

ARGENTINA
TUCUMÁN

NDPBA PROVINCE PROFILE



ARGENTINA TUCUMÁN

CAPITAL: SAN MIGUEL DE TUCUMÁN

Area: 22,539 km²

Tucumán Province is located in the Noroeste Argentino (NOA) region of Argentina. This Province is divided into 17 Provinces, the Capital being Tucumán. The Province borders the Provinces of Salta, Santiago del Estero and Catamarca. The main economic sources are agriculture, livestock, manufacturing and tourism.



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High

Score: 0.612 · Rank: 2/24



RESILIENCE (R) - Low

Score: 0.448 · Rank: 15/24



Population (2018)

164,944



MULTI-HAZARD EXPOSURE (MHE) - High

Score: 0.734 · Rank: 5/24



Population in Poverty

32.2%





Illiterate population 2.5%



Access to improved water

88.8%



Average life expectancy

75.1 years



COPING CAPACITY (CC) - Low

Score: 0.443 · Rank: 15/24

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 24 PROVINCES

SCORE: 0.734



MHE 0.734

Raw MHE 0.579

Relative MHE 0.889

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

0%

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Flood

5% & 85,955

\$2.7 Billion

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Landslide

33%

♣ 553,040 \$20.2 Billion



Volcanic Eruption

0%

4 0

(M)

Wildfire

44%

4 735,253 \$24.3 Billion



Drought

100%

1,656,802



Extreme Temperature

77%

1,274,992 \$43.4 Billion



VULNERABILITY (V)

RANK: 10 / 24 PROVINCES ASSESSED

SCORE: 0.546

Vulnerability in Tucumán is primarily driven by Economic Constraints and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



Environmental Stress

SCORE: 0.464 RANK: 15/24 PROVINCES ASSESSED

4.3% 7.9

Land Land affected degredation by wildfire (per 100k ha)



Vulnerable Health Status

SCORE: 0.442 RANK: 10/24 PROVINCES ASSESSED

75.1 11 2.8 14.3% 15.7 11.2

Life expectancy Infant mortality Maternal Disability HIV Tuberculosis (years) rate (per 1,000 mortality ratio incidence incidence



Clean Water Vulnerability

SCORE: 0.519 RANK: 8/24 PROVINCES ASSESSED

11.2% 53.4%

Households Without piped Water Households Without sewage Services



Information Access Vulnerability

completion rate

SCORE: 0.539 RANK: 10/24 PROVINCES ASSESSED

2.5% 80.4% 87.0% 2.7

Illiteracy Rate Secondary School Education investment per (Age 10+) education enrollment capita (million pesos)

55

Economic Constraints

SCORE: 0.745 RANK: 3/24 PROVINCES ASSESSED

55.8 7.9% 32.2%

Economic Unemployment Poverty rate dependency rate ratio



Gender Inequality

SCORE: 0.556 RANK: 13/24 PROVINCES ASSESSED

1.89 45

Female to male Female judiciary unemployment seats



Population Pressures

SCORE: 0.558 RANK: 9/24 PROVINCES ASSESSED

1.3%

Average Annual population change



COPING CAPACITY (CC)

RANK: 15 / 24 PROVINCES ASSESSED

SCORE: 0.443

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



Economic Capacity

SCORE: 0.405 RANK: 15/24 PROVINCES ASSESSED

697.9 2.0% 20.8

Exports per capita Work insurance Tax distribution (USD) coverage



Governance

SCORE: 0.434 RANK: 21/24 PROVINCES ASSESSED

26.1 82.8%
Crime Voter prevalence participation



Environmental Capacity

SCORE: 0,608 RANK: 4/24 PROVINCES ASSESSED

21.9% 40.4% Forest cover



Infrastructure Capacity

SCORE: 0.504 RANK: 11/24 PROVINCES ASSESSED



Health Care Capacity SCORE: 0.575 RANK: 6/24 PROVINCES ASSESSED

33.7 36.5 63.5% 9.7

Hopital beds per Physicians per Health insurance Average distance to nearest 10,000 people coverage hospital (km2)

