



CABO VERDE

SANTA CRUZ

NDPBA MUNICIPAL PROFILE

CABO VERDE SANTA CRUZ



ISLAND: SANTIAGO

Area: 112 km²

The municipality of Santa Cruz is located on the eastern part of Santiago Island and consists of one parish subdivided into three administrative zones: North, Central, and South with a municipal headquarters and a municipal delegation in each, to better serve local communities.

Santa Cruz houses close to 10% of the Santiago Island population with the most populated areas being the City of Pedra Badejo and the localities of Achada Fazenda and Canelo among its many settlements. Santa Cruz has a topography characterized by hills, streams, and caves.

Like most municipalities on the island, the main types of economic activities are agriculture, livestock, and tourism. Santa Cruz has the nation's largest banana plantations; however, drought, limited groundwater, and soil salinization have had shrinking effects on production. Agricultural and livestock products have largely been sold informally, however with the emergence of mini-markets in the municipality competition has allowed for better commercialization. Many coastal communities rely on artisanal fishing for their main economic activity. Due to its landscape and natural habitat Santa Cruz is an attractive spot for tourists.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - High
Score: 0.508 • Rank: 6/22



RESILIENCE (R) - Very Low
Score: 0.385 • Rank: 21/22



MULTI-HAZARD EXPOSURE (MHE) - Low
Score: 0.292 • Rank: 17/22



VULNERABILITY (V) - Very High
Score: 0.573 • Rank: 3/22



COPING CAPACITY (CC) - Very Low
Score: 0.342 • Rank: 21/22



Population (2020 projected)
25,917



Infant mortality rate
(per 1,000 live births)
17.5



Poverty rate
44.6%



Population with access
to improved water
81.8%

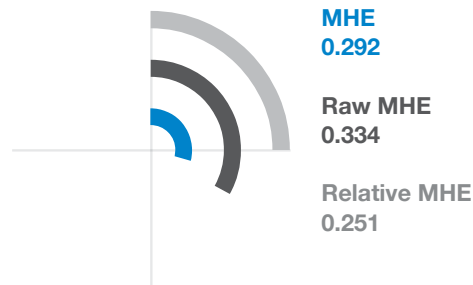


Average years of schooling
7.4



MULTI-HAZARD EXPOSURE (MHE)

RANK: 17 / 22 MUNICIPALITIES
SCORE: 0.292



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Drought

95.0%

23,462

\$166.5 Million

Critical Infrastructure Exposed:
100.0%



Flood

2.2%

552

\$26.3 Million

Critical Infrastructure Exposed:
4.0%



Earthquake Induced Landslide

0.8%

200

-

Critical Infrastructure Exposed:
0.0%



Precipitation Induced Landslide

4.2%

1,040

-

Critical Infrastructure Exposed:
0.0%



Volcano

0.0%

0

-

Critical Infrastructure Exposed:
0.0%



Forest Fire

44.0%

10,862

\$52.7 Million

Critical Infrastructure Exposed:
0.0%




VULNERABILITY (V)

RANK: 3 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.573

Vulnerability in Santa Cruz is primarily driven by Information Access Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Environmental Stress

0  1 **SCORE: 0.564** **RANK: 4/22 MUNICIPALITIES ASSESSED**

1.40 Livestock Density per Hectare	36.6% Households Using Firewood as Cooking Fuel	10.7% Loss in Tree Cover (2001 to 2020)
--	---	---




Vulnerable Health Status

0  1 **SCORE: 0.439** **RANK: 11/22 MUNICIPALITIES ASSESSED**

17.5 Infant Mortality Rate (per 1,000 live births)	9.7% Disabled Population	21.0 TB Prevalence per 100k Persons	23.0 HIV Incidence per 100K Persons
--	---------------------------------------	---	---




Clean Water Vulnerability

0  1 **SCORE: 0.585** **RANK: 7/22 MUNICIPALITIES ASSESSED**

12.3 Average Time to Collect Water for Household Use	62.4% Households with Access to Wastewater Services	81.8% Population with Access to Improved Water
--	--	--




