



CABO VERDE

SAL

NDPBA MUNICIPAL PROFILE

CABO VERDE SAL



ISLAND: SAL

Area: 220 km²

The island of Sal (salt) with the same name as its only municipality is located in the northeast of the archipelago, with Boa Vista as a neighbor to the south and São Nicolau to the west. It is part of the Barlavento (Windward) Islands group. The municipality has one parish: Nossa Senhora das Dores. Dry and sunny, the island is made up of deserts, dry valleys, and sandy beaches and is mostly flat with the highest elevation being Monte Grande at 403 meters. Because of its topography, Sal is one of the more vulnerable islands to climate change impacts. For many years, as its name implies, Sal was a center for salt mining, with salt extraction as the main driver of the island economy, however with the depletion of salt reserves, the population has turned to other forms of economic activity, especially tourism and related sectors such as construction and airport operations. An international airport helps draw tourists to the island. The island's main city and commercial center, Espargos, attracts visitors with its cafes, restaurants, banks, and retail stores. Other cities like Palmeira and Santa Maria offering diving activities, long sandy beaches, and luxury accommodations. Surfing is also popular, especially in the winter months from November to March.

RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low
Score: 0.322 • Rank: 21/22



RESILIENCE (R) - Very High
Score: 0.640 • Rank: 1/22



MULTI-HAZARD EXPOSURE (MHE) - Very Low
Score: 0.248 • Rank: 18/22



VULNERABILITY (V) - Very Low
Score: 0.328 • Rank: 22/22



COPING CAPACITY (CC) - Very High
Score: 0.609 • Rank: 4/22



Population (2020 projected)
41,121



Infant mortality rate
(per 1,000 live births)
16.6



Poverty rate
10.0%



Population with access
to improved water
97.0%



Average years of schooling
7.7



MULTI-HAZARD EXPOSURE (MHE)

RANK: 18 / 22 MUNICIPALITIES
SCORE: 0.248



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Drought

99.9%

43,059

\$231.9 Million

Critical Infrastructure Exposed:
100.0%



Flood

0.1%

51

-

Critical Infrastructure Exposed:
1.0%



Earthquake Induced Landslide

0.0%

0

-

Critical Infrastructure Exposed:
0.0%



Precipitation Induced Landslide

0.0%

0

-

Critical Infrastructure Exposed:
0.0%



Volcano

0.0%

0

-

Critical Infrastructure Exposed:
0.0%



Forest Fire

0.1%

48

-

Critical Infrastructure Exposed:
0.0%



VULNERABILITY (V)

RANK: 22 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.328

Vulnerability in Sal is primarily driven by Vulnerable Health Status and Population Pressures. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Environmental Stress

0 1 **SCORE: 0.000** **RANK: 22/22 MUNICIPALITIES ASSESSED**

0.13 Livestock Density per Hectare	0.0% Households Using Firewood as Cooking Fuel	0.0% Loss in Tree Cover (2001 to 2020)
--	--	--



Vulnerable Health Status

0 1 **SCORE: 0.546** **RANK: 6/22 MUNICIPALITIES ASSESSED**

16.6 Infant Mortality Rate (per 1,000 live births)	10.4% Disabled Population	24.0 TB Prevalence per 100k Persons	94.1 HIV Incidence per 100K Persons
--	--	---	---



Clean Water Vulnerability

0 1 **SCORE: 0.213** **RANK: 17/22 MUNICIPALITIES ASSESSED**

14.2 Average Time to Collect Water for Household Use	92.8% Households with Access to Wastewater Services	97.0% Population with Access to Improved Water
--	--	--



Information Access Vulnerability

0 1 **SCORE: 0.341** **RANK: 18/22 MUNICIPALITIES ASSESSED**

93.7% Adult Literacy Rate	7.7 Average Years of Schooling	88.9% Households with Television	45.0% Households with radio	53.7% Households with Internet access
-------------------------------------	---	---	--	--




Economic Constraints

0 1 **SCORE: 0.257** **RANK: 22/22 MUNICIPALITIES ASSESSED**

0.45 Age dependency ratio	0.38 Gini index	4.1% Unemployment Rate	10.0% Poverty rate	13.4% Households owning a vehicle
---	---------------------------	-------------------------------------	------------------------------	--



