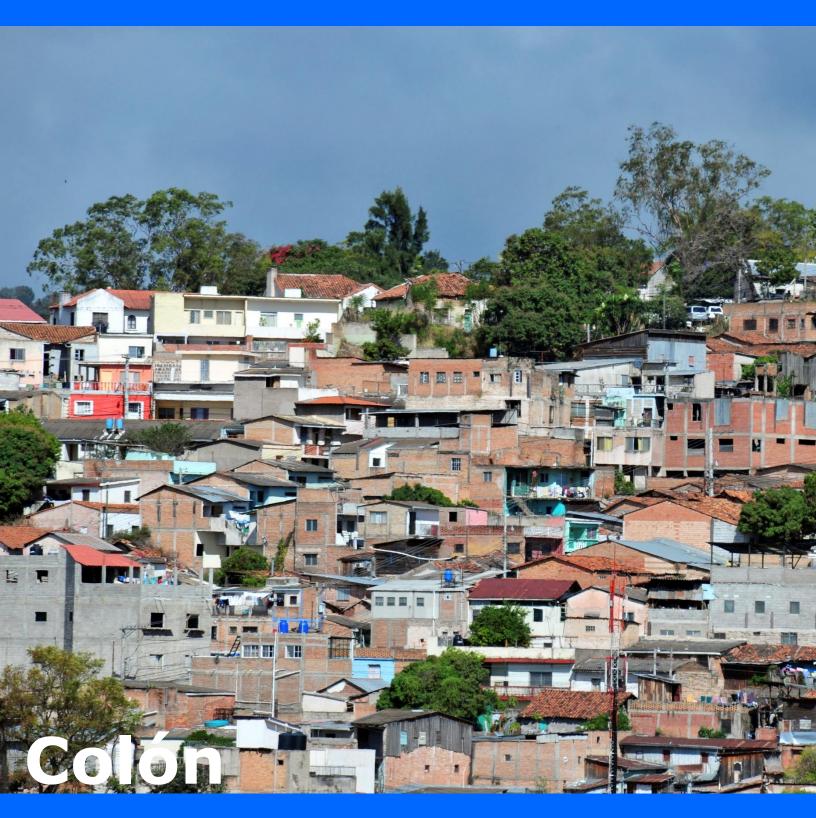
Better solutions. Fewer disasters. Safer world.





Honduras National Disaster Preparedness Baseline Assessment Department Profile

Department: Colón



Department Capital: Trujillo

Area: 8,249 km²

Colón is located on the northern Caribbean coast of Honduras, west of Gracias a Dios. The department is home to a substantial Garifuna population. Colón's economy is based primarily in cattle ranching and agriculture.











Municipality	Population
Balfate	13,326
Bonito Oriental	29,313
Iriona	21,716
Limón	15,112
Sabá	31,402
Santa Fe	5,376
Santa Rosa de Aguán	5,498
Sonaguera	45,073
Tocoa	98,602
Trujillo	64,688



Lack of Resilience Rank: Low (13 of 18)



RVA Component Scores

Table 1. Department scores and ranks (compared across departments) for each index.

Multi-H	lazard Risk	Lack of	ack of Resilience Multi-Hazard Vulnerability		erability	Coping Capacity			
Ve	ry Low		Low		Low		Low		Low
Score	Rank (of 18)	Score	Rank (of 18)	Score	Rank (of 18)	Score	Rank (of 18)	Score	Rank (of 18)
0.422	16	0.470	13	0.325	13	0.409	14	0.468	14

Multi-Hazard Exposure (MHE)

Multi-Hazard Exposure¹ Rank: 13 of 18 Departments (Score 0.325)

Table 2. Estimated ambient population² exposed to each hazard (2014)



100%

Cyclone 30

308,180 People



0%

Seismi

0 People



0%

Drought

0 People



Inland Flood

59%

180,692 People

Heavy rainfall in January 2014 caused thousands of people in the town of Santa Fe to be stranded.



5%

andslide

16,527 People

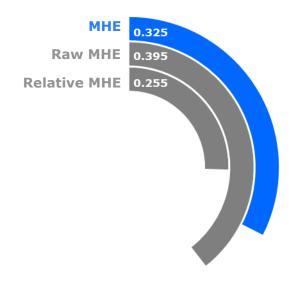


11%

32,913 People

Case Study: Santa Fe Evacuation Plan

The municipality of Santa Fe has a well-rehearsed disaster-evacuation plan. Coordinators are assigned to warn homes in case evacuation is required. They have posted signs with escape routes and warnings to not cross the river based on water levels. They have built an evacuation center up the mountain from the town to escape flood waters.



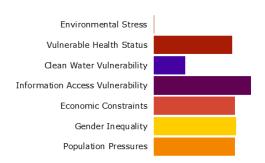
¹ Multi-Hazard Exposure: Average exposure of the population to hazards.

² Ambient Population: 24-hour average estimate of the population in each department. Ambient population typically differs from census population.

Vulnerability (V)

Vulnerability³ Rank: 14 of 18 Departments (Score: **0.409)** Vulnerability in Colón is influenced by Information Access Vulnerability, Vulnerable Health Status, Population Pressures, and Gender Inequality. The bar chart on the right indicates the socioeconomic themes contributing to the department's overall Vulnerability score.







