



NEPAL

NAWALPARASI WEST

NDPBA SUBNATIONAL PROFILE

NEPAL

NAWALPARASI WEST

Area: 927 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low
Score: 0.488 • Rank: 56/77



RESILIENCE (R) - Very High
Score: 0.615 • Rank: 12/77



MULTI-HAZARD EXPOSURE (MHE) - High
Score: 0.694 • Rank: 19/77



VULNERABILITY (V) - Very Low
Score: 0.291 • Rank: 68/77



COPING CAPACITY (CC) - High
Score: 0.521 • Rank: 18/77



Population (2021 Statistical Yearbook)
385,515



Infant Mortality Rate (per 1,000 live births)
37.8



Population below Poverty Line
17.0%



Population with Safe Drinking Water
91.9%



Adult Literacy
63.7%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 19 / 77 DISTRICTS
SCORE: 0.694



MHE
0.694

Raw MHE
0.681

Relative MHE
0.706

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

335,722

\$729.77 Million

Critical Infrastructure Exposed:
100%



Landslide

1%

2,987

\$21.18 Million

Critical Infrastructure Exposed:
3%



Extreme Heat

100%

335,514

\$729.77 Million

Critical Infrastructure Exposed:
100%



Wildfire

25%

84,983

\$161.27 Million

Critical Infrastructure Exposed:
22%



Fluvial Flood

32%

105,837

\$278.69 Million

Critical Infrastructure Exposed:
38%



Pluvial Flood

40%

132,660

\$245.39 Million

Critical Infrastructure Exposed:
34%

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



VULNERABILITY (V)

RANK: 68 / 77 DISTRICTS ASSESSED
SCORE: 0.291

Vulnerability in Nawalparasi West 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: 0.462** **RANK: 47/77 DISTRICTS ASSESSED**

63.7% Adult Literacy	3.97 Mean Years of Schooling	95.4 Primary School Net Enrollment	17.8 Student Teacher Ratio
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Access to Clean Water Vulnerability

0 1 **SCORE: 0.277** **RANK: 67/77 DISTRICTS ASSESSED**

91.9% Access to Safe Drinking Water	38.0% Households without Toilet	35.7% Water Schemes in Disrepair	72.4 Typhoid Incidence (per 10,000)	3.8 Cholera Incidence (per 100,000)
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Economic Constraints

0 1 **SCORE: 0.384** **RANK: 59/77 DISTRICTS ASSESSED**

\$1,157 Income per Capita (PPP \$)	17.0% Poverty Headcount Ratio	3.8% Poverty Gap	72.0 Age Dependency Ratio
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Food Insecurity

0 1 **SCORE: 0.159** **RANK: 74/77 DISTRICTS ASSESSED**

11.9% Food Poverty Prevalence	24.2% Low kcal Intake Prevalence	44.9% Agricultural Insufficiency Rate
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Gender Inequality

0 1 **SCORE: 0.186** **RANK: 69/77 DISTRICTS ASSESSED**

0.29 Female to Male Literacy Ratio (Distance from Parity)	0.03 Female to Male Secondary Enrollment Ratio (Distance from Parity)	74.9% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 68 / 77 DISTRICTS ASSESSED
SCORE: 0.291

Vulnerability in Nawalparasi West 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: 0.278** **RANK: 64/77 DISTRICTS ASSESSED**

67.8
 Life Expectancy

1.7%
 Disabled Population



Child Health

0  1 **SCORE: 0.286** **RANK: 61/77 DISTRICTS ASSESSED**

38.9%
 Child Malnutrition Rate

37.8
 Infant Mortality Rate (per 1,000 live births)

356.9
 Child ARI Incidence (per 1,000)

32.8
 Child Diarrhea Incidence (per 100)

26.4
 Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 18 / 77 DISTRICTS ASSESSED
SCORE: 0.521

Nawalparasi West 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: 0.486** **RANK: 16/77 DISTRICTS ASSESSED**

30,140 **97,732**
 Gross Domestic Product (Million Rs.) Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.550** **RANK: 25/77 DISTRICTS ASSESSED**