Gender Inequality

0  1 **SCORE: 0.417** **RANK: 12/22 MUNICIPALITIES ASSESSED**


35.3%
Female Seats
Municipal City
Council

0.94
Female to male labor
participants

1.13
Parity in Secondary
Education Enrollment



Population Pressures

0  1 **SCORE: 0.525** **RANK: 7/22 MUNICIPALITIES ASSESSED**

5.95%
Average annual
population
change

44.26
Net Migration
Rate (per 1,000
persons)

19
Youth Bulge



COPING CAPACITY (CC)

RANK: 4 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.609

Sal exhibits weaker Coping Capacity in the areas of Health Care Capacity and Emergency Service Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0 1 **SCORE: 0.721** **RANK: 2/22 MUNICIPALITIES ASSESSED**

65.27% **5.11** **216,853**
Economic Activity Rate Financial Service Locations per 10k Persons Avg Annual Expenditures per Capita CVE



Governance

0 1 **SCORE: 0.656** **RANK: 8/22 MUNICIPALITIES ASSESSED**

97% **262.01** **56.0%**
Population Properly Disposing Waste Crimes Reported per 10k persons Voter Participation Rate in Local Elections



Environmental Capacity

0 1 **SCORE: 0** **RANK: 13/22 MUNICIPALITIES ASSESSED**

0.00%
Protected Area



Infrastructure Capacity

0 1 **SCORE: 0.653** **RANK: 6/22 MUNICIPALITIES ASSESSED**



Health Care Capacity

SCORE: 0.397 **RANK: 13/22 MUNICIPALITIES ASSESSED**

4.24 **6.52** **88.7%** **0.24**
Physicians per 10k Persons Nurses per 10k Persons Pct Under 1yr Fully Vaccinated Hospitals per 10k persons



Transportation Capacity

SCORE: 0.683 **RANK: 3/22 MUNICIPALITIES ASSESSED**

2.61 **8.12**
Road density (km per sq. km) Average Distance to Port Facility (km)



Communications Capacity

SCORE: 0.695 **RANK: 3/22 MUNICIPALITIES ASSESSED**

15.3% **86.7%**
Households with Fixed Phones Population with Mobile Phone



Energy Capacity

SCORE: 0.869 **RANK: 4/22 MUNICIPALITIES ASSESSED**

93.8% **98.7%**
Households with Access to Electricity Households with Access to Gas



Emergency Services Capacity

SCORE: 0.621 **RANK: 14/22 MUNICIPALITIES ASSESSED**

8.31 **1.87** **5.84**
Average Distance to Hospital (km) Average Distance to Police Station (km) Firefighters per 10,000 Persons



RESILIENCE (R)

RANK: 1 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.640

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

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



Vulnerable Health Status



Population Pressures



Health Care Capacity



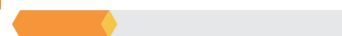
Emergency Service Capacity



HAZARD-SPECIFIC RISK (HSR)



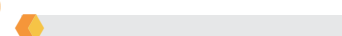
Drought



RANK: 17 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.259



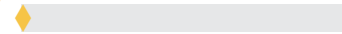
Flood



RANK: 20 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.038



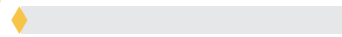
Earthquake Induced Landslide



RANK: 21/22 MUNICIPALITIES ASSESSED
SCORE: 0.000



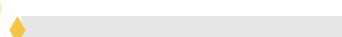
Precipitation Induced Landslide



RANK: 21/22 MUNICIPALITIES ASSESSED
SCORE: 0.000



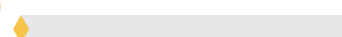
Forest Fire



RANK: 22 / 22 MUNICIPALITIES ASSESSED
SCORE: 0.000



Volcano



RANK: 6/ 22 MUNICIPALITIES ASSESSED
SCORE: 0



MULTI-HAZARD RISK (MHR)

21 / 22

RANK WITHIN MUNICIPALITIES

Score: 0.322

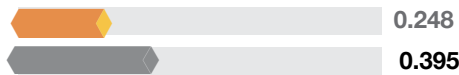


Sal's score and ranking are due to Very Low Multi-hazard Exposure combined with Very Low Vulnerability and Very High Coping Capacity scores.

