

PANAMÁ NGÄBE BUGLÉ

NDPBA PROVINCES AND INDIGENOUS COMARCAS PROFILE



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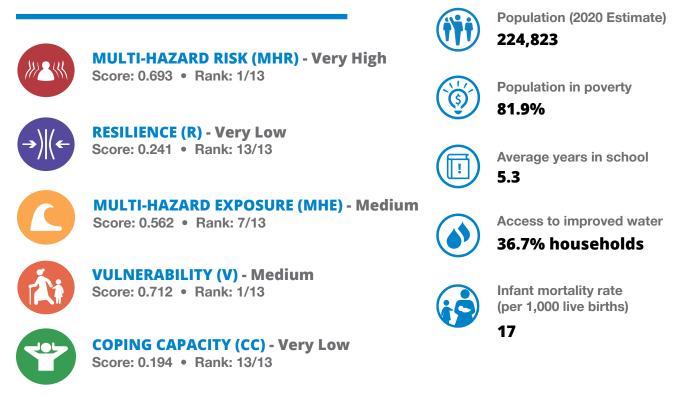
CAPITAL: CHICHICA

Area: 6,814 km²

Comarca Ngäbe Buglé is located in the western region of Panama. This Province is divided into 9 districts: Buäbiti (The Capital), Besiko, Jirondai, Kankintú, Kusapín, Mirono, Münä, Nole, Duima, Ñürün, Bledeshia. The comarca borders Atlantic Ocean to the north, Bocas del Toro to the west, Veraguas to the east and Chiriquí to the south. The main economic sources are cattle and coffee.



RISK AND VULNERABILITY COMPONENT SCORE



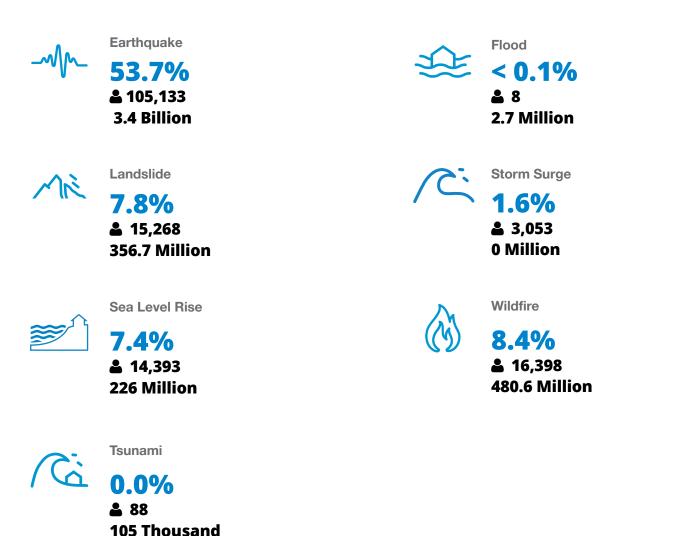
*For more information on data and components please visit: https://bit.ly/2LqVoUO

MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 13 PROVINCES AND INDIGENOUS COMARCAS SCORE: 0.562



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:





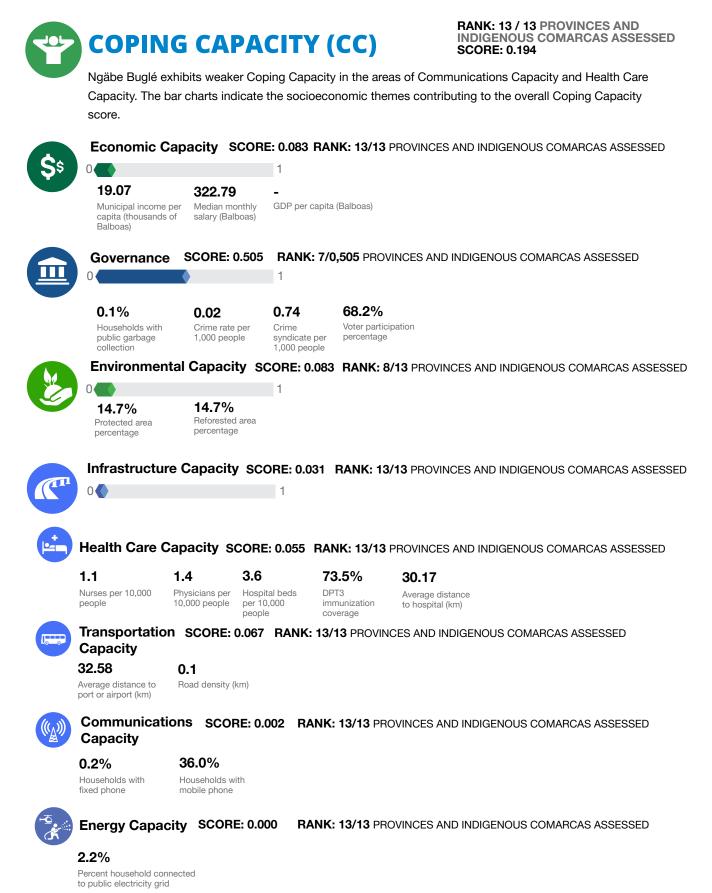
VULNERABILITY (V)

RANK: 1 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.712

Vulnerability in Ngäbe Buglé is primarily driven by Economic Constraints and Population Pressures. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.

		tal Stress	SCORE: 0.217	' RANK: 10/1	3 PROVINCES	S AND INDI	GENOUS COMARCAS ASSESSED
	0.23% Percent forest cover lost	33.72 Density of livestock per sq. km	Percent of freshwater consumption to production				
	Vulnerable I Status	Health SC	ORE: 0.586 F	RANK: 4/13 PF	ROVINCES AN	D INDIGEN	OUS COMARCAS ASSESSED
	1.4 Dengue incidence per 100,000 persons	149.2 AIDS incidence per 100,000 persons	36.9 Malaria Incidence per 100,000 persons	65.7 TB incidence per 100,000 persons	53.4% Prevalence of stunting	2.7% Disability	83.65 Maternal Mortality Rate per 100,000 live births
	16.59 Infant mortality per 1,000 live births	71.03 Life expectancy					
0	Clean Water Vulnerability		0.887 RANK:	3/13 PROVINC	es and Indig	ENOUS CC	OMARCAS ASSESSED
	36.7% Households with access to improved drinking water	39.3% Households with access to impro sanitation					
	Information Vulnerability		SCORE: 0.707	RANK: 3/10	PROVINCES	AND INDIG	ENOUS COMARCAS ASSESSED
	52.9% Households with radio	8.0% Households with TV	11.2% Households with internet	School	5.34 Average years of schooling	24.6% Illiteracy rate	9

Economic Constraints SCORE: 0.986 RANK: 1/13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED 0 01 81.9% 0.88 Economic Poverty rate dependency ratio **Gender Inequality** SCORE: 0.707 RANK: 6/13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED 0 1 0.29 0.25 0.11 Proportion of female seats in local government Ratio female to male Ratio female to male labor secondary enrollment **Population Pressures** SCORE: 0.894 RANK: 1/13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED 1 0 2.8% Average annual urban population Percent average population change change



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RESILIENCE (R)

RANK: 13 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.241

Ngäbe Buglé's score and ranking are due to Medium Vulnerability combined with Very Low Coping Capacity scores.

