



CABO VERDE

SANTA CATARINA DO FOGO

NDPBA MUNICIPAL PROFILE

CABO VERDE

SANTA CATARINA DO FOGO

ISLAND: FOGO

Area: 153 km²

The municipality of Santa Catarina do Fogo is situated in the central and southeastern part of the volcanic Fogo Island. It is one of three municipalities on Fogo along with São Filipe, and Mosteiros. Santa Catarina do Fogo occupies about 32% of the island's land area and houses 14% of its population. The northwestern part of the municipality is within Fogo Natural Park that houses the Pico de Fogo volcano and its crater. Its main city is Cova Figueira. Cova Figueira is about 35 to 50 km from the island's capital, São Filipe. The island in general has a moderately dry tropical climate and a semi-arid mild tropical climate on the slopes. Drought is much less observed on Fogo due to the moisture gained from the clouds on the mountain. Santa Catarina de Fogo is a predominantly rural municipality with agriculture being the main economic activity. Cã das Caldeiras is one of the most privileged areas of the municipality with vine cultivation and exports wines. Santa Catarina do Fogo Municipality was established in 2005 and consists of one civil parish and further subdivided into smaller settlements. While improvements have been made to water and wastewater systems, the City of Cova Figueira has yet to have a modern wastewater treatment and disposal system.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low

Score: 0.460 • Rank: 13/22



RESILIENCE (R) - High

Score: 0.573 • Rank: 8/22



MULTI-HAZARD EXPOSURE (MHE) - High

Score: 0.526 • Rank: 5/22



VULNERABILITY (V) - Low

Score: 0.438 • Rank: 13/22



COPING CAPACITY (CC) - High

Score: 0.585 • Rank: 5/22



Population (2020 projected)

5,206



Infant mortality rate
(per 1,000 live births)

18.9



Poverty rate

23.7%



Population with access
to improved water

93.9%



Average years of schooling

6.9



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 22 MUNICIPALITIES

SCORE: 0.526



MHE
0.526

Raw MHE
0.264

Relative MHE
0.789

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Drought

100.0%

8,470

\$29.9 Million

Critical Infrastructure Exposed:
100.0%



Flood

0.2%

17

–

Critical Infrastructure Exposed:
4.0%



Earthquake Induced Landslide

1.2%

101

–

Critical Infrastructure Exposed:
0.0%



Precipitation Induced Landslide

7.7%

651

–

Critical Infrastructure Exposed:
0.0%



Volcano

99.8%

8,456

\$29.9 Million

Critical Infrastructure Exposed:
100.0%



Forest Fire

38.4%

3,250

\$8.6 Million

Critical Infrastructure Exposed:
25.0%



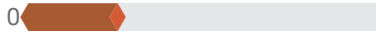
VULNERABILITY (V)

RANK: 13 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.438

Vulnerability in Santa Catarina Do Fogo is primarily driven by Information Access Vulnerability and Population Pressures. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



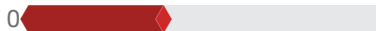
Environmental Stress

0  1 **SCORE: 0.259** **RANK: 15/22 MUNICIPALITIES ASSESSED**

0.41 **35.3%** **0.1%**
Livestock Density per Hectare Households Using Firewood as Cooking Fuel Loss in Tree Cover (2001 to 2020)



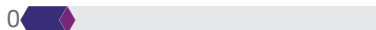
Vulnerable Health Status

0  1 **SCORE: 0.392** **RANK: 17/22 MUNICIPALITIES ASSESSED**

18.9 **7.2%** **—** **19.1**
Infant Mortality Rate (per 1,000 live births) Disabled Population TB Prevalence per 100k Persons HIV Incidence per 100K Persons



Clean Water Vulnerability

0  1 **SCORE: 0.112** **RANK: 21/22 MUNICIPALITIES ASSESSED**

4.6 **92.2%** **93.9%**
Average Time to Collect Water for Household Use Households with Access to Wastewater Services Population with Access to Improved Water