Information Access Vulnerability

0  1 **SCORE: 0.737** **RANK: 2/22 MUNICIPALITIES ASSESSED**

85.6% Adult Literacy Rate	7.4 Average Years of Schooling	69.7% Households with Television	24.2% Households with radio	38.2% Households with Internet access
-------------------------------------	---	---	--	--




Economic Constraints

0  1 **SCORE: 0.711** **RANK: 2/22 MUNICIPALITIES ASSESSED**

0.53 Age dependency ratio	0.36 Gini index	21.6% Unemployment Rate	44.6% Poverty rate	6.6% Households owning a vehicle
---	---------------------------	--------------------------------------	------------------------------	---



Gender Inequality

0  1 **SCORE: 0.448** **RANK: 11/22 MUNICIPALITIES ASSESSED**


47.1%
Female Seats
Municipal City
Council

0.61
Female to male labor
participants

1.13
Parity in Secondary
Education Enrollment



Population Pressures

0  1 **SCORE: 0.524** **RANK: 8/22 MUNICIPALITIES ASSESSED**

-0.26%
Average annual
population
change

-39.3
Net Migration
Rate (per 1,000
persons)

29.25
Youth Bulge



COPING CAPACITY (CC)

RANK: 21 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.342

Santa Cruz exhibits weaker Coping Capacity in the areas of Communications Capacity and Economic Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0 1 **SCORE: 0.115** **RANK: 20/22 MUNICIPALITIES ASSESSED**

49.20% **0** **97,147**
Economic Activity Rate Financial Service Locations per 10k Persons Avg Annual Expenditures per Capita CVE



Governance

0 1 **SCORE: 0.501** **RANK: 18/22 MUNICIPALITIES ASSESSED**

51% **361.32** **70.0%**
Population Properly Disposing Waste Crimes Reported per 10k persons Voter Participation Rate in Local Elections



Environmental Capacity

0 1 **SCORE: 0.562** **RANK: 5/22 MUNICIPALITIES ASSESSED**

5.33%
Protected Area



Infrastructure Capacity

0 1 **SCORE: 0.337** **RANK: 22/22 MUNICIPALITIES ASSESSED**



Health Care Capacity

SCORE: 0.329 **RANK: 17/22 MUNICIPALITIES ASSESSED**

1.90 **5.71** **100.0%** **0**
Physicians per 10k Persons Nurses per 10k Persons Pct Under 1yr Fully Vaccinated Hospitals per 10k persons



Transportation Capacity

SCORE: 0.475 **RANK: 17/22 MUNICIPALITIES ASSESSED**

2.17 **22.18**
Road density (km per sq. km) Average Distance to Port Facility (km)



Communications Capacity

SCORE: 0.051 **RANK: 22/22 MUNICIPALITIES ASSESSED**

5.0% **54.8%**
Households with Fixed Phones Population with Mobile Phone



Energy Capacity

SCORE: 0.232 **RANK: 21/22 MUNICIPALITIES ASSESSED**

79.4% **62.7%**
Households with Access to Electricity Households with Access to Gas



Emergency Services Capacity

SCORE: 0.597 **RANK: 17/22 MUNICIPALITIES ASSESSED**

10.16 **3.63** **7.72**
Average Distance to Hospital (km) Average Distance to Police Station (km) Firefighters per 10,000 Persons



RESILIENCE (R)

RANK: 21 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.385

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

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



Information Access Vulnerability



Economic Constraints



Communications Capacity



Economic Capacity



HAZARD-SPECIFIC RISK (HSR)



Drought



RANK: 3 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.410



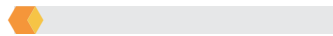
Flood



RANK: 1 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.373



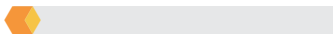
Earthquake Induced Landslide



RANK: 16/22 MUNICIPALITIES ASSESSED
SCORE: 0.056



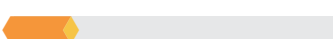
Precipitation Induced Landslide



RANK: 17/22 MUNICIPALITIES ASSESSED
SCORE: 0.059



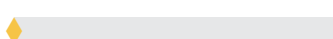
Forest Fire



RANK: 13 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.176



Volcano



RANK: 6/ 22 MUNICIPALITIES ASSESSED
SCORE: 0



MULTI-HAZARD RISK (MHR)

6 / 22

RANK WITHIN MUNICIPALITIES
Score: 0.508



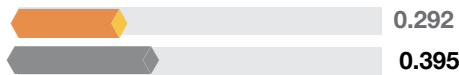
Santa Cruz's score and ranking are due to Low Multi-hazard Exposure combined with Very High Vulnerability and Very Low Coping Capacity scores.

