



ARGENTINA

CHACO

NDPBA PROVINCE PROFILE

ARGENTINA CHACO

CAPITAL: RESISTENCIA

Area: 99,764 km²

Chaco Province is located in the Nordeste Argentino (NEA) region of Argentina. This Province is divided into 25 Provinces, the Capital being Chaco. The Province borders Paraguay and the Provinces of Formosa, Corrientes, Santa Fe, Santiago del Estero and Salta. The main economic sources are Agriculture, livestock and industrial production.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High

Score: 0.605 • Rank: 4/24



RESILIENCE (R) - Very Low

Score: 0.389 • Rank: 22/24



MULTI-HAZARD EXPOSURE (MHE) - High

Score: 0.592 • Rank: 8/24



VULNERABILITY (V) - Very High

Score: 0.622 • Rank: 2/24



COPING CAPACITY (CC) - Low

Score: 0.400 • Rank: 19/24



Population (2018)

1,180,477



Population in Poverty

41.4%



Illiterate population

5.5%



Access to improved water

76.5%



Average life expectancy

72.9 years

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 8 / 24 PROVINCES
SCORE: 0.592










MHE
0.592

Raw MHE
0.495

Relative MHE
0.69

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:

 <p>Earthquake 0% 👤 83 -</p>	 <p>Flood 33% 👤 392,785 \$13.5 Billion</p>	 <p>Landslide 10% 👤 119,837 \$4.4 Billion</p>
 <p>Volcanic Eruption 0% 👤 0 -</p>	 <p>Wildfire 62% 👤 730,558 \$24.4 Billion</p>	 <p>Drought 97% 👤 1,138,863 \$37.1 Billion</p>
 <p>Extreme Temperature 0% 👤 0 -</p>		



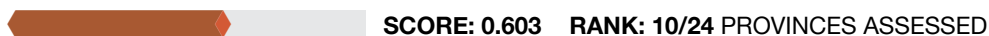
VULNERABILITY (V)

RANK: 2 / 24 PROVINCES ASSESSED
SCORE: 0.622

Vulnerability in Chaco is primarily driven by Clean Water Access Vulnerability and Information Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



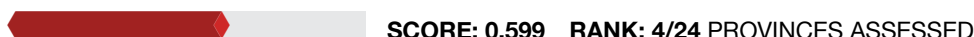
Environmental Stress



6.4% **49.4**
Land degradation Land affected by wildfire (per 100k ha)



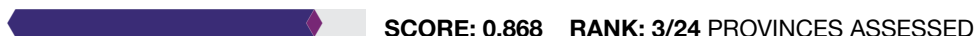
Vulnerable Health Status



72.9 **11.9** **4.1** **15.4%** **1** **27.1**
Life expectancy (years) Infant mortality rate (per 1,000 live births) Maternal mortality ratio Disability HIV incidence Tuberculosis incidence



Clean Water Vulnerability



23.5% **73.6%**
Households without piped water Households without sewage services



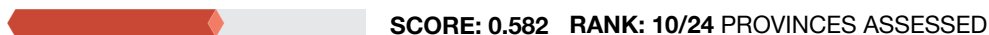
Information Access Vulnerability



5.5% **80.9%** **83.5%** **3.35**
Illiteracy Rate (Age 10+) Secondary education completion rate School enrollment Education investment per capita (million pesos)



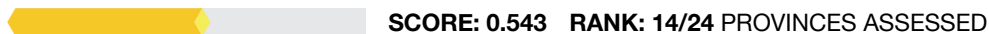
Economic Constraints



55.6 **5.3%** **41.4%**
Economic dependency ratio Unemployment rate Poverty rate



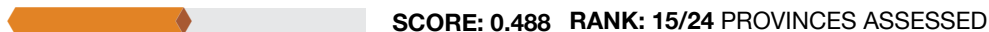
Gender Inequality



1.81 **58.3**
Female to male unemployment Female judiciary seats



Population Pressures



1.1%
Average Annual population change



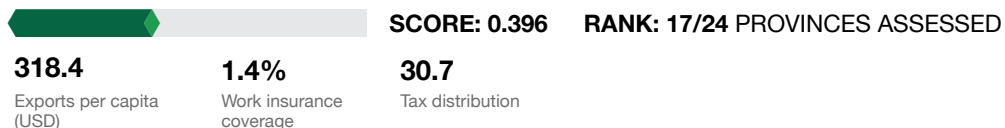
COPING CAPACITY (CC)

RANK: 19 / 24 PROVINCES ASSESSED
SCORE: 0.400

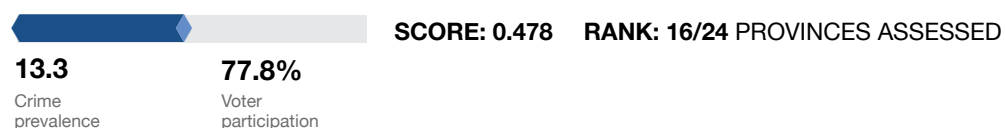
Chaco exhibits weaker Coping Capacity in the areas of Energy Capacity and Communications Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



