



NEPAL

SUNSARI

NDPBA SUBNATIONAL PROFILE

NEPAL

SUNSARI

Area: 1,257 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low
Score: 0.484 • Rank: 58/77



RESILIENCE (R) - Very High
Score: 0.633 • Rank: 10/77



MULTI-HAZARD EXPOSURE (MHE) - Very High
Score: 0.717 • Rank: 12/77



VULNERABILITY (V) - Very Low
Score: 0.278 • Rank: 71/77



COPING CAPACITY (CC) - High
Score: 0.544 • Rank: 15/77



Population (2021 Statistical Yearbook)
934,461



Infant Mortality Rate (per 1,000 live births)
40.5



Population below Poverty Line
12.0%



Population with Safe Drinking Water
96.8%



Adult Literacy
62.9%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 12 / 77 DISTRICTS

SCORE: 0.717



MHE
0.717

Raw MHE
0.853

Relative MHE
0.582

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

1,531,943

\$1.74 Billion

Critical Infrastructure Exposed:
100%



Landslide

4%

64,434

\$123.32 Million

Critical Infrastructure Exposed:
7%



Extreme Heat

100%

1,529,908

\$1.74 Billion

Critical Infrastructure Exposed:
100%



Wildfire

4%

65,008

\$40.51 Million

Critical Infrastructure Exposed:
2%



Fluvial Flood

45%

692,281

\$344.55 Million

Critical Infrastructure Exposed:
20%



Pluvial Flood

55%

836,152

\$473.94 Million

Critical Infrastructure Exposed:
27%

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



VULNERABILITY (V)

RANK: 71 / 77 DISTRICTS ASSESSED
SCORE: 0.278

Vulnerability in Sunsari 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: 0.557** **RANK: 34/77 DISTRICTS ASSESSED**

62.9% Adult Literacy	4.21 Mean Years of Schooling	87.4 Primary School Net Enrollment	18.75 Student Teacher Ratio
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Access to Clean Water Vulnerability

0 1 **SCORE: 0.217** **RANK: 75/77 DISTRICTS ASSESSED**

96.8% Access to Safe Drinking Water	36.1% Households without Toilet	27.8% Water Schemes in Disrepair	42.7 Typhoid Incidence (per 10,000)	13.2 Cholera Incidence (per 100,000)
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Economic Constraints

0 1 **SCORE: 0.327** **RANK: 66/77 DISTRICTS ASSESSED**

\$1,104 Income per Capita (PPP \$)	12.0% Poverty Headcount Ratio	2.2% Poverty Gap	67.4 Age Dependency Ratio
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Food Insecurity

0 1 **SCORE: 0.204** **RANK: 71/77 DISTRICTS ASSESSED**

10.8% Food Poverty Prevalence	22.4% Low kcal Intake Prevalence	56.0% Agricultural Insufficiency Rate
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Gender Inequality

0 1 **SCORE: 0.089** **RANK: 77/77 DISTRICTS ASSESSED**

0.28 Female to Male Literacy Ratio (Distance from Parity)	0.01 Female to Male Secondary Enrollment Ratio (Distance from Parity)	68.6% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 71 / 77 DISTRICTS ASSESSED
SCORE: 0.278

Vulnerability in Sunsari 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: 0.272** **RANK: 65/77 DISTRICTS ASSESSED**

67.2
 Life Expectancy

1.4%
 Disabled Population



Child Health

0  1 **SCORE: 0.302** **RANK: 59/77 DISTRICTS ASSESSED**

29.4%
 Child Malnutrition Rate

40.5
 Infant Mortality Rate (per 1,000 live births)

451.9
 Child ARI Incidence (per 1,000)

38.4
 Child Diarrhea Incidence (per 100)

47.5
 Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 15 / 77 DISTRICTS ASSESSED
SCORE: 0.544

Sunsari 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: 0.629** **RANK: 10/77 DISTRICTS ASSESSED**

34,261

Gross Domestic Product (Million Rs.)

127,610

Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.355** **RANK: 66/77 DISTRICTS ASSESSED**

0.21

Average Annual Conflict (per 10,000)

6.19

Government Management (Score out of 9)

3.6

Organization and Administration (Score out of 8)

5.73

Budget and Plan Management (Score out of 11)

6.1

Fiscal and Financial Management (Score out of 11)

6.67

Service Flow (Score out of 16)

4.67

Judicial Work (Score out of 7)

3.5

Physical Infrastructure (Score out of 13)

3.6

Social Inclusion (Score out of 10)

2.85

Environmental Protection and Disaster Management (Score out of 9)

1.08

Cooperation and Coordination (Score out of 6)



Environmental Capacity

0  1 **SCORE: 0.369** **RANK: 29/77 DISTRICTS ASSESSED**

13.6%

Protected Area



COPING CAPACITY (CC)

RANK: 15 / 77 DISTRICTS ASSESSED
SCORE: 0.544

Sunsari 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: 0.688** **RANK: 7/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.559** **RANK: 16/77 DISTRICTS ASSESSED**

9.1% Households with Landline	2.0% Households with Internet	52.6% Households with Television	37.9% Households with Radio	69.5% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.758** **RANK: 6/77 DISTRICTS ASSESSED**

15 Road Density (km per sq. km)	94.8% Improved Roadway	13.9 Average Distance to Airport (km)	34.9 Average Distance to Dry Port (km)	13.9 Average Distance to Warehouse (km)	5.8 Average Distance to Police Station (km)	10.0 Average Distance to Hospital (km)	8.43 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.747** **RANK: 7 /77 DISTRICTS ASSESSED**

81.7% Households with Electricity	29.0% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 10 / 77 DISTRICTS ASSESSED

SCORE: 0.633

Sunsari's score and ranking are due to Very Low Vulnerability combined with High 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.

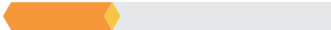


HAZARD-SPECIFIC RISK (HSR)



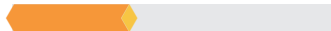
Earthquake

RANK: 67 / 77 DISTRICTS ASSESSED
SCORE: 0.293



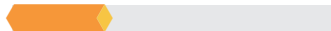
Extreme Heat

RANK: 18 / 77 DISTRICTS ASSESSED
SCORE: 0.334



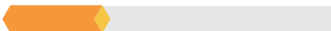
Fluvial Flood

RANK: 17 / 77 DISTRICTS ASSESSED
SCORE: 0.263



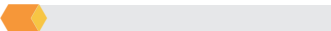
Pluvial Flood

RANK: 16 / 77 DISTRICTS ASSESSED
SCORE: 0.267



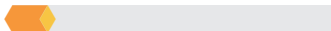
Landslide

RANK: 58 / 77 DISTRICTS ASSESSED
SCORE: 0.088



Wildfire

RANK: 51 / 77 DISTRICTS ASSESSED
SCORE: 0.102





MULTI-HAZARD RISK (MHR)

58 / 77

RANK WITHIN DISTRICTS
Score: 0.484



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

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

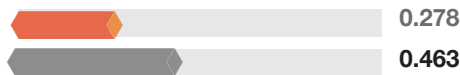
DISTRICTS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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