



NEPAL

MAKAWANPUR

NDPBA SUBNATIONAL PROFILE

NEPAL

MAKAWANPUR

Area: 2,426 km²

RISK AND VULNERABILITY COMPONENT SCORE

**MULTI-HAZARD RISK (MHR) -****Moderate**

Score: 0.550 • Rank: 32/77

**RESILIENCE (R) - High**

Score: 0.542 • Rank: 23/77

**MULTI-HAZARD EXPOSURE****(MHE) - Very High**

Score: 0.736 • Rank: 10/77

**VULNERABILITY (V) -****Moderate**

Score: 0.441 • Rank: 39/77

**COPING CAPACITY (CC) - High**

Score: 0.526 • Rank: 17/77

Population (2021 Statistical
Yearbook)**461,053**Infant Mortality Rate (per
1,000 live births)**32.4**Population below Poverty
Line**27.9%**Population with Safe
Drinking Water**80.8%**

Adult Literacy

61.8%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 77 DISTRICTS

SCORE: 0.736



MHE
0.736

Raw MHE
0.780

Relative MHE
0.691

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

399,546

\$1.06 Billion

Critical Infrastructure Exposed:
100%



Landslide

59%

235,181

\$620.06 Million

Critical Infrastructure Exposed:
59%



Extreme Heat

68%

273,110

\$848.92 Million

Critical Infrastructure Exposed:
80%



Wildfire

50%

199,922

\$506.13 Million

Critical Infrastructure Exposed:
48%



Fluvial Flood

3%

13,710

\$315.13 Million

Critical Infrastructure Exposed:
30%



Pluvial Flood

14%

54,886

\$480.66 Million

Critical Infrastructure Exposed:
45%

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



VULNERABILITY (V)

RANK: 39 / 77 DISTRICTS ASSESSED
SCORE: 0.441

Vulnerability in Makawanpur is primarily driven by Information Access Vulnerability and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.601** **RANK: 27/77 DISTRICTS ASSESSED**

61.8%

Adult Literacy

3.63

Mean Years of
Schooling

91.4

Primary
School Net
Enrollment

29.23

Student
Teacher Ratio



Access to Clean Water Vulnerability

0  1 **SCORE: 0.374** **RANK: 52/77 DISTRICTS ASSESSED**

80.8%

Access to Safe
Drinking Water

40.3%

Households
without Toilet

41.6%

Water
Schemes in
Disrepair

51.3

Typhoid
Incidence (per
10,000)

14.2

Cholera
Incidence (per
100,000)



Economic Constraints

0  1 **SCORE: 0.459** **RANK: 51/77 DISTRICTS ASSESSED**

\$1,410

Income per
Capita (PPP \$)

27.9%

Poverty
Headcount
Ratio

7.3%

Poverty Gap

72.9

Age
Dependency
Ratio



Food Insecurity

0  1 **SCORE: 0.420** **RANK: 46/77 DISTRICTS ASSESSED**

25.6%

Food Poverty
Prevalence

41.4%

Low kcal
Intake
Prevalence

46.0%

Agricultural
Insufficiency
Rate



Gender Inequality

0  1 **SCORE: 0.499** **RANK: 22/77 DISTRICTS ASSESSED**

0.28

Female to Male
Literacy Ratio
(Distance from
Parity)

0.22

Female to Male
Secondary
Enrollment Ratio
(Distance from Parity)

80.2%

No Female
Home
nor Land
Ownership



VULNERABILITY (V)

RANK: 39 / 77 DISTRICTS ASSESSED
SCORE: 0.441

Vulnerability in Makawanpur is primarily driven by Information Access Vulnerability and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.294** **RANK: 60/77 DISTRICTS ASSESSED**

68.0

Life
Expectancy

2.0%

Disabled
Population



Child Health

0  1 **SCORE: 0.280** **RANK: 65/77 DISTRICTS ASSESSED**

25.1%

Child
Malnutrition
Rate

32.4

Infant Mortality
Rate (per
1,000 live
births)

568.6

Child ARI
Incidence (per
1,000)

42.5

Child Diarrhea
Incidence (per
100)

40.5

Child
Pneumonia
Incidence (per
1,000)



COPING CAPACITY (CC)

RANK: 17 / 77 DISTRICTS ASSESSED
SCORE: 0.526

Makawanpur 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: 0.510** **RANK: 13/77 DISTRICTS ASSESSED**

24,157

Gross Domestic
Product (Million Rs.)

123,348

Labor Productivity
(Rs.)



