improved water
92.5%



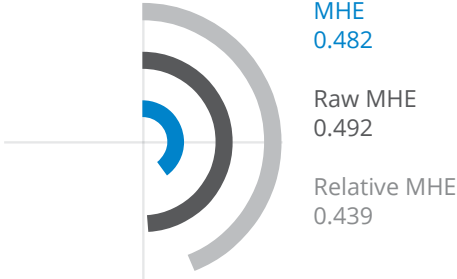
Average life expectancy
73.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 35 / 63 PROVINCES
SCORE: 0.482



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.1%
1277665



Flood
0.0%
0



Wildfire
25.5%
325891



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
57.0%
727195



Surge
0.6%
7937



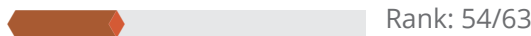
VULNERABILITY (V)

RANK: 51 / 63 PROVINCES
SCORE: 0.367

Vulnerability in Quang Ninh is primarily driven by Population Pressures and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



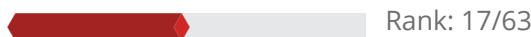
Environmental Stress



3.1% Forest Change
21.32 Livestock Density (per sq km)



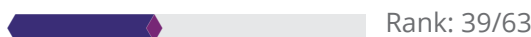
Vulnerable Health Status



73.1 Life Expectancy (years)
15.1 Infant Mortality Rate (per 1,000 live births)
8.8% Acute Malnutrition (Children <5)
42.4 Tuberculosis Incidence (per 100,000 persons)
3.75 Malaria Prevalance (per 100,000 persons)
436.1 HIV Prevalance (per 100,000 persons)



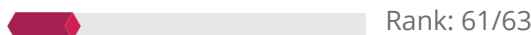
Clean Water Vulnerability



92.5% Households with Safe Water Access
76.8% Households with Hygienic Toilet Access



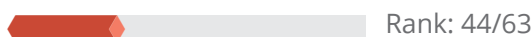
Information Access Vulnerability



7.8% Adult Illiteracy Rate
98.0% School Attendance Rate
73.0% Households without Internet
2.0% Housholds without TV



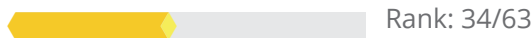
Economic Constraints



45 Economic Dependency Ratio
4.0% Poverty



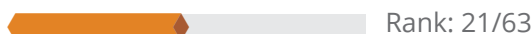
Gender Inequality



0.21 Income Inequality*
0.13 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.1% Average Annual Population Change
4.0% Average Annual Urban Population Change
2.6% Net Migration Rate



COPING CAPACITY (CC)

RANK: 3 / 63 PROVINCES
SCORE: 0.66

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



Economic Capacity



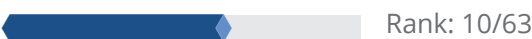
Rank: 3/63

7.73	5,144	44.08	7.52	8.93
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

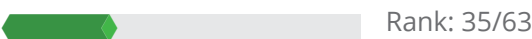


Rank: 10/63

5.63	5.79	6.8
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

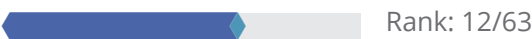


Rank: 35/63

6.6%
Protected Area



Infrastructure Capacity



Rank: 12/63



Health Care Capacity Rank: 24/63

95.6%	40.29	7.68	11.65	14.87
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 19/63

3,548	26.12
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 20/63

87.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 3 / 63 PROVINCES
SCORE: 0.647

Quang Ninh's score and ranking are due to very low Vulnerability combined with very high Coping Capacity scores.

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



Population Pressures



Vulnerable Health Status



Health Care Capacity



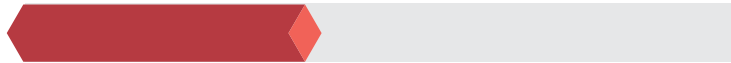
Governance



MULTI-HAZARD RISK

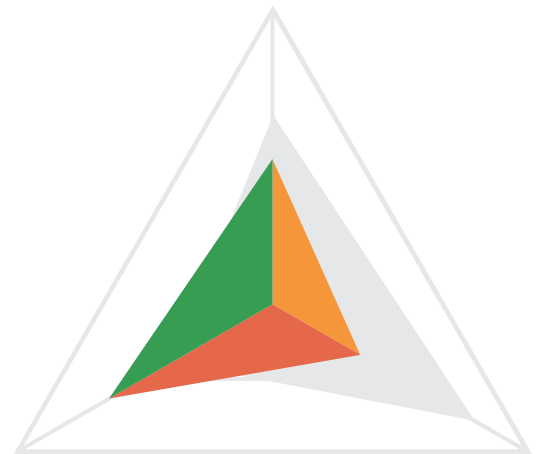
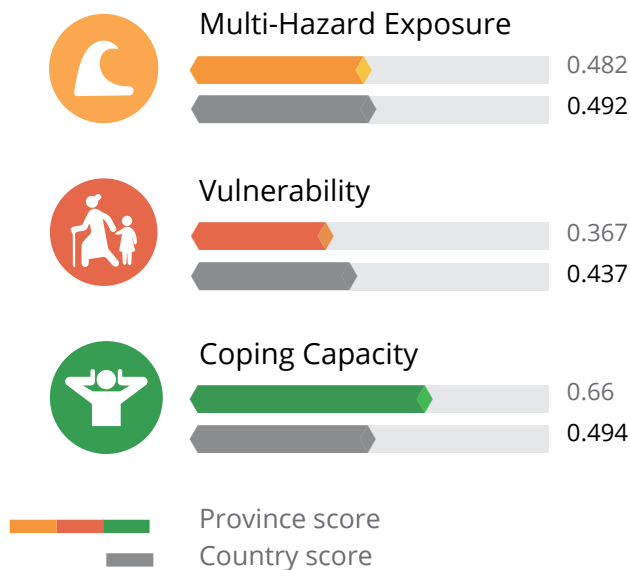
56 / 63

Rank within provinces
Score: 0.396



Quang Ninh's score and ranking are due to moderate Multi-hazard exposure combined with very low Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

QUANG TRI

NDPBA PROVINCE PROFILE

VIỆT NAM QUANG TRI

CAPITAL: ĐÔNG HÀ

Area: 5,061 km²

Quang Tri province is located in the North Central Coast region of Viet Nam, sharing a border with Laos to the west. The province's terrain is dominated by hills and mountains with a narrow coastal plain. One of the poorest provinces in Viet Nam, Quang Tri is affected by hot and dry south-west wind during the southwest monsoon season with frequent typhoons. The province was heavily impacted by the Viet Nam War and a number of the battle-field relics have become tourism attractions.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.478 • Rank: 31/63



RESILIENCE (R) - low
Score: 0.513 • Rank: 41/63



MULTI-HAZARD EXPOSURE - low
Score: 0.46 • Rank: 39/63



VULNERABILITY (V) - high
Score: 0.457 • Rank: 19/63



COPING CAPACITY (CC) - moderate
Score: 0.482 • Rank: 32/63



Population (2017)
678,597



Population in Poverty
10.7%



Illiterate population
11.5%



Access to improved water
87.6%



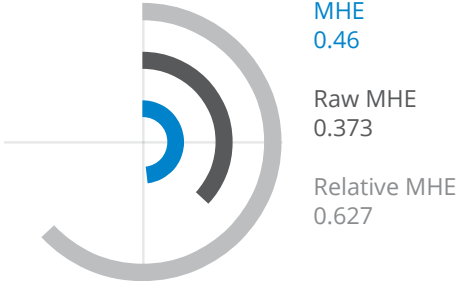
Average life expectancy
67.70 years

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



MULTI-HAZARD EXPOSURE

RANK: 39 / 63 PROVINCES
SCORE: 0.46



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
678864



Flood
0.0%
0



Wildfire
9.1%
61639



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
678597



Surge
1.4%
9459



VULNERABILITY (V)

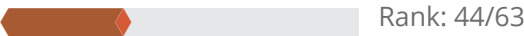
RANK: 19 / 63 PROVINCES

SCORE: 0.457

Vulnerability in Quang Tri is primarily driven by Vulnerable Health Status and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



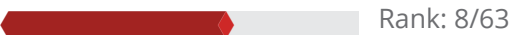
Environmental Stress



1.5% Forest Change
24.71 Livestock Density (per sq km)



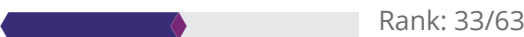
Vulnerable Health Status



67.7 Life Expectancy (years)
31.9 Infant Mortality Rate (per 1,000 live births)
7.0% Acute Malnutrition (Children <5)
43 Tuberculosis Incidence (per 100,000 persons)
81.45 Malaria Prevalance (per 100,000 persons)
29.7 HIV Prevalance (per 100,000 persons)



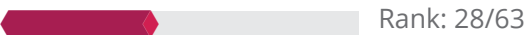
Clean Water Vulnerability



87.6% Households with Safe Water Access
71.4% Households with Hygienic Toilet Access



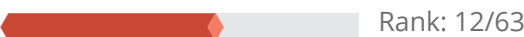
Information Access Vulnerability



11.5% Adult Illiteracy Rate
94.2% School Attendance Rate
81.0% Households without Internet
7.0% Housholds without TV



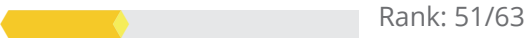
Economic Constraints



57.5 Economic Dependency Ratio
10.7% Poverty



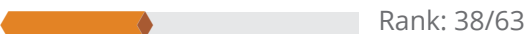
Gender Inequality



0.1 Income Inequality*
0.2 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
1.9% Average Annual Urban Population Change
5.2% Net Migration Rate



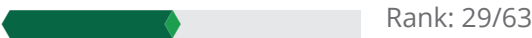
COPING CAPACITY (CC)

RANK: 32 / 63 PROVINCES
SCORE: 0.482

Quang Tri exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

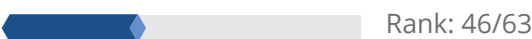


6.31	4,369	32.93	5.83	8.03
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



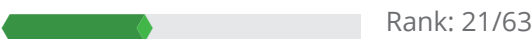
Governance



5.39	4.16	6.59
Law and Order*	Informal Charges*	Transparency*



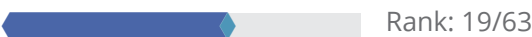
Environmental Capacity



12.1%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 20/63

95.9%	33.4	7.74	17.33	13.99
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 29/63

3,138	42.6
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 38/63

82.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 41 / 63 PROVINCES
SCORE: 0.513

Quang Tri's score and ranking are due to high Vulnerability combined with moderate Coping Capacity scores.

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



Vulnerable Health Status



Economic Constraints



Governance



Economic Capacity



MULTI-HAZARD RISK

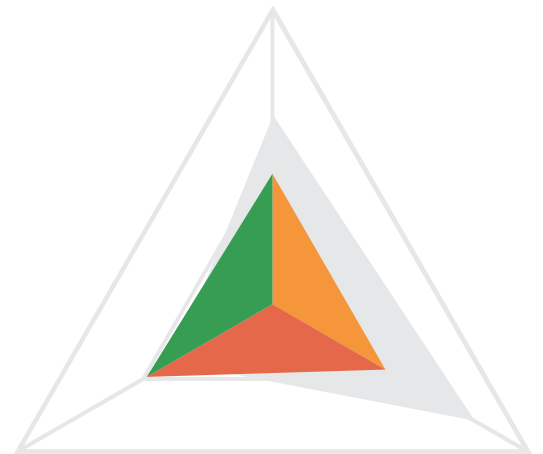
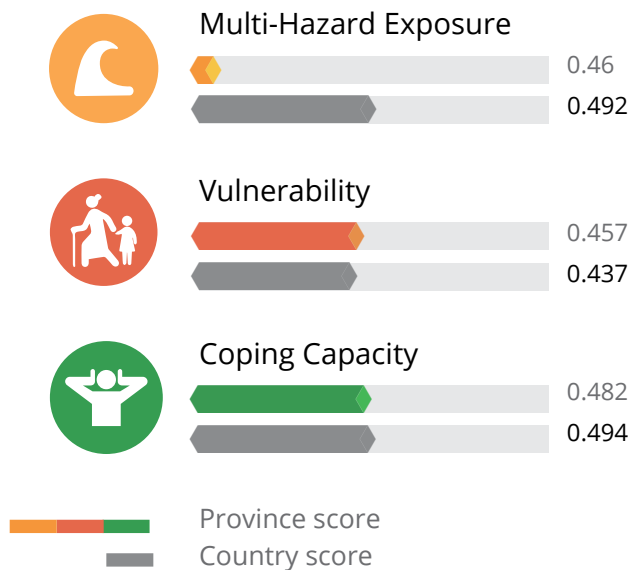
31 / 63

Rank within provinces
Score: 0.478



Quang Tri's score and ranking are due to low Multi-hazard exposure combined with high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

