



**COLOMBIA**

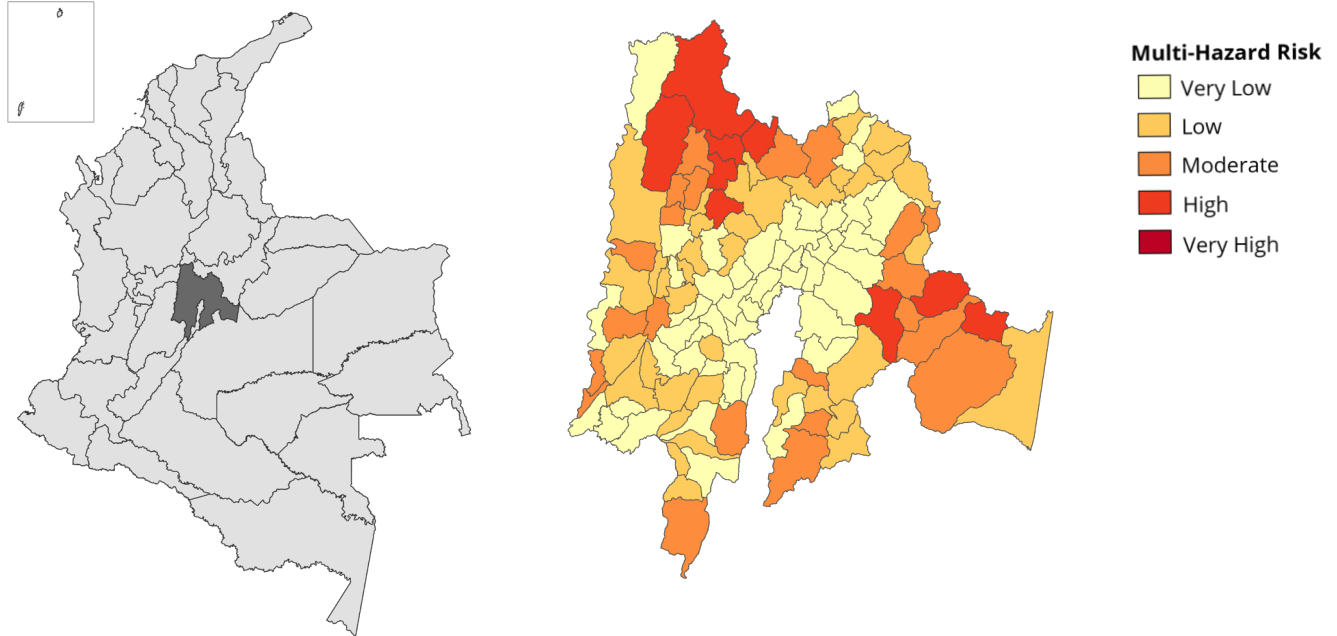
# **CUNDINAMARCA**

**NDPBA DEPARTMENT PROFILE**

# COLOMBIA

## DEPARTMENT: CUNDINAMARCA

The Cundinamarca Department Profile provides a comprehensive summary of all municipal assessment findings.



### RISK AND VULNERABILITY

#### AVERAGE MUNICIPAL INDEX SCORES



#### MULTI-HAZARD RISK (MHR)

**Very Low**

Average Score: 0.397 • Rank: 31/33



#### RESILIENCE (R)

**Very High**

Average Score: 0.600 • Rank: 5/33



#### MULTI-HAZARD EXPOSURE (MHE)

**Low**

Average Score: 0.391 • Rank: 27/33



#### VULNERABILITY (V)

**Very Low**

Average Score: 0.342 • Rank: 30/33



#### COPING CAPACITY (CC)

**Very High**

Average Score: 0.541 • Rank: 7/33

#### DEPARTMENT HIGHLIGHTS



Population (2018 Census)

**2,792,877**



Multidimensional Poverty Rate (2023)

**7.6%**



Prevalence of Food Insecurity (2023)

**11.7%**



Infant Mortality Rate (per 1,000 live births) (2020)

**14.0**



Adult Illiteracy (2018)

