



NEPAL

JHAPA

NDPBA SUBNATIONAL PROFILE

NEPAL

JHAPA

Area: 1,606 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low
Score: 0.442 • Rank: 67/77



RESILIENCE (R) - Very High
Score: 0.668 • Rank: 6/77



MULTI-HAZARD EXPOSURE (MHE) - High
Score: 0.661 • Rank: 24/77



VULNERABILITY (V) - Very Low
Score: 0.224 • Rank: 76/77



COPING CAPACITY (CC) - Very High
Score: 0.560 • Rank: 11/77



Population (2021 Statistical Yearbook)
994,090



Infant Mortality Rate (per 1,000 live births)
38.0



Population below Poverty Line
10.6%



Population with Safe Drinking Water
95.5%



Adult Literacy
69.9%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 24 / 77 DISTRICTS

SCORE: 0.661



MHE
0.661

Raw MHE
0.788

Relative MHE
0.534

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

806,022

\$1.6 Billion

Critical Infrastructure Exposed:
100%



Landslide

1%

8,893

\$34.63 Million

Critical Infrastructure Exposed:
2%



Extreme Heat

100%

805,757

\$1.6 Billion

Critical Infrastructure Exposed:
100%



Wildfire

0%

0

\$0

Critical Infrastructure Exposed:
0%



Fluvial Flood

21%

166,692

\$516.48 Million

Critical Infrastructure Exposed:
32%



Pluvial Flood

49%

398,186

\$958.37 Million

Critical Infrastructure Exposed:
60%

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



VULNERABILITY (V)

RANK: 76 / 77 DISTRICTS ASSESSED
SCORE: 0.224

Vulnerability in Jhapa is primarily driven by Information Access Vulnerability and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0 1 **SCORE: 0.319** **RANK: 68/77 DISTRICTS ASSESSED**

69.9% Adult Literacy	4.77 Mean Years of Schooling	97.4 Primary School Net Enrollment	19.86 Student Teacher Ratio
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Access to Clean Water Vulnerability

0 1 **SCORE: 0.240** **RANK: 72/77 DISTRICTS ASSESSED**

95.5% Access to Safe Drinking Water	25.8% Households without Toilet	33.0% Water Schemes in Disrepair	159.7 Typhoid Incidence (per 10,000)	0.1 Cholera Incidence (per 100,000)
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Economic Constraints

0 1 **SCORE: 0.294** **RANK: 70/77 DISTRICTS ASSESSED**

\$1,226 Income per Capita (PPP \$)	10.6% Poverty Headcount Ratio	1.9% Poverty Gap	64.9 Age Dependency Ratio
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Food Insecurity

0 1 **SCORE: 0.065** **RANK: 77/77 DISTRICTS ASSESSED**

7.1% Food Poverty Prevalence	18.2% Low kcal Intake Prevalence	45.9% Agricultural Insufficiency Rate
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Gender Inequality

0 1 **SCORE: 0.131** **RANK: 75/77 DISTRICTS ASSESSED**

0.22 Female to Male Literacy Ratio (Distance from Parity)	0.07 Female to Male Secondary Enrollment Ratio (Distance from Parity)	68.9% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 76 / 77 DISTRICTS ASSESSED
SCORE: 0.224

Vulnerability in Jhapa is primarily driven by Information Access Vulnerability and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.295** **RANK: 59/77 DISTRICTS ASSESSED**

67.3
Life Expectancy

1.9%
Disabled Population



Child Health

0  1 **SCORE: 0.264** **RANK: 71/77 DISTRICTS ASSESSED**

24.2%
Child Malnutrition Rate

38.0
Infant Mortality Rate (per 1,000 live births)

543.1
Child ARI Incidence (per 1,000)

29.2
Child Diarrhea Incidence (per 100)

44.9
Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 11 / 77 DISTRICTS ASSESSED
SCORE: 0.560

Jhapa 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: 0.675** **RANK: 9/77 DISTRICTS ASSESSED**

40,370

Gross Domestic Product (Million Rs.)

