



NEPAL

PANCHTHAR

NDPBA SUBNATIONAL PROFILE

NEPAL PANCHTHAR

Area: 1,241 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low

Score: 0.480 • Rank: 61/77



RESILIENCE (R) - Moderate

Score: 0.483 • Rank: 42/77



MULTI-HAZARD EXPOSURE (MHE) - Low

Score: 0.406 • Rank: 59/77



VULNERABILITY (V) - Low

Score: 0.385 • Rank: 55/77



COPING CAPACITY (CC) - Low

Score: 0.351 • Rank: 59/77



Population (2021 Statistical Yearbook)

174,419



Infant Mortality Rate (per 1,000 live births)

49.6



Population below Poverty Line

11.4%



Population with Safe Drinking Water

73.2%



Adult Literacy

66.9%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 59 / 77 DISTRICTS
SCORE: 0.406



MHE
0.406

Raw MHE
0.451

Relative MHE
0.361

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

173,887

\$379.45 Million

Critical Infrastructure Exposed:
100%



Landslide

100%

173,707

\$379.45 Million

Critical Infrastructure Exposed:
100%



Extreme Heat

0%

0

\$0

Critical Infrastructure Exposed:
0%



Wildfire

13%

22,076

\$84.44 Million

Critical Infrastructure Exposed:
22%



Fluvial Flood

<1%

236

-

Critical Infrastructure Exposed:
-



Pluvial Flood

1%

1,680

\$10.57 Million

Critical Infrastructure Exposed:
3%

NOTE: Population exposure values for Nepal districts are estimated using PDC's AIM model. Values may differ from Census population estimates.



VULNERABILITY (V)

RANK: 55 / 77 DISTRICTS ASSESSED
SCORE: 0.385

Vulnerability in Panchthar is primarily driven by Food Insecurity and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0 1 **SCORE: 0.387** **RANK: 60/77 DISTRICTS ASSESSED**

66.9% Adult Literacy	4.21 Mean Years of Schooling	96.7 Primary School Net Enrollment	16.78 Student Teacher Ratio
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Access to Clean Water Vulnerability

0 1 **SCORE: 0.276** **RANK: 68/77 DISTRICTS ASSESSED**

73.2% Access to Safe Drinking Water	11.8% Households without Toilet	40.6% Water Schemes in Disrepair	79.4 Typhoid Incidence (per 10,000)	0.0 Cholera Incidence (per 100,000)
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Economic Constraints

0 1 **SCORE: 0.359** **RANK: 62/77 DISTRICTS ASSESSED**

\$1,082 Income per Capita (PPP \$)	11.4% Poverty Headcount Ratio	1.9% Poverty Gap	77.4 Age Dependency Ratio
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Food Insecurity

0 1 **SCORE: 0.508** **RANK: 30/77 DISTRICTS ASSESSED**

24.0% Food Poverty Prevalence	33.6% Low kcal Intake Prevalence	72.5% Agricultural Insufficiency Rate
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Gender Inequality

0 1 **SCORE: 0.294** **RANK: 53/77 DISTRICTS ASSESSED**

0.25 Female to Male Literacy Ratio (Distance from Parity)	0.05 Female to Male Secondary Enrollment Ratio (Distance from Parity)	83.7% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 55 / 77 DISTRICTS ASSESSED
SCORE: 0.385

Vulnerability in Panchthar is primarily driven by Food Insecurity and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.489** **RANK: 21/77 DISTRICTS ASSESSED**

66.2
Life
Expectancy

2.6%
Disabled
Population



Child Health

0  1 **SCORE: 0.618** **RANK: 13/77 DISTRICTS ASSESSED**

56.9%
Child
Malnutrition
Rate

49.6
Infant Mortality
Rate (per
1,000 live
births)

1024.1
Child ARI
Incidence (per
1,000)

36.8
Child Diarrhea
Incidence (per
100)

151.2
Child
Pneumonia
Incidence (per
1,000)



COPING CAPACITY (CC)

RANK: 59 / 77 DISTRICTS ASSESSED
SCORE: 0.351

Panchthar exhibits weaker Coping Capacity in the areas of Energy Capacity and Communications Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0  1 **SCORE: 0.261** **RANK: 42/77 DISTRICTS ASSESSED**

8,414 **97,887**
Gross Domestic Product (Million Rs.) Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.398** **RANK: 58/77 DISTRICTS ASSESSED**

0.22 Average Annual Conflict (per 10,000)	6.5 Government Management (Score out of 9)	3.5 Organization and Administration (Score out of 8)	5.03 Budget and Plan Management (Score out of 11)	6.44 Fiscal and Financial Management (Score out of 11)	8.22 Service Flow (Score out of 16)	4.53 Judicial Work (Score out of 7)	3.44 Physical Infrastructure (Score out of 13)
3.69 Social Inclusion (Score out of 10)	3.41 Environmental Protection and Disaster Management (Score out of 9)	1.59 Cooperation and Coordination (Score out of 6)					