**3.2%**

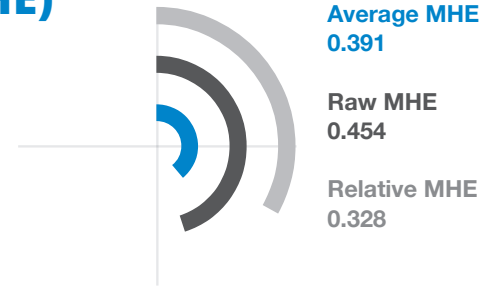


## MULTI-HAZARD EXPOSURE (MHE)

### AVERAGE MUNICIPAL INDEX SCORES

RANK: 27 / 33 DEPARTMENTS

AVERAGE SCORE: 0.391



### AVERAGE ESTIMATED EXPOSURE TO EACH HAZARD:



#### Sea Level Rise

**0%** (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



#### Extreme Heat

**<1%** (7,550)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**



#### Coastal Flood

**0%** (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



#### Wildfire

**0%** (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



#### Riverine Flood

**9%** (288,826)

Buildings Exposed: **9%**

Critical Infrastructure Exposed: **19%**



#### Volcano

**1%** (27,570)

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **2%**



#### Landslide

**49%** (1,541,960)

Buildings Exposed: **62%**

Critical Infrastructure Exposed: **66%**



#### Tropical Cyclone Wind

**0%** (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



#### Earthquake

**100%** (3,158,330)

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



#### Tsunami

**0%** (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



#### Erosion

**3%** (100,883)

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **2%**

NOTE: Population exposure values are estimated using PDC's All-hazard Impact Model (AIM). Values may differ from Census population.

**MULTI-HAZARD EXPOSURE (MHE)****RANK: 27 / 33 DEPARTMENTS****AVERAGE MUNICIPAL INDEX SCORES****AVERAGE SCORE: 0.391**

Combining exposures from all hazards, below is a summary of the top ranking municipalities within Cundinamarca with the highest Multi-Hazard Exposure. Multi-Hazard Exposure for all municipalities is available in DisasterAWARE.

**MUNICIPALITIES WITH THE HIGHEST MULTI-HAZARD EXPOSURE****RANK IN****DEPARTMENT****MUNICIPALITY****INDEX SCORE**

1

Girardot

0.612

2

Nariño

0.587

3

Soacha

0.495

4

La Mesa

0.481

5

Guaduas

0.476



## VULNERABILITY (V)

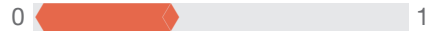
**RANK: 30 / 33 DEPARTMENTS ASSESSED**  
**AVERAGE SCORE: 0.342**

### AVERAGE MUNICIPAL INDEX SCORES

Below is a summary of the municipal Vulnerability Assessment within Cundinamarca. Detailed municipal-level results, including all indicators used to assess Vulnerability, are available in DisasterAWARE.



#### Information Access Vulnerability

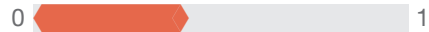


**SCORE: 0.359**

**RANK: 31/33**  
DEPARTMENTS ASSESSED



#### Clean Water Access Vulnerability

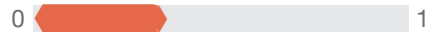


**SCORE: 0.393**

**RANK: 19/33**  
DEPARTMENTS ASSESSED



#### Economic Constraints

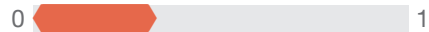


**SCORE: 0.325**

**RANK: 29/33**  
DEPARTMENTS ASSESSED



#### Marginalization

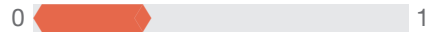


**SCORE: 0.304**

**RANK: 31/33**  
DEPARTMENTS ASSESSED



#### Vulnerable Health Status

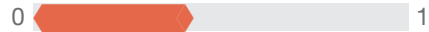


**SCORE: 0.277**

**RANK: 32/33**  
DEPARTMENTS ASSESSED



#### Housing Vulnerability



**SCORE: 0.393**

**RANK: 28/33**  
DEPARTMENTS ASSESSED



## VULNERABILITY (V)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 30 / 33 DEPARTMENTS ASSESSED

AVERAGE SCORE: 0.342

### KEY FACTORS INFLUENCING VULNERABILITY



#### Housing Vulnerability

Populations living in poorly constructed housing, or homes built prior to the enactment of modern building codes, are more susceptible to structural damage and losses due to hazard impacts. In addition, higher density living situations such as crowded households increase susceptibility to negative consequences resulting from hazard exposure.



#### 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.

### MUNICIPALITIES WITH THE HIGHEST VULNERABILITY

#### RANK IN

#### DEPARTMENT

#### MUNICIPALITY

#### INDEX SCORE

1	El Peñón	0.560
2	Yacopí	0.539
3	Paime	0.532
4	Ubalá	0.524
5	Topaipí	0.513



## COPING CAPACITY (CC)

### AVERAGE MUNICIPAL INDEX SCORES

**RANK: 7 / 33 DEPARTMENTS ASSESSED**  
**AVERAGE SCORE: 0.541**

Below is a summary of the municipal Coping Capacity Assessment within Cundinamarca. Detailed municipal-level results, including all indicators used to assess Coping Capacity, are available in DisasterAWARE.