122,577

Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.502** **RANK: 38/77 DISTRICTS ASSESSED**

0.13

Average Annual Conflict (per 10,000)

6.75

Government Management (Score out of 9)

4.52

Organization and Administration (Score out of 8)

5.9

Budget and Plan Management (Score out of 11)

7.29

Fiscal and Financial Management (Score out of 11)

8.38

Service Flow (Score out of 16)

4.54

Judicial Work (Score out of 7)

5.6

Physical Infrastructure (Score out of 13)

3.48

Social Inclusion (Score out of 10)

4

Environmental Protection and Disaster Management (Score out of 9)

2.4

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: 11 / 77 DISTRICTS ASSESSED
SCORE: 0.560

Jhapa 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: 0.685** **RANK: 8/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.652** **RANK: 6/77 DISTRICTS ASSESSED**

7.8% Households with Landline	2.3% Households with Internet	62.7% Households with Television	51.3% Households with Radio	73.7% Households with Mobile Phone
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Logistics Capacity

0  1 **SCORE: 0.684** **RANK: 12/77 DISTRICTS ASSESSED**

12 Road Density (km per sq. km)	91.4% Improved Roadway	13.1 Average Distance to Airport (km)	30.2 Average Distance to Dry Port (km)	13.1 Average Distance to Warehouse (km)	8.1 Average Distance to Police Station (km)	12.9 Average Distance to Hospital (km)	1.19 Operational Hospital Beds (per 10,000)
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Energy Capacity

0  1 **SCORE: 0.720** **RANK: 8 /77 DISTRICTS ASSESSED**

82.1% Households with Electricity	22.7% Households using Gas for Cooking
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RESILIENCE (R)

RANK: 6 / 77 DISTRICTS ASSESSED

SCORE: 0.668

Jhapa's score and ranking are due to Very Low Vulnerability combined with Very High Coping Capacity scores.

Below are the four thematic areas with the weakest relative scores:



Information Access Vulnerability



Vulnerable Health Status



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.



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.



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.

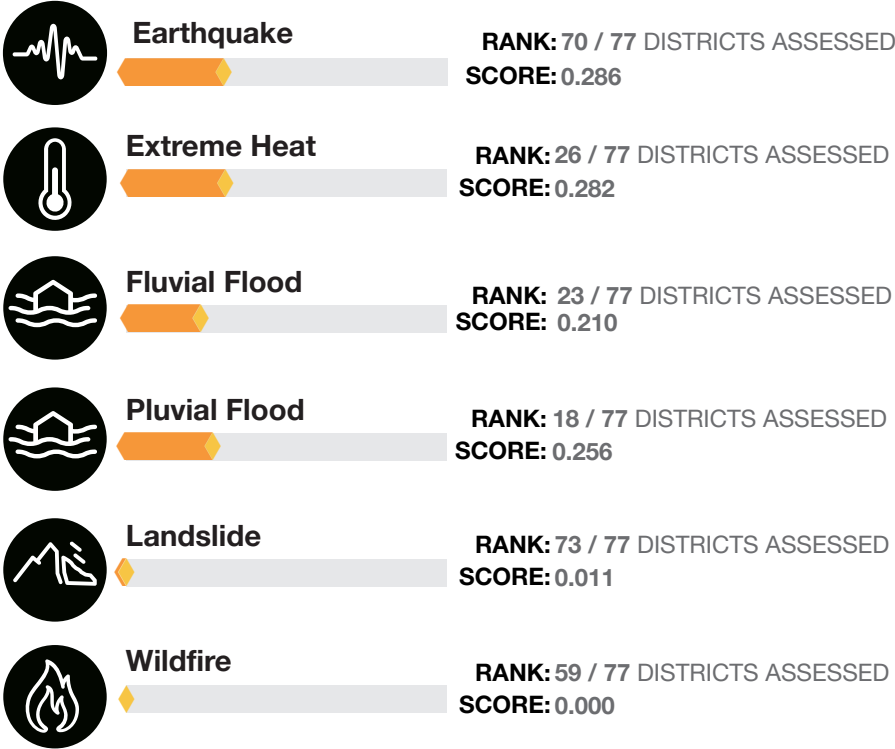


Logistics Capacity

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)

67 / 77

RANK WITHIN DISTRICTS
Score: 0.442



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

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

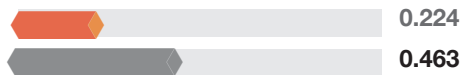
DISTRICTS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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