SOC TRANG

NDPBA PROVINCE PROFILE

VIỆT NAM

SOC TRANG

CAPITAL: SÓC TRĂNG

Area: 3,382 km²

Soc Trang is a coastal province in the southeastern part of the Mekong Delta. The province is well-known for the Khmer culture and is the place where most of Khmer minority people live. Soc Trang's economy is based on agriculture (rice, fruit, aquaculture) resulting from its fertile soils, wide rivers network, and small industrial sector. The province still maintains some mangrove forest to reduce vulnerability to salinization and sea level rising.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.489 • Rank: 27/63



RESILIENCE (R) - low
Score: 0.506 • Rank: 43/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.477 • Rank: 36/63



VULNERABILITY (V) - high
Score: 0.473 • Rank: 15/63



COPING CAPACITY (CC) - moderate
Score: 0.484 • Rank: 30/63



Population (2017)
1,367,107



Population in Poverty
12.0%



Illiterate population
22.3%



Access to improved water
94.5%



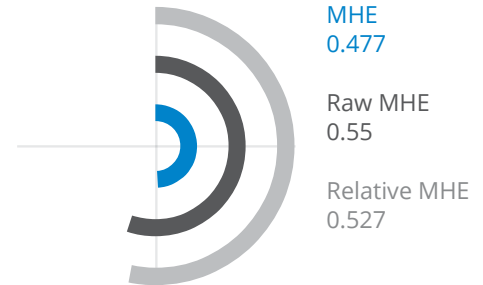
Average life expectancy
73.80 years

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

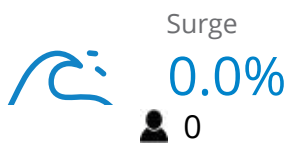
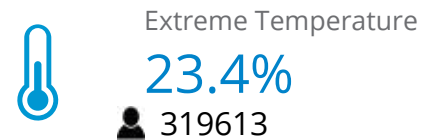
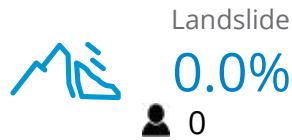
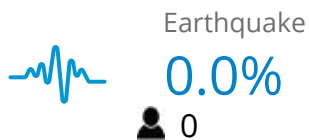
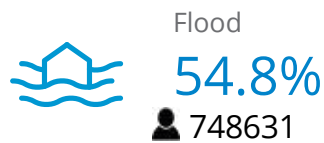


MULTI-HAZARD EXPOSURE

RANK: 36 / 63 PROVINCES
SCORE: 0.477



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





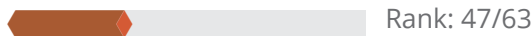
VULNERABILITY (V)

RANK: 15 / 63 PROVINCES
SCORE: 0.473

Vulnerability in Soc Trang is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



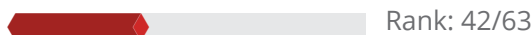
Environmental Stress



3.7% Forest Change
28.08 Livestock Density (per sq km)



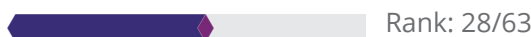
Vulnerable Health Status



73.8 Life Expectancy (years)
13.1 Infant Mortality Rate (per 1,000 live births)
6.0% Acute Malnutrition (Children <5)
82.1 Tuberculosis Incidence (per 100,000 persons)
2.06 Malaria Prevalance (per 100,000 persons)
162.7 HIV Prevalance (per 100,000 persons)



Clean Water Vulnerability



94.5% Households with Safe Water Access
51.4% Households with Hygienic Toilet Access



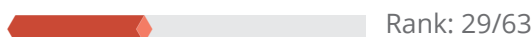
Information Access Vulnerability



22.3% Adult Illiteracy Rate
76.6% School Attendance Rate
89.0% Households without Internet
8.0% Housholds without TV



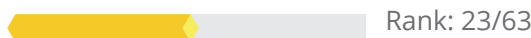
Economic Constraints



41.2 Economic Dependency Ratio
12.0% Poverty



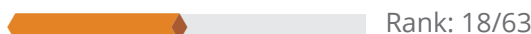
Gender Inequality



0.21 Income Inequality*
0.19 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.4% Average Annual Population Change
7.0% Average Annual Urban Population Change
1.3% Net Migration Rate



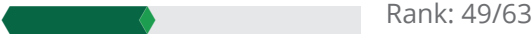
COPING CAPACITY (CC)

RANK: 30 / 63 PROVINCES
SCORE: 0.484

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



Economic Capacity

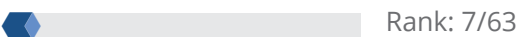


7.83	3,447	36.06	5.54	8.25
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



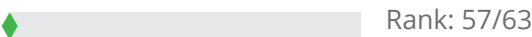
Governance



6.03	6.84	6.28
Law and Order*	Informal Charges*	Transparency*



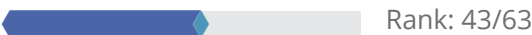
Environmental Capacity



0.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 48/63

98.4%	20.2	4.28	10.05	8.21
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 11/63

3,886	16.54
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 52/63

76.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 43 / 63 PROVINCES
SCORE: 0.506

Soc Trang's score and ranking are due to high Vulnerability combined with moderate Coping Capacity scores.

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



Information Access Vulnerability



Clean Water Access Vulnerability



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

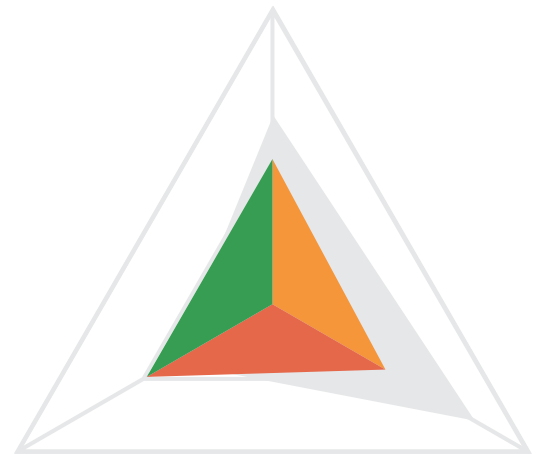
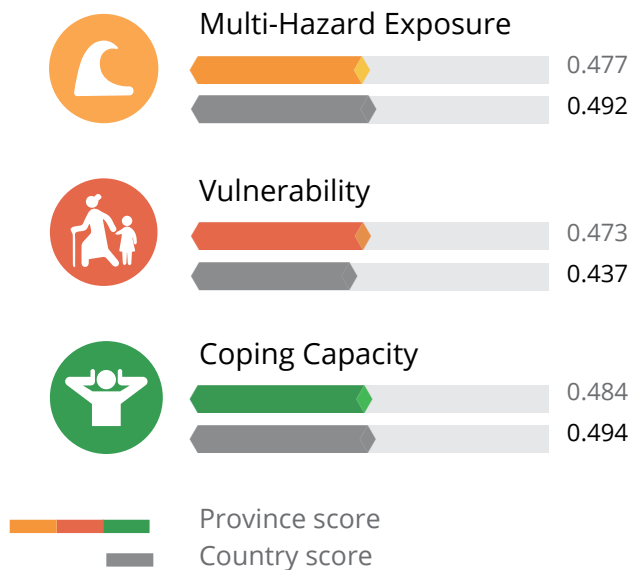
27 / 63

Rank within provinces
Score: 0.489



Soc Trang's score and ranking are due to moderate Multi-hazard exposure combined with high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

SON LA

NDPBA PROVINCE PROFILE

VIỆT NAM SON LA

CAPITAL: SƠN LA

Area: 16,317 km²

Son La is a mountainous province in the Northwestern region of Viet Nam, sharing a border with Laos to the south. Son La is home to 12 ethnic groups dominated by the Black and White Thai ethnic minorities. Son La Highland is most famous for its imposing Moc Chau Plateau, which is an ideal place for milk-cow breeding and tea and fruit planting. The province is also known for its hydropower potential and diverse mineral resources. Sơn La Dam, the largest hydroelectric power station in Southeast Asia is located in this province.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.609 • Rank: 2/63



RESILIENCE (R) - very low
Score: 0.433 • Rank: 56/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.694 • Rank: 7/63



VULNERABILITY (V) - very high
Score: 0.561 • Rank: 8/63



COPING CAPACITY (CC) - very low
Score: 0.428 • Rank: 53/63



Population (2017)
1,250,846



Population in Poverty
22.6%



Illiterate population
6.6%



Access to improved water
36.3%



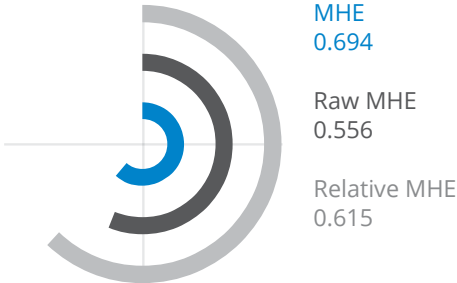
Average life expectancy
70.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 7 / 63 PROVINCES
SCORE: 0.694



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
8.0%
99754



Wildfire
60.3%
753797



Earthquake
96.8%
1210645



Landslide
5.1%
63437



Extreme Temperature
88.6%
1108514



Surge
0.0%
0



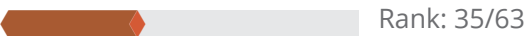
VULNERABILITY (V)

RANK: 8 / 63 PROVINCES
SCORE: 0.561

Vulnerability in Son La is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



-0.8% Forest Change
26.47 Livestock Density (per sq km)



Vulnerable Health Status



70.4 Life Expectancy (years)
22.9 Infant Mortality Rate (per 1,000 live births)
10.3% Acute Malnutrition (Children <5)
16.4 Tuberculosis Incidence (per 100,000 persons)
6.26 Malaria Prevalance (per 100,000 persons)
627.8 HIV Prevalance (per 100,000 persons)



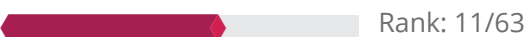
Clean Water Vulnerability



36.3% Households with Safe Water Access
35.4% Households with Hygienic Toilet Access



Information Access Vulnerability



6.6% Adult Illiteracy Rate
87.7% School Attendance Rate
91.0% Households without Internet
16.0% Housholds without TV



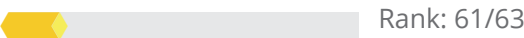
Economic Constraints



54.5 Economic Dependency Ratio
22.6% Poverty



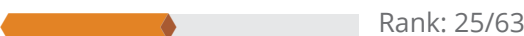
Gender Inequality



0.05 Income Inequality*
0.11 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.7% Average Annual Population Change
2.6% Average Annual Urban Population Change
2.4% Net Migration Rate



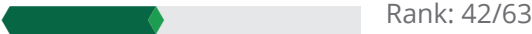
COPING CAPACITY (CC)

RANK: 53 / 63 PROVINCES
SCORE: 0.428

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



Economic Capacity



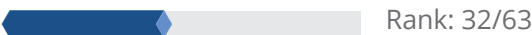
Rank: 42/63

5.89	4,988	12.82	6.43	7.41
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

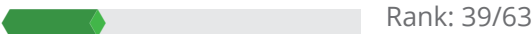


Rank: 32/63

5.94	5.4	6.41
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

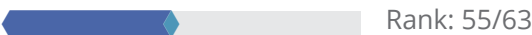


Rank: 39/63

5.1%
Protected Area



Infrastructure Capacity



Rank: 55/63



Health Care Capacity

Rank: 41/63

96.2%	29.96	5.69	12	15.78
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 51/63

1,366	54.1
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 54/63

75.1%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 56 / 63 PROVINCES
SCORE: 0.433

Son La's score and ranking are due to very high Vulnerability combined with very low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Economic Capacity



Transportation
Capacity



MULTI-HAZARD RISK

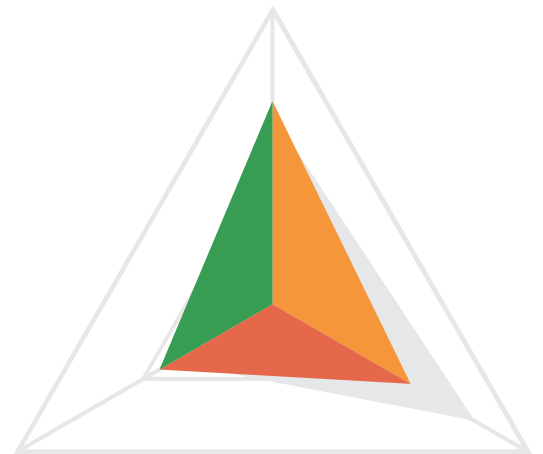
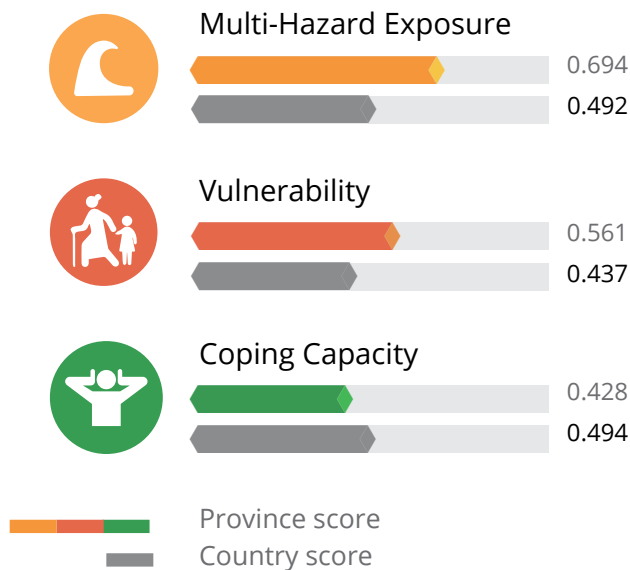
2 / 63

Rank within provinces
Score: 0.609



Son La's score and ranking are due to very high Multi-hazard exposure combined with very high Vulnerability and very low Coping Capacity scores.