Transportation Capacity SCORE: 0.671 RANK: 5/24 PROVINCES ASSESSED

0.47 16 93.1%



Communications Capacity SCORE: 0.122 RANK: 23/24 PROVINCES ASSESSED

29.2% 7.0%

Households with Internet Television subscriptions per

100 people



Energy Capacity SCORE: 0.65 RANK: 12/24 PROVINCES ASSESSED

98.5% 40.2%

Households with electricity Households with gas



Disaster Management Capabilities

SCORE: 0.354 RANK: 16/24 PROVINCES ASSESSED

31.7 0 45.4%
Distance to fire station (km) Shelters per 100k Radiobase access access



RESILIENCE (R)

RANK: 15 / 24 PROVINCES

SCORE: 0.448

Tucumán's score and ranking are due to Moderate Vulnerability combined with Low Coping Capacity scores.

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









Economic Constraints

Population Pressures

Communications Capacity

Disaster Management Capabilities



HAZARD-SPECIFIC RISK (HSR)

Earthquake	RANK: 13 / 24 PROVINCES ASSESSED SCORE: 0.000
Wildfire	RANK: 3 / 24 PROVINCES ASSESSED SCORE: 0.418
Volcano	RANK: 9 / 24 PROVINCES ASSESSED SCORE: 0.000
Flood	RANK: 13 / 24 PROVINCES ASSESSED SCORE: 0.196
Landslide	RANK: 2 / 24 PROVINCES ASSESSED SCORE: 0.344
Drought	RANK: 6 / 24 PROVINCES ASSESSED SCORE: 0.508
Extreme Temperature	RANK: 5 / 24 PROVINCES ASSESSED SCORE: 0.44

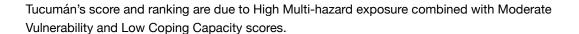
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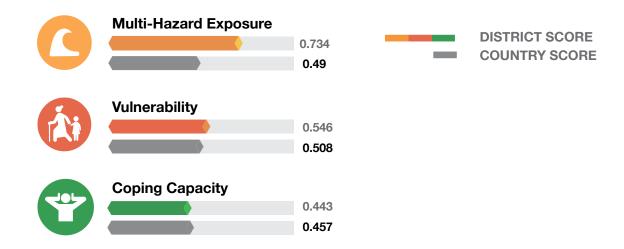
MULTI-HAZARD RISK (MHR)

2 / 24

RANK WITHIN PROVINCES Score: 0.612



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



TUCUMÁN RECOMMENDATIONS

Economic Constraints

Findings show that Tucumán Province has the highest unemployment rate in Argentina (7.9%), with the 3rd highest overall Economic Constraints.

Continue to support new business opportunities to diversify livelihoods and generate prospects for employment, and equitable distribution of property and economic assets in the Province.

Promote educational programs that build the skillsets required to enter the workforce. Develop school-to-work programs in addition to preparatory instruction for higher education.

2

Population Pressures

Tucumán Province experienced the 9th largest average annual population increase between 2010 and 2019 (1.3%). As population growth steadily increases, closely monitor development to prevent environmental stress and ensure that resource and infrastructure needs are met.

Incorporate multi-hazard mapping and risk assessment into land-use plans and zoning regulations to reduce and prevent development in hazard-prone areas of the Province.

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TUCUMÁN RECOMMENDATIONS

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Communications Capacity

Findings show that Tucumán
Province ranks 23rd in the
country in overall Communication
Capacity. Just 29% of
households have access to
the internet, and there are 7
television subscriptions per
100 people. Pursue publicprivate 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. Tucumán Province is exposed to drought, extreme temperature, wildfire, landslide and flood hazards.



Disaster Management Capabilities

Pursue public-private partnerships to increase radiobase access to increase availability, security, and resilience of disaster communications. Establish designated emergency shelters. Coordinate with the Argentine Red Cross to provide shelter management training for community volunteer and provincial staff.



Better solutions. Fewer disasters.

Safer World.

1305 N Holopono Street Suite 2, Kihei, HI 96753 P: (808) 891-0525 F: (808) 891-0526



@PDC_Global







ndpba.arg@pdc.org