



COLOMBIA

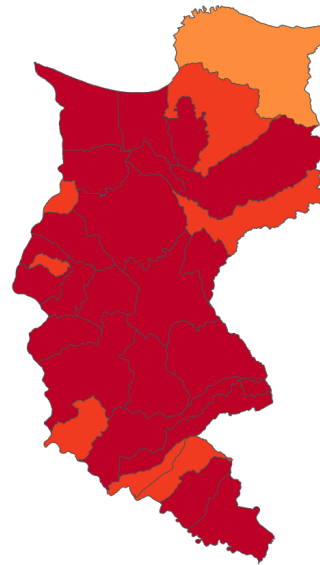
MAGDALENA

NDPBA DEPARTMENT PROFILE

COLOMBIA

DEPARTMENT: MAGDALENA

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



Multi-Hazard Risk



RISK AND VULNERABILITY

AVERAGE MUNICIPAL INDEX SCORES



MULTI-HAZARD RISK (MHR)

Very High

Average Score: 0.559 • Rank: 7/33



RESILIENCE (R)

Low

Average Score: 0.499 • Rank: 22/33



MULTI-HAZARD EXPOSURE (MHE)

Very High

Average Score: 0.674 • Rank: 1/33



VULNERABILITY (V)

High

Average Score: 0.516 • Rank: 10/33



COPING CAPACITY (CC)

Moderate

Average Score: 0.513 • Rank: 19/33

DEPARTMENT HIGHLIGHTS



Population (2018 Census)

1,263,788



Multidimensional Poverty Rate
(2023)

21.4%



Prevalence of Food Insecurity
(2023)

11.8%



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

18.8



Adult Illiteracy (2018)

9.1%



MULTI-HAZARD EXPOSURE (MHE)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 1 / 33 DEPARTMENTS

AVERAGE SCORE: 0.674



Average MHE
0.674

Raw MHE
0.594

Relative MHE
0.755

AVERAGE ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

<1% (3,688)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**



Extreme Heat

92% (1,230,380)

Buildings Exposed: **96%**

Critical Infrastructure Exposed: **84%**



Coastal Flood

<1% (2,417)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**



Wildfire

21% (277,006)

Buildings Exposed: **25%**

Critical Infrastructure Exposed: **28%**



Riverine Flood

31% (413,114)

Buildings Exposed: **39%**

Critical Infrastructure Exposed: **29%**



Volcano

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Landslide

32% (424,763)

Buildings Exposed: **24%**

Critical Infrastructure Exposed: **29%**



Tropical Cyclone Wind

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Earthquake

100% (1,328,680)

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Tsunami

15% (198,427)

Buildings Exposed: **12%**

Critical Infrastructure Exposed: **26%**



Erosion

12% (157,899)

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **7%**

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: 1 / 33 DEPARTMENTS****AVERAGE SCORE: 0.674**

Combining exposures from all hazards, below is a summary of the top ranking municipalities within Magdalena 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

Plato

0.833

2

Sitionuevo

0.790

3

Santa Marta

0.784

4

Fundación

0.778

5

Nueva Granada

0.763



VULNERABILITY (V)

RANK: 10 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.516

AVERAGE MUNICIPAL INDEX SCORES

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



Information Access Vulnerability



SCORE: 0.494

RANK: 13/33
DEPARTMENTS ASSESSED



Clean Water Access Vulnerability



SCORE: 0.513

RANK: 11/33
DEPARTMENTS ASSESSED



Economic Constraints



SCORE: 0.550

RANK: 6/33
DEPARTMENTS ASSESSED



Marginalization

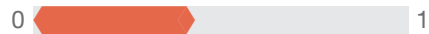


SCORE: 0.459

RANK: 12/33
DEPARTMENTS ASSESSED



Vulnerable Health Status



SCORE: 0.397

RANK: 24/33
DEPARTMENTS ASSESSED



Housing Vulnerability



SCORE: 0.680

RANK: 10/33
DEPARTMENTS ASSESSED



VULNERABILITY (V)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 10 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.516

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.



Economic Constraints

Economic constraints have individual, household, community, and region-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.

MUNICIPALITIES WITH THE HIGHEST VULNERABILITY

RANK IN

DEPARTMENT

MUNICIPALITY

INDEX SCORE

1	Sabanas De San Ángel	0.644
2	Sitionuevo	0.619
3	Cerro De San Antonio	0.588
4	Zapayán	0.587
5	Puebloviejo	0.582



COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 19 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.513

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



Governance



SCORE: 0.506

RANK: 24/33
DEPARTMENTS ASSESSED



Infrastructure Capacity



SCORE: 0.520

RANK: 13/33
DEPARTMENTS ASSESSED



Transportation Capacity



SCORE: 0.565

RANK: 16/33
DEPARTMENTS ASSESSED



Healthcare and Emergency Services Capacity



SCORE: 0.507

RANK: 4/33
DEPARTMENTS ASSESSED



Energy and Communications Capacity



SCORE: 0.487

RANK: 15/33
DEPARTMENTS ASSESSED



COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 19 / 33 DEPARTMENTS ASSESSED

AVERAGE SCORE: 0.513

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	Santa Marta	0.695
2	Salamina	0.640
3	Fundación	0.585
4	Zona Bananera	0.574
5	Plato	0.571



RESILIENCE (R)

RANK: 22 / 33 DEPARTMENTS ASSESSED

AVERAGE SCORE: 0.499

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

KEY FACTORS INFLUENCING RESILIENCE



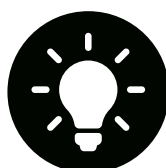
Housing Vulnerability

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.



