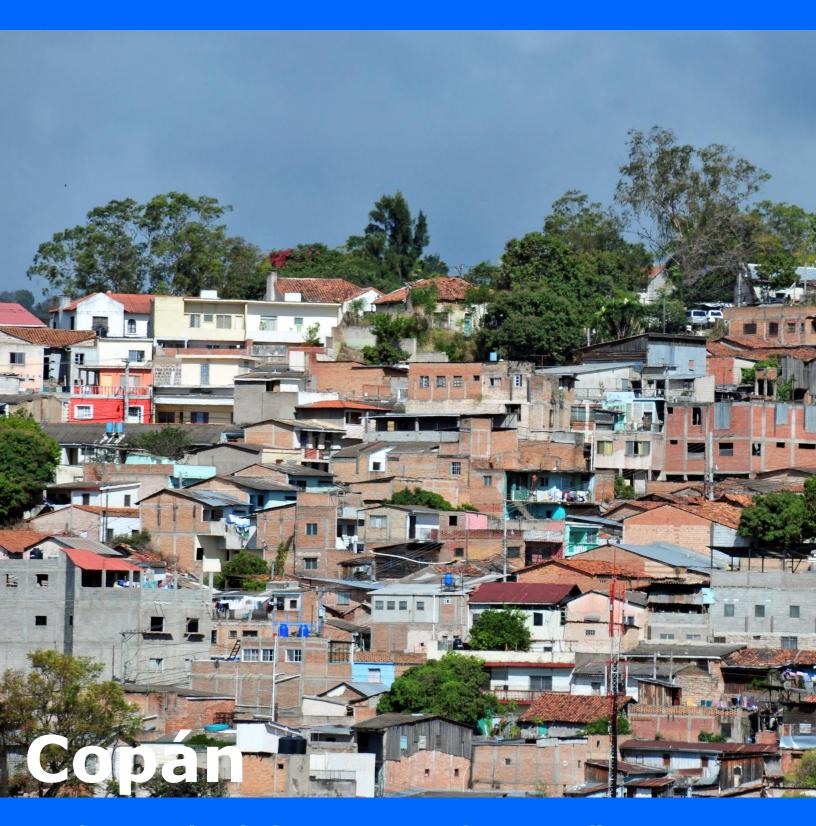
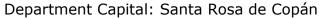
Better solutions. Fewer disasters. Safer world.





Honduras National Disaster Preparedness Baseline Assessment Department Profile

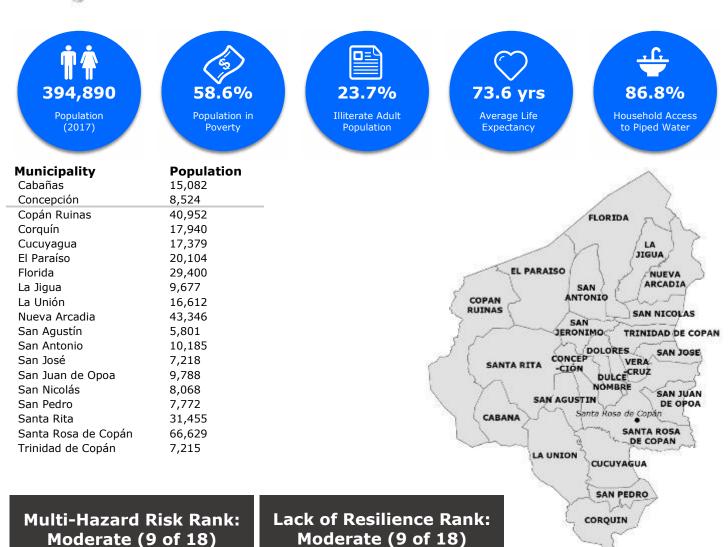
Department: Copán



Area: 3,242 km²



Copán is located in western Honduras, sharing a border with the Republic of Guatemala. The department is known for its tobacco production and the pre-Columbian ruins of Copán. Copán has the lowest life expectancy in the country.



RVA Component Scores

Multi-H	Multi-Hazard Risk Lack of Resilience		Multi-Hazard Exposure		Vulnerability		Coping Capacity		
Moderate		Moderate		Moderate		High		High	
Score	Rank (of 18)	Score	Rank (of 18)	Score	Rank (of 18)	Score	Rank (of 18)	Score	Rank (of 18)
0.489	9	0.497	9	0.472	9	0.573	5	0.579	5

Multi-Hazard Exposure (MHE)

Multi-Hazard Exposure¹ Rank: 9 of 18 Departments (Score: 0.472)

Table 1. Estimated ambient population² exposed to each hazard (2014).



64%

Cyclone

252,141 People



100%

Seismi

394,095 People



32%

Drought

126,217 People



4%

Inland Flood 15,404 People



7%

Landslide

29,305 People



0%

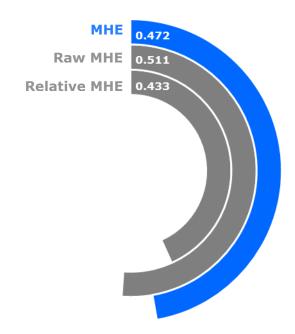
0 People

Case Study: SOUTHCOM Community Center

In 2016, U.S. Southern Command financed and constructed a community center to benefit the Chorti Commonwealth within the Department of Copán. The center will support the preparation for disaster relief in vulnerable communities in the west of Honduras.

