



ARGENTINA

CHUBUT

NDPBA PROVINCE PROFILE

ARGENTINA CHUBUT

CAPITAL: RAWSON

Area: 224,195 km²

Chubut Province is located in the Patagonia region of Argentina. This Province is divided into 15 Provinces, the Capital being Chubut. The Province borders Chile and the Provinces of Río Negro and Santa Cruz. The main economic sources are mining, petroleum refining, livestock and fishing.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low

Score: 0.432 • Rank: 19/24



RESILIENCE (R) - High

Score: 0.507 • Rank: 8/24



MULTI-HAZARD EXPOSURE (MHE) - Low

Score: 0.311 • Rank: 19/24



VULNERABILITY (V) - Low

Score: 0.451 • Rank: 19/24



COPING CAPACITY (CC) - Moderate

Score: 0.465 • Rank: 12/24



Population (2018)

598,380



Population in Poverty

35.5%



Illiterate population

2.0%



Access to improved water

96.4%



Average life expectancy

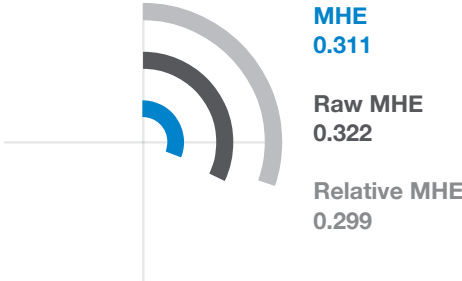
76.0 years

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










MULTI-HAZARD EXPOSURE (MHE)

RANK: 19 / 24 PROVINCES
SCORE: 0.311



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:

 <p>Earthquake 0% 👤 0 -</p>	 <p>Flood 14% 👤 84,255 \$2.9 Billion</p>	 <p>Landslide 34% 👤 200,313 \$7.3 Billion</p>
 <p>Volcanic Eruption 1% 👤 2,694 \$40 Million</p>	 <p>Wildfire 1% 👤 5,734 \$0.2 Billion</p>	 <p>Drought 0% 👤 0 -</p>
 <p>Extreme Temperature 45% 👤 266,044 \$9.4 Billion</p>		



VULNERABILITY (V)

RANK: 19 / 24 PROVINCES ASSESSED
SCORE: 0.451

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



Environmental Stress

SCORE: 0.433 RANK: 17/24 PROVINCES ASSESSED

4.6% **2.3**
Land degradation Land affected by wildfire (per 100k ha)



Vulnerable Health Status

SCORE: 0.319 RANK: 16/24 PROVINCES ASSESSED

76 **9** **2.1** **12.9%** **16.1** **15.1**
Life expectancy (years) Infant mortality rate (per 1,000 live births) Maternal mortality ratio Disability HIV incidence Tuberculosis incidence



Clean Water Vulnerability

SCORE: 0.187 RANK: 21/24 PROVINCES ASSESSED

3.6% **22.3%**
Households without piped water Households without sewage services



Information Access Vulnerability

SCORE: 0.487 RANK: 17/24 PROVINCES ASSESSED

2.0% **77.2%** **92.0%** **2.72**
Illiteracy Rate (Age 10+) Secondary education completion rate School enrollment Education investment per capita (million pesos)



Economic Constraints

SCORE: 0.406 RANK: 20/24 PROVINCES ASSESSED

51.8 **5.6%** **35.5%**
Economic dependency ratio Unemployment rate Poverty rate



Gender Inequality

SCORE: 0.586 RANK: 11/24 PROVINCES ASSESSED

1.85 **41.4**
Female to male unemployment Female judiciary seats



Population Pressures

SCORE: 0.74 RANK: 3/24 PROVINCES ASSESSED

2.0%
Average Annual population change



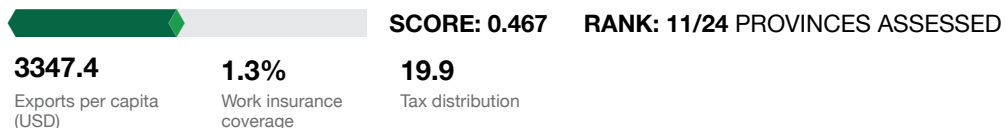
COPING CAPACITY (CC)

RANK: 12 / 24 PROVINCES ASSESSED
SCORE: 0.465

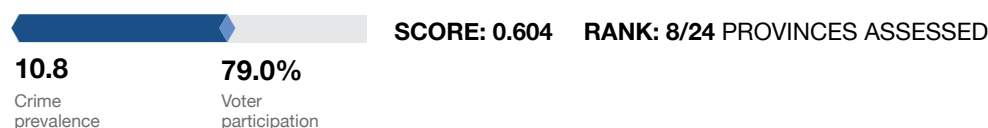
Chubut exhibits weaker Coping Capacity in the areas of Transportation Capacity and Disaster Management Capabilities. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



