



TRINIDAD AND TOBAGO

COUVA-TABAQUITE-TALPARO

NDPBA MUNICIPALITIES PROFILE

TRINIDAD AND TOBAGO

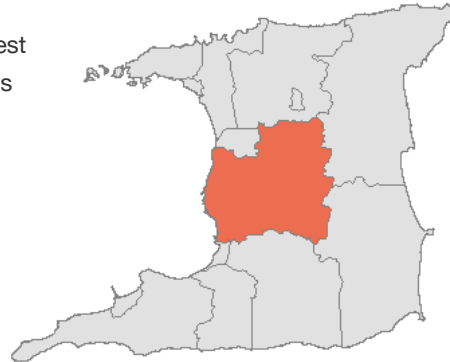
COUVA-TABAQUITE-TALPARO



CAPITAL: COUVA

Area: 723 km²

The Municipality of Couva-Tabaquite-Talparo is the third largest and second most populous municipality/regional corporations in the country. Couva-Tabaquite-Talparo is bordered by the Chaguanas Borough and the Tunapuna/Piarco Regional Corporation in the north, the Sangre Grande and Mayaro/Rio Claro Regional Corporations in the east, the San Fernando and Princes Town Regional Corporations in the south, and the Gulf of Paria in the west. Geographic features include river systems originating from the Central Range, forest reserves, mangrove swamps, and reservoirs. Land use is mixed, with tree crop and agricultural areas, old sugarcane lands, large sporting facilities, light and heavy industrial parks, and rural and urban settlements. Primary economic drivers are retail and distribution, personal services, and construction.



RISK AND VULNERABILITY COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very High
Score: 0.561 • Rank: 3/15



RESILIENCE (R) - Moderate
Score: 0.509 • Rank: 9/15



MULTI-HAZARD EXPOSURE (MHE) - Very High
Score: 0.702 • Rank: 3/15



VULNERABILITY (V) - Moderate
Score: 0.426 • Rank: 8/15



COPING CAPACITY (CC) - Very Low
Score: 0.444 • Rank: 13/15



Population (2011 Census)
178,410



Population in Poverty
10.5%



Population with less than a secondary education
30.6%



Access to improved water
95.4% households



Infant mortality rate (per 1,000 live births)
58

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



MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 15 MUNICIPALITIES
SCORE: 0.702



MHE
0.702

Raw MHE
0.759

Relative MHE
0.645

ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

100.0%

182,698

\$8.7 Billion



Flood

93.2%

170,353

\$8.2 Billion



Landslide

20.9%

38,215

\$2.4 Billion



Coastal Flood

8.3%

15,066

\$688.6 Million



Tropical Cyclone Winds

100.0%

182,698

\$8.7 Billion



Wildfire

47.3%

86,316

\$5.4 Billion




VULNERABILITY (V)

RANK: 8 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.426

Vulnerability in Couva-Tabaquite-Talparo is primarily driven by Environmental Stress and Gender Inequality. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



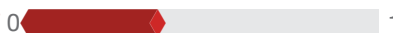
Environmental Stress

0  1 **SCORE: 0.667** **RANK: 1/15 MUNICIPALITIES ASSESSED**

0.6% Households affected by deforestation	34% Households affected by drainage issues	23.4% Households affected by flooding	2.10% Households affected by sewage issues	4.9% Households affected by soil erosion	3.2% Households affected by solid waste issues	2.3% Households affected by wastewater issues	3.6% Households affected by water contamination
---	--	---	--	--	--	---	---




Vulnerable Health Status

0  1 **SCORE: 0.375** **RANK: 11/15 MUNICIPALITIES ASSESSED**

20.5% Persons with chronic illness	57.9 Infant mortality rate (per 1k live births)	3.7% Persons with long-standing disability	0.1% Population in collective living quarters	0.73 Chikungunya cases per 10k	0.39 Dengue cases per 10k	3.36 Zika cases per 10k	1.18 Leptospirosis cases per 10k
--	---	--	---	--	-------------------------------------	-----------------------------------	--



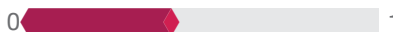
Clean Water Vulnerability

0  1 **SCORE: 0.450** **RANK: 8/15 MUNICIPALITIES ASSESSED**

95.4% Households with access to improved water	11.0% Households with inadequate toilet facilities
--	--



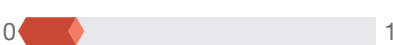
Information Access Vulnerability

0  1 **SCORE: 0.415** **RANK: 9/15 MUNICIPALITIES ASSESSED**

30.6% Population with less than secondary education	68.1% Households with no Internet	8.4% Households with no TV	17.9% Households with radio
---	---	--------------------------------------	---------------------------------------




Economic Constraints

0  1 **SCORE: 0.146** **RANK: 13/15 MUNICIPALITIES ASSESSED**

38.4 Age dependency ratio	41.2% Households with no vehicle	9.3% Population with unmet housing need	10.5% Poverty rate
-------------------------------------	--	---	------------------------------



Gender Inequality

0  1 **SCORE: 0.487** **RANK: 8/15 MUNICIPALITIES ASSESSED**

0.70


Female to male labor participants

0.95

Female to male secondary education attainment



Population Pressures

0  1 **SCORE: 0.442** **RANK: 8/15 MUNICIPALITIES ASSESSED**

0.9%

Average annual population change

22.8

Net migration rate



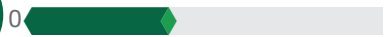
COPING CAPACITY (CC)

RANK: 13 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.444

Couva-Tabaquite-Talparo exhibits weaker Coping Capacity in the areas of Economic Capacity and Communications Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.




