



NEPAL

BHAKTAPUR

NDPBA SUBNATIONAL PROFILE

NEPAL

BHAKTAPUR

Area: 119 km²



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) -

Very Low

Score: 0.304 • Rank: 75/77



RESILIENCE (R) - Very High

Score: 0.709 • Rank: 4/77



MULTI-HAZARD EXPOSURE (MHE) - Very Low

Very Low

Score: 0.329 • Rank: 73/77



VULNERABILITY (V) - Very Low

Score: 0.227 • Rank: 75/77



COPING CAPACITY (CC) - Very High

High

Score: 0.644 • Rank: 6/77



Population (2021 Statistical Yearbook)

430,408



Infant Mortality Rate (per 1,000 live births)

11.0



Population below Poverty Line

12.5%



Population with Safe Drinking Water

88.6%



Adult Literacy

78.1%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 73 / 77 DISTRICTS

SCORE: 0.329



MHE
0.329

Raw MHE
0.629

Relative MHE
0.030

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

334,427

\$911.71 Million

Critical Infrastructure Exposed:
100%



Landslide

13%

44,272

\$60.19 Million

Critical Infrastructure Exposed:
7%



Extreme Heat

0%

0

\$0

Critical Infrastructure Exposed:
0%



Wildfire

0%

0

\$0

Critical Infrastructure Exposed:
0%



Fluvial Flood

13%

42,849

-

Critical Infrastructure Exposed:
-



Pluvial Flood

22%

72,927

-

Critical Infrastructure Exposed:
-

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



VULNERABILITY (V)

RANK: 75 / 77 DISTRICTS ASSESSED
SCORE: 0.227

Vulnerability in Bhaktapur is primarily driven by Food Insecurity and Information Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0  1 **SCORE: 0.271** **RANK: 73/77 DISTRICTS ASSESSED**

78.1%

Adult Literacy

6.19

Mean Years of
Schooling

95.1

Primary
School Net
Enrollment

15.43

Student
Teacher Ratio



Access to Clean Water Vulnerability

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

88.6%

Access to Safe
Drinking Water

3.0%

Households
without Toilet

28.7%

Water
Schemes in
Disrepair

99.6

Typhoid
Incidence (per
10,000)

0.3

Cholera
Incidence (per
100,000)



Economic Constraints

0  1 **SCORE: 0.239** **RANK: 73/77 DISTRICTS ASSESSED**

\$1,379

Income per
Capita (PPP \$)

12.5%

Poverty
Headcount
Ratio

2.9%

Poverty Gap

47.7

Age
Dependency
Ratio



Food Insecurity

0  1 **SCORE: 0.416** **RANK: 47/77 DISTRICTS ASSESSED**

12.3%

Food Poverty
Prevalence

35.1%

Low kcal
Intake
Prevalence

68.2%

Agricultural
Insufficiency
Rate



Gender Inequality

0  1 **SCORE: 0.222** **RANK: 63/77 DISTRICTS ASSESSED**

0.24

Female to Male
Literacy Ratio
(Distance from
Parity)

0.06

Female to Male
Secondary
Enrollment Ratio
(Distance from Parity)

76.7%

No Female
Home
nor Land
Ownership



VULNERABILITY (V)

RANK: 75 / 77 DISTRICTS ASSESSED
SCORE: 0.227

Vulnerability in Bhaktapur is primarily driven by Food Insecurity and Information Access Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.053** **RANK: 77/77 DISTRICTS ASSESSED**

74.2

Life
Expectancy

1.1%

Disabled
Population



Child Health

0  1 **SCORE: 0.136** **RANK: 74/77 DISTRICTS ASSESSED**

26.9%

Child
Malnutrition
Rate

11.0

Infant Mortality
Rate (per
1,000 live
births)

250.2

Child ARI
Incidence (per
1,000)

21.4

Child Diarrhea
Incidence (per
100)

28.7

Child
Pneumonia
Incidence (per
1,000)



COPING CAPACITY (CC)

RANK: 6 / 77 DISTRICTS ASSESSED
SCORE: 0.644

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



Economic Capacity

0  1 **SCORE: 0.467** **RANK: 21/77 DISTRICTS ASSESSED**

17,142

Gross Domestic
Product (Million Rs.)

132,375

Labor Productivity
(Rs.)



