



NEPAL

DOLPA

NDPBA SUBNATIONAL PROFILE

NEPAL

DOLPA

Area: 7,889 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High
Score: 0.613 • Rank: 12/77



RESILIENCE (R) - Very Low
Score: 0.259 • Rank: 74/77



MULTI-HAZARD EXPOSURE (MHE) - Very Low
Score: 0.358 • Rank: 68/77



VULNERABILITY (V) - Very High
Score: 0.753 • Rank: 4/77



COPING CAPACITY (CC) - Very Low
Score: 0.272 • Rank: 72/77



Population (2021 Statistical Yearbook)
42,959



Infant Mortality Rate (per 1,000 live births)
70.9



Population below Poverty Line
42.8%



Population with Safe Drinking Water
64.7%



Adult Literacy
44.2%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 68 / 77 DISTRICTS
SCORE: 0.358



MHE
0.358

Raw MHE
0.214

Relative MHE
0.502

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

37,140

\$51.82 Million

Critical Infrastructure Exposed:
100%



Landslide

99%

36,733

\$50.35 Million

Critical Infrastructure Exposed:
97%



Extreme Heat

0%

0

\$0

Critical Infrastructure Exposed:
0%



Wildfire

19%

6,947

\$11.65 Million

Critical Infrastructure Exposed:
22%



Fluvial Flood

9%

3,205

\$0.74 Million

Critical Infrastructure Exposed:
1%



Pluvial Flood

17%

6,315

\$2.5 Million

Critical Infrastructure Exposed:
5%

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



VULNERABILITY (V)

RANK: 4 / 77 DISTRICTS ASSESSED
SCORE: 0.753

Vulnerability in Dolpa is primarily driven by Gender Inequality and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.726** **RANK: 14/77 DISTRICTS ASSESSED**

44.2% Adult Literacy	2.53 Mean Years of Schooling	88.3 Primary School Net Enrollment	17.82 Student Teacher Ratio
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Access to Clean Water Vulnerability

0  1 **SCORE: 0.667** **RANK: 9/77 DISTRICTS ASSESSED**

64.7% Access to Safe Drinking Water	49.2% Households without Toilet	40.4% Water Schemes in Disrepair	170.3 Typhoid Incidence (per 10,000)	938.2 Cholera Incidence (per 100,000)
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Economic Constraints

0  1 **SCORE: 0.662** **RANK: 16/77 DISTRICTS ASSESSED**

\$1,040 Income per Capita (PPP \$)	42.8% Poverty Headcount Ratio	11.0% Poverty Gap	84.7 Age Dependency Ratio
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Food Insecurity

0  1 **SCORE: 0.773** **RANK: 8/77 DISTRICTS ASSESSED**

37.5% Food Poverty Prevalence	45.2% Low kcal Intake Prevalence	85.8% Agricultural Insufficiency Rate
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Gender Inequality

0  1 **SCORE: 0.864** **RANK: 2/77 DISTRICTS ASSESSED**

0.61 Female to Male Literacy Ratio (Distance from Parity)	0.20 Female to Male Secondary Enrollment Ratio (Distance from Parity)	95.6% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 4 / 77 DISTRICTS ASSESSED
SCORE: 0.753

Vulnerability in Dolpa is primarily driven by Gender Inequality and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.827** **RANK: 3/77 DISTRICTS ASSESSED**

57.7
Life Expectancy

4.4%
Disabled Population



Child Health

0  1 **SCORE: 0.708** **RANK: 7/77 DISTRICTS ASSESSED**

54.1%
Child Malnutrition Rate

70.9
Infant Mortality Rate (per 1,000 live births)

874.6
Child ARI Incidence (per 1,000)

48.3
Child Diarrhea Incidence (per 100)

190.9
Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 72 / 77 DISTRICTS ASSESSED
SCORE: 0.272

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



Economic Capacity

0 1 **SCORE: 0.153** **RANK: 63/77 DISTRICTS ASSESSED**

1,559

Gross Domestic Product (Million Rs.)

86,910

Labor Productivity (Rs.)



Governance

0 1 **SCORE: 0.307** **RANK: 68/77 DISTRICTS ASSESSED**

0.44

Average Annual Conflict (per 10,000)

-

Government Management (Score out of 9)

-

Organization and Administration (Score out of 8)

-

Budget and Plan Management (Score out of 11)

-

Fiscal and Financial Management (Score out of 11)

-

Service Flow (Score out of 16)

-

Judicial Work (Score out of 7)

-

Physical Infrastructure (Score out of 13)

-

Social Inclusion (Score out of 10)

-

Environmental Protection and Disaster Management (Score out of 9)

-

Cooperation and Coordination (Score out of 6)



Environmental Capacity

0 1 **SCORE: 0.703** **RANK: 13/77 DISTRICTS ASSESSED**

49.1%

Protected Area



COPING CAPACITY (CC)

RANK: 72 / 77 DISTRICTS ASSESSED
SCORE: 0.272

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



Infrastructure Capacity

0  1 **SCORE: 0.197** **RANK: 76/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.244** **RANK: 71/77 DISTRICTS ASSESSED**

1.7% Households with Landline	0.5% Households with Internet	7.1% Households with Television	38.2% Households with Radio	44.5% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.229** **RANK: 77/77 DISTRICTS ASSESSED**

0 Road Density (km per sq. km)	0.0% Improved Roadway	56.1 Average Distance to Airport (km)	219.2 Average Distance to Dry Port (km)	56.1 Average Distance to Warehouse (km)	30.8 Average Distance to Police Station (km)	31.5 Average Distance to Hospital (km)	3.49 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.118** **RANK: 74 /77 DISTRICTS ASSESSED**

23.0% Households with Electricity	0.1% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 74 / 77 DISTRICTS ASSESSED

SCORE: 0.259

Dolpa'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:



Gender Inequality



Vulnerable Health Status



Energy Capacity



Logistics Capacity

KEY FACTORS INFLUENCING RESILIENCE



Gender Inequality

Marginalized populations are less likely to have their needs met under pre-disaster conditions, and therefore become even more susceptible to harm during times of disaster. Increase gender-based inclusion in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.



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.



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)



Earthquake

RANK: 23 / 77 DISTRICTS ASSESSED
SCORE: 0.425



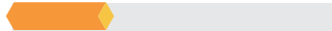
Extreme Heat

RANK: 61 / 77 DISTRICTS ASSESSED
SCORE: 0.000



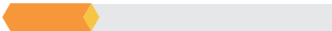
Fluvial Flood

RANK: 14 / 77 DISTRICTS ASSESSED
SCORE: 0.267



Pluvial Flood

RANK: 24 / 77 DISTRICTS ASSESSED
SCORE: 0.235



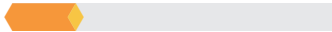
Landslide

RANK: 15 / 77 DISTRICTS ASSESSED
SCORE: 0.451



Wildfire

RANK: 38 / 77 DISTRICTS ASSESSED
SCORE: 0.184





MULTI-HAZARD RISK (MHR)

12 / 77

RANK WITHIN DISTRICTS
Score: 0.613



Dolpa'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:

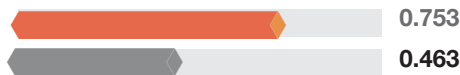
DISTRICTS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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