

PARAGUAY NEEMBUCÚ

NDPBA DEPARTMENT PROFILE



PARAGUAY ÑEEMBUCÚ

CAPITAL: PILAR

Area: 14,706 (km²)

The Ñeembucú department Is located in the Eastern region of Paraguay. This department is divided into 16 districts: Pilar (The Capital), Alberdi, Cerrito, Desmochados, Gral. José Eduvigis Díaz, Guazú Cuá, Humaitá, Isla Umbú, Laureles, Mayor José Dejesús Martínez, Paso de Patria, San Juan Bautista de Ñeembucú, Tacuaras, Villa Franca, Villa Oliva, Villalbín. The department borders Argentina, and the departments of Misiones and Paraguarí. The main economic sources are livestock and agriculture.



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low

Score: 0.344 • Rank: 17/18



RESILIENCE (R) - High

Score: 0.642 • Rank: 4/18



Population (2015)

89,290



MULTI-HAZARD EXPOSURE (MHE) - Very Low

Score: 0.317 • Rank: 17/18



Infant Mortality Rate

11.7



VULNERABILITY (V) - Very Low

Score: 0.314 • Rank: 16/18



Illiterate population

8.8%



Access to improved water

69.8%



Average life expectancy

74.3 years



COPING CAPACITY (CC) - High

Score: 0.599 • Rank: 4/18

^{*}For more information on data and components please visit: https://bit.lv/2LqVoUO



MULTI-HAZARD EXPOSURE (MHE)

RANK: 17 / 18 DEPARTMENT

SCORE: 0.317



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:

Inland Flood

54% **6**4,408 \$1,5 Billion

Wildfire

25% 4 30,403 **5**466.5 Million

Water Deficit

0% ♣ 45

\$307,821

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Drought

100% 119,526
\$1.6 Billion

Extreme Cold

å -

Storm

-



VULNERABILITY (V)

RANK: 16 / 18 DEPARTMENTS ASSESSED

SCORE: 0.314

Vulnerability in Ñeembucú is primarily driven by Vulnerable Health Status and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the department's overall Vulnerability score.



Environmental Stress

1.37% Cultivated Area Change

1.19% Deforestation



Vulnerable Health Status

SCORE: 0.561 RANK: 3/18 DEPARTMENTS ASSESSED 1

74.25 Life Expectancy (years)

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

117 Maternal Mortality Ratio 55.44 Adult Malnutrition

1 SCORE: 0.167

40.9% Population with

Disability

49.7%

RANK: 18/18 DEPARTMENTS ACCESSED

Population Reporting Illness or Injury



Clean Water Vulnerability

SCORE: 0.459 RANK: 5/18 DEPARTMENTS ASSESSED

69.83% Households with Improved Water Source

79.08% Households with Improved Sanitation



Information Access Vulnerability

SCORE: 0.367 RANK: 15/18 DEPARTMENTS ASSESSED 1

8.8% Illiteracy Rate (Age 10+)

8.3 Average Years of Schooling

19.29% Households with Internet

86.04% Households with Television

89.7% Households with Radio



Economic Constraints

1 SCORE: 0.297

RANK: 17/18 DEPARTMENTS ASSESSED

54.32 Economic Dependency

24.23% Poverty Rate 0.43 Income

Inequality (GINI)



Gender Inequality

SCORE: 0.160 RANK: 16/18 DEPARTMENTS ASSESSED

0.05 Female to Male

Secondary

Education'

0.25 0.21 Female to Male

Female to Male Economic Activity* Average Monthly

*Higher values indicate greater gender disparity.



Population Pressures

1 SCORE: 0.189 **RANK: 16/18 DEPARTMENTS ASSESSED**

0.60%

Average Annual Population Change



COPING CAPACITY (CC)

RANK: 4 / 18 DEPARTMENTS ASSESSED

SCORE: 0.599

Ñeembucú exhibits weaker Coping Capacity in the areas of Transportation Capacity and Health Care Capacity. The bar chart indicates the socioeconomic themes contributing to the department's overall Coping Capacity score.



Economic Capacity

95.22 1,806

Average Monthly Income Employment Rate



Governance

44.67% 67.15%

Households receiving Garbage Collection

1 SCORE: 0.502

1 SCORE: 0.711

RANK: 11/18 DEPARTMENTS ASSESSED

RANK: 2/18 DEPARTMENTS ASSESSED



Participation



Crime Governance

4.51

Homicide Rate (per 100,000 People)

117.14 Property Crime Rate (per 100,000 People) SCORE: 0.721 **RANK: 6/18 DEPARTMENTS ASSESSED**



Environmental Capacity

3.95% Protected Area 1 SCORE: 0.227

RANK: 12/18 DEPARTMENTS ASSESSED

(COPING CAPACITY CONTINUED)



Infrastructure Capacity

1 SCORE: 0.601

RANK: 8/18 DEPARTMENTS ASSESSED



Health Care Capacity SCORE: 0.524 RANK: 4/18 DEPARTMENTS ASSESSED

10.14 Hopital Beds per

15.88 Physicians per 23.77 Nurses per 10,000 8,498.79

73.28%

75.84%

10,000 People

10,000 People

People

Average Distance to Nearest Hospital (km2)