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





VIỆT NAM

TAY NINH

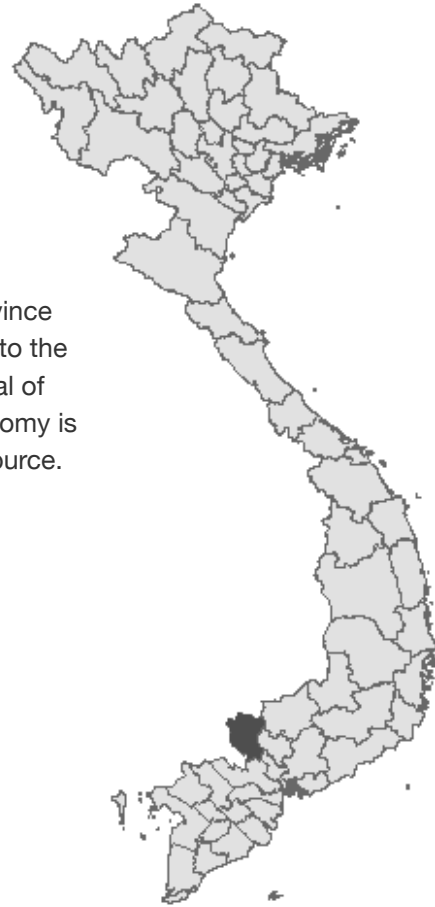
NDPBA PROVINCE PROFILE

VIỆT NAM TÂY NINH

CAPITAL: TÂY NINH

Area: 4,233 km²

Neighboring Ho Chi Minh city to the northeast, Tay Ninh is a province of Viet Nam's southeast region, sharing a border with Cambodia to the north. As a multi-ethnic province, Tay Ninh is known as the capital of the Cao Dai Sect. Beside international trade, the province's economy is based on agriculture and food processing for abundant land resource.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.511 • Rank: 23/63



RESILIENCE (R) - high
Score: 0.583 • Rank: 15/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.7 • Rank: 6/63



VULNERABILITY (V) - very low
Score: 0.347 • Rank: 56/63



COPING CAPACITY (CC) - high
Score: 0.514 • Rank: 20/63



Population (2017)
1,220,556



Population in Poverty
2.1%



Illiterate population
1.6%



Access to improved water
99.2%



Average life expectancy
74.40 years

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



MULTI-HAZARD EXPOSURE

RANK: 6 / 63 PROVINCES
SCORE: 0.7



MHE
0.7
Raw MHE
0.591
Relative MHE
0.741

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.9%
1231263



Flood
26.8%
327217



Wildfire
34.6%
422281



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1220556



Surge
0.0%
0



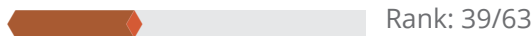
VULNERABILITY (V)

RANK: 56 / 63 PROVINCES
SCORE: 0.347

Vulnerability in Tay Ninh is primarily driven by Population Pressures and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



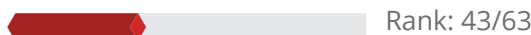
Environmental Stress



2.0% Forest Change
29.41 Livestock Density (per sq km)



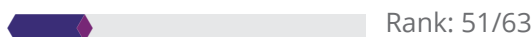
Vulnerable Health Status



74.4 Life Expectancy (years)
11.8 Infant Mortality Rate (per 1,000 live births)
5.4% Acute Malnutrition (Children <5)
102.1 Tuberculosis Incidence (per 100,000 persons)
8.88 Malaria Prevalance (per 100,000 persons)
236 HIV Prevalance (per 100,000 persons)



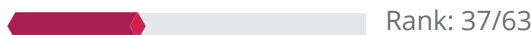
Clean Water Vulnerability



99.2% Households with Safe Water Access
79.5% Households with Hygienic Toilet Access



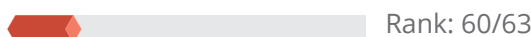
Information Access Vulnerability



1.6% Adult Illiteracy Rate
85.1% School Attendance Rate
86.0% Households without Internet
5.0% Housholds without TV



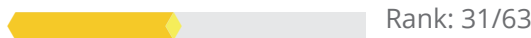
Economic Constraints



38.9 Economic Dependency Ratio
2.1% Poverty



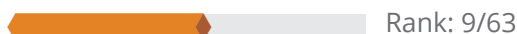
Gender Inequality



0.1 Income Inequality*
0.33 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
6.0% Average Annual Urban Population Change
4.2% Net Migration Rate



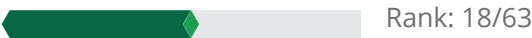
COPING CAPACITY (CC)

RANK: 20 / 63 PROVINCES
SCORE: 0.514

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



Economic Capacity



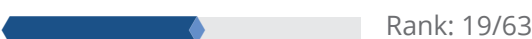
Rank: 18/63

7.48	4,024	49.06	6.61	7.42
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

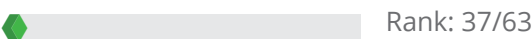


Rank: 19/63

5.43	6.13	6.29
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

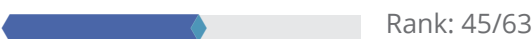


Rank: 37/63

6.2%
Protected Area



Infrastructure Capacity



Rank: 45/63



Health Care Capacity Rank: 57/63

98.0%	20.2	3.63	8.74	11.5
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 28/63

4,754	62.22
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 12/63

88.5%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 15 / 63 PROVINCES
SCORE: 0.583

Tay Ninh's score and ranking are due to very low Vulnerability combined with high Coping Capacity scores.

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



Population Pressures



Gender Inequality



Health Care Capacity



Economic Capacity



MULTI-HAZARD RISK

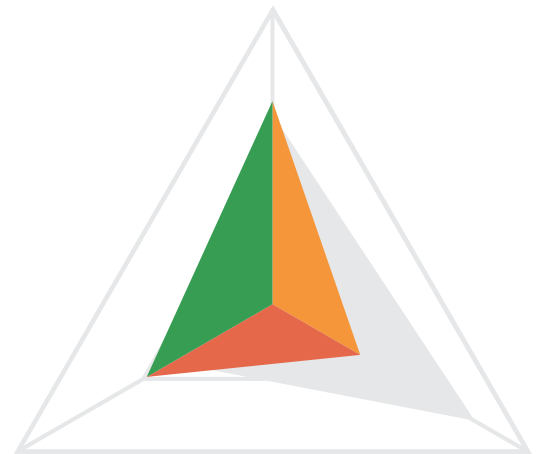
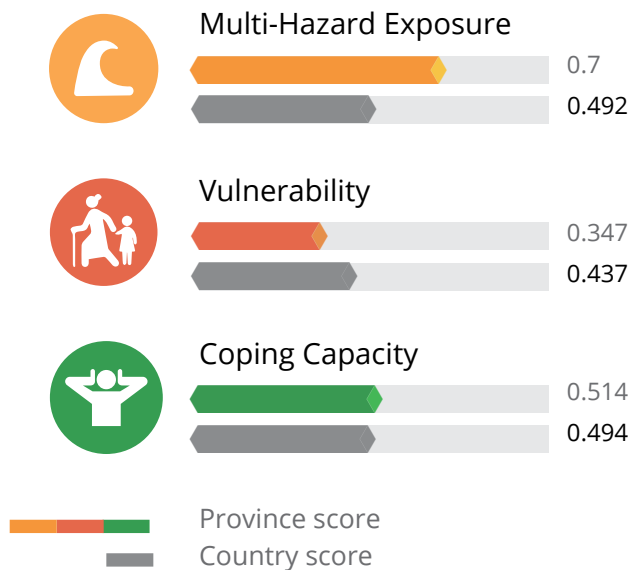
23 / 63

Rank within provinces
Score: 0.511



Tay Ninh's score and ranking are due to very high Multi-hazard exposure combined with very low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

THAI BINH

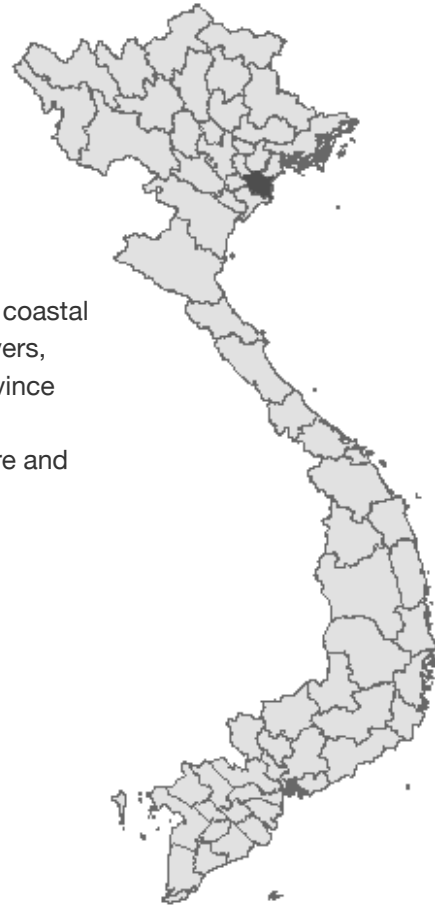
NDPBA PROVINCE PROFILE

VIỆT NAM THAI BINH

CAPITAL: THÁI BÌNH

Area: 1,830 km²

Located in the eastern part of the Red River Delta, Thai Binh is a coastal province. With three faces surrounded by Red, Luoc, and Hoa rivers, fertile soil and other natural advantages for growing rice, the province has become the main rice granary of the country. The province's economic activities also include traditional handicraft, aquaculture and manufacturing in eight industrial parks.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.503 • Rank: 25/63



RESILIENCE (R) - high
Score: 0.576 • Rank: 17/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.66 • Rank: 9/63



VULNERABILITY (V) - very low
Score: 0.326 • Rank: 59/63



COPING CAPACITY (CC) - moderate
Score: 0.478 • Rank: 33/63



Population (2017)
1,787,411



Population in Poverty
4.6%



Illiterate population
1.6%



Access to improved water
99.7%



Average life expectancy
75.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 9 / 63 PROVINCES
SCORE: 0.66



MHE
0.66
Raw MHE
0.706
Relative MHE
0.734

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1787225



Flood
24.3%
433955



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1787411



Surge
1.8%
32785



VULNERABILITY (V)

RANK: 59 / 63 PROVINCES
SCORE: 0.326

Vulnerability in Thai Binh is primarily driven by Environmental Stress and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



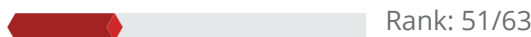
Environmental Stress



3.7% Forest Change
182.37 Livestock Density (per sq km)



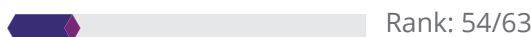
Vulnerable Health Status



75.1 Life Expectancy (years)
10.3 Infant Mortality Rate (per 1,000 live births)
6.6% Acute Malnutrition (Children <5)
41.2 Tuberculosis Incidence (per 100,000 persons)
1.12 Malaria Prevalance (per 100,000 persons)
213.4 HIV Prevalance (per 100,000 persons)



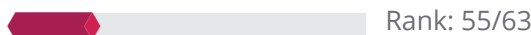
Clean Water Vulnerability



99.7% Households with Safe Water Access
78.9% Households with Hygienic Toilet Access



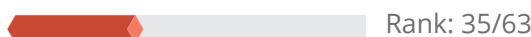
Information Access Vulnerability



1.6% Adult Illiteracy Rate
98.5% School Attendance Rate
91.0% Households without Internet
3.0% Housholds without TV



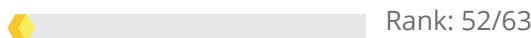
Economic Constraints



47.8 Economic Dependency Ratio
4.6% Poverty



Gender Inequality

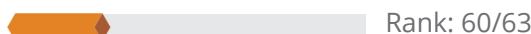


0.12 Income Inequality*
0.16 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



0.0% Average Annual Population Change
3.9% Average Annual Urban Population Change
1.4% Net Migration Rate



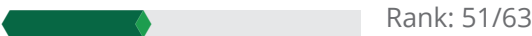
COPING CAPACITY (CC)

RANK: 33 / 63 PROVINCES
SCORE: 0.478

Thai Binh exhibits weaker Coping Capacity in the areas of Economic Capacity and Governance. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

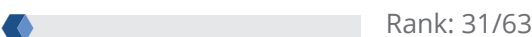


6.49	3,934	15.78	6.52	7.84
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



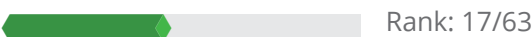
Governance



5.51	5.1	6.54
Law and Order*	Informal Charges*	Transparency*



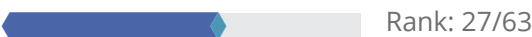
Environmental Capacity



15.6%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 17/63

99.0%	30.2	7.37	9.22	5.3
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 41/63

1,180	15.32
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 39/63

82.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 17 / 63 PROVINCES
SCORE: 0.576

Thai Binh's score and ranking are due to very low Vulnerability combined with moderate Coping Capacity scores.