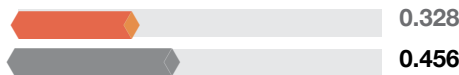
Multi-hazard risk component scores compared to overall average country scores:



Multi-Hazard Exposure



Vulnerability



Coping Capacity



SAL RECOMMENDATIONS

1

Vulnerable Health Status

While Sal ranks lowest in the country in overall Vulnerability, findings show that the municipality ranks 6th highest for overall Vulnerable Health Status.

Vulnerable Health Status is driven by the 4th highest incidence of HIV (94.1 per 100,000 persons) and the 7th highest infant mortality rate (17 deaths per 1,000 live births) among municipalities in Cabo Verde.

Increase investments in community health education and outreach, including best practices for reducing communicable disease transmission, promoting reproductive health, and expanding education and delivery of pre- and ante-natal care for pregnant women. Additionally, ensure that WASH infrastructure meets the needs of the expanding population to help mitigate the impact of communicable diseases.

Ensure that disaster management, evacuation, and shelter plans include special considerations for people with chronic conditions and pre-existing health needs. Communities with vulnerable health status are more susceptible to the negative health impacts of disasters. Consider additional precautions needed to prevent transmission of COVID-19 among vulnerable populations in shelters.

2

Population Pressures

Ranking 7th highest for overall Population Pressures, Sal has seen an average annual population growth of nearly 6% between 2010 and 2020, the 2nd highest in the country, along with a 44.26 per 1,000 persons net migration rate.

Actively monitor population growth and strengthen short- and long-term development planning through multi-stakeholder engagement. Increase oversight in planning processes to anticipate the needs of the growing population and encourage equitable distribution of services and infrastructure – including housing, transportation, health care, water, and energy. Sustainable development practices will help to address underlying vulnerabilities (i.e., Vulnerable Health Status) and reduce the potential for resource conflicts.

Sal is susceptible to multiple hazards, including drought, forest fires, and floods. Enforce building codes and environmental protections to ensure sustainable development. Conduct hazard exposure assessments to mitigate potential adverse impacts on the population, economy, and environment.

SAL RECOMMENDATIONS

3

Health Care Capacity

While Sal ranks highest in the country in overall Resilience, findings show that the municipality ranks 10th lowest in Health Care Capacity, driven by the limited number of nurses (6.52) per 10,000 persons, and the 7th lowest vaccination rate (88.7% of children under one year) in the country.

Sal's population is growing, and so will the need to expand health care capacity in the municipality. Partner with private hospitals and NGOs to increase the number of medical staff available in the case of an emergency. Ensure that access to care is equitable and continues to expand to keep up with the demands of the growing population, while also reducing existing vulnerable health status.

Low vaccination coverage demonstrates the potential for disease outbreaks and the need to increase utilization of medical services in the municipality. Support vaccination campaigns, particularly in vulnerable and remote communities where health care access is limited. Ensure that travel distances to health services are equitable for vulnerable communities

4

Emergency Service Capacity

Sal has the 9th lowest Emergency Services Capacity ranking in the country constrained by the number of firefighters per 10,000 persons (just under 6), and an average distance to a hospital of more than 8 kilometers from the nearest populated area.

The combination of population pressures and vulnerable health status in Sal necessitates expansion of emergency service capacities in the municipality to meet the needs of a growing population. Work to increase training and employment opportunities in health care and fire services in the municipality. Simultaneously, engage community training programs to develop strong community emergency response teams (CERTs) to increase emergency service capacity. Engage with international donors to procure firefighting equipment and ensure that firefighters are thoroughly trained in its function and use.

Ensure that training and exercises are regularly conducted in Sal to assess preparedness for prevalent hazards likely to affect the municipality. Include all municipal stakeholders (police, fire services, regional disaster management, health sector, and community members) in the process, and use lessons learned to inform disaster planning.

**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