



TRINIDAD AND TOBAGO

SAN FERNANDO

NDPBA MUNICIPALITIES PROFILE

TRINIDAD AND TOBAGO

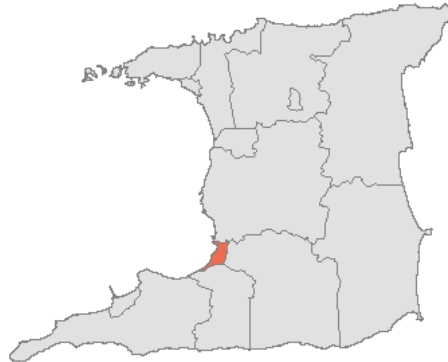
SAN FERNANDO



CAPITAL: SAN FERNANDO

Area: 19 km²

The City of San Fernando in western Trinidad is the among the smallest and is the fifth least populous municipality in the country. San Fernando is bordered by the municipalities of Couva-Tabaquite-Talparo to the north and east, Princes Town to the east, Penal-Debe to the south, and the Gulf of Paria to the west. Geographic features include hilly to flat terrain, with streams, rivers and wetlands. Land use is predominantly residential, with some commercial, industrial and recreational designations. Primary economic drivers are retail and distribution.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low
Score: 0.394 • Rank: 14/15



RESILIENCE (R) - High
Score: 0.544 • Rank: 6/15



MULTI-HAZARD EXPOSURE (MHE) - Very Low
Score: 0.271 • Rank: 13/15



VULNERABILITY (V) - Low
Score: 0.400 • Rank: 10/15



COPING CAPACITY (CC) - Moderate
Score: 0.487 • Rank: 8/15



Population (2011 Census)
48,838



Population in Poverty
11.2%



Population with less than a secondary education
19.8%



Access to improved water
99.3% households



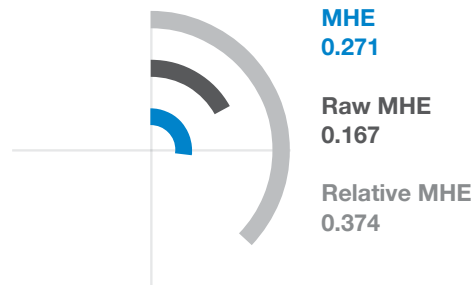
Infant mortality rate (per 1,000 live births)
54

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 13 / 15 MUNICIPALITIES
SCORE: 0.271



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

100.0%
 49,297
 \$2.5 Billion



Flood

95.0%
 46,848
 \$2.4 Billion



Landslide

5.0%
 2,470
 \$190 Million



Coastal Flood

11.1%
 5,456
 \$86.2 Million



Tropical Cyclone Winds

100.0%
 49,297
 \$2.5 Billion



Wildfire

25.9%
 12,756
 \$442.2 Million



VULNERABILITY (V)

RANK: 10 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.400

Vulnerability in San Fernando is primarily driven by Gender Inequality and Population Pressures. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



Environmental Stress

0 1 **SCORE: 0.286** **RANK: 13/15 MUNICIPALITIES ASSESSED**

0.1% Households affected by deforestation	18% Households affected by drainage issues	9.5% Households affected by flooding	1.91% Households affected by sewage issues	2.2% Households affected by soil erosion	2.1% Households affected by solid waste issues	1.6% Households affected by wastewater issues	1.3% Households affected by water contamination
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Vulnerable Health Status

0 1 **SCORE: 0.373** **RANK: 12/15 MUNICIPALITIES ASSESSED**

17.7% Persons with chronic illness	53.8 Infant mortality rate (per 1k live births)	3.9% Persons with long-standing disability	0.3% Population in collective living quarters	2.25 Chikungunya cases per 10k	1.02 Dengue cases per 10k	5.32 Zika cases per 10k	0.82 Leptospirosis cases per 10k
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Clean Water Vulnerability

0 1 **SCORE: 0.025** **RANK: 14/15 MUNICIPALITIES ASSESSED**

99.3% Households with access to improved water	3.7% Households with inadequate toilet facilities
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Information Access Vulnerability

0 1 **SCORE: 0.070** **RANK: 15/15 MUNICIPALITIES ASSESSED**

19.8% Population with less than secondary education	49.7% Households with no Internet	7.6% Households with no TV	16.0% Households with radio
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Economic Constraints

0 1 **SCORE: 0.362** **RANK: 10/15 MUNICIPALITIES ASSESSED**

45.1 Age dependency ratio	46.1% Households with no vehicle	10.1% Population with unmet housing need	11.2% Poverty rate
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Gender Inequality

0  1 **SCORE: 0.874** **RANK: 1/15 MUNICIPALITIES ASSESSED**

0.57


Female to male labor participants

0.92

Female to male secondary education attainment



Population Pressures

0  1 **SCORE: 0.808** **RANK: 3/15 MUNICIPALITIES ASSESSED**

-1.2%

Average annual population change

-58.7

Net migration rate




COPING CAPACITY (CC)

RANK: 8 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.487

San Fernando exhibits weaker Coping Capacity in the areas of Governance and Economic Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.