Environmental Stress

0.1% Forest Loss Due to Pine Beetle Plaque 0% Water Shortage

Area



Vulnerable **Health Status**

16.5 Infant Mortality Rate

249 Maternal Mortality Ratio

75.4 Life Expectancy (years)

1.3% Acute Malnutrition Rate

2.6% 0.404

Communicable Population Disabled Disease Sub-Index4

0.454 Non-

Communicable Disease Sub-Index ⁴



Clean Water Vulnerability

90.6% Households Access to Piped Water

77.8% Households Connected to Sewer or Septic System



Information Access Vulnerability

15.4% Adult

Illiteracy

6.0 Average Years of Schooling 90.7% Enrollment in Basic

95.2% Households without Education Internet

35.9% Households without TV

42.2% Households without Radio



Economic Constraints

0.77 Economic Dependency Ratio

54.4% Population

in Poverty

0.29 GINI Coefficient



Gender **Inequality**

0.58 Ratio of Female to Male Land Ownership Rate

0.91 Ratio of Female to Male Home Ownership Rate

0.25 Ratio Female to Male Economic Activity

1.07 Ratio of Female to Male Secondary Enrollment



Population Pressures

2.1% Average Annual Population Change

7.8% Average Annual Urban Population Change

³ Vulnerability: The socioeconomic conditions that are associated with the susceptibility to disruptions in a country's normal functions.

⁴ Sub-indices: A combination of scaled indicators to represent a vulnerability theme (e.g. Communicable Disease). Values range from 0 (low) to 1 (high).

Coping Capacity (CC)

Coping Capacity⁵ Rank: 14 of 18 Departments (Score: 0.468) Colón exhibits weaker Coping Capacity in the areas of Economic Capacity, Governance, and Infrastructure (especially Transportation and Health Care). The bar chart on the right indicates the socioeconomic themes contributing to the department's overall Coping Capacity score.

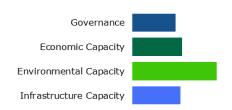


Table 4: Component scores for each coping capacity subcomponent.

	Governance	65.0 Homicides per 100k Persons	129.1 Sexual Violence and Assault per 100k Persons	7.8% Households with Public Garbage Collection	60.5% Voter Participation (2013 Election)		
\$\$	Economic Capacity	32.7% Economic Activity Rate	97.8% Employment Rate	14.5% Population in Highest Wealth Quintile			
	Environmental Capacity	42.3% Natural Protected Area					
	Infrastructure Capacity						
	Heal Capa	th Care icity	4.3 Hospital Beds per 10,000 Persons	2.0 Physicians per 10,000 Persons	9.0 Nurses per 10,000 Persons	50.1 km Average Distance to Nearest Hospital	86.1% Children Completed Immunizatio Schedule
	Capa	munications	Hospital Beds per 10,000	Physicians per 10,000	Nurses per 10,000	Average Distance to Nearest	Children Completed Immunization

⁵ Coping Capacity: The systems, means, and abilities of a country to absorb and respond to events that could potentially disrupt normal function.

Lack of Resilience (LR)

Lack of Resilience⁶ Rank: 13 of 18 Departments (Score: 0.470)

Colón's Lack of Resilience score and ranking are due to low Vulnerability combined with low Coping Capacity scores.

Table 5. The three thematic areas with the weakest relative scores.



Governance



Economic Capacity



Infrastructure (Transportation and Health Care)

Multi-Hazard Risk (MHR)

Multi-Hazard Risk⁷ Rank: 16 of 18 Departments (Score: 0.422)

Colón's Multi-Hazard Risk score and ranking are due to low Multi-Hazard Exposure combined with low Vulnerability and low Coping Capacity scores.

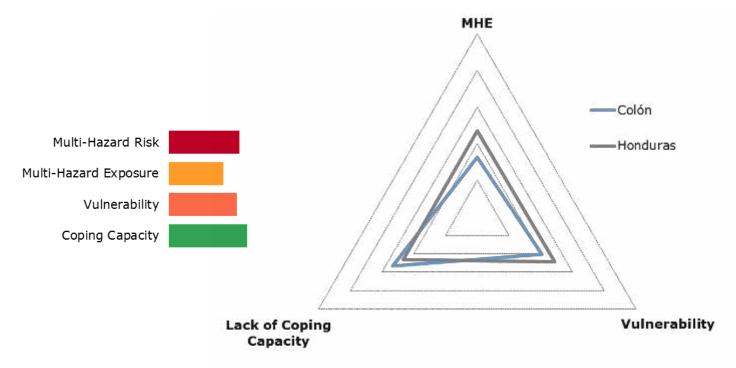


Figure 47. Department multi-hazard risk component scores compared to overall average country scores.

⁶ Lack of Resilience: The susceptibility to impact from the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function. This index provides a hazard-independent look at current socio-economic conditions.

Multi-Hazard Risk: The likelihood of losses or disruptions to a country's normal function due to interaction between multi-hazard exposure, socioeconomic vulnerability, and coping capacity.

Successes



Low overall vulnerability

Ranked 14 of 18 departments, low overall vulnerability indicates that Colón department is less susceptible to the negative impacts of a disaster and will likely recover faster after an event.



Low clean water vulnerability

Ranked 15 of 18 departments, low clean water vulnerability indicates that a population has access to high water quality and good containment systems, reducing susceptibility to disaster.



Low environmental stress

Ranked 16 of 18 departments, low environmental stress indicates that natural resources and agriculture will be more resilient to the effects of a disaster and may recover faster.

Recommendations



Increase government services

Investments in public services such as garbage collection, fire, and police will increase coping capacity and the department's ability to handle crises.



Invest in transportation infrastructure

Investing in transportation infrastructure will facilitate the distribution of goods and services before, during, and after a disaster event.



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