



NEPAL

SAPTARI

NDPBA SUBNATIONAL PROFILE

NEPAL

SAPTARI

Area: 1,363 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - High
Score: 0.572 • Rank: 27/77



RESILIENCE (R) - Moderate
Score: 0.473 • Rank: 45/77



MULTI-HAZARD EXPOSURE (MHE) - High
Score: 0.662 • Rank: 23/77



VULNERABILITY (V) - High
Score: 0.468 • Rank: 30/77



COPING CAPACITY (CC) - Moderate
Score: 0.415 • Rank: 38/77



Population (2021 Statistical Yearbook)
713,203



Infant Mortality Rate (per 1,000 live births)
49.2



Population below Poverty Line
39.5%



Population with Safe Drinking Water
96.3%



Adult Literacy
45.4%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 23 / 77 DISTRICTS

SCORE: 0.662



MHE
0.662

Raw MHE
0.757

Relative MHE
0.566

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

620,320

\$1.22 Billion

Critical Infrastructure Exposed:
100%



Landslide

<1%

19

\$2.21 Million

Critical Infrastructure Exposed:
<1%



Extreme Heat

100%

620,317

\$1.22 Billion

Critical Infrastructure Exposed:
100%



Wildfire

12%

72,890

\$98.66 Million

Critical Infrastructure Exposed:
8%



Fluvial Flood

17%

106,213

\$334.64 Million

Critical Infrastructure Exposed:
28%



Pluvial Flood

35%

216,736

\$619 Million

Critical Infrastructure Exposed:
51%

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



VULNERABILITY (V)

RANK: 30 / 77 DISTRICTS ASSESSED
SCORE: 0.468

Vulnerability in Saptari is primarily driven by Information Access Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.780** **RANK: 10/77 DISTRICTS ASSESSED**

45.4% Adult Literacy	3.21 Mean Years of Schooling	86.4 Primary School Net Enrollment	38.98 Student Teacher Ratio
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Access to Clean Water Vulnerability

0  1 **SCORE: 0.322** **RANK: 61/77 DISTRICTS ASSESSED**

96.3% Access to Safe Drinking Water	79.3% Households without Toilet	18.1% Water Schemes in Disrepair	79.7 Typhoid Incidence (per 10,000)	24.7 Cholera Incidence (per 100,000)
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Economic Constraints

0  1 **SCORE: 0.643** **RANK: 17/77 DISTRICTS ASSESSED**

\$801 Income per Capita (PPP \$)	39.5% Poverty Headcount Ratio	10.0% Poverty Gap	80.1 Age Dependency Ratio
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Food Insecurity

0  1 **SCORE: 0.286** **RANK: 64/77 DISTRICTS ASSESSED**

17.9% Food Poverty Prevalence	18.5% Low kcal Intake Prevalence	66.2% Agricultural Insufficiency Rate
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Gender Inequality

0  1 **SCORE: 0.456** **RANK: 30/77 DISTRICTS ASSESSED**

0.50 Female to Male Literacy Ratio (Distance from Parity)	0.10 Female to Male Secondary Enrollment Ratio (Distance from Parity)	78.1% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 30 / 77 DISTRICTS ASSESSED
SCORE: 0.468

Vulnerability in Saptari is primarily driven by Information Access Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.324** **RANK: 54/77 DISTRICTS ASSESSED**

64.8
Life Expectancy

1.3%
Disabled Population



Child Health

0  1 **SCORE: 0.335** **RANK: 53/77 DISTRICTS ASSESSED**

33.4%
Child Malnutrition Rate

49.2
Infant Mortality Rate (per 1,000 live births)

509.7
Child ARI Incidence (per 1,000)

43.9
Child Diarrhea Incidence (per 100)

25.6
Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 38 / 77 DISTRICTS ASSESSED
SCORE: 0.415

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



Economic Capacity

0  1 **SCORE: 0.349** **RANK: 29/77 DISTRICTS ASSESSED**

20,823

Gross Domestic Product (Million Rs.)

