



NEPAL

CHITAWAN

NDPBA SUBNATIONAL PROFILE

NEPAL CHITAWAN

Area: 2,218 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low
Score: 0.508 • Rank: 48/77



RESILIENCE (R) - Very High
Score: 0.702 • Rank: 5/77



MULTI-HAZARD EXPOSURE (MHE) - Very High
Score: 0.928 • Rank: 1/77



VULNERABILITY (V) - Very Low
Score: 0.242 • Rank: 73/77



COPING CAPACITY (CC) - Very High
Score: 0.646 • Rank: 5/77



Population (2021 Statistical Yearbook)
722,168



Infant Mortality Rate (per 1,000 live births)
30.1



Population below Poverty Line
8.9%



Population with Safe Drinking Water
92.1%



Adult Literacy
72.2%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 77 DISTRICTS
SCORE: 0.928



MHE
0.928

Raw MHE
0.856

Relative MHE
1.000

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

583,750

\$1.38 Billion

Critical Infrastructure Exposed:
100%



Landslide

10%

55,787

\$32.45 Million

Critical Infrastructure Exposed:
2%



Extreme Heat

100%

581,124

\$1.38 Billion

Critical Infrastructure Exposed:
100%



Wildfire

100%

583,249

\$1.38 Billion

Critical Infrastructure Exposed:
100%



Fluvial Flood

24%

140,139

\$437.43 Million

Critical Infrastructure Exposed:
32%



Pluvial Flood

48%

281,088

\$650.93 Million

Critical Infrastructure Exposed:
47%

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



VULNERABILITY (V)

RANK: 73 / 77 DISTRICTS ASSESSED
SCORE: 0.242

Vulnerability in Chitawan 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: 0.317** **RANK: 69/77 DISTRICTS ASSESSED**

72.2% Adult Literacy	5.01 Mean Years of Schooling	96.8 Primary School Net Enrollment	17.21 Student Teacher Ratio
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Access to Clean Water Vulnerability

0  1 **SCORE: 0.231** **RANK: 74/77 DISTRICTS ASSESSED**

92.1% Access to Safe Drinking Water	5.9% Households without Toilet	32.6% Water Schemes in Disrepair	109.7 Typhoid Incidence (per 10,000)	15.2 Cholera Incidence (per 100,000)
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Economic Constraints

0  1 **SCORE: 0.238** **RANK: 74/77 DISTRICTS ASSESSED**

\$1,537 Income per Capita (PPP \$)	8.9% Poverty Headcount Ratio	1.7% Poverty Gap	61.5 Age Dependency Ratio
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Food Insecurity

0  1 **SCORE: 0.127** **RANK: 76/77 DISTRICTS ASSESSED**

10.6% Food Poverty Prevalence	28.1% Low kcal Intake Prevalence	35.9% Agricultural Insufficiency Rate
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Gender Inequality

0  1 **SCORE: 0.252** **RANK: 60/77 DISTRICTS ASSESSED**

0.20 Female to Male Literacy Ratio (Distance from Parity)	0.15 Female to Male Secondary Enrollment Ratio (Distance from Parity)	70.5% No Female Home nor Land Ownership
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VULNERABILITY (V)

RANK: 73 / 77 DISTRICTS ASSESSED
SCORE: 0.242

Vulnerability in Chitawan 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: 0.286** **RANK: 62/77 DISTRICTS ASSESSED**

69.2
Life Expectancy

2.2%
Disabled Population



Child Health

0  1 **SCORE: 0.284** **RANK: 63/77 DISTRICTS ASSESSED**

42.0%
Child Malnutrition Rate

30.1
Infant Mortality Rate (per 1,000 live births)

361.4
Child ARI Incidence (per 1,000)

22.4
Child Diarrhea Incidence (per 100)

49.8
Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 5 / 77 DISTRICTS ASSESSED
SCORE: 0.646

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



Economic Capacity

0  1 **SCORE: 0.720** **RANK: 6/77 DISTRICTS ASSESSED**

36,271

Gross Domestic Product (Million Rs.)

148,523

Labor Productivity (Rs.)



Governance

0  1 **SCORE: 0.371** **RANK: 62/77 DISTRICTS ASSESSED**

0.2

Average Annual Conflict (per 10,000)

6.29

Government Management (Score out of 9)

3.39

Organization and Administration (Score out of 8)

5.25

Budget and Plan Management (Score out of 11)

6.5

Fiscal and Financial Management (Score out of 11)

8.46

Service Flow (Score out of 16)

4.82

Judicial Work (Score out of 7)

4.21

Physical Infrastructure (Score out of 13)

2.57

Social Inclusion (Score out of 10)

2.32

Environmental Protection and Disaster Management (Score out of 9)

1.68

Cooperation and Coordination (Score out of 6)



Environmental Capacity

0  1 **SCORE: 0.781** **RANK: 8/77 DISTRICTS ASSESSED**

60.6%

Protected Area



COPING CAPACITY (CC)

RANK: 5 / 77 DISTRICTS ASSESSED
SCORE: 0.646

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



Infrastructure Capacity

0  1 **SCORE: 0.782** **RANK: 5/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.768** **RANK: 5/77 DISTRICTS ASSESSED**

12.6%
Households with Landline

7.2%
Households with Internet

53.7%
Households with Television

64.1%
Households with Radio

79.8%
Households with Mobile Phone



Logistics Capacity

0  1 **SCORE: 0.768** **RANK: 4/77 DISTRICTS ASSESSED**

11
Road Density (km per sq. km)

84.2%
Improved Roadway

17.5
Average Distance to Airport (km)

88.9
Average Distance to Dry Port (km)

17.5
Average Distance to Warehouse (km)

4.5
Average Distance to Police Station (km)

6.9
Average Distance to Hospital (km)

8.83
Operational Hospital Beds (per 10,000)



Energy Capacity

0  1 **SCORE: 0.810** **RANK: 5 / 77 DISTRICTS ASSESSED**

85.9%
Households with Electricity

39.7%
Households using Gas for Cooking



RESILIENCE (R)

RANK: 5 / 77 DISTRICTS ASSESSED

SCORE: 0.702

Chitawan’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



Communications 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.



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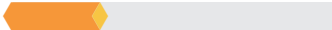


HAZARD-SPECIFIC RISK (HSR)



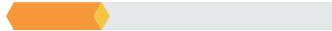
Earthquake

RANK: 71 / 77 DISTRICTS ASSESSED
SCORE: 0.258



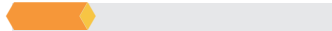
Extreme Heat

RANK: 30 / 77 DISTRICTS ASSESSED
SCORE: 0.254



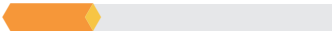
Fluvial Flood

RANK: 22 / 77 DISTRICTS ASSESSED
SCORE: 0.213



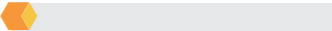
Pluvial Flood

RANK: 22 / 77 DISTRICTS ASSESSED
SCORE: 0.240



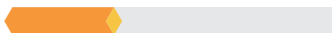
Landslide

RANK: 62 / 77 DISTRICTS ASSESSED
SCORE: 0.060



Wildfire

RANK: 19 / 77 DISTRICTS ASSESSED
SCORE: 0.295





MULTI-HAZARD RISK (MHR)

48 / 77

RANK WITHIN DISTRICTS
Score: 0.508



Chitawan's score and ranking are due to Very 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:

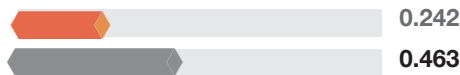
DISTRICTS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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