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



Environmental Stress



Economic Constraints



Economic Capacity



Governance



MULTI-HAZARD RISK

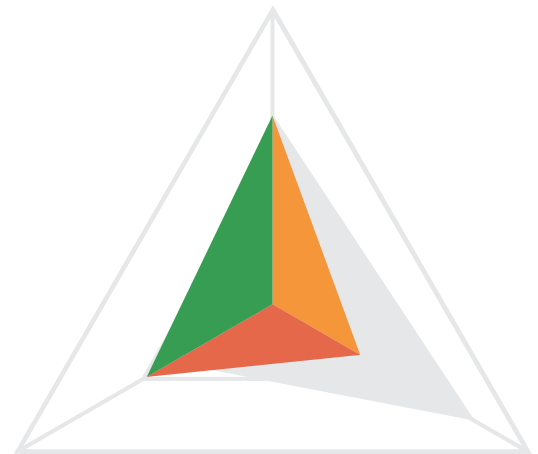
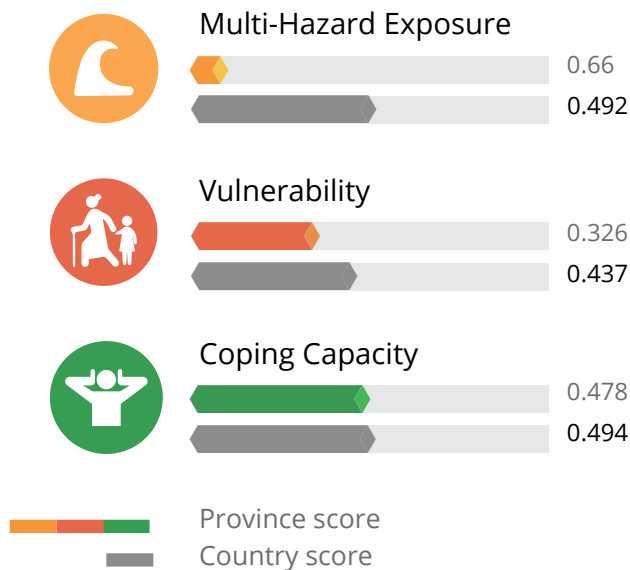
25 / 63

Rank within provinces
Score: 0.503



Thai Binh's score and ranking are due to very high Multi-hazard exposure combined with very low Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

THAI NGUYEN

NDPBA PROVINCE PROFILE

VIỆT NAM THAI NGUYEN

CAPITAL: THÁI NGUYÊN

Area: 4,101 km²

Neighboring Hanoi Capital to the north, Thai Nguyen is considered the gateway and center for the Northeastern region of Viet Nam. Thai Nguyên is home to the eight main ethnic groups, including Kinh, Tay, Nung, San Diu, H'Mong, San Chay, Dao, and Hoa people. With mountainous, midland terrain, the province has rich mineral resources and favorable natural conditions for industrial plants. Green tea is the province's most famous product in Viet Nam. Thai Nguyen is known as a former iron and steel industry center with seven industrial zones in operation attracting large manufacturing investors such as Samsung Electronics.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.433 • Rank: 47/63



RESILIENCE (R) - low
Score: 0.487 • Rank: 48/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.275 • Rank: 55/63



VULNERABILITY (V) - very high
Score: 0.509 • Rank: 10/63



COPING CAPACITY (CC) - moderate
Score: 0.483 • Rank: 31/63



Population (2017)
1,211,523



Population in Poverty
9.1%



Illiterate population
4.0%



Access to improved water
86.9%



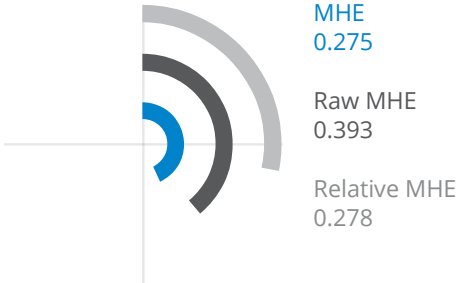
Average life expectancy
73.20 years

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



MULTI-HAZARD EXPOSURE

RANK: 55 / 63 PROVINCES
SCORE: 0.275



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
20.2%
244387



Wildfire
1.1%
13807



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1211523



Surge
0.0%
0



VULNERABILITY (V)

RANK: 10 / 63 PROVINCES
SCORE: 0.509

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



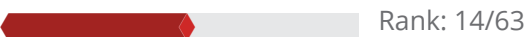
Environmental Stress



-17.4% Forest Change
60.98 Livestock Density (per sq km)



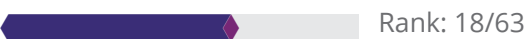
Vulnerable Health Status



73.2 Life Expectancy (years)
14.7 Infant Mortality Rate (per 1,000 live births)
9.1% Acute Malnutrition (Children <5)
34.6 Tuberculosis Incidence (per 100,000 persons)
58.78 Malaria Prevalance (per 100,000 persons)
640 HIV Prevalance (per 100,000 persons)



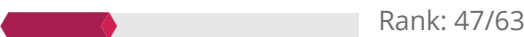
Clean Water Vulnerability



86.9% Households with Safe Water Access
50.7% Households with Hygienic Toilet Access



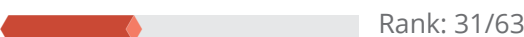
Information Access Vulnerability



4.0% Adult Illiteracy Rate
97.9% School Attendance Rate
80.0% Households without Internet
7.0% Housholds without TV



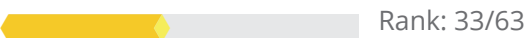
Economic Constraints



43.8 Economic Dependency Ratio
9.1% Poverty



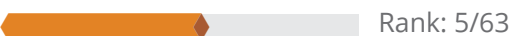
Gender Inequality



0.08 Income Inequality*
0.35 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.1% Average Annual Population Change
5.7% Average Annual Urban Population Change
3.7% Net Migration Rate



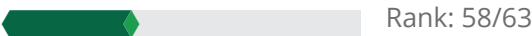
COPING CAPACITY (CC)

RANK: 31 / 63 PROVINCES
SCORE: 0.483

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



Economic Capacity

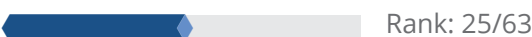


6.17	4,550	16.35	6	7.27
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



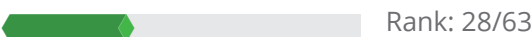
Governance



6.42	5.66	6.31
Law and Order*	Informal Charges*	Transparency*



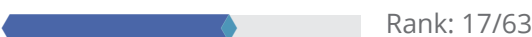
Environmental Capacity



9.0%
Protected Area



Infrastructure Capacity



Health Care Capacity Rank: 11/63

97.1%	35.38	7.73	16.42	8.78
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity Rank: 50/63

1,411	54.89
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity Rank: 16/63

87.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 48 / 63 PROVINCES
SCORE: 0.487

Thai Nguyen's score and ranking are due to very high Vulnerability combined with moderate Coping Capacity scores.

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



Environmental Stress



Clean Water Access Vulnerability



Economic Capacity



Transportation Capacity



MULTI-HAZARD RISK

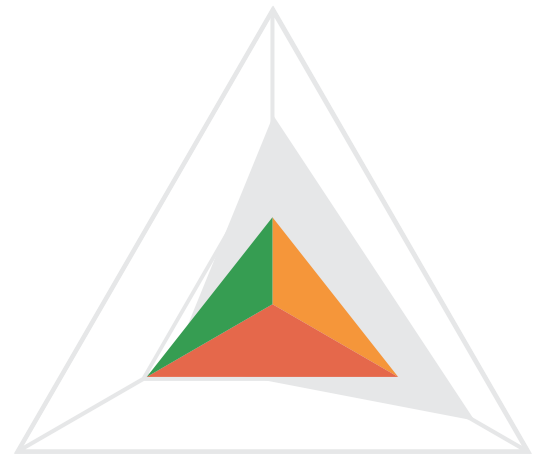
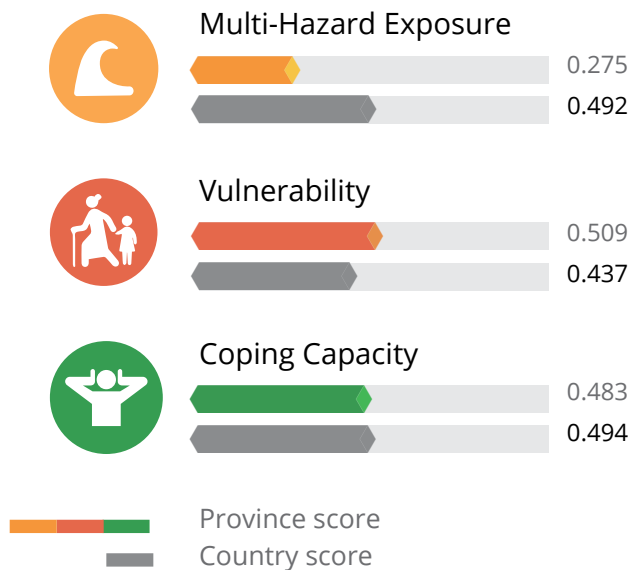
47 / 63

Rank within provinces
Score: 0.433



Thai Nguyen's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

THANH HOA

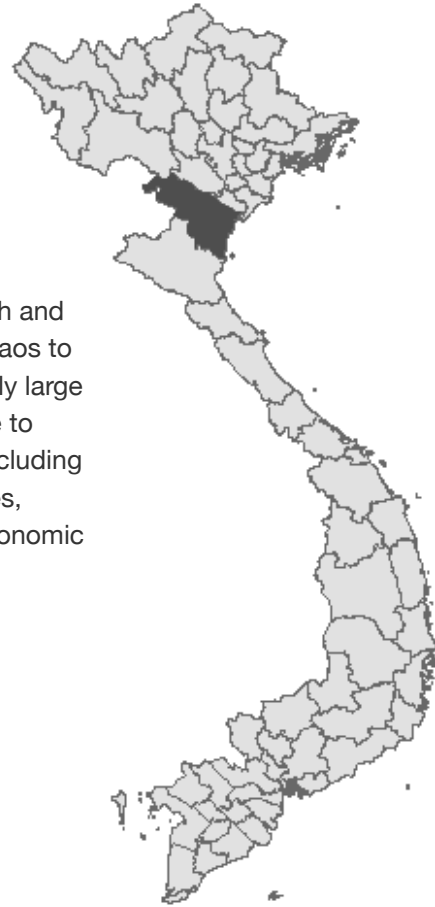
NDPBA PROVINCE PROFILE

VIỆT NAM THANH HOA

CAPITAL: THANH HÓA

Area: 12,642 km²

Thanh Hoa province is located in the transition between the North and North Central Coast regions of Viet Nam, sharing a border with Laos to the west and a long coastline to the east. Thanh Hoa is a relatively large province with a large population. The province is known as home to three ancient Viet Kingdoms. With abundant natural resources including mineral resources, plain area for agriculture and beautiful beaches, Thanh Hoa is vulnerable to floods and has not yet reached its economic potential.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very high
Score: 0.606 • Rank: 3/63



RESILIENCE (R) - moderate
Score: 0.515 • Rank: 38/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.849 • Rank: 1/63



VULNERABILITY (V) - high
Score: 0.439 • Rank: 25/63



COPING CAPACITY (CC) - low
Score: 0.469 • Rank: 39/63



Population (2017)
3,475,194



Population in Poverty
12.0%



Illiterate population
7.4%



Access to improved water
88.5%



Average life expectancy
73.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 1 / 63 PROVINCES
SCORE: 0.849



MHE
0.849
Raw MHE
0.942
Relative MHE
0.842

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
94.8%
3295850



Flood
28.8%
1000714



Wildfire
3.9%
134474



Earthquake
23.4%
812468



Landslide
4.2%
146291



Extreme Temperature
100.0%
3475194



Surge
0.1%
2480



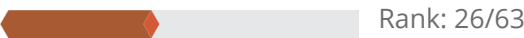
VULNERABILITY (V)