0.21 Average Annual Conflict (per 10,000)	7.14 Government Management (Score out of 9)	4.54 Organization and Administration (Score out of 8)	6.14 Budget and Plan Management (Score out of 11)	6.96 Fiscal and Financial Management (Score out of 11)	9.57 Service Flow (Score out of 16)	6.14 Judicial Work (Score out of 7)	6.43 Physical Infrastructure (Score out of 13)
4.18 Social Inclusion (Score out of 10)	3.04 Environmental Protection and Disaster Management (Score out of 9)	1.25 Cooperation and Coordination (Score out of 6)					



Environmental Capacity

0  1 **SCORE: 0.118** **RANK: 40/77 DISTRICTS ASSESSED**

1.4%
Protected Area



COPING CAPACITY (CC)

RANK: 18 / 77 DISTRICTS ASSESSED
SCORE: 0.521

Nawalparasi West 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: 0.617** **RANK: 13/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.563** **RANK: 14/77 DISTRICTS ASSESSED**

4.6% Households with Landline	1.9% Households with Internet	46.8% Households with Television	45.5% Households with Radio	76.6% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.605** **RANK: 24/77 DISTRICTS ASSESSED**

17 Road Density (km per sq. km)	60.3% Improved Roadway	36.1 Average Distance to Airport (km)	30.9 Average Distance to Dry Port (km)	36.1 Average Distance to Warehouse (km)	6.8 Average Distance to Police Station (km)	8.2 Average Distance to Hospital (km)	1.14 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.683** **RANK: 13 /77 DISTRICTS ASSESSED**

80.9% Households with Electricity	17.0% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 12 / 77 DISTRICTS ASSESSED
SCORE: 0.615

Nawalparasi West'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



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.



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.

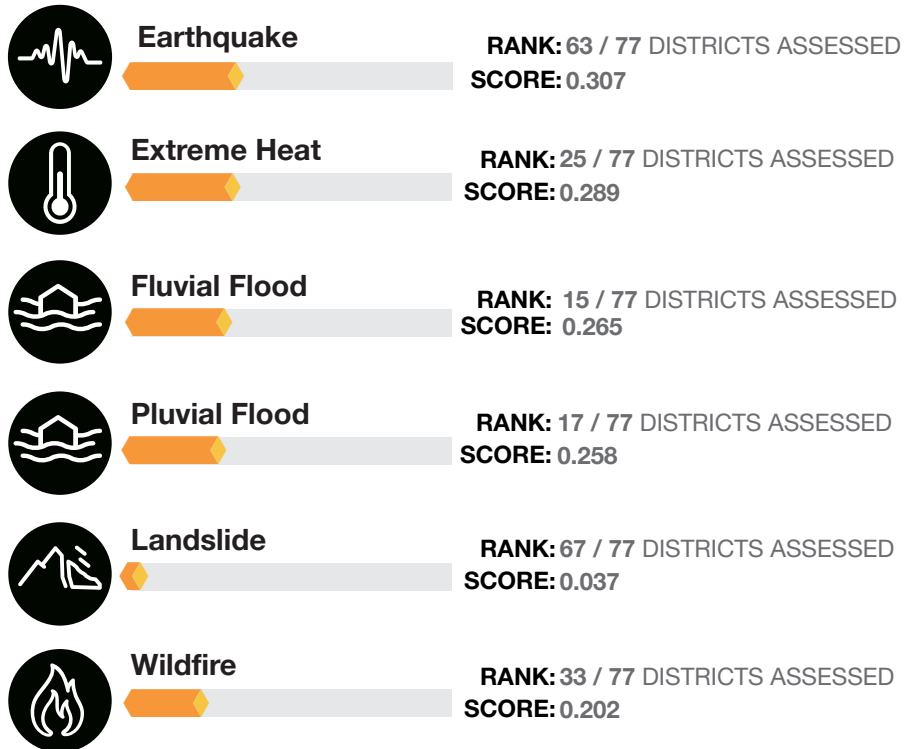


Logistics Capacity

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)

56 / 77

RANK WITHIN DISTRICTS
Score: 0.488



Nawalparasi West's score and ranking are due to 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:

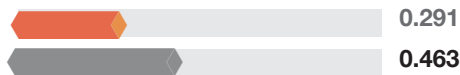
DISTRICTS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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