Governance

0  1 **SCORE: 0.608** **RANK: 17/77 DISTRICTS ASSESSED**

0.2

Average
Annual Conflict
(per 10,000)

7.17

Government
Management
(Score out
of 9)

5.25

Organization
and
Administration
(Score out
of 8)

6.92

Budget
and Plan
Management
(Score out
of 11)

7.5

Fiscal and
Financial
Management
(Score out
of 11)

11.08

Service Flow
(Score out
of 16)

6.33

Judicial Work
(Score out
of 7)

4.33

Physical
Infrastructure
(Score out
of 13)

3.92

Social Inclusion
(Score out of
10)

3.33

Environmental
Protection
and Disaster
Management
(Score out
of 9)

3

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: 6 / 77 DISTRICTS ASSESSED
SCORE: 0.644

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



Infrastructure Capacity

0  1 **SCORE: 0.921** **RANK: 2/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.882** **RANK: 2/77 DISTRICTS ASSESSED**

25.5%

Households
with Landline

13.1%

Households
with Internet

82.7%

Households
with Television

56.2%

Households
with Radio

86.9%

Households
with Mobile
Phone



Logistics Capacity

0  1 **SCORE: 0.925** **RANK: 2/77 DISTRICTS ASSESSED**

97

Road Density
(km per sq. km)

100.0%

Improved
Roadway

8.0

Average
Distance to
Airport (km)

71.9

Average
Distance to
Dry Port (km)

8.0

Average
Distance to
Warehouse
(km)

1.6

Average
Distance to
Police Station
(km)

2.5

Average
Distance to
Hospital (km)

4.07

Operational
Hospital Beds
(per 10,000)



Energy Capacity

0  1 **SCORE: 0.956** **RANK: 3 / 77 DISTRICTS ASSESSED**

97.8%

Households
with Electricity

69.2%

Households
using Gas for
Cooking



RESILIENCE (R)

RANK: 4 / 77 DISTRICTS ASSESSED

SCORE: 0.709

Bhaktapur'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:



Food Insecurity



Information Access
Vulnerability



Economic Capacity



Environmental
Capacity

KEY FACTORS INFLUENCING RESILIENCE



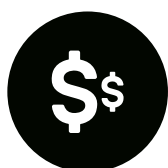
Food Insecurity

The changing frequency and intensity of disasters can expose the entire food system to supply chain disruptions. Promoting resilient agricultural systems through training of local farmers in sustainable practices (e.g., soil improvement, erosion reduction) and improving efficiencies in food marketing, storage, delivery, and waste management will help to increase the nutrition and food security of present and future generations.



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 Capacity

A strong economic foundation provides an indication of a region's ability to absorb economic losses and quickly mobilize financial assets for preparedness, response and recovery activities. Limited economic capacity correlates to disproportionate disaster impacts.



Environmental Capacity

Properly managed environments sustain populations by providing food, water, and even economic benefits from industries such as tourism. Increasing protected areas can also serve as additional buffers between the population and impacted areas.



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 72 / 77 DISTRICTS ASSESSED

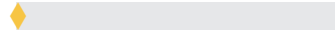
SCORE: 0.244



Extreme Heat

RANK: 61 / 77 DISTRICTS ASSESSED

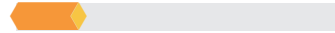
SCORE: 0.000



Fluvial Flood

RANK: 35 / 77 DISTRICTS ASSESSED

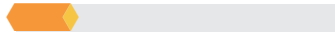
SCORE: 0.175



Pluvial Flood

RANK: 39 / 77 DISTRICTS ASSESSED

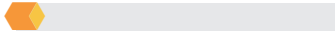
SCORE: 0.163



Landslide

RANK: 61 / 77 DISTRICTS ASSESSED

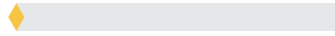
SCORE: 0.071



Wildfire

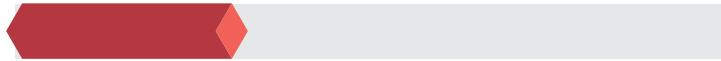
RANK: 59 / 77 DISTRICTS ASSESSED

SCORE: 0.000





MULTI-HAZARD RISK (MHR)

75 / 77RANK WITHIN DISTRICTS
Score: 0.304

Bhaktapur's score and ranking are due to Very Low 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