Vaccination Coverage

Access to Healthcare



Transportation Capacity SCORE: 0.428 RANK: 11/18 DEPARTMENTS ASSESSED

0.35

59.37

Road Density (km per sq. km)

Distance to Airport or Seaport (km)



Communications Capacity SCORE: 0.611 RANK: 7/18 DEPARTMENTS ASSESSED

95.7%

9.34%

Households with Mobile Phone

Households with Fixed Phone



Energy Capacity SCORE: 0.844 RANK: 12/18 DEPARTMENTS ASSESSED

97.98%

Households Connected to Electric Grid

Disaster Management Capacity

1 SCORE: 0.801

RANK: 3/18 DEPARTMENTS ASSESSED 104.74

Ambulances per 100,000 People

12.39

Distance to Fire Station

50.35

Distance to Warehouse



RESILIENCE (R)

RANK: 4 / 18 DEPARTMENTS

SCORE: 0.642

Neembucu's score and ranking are due to Very Low Vulnerability combined with High Coping Capacity scores.

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



Vulnerable Health Status



Clean Water Access Vulnerability



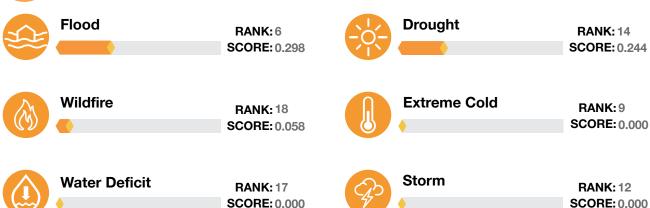
Transportation Capacity



Health Care Capacity



HAZARD-SPECIFIC RISK (HSR)

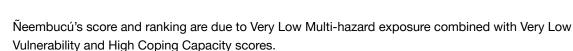




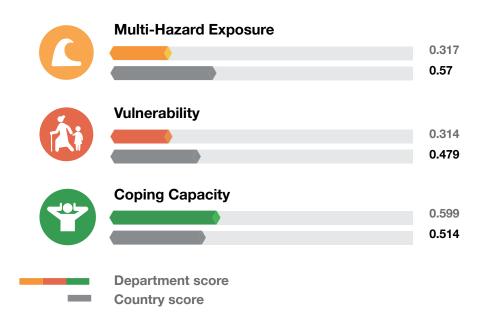
MULTI-HAZARD RISK (MHR)

17 / 18

Rank within departments Score: 0.344



Multi-hazard risk component scores compared to overall average country scores:





Vulnerable Health Status

A population with a compromised health status will have a greatly reduced ability to manage short- and long-term disaster outcomes. Improving health is often correlated with decreased susceptibility to injury, disease, and stress associated with disasters. Acute or prolonged vulnerable health status limits the basic capacity of response functions.

Ñeembucú ranks 3rd in overall Vulnerable Health Status. The department is highest in the country in prevalence of disability (41%) and 7th highest in self-reported sickness or injury (50%). Malnutrition is pervasive at a rate of 55%. Continue to monitor the health of the community and promote healthy lifestyles. Focus on attracting additional resources to support health care in rural and vulnerable regions of the department.

Focus efforts on reducing malnutrition by providing public assistance, as well as monitoring and regulating market prices. Ensure access to goods even in rural communities through incentives and direct support for underserved communities.

Ensure that disaster plans account for special needs populations, including the sick and disabled, who may need medical assistance during evacuation and in shelters. Communities with vulnerable health status are also more susceptible to the negative health impacts of disasters. Preexisting health challenges, combined with clean water vulnerability and exposure to flood hazards, increase the potential to spread waterborne illness in Neembucú.

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Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation in Ñeembucú improves health outcomes and frees up resources to decrease further susceptibility to impacts.

In Ñeembucú, only 69.8% of households have access to improved water sources. Invest in water delivery infrastructure and ensure that sources are safe, sustainable, and reliable. Develop partnerships to invest in water treatment and distribution systems as the growing population and climate change will only exacerbate the already existing vulnerabilities.

Floods are already impacting the population, which may increase health risks when combined with limitations in improved water infrastructure.

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Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access department populations. Improved transportation capacity supports all aspects of Ñeembucú's ability to distribute resources before, during, and after a disaster.

Although Neembucú has a relatively low population density, limited transportation capacity may hamper emergency response activities and decrease public access to resources. Focus on ensuring transportation projects target areas that have the most limited transportation networks. Increased transportation networks can also bring increase health care accessibility and service delivery.

Economic benefits and enhanced emergency response operations should be the focus of enhancements to the transportation network in Alto Paraguay. Evacuation routes and emergency response plans should be adapted as construction is planned and implemented. Additionally, all construction projects need to be balanced with research and planners to ensure that environmental hazards are mitigated.

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Health Care Capacity

Robust access to skilled caregivers and the dedicated facilities for the treatment of injury and disease during nondisaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster associated health and medical impacts may be addressed.

Although Ñeembucú ranks 5th in overall Health Care Capacity, findings show that the department has the 5th lowest vaccination coverage rate (73%). Promotion of vaccinations, healthy lifestyles and use of primary care will help boost the health of the population to reduce the burden on the healthcare sector.

With the population's vulnerable health status, community health campaigns and expanded partnerships with NGOs and the private sector are needed to educate the communities and provide programs and services that meet their specific health care needs.



Better solutions. Fewer disasters.

Safer World.

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