



NEPAL

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**PALPA**

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**NDPBA SUBNATIONAL PROFILE**

# NEPAL PALPA

Area: 1,373 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR) -

**Moderate**

Score: 0.526 • Rank: 40/77



### RESILIENCE (R) - High

Score: 0.540 • Rank: 25/77



### MULTI-HAZARD EXPOSURE (MHE) - High

**High**

Score: 0.660 • Rank: 26/77



### VULNERABILITY (V) - Low

Score: 0.383 • Rank: 57/77



### COPING CAPACITY (CC) -

**Moderate**

Score: 0.464 • Rank: 29/77



Population (2021 Statistical Yearbook)

**242,423**



Infant Mortality Rate (per 1,000 live births)

**19.3**



Population below Poverty Line

**21.6%**



Population with Safe Drinking Water

**81.3%**



Adult Literacy

**70.8%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 26 / 77 DISTRICTS

SCORE: 0.660



MHE  
0.660

Raw MHE  
0.647

Relative MHE  
0.672

## ESTIMATED EXPOSURE TO EACH HAZARD:



Earthquake

**100%**

239,817

\$609.55 Million

Critical Infrastructure Exposed:  
100%



Landslide

**90%**

216,217

\$598.65 Million

Critical Infrastructure Exposed:  
98%



Extreme Heat

**80%**

192,330

\$525.8 Million

Critical Infrastructure Exposed:  
86%



Wildfire

**15%**

35,944

\$66.68 Million

Critical Infrastructure Exposed:  
11%



Fluvial Flood

**1%**

2,171

-

Critical Infrastructure Exposed:  
-



Pluvial Flood

**4%**

10,615

\$27.11 Million

Critical Infrastructure Exposed:  
4%

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



## VULNERABILITY (V)

**RANK: 57 / 77 DISTRICTS ASSESSED**  
**SCORE: 0.383**

Vulnerability in Palpa is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Information Access Vulnerability

0  1 **SCORE: 0.322** **RANK: 67/77 DISTRICTS ASSESSED**

<b>70.8%</b> Adult Literacy	<b>4.35</b> Mean Years of Schooling	<b>97</b> Primary School Net Enrollment	<b>12.4</b> Student Teacher Ratio
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### Access to Clean Water Vulnerability

0  1 **SCORE: 0.565** **RANK: 18/77 DISTRICTS ASSESSED**

<b>81.3%</b> Access to Safe Drinking Water	<b>23.7%</b> Households without Toilet	<b>34.8%</b> Water Schemes in Disrepair	<b>343.2</b> Typhoid Incidence (per 10,000)	<b>131.5</b> Cholera Incidence (per 100,000)
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### Economic Constraints

0  1 **SCORE: 0.472** **RANK: 47/77 DISTRICTS ASSESSED**

<b>\$985</b> Income per Capita (PPP \$)	<b>21.6%</b> Poverty Headcount Ratio	<b>5.2%</b> Poverty Gap	<b>79.8</b> Age Dependency Ratio
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### Food Insecurity

0  1 **SCORE: 0.444** **RANK: 41/77 DISTRICTS ASSESSED**

<b>21.8%</b> Food Poverty Prevalence	<b>33.4%</b> Low kcal Intake Prevalence	<b>64.9%</b> Agricultural Insufficiency Rate
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### Gender Inequality

0  1 **SCORE: 0.211** **RANK: 66/77 DISTRICTS ASSESSED**

<b>0.24</b> Female to Male Literacy Ratio (Distance from Parity)	<b>0.02</b> Female to Male Secondary Enrollment Ratio (Distance from Parity)	<b>80.6%</b> No Female Home nor Land Ownership
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## VULNERABILITY (V)

RANK: 57 / 77 DISTRICTS ASSESSED  
SCORE: 0.383

Vulnerability in Palpa is primarily driven by Clean Water Access Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



## Vulnerable Health Status

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

**71.3**  
Life Expectancy

**2.5%**  
Disabled Population



## Child Health

0  1 SCORE: 0.336 RANK: 52/77 DISTRICTS ASSESSED

**35.9%**  
Child Malnutrition Rate

**19.3**  
Infant Mortality Rate (per 1,000 live births)

**621.9**  
Child ARI Incidence (per 1,000)

**37.2**  
Child Diarrhea Incidence (per 100)

**85.2**  
Child Pneumonia Incidence (per 1,000)



## COPING CAPACITY (CC)

**RANK: 29 / 77 DISTRICTS ASSESSED**  
**SCORE: 0.464**

Palpa 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: 0.245** **RANK: 46/77 DISTRICTS ASSESSED**

**10,374**

Gross Domestic Product (Million Rs.)

**87,236**

Labor Productivity (Rs.)



