



NEPAL

MAHOTTARI

NDPBA SUBNATIONAL PROFILE

NEPAL MAHOTTARI

Area: 1,002 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High
Score: 0.639 • Rank: 7/77



RESILIENCE (R) - Low
Score: 0.384 • Rank: 61/77



MULTI-HAZARD EXPOSURE (MHE) - High
Score: 0.684 • Rank: 22/77



VULNERABILITY (V) - High
Score: 0.506 • Rank: 25/77



COPING CAPACITY (CC) - Very Low
Score: 0.275 • Rank: 70/77



Population (2021 Statistical Yearbook)
715,040



Infant Mortality Rate (per 1,000 live births)
61.8



Population below Poverty Line
16.2%



Population with Safe Drinking Water
90.6%



Adult Literacy
37.0%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 22 / 77 DISTRICTS
SCORE: 0.684



MHE
0.684

Raw MHE
0.716

Relative MHE
0.652

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

620,548

\$1.16 Billion

Critical Infrastructure Exposed:
100%



Landslide

1%

4,792

\$19.9 Million

Critical Infrastructure Exposed:
2%



Extreme Heat

100%

619,710

\$1.16 Billion

Critical Infrastructure Exposed:
100%



Wildfire

8%

49,376

\$132.99 Million

Critical Infrastructure Exposed:
11%



Fluvial Flood

29%

178,964

\$312.47 Million

Critical Infrastructure Exposed:
27%



Pluvial Flood

42%

259,724

\$454.22 Million

Critical Infrastructure Exposed:
39%

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



VULNERABILITY (V)

RANK: 25 / 77 DISTRICTS ASSESSED
SCORE: 0.506

Vulnerability in Mahottari is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.866** **RANK: 5/77 DISTRICTS ASSESSED**

37.0% Adult Literacy	2.46 Mean Years of Schooling	89.5 Primary School Net Enrollment	47.93 Student Teacher Ratio
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Access to Clean Water Vulnerability

0  1 **SCORE: 0.612** **RANK: 12/77 DISTRICTS ASSESSED**

90.6% Access to Safe Drinking Water	72.5% Households without Toilet	43.8% Water Schemes in Disrepair	218.3 Typhoid Incidence (per 10,000)	137.2 Cholera Incidence (per 100,000)
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Economic Constraints

0  1 **SCORE: 0.495** **RANK: 38/77 DISTRICTS ASSESSED**

\$681 Income per Capita (PPP \$)	16.2% Poverty Headcount Ratio	3.5% Poverty Gap	90.5 Age Dependency Ratio
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Food Insecurity

0  1 **SCORE: 0.264** **RANK: 65/77 DISTRICTS ASSESSED**

20.3% Food Poverty Prevalence	21.8% Low kcal Intake Prevalence	55.5% Agricultural Insufficiency Rate
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Gender Inequality

0  1 **SCORE: 0.402** **RANK: 36/77 DISTRICTS ASSESSED**

0.50 Female to Male Literacy Ratio (Distance from Parity)	0.05 Female to Male Secondary Enrollment Ratio (Distance from Parity)	78.9% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 25 / 77 DISTRICTS ASSESSED
SCORE: 0.506

Vulnerability in Mahottari is primarily driven by Information Access Vulnerability and Clean Water Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.399** **RANK: 34/77 DISTRICTS ASSESSED**

63.5
Life Expectancy

1.6%
Disabled Population



Child Health

0  1 **SCORE: 0.411** **RANK: 40/77 DISTRICTS ASSESSED**

43.6%
Child Malnutrition Rate

61.8
Infant Mortality Rate (per 1,000 live births)

499.9
Child ARI Incidence (per 1,000)

32.5
Child Diarrhea Incidence (per 100)

52.6
Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 70 / 77 DISTRICTS ASSESSED
SCORE: 0.275

Mahottari 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: 0.341** **RANK: 31/77 DISTRICTS ASSESSED**

17,284

Gross Domestic Product (Million Rs.)

94,400

Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.062** **RANK: 76/77 DISTRICTS ASSESSED**

0.14

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: 0.000** **RANK: 49/77 DISTRICTS ASSESSED**

0.0%

Protected Area



COPING CAPACITY (CC)

RANK: 70 / 77 DISTRICTS ASSESSED
SCORE: 0.275

Mahottari 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: 0.470** **RANK: 45/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.290** **RANK: 62/77 DISTRICTS ASSESSED**

2.2% Households with Landline	0.2% Households with Internet	31.9% Households with Television	34.9% Households with Radio	51.0% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.665** **RANK: 14/77 DISTRICTS ASSESSED**

18 Road Density (km per sq. km)	92.7% Improved Roadway	16.2 Average Distance to Airport (km)	111.2 Average Distance to Dry Port (km)	16.2 Average Distance to Warehouse (km)	10.6 Average Distance to Police Station (km)	10.6 Average Distance to Hospital (km)	0.42 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.453** **RANK: 45 /77 DISTRICTS ASSESSED**

63.2% Households with Electricity	3.0% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 61 / 77 DISTRICTS ASSESSED

SCORE: 0.384

Mahottari'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:



Information Access Vulnerability



Clean Water Access Vulnerability



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.



Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.



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)



Earthquake

RANK: 5 / 77 DISTRICTS ASSESSED
SCORE: 0.506



Extreme Heat

RANK: 1 / 77 DISTRICTS ASSESSED
SCORE: 0.485



Fluvial Flood

RANK: 2 / 77 DISTRICTS ASSESSED
SCORE: 0.430



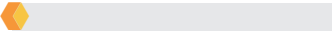
Pluvial Flood

RANK: 1 / 77 DISTRICTS ASSESSED
SCORE: 0.437



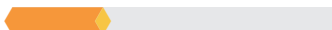
Landslide

RANK: 68 / 77 DISTRICTS ASSESSED
SCORE: 0.036



Wildfire

RANK: 26 / 77 DISTRICTS ASSESSED
SCORE: 0.263





MULTI-HAZARD RISK (MHR)

7 / 77

RANK WITHIN DISTRICTS
Score: 0.639



Mahottari'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:

DISTRICTS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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