Information Access Vulnerability

0  1 **SCORE: 0.739** **RANK: 1/22 MUNICIPALITIES ASSESSED**



84.3% **6.9** **66.3%** **22.9%** **66.3%**
Adult Literacy Rate Average Years of Schooling Households with Television Households with radio Households with Internet access



Economic Constraints

0  1 **SCORE: 0.445** **RANK: 16/22 MUNICIPALITIES ASSESSED**

0.63 **0.35** **3.2%** **23.7%** **10.5%**
Age dependency ratio Gini index Unemployment Rate Poverty rate Households owning a vehicle

**Gender Inequality**0  1 **SCORE: 0.543** **RANK: 7/22 MUNICIPALITIES ASSESSED****46.2%**
Female Seats
Municipal City
Council**0.46**
Female to male labor
participants**1.13**
Parity in Secondary
Education Enrollment**Population Pressures**0  1 **SCORE: 0.577** **RANK: 4/22 MUNICIPALITIES ASSESSED****-0.18%**
Average annual
population
change**-51.14**
Net Migration
Rate (per 1,000
persons)**30.59**
Youth Bulge



COPING CAPACITY (CC)

RANK: 5 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.585

Santa Catarina Do Fogo exhibits weaker Coping Capacity in the areas of Health Care Capacity and Communications Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

SCORE: 0.573 RANK: 4/22 MUNICIPALITIES ASSESSED

62.08% **5.76** **135,615**
Economic Activity Rate Financial Service Locations per 10k Persons Avg Annual Expenditures per Capita CVE



Governance

SCORE: 0.644 RANK: 9/22 MUNICIPALITIES ASSESSED

63% **296.3** **73.9%**
Population Properly Disposing Waste Crimes Reported per 10k persons Voter Participation Rate in Local Elections



Environmental Capacity

SCORE: 1.000 RANK: 1/22 MUNICIPALITIES ASSESSED

29.99%
Protected Area



Infrastructure Capacity

SCORE: 0.399 RANK: 18/22 MUNICIPALITIES ASSESSED



Health Care Capacity

SCORE: 0.207 RANK: 20/22 MUNICIPALITIES ASSESSED

1.90 **1.90** **91.7%** **0**
Physicians per 10k Persons Nurses per 10k Persons Pct Under 1yr Fully Vaccinated Hospitals per 10k persons



Transportation Capacity

SCORE: 0.331 RANK: 20/22 MUNICIPALITIES ASSESSED

0.64 **17.61**
Road density (km per sq. km) Average Distance to Port Facility (km)



Communications Capacity

SCORE: 0.330 RANK: 14/22 MUNICIPALITIES ASSESSED

17.8% **61.1%**
Households with Fixed Phones Population with Mobile Phone



Energy Capacity

SCORE: 0.480 RANK: 13/22 MUNICIPALITIES ASSESSED

90.3% **58.5%**
Households with Access to Electricity Households with Access to Gas



Emergency Services Capacity

SCORE: 0.650 RANK: 12/22 MUNICIPALITIES ASSESSED

19.51 **16.01** **38.42**
Average Distance to Hospital (km) Average Distance to Police Station (km) Firefighters per 10,000 Persons



RESILIENCE (R)

RANK: 8 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.573

Santa Catarina Do Fogo's score and ranking are due to Low Vulnerability combined with High Coping Capacity scores.

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



**Information
Access
Vulnerability**



**Population
Pressures**



**Health Care
Capacity**



**Communications
Capacity**



HAZARD-SPECIFIC RISK (HSR)



Drought

RANK: 11 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.301



Flood

RANK: 19 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.048



**Earthquake Induced
Landslide**

RANK: 17/22 MUNICIPALITIES ASSESSED
SCORE: 0.036



**Precipitation Induced
Landslide**

RANK: 18/22 MUNICIPALITIES ASSESSED
SCORE: 0.042



Forest Fire

RANK: 15 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.147



Volcano

RANK: 4/ 22 MUNICIPALITIES ASSESSED
SCORE: 0.405



MULTI-HAZARD RISK (MHR)

13 / 22RANK WITHIN MUNICIPALITIES
Score: 0.460

Santa Catarina Do Fogo's score and ranking are due to High Multi-hazard Exposure combined with Low Vulnerability and High Coping Capacity scores.