Economic Capacity

0  1 **SCORE: 0.638** **RANK: 2/15 MUNICIPALITIES ASSESSED**

43.2% Labor force participation rate
\$7,477 Annual household income per capita (USD)
2.8 Financial institutions per 10k persons



Governance

0  1 **SCORE: 0.267** **RANK: 15/15 MUNICIPALITIES ASSESSED**

188.0 Serious crimes reported per 10k persons
42.8% Voter participation
7.5% Households with unmet need for refuse collection




Environmental Capacity

0  1 **SCORE: 0.000** **RANK: 13/15 MUNICIPALITIES ASSESSED**

0.0% Protected areas (sq km)



Infrastructure Capacity

0  1 **SCORE: 0.719** **RANK: 2/15 MUNICIPALITIES ASSESSED**



Health Care Capacity

SCORE: 0.555 **RANK: 5/15 MUNICIPALITIES ASSESSED**

0.6 Health care facilities (per 10k persons)
2.5 Average distance to hospital (km)
17.0% Population with private health insurance



Transportation Capacity

SCORE: 0.810 **RANK: 3/15 MUNICIPALITIES ASSESSED**

15.7 Road density (km per sq. km)
4.6 Average distance to nearest port (km)



Communications Capacity

SCORE: 0.682 **RANK: 2/15 MUNICIPALITIES ASSESSED**

88.3% Population using mobile phones
11.8 Mobile and wireless infrastructure (per 10k persons)



Emergency Services Capacity

SCORE: 0.829 **RANK: 2/15 MUNICIPALITIES ASSESSED**

1.9 Average distance to fire station (km)
1.2 Average distance to police station (km)
7.7 Emergency shelters (per 10k persons)



RESILIENCE (R)

RANK: 6 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.544

San Fernando'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:



Gender Inequality



Population Pressures



Governance



Economic Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 12 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.26



Coastal Flood

RANK: 12 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.085



Flood

RANK: 8 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.246



Landslide

RANK: 15 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.001



Wildfire

RANK: 8 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.136



Tropical Cyclone Winds

RANK: 12 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.260



MULTI-HAZARD RISK (MHR)

14 / 15

RANK WITHIN MUNICIPALITIES
Score: 0.394



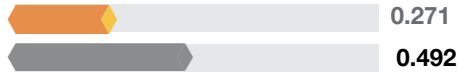
San Fernando's score and ranking are due to Very Low Multi-hazard Exposure combined with Low Vulnerability and Moderate Coping Capacity scores.



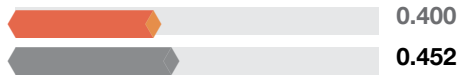
Multi-hazard risk component scores compared to overall average country scores:



Multi-Hazard Exposure



Vulnerability



Coping Capacity



SAN FERNANDO RECOMMENDATIONS

1

Gender Inequality

San Fernando has the highest Gender Inequality ranking in the country, with the second highest score related to disparities in Secondary Enrollment and the 3rd highest in relation to Female to Male Labor Ratio. Design and implement intervention strategies to promote and sustain engagement of both male and female students in secondary-level education and reduce dropout rates.

Increase availability of school-to-work programs through collaborative partnerships between educational institutions and local businesses.

Promote workforce opportunities for women that include quality, affordable childcare to increase participation in the workforce and reduce economic dependency.

2

Population Pressures

San Fernando ranks 3rd overall for Population Pressures, with the 2nd highest Net Migration Rate in the country (-59 per 1,000 persons) and the 4th most significant Average Annual Change in Population (-1.2%).

A declining population 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.

Strengthen planning efforts to identify vulnerabilities related to the changing population and implement programs and support systems to address them, which may include vocational, technical or entrepreneurial training programs, services to alleviate poverty, or enhanced policing in areas susceptible to criminal activity.

SAN FERNANDO RECOMMENDATIONS

3

Governance

San Fernando has the lowest overall Governance ranking in the country, driven by the highest percentage of households with an unmet need for Refuse Collection, and the 3rd highest number of Serious Crimes Reported (188 per 10,000 persons).

Continue to implement the Ministry of National Security's (MNS) Citizen Security Programme (CSP) in high needs communities to strengthen institutional capacities of the MNS and local police, build public confidence and citizen support of measures to improve safety and security, and coordinate implementation of community-based crime prevention strategies. Foster citizen support for increases in security personnel and surveillance in public places.

Improve the levels of municipal service that collect and responsibly dispose of solid waste. Expand and communicate options for disposal and/or recycling of old vehicles, non-working appliances and hazardous materials to minimize impacts on the environment and reduce indiscriminate dumping.

4

Economic Capacity

Despite having the highest Household Income per Capita (\$7,477) and the 2nd highest Economic Capacity ranking in the country, San Fernando has the 6th lowest Labor Force Participation rate (43%). In a 2015 municipal survey of micro-, small-, and medium-sized business enterprises summarized in the City of San Fernando Local Area Economic Profile, respondents cited crime as one of the hindrances to economic advancement. Traffic congestion and a shortage of parking were others. The same sentiments were frequently echoed by other municipalities.

Increase availability of financial assistance and social services to poor and marginalized populations to reduce dependence upon informal social control mechanisms offered by criminal groups.

Strengthen workforce development opportunities that provide skills and training geared toward meeting the needs of employers and improving economic conditions.

**Better solutions.
Fewer disasters.**

Safer world.

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