Environmental Capacity

0  1 **SCORE: 0.000** **RANK: 49/77 DISTRICTS ASSESSED**

0.0%
Protected Area



COPING CAPACITY (CC)

RANK: 59 / 77 DISTRICTS ASSESSED
SCORE: 0.351

Panchthar exhibits weaker Coping Capacity in the areas of Energy Capacity and Communications Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Infrastructure Capacity

0  1 **SCORE: 0.450** **RANK: 48/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.428** **RANK: 42/77 DISTRICTS ASSESSED**

2.3% Households with Landline	0.6% Households with Internet	11.6% Households with Television	63.8% Households with Radio	59.2% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.614** **RANK: 21/77 DISTRICTS ASSESSED**

18 Road Density (km per sq. km)	52.9% Improved Roadway	15.7 Average Distance to Airport (km)	75.0 Average Distance to Dry Port (km)	15.7 Average Distance to Warehouse (km)	10.8 Average Distance to Police Station (km)	14.2 Average Distance to Hospital (km)	2.01 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.307** **RANK: 56 /77 DISTRICTS ASSESSED**

27.9% Households with Electricity	5.8% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 42 / 77 DISTRICTS ASSESSED
SCORE: 0.483

Panchthar'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:



Food Insecurity



Vulnerable Health Status



Energy Capacity



Communications Capacity

KEY FACTORS INFLUENCING RESILIENCE



Food Insecurity

The changing frequency and intensity of disasters can expose the entire food system to supply chain disruptions. Promoting resilient agricultural systems through training of local farmers in sustainable practices (e.g., soil improvement, erosion reduction) and improving efficiencies in food marketing, storage, delivery, and waste management will help to increase the nutrition and food security of present and future generations.



Vulnerable Health Status

A population with a compromised health status will have a greatly reduced ability to manage short- and long-term disaster outcomes. Improving health is often correlated with decreased susceptibility to injury, disease, and stress associated with disasters. Acute or prolonged vulnerable health status limits the basic capacity of response functions.



Energy Capacity

Homes, businesses, industry, and government all rely on access to energy resources for continuity of daily activities. Expanding, strengthening, and securing the energy network and increasing the availability and quantity of energy reserves will contribute to economic development and increase the speed of recovery processes in the aftermath of a disaster.

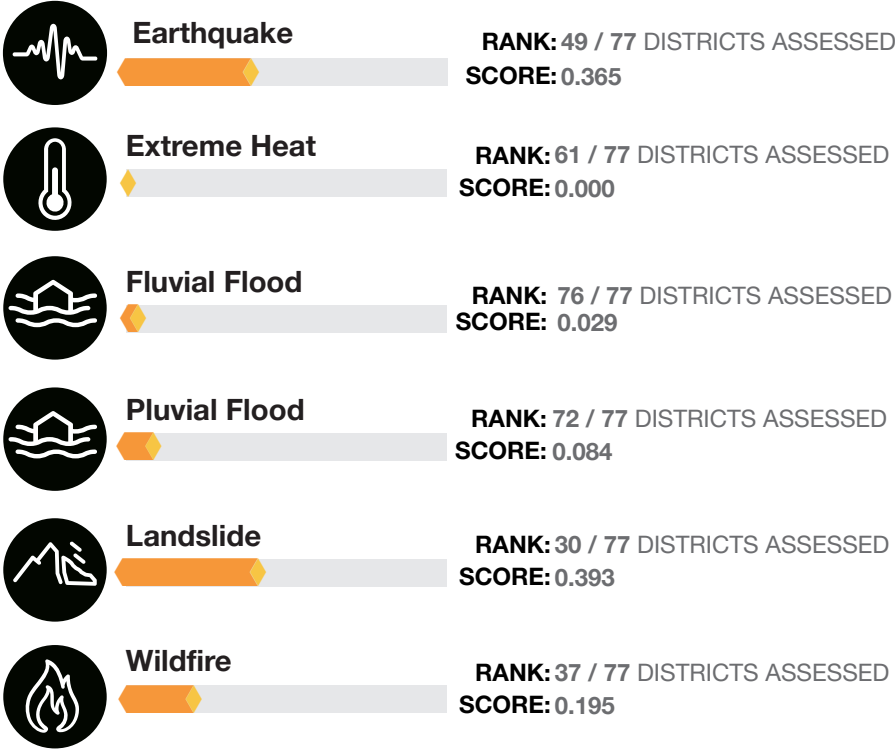


Communications Capacity

The density, diversity, resilience, and quality of communications infrastructure influence how subnational- and local-level populations are able to facilitate effective and coordinated communication.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

61 / 77

RANK WITHIN DISTRICTS
Score: 0.480



Panchthar'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:



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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