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Nicaragua National Disaster Preparedness Baseline Assessment Department Profile

Department: Nueva Segovia



Department Capital: Ocotal

Area: 3,491 km²

Nueva Segovia is located in northern Nicaragua on the border with Honduras. It is known for its hot springs, coffee plantations, and a

thriving handicraft industry.



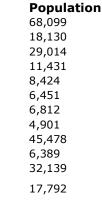








Municipality	Popula
Jalapa	68,099
Murra	18,130
El Jícaro	29,014
San Fernando	11,431
Mozonte	8,424
Dipilto	6,451
Macuelizo	6,812
Santa María	4,901
Ocotal	45,478
Ciudad Antigua	6,389
Quilalí	32,139
Wiwilí de Nueva	17,792
Segovia	17,732





Multi-Hazard Risk Rank: Very Low (15 of 17)

Lack of Resilience Rank: Medium (7 of 17)

RVA Component Scores

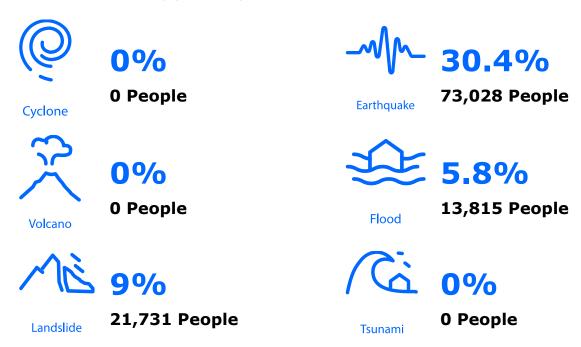
Table 1. Department scores and ranks (compared across departments) for each index

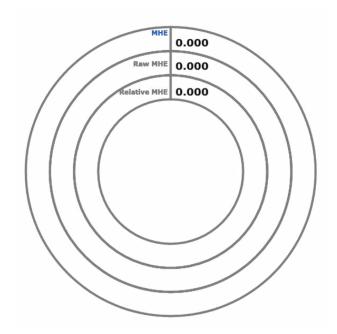
Multi-H	lazard Risk	Lack of	Resilience	Multi-Hazard Exposure		Vulnerability		Coping Capacity	
Very Low		Medium		Very Low		High		Low	
Score	Rank (of 17)	Score	Rank (of 17)	Score	Rank (of 17)	Score	Rank (of 17)	Score	Rank (of 17)
0.373	15	0.560	7	0	17	0.513	6	0.393	13

Multi-Hazard Exposure (MHE)

Multi-Hazard Exposure¹ Rank: 17 of 17 Departments (Score: 0.000)

Table 2. Estimated ambient population² exposed to each hazard





 $^{^{1}\,}$ 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.

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Vulnerability (V)

Vulnerability³ Rank: 6 of 17 Departments (Score: 0.513) Vulnerability in Nueva Segovia is primarily driven by high Information Access Vulnerability, Economic Constraints, and Clean Water Vulnerability. The bar chart on the right indicates the socioeconomic themes contributing to the department's overall Vulnerability score.

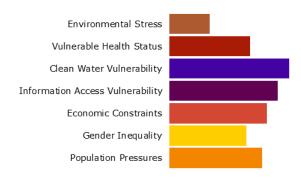


Table 3. Component scores for each vulnerability sub-component

M	Environmental Stress	20.2% Province at Drought Risk	36.1% Erosion Risk	59.1 Livestock per km²			
**	Vulnerable Health Status	12.6 Infant Mortality Rate	18.6 Maternal Mortality Rate	71.2 yrs Average Life Expectancy	2.0% Acute Malnutrition (Children < 5)	2.69% Population Disabled	
0	Clean Water Vulnerability	50.0% Households with Access to Improved Water	14.0% Households with Access to Flush Toilets				
	Information Access Vulnerability	29.5% Illiteracy	4.8 yrs Average Years of Schooling	82.7% Primary School Enrollment	97.4% Households without Internet	39.6% Households without TV	45.3% Households without Radio
(\$	Economic Constraints	65.6 Economic Dependency Ratio	73.4% Population in Poverty				
δQ	Gender Inequality	41.7% Female Seats in Government	1.05 Female to Male Secondary Education Enrollment	0.47 Female to Male Labor Ratio			
	Population Pressures	2.16% Average Annual Population Change	3.4% Average Annual Urban Population Change				