Below are the four thematic areas with the weakest relative scores:



Economic

Constraints





Population

Pressures



Communications Capacity



Health Care Capacity

HAZARD-SPECIFIC RISK (HSR)

Earthquake	RANK: 1 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.683
Flood	RANK: 7 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.172
Sea Level Rise	RANK: 6 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.250
Storm Surge	RANK: 5 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.219
Landslide	RANK: 1 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.575
Wildfire	RANK: 1 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.400
Tsunami	RANK: 11 / 13 PROVINCES AND INDIGENOUS COMARCAS ASSESSED SCORE: 0.077

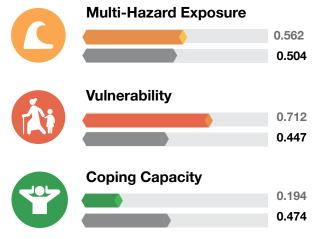


MULTI-HAZARD RISK (MHR)

1/13 RANK WITHIN PROVINCES AND INDIGENOUS COMARCAS SCORE: 0.693

Ngäbe Buglé's score and ranking are due to Medium Multi-hazard Exposure combined with Medium Vulnerability and Very Low Coping Capacity scores.6,814

Multi-hazard risk component scores NGÄBE BUGLÉ SCORE COUNTRY SCORE





Economic Constraints

Ngäbe Buglé ranks the highest in economic constraints in all of Panama. Contributing to this high rank is the highest poverty ranking and the second-highest economic dependency rank in Panama. Dependency of individuals limits mobility for populations and increases vulnerability due to lack of opportunity. Populations such as families with children or the elderly are more likely to be severely affected by natural disasters and face longer recovery times.

Assess disaster response and recovery plans to ensure that economically vulnerable populations are incorporated for long- and short-term recovery. Create public policies guaranteeing equal opportunity and fair wages for all.



Population Pressures

Ngäbe Buglé also ranks the highest in Panama for population pressures, with the second-highest rank in average population change in all of Panama. Population growth increases stress on public utilities, emergency services, and health care. An increase in these decreases the ability for governments to respond adequately to disasters and mass casualties with already limited resources. The migration of large populations leads to strain on social services, economic opportunities, and health care access. Lack of economic opportunity can potentially cause increased criminal activity, increased nutrition needs for vulnerable populations (i.e., elderly and adolescents), and lack of adequate shelter for individuals.

Continue to monitor population growth to ensure policy, plans, and programs meet requirements to appropriately respond to mass casualties and disasters. Ensure population growth and migration remains at a stable and sustainable level. Identify causes and drivers of migration for large populations to address needs and limit forced migration. Ensure a comprehensive understanding of population change across the country to meet public safety needs and requirements.

Communications Capacity

Ngäbe Buglé ranks low in communication capacity with the lowest rates in mobile phone use and second lowest in fixed telephones available at the household level. Unreliable communications and lack of access to communications infrastructure exacerbate information access vulnerability and hinder governments' ability to share critical information during disasters. Lack of adequate communication can also contribute to limited access to public health, safety, and nutrition.

Expand communications infrastructure to ensure coverage, accessibility, and reliability of communications during disasters. Encourage telecommunication infrastructure development at a sustainable pace. Identify messages that can contribute to higher education on public health, safety, and nutrition. Create communications plans to share critical information with the public with primary, alternate, contingency, and emergency plans for communication.

Health Care Capacity

Ngäbe Buglé ranks the lowest in Panama in health care capacity with 1.1 nurses per 10,000 persons and 1.39 physicians per 10,000 persons. Inadequate health care capacity exacerbates other areas such as economic participation, dependency, and adolescent and elderly care. Lack of skilled health care professionals and resources creates a limited resource, forcing care to be triaged to meet the emergent medical needs. This is only exacerbated in mass casualty, disaster situations, and acute disease outbreaks.

Remove health care barriers to adequately address outpatient medical needs for all members of society, preventing medical conditions from turning into more difficult in-patient treatment situations, creating stress on medical systems. Create educational programs that address proper nutrition, exercise, vaccination, and safe sex to reduce behaviors that require medical intervention. Correctly identify hospitals and their respective trauma levels for pediatric and adult care planning mass casualty situations. Ensure hospitals meet standards of care determined by the government. Create and build outpatient health clinics to address medical needs that can be met without a hospital.



Better solutions. Fewer disasters.

Scher

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