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

SANTA CATARINA DO FOGO
SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



SANTA CATARINA DO FOGO RECOMMENDATIONS

1

Information Access Vulnerability

Santa Catarina Do Fogo has the highest overall Information Access Vulnerability in Cabo Verde, with the lowest percentage of households with a television (66.3%) and the 2nd lowest percentage with radio access (23%). Average years of schooling for the municipality is 6.9 years, and 84% of the adult population is literate.

Focus efforts on providing programs to increase school attendance and completion of secondary education. Given the population pressures in the municipality, work with communities to better understand the underlying factors that represent barriers to education and literacy.

Implement community outreach and education programs focused on hazard awareness, disaster preparedness, and health and safety practices to build community resilience. Include information and resources for audiences requiring special considerations such as the very young, elderly, and disabled populations. Boost public-private collaboration and coordination to ensure that hazard warning information is accessible and disseminated as broadly as possible through multiple communications channels.

2

Population Pressures

Ranking 4th highest overall for Population Pressures, Santa Catarina Do Fogo has the highest youth bulge in the country, with 30.6% of the adult population between the ages of 15 and 24. The municipality has a net migration rate of -51.14 per 1,000 persons.

High rates of emigration from the municipality can leave gaps in social support systems and contribute to a loss of intellectual capital and skilled labor, affecting the economy and its growth potential. Combined with the youth bulge, decreases in economic opportunities and employment have the potential to become a source of social and political instability in the municipality.

Strengthen economic planning efforts to identify vulnerabilities related to the changing population. Implement programs and support systems to identify gainful employment opportunities for youth residing in the municipality, including vocational, technical, and entrepreneurial training programs. Ensuring productive employment in a youth bulge, when economic dependency is low, tends to increase per capita income, yielding a demographic dividend. Combined with services to alleviate poverty, enhanced policing in areas susceptible to criminal activity will reduce population pressures in Santa Catarina Do Fogo.

SANTA CATARINA DO FOGO RECOMMENDATIONS

3

Health Care Capacity

While Santa Catarina Do Fogo ranks 5th highest in the country in overall Coping Capacity, findings show that the municipality ranks 3rd lowest for Health Care Capacity, with no available hospital services and the lowest number of nurses (1.9) per 10,000 persons relative to other municipalities in the country.

Santa Catarina de Fogo ranks 5th highest in overall Multi-hazard Exposure in Cabo Verde and has the 2nd highest exposure to volcanic hazards. The municipality was affected by the 2014 Pico de Fogo volcanic eruption, which lasted more than 50 days. The lack of skilled care and hospital services represents a limitation in meeting emergent medical needs.

Given Santa Catarina Do Fogo's population pressures, driven primarily by emigration combined with youth bulge, the health sector represents an opportunity for expansion, employment, and economic development in the municipality. Investment in hospital infrastructure and incentives for health sector employment will increase health care capacity while also growing economic opportunities for young people in Santa Catarina Do Fogo. While encouraging long-term expansion of the health care system, support underserved communities by developing a program for visiting medical practitioners to increase access to preventive and acute care in the municipality

4

Communications Capacity

Santa Catarina Do Fogo has the 9th lowest ranking for overall Communications Capacity, driven by the 4th lowest percentage of the population with mobile phones (61%), and fewer than 18% of households with fixed phones. Limited communications capacity exacerbates information access vulnerability and hinders the ability of government agencies to share critical information during disasters.

Boost Communications Capacity and overall resilience through the expansion of infrastructure to ensure coverage, accessibility, and reliability of communications during disasters. Encourage telecommunications infrastructure development at a sustainable pace and implement risk reduction measures in all infrastructure enhancements to protect against hazard impacts. Create communications plans to share critical information with the public during disasters, leveraging multimodal communication strategies (radio, internet, television, fixed- and mobile telephone).

**Better solutions.
Fewer disasters.**

Safer world.

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