



NEPAL

NAWALPARASI EAST

NDPBA SUBNATIONAL PROFILE

NEPAL

NAWALPARASI EAST

Area: 1,826 km²

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Moderate
Score: 0.515 • Rank: 45/77



RESILIENCE (R) - Very High
Score: 0.641 • Rank: 8/77



MULTI-HAZARD EXPOSURE (MHE) - Very High
Score: 0.827 • Rank: 5/77



VULNERABILITY (V) - Very Low
Score: 0.290 • Rank: 70/77



COPING CAPACITY (CC) - Very High
Score: 0.571 • Rank: 10/77



Population (2021 Statistical Yearbook)
381,105



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: 5 / 77 DISTRICTS

SCORE: 0.827



MHE
0.827

Raw MHE
0.720

Relative MHE
0.934

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

307,095

\$589.03 Million

Critical Infrastructure Exposed:
100%



Landslide

26%

78,621

\$179.61 Million

Critical Infrastructure Exposed:
30%



Extreme Heat

100%

307,095

\$589.03 Million

Critical Infrastructure Exposed:
100%



Wildfire

100%

305,817

\$589.03 Million

Critical Infrastructure Exposed:
100%



Fluvial Flood

13%

40,349

\$81.18 Million

Critical Infrastructure Exposed:
14%



Pluvial Flood

29%

89,956

\$201.16 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: 70 / 77 DISTRICTS ASSESSED
SCORE: 0.290

Vulnerability in Nawalparasi East 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



Access to Clean Water Vulnerability

0  1 **SCORE: 0.280** **RANK: 66/77 DISTRICTS ASSESSED**

91.9%

Access to Safe
Drinking Water

38.0%

Households
without Toilet

35.7%

Water
Schemes in
Disrepair

150.8

Typhoid
Incidence (per
10,000)

0.0

Cholera
Incidence (per
100,000)



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



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



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



VULNERABILITY (V)

RANK: 70 / 77 DISTRICTS ASSESSED
SCORE: 0.290

Vulnerability in Nawalparasi East 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: 0.267** **RANK: 66/77 DISTRICTS ASSESSED**

67.8

Life
Expectancy

1.7%

Disabled
Population



Child Health

0  1 **SCORE: 0.253** **RANK: 73/77 DISTRICTS ASSESSED**

38.9%

Child
Malnutrition
Rate

37.8

Infant Mortality
Rate (per
1,000 live
births)

349.0

Child ARI
Incidence (per
1,000)

17.9

Child Diarrhea
Incidence (per
100)

25.5

Child
Pneumonia
Incidence (per
1,000)



COPING CAPACITY (CC)

RANK: 10 / 77 DISTRICTS ASSESSED
SCORE: 0.571

Nawalparasi East 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

Gross Domestic
Product (Million Rs.)

97,732

Labor Productivity
(Rs.)



Governance

0  1 **SCORE: 0.624** **RANK: 14/77 DISTRICTS ASSESSED**

0.11

Average
Annual Conflict
(per 10,000)

6.43

Government
Management
(Score out
of 9)

5.14

Organization
and
Administration
(Score out
of 8)

6.46

Budget
and Plan
Management
(Score out
of 11)

8.18

Fiscal and
Financial
Management
(Score out
of 11)

9.54

Service Flow
(Score out
of 16)

5.25

Judicial Work
(Score out
of 7)

5.82

Physical
Infrastructure
(Score out
of 13)

5.21

Social Inclusion
(Score out of
10)

4.54

Environmental
Protection
and Disaster
Management
(Score out
of 9)

3.61

Cooperation
and
Coordination
(Score out
of 6)



Environmental Capacity

0  1 **SCORE: 0.411** **RANK: 26/77 DISTRICTS ASSESSED**

16.8%

Protected Area



COPING CAPACITY (CC)

RANK: 10 / 77 DISTRICTS ASSESSED
SCORE: 0.571

Nawalparasi East 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: 0.614** **RANK: 16/77 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



Logistics Capacity

0  1 **SCORE: 0.597** **RANK: 30/77 DISTRICTS ASSESSED**

17

Road Density
(km per sq. km)

60.3%

Improved
Roadway

44.8

Average
Distance to
Airport (km)

77.3

Average
Distance to
Dry Port (km)

44.8

Average
Distance to
Warehouse
(km)

7.2

Average
Distance to
Police Station
(km)

10.4

Average
Distance to
Hospital (km)

1.15

Operational
Hospital Beds
(per 10,000)



Energy Capacity

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

80.9%

Households
with Electricity

17.0%

Households
using Gas for
Cooking



RESILIENCE (R)

RANK: 8 / 77 DISTRICTS ASSESSED

SCORE: 0.641

Nawalparasi East'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



Economic
Constraints



Communications
Capacity



Logistics Capacity

KEY FACTORS INFLUENCING RESILIENCE



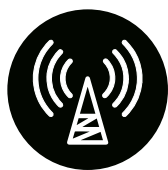
Information Access Vulnerability

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.



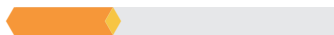
HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 69 / 77 DISTRICTS ASSESSED

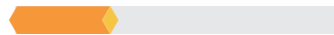
SCORE: 0.287



Extreme Heat

RANK: 28 / 77 DISTRICTS ASSESSED

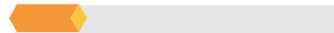
SCORE: 0.270



Fluvial Flood

RANK: 32 / 77 DISTRICTS ASSESSED

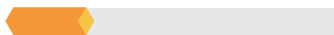
SCORE: 0.179



Pluvial Flood

RANK: 28 / 77 DISTRICTS ASSESSED

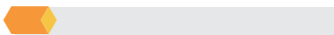
SCORE: 0.212



Landslide

RANK: 55 / 77 DISTRICTS ASSESSED

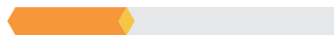
SCORE: 0.108



Wildfire

RANK: 12 / 77 DISTRICTS ASSESSED

SCORE: 0.323





MULTI-HAZARD RISK (MHR)

45 / 77RANK WITHIN DISTRICTS
Score: 0.515

Nawalparasi East'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:

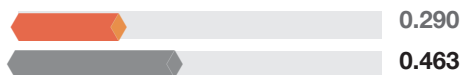
  **DISTRICTS SCORE**
 **COUNTRY SCORE**



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

**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