COLOMBIA
RISARALDA

NDPBA DEPARTMENT PROFILE

PDC | GLOBAL
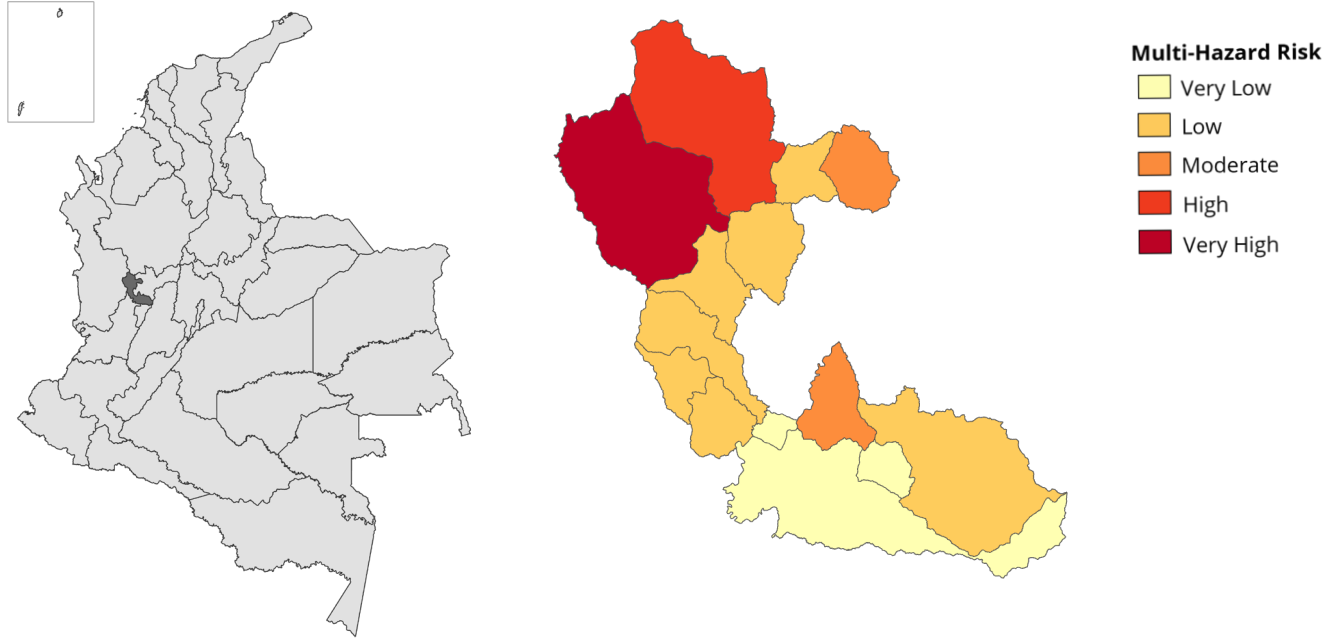
COLOMBIA
DEPARTMENT: RISARALDA

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

Multi-Hazard Risk
- Very Low
- Low
- Moderate
- High
- Very High

RISK AND VULNERABILITY
AVERAGE MUNICIPAL INDEX SCORES

MULTI-HAZARD RISK (MHR)
Low
Average Score: 0.433 • Rank: 27/33

RESILIENCE (R)
Very High
Average Score: 0.597 • Rank: 6/33

MULTI-HAZARD EXPOSURE (MHE)
Moderate
Average Score: 0.492 • Rank: 14/33

VULNERABILITY (V)
Low
Average Score: 0.384 • Rank: 26/33

COPING CAPACITY (CC)
Very High
Average Score: 0.577 • Rank: 5/33

DEPARTMENT HIGHLIGHTS

Population (2018 Census)
839,597

Multidimensional Poverty Rate (2023)
11.8%

Prevalence of Food Insecurity (2023)
13.7%

Infant Mortality Rate (per 1,000 live births) (2020)
13.5

Adult Illiteracy (2018)
4.4%

MULTI-HAZARD EXPOSURE (MHE)
AVERAGE MUNICIPAL INDEX SCORES

RANK: 14 / 33 DEPARTMENTS
AVERAGE SCORE: 0.492

Average MHE
0.492

Raw MHE
0.563

Relative MHE
0.421

AVERAGE ESTIMATED EXPOSURE TO EACH HAZARD:

Sea Level Rise
👤 **0%** (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Extreme Heat
👤 **0%** (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Coastal Flood
👤 **0%** (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Wildfire
👤 **0%** (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Riverine Flood
👤 **4%** (39,660)
Buildings Exposed: **3%**
Critical Infrastructure Exposed: **5%**

Volcano
👤 **65%** (600,800)
Buildings Exposed: **69%**
Critical Infrastructure Exposed: **41%**

Landslide
👤 **71%** (651,020)
Buildings Exposed: **72%**
Critical Infrastructure Exposed: **85%**

Tropical Cyclone Wind
👤 **0%** (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Earthquake
👤 **100%** (922,060)
Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**

Tsunami
👤 **0%** (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Erosion
👤 **1%** (9,853)
Buildings Exposed: **1%**
Critical Infrastructure Exposed: **1%**

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

MULTI-HAZARD EXPOSURE (MHE)
AVERAGE MUNICIPAL INDEX SCORES

RANK: 14 / 33 DEPARTMENTS
AVERAGE SCORE: 0.492

Combining exposures from all hazards, below is a summary of the top ranking municipalities within Risaralda 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	Pereira	0.708
2	Dosquebradas	0.698
3	Santa Rosa De Cabal	0.689
4	Marsella	0.610
5	Quinchía	0.471