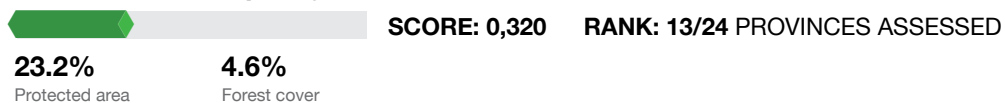
Economic Capacity



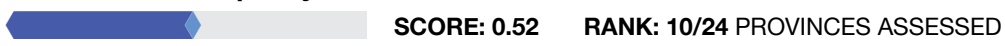
Governance



Environmental Capacity



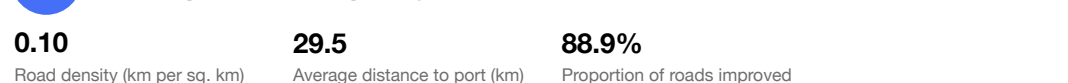
Infrastructure Capacity



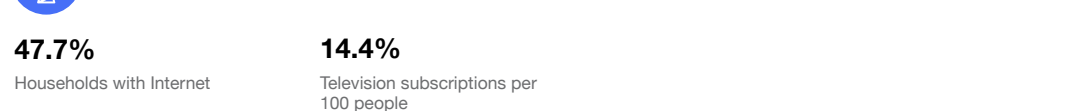
Health Care Capacity



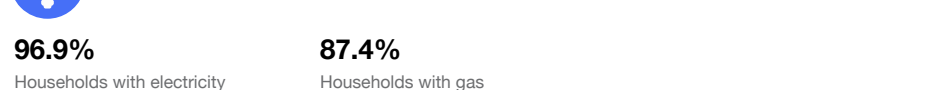
Transportation Capacity



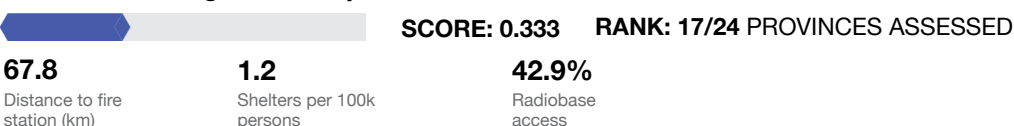
Communications Capacity



Energy Capacity



Disaster Management Capabilities





RESILIENCE (R)

RANK: 8 / 24 PROVINCES
SCORE: 0.507

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

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



Population Pressures



Gender Inequality



Transportation Capacity



Disaster Management Capabilities



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 13 / 24 PROVINCES ASSESSED
SCORE: 0.000



Wildfire

RANK: 23 / 24 PROVINCES ASSESSED
SCORE: 0.018



Volcano

RANK: 4 / 24 PROVINCES ASSESSED
SCORE: 0.098



Flood

RANK: 9 / 24 PROVINCES ASSESSED
SCORE: 0.286



Landslide

RANK: 9 / 24 PROVINCES ASSESSED
SCORE: 0.260



Drought

RANK: 22 / 24 PROVINCES ASSESSED
SCORE: 0.000



Extreme Temperature

RANK: 10 / 24 PROVINCES ASSESSED
SCORE: 0.29



MULTI-HAZARD RISK (MHR)

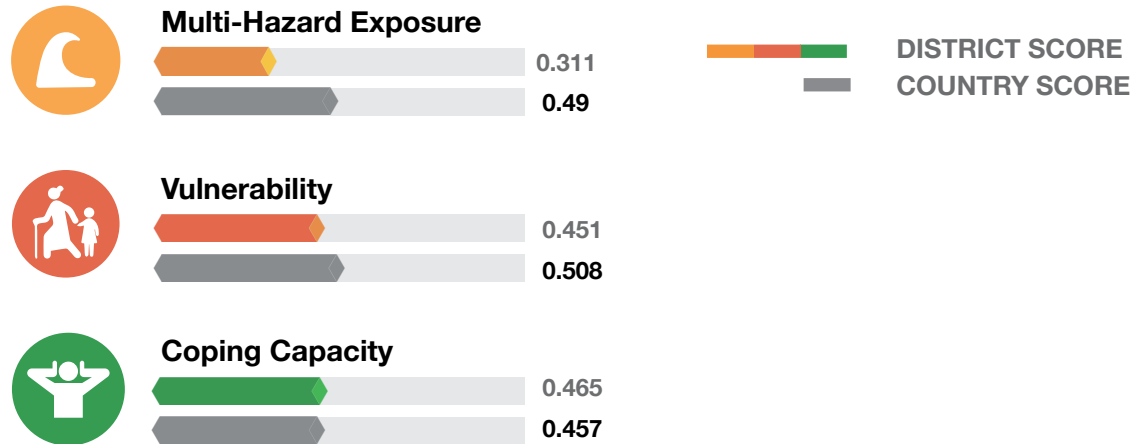
19 / 24

RANK WITHIN PROVINCES
Score: 0.432



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

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



CHUBUT RECOMMENDATIONS

1

Population Pressures

Chubut Province experienced the 3rd largest average annual population increase between 2010 and 2019 (over 2%). 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.

2

Gender Inequality

Encourage women to participate in the disaster management planning and decision-making process through inclusion community emergency brigades and representation in local government.

CHUBUT RECOMMENDATIONS

3

Transportation Capacity

Low road network density combined with large average distances to the nearest airport may reduce the connectivity of people, goods, and services to Chubut Province during a disaster.

Invest in transportation infrastructure to facilitate the distribution of resources and services before, during, and after a disaster.

4

Disaster Management Capabilities

Focus on building community and volunteer fire and emergency response corps. Identify government or external resources to conduct emergency services training and conduct Province-level exercise on a regular basis.

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



/PDCGlobal



www.pdc.prg



ndpba.arg@pdc.org