RANK: 25 / 63 PROVINCES
SCORE: 0.439

Vulnerability in Thanh Hoa is primarily driven by Clean Water Access Vulnerability and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



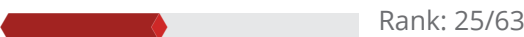
Environmental Stress



1.2% Forest Change
44.94 Livestock Density (per sq km)



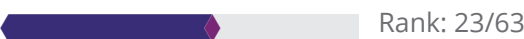
Vulnerable Health Status



73 Life Expectancy (years)
15.5 Infant Mortality Rate (per 1,000 live births)
7.1% Acute Malnutrition (Children <5)
43.4 Tuberculosis Incidence (per 100,000 persons)
27.37 Malaria Prevalance (per 100,000 persons)
157.1 HIV Prevalance (per 100,000 persons)



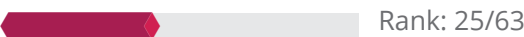
Clean Water Vulnerability



88.5% Households with Safe Water Access
56.4% Households with Hygienic Toilet Access



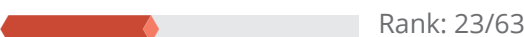
Information Access Vulnerability



7.4% Adult Illiteracy Rate
96.2% School Attendance Rate
91.0% Households without Internet
5.0% Housholds without TV



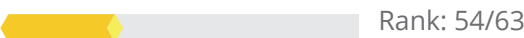
Economic Constraints



43.8 Economic Dependency Ratio
12.0% Poverty



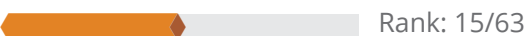
Gender Inequality



0.06 Income Inequality*
0.25 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.2% Average Annual Population Change
6.4% Average Annual Urban Population Change
5.4% Net Migration Rate



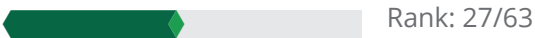
COPING CAPACITY (CC)

RANK: 39 / 63 PROVINCES
SCORE: 0.469

Thanh Hoa exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

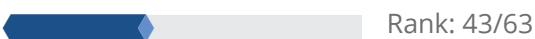


6.23	4,200	17.52	6.72	8.3
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



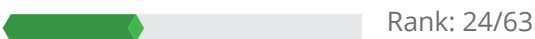
Governance



5.74	4.57	6.36
Law and Order*	Informal Charges*	Transparency*



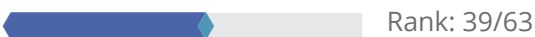
Environmental Capacity



10.4%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 25/63

99.1%	30.3	6.48	9.62	12.6
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 31/63

6,035	82.49
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 53/63

75.3%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 38 / 63 PROVINCES
SCORE: 0.515

Thanh Hoa's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Population
Pressures



Governance



Economic Capacity



MULTI-HAZARD RISK

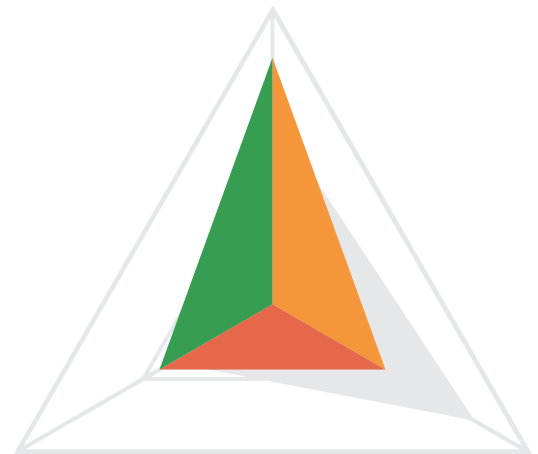
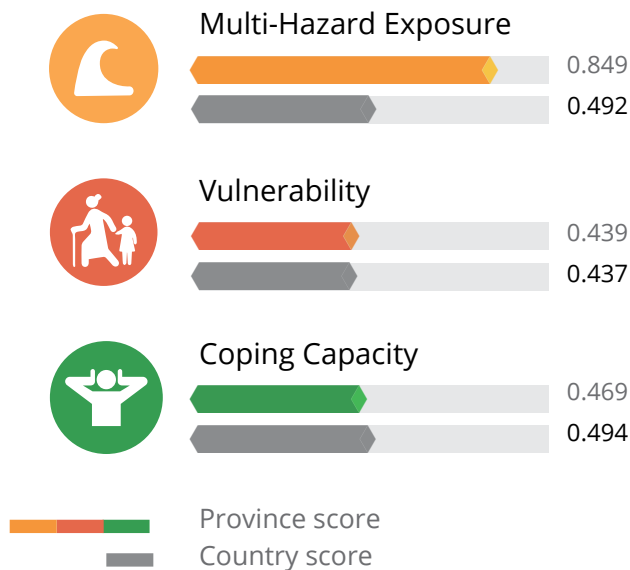


3 / 63

Rank within provinces
Score: 0.606

Thanh Hoa's score and ranking are due to very high Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

THUA THIEN HUE

NDPBA PROVINCE PROFILE

VIỆT NAM

THUA THIEN HUE

CAPITAL: HUẾ

Area: 5,234 km²

Thua Thien Hue is a province in the North Central Coast region of Viet Nam, sharing a border with Laos to the west and having a 128km-long coastline. The province's capital, Hue, is well-known as the former imperial city of the Nguyen dynasty (an UNESCO world heritage site). The province is rich in both historical cultures, beautiful natural landscapes and biodiversity. Thua Thien Hue's economic activities include forestry, agriculture, fishery, mining, tourism, hydropower, and industrial manufacturing in 11 industrial and economic zones.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - high
Score: 0.503 • Rank: 24/63



RESILIENCE (R) - high
Score: 0.567 • Rank: 19/63



MULTI-HAZARD EXPOSURE - very high
Score: 0.643 • Rank: 11/63



VULNERABILITY (V) - very low
Score: 0.363 • Rank: 52/63



COPING CAPACITY (CC) - high
Score: 0.497 • Rank: 24/63



Population (2017)
1,159,319



Population in Poverty
4.7%



Illiterate population
5.1%



Access to improved water
97.3%



Average life expectancy
71.30 years

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



MULTI-HAZARD EXPOSURE

RANK: 11 / 63 PROVINCES
SCORE: 0.643



MHE
0.643
Raw MHE
0.596
Relative MHE
0.81

ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1151608



Flood
42.9%
496840



Wildfire
0.6%
7162



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1159319



Surge
1.7%
20213



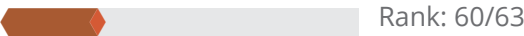
VULNERABILITY (V)

RANK: 52 / 63 PROVINCES
SCORE: 0.363

Vulnerability in Thua Thien Hue is primarily driven by Gender Inequality and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



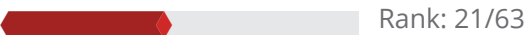
Environmental Stress



3.6% Forest Change
16.18 Livestock Density (per sq km)



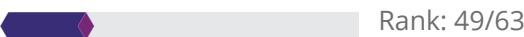
Vulnerable Health Status



71.3 Life Expectancy (years)
20 Infant Mortality Rate (per 1,000 live births)
5.8% Acute Malnutrition (Children <5)
56.1 Tuberculosis Incidence (per 100,000 persons)
9.1 Malaria Prevalance (per 100,000 persons)
64.2 HIV Prevalance (per 100,000 persons)



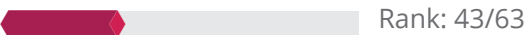
Clean Water Vulnerability



97.3% Households with Safe Water Access
88.2% Households with Hygienic Toilet Access



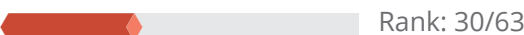
Information Access Vulnerability



5.1% Adult Illiteracy Rate
93.4% School Attendance Rate
75.0% Households without Internet
8.0% Housholds without TV



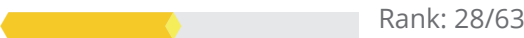
Economic Constraints



48.8 Economic Dependency Ratio
4.7% Poverty



Gender Inequality

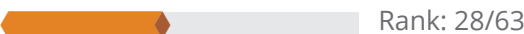


0.11 Income Inequality*
0.34 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



0.6% Average Annual Population Change
5.6% Average Annual Urban Population Change
1.0% Net Migration Rate



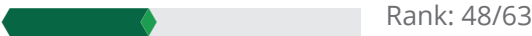
COPING CAPACITY (CC)

RANK: 24 / 63 PROVINCES
SCORE: 0.497

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



Economic Capacity



6.41	4,233	25.32	5.69	7.93
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



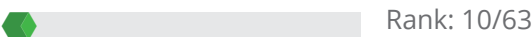
Governance



6	5.68	6.53
Law and Order*	Informal Charges*	Transparency*



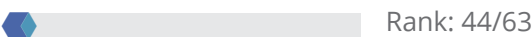
Environmental Capacity



23.8%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 52/63

98.6%	20.02	5.55	9.93	19.19
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 35/63

3,752	62.33
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 27/63

85.8%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 19 / 63 PROVINCES
SCORE: 0.567

Thua Thien Hue's score and ranking are due to very low Vulnerability combined with high Coping Capacity scores.

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



Gender Inequality



Population Pressures



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

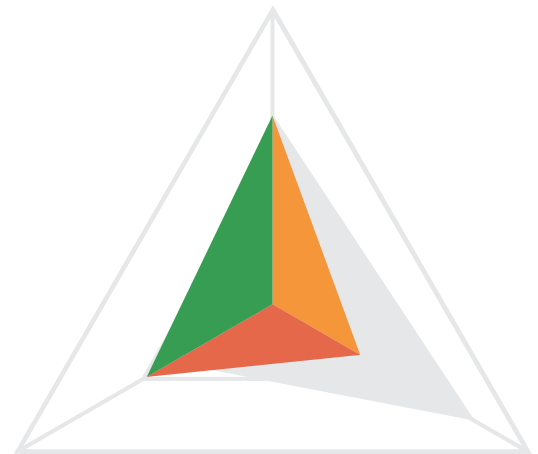
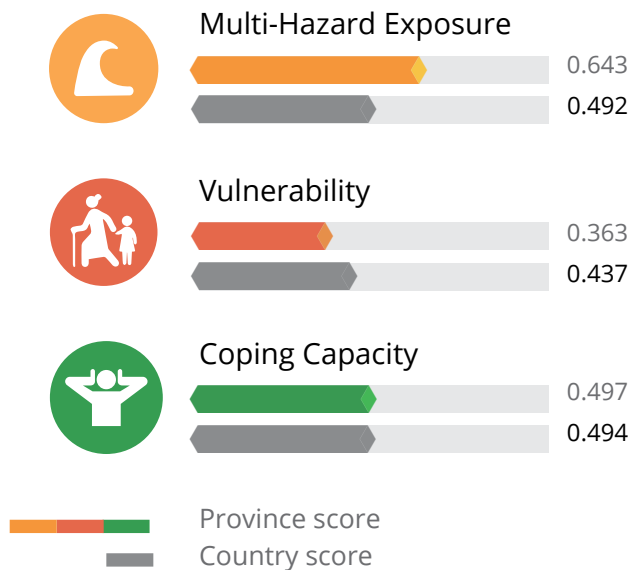
24 / 63

Rank within provinces
Score: 0.503



Thua Thien Hue's score and ranking are due to very high Multi-hazard exposure combined with very low Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

TIEN GIANG

NDPBA PROVINCE PROFILE

VIỆT NAM TIEN GIANG

CAPITAL: MỸ THO

Area: 2,488 km²

Tien Giang is a coastal province in the Mekong Delta region along the lower part of the Tien river. The province is considered a granary with the largest fruit producing area in the country. Tien Giang also has rich aquatic supply including freshwater fish, brackish fish, and saltwater fish. The service and industrial sector (in five large industrial parks) is growing in proportion in the province's economy.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.473 • Rank: 33/63



RESILIENCE (R) - moderate
Score: 0.516 • Rank: 36/63



MULTI-HAZARD EXPOSURE - low
Score: 0.453 • Rank: 40/63



VULNERABILITY (V) - low
Score: 0.402 • Rank: 42/63



COPING CAPACITY (CC) - low
Score: 0.434 • Rank: 49/63



Population (2017)
1,766,357



Population in Poverty
6.3%



Illiterate population
1.7%



Access to improved water
97.5%



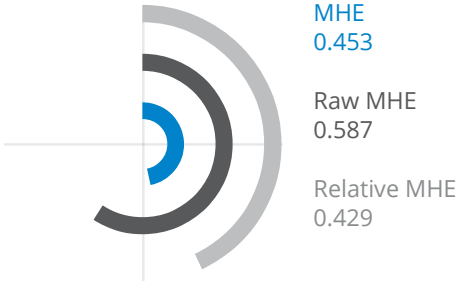
Average life expectancy
75.60 years

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



MULTI-HAZARD EXPOSURE

RANK: 40 / 63 PROVINCES
SCORE: 0.453



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1766330



Flood
55.3%
976018



Wildfire
1.6%
28118



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
0



Surge
0.0%
134



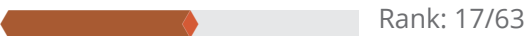
VULNERABILITY (V)

