



NEPAL

DHANKUTA

NDPBA SUBNATIONAL PROFILE

NEPAL

DHANKUTA

Area: 891 km²



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low
Score: 0.430 • Rank: 71/77



RESILIENCE (R) - High
Score: 0.576 • Rank: 16/77



MULTI-HAZARD EXPOSURE (MHE) - Low
Score: 0.442 • Rank: 54/77



VULNERABILITY (V) - Low
Score: 0.338 • Rank: 60/77



COPING CAPACITY (CC) - High
Score: 0.491 • Rank: 24/77



Population (2021 Statistical Yearbook)
149,984



Infant Mortality Rate (per 1,000 live births)
20.6



Population below Poverty Line
15.9%



Population with Safe Drinking Water
83.5%



Adult Literacy
68.6%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 54 / 77 DISTRICTS
SCORE: 0.442



MHE
0.442

Raw MHE
0.487

Relative MHE
0.397

ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

100%

👤 150,595

\$292.09 Million

Critical Infrastructure Exposed:
100%



Landslide

99%

👤 148,904

\$284.02 Million

Critical Infrastructure Exposed:
97%



Extreme Heat

24%

👤 36,805

\$98.71 Million

Critical Infrastructure Exposed:
34%



Wildfire

7%

👤 11,143

\$27.19 Million

Critical Infrastructure Exposed:
9%



Fluvial Flood

<1%

👤 484

\$9.83 Million

Critical Infrastructure Exposed:
3%



Pluvial Flood

1%

👤 2,088

\$37.58 Million

Critical Infrastructure Exposed:
13%

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



VULNERABILITY (V)

RANK: 60 / 77 DISTRICTS ASSESSED
SCORE: 0.338

Vulnerability in Dhankuta is primarily driven by Food Insecurity and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Information Access Vulnerability

0 1 **SCORE: 0.345** **RANK: 64/77 DISTRICTS ASSESSED**

68.6% Adult Literacy	4.36 Mean Years of Schooling	96.8 Primary School Net Enrollment	12.83 Student Teacher Ratio
--------------------------------	---	--	--



Access to Clean Water Vulnerability

0 1 **SCORE: 0.373** **RANK: 53/77 DISTRICTS ASSESSED**

83.5% Access to Safe Drinking Water	22.8% Households without Toilet	39.0% Water Schemes in Disrepair	136.5 Typhoid Incidence (per 10,000)	23.6 Cholera Incidence (per 100,000)
--	--	--	--	--



Economic Constraints

0 1 **SCORE: 0.350** **RANK: 63/77 DISTRICTS ASSESSED**

\$1,257 Income per Capita (PPP \$)	15.9% Poverty Headcount Ratio	2.9% Poverty Gap	70.9 Age Dependency Ratio
---	---	----------------------------	---



Food Insecurity

0 1 **SCORE: 0.422** **RANK: 45/77 DISTRICTS ASSESSED**

20.9% Food Poverty Prevalence	34.7% Low kcal Intake Prevalence	60.4% Agricultural Insufficiency Rate
--	--	---



Gender Inequality

0 1 **SCORE: 0.149** **RANK: 73/77 DISTRICTS ASSESSED**

0.24 Female to Male Literacy Ratio (Distance from Parity)	0.01 Female to Male Secondary Enrollment Ratio (Distance from Parity)	76.3% No Female Home nor Land Ownership
--	--	--



VULNERABILITY (V)

RANK: 60 / 77 DISTRICTS ASSESSED
SCORE: 0.338

Vulnerability in Dhankuta is primarily driven by Food Insecurity and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Vulnerable Health Status

0  1 **SCORE: 0.391** **RANK: 37/77 DISTRICTS ASSESSED**

69.1
Life Expectancy

3.0%
Disabled Population



Child Health

0  1 **SCORE: 0.410** **RANK: 41/77 DISTRICTS ASSESSED**

44.9%
Child Malnutrition Rate

20.6
Infant Mortality Rate (per 1,000 live births)

887.7
Child ARI Incidence (per 1,000)

33.6
Child Diarrhea Incidence (per 100)

92.9
Child Pneumonia Incidence (per 1,000)



COPING CAPACITY (CC)

RANK: 24 / 77 DISTRICTS ASSESSED
SCORE: 0.491

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



Economic Capacity

0 1 **SCORE: 0.239** **RANK: 47/77 DISTRICTS ASSESSED**

8,335 **91,562**
 Gross Domestic Product (Million Rs.) Labor Productivity (Rs.)



