



NEPAL

SINDHUPALCHOK

NDPBA SUBNATIONAL PROFILE

NEPAL

SINDHUPALCHOK

Area: 2,542 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low
Score: 0.502 • Rank: 51/77



RESILIENCE (R) - High
Score: 0.532 • Rank: 29/77



MULTI-HAZARD EXPOSURE (MHE) - Moderate
Score: 0.569 • Rank: 35/77



VULNERABILITY (V) - Moderate
Score: 0.456 • Rank: 35/77



COPING CAPACITY (CC) - High
Score: 0.520 • Rank: 19/77



Population (2021 Statistical Yearbook)
262,852



Infant Mortality Rate (per 1,000 live births)
27.5



Population below Poverty Line
25.4%



Population with Safe Drinking Water
81.8%



Adult Literacy
49.5%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 35 / 77 DISTRICTS
SCORE: 0.569



MHE
0.569

Raw MHE
0.644

Relative MHE
0.495

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

269,585

\$529.79 Million

Critical Infrastructure Exposed:
100%



Landslide

98%

265,075

\$529.79 Million

Critical Infrastructure Exposed:
100%



Extreme Heat

38%

101,158

\$290.01 Million

Critical Infrastructure Exposed:
55%



Wildfire

<1%

9

\$0.66 Million

Critical Infrastructure Exposed:
0%



Fluvial Flood

1%

3,948

\$14.18 Million

Critical Infrastructure Exposed:
3%



Pluvial Flood

4%

9,992

\$53.61 Million

Critical Infrastructure Exposed:
10%

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



VULNERABILITY (V)

RANK: 35 / 77 DISTRICTS ASSESSED
SCORE: 0.456

Vulnerability in Sindhupalchok is primarily driven by Information Access Vulnerability and Food Insecurity. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.628** **RANK: 25/77 DISTRICTS ASSESSED**

49.5% Adult Literacy	3.02 Mean Years of Schooling	92.9 Primary School Net Enrollment	18.01 Student Teacher Ratio
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Access to Clean Water Vulnerability

0  1 **SCORE: 0.424** **RANK: 38/77 DISTRICTS ASSESSED**

81.8% Access to Safe Drinking Water	35.9% Households without Toilet	42.4% Water Schemes in Disrepair	136.0 Typhoid Incidence (per 10,000)	19.1 Cholera Incidence (per 100,000)
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Economic Constraints

0  1 **SCORE: 0.471** **RANK: 49/77 DISTRICTS ASSESSED**

\$1,110 Income per Capita (PPP \$)	25.4% Poverty Headcount Ratio	5.4% Poverty Gap	78.2 Age Dependency Ratio
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Food Insecurity

0  1 **SCORE: 0.486** **RANK: 35/77 DISTRICTS ASSESSED**

36.9% Food Poverty Prevalence	35.4% Low kcal Intake Prevalence	56.3% Agricultural Insufficiency Rate
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Gender Inequality

0  1 **SCORE: 0.386** **RANK: 39/77 DISTRICTS ASSESSED**

0.34 Female to Male Literacy Ratio (Distance from Parity)	0.04 Female to Male Secondary Enrollment Ratio (Distance from Parity)	88.0% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 35 / 77 DISTRICTS ASSESSED
SCORE: 0.456

Vulnerability in Sindhupalchok is primarily driven by Information Access Vulnerability and Food Insecurity. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.340** **RANK: 51/77 DISTRICTS ASSESSED**

69.3
Life Expectancy

2.3%
Disabled Population



Child Health

0  1 **SCORE: 0.428** **RANK: 38/77 DISTRICTS ASSESSED**

46.6%
Child Malnutrition Rate

27.5
Infant Mortality Rate (per 1,000 live births)

776.1
Child ARI Incidence (per 1,000)

43.2
Child Diarrhea Incidence (per 100)

81.2
Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 19 / 77 DISTRICTS ASSESSED
SCORE: 0.520

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



Economic Capacity

0  1 **SCORE: 0.270** **RANK: 40/77 DISTRICTS ASSESSED**

12,976

Gross Domestic Product (Million Rs.)