#### Governance



**SCORE: 0.577**

**RANK: 7/33**  
DEPARTMENTS ASSESSED



#### Infrastructure Capacity



**SCORE: 0.505**

**RANK: 16/33**  
DEPARTMENTS ASSESSED



#### Transportation Capacity



**SCORE: 0.530**

**RANK: 22/33**  
DEPARTMENTS ASSESSED



#### Healthcare and Emergency Services Capacity



**SCORE: 0.443**

**RANK: 24/33**  
DEPARTMENTS ASSESSED



#### Energy and Communications Capacity



**SCORE: 0.543**

**RANK: 11/33**  
DEPARTMENTS ASSESSED



## COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 7 / 33 DEPARTMENTS ASSESSED  
AVERAGE SCORE: 0.541

### KEY FACTORS INFLUENCING COPING CAPACITY



#### Healthcare and Emergency Services Capacity

Establishing and maintaining a broad range of systems and resources, including skilled caregivers and dedicated facilities, to support emergency services and the treatment of injury and disease during non-disaster times, will greatly enhance the capacity for disaster management and response, and improve the ability of societies to address disaster-associated health and medical impacts.



#### Transportation Capacity

Transportation Capacity represents the ability to ensure efficient movement and delivery of resources key to effective humanitarian assistance and disaster relief operations, including the provision of health services.

### MUNICIPALITIES WITH THE HIGHEST COPING CAPACITY

#### RANK IN

#### DEPARTMENT

#### MUNICIPALITY

#### INDEX SCORE

1	Chía	0.768
2	Funza	0.751
3	Cajicá	0.748
4	Mosquera	0.728
5	Zipaquirá	0.726



## RESILIENCE (R)

**RANK: 5 / 33 DEPARTMENTS ASSESSED**

**AVERAGE SCORE: 0.600**

The Resilience score and ranking represent a combination of Very Low Vulnerability and Very High Coping Capacity. Key drivers of Resilience across municipalities within Cundinamarca are summarized below. Detailed municipal-level results for the RVA are available in DisasterAWARE.

### KEY FACTORS INFLUENCING RESILIENCE



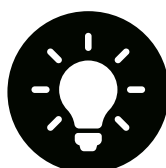
#### Healthcare and Emergency Services Capacity

Establishing and maintaining a broad range of systems and resources, including skilled caregivers and dedicated facilities, to support emergency services and the treatment of injury and disease during non-disaster times, will greatly enhance the capacity for disaster management and response, and improve the ability of societies to address disaster-associated health and medical impacts.



#### Transportation Capacity

Transportation Capacity represents the ability to ensure efficient movement and delivery of resources key to effective humanitarian assistance and disaster relief operations, including the provision of health services.



#### Energy and Communications Capacity

Homes, businesses, industry, and government all rely on access to energy resources and communications for continuity of daily activities. Expanding, strengthening, and securing the energy network and increasing the availability of internet services will contribute to economic development, facilitate effective and coordinated communication, and increase the speed of recovery processes in the aftermath of a disaster.



#### Governance

The stability and effectiveness of institutional structures, trust in government, and enforcement of laws to prevent and control crime and violence is an indication of a government's ability to successfully mitigate and cope with hazards. Instability of institutional structures can make a municipality more susceptible to the negative effects of a disaster event.



## HAZARD-SPECIFIC RISK (HSR)

### AVERAGE MUNICIPAL INDEX SCORES



**Sea Level Rise**

**RANK: 13 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.000**



**Coastal Flood**

**RANK: 13 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.000**



**Riverine Flood**

**RANK: 28 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.210**



**Landslide**

**RANK: 11 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.515**



**Earthquake**

**RANK: 23 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.524**



**Erosion**

**RANK: 21 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.204**



**Extreme Heat**

**RANK: 26 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.006**



**Wildfire**

**RANK: 17 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.000**



**Volcano**

**RANK: 9 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.009**



**Tropical Cyclone Wind**

**RANK: 3 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.000**



**Tsunami**

**RANK: 13 / 33 DEPARTMENTS ASSESSED**  
**SCORE: 0.000**



## MULTI-HAZARD RISK (MHR)

**31 / 33**

RANK AMONG DEPARTMENTS  
AVERAGE SCORE: 0.397

The Multi-Hazard Risk score and ranking represent a combination of Multi-Hazard Exposure, Vulnerability, and Coping Capacity. Below is a summary of Cundinamarca's RVA results across all municipalities. Detailed municipal-level results for the RVA are available in DisasterAWARE.

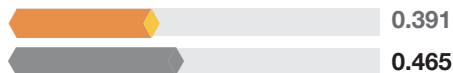
**Multi-Hazard Risk component scores  
compared to overall average country scores:**

— COUNTRY SCORE

— CUNDINAMARCA SCORE



### Multi-Hazard Exposure



### Vulnerability



### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

**1305 N. Holocono Street | P: (808) 891-0525  
Suite 2, Kihei, HI 96753 | F: (808) 891-0526**



**@PDC\_Global**



**/PDCGlobal**



**[www.pdc.org](http://www.pdc.org)**



**[ndpba.col@pdc.org](mailto:ndpba.col@pdc.org)**