## Governance

0  1 **SCORE: 0.570** **RANK: 22/77 DISTRICTS ASSESSED**

**0.16**

Average Annual Conflict (per 10,000)

**6.98**

Government Management (Score out of 9)

**4.2**

Organization and Administration (Score out of 8)

**6.03**

Budget and Plan Management (Score out of 11)

**7.03**

Fiscal and Financial Management (Score out of 11)

**9.05**

Service Flow (Score out of 16)

**5.38**

Judicial Work (Score out of 7)

**5.35**

Physical Infrastructure (Score out of 13)

**6.18**

Social Inclusion (Score out of 10)

**3.73**

Environmental Protection and Disaster Management (Score out of 9)

**2.38**

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: 29 / 77 DISTRICTS ASSESSED**  
**SCORE: 0.464**

Palpa 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: 0.609** **RANK: 17/77 DISTRICTS ASSESSED**



### Communications Capacity

0  1 **SCORE: 0.609** **RANK: 8/77 DISTRICTS ASSESSED**

<b>3.7%</b> Households with Landline	<b>2.4%</b> Households with Internet	<b>31.9%</b> Households with Television	<b>66.0%</b> Households with Radio	<b>75.7%</b> Households with Mobile Phone
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### Logistics Capacity

0  1 **SCORE: 0.590** **RANK: 32/77 DISTRICTS ASSESSED**

<b>18</b> Road Density (km per sq. km)	<b>57.4%</b> Improved Roadway	<b>26.1</b> Average Distance to Airport (km)	<b>52.8</b> Average Distance to Dry Port (km)	<b>26.1</b> Average Distance to Warehouse (km)	<b>11.0</b> Average Distance to Police Station (km)	<b>9.9</b> Average Distance to Hospital (km)	<b>1.24</b> Operational Hospital Beds (per 10,000)
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### Energy Capacity

0  1 **SCORE: 0.628** **RANK: 24 /77 DISTRICTS ASSESSED**

<b>73.0%</b> Households with Electricity	<b>15.0%</b> Households using Gas for Cooking
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## RESILIENCE (R)

RANK: 25 / 77 DISTRICTS ASSESSED

SCORE: 0.540

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

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



Clean Water Access Vulnerability



Economic Constraints



Logistics Capacity



Communications Capacity

## KEY FACTORS INFLUENCING RESILIENCE



### Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.



### 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.



### 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.



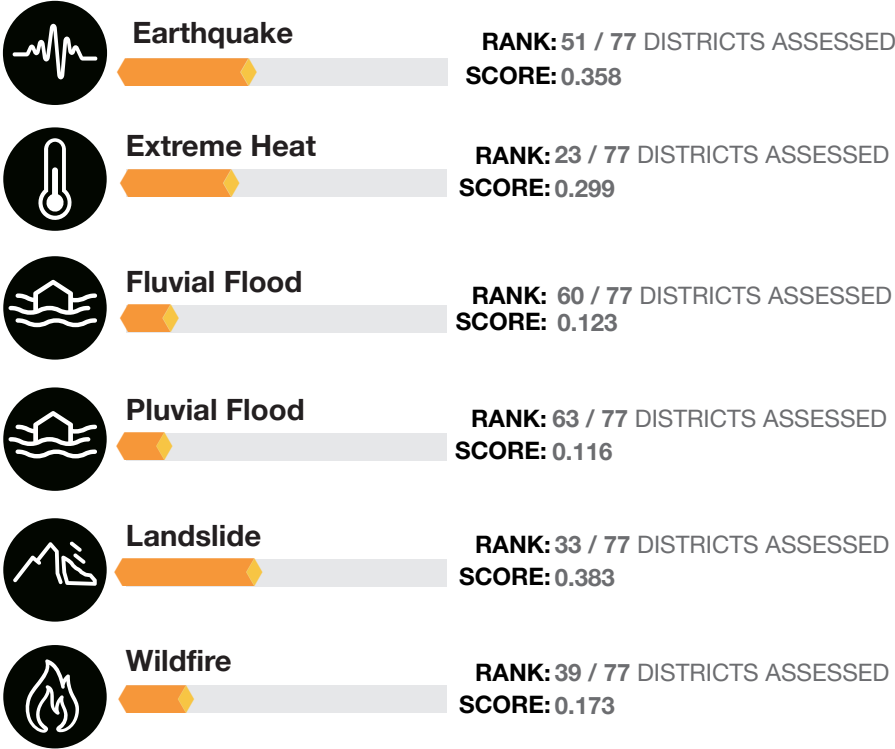
### Communications Capacity

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)





## MULTI-HAZARD RISK (MHR)

**40 / 77**

RANK WITHIN DISTRICTS  
Score: 0.526



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

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

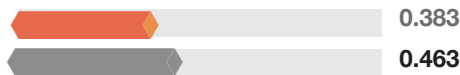
**DISTRICTS SCORE**  
**COUNTRY SCORE**



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

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