RANK: 42 / 63 PROVINCES
SCORE: 0.402

Vulnerability in Tien Giang is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



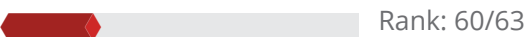
Environmental Stress



0.5% Forest Change
80.78 Livestock Density (per sq km)



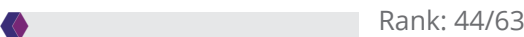
Vulnerable Health Status



75.6 Life Expectancy (years)
9.1 Infant Mortality Rate (per 1,000 live births)
6.6% Acute Malnutrition (Children <5)
62.3 Tuberculosis Incidence (per 100,000 persons)
0.58 Malaria Prevalance (per 100,000 persons)
83.3 HIV Prevalance (per 100,000 persons)



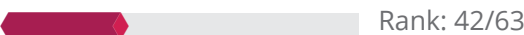
Clean Water Vulnerability



97.5% Households with Safe Water Access
71.0% Households with Hygienic Toilet Access



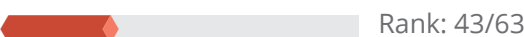
Information Access Vulnerability



1.7% Adult Illiteracy Rate
91.0% School Attendance Rate
89.0% Households without Internet
5.0% Housholds without TV



Economic Constraints



42.6 Economic Dependency Ratio
6.3% Poverty



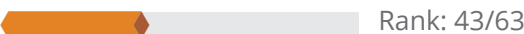
Gender Inequality



0.13 Income Inequality*
0.52 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
2.0% Average Annual Urban Population Change
4.6% Net Migration Rate



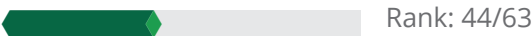
COPING CAPACITY (CC)

RANK: 49 / 63 PROVINCES
SCORE: 0.434

Tien Giang exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

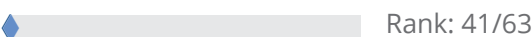


7.15	4,002	26.56	6.57	7.48
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



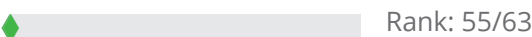
Governance



4.84	5.28	6.14
Law and Order*	Informal Charges*	Transparency*



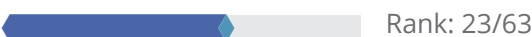
Environmental Capacity



0.0%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 43/63

98.3%	21.06	4.99	10.33	8.49
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 12/63

3,469	11.23
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 18/63

87.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 36 / 63 PROVINCES
SCORE: 0.516

Tien Giang's score and ranking are due to low Vulnerability combined with low Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Governance



Economic Capacity



MULTI-HAZARD RISK

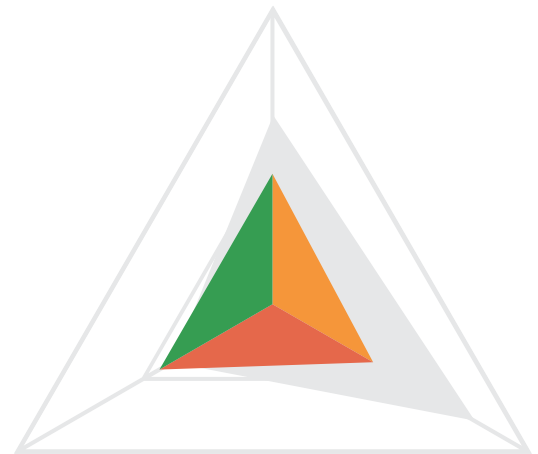
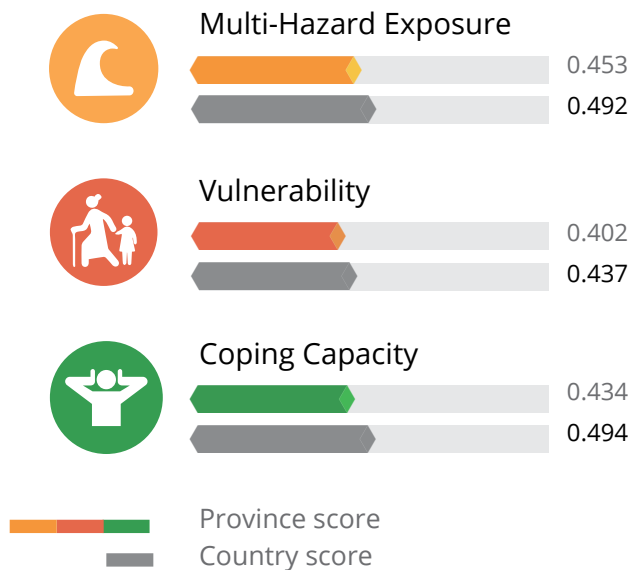


33 / 63

Rank within provinces
Score: 0.473

Tien Giang's score and ranking are due to low Multi-hazard exposure combined with low Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

TRA VINH

NDPBA PROVINCE PROFILE

VIỆT NAM TRA VINH

CAPITAL: TRÀ VINH

Area: 2,287 km²

Tra Vinh is a coastal province situated in the southeastern part of the Mekong Delta at the mouth of Hau and Co Chien rivers. The province is known for being the home of Khmer culture - about 29% of total population is Khmer Krom people. Moderate climate and fertile soil make Tra Vinh favorable for agriculture, aquaculture, fish and shrimp breeding.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.466 • Rank: 36/63



RESILIENCE (R) - very low
Score: 0.457 • Rank: 55/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.31 • Rank: 51/63



VULNERABILITY (V) - very high
Score: 0.561 • Rank: 7/63



COPING CAPACITY (CC) - moderate
Score: 0.474 • Rank: 36/63



Population (2017)
1,033,840



Population in Poverty
12.0%



Illiterate population
11.7%



Access to improved water
97.3%



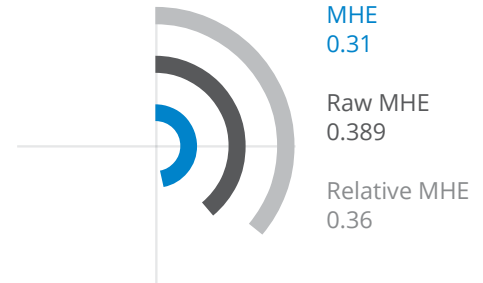
Average life expectancy
74.20 years

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

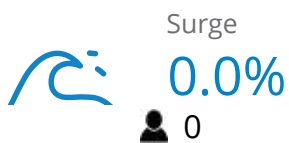
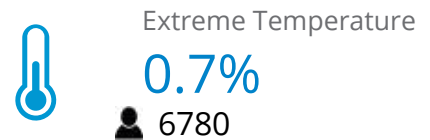
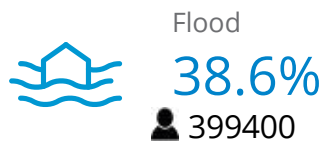


MULTI-HAZARD EXPOSURE

RANK: 51 / 63 PROVINCES
SCORE: 0.31



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:





VULNERABILITY (V)

RANK: 7 / 63 PROVINCES
SCORE: 0.561

Vulnerability in Tra Vinh is primarily driven by Gender Inequality and Environmental Stress. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



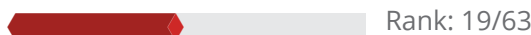
Environmental Stress



-14.7% Forest Change
75.12 Livestock Density (per sq km)



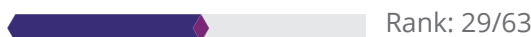
Vulnerable Health Status



74.2 Life Expectancy (years)
12.3 Infant Mortality Rate (per 1,000 live births)
11.2% Acute Malnutrition (Children <5)
68.6 Tuberculosis Incidence (per 100,000 persons)
0.78 Malaria Prevalance (per 100,000 persons)
94.7 HIV Prevalance (per 100,000 persons)



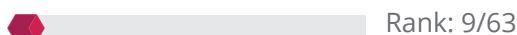
Clean Water Vulnerability



97.3% Households with Safe Water Access
43.8% Households with Hygienic Toilet Access



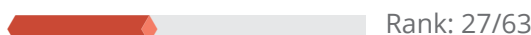
Information Access Vulnerability



11.7% Adult Illiteracy Rate
86.1% School Attendance Rate
91.0% Households without Internet
10.0% Housholds without TV



Economic Constraints



42.2 Economic Dependency Ratio
12.0% Poverty



Gender Inequality

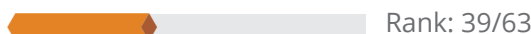


0.18 Income Inequality*
0.54 F M School Enrollment Rate*

*Values closer to 1 represent greater gender parity.



Population Pressures



0.5% Average Annual Population Change
3.0% Average Annual Urban Population Change
2.7% Net Migration Rate



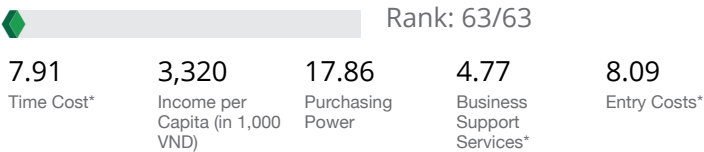
COPING CAPACITY (CC)

RANK: 36 / 63 PROVINCES
SCORE: 0.474

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



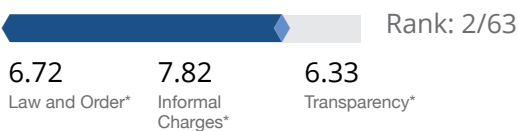
Economic Capacity



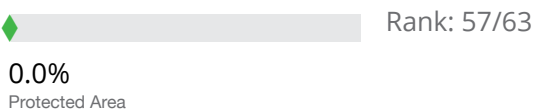
*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



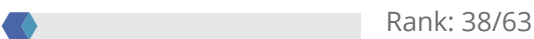
Governance



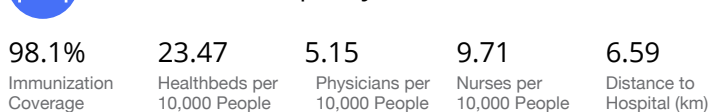
Environmental Capacity



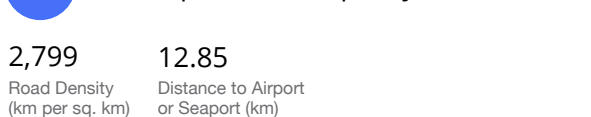
Infrastructure Capacity



Health Care Capacity



Transportation Capacity



Communications Capacity





RESILIENCE (R)

RANK: 55 / 63 PROVINCES
SCORE: 0.457

Tra Vinh's score and ranking are due to very high Vulnerability combined with moderate Coping Capacity scores.

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



Gender Inequality



Environmental Stress



Economic Capacity



Health Care Capacity



MULTI-HAZARD RISK

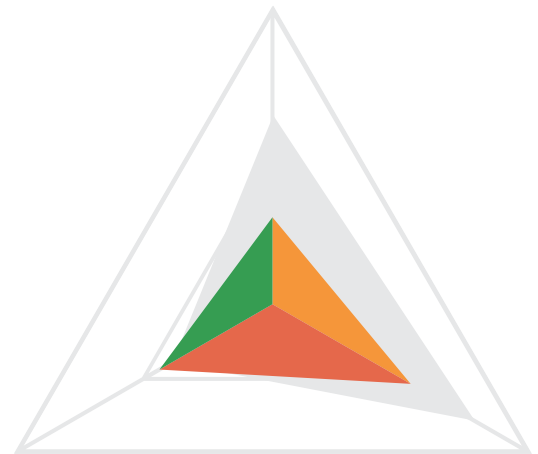
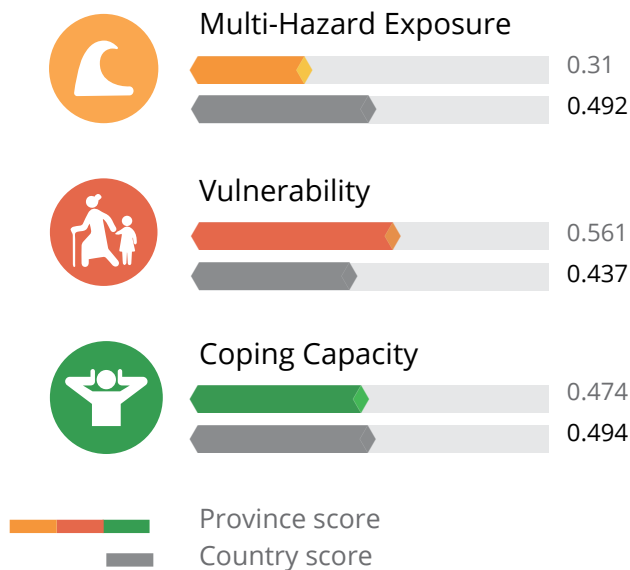
36 / 63

Rank within provinces
Score: 0.466



Tra Vinh's score and ranking are due to very low Multi-hazard exposure combined with very high Vulnerability and moderate Coping Capacity scores.