VULNERABILITY (V)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 26 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.384

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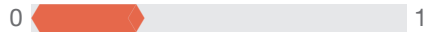
Information Access Vulnerability

0 ◄————————► 1

SCORE: 0.497

RANK: 11/33
DEPARTMENTS ASSESSED

Clean Water Access Vulnerability

0 ◄————► 1

SCORE: 0.273

RANK: 30/33
DEPARTMENTS ASSESSED

Economic Constraints

0 ◄————► 1
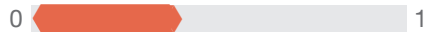
SCORE: 0.374

RANK: 26/33
DEPARTMENTS ASSESSED

Marginalization

0 ◄—————► 1
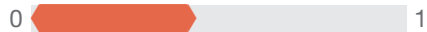
SCORE: 0.422

RANK: 16/33
DEPARTMENTS ASSESSED

Vulnerable Health Status

0 ◄————► 1
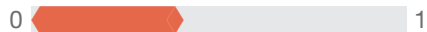
SCORE: 0.371

RANK: 25/33
DEPARTMENTS ASSESSED

Housing Vulnerability

0 ◄————► 1
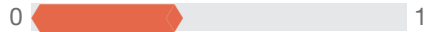
SCORE: 0.369

RANK: 30/33
DEPARTMENTS ASSESSED

VULNERABILITY (V)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 26 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.384

KEY FACTORS INFLUENCING VULNERABILITY

Information Access Vulnerability

The ability to understand hazard and disaster-related information before, during, and after an event is central to acting on that information. If information channels and formats are limited, the groups and individuals exposed to information inclusive of mitigation options, preparedness measures, available resources, and impending hazard events, will likewise be limited. Information access enables the building and diversification of exposed populations' critical skill sets both before and after disasters strike.

Marginalization

Group-based differences in access to resources, services, opportunities, and formal economic and political structures that favor some groups over others influence the disaster susceptibility of the groups and individuals affected. Identification of populations facing significant inequalities or marginalization can help anticipate where relief and mass care operations (e.g., sheltering, health care delivery) needs will be greatest.

MUNICIPALITIES WITH THE HIGHEST VULNERABILITY		
RANK IN DEPARTMENT	**MUNICIPALITY**	**INDEX SCORE**
1	Pueblo Rico	0.711
2	Mistrató	0.632
3	Quinchía	0.428
4	La Celia	0.427
5	Guática	0.412

COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 5 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.577

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

Governance

0 —————— 1

SCORE: 0.563

RANK: 9/33
DEPARTMENTS ASSESSED

Infrastructure Capacity

0 —————— 1

SCORE: 0.592

RANK: 5/33
DEPARTMENTS ASSESSED

Transportation Capacity

0 —————— 1

SCORE: 0.639

RANK: 7/33
DEPARTMENTS ASSESSED

Healthcare and Emergency Services Capacity

0 —————— 1

SCORE: 0.494

RANK: 10/33
DEPARTMENTS ASSESSED

Energy and Communications Capacity

0 —————— 1

SCORE: 0.642

RANK: 5/33
DEPARTMENTS ASSESSED

COPING CAPACITY (CC)
AVERAGE MUNICIPAL INDEX SCORES

RANK: 5 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.577

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.

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.

MUNICIPALITIES WITH THE HIGHEST COPING CAPACITY

RANK IN DEPARTMENT	MUNICIPALITY	INDEX SCORE
1	Pereira	0.783
2	Dosquebradas	0.737
3	La Virginia	0.713
4	Santa Rosa De Cabal	0.648
5	Marsella	0.575

RESILIENCE (R)

The Resilience score and ranking represent a combination of Low Vulnerability and Very High Coping Capacity. Key drivers of Resilience across mucipalities within Risaralda 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.

Information Access Vulnerability

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Group-based differences in access to resources, services, opportunities, and formal economic and political structures that favor some groups over others influence the disaster susceptibility of the groups and individuals affected. Identification of populations facing significant inequalities or marginalization can help anticipate where relief and mass care operations (e.g., sheltering, health care delivery) needs will be greatest.

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: **27 / 33** DEPARTMENTS ASSESSED
SCORE: **0.226**

Landslide

RANK: **7 / 33** DEPARTMENTS ASSESSED
SCORE: **0.544**

Earthquake

RANK: **21 / 33** DEPARTMENTS ASSESSED
SCORE: **0.543**

Erosion

RANK: **27 / 33** DEPARTMENTS ASSESSED
SCORE: **0.096**

Extreme Heat

RANK: **28 / 33** DEPARTMENTS ASSESSED
SCORE: **0.000**

Wildfire

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

Volcano

RANK: **4 / 33** DEPARTMENTS ASSESSED
SCORE: **0.125**

Tropical Cyclone Wind

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

Tsunami

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

MULTI-HAZARD RISK (MHR)

27 / 33
RANK AMONG DEPARTMENTS
AVERAGE SCORE: 0.433

The Multi-Hazard Risk score and ranking represent a combination of Multi-Hazard Exposure, Vulnerability, and Coping Capacity. Below is a summary of Risaralda's RVA results across all municipalities. Detailed municipal-level results for the RVA are available in DisasterAWARE.
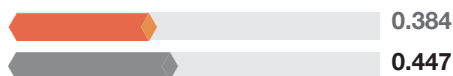
Multi-Hazard Risk component scores compared to overall average country scores:

▬ COUNTRY SCORE
▬ RISARALDA SCORE

Multi-Hazard Exposure
0.492
0.465

Vulnerability
0.384
0.447

Coping Capacity
0.577
0.518

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Better solutions.
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