Economic Constraints

Economic constraints have individual, household, community, and region-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.



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.



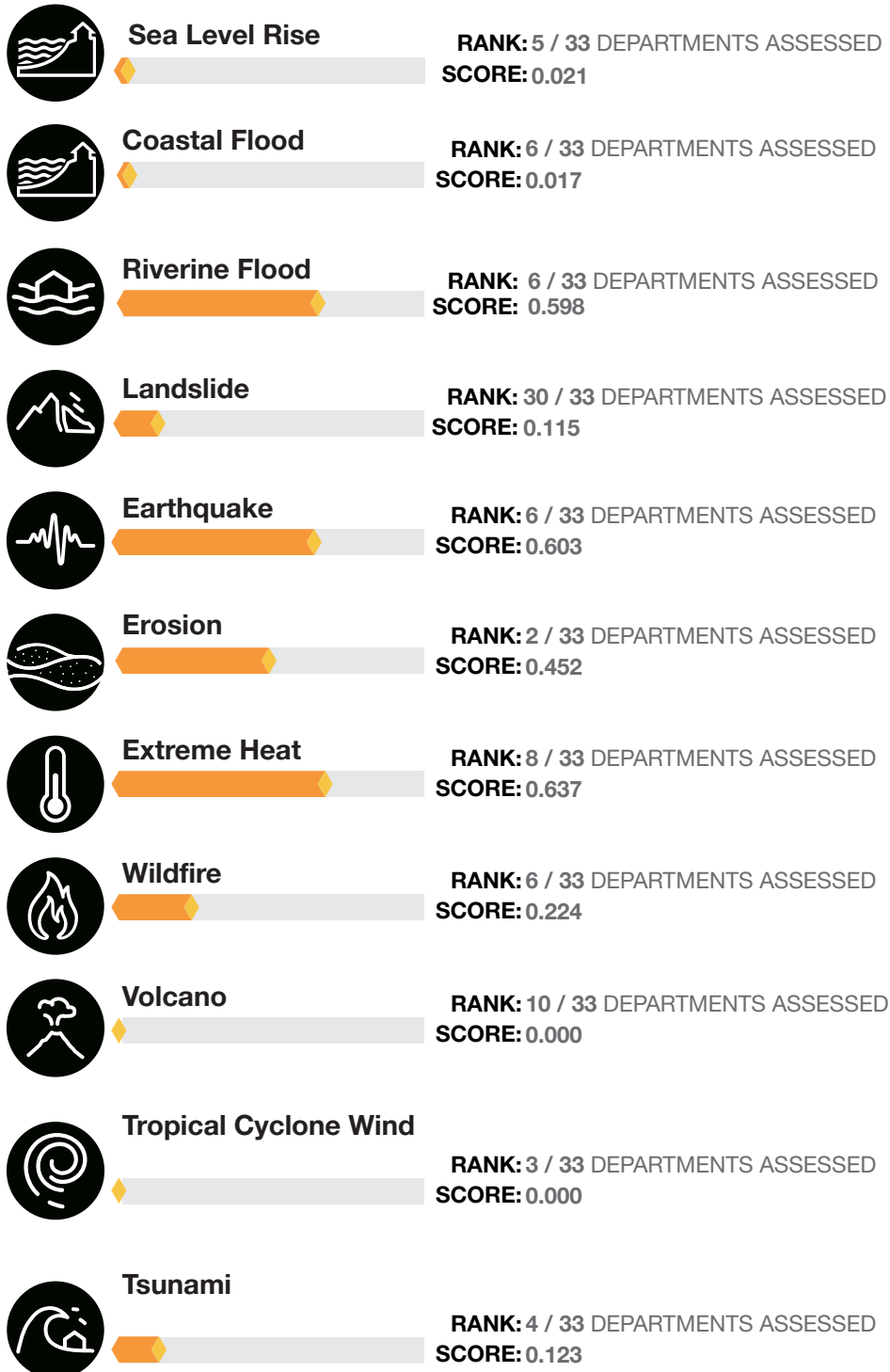
Information Access Vulnerability

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.



HAZARD-SPECIFIC RISK (HSR)

AVERAGE MUNICIPAL INDEX SCORES





MULTI-HAZARD RISK (MHR)

7 / 33

RANK AMONG DEPARTMENTS
AVERAGE SCORE: 0.559

The Multi-Hazard Risk score and ranking represent a combination of Multi-Hazard Exposure, Vulnerability, and Coping Capacity. Below is a summary of Magdalena'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
— MAGDALENA SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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