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

Coping Capacity (CC)

Coping Capacity⁴ Rank: 13 of 17 Departments (Score: 0.393)

Nueva Segovia exhibits weaker Coping Capacity in the areas of Infrastructure, Economic Capacity, and Governance. The bar chart on the right indicates the socioeconomic themes contributing to the department's overall Coping Capacity score.

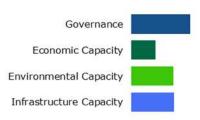


Table 4. Component scores for each coping capacity sub-component

\$\$	Economic Capacity	4.5% Households that Receive Remittances	83.6% Employment Rate (Male)	44.7% Employment Rate (Female)	6.3% Population in Highest Welfare Quintile	\$394.9 Annual Nominal Global Revenue per Capita	
	Governance	90.0% Crime Complaints Cleared	601.2 Crime Rate per 100k Persons	84.0% Households without Garbage Collection	44.7% Voter Participation (2016 Election)		
	Environmenta Capacity	21.9% Protected or Reforested Land					
C n	Infrastructure Capacity						
		lth Care acity	7.7 Hospital Beds per 10,000 Persons	14.1 Nurses per 10,000 Persons	7.5 Physicians per 10,000 Persons	13.9 km Average Distance to Nearest Hospital	93.1% Children Completed Immunization Schedule
		munications acity	6.9% Households with Access to Fixed Phone Line	65.4% Households with Access to Mobile Phone			
		nsportation acity	135.3 km Average Distance to Nearest Port or Airport	0.56 km Total Length of Road per km² (area)			

⁴ Coping Capacity: The systems, means, and abilities of a country to absorb and respond to events that could potentially disrupt normal function.

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Lack of Resilience (LR)

Lack of Resilience⁵ Rank: 7 of 17 Departments (Score: 0.560)

Nueva Segovia's score and ranking are due to high Vulnerability combined with low Coping Capacity scores.

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



Multi-Hazard Risk (MHR)

Multi-Hazard Risk⁶ Rank: 15 of 17 Departments (Score: 0.373)

Nueva Segovia's score and ranking are due to very low Multi-Hazard Exposure combined with high Vulnerability and low Coping Capacity scores.

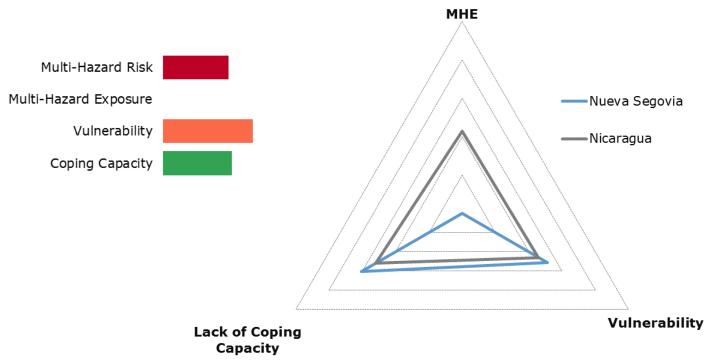


Figure 1. Department Multi-Hazard Risk component scores compared to overall average country scores

⁵ 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 socioeconomic conditions.

⁶ 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.

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Successes



Low environmental stress

Ranked 14 of 17 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

01

Increase economic capacity

Foster small-business development and invest in business education and human capital to raise economic stability.

02

Invest in infrastructure

Similar to Madriz, limited infrastructure inhibits the capacity to communicate and exchange information, reduces access to health care, and limits the physical distribution of goods and services in Nueva Segovia. Health-care, transportation and communication infrastructures require upgrading and investment to increase connectivity and welfare in the department. Focused investments in these areas will increase coping capacity and resilience.

03

Reduce clean water vulnerability

Invest in public water and sewer infrastructure to ensure equitable access to safe, clean drinking water, and sanitation.



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