



COLOMBIA

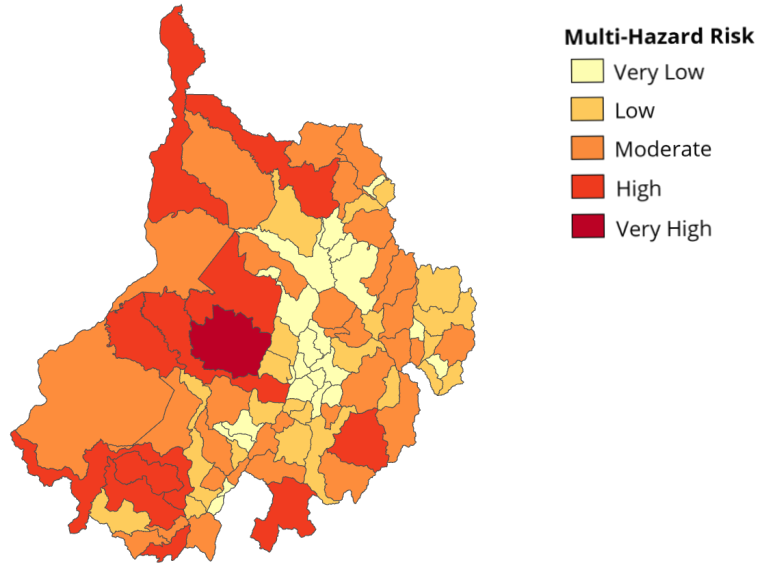
SANTANDER

NDPBA DEPARTMENT PROFILE

COLOMBIA

DEPARTMENT: SANTANDER

The Santander 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: 0.432 • Rank: 28/33



RESILIENCE (R)

High

Average Score: 0.560 • Rank: 10/33



MULTI-HAZARD EXPOSURE (MHE)

Low

Average Score: 0.415 • Rank: 22/33



VULNERABILITY (V)

Low

Average Score: 0.411 • Rank: 24/33



COPING CAPACITY (CC)

High

Average Score: 0.530 • Rank: 12/33

DEPARTMENT HIGHLIGHTS



Population (2018 Census)

2,008,841



Multidimensional Poverty Rate (2023)

9.8%



Prevalence of Food Insecurity (2023)

13.1%



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

12.5



Adult Illiteracy (2018)

4.2%



MULTI-HAZARD EXPOSURE (MHE)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 22 / 33 DEPARTMENTS

AVERAGE SCORE: 0.415



Average MHE
0.415

Raw MHE
0.434

Relative MHE
0.397

AVERAGE ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Extreme Heat

16% (340,491)

Buildings Exposed: **22%**

Critical Infrastructure Exposed: **30%**



Coastal Flood

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Wildfire

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Riverine Flood

9% (195,561)

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **24%**



Volcano

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Landslide

74% (1,618,514)

Buildings Exposed: **68%**

Critical Infrastructure Exposed: **67%**



Tropical Cyclone Wind

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Earthquake

100% (2,189,599)

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Tsunami

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Erosion

11% (232,361)

Buildings Exposed: **11%**

Critical Infrastructure Exposed: **8%**

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: 22 / 33 DEPARTMENTS

AVERAGE MUNICIPAL INDEX SCORES AVERAGE SCORE: 0.415

Combining exposures from all hazards, below is a summary of the top ranking municipalities within Santander 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	Barrancabermeja	0.742
2	Puerto Wilches	0.629
3	Bucaramanga	0.603
4	Cimitarra	0.579
5	Floridablanca	0.558



VULNERABILITY (V)

RANK: 24 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.411

AVERAGE MUNICIPAL INDEX SCORES

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



Information Access Vulnerability



SCORE: 0.452

RANK: 20/33
DEPARTMENTS ASSESSED



Clean Water Access Vulnerability

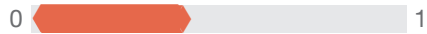


SCORE: 0.455

RANK: 14/33
DEPARTMENTS ASSESSED



Economic Constraints

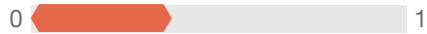


SCORE: 0.399

RANK: 21/33
DEPARTMENTS ASSESSED



Marginalization

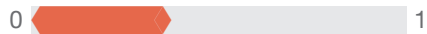


SCORE: 0.352

RANK: 28/33
DEPARTMENTS ASSESSED



Vulnerable Health Status



SCORE: 0.337

RANK: 28/33
DEPARTMENTS ASSESSED



Housing Vulnerability



SCORE: 0.470

RANK: 25/33
DEPARTMENTS ASSESSED



VULNERABILITY (V)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 24 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.411

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.



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.

MUNICIPALITIES WITH THE HIGHEST VULNERABILITY

RANK IN DEPARTMENT	MUNICIPALITY	INDEX SCORE
1	El Carmen De Chucuri	0.578
2	El Peñón	0.559
3	Molagavita	0.533
4	Coromoro	0.532
4	Jordán	0.532



COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 12 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.530

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



Governance



SCORE: 0.542

RANK: 13/33
DEPARTMENTS ASSESSED



Infrastructure Capacity



SCORE: 0.519

RANK: 14/33
DEPARTMENTS ASSESSED



Transportation Capacity



SCORE: 0.530

RANK: 22/33
DEPARTMENTS ASSESSED



Healthcare and Emergency Services Capacity



SCORE: 0.506

RANK: 6/33
DEPARTMENTS ASSESSED



Energy and Communications Capacity



SCORE: 0.520

RANK: 14/33
DEPARTMENTS ASSESSED



COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 12 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.530

KEY FACTORS INFLUENCING COPING CAPACITY



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.