86,494

Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.602** **RANK: 18/77 DISTRICTS ASSESSED**

0.11

Average Annual Conflict (per 10,000)

6.65

Government Management (Score out of 9)

4.73

Organization and Administration (Score out of 8)

7.05

Budget and Plan Management (Score out of 11)

7.78

Fiscal and Financial Management (Score out of 11)

9.85

Service Flow (Score out of 16)

5.38

Judicial Work (Score out of 7)

6.7

Physical Infrastructure (Score out of 13)

4.53

Social Inclusion (Score out of 10)

4.1

Environmental Protection and Disaster Management (Score out of 9)

2.63

Cooperation and Coordination (Score out of 6)



Environmental Capacity

0  1 **SCORE: 0.736** **RANK: 11/77 DISTRICTS ASSESSED**

53.8%

Protected Area



COPING CAPACITY (CC)

RANK: 19 / 77 DISTRICTS ASSESSED
SCORE: 0.520

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



Infrastructure Capacity

0  1 **SCORE: 0.531** **RANK: 31/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.426** **RANK: 43/77 DISTRICTS ASSESSED**

2.0% Households with Landline	0.6% Households with Internet	33.9% Households with Television	52.0% Households with Radio	59.3% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.536** **RANK: 50/77 DISTRICTS ASSESSED**

8 Road Density (km per sq. km)	72.7% Improved Roadway	20.6 Average Distance to Airport (km)	38.7 Average Distance to Dry Port (km)	20.6 Average Distance to Warehouse (km)	14.8 Average Distance to Police Station (km)	16.6 Average Distance to Hospital (km)	1.03 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.630** **RANK: 22 /77 DISTRICTS ASSESSED**

88.3% Households with Electricity	5.9% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 29 / 77 DISTRICTS ASSESSED

SCORE: 0.532

Sindhupalchok'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:



Information Access Vulnerability



Food Insecurity



Communications Capacity



Logistics 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.



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.



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.

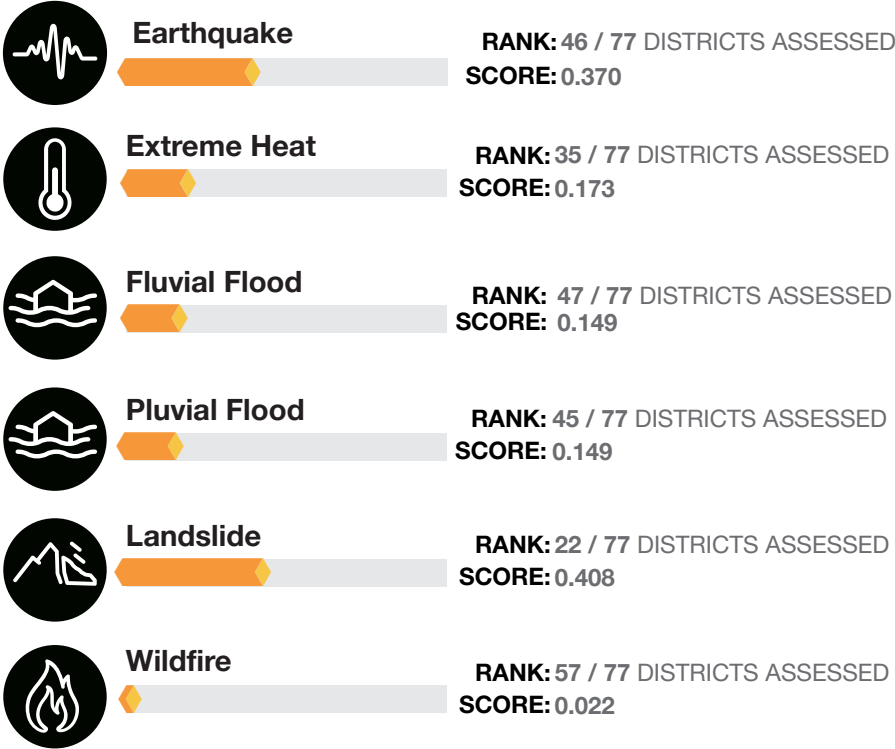


Logistics Capacity

Efficient movement, storage and delivery of resources are key to effective humanitarian assistance and disaster relief operations. Ensuring that the supply chain can reach vulnerable and isolated communities can significantly improve the speed and quality of response and mass care operations, reducing the negative social and economic impacts of an emergency.



HAZARD-SPECIFIC RISK (HSR)





MULTI-HAZARD RISK (MHR)

51 / 77

RANK WITHIN DISTRICTS
Score: 0.502



Sindhupalchok'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:

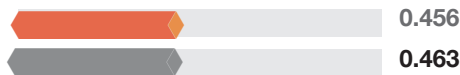
DISTRICTS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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