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





VIỆT NAM

TUYEN QUANG

NDPBA PROVINCE PROFILE

VIỆT NAM

TUYEN QUANG

CAPITAL: TUYÊN QUANG

Area: 6,866 km²

Tuyen Quang province is located in the Northeastern region of Viet Nam at the center of the Lo River valley. The province has widely varying topography covering high mountains, deep valleys, and an abundance of rivers, lakes and ponds. Tuyen Quang's economy is based on forestry, agriculture, fishery, mining, and primary industries. The province experiences cold winter with occasional mist, hoarfrost and is prone to cyclones and floods resulting from frequent intense rainstorms.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.425 • Rank: 48/63



RESILIENCE (R) - low
Score: 0.488 • Rank: 47/63



MULTI-HAZARD EXPOSURE - very low
Score: 0.252 • Rank: 57/63



VULNERABILITY (V) - high
Score: 0.457 • Rank: 18/63



COPING CAPACITY (CC) - low
Score: 0.433 • Rank: 50/63



Population (2017)
794,208



Population in Poverty
14.7%



Illiterate population
5.5%



Access to improved water
74.7%



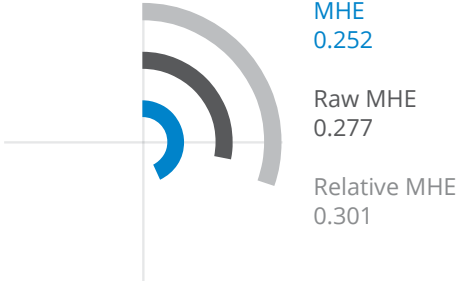
Average life expectancy
72.00 years

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



MULTI-HAZARD EXPOSURE

RANK: 57 / 63 PROVINCES
SCORE: 0.252



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
24.0%
190296



Wildfire
8.8%
70175



Earthquake
0.0%
0



Landslide
1.6%
13103



Extreme Temperature
100.0%
794208



Surge
0.0%
0



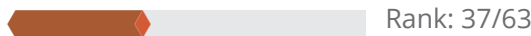
VULNERABILITY (V)

RANK: 18 / 63 PROVINCES
SCORE: 0.457

Vulnerability in Tuyen Quang is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



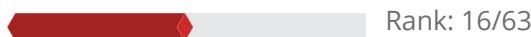
Environmental Stress



2.1% Forest Change
35.66 Livestock Density (per sq km)



Vulnerable Health Status



72 Life Expectancy (years)
18.6 Infant Mortality Rate (per 1,000 live births)
8.6% Acute Malnutrition (Children <5)
18.7 Tuberculosis Incidence (per 100,000 persons)
7.96 Malaria Prevalance (per 100,000 persons)
115.5 HIV Prevalance (per 100,000 persons)



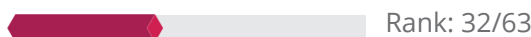
Clean Water Vulnerability



74.7% Households with Safe Water Access
38.9% Households with Hygienic Toilet Access



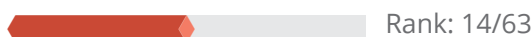
Information Access Vulnerability



5.5% Adult Illiteracy Rate
96.1% School Attendance Rate
90.0% Households without Internet
6.0% Housholds without TV



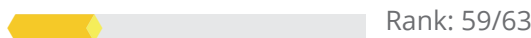
Economic Constraints



46.2 Economic Dependency Ratio
14.7% Poverty



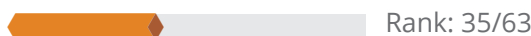
Gender Inequality



0.06 Income Inequality*
0.17 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.7% Average Annual Population Change
2.9% Average Annual Urban Population Change
2.4% Net Migration Rate



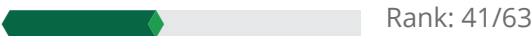
COPING CAPACITY (CC)

RANK: 50 / 63 PROVINCES
SCORE: 0.433

Tuyen Quang exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity

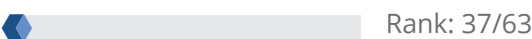


5.79	4,249	15.17	6.13	8.29
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



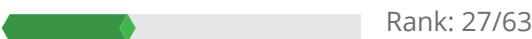
Governance



5.95	4.58	6.59
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



9.2%
Protected Area



Infrastructure Capacity



Health Care Capacity

Rank: 51/63

97.3%	29.25	5.86	7.18	14.33
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 49/63

1,484	55.82
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 35/63

83.7%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 47 / 63 PROVINCES
SCORE: 0.488

Tuyen Quang's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Economic
Constraints



Governance



Economic Capacity



MULTI-HAZARD RISK

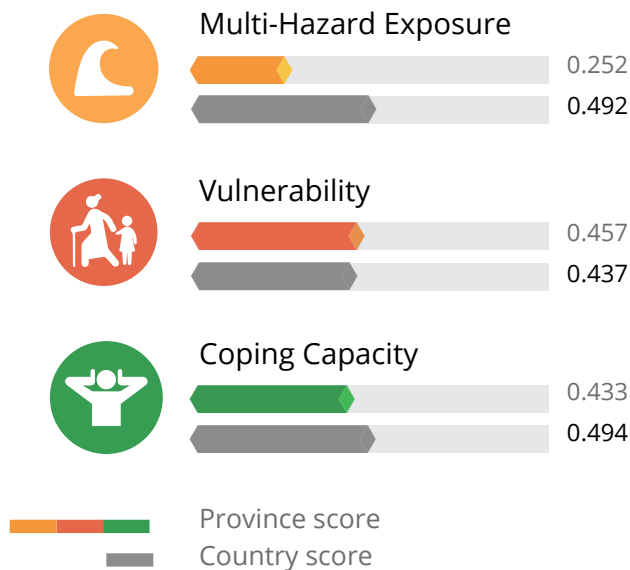
48 / 63

Rank within provinces
Score: 0.425



Tuyen Quang's score and ranking are due to very low Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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





VIỆT NAM

VINH LONG

NDPBA PROVINCE PROFILE

VIỆT NAM

VINH LONG

CAPITAL: VĨNH LONG

Area: 1,584 km²

Vinh Long province is located between the Hau and Tien rivers in center of the Mekong Delta. Vinh Long is home to about 20 ethnic groups, including Kinh, Khmer, Hoa, and Cham people. Flat terrain with rich alluvial soil and a complicated network of rivers and canals makes the province favorable for rice and fruits cultivation. Vinh Long is also well-known for fishing.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - moderate
Score: 0.464 • Rank: 37/63



RESILIENCE (R) - high
Score: 0.556 • Rank: 20/63



MULTI-HAZARD EXPOSURE - moderate
Score: 0.503 • Rank: 30/63



VULNERABILITY (V) - moderate
Score: 0.43 • Rank: 30/63



COPING CAPACITY (CC) - high
Score: 0.541 • Rank: 17/63



Population (2017)
1,079,952



Population in Poverty
5.4%



Illiterate population
6.3%



Access to improved water
70.0%



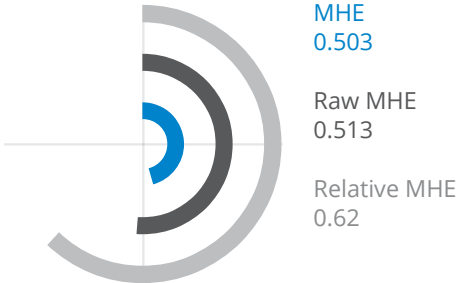
Average life expectancy
75.10 years

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



MULTI-HAZARD EXPOSURE

RANK: 30 / 63 PROVINCES
SCORE: 0.503



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
100.0%
1079952



Flood
99.7%
1076429



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
0.0%
12



Surge
0.0%
0



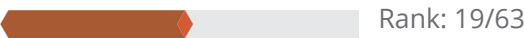
VULNERABILITY (V)

RANK: 30 / 63 PROVINCES
SCORE: 0.43

Vulnerability in Vinh Long is primarily driven by Clean Water Access Vulnerability and Gender Inequality. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



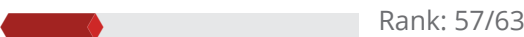
Environmental Stress



1.5% Forest Change
81.09 Livestock Density (per sq km)



Vulnerable Health Status



75.1 Life Expectancy (years)
10.1 Infant Mortality Rate (per 1,000 live births)
4.8% Acute Malnutrition (Children <5)
80.9 Tuberculosis Incidence (per 100,000 persons)
0.48 Malaria Prevalance (per 100,000 persons)
216.5 HIV Prevalance (per 100,000 persons)



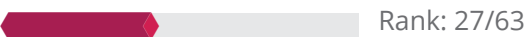
Clean Water Vulnerability



70.0% Households with Safe Water Access
57.3% Households with Hygienic Toilet Access



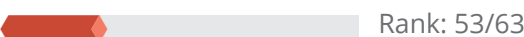
Information Access Vulnerability



6.3% Adult Illiteracy Rate
92.3% School Attendance Rate
84.0% Households without Internet
7.0% Housholds without TV



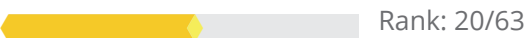
Economic Constraints



41.4 Economic Dependency Ratio
5.4% Poverty



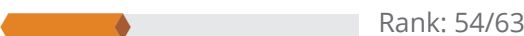
Gender Inequality



0.18 Income Inequality*
0.27 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.2% Average Annual Population Change
1.6% Average Annual Urban Population Change
5.2% Net Migration Rate



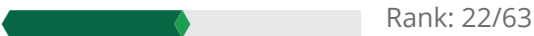
COPING CAPACITY (CC)

RANK: 17 / 63 PROVINCES
SCORE: 0.541

Vinh Long exhibits weaker Coping Capacity in the areas of Environmental Capacity and Economic Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



Economic Capacity



Rank: 22/63

7.4	3,441	32.83	6.73	8.47
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

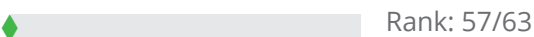


Rank: 5/63

7.08	6.64	6.06
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

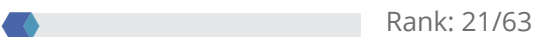


Rank: 57/63

0.0%
Protected Area



Infrastructure Capacity



Rank: 21/63



Health Care Capacity

Rank: 33/63

98.3%	21.99	5.72	10.28	6.72
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 25/63

2,311	9.85
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 14/63

88.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 20 / 63 PROVINCES
SCORE: 0.556

Vinh Long's score and ranking are due to moderate Vulnerability combined with high Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Gender Inequality



Environmental
Capacity



Economic Capacity



MULTI-HAZARD RISK

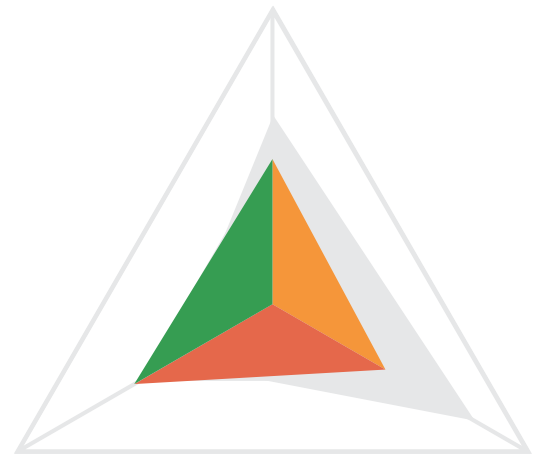
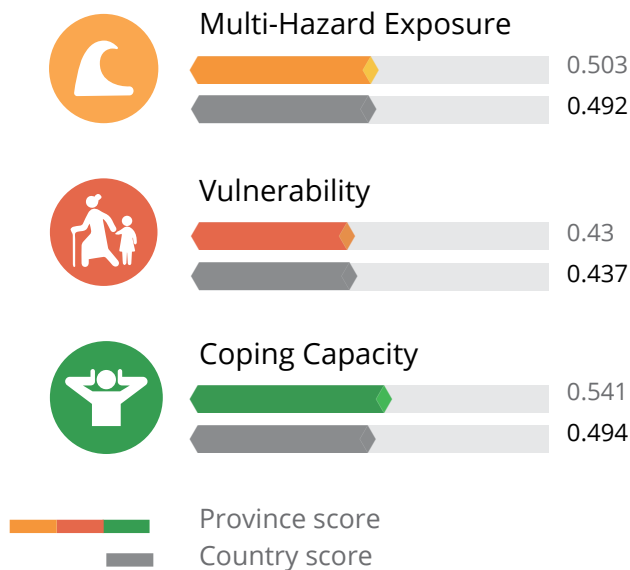
37 / 63

Rank within provinces
Score: 0.464



Vinh Long's score and ranking are due to moderate Multi-hazard exposure combined with moderate Vulnerability and high Coping Capacity scores.