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.

MUNICIPALITIES WITH THE HIGHEST COPING CAPACITY

RANK IN

DEPARTMENT

MUNICIPALITY

INDEX SCORE

1	Bucaramanga	0.790
2	Floridablanca	0.749
3	Barrancabermeja	0.706
4	Girón	0.690
5	Piedecuesta	0.682



RESILIENCE (R)

RANK: 10 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.560

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

KEY FACTORS INFLUENCING RESILIENCE



Energy and Communications Capacity

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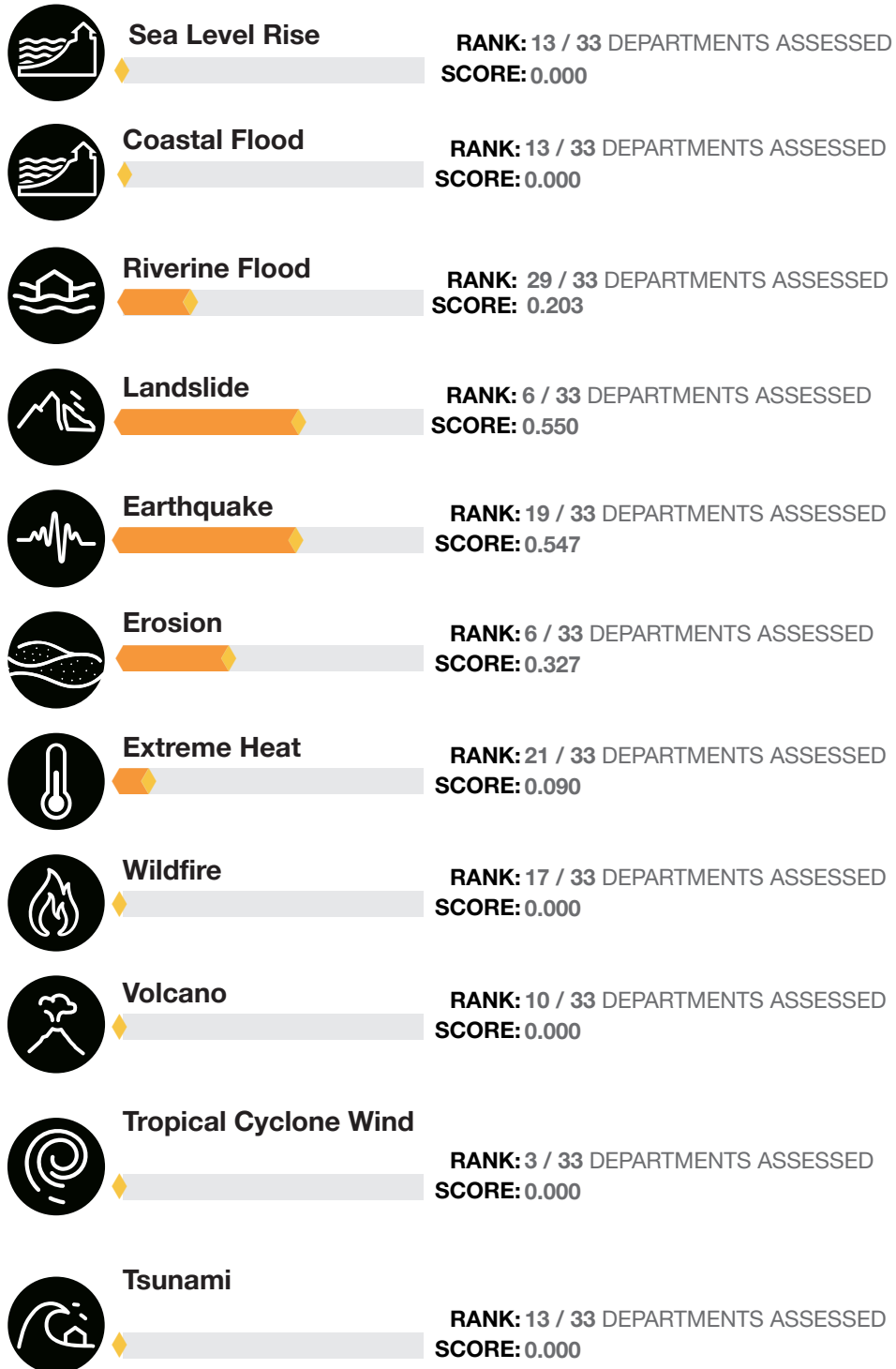
Transportation Capacity

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.



HAZARD-SPECIFIC RISK (HSR)

AVERAGE MUNICIPAL INDEX SCORES





MULTI-HAZARD RISK (MHR)

28 / 33

RANK AMONG DEPARTMENTS
AVERAGE SCORE: 0.432

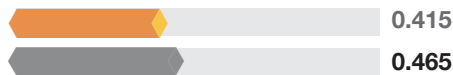


The Multi-Hazard Risk score and ranking represent a combination of Multi-Hazard Exposure, Vulnerability, and Coping Capacity. Below is a summary of Santander's RVA results across all municipalities. Detailed municipal-level results for the RVA are available in DisasterAWARE.

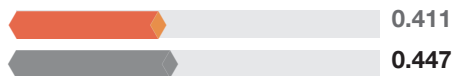
Multi-Hazard Risk component scores compared to overall average country scores:



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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