Governance

0 1 **SCORE: 0.670** **RANK: 3/77 DISTRICTS ASSESSED**

0.42 Average Annual Conflict (per 10,000)	7.25 Government Management (Score out of 9)	5.29 Organization and Administration (Score out of 8)	6.21 Budget and Plan Management (Score out of 11)	8.04 Fiscal and Financial Management (Score out of 11)	10.25 Service Flow (Score out of 16)	6.04 Judicial Work (Score out of 7)	5.36 Physical Infrastructure (Score out of 13)
5.07 Social Inclusion (Score out of 10)	4.18 Environmental Protection and Disaster Management (Score out of 9)	3.18 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: 24 / 77 DISTRICTS ASSESSED
SCORE: 0.491

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



Infrastructure Capacity

0  1 **SCORE: 0.606** **RANK: 18/77 DISTRICTS ASSESSED**



Communications Capacity

0  1 **SCORE: 0.603** **RANK: 9/77 DISTRICTS ASSESSED**

4.9% Households with Landline	1.3% Households with Internet	40.1% Households with Television	61.0% Households with Radio	75.8% Households with Mobile Phone
---	---	--	---------------------------------------	--



Logistics Capacity

0  1 **SCORE: 0.550** **RANK: 44/77 DISTRICTS ASSESSED**

15 Road Density (km per sq. km)	93.3% Improved Roadway	45.3 Average Distance to Airport (km)	76.7 Average Distance to Dry Port (km)	45.3 Average Distance to Warehouse (km)	15.6 Average Distance to Police Station (km)	13.0 Average Distance to Hospital (km)	1.8 Operational Hospital Beds (per 10,000)
---	----------------------------------	---	--	---	--	--	--



Energy Capacity

0  1 **SCORE: 0.666** **RANK: 16 /77 DISTRICTS ASSESSED**

84.0% Households with Electricity	12.2% Households using Gas for Cooking
---	--



RESILIENCE (R)

RANK: 16 / 77 DISTRICTS ASSESSED

SCORE: 0.576

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

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



Food Insecurity



Vulnerable Health Status



Logistics Capacity



Communications 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.



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.



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.



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.



HAZARD-SPECIFIC RISK (HSR)



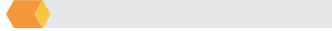
Earthquake

RANK: 65 / 77 DISTRICTS ASSESSED
SCORE: 0.304



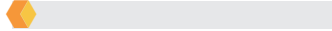
Extreme Heat

RANK: 49 / 77 DISTRICTS ASSESSED
SCORE: 0.082



Fluvial Flood

RANK: 74 / 77 DISTRICTS ASSESSED
SCORE: 0.041



Pluvial Flood

RANK: 75 / 77 DISTRICTS ASSESSED
SCORE: 0.077



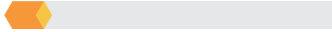
Landslide

RANK: 45 / 77 DISTRICTS ASSESSED
SCORE: 0.318



Wildfire

RANK: 53 / 77 DISTRICTS ASSESSED
SCORE: 0.092





MULTI-HAZARD RISK (MHR)

71 / 77

RANK WITHIN DISTRICTS
Score: 0.430



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

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

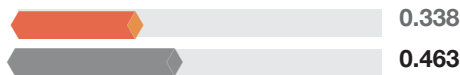
DISTRICTS SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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

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



@PDC_Global



/PDCGlobal



www.pdc.org



ndpba.npl@pdc.org