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





VIỆT NAM

VINH PHUC

NDPBA PROVINCE PROFILE

VIỆT NAM VINH PHUC

CAPITAL: VĨNH YÊN

Area: 1,509 km²

Neighboring Hanoi capital to the north, Vinh Phuc province is located in the transition area between midland mound, hill area, and the Red River Delta in northern Viet Nam. There are seven ethnic groups living together in the province as Kinh, San Diu, Dao, Cao Lan, and Muong. Vinh Phuc is one of the most industrialized provinces in Viet Nam, attracting major car makers such as Honda, Toyota, Nissan, and other manufacturing investors in 20 industrial parks.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - very low
Score: 0.398 • Rank: 54/63



RESILIENCE (R) - high
Score: 0.577 • Rank: 16/63



MULTI-HAZARD EXPOSURE - low
Score: 0.349 • Rank: 47/63



VULNERABILITY (V) - moderate
Score: 0.421 • Rank: 34/63



COPING CAPACITY (CC) - very high
Score: 0.576 • Rank: 10/63



Population (2017)
1,099,692



Population in Poverty
3.7%



Illiterate population
2.2%



Access to improved water
94.9%



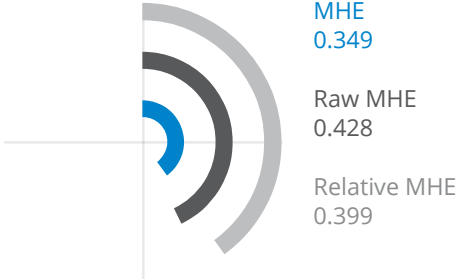
Average life expectancy
73.90 years

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



MULTI-HAZARD EXPOSURE

RANK: 47 / 63 PROVINCES
SCORE: 0.349



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
48.3%
531439



Wildfire
0.0%
0



Earthquake
0.0%
0



Landslide
0.0%
0



Extreme Temperature
100.0%
1099692



Surge
0.0%
0



VULNERABILITY (V)

RANK: 34 / 63 PROVINCES
SCORE: 0.421

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



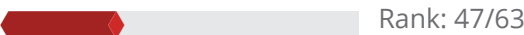
Environmental Stress



4.1% Forest Change
173.53 Livestock Density (per sq km)



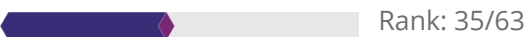
Vulnerable Health Status



73.9 Life Expectancy (years)
12.9 Infant Mortality Rate (per 1,000 live births)
5.2% Acute Malnutrition (Children <5)
5.9 Tuberculosis Incidence (per 100,000 persons)
76.59 Malaria Prevalance (per 100,000 persons)
115.9 HIV Prevalance (per 100,000 persons)



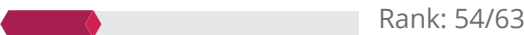
Clean Water Vulnerability



94.9% Households with Safe Water Access
63.6% Households with Hygienic Toilet Access



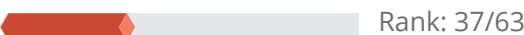
Information Access Vulnerability



2.2% Adult Illiteracy Rate
98.0% School Attendance Rate
84.0% Households without Internet
5.0% Housholds without TV



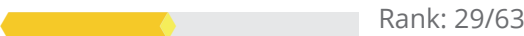
Economic Constraints



48.5 Economic Dependency Ratio
3.7% Poverty



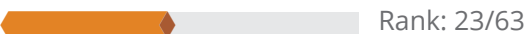
Gender Inequality



0.1 Income Inequality*
0.33 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



0.9% Average Annual Population Change
4.8% Average Annual Urban Population Change
1.4% Net Migration Rate



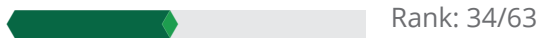
COPING CAPACITY (CC)

RANK: 10 / 63 PROVINCES
SCORE: 0.576

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



Economic Capacity



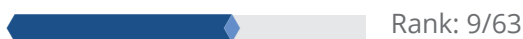
Rank: 34/63

7.27	4,332	30.45	6.81	7.1
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

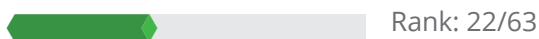


Rank: 9/63

6.28	6.05	6.59
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity



Rank: 22/63

12.0%
Protected Area



Infrastructure Capacity



Rank: 5/63



Health Care Capacity

Rank: 3/63

98.5%	39.35	7.88	14.96	5.79
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 36/63

1,631	23.56
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 19/63

87.4%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 16 / 63 PROVINCES
SCORE: 0.577

Vinh Phuc's score and ranking are due to moderate Vulnerability combined with very high Coping Capacity scores.

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



Environmental Stress



Population Pressures



Economic Capacity



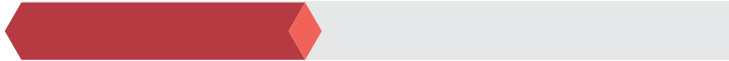
Transportation Capacity



MULTI-HAZARD RISK

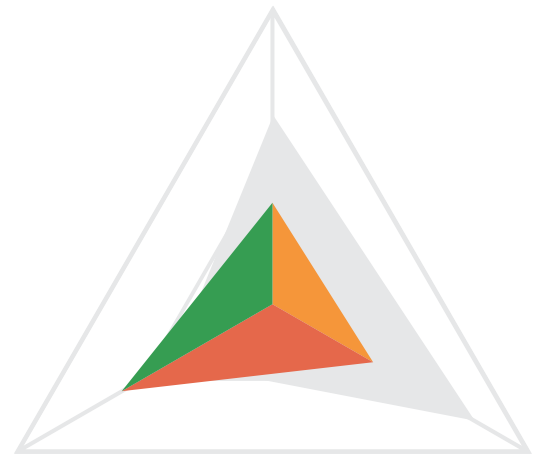
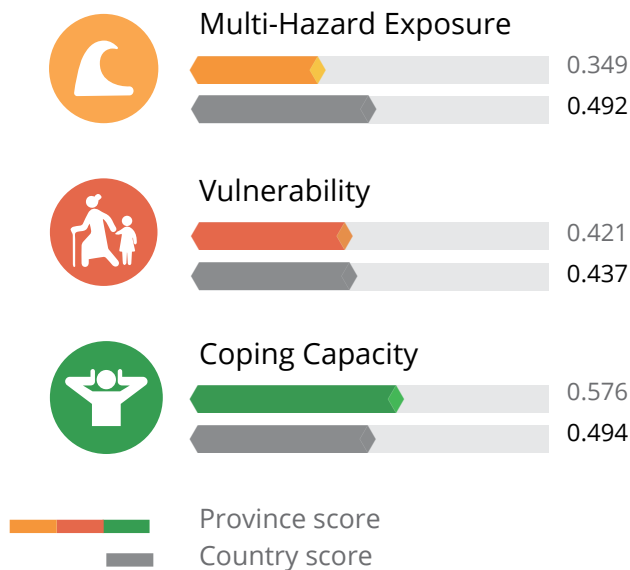
54 / 63

Rank within provinces
Score: 0.398



Vinh Phuc's score and ranking are due to low Multi-hazard exposure combined with moderate Vulnerability and very high Coping Capacity scores.

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





VIỆT NAM

YEN BAI

NDPBA PROVINCE PROFILE

VIỆT NAM YEN BAI

CAPITAL: YÊN BÁI

Area: 8,030 km²

Yen Bai is a mountainous province located in the northwestern Viet Nam, part of the Hoang Lien Son mountain range and the Red and Chay rivers systems. Forestry and farming are the main economic activities of the region. Thac Ba is a well-known artificial lake contributing to ecological tourism, water resources, and hydropower development. Yen Bai is home to about 30 ethnic groups, including Kinh, Dao, Tay, and H'Mong people. The province is vulnerable to floods and landslides caused by frequent typhoons and heavy rains.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK - low
Score: 0.455 • Rank: 41/63



RESILIENCE (R) - low
Score: 0.487 • Rank: 49/63



MULTI-HAZARD EXPOSURE - low
Score: 0.338 • Rank: 49/63



VULNERABILITY (V) - high
Score: 0.474 • Rank: 14/63



COPING CAPACITY (CC) - low
Score: 0.449 • Rank: 43/63



Population (2017)
817,558



Population in Poverty
19.7%



Illiterate population
11.0%



Access to improved water
59.6%



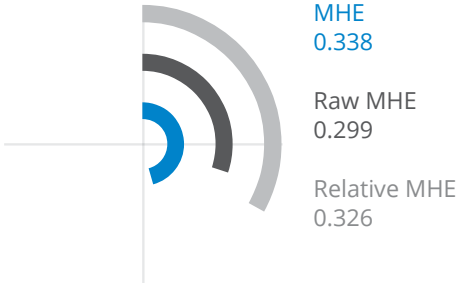
Average life expectancy
68.80 years

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



MULTI-HAZARD EXPOSURE

RANK: 49 / 63 PROVINCES
SCORE: 0.338



ESTIMATED POPULATION EXPOSED TO EACH HAZARD:



Typhoon Wind
0.0%
0



Flood
16.1%
131250



Wildfire
28.5%
233155



Earthquake
1.7%
13993



Landslide
18.9%
154226



Extreme Temperature
94.7%
774412



Surge
0.0%
0



VULNERABILITY (V)

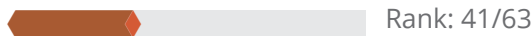
RANK: 14 / 63 PROVINCES

SCORE: 0.474

Vulnerability in Yen Bai is primarily driven by Clean Water Access Vulnerability and Vulnerable Health Status. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress



2.3% Forest Change
29.17 Livestock Density (per sq km)



Vulnerable Health Status



68.8 Life Expectancy (years)
26.9 Infant Mortality Rate (per 1,000 live births)
9.8% Acute Malnutrition (Children <5)
19.6 Tuberculosis Incidence (per 100,000 persons)
18.82 Malaria Prevalance (per 100,000 persons)
486.5 HIV Prevalance (per 100,000 persons)



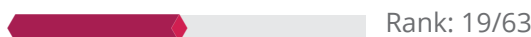
Clean Water Vulnerability



59.6% Households with Safe Water Access
53.6% Households with Hygienic Toilet Access



Information Access Vulnerability



11.0% Adult Illiteracy Rate
92.5% School Attendance Rate
86.0% Households without Internet
7.0% Housholds without TV



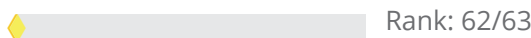
Economic Constraints



50.1 Economic Dependency Ratio
19.7% Poverty



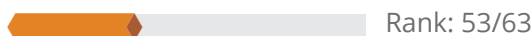
Gender Inequality



0 Income Inequality*
0.11 F M School Enrollment Rate*
*Values closer to 1 represent greater gender parity.



Population Pressures



1.0% Average Annual Population Change
1.4% Average Annual Urban Population Change
1.1% Net Migration Rate



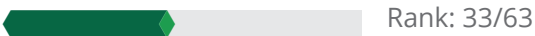
COPING CAPACITY (CC)

RANK: 43 / 63 PROVINCES
SCORE: 0.449

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



Economic Capacity



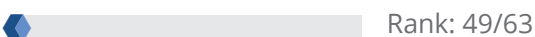
Rank: 33/63

5.89	4,527	14.33	6.94	7.65
Time Cost*	Income per Capita (in 1,000 VND)	Purchasing Power	Business Support Services*	Entry Costs*

*Values represent a sub-index score where 1 is considered low (poor) and 10 is considered high (good).



Governance

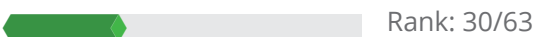


Rank: 49/63

6.17	4.31	6.16
Law and Order*	Informal Charges*	Transparency*



Environmental Capacity

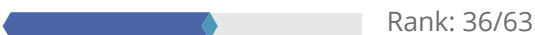


Rank: 30/63

7.7%
Protected Area



Infrastructure Capacity



Rank: 36/63



Health Care Capacity

Rank: 10/63

98.8%	37.36	7.43	15.8	17.16
Immunization Coverage	Healthbeds per 10,000 People	Physicians per 10,000 People	Nurses per 10,000 People	Distance to Hospital (km)



Transportation Capacity

Rank: 57/63

1,554	87.06
Road Density (km per sq. km)	Distance to Airport or Seaport (km)



Communications Capacity

Rank: 42/63

81.6%
Households with Phone Access (Landline/Mobile)



RESILIENCE (R)

RANK: 49 / 63 PROVINCES
SCORE: 0.487

Yen Bai's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Clean Water
Access
Vulnerability



Vulnerable Health
Status



Transportation
Capacity



Governance



MULTI-HAZARD RISK



41 / 63

Rank within provinces
Score: 0.455

Yen Bai's score and ranking are due to low Multi-hazard exposure combined with high Vulnerability and low Coping Capacity scores.

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