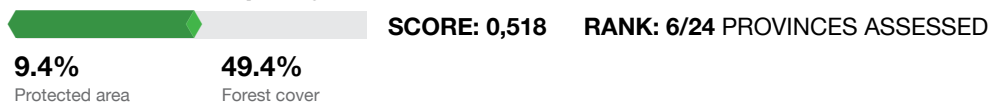
Economic Capacity



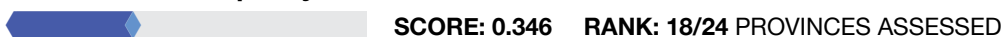
Governance



Environmental Capacity



Infrastructure Capacity



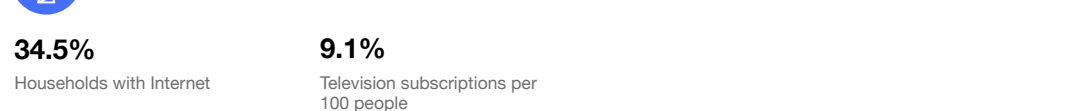
Health Care Capacity



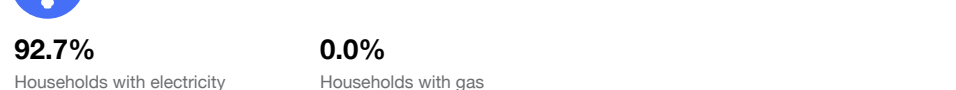
Transportation Capacity



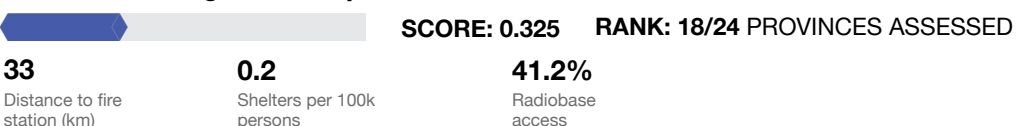
Communications Capacity



Energy Capacity



Disaster Management Capabilities





RESILIENCE (R)

RANK: 22 / 24 PROVINCES
SCORE: 0.389

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

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



**Clean Water
Access
Vulnerability**



**Information Access
Vulnerability**



Energy Capacity



**Communications
Capacity**



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 8 / 24 PROVINCES ASSESSED
SCORE: 0.063



Wildfire

RANK: 1 / 24 PROVINCES ASSESSED
SCORE: 0.557



Volcano

RANK: 9 / 24 PROVINCES ASSESSED
SCORE: 0.000



Flood

RANK: 1 / 24 PROVINCES ASSESSED
SCORE: 0.532



Landslide

RANK: 15 / 24 PROVINCES ASSESSED
SCORE: 0.170



Drought

RANK: 1 / 24 PROVINCES ASSESSED
SCORE: 0.545



Extreme Temperature

RANK: 14 / 24 PROVINCES ASSESSED
SCORE: 0



MULTI-HAZARD RISK (MHR)

4 / 24

RANK WITHIN PROVINCES
Score: 0.605

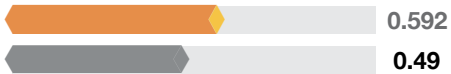


Chaco's score and ranking are due to High Multi-hazard exposure combined with Very High Vulnerability and Low Coping Capacity scores.

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



Multi-Hazard Exposure



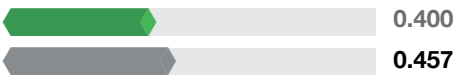
DISTRICT SCORE
COUNTRY SCORE



Vulnerability



Coping Capacity



CHACO RECOMMENDATIONS

1

Clean Water Access Vulnerability

Chaco Province ranks 3rd in Overall Clean Water Access Vulnerability. Nearly 24% of homes in Chaco Province do not have access to piped water, and 74% are not connected to sewer services. Invest in improved water and sanitation infrastructure to increase access to clean water and reduce health risks.

Findings show a high rate of exposure drought in Chaco Province. Protect the agricultural sector by investing in infrastructure to promote water conservation and support farmers through training and education on drought resistant crop varieties and farming practices to reduce water stress and drought impacts.

Chaco Province is also at high risk for flood. Educate and build preparedness among exposed communities on potential impacts of floods on fresh water and sanitation systems. Replace dated and unimproved water and sanitation infrastructure to reduce potential impacts and increase resilience.

2

Information Access Vulnerability

Findings show that Chaco Province has the highest Access to Information Vulnerability in Argentina, exhibiting the country's highest illiteracy rate (5.5%), and 3rd lowest school enrollment rate (84%). Outcomes of Access to Information Vulnerability are also reflected in the Province's poverty rate (41.4% - 3rd highest in the nation).

Reduce economic barriers to school attendance, promoting stable household living conditions.

Focus interventions on building literacy standards at the primary level, and on reducing school dropout rates. Ensure that the Province has the human resources needed to support education through the secondary level.

CHACO RECOMMENDATIONS

3

Energy Capacity

Chaco Province ranks 23rd in overall Energy Capacity, with 93% of households reporting connection to the electricity network, and 0 households connected to the natural gas network. Focus development programs on increasing energy capacity by establishing sustainable power generation in underserved communities and extending the existing transmission and distribution network.

4

Communications Capacity

Chaco ranks 15th in overall Communication Capacity. Just 35% of households have access to the internet, and there are just 9 television subscriptions per 100 people. Pursue public-private partnerships to increase availability and affordability of internet and television communications.

While investing to diversify access to communication technology, officials should broadcast critical information and disaster warnings primarily via alternate media (such as radio) to keep the population informed and ensure that appropriate actions are taken. Chaco district is highly exposed to drought, wildfire and flood hazards.

**Better solutions.
Fewer disasters.**

Safer world.

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