85,860

Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.423** **RANK: 52/77 DISTRICTS ASSESSED**

0.3

Average Annual Conflict (per 10,000)

5.92

Government Management (Score out of 9)

4.46

Organization and Administration (Score out of 8)

5.88

Budget and Plan Management (Score out of 11)

7.04

Fiscal and Financial Management (Score out of 11)

7.29

Service Flow (Score out of 16)

4.38

Judicial Work (Score out of 7)

4.58

Physical Infrastructure (Score out of 13)

4.42

Social Inclusion (Score out of 10)

2.25

Environmental Protection and Disaster Management (Score out of 9)

1.83

Cooperation and Coordination (Score out of 6)



Environmental Capacity

0  1 **SCORE: 0.336** **RANK: 31/77 DISTRICTS ASSESSED**

11.2%

Protected Area



COPING CAPACITY (CC)

RANK: 38 / 77 DISTRICTS ASSESSED
SCORE: 0.415

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



Infrastructure Capacity

0  1 **SCORE: 0.462** **RANK: 47/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.303** **RANK: 59/77 DISTRICTS ASSESSED**

2.1% Households with Landline	0.3% Households with Internet	27.4% Households with Television	37.7% Households with Radio	51.1% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.724** **RANK: 8/77 DISTRICTS ASSESSED**

18 Road Density (km per sq. km)	87.8% Improved Roadway	11.5 Average Distance to Airport (km)	63.8 Average Distance to Dry Port (km)	11.5 Average Distance to Warehouse (km)	9.4 Average Distance to Police Station (km)	10.6 Average Distance to Hospital (km)	1.47 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.359** **RANK: 52 /77 DISTRICTS ASSESSED**

41.9% Households with Electricity	4.1% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 45 / 77 DISTRICTS ASSESSED

SCORE: 0.473

Saptari'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



Economic Constraints



Communications Capacity



Energy Capacity

KEY FACTORS INFLUENCING RESILIENCE



Information Access Vulnerability

Limitations in information access can impede a population's ability to receive, understand, and take action. Emergency messages must take into account the unique information access constraints of the district. Emergency messages presented to the population must contain clear and simple information to ensure an appropriate response to save lives and reduce losses.



Economic Constraints

Economic constraints have individual, household, community, and district-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit the ability to facilitate short- and long-term recovery.



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.

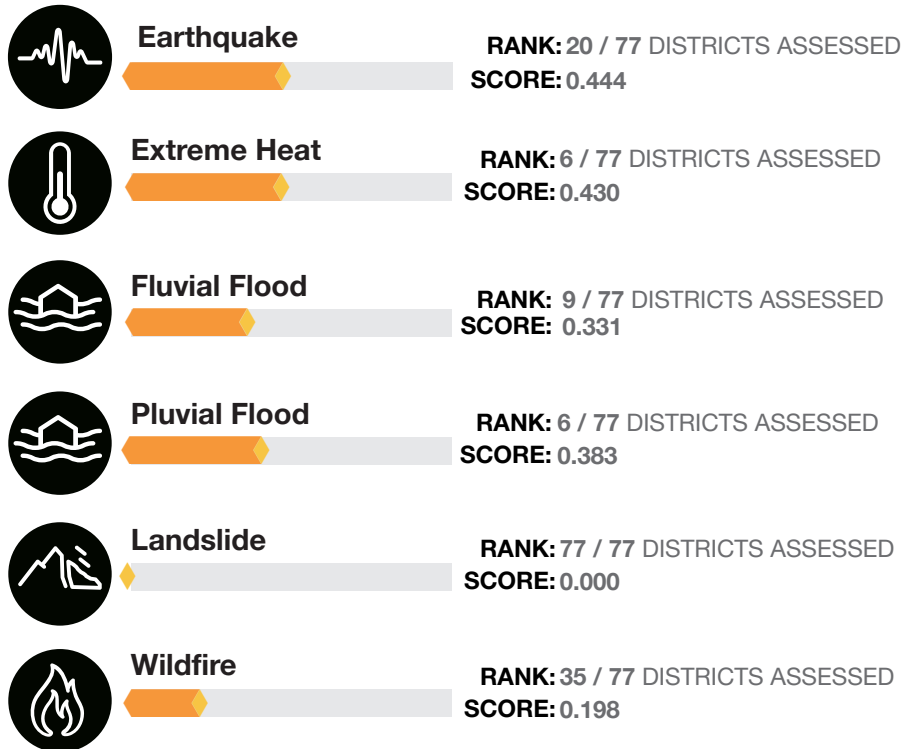


Energy Capacity

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.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

27 / 77

RANK WITHIN DISTRICTS

Score: 0.572



Saptari's score and ranking are due to High Multi-hazard Exposure combined with High Vulnerability and Moderate Coping Capacity scores.

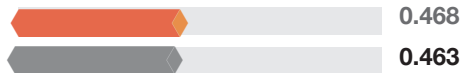
Multi-hazard risk component scores compared to overall average country scores:



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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