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

SANTA CRUZ SCORE
COUNTRY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



SANTA CRUZ RECOMMENDATIONS

1

Information Access Vulnerability

Santa Cruz has the 2nd highest Information Access Vulnerability ranking in the country, driven by some of the lowest rankings in the country for household access to internet (38%), access to radio (24%), and access to television (70%).

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 promote dissemination of hazard warning information as broadly as possible through multiple communications channels. In partnership with social service agencies, identify and equip vulnerable households with the means to receive hazard alerts and warnings.

2

Economic Constraints

With the 2nd highest ranking for overall Economic Constraints, Santa Cruz has the highest unemployment rate in the country (21.64%), and the 4th highest poverty rate (44.6%). In addition, just 6.6% of households own a vehicle. Families without a vehicle will be challenged to evacuate to safety when disasters strike. Identify vulnerable communities' transportation challenges and include strategies to support evacuation in municipal disaster plans. Assess disaster response and recovery plans to ensure that economically vulnerable populations are identified, as poor populations are often more likely to be severely impacted by disasters and have slower recovery times.

Economic constraints in Santa Cruz are closely linked to Information Access Vulnerability and vice versa. Removing economic barriers to education, and ensuring equitable access to schools, educational resources, and information technology will reduce vulnerability in the municipality.

Develop short- and long-term strategies to address and alleviate poverty. Short-term strategies may include public assistance programs that specifically address unsatisfied basic needs (i.e., food, water, housing, education). Over the long term, support government programs to assist in new business and employment opportunities linked to national and municipal sustainable development goals to diversify livelihoods and promote equitable distribution of property and economic assets in Santa Cruz. Create public policies guaranteeing equal opportunity and fair wages for all. Focusing on sustainable economic opportunities will help to decrease long-term reliance on social assistance.

SANTA CRUZ RECOMMENDATIONS

3

Communications Capacity

Santa Cruz has the lowest overall Communications Capacity ranking in Cabo Verde relative to other municipalities, with the lowest percentage of population with mobile phones (54.8%), and just 5% of households having 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).

4

Economic Capacity

Santa Cruz ranks 3rd lowest for overall Economic Capacity, with the second lowest average annual expenditures (97,147 CVE) per capita and no financial service locations per 10,000 persons. In addition, just 49% of persons aged 15 and over are active in the workforce. Given Santa Cruz's economic constraints, limited economic capacity reduces economic protection and inhibits the municipality's ability to quickly mobilize financial assets during a disaster.

Santa Cruz's economy is driven primarily by agriculture and tourism. Recent investments in agricultural training and modernization, including drip irrigation, hydroponics, and water retention, have helped to address concerns regarding the impact of water scarcity on agricultural production. Continue to support environmental protections and invest in infrastructure enhancements to encourage resilience in agriculture. Expand financial services to increase access to credit for small businesses and foster local economic development.

Continue to support expansion of tourism in the municipality. Cabo Verde's Tourism Board and Santa Cruz City Council have identified a number of potential tourist villages in the municipality to leverage its capabilities. The Coastal Urban Development Plan covers the eastern part of the municipality and is intended to allow for better allocation of land and sustainable development practices. Expanding local economic opportunities will bolster labor participation and employment, supporting increased household incomes.

**Better solutions.
Fewer disasters.**

Safer world.

**1305 N Holopono Street
Suite 2, Kihei, HI 9675 3**

**P: (808) 891-0525
F: (808) 891-0526**



@PDC_Global



/PDCGlobal



www.pdc.prg



ndpba.cpv@pdc.org