The facility will function as a storage facility, alternate emergency-operations center, staging for medical brigades, and hosting cultural and community events.

The center consists of a conference room and a warehouse with a storage capacity of 10 metric tons of supplies. It also has sanitation facilities, an electrical power generator, a water tank, and an office. The property can shelter approximately 300 people.

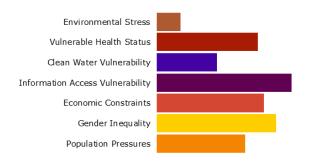


¹ Multi-Hazard Exposure: Average exposure of the population to hazards.

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

Vulnerability (V)

Vulnerability³ Rank: 5 of 18 Departments (Score: 0.573) Vulnerability in Copán is strongly influenced by Information Access Vulnerability, Gender Inequality, Economic Constraints, and Vulnerable Health Status. The bar chart on the right indicates the socioeconomic themes contributing to the department's overall Vulnerability score.



M	Environmental Stress	0.2% Forest Loss Due to Pine Beetle Plague	18.8% Water Shortage Area					
S	Vulnerable Health Status	24 Infant Mortality Rate	209.2 Maternal Mortality Ratio	73.6 Life Expectancy (years)	1.2 Acute Malnutrition Rate	3.2% Population Disabled	0.319 Communicable Disease Sub-Index ⁴	0.408 Non- Communicable Disease Sub- Index ⁴
0	Clean Water Vulnerability	86.8% Households Access to Piped Water	63.4% Households Connected to Sewer or Septic System					
e e	Information Access Vulnerability	23.7% Adult Illiteracy	5.4 Average Years of Schooling	85.2% Enrollment in Basic Education	96.2% Households without Internet	44.4% Households without TV	45.5% Households without Radio	
(is	Economic Constraints	0.75 Economic Dependency Ratio	58.6% Population in Poverty	0.41 GINI Coefficient				
δQ	Gender Inequality	0.38 Ratio of Female to Male Land Ownership Rate	0.84 Ratio of Female to Male Home Ownership Rate	0.23 Ratio Female to Male Economic Activity	1.10 Ratio of Female to Male Secondary Enrollment			
	Population Pressures	2.4% Average Annual Population Change	7.6% 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: 5 of 18 Departments (Score: 0.579) Copán exhibits weaker Coping Capacity in the areas of Environmental Capacity and Communications Infrastructure. The bar chart on the right indicates the socioeconomic themes contributing to the department's overall Coping Capacity score.

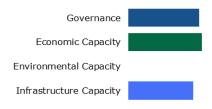


Table 3. Component scores for each coping capacity subcomponent

	Governan	ce	58.8 Homicides per 100k Persons	154.4 Sexual Violence and Assault per 100k Persons	24.4% Households with Public Garbage Collection	72.2% Voter Participation (2013 Election)		
\$\$	Economic Capacity		37.2% Economic Activity Rate	98.6% Employment Rate	15.5% Population in Highest Wealth Quintile			
	Environmo Capacity	ental	4.6% Natural Protected Area					
C	Infrastruc Capacity	cture						
		Health Care Capacity		18.2 Hospital Beds per 10,000 Persons	3.4 Physicians per 10,000 Persons	10.3 Nurses per 10,000 Persons	29.2 km Average Distance to Nearest Hospital	87.1% Children Completed Immunization Schedule
	Communications Capacity		11.2% Households with Access to Fixed Phone Line	56.9% Households with Access to Mobile Phone				
		Trans Capac	portation ity	20.1 km Average Distance to Nearest Port or Airport	22.3 km Total Length of Road per km² (area)			

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: 9 of 18 Departments (Score: 0.497)

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

Table 4. The three thematic areas with the weakest relative scores.







Environmental Capacity

Multi-Hazard Risk (MHR)

Multi-Hazard Risk⁷ Rank: 9 of 18 Departments (Score: 0.489)

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

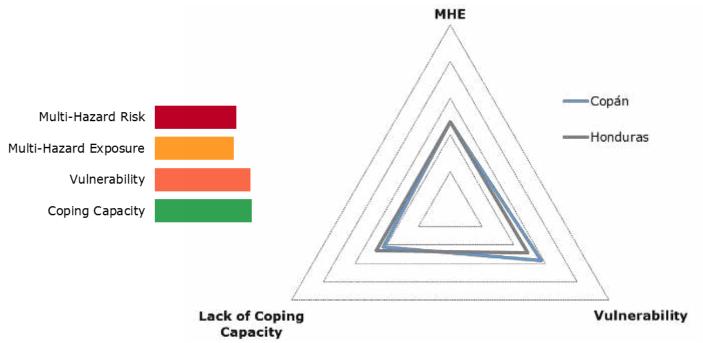


Figure 49. Department multi-hazard risk component scores compared to overall average country scores.

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



High transportation capacity

Ranked 5 of 18 departments, well-developed transportation networks facilitate the movement of goods and services, decreasing wait times for response and relief supplies.



High economic capacity

Ranked 5 of 18 departments, high economic capacity indicates that Copán may be able to invest in additional mitigation and preparedness measures at the local and community level.

Recommendations



Increase information accessibility

Increase access to information for the population through investments in infrastructure and education. By increasing citizen access to information, disaster managers can provide disaster-related information to a greater percentage of the population.



Provide health education and access

Increased early health education and access for special-needs populations and new/expectant mothers can decrease health vulnerability. Additional health-care infrastructure (doctors and nurses) will increase access to critical services before, during, and after disaster events.



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