Governance

0  1 **SCORE: 0.443** **RANK: 48/77 DISTRICTS ASSESSED**

0.14

Average
Annual Conflict
(per 10,000)

6.44

Government
Management
(Score out
of 9)

5.09

Organization
and
Administration
(Score out
of 8)

5.56

Budget
and Plan
Management
(Score out
of 11)

6.5

Fiscal and
Financial
Management
(Score out
of 11)

7.69

Service Flow
(Score out
of 16)

5

Judicial Work
(Score out
of 7)

5

Physical
Infrastructure
(Score out
of 13)

3.78

Social Inclusion
(Score out of
10)

2.78

Environmental
Protection
and Disaster
Management
(Score out
of 9)

1.59

Cooperation
and
Coordination
(Score out
of 6)



Environmental Capacity

0  1 **SCORE: 0.400** **RANK: 28/77 DISTRICTS ASSESSED**

15.9%

Protected Area



COPING CAPACITY (CC)

RANK: 17 / 77 DISTRICTS ASSESSED
SCORE: 0.526

Makawanpur 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: 0.628** **RANK: 11/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.602** **RANK: 10/77 DISTRICTS ASSESSED**

6.6%

Households
with Landline

2.4%

Households
with Internet

38.5%

Households
with Television

59.7%

Households
with Radio

66.7%

Households
with Mobile
Phone



Logistics Capacity

0  1 **SCORE: 0.633** **RANK: 19/77 DISTRICTS ASSESSED**

14

Road Density
(km per sq. km)

80.9%

Improved
Roadway

13.7

Average
Distance to
Airport (km)

63.5

Average
Distance to
Dry Port (km)

13.7

Average
Distance to
Warehouse
(km)

10.0

Average
Distance to
Police Station
(km)

14.3

Average
Distance to
Hospital (km)

2.71

Operational
Hospital Beds
(per 10,000)



Energy Capacity

0  1 **SCORE: 0.649** **RANK: 17 / 77 DISTRICTS ASSESSED**

72.6%

Households
with Electricity

18.9%

Households
using Gas for
Cooking



RESILIENCE (R)

RANK: 23 / 77 DISTRICTS ASSESSED

SCORE: 0.542

Makawanpur's score and ranking are due to Moderate Vulnerability combined with High Coping Capacity scores.

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



**Information Access
Vulnerability**



Gender Inequality



**Communications
Capacity**



Logistics Capacity

KEY FACTORS INFLUENCING RESILIENCE



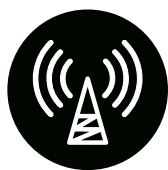
Information Access Vulnerability

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.



Gender Inequality

Marginalized populations are less likely to have their needs met under pre-disaster conditions, and therefore become even more susceptible to harm during times of disaster. Increase gender-based inclusion in all phases of DM, ensuring the implementation at subnational and local levels. Courses of action must recognize the role of women in society and support changes to policies and programs to promote gender-equal access.



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.

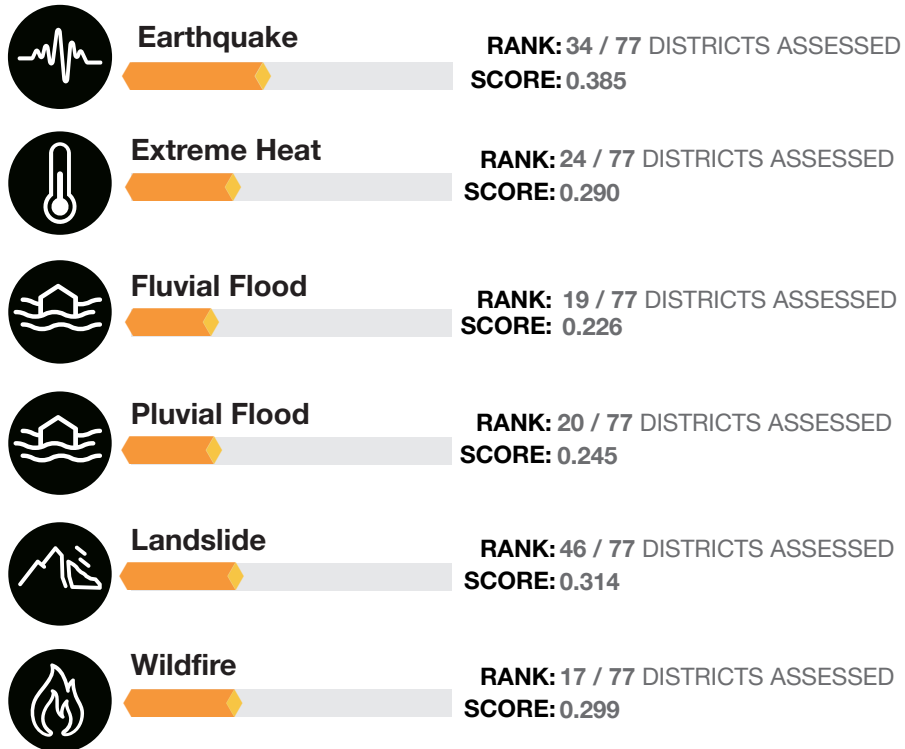


Logistics Capacity

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)

32 / 77RANK WITHIN DISTRICTS
Score: 0.550

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

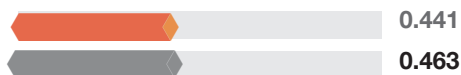
Multi-hazard risk component scores compared to overall average country scores:

**DISTRICTS SCORE**
COUNTRY SCORE

Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

**1305 N Holopono Street
Suite 2, Kihei, HI 96753**

**P: (808) 891-0525
F: (808) 891-0526**



@PDC_Global



/PDCGlobal



www.pdc.org



ndpba.npl@pdc.org