Economic Capacity

0  1 **SCORE: 0.398** **RANK: 10/15 MUNICIPALITIES ASSESSED**

44.1% Labor force participation rate
\$6,716 Annual household income per capita (USD)
0.6 Financial institutions per 10k persons




Governance

0  1 **SCORE: 0.540** **RANK: 11/15 MUNICIPALITIES ASSESSED**

64.5 Serious crimes reported per 10k persons
41.1% Voter participation
6.0% Households with unmet need for refuse collection



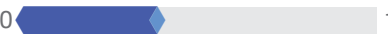
Environmental Capacity

0  1 **SCORE: 0.465** **RANK: 5/15 MUNICIPALITIES ASSESSED**

22.5% Protected areas (sq km)



Infrastructure Capacity

0  1 **SCORE: 0.389** **RANK: 10/15 MUNICIPALITIES ASSESSED**



Health Care Capacity

SCORE: 0.167 **RANK: 13/15 MUNICIPALITIES ASSESSED**

0.7 Health care facilities (per 10k persons)
15.4 Average distance to hospital (km)
12.8% Population with private health insurance



Transportation Capacity

SCORE: 0.528 **RANK: 7/15 MUNICIPALITIES ASSESSED**

3.3 Road density (km per sq. km)
6.3 Average distance to nearest port (km)



Communications Capacity

SCORE: 0.425 **RANK: 12/15 MUNICIPALITIES ASSESSED**

87.1% Population using mobile phones
7.8 Mobile and wireless infrastructure (per 10k persons)



Emergency Services Capacity

SCORE: 0.436 **RANK: 10/15 MUNICIPALITIES ASSESSED**

6.4 Average distance to fire station (km)
3.0 Average distance to police station (km)
3.5 Emergency shelters (per 10k persons)



RESILIENCE (R)

RANK: 9 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.509

Couva-Tabaquite-Talparo's score and ranking are due to Moderate Vulnerability combined with Very Low Coping Capacity scores.

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



Environmental Stress



Gender Inequality



Economic Capacity



Communications Capacity



HAZARD-SPECIFIC RISK (HSR)



Earthquake

RANK: 1 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.436



Coastal Flood

RANK: 9 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.210



Flood

RANK: 2 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.365



Landslide

RANK: 10 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.145



Wildfire

RANK: 2 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.398



Tropical Cyclone Winds

RANK: 1 / 15 MUNICIPALITIES ASSESSED
SCORE: 0.436



MULTI-HAZARD RISK (MHR)

3 / 15

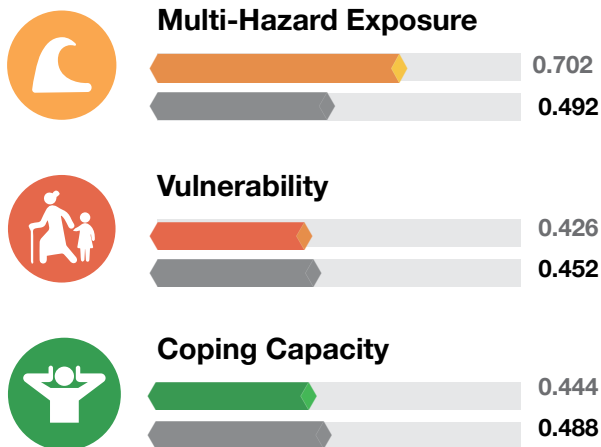
RANK WITHIN MUNICIPALITIES
Score: 0.561



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

COUVA-TABAQUITE-TALPARO SCORE
COUNTRY SCORE

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



COUVA-TABAQUITE-TALPARO RECOMMENDATIONS

1

Environmental Stress

Couva-Tabaquite-Talparo has the highest Environmental Stress of all municipalities in Trinidad and Tobago. Top issues affecting households include Flooding (23% of households) and Drainage (34% of households). Other significant environmental issues reported were Water Contamination, Solid Waste, Sewerage, and Deforestation. Findings also show that Couva-Tabaquite-Talparo has some of the highest exposure to multiple hazards, including flood, earthquake, wildfire and tropical cyclone winds. These hazards can exacerbate existing environmental issues.

Implement and/or strengthen community-based programs focused on enhancing hazard awareness and preparedness among local residents. Provide incentives to homeowners and businesses to invest in hazard mitigation activities to reduce hazard impacts.

Reduce environmental impacts related to waste disposal and drainage issues through improved planning, management and maintenance, especially in areas with frequent hazard impacts. Promote and organize community workdays to engage residents in activities that beautify and protect their neighborhoods, such as cleaning up rubbish, clearing drains and culverts, planting trees, dune restoration, etc.

2

Gender Inequality

Couva-Tabaquite-Talparo ranks 8th for overall Gender Inequality, driven primarily by a disparity in Secondary School Enrollment. Just 42% of women of working-age participate in the labor force as opposed to 69% of working-age men.

Design and implement education intervention strategies to promote and sustain engagement of both male and female students in secondary-level education to reduce dropout rates.

Promote involvement of women in the labor force by offering quality, affordable childcare to boost economic participation and reduce economic dependency.

COUVA-TABAQUITE-TALPARO

RECOMMENDATIONS

3

Economic Capacity

Couva-Tabaquite-Talparo has the 6th lowest overall Economic Capacity score and the 4th lowest number of Financial Institutions per 10,000 people. Once driven largely by sugar cane production, the regional corporation's economy is now a composite of energy, industry, construction, agricultural and commercial activities.

Increase access to financing and support structures (e.g. microfinance services and loans) for farmers, small business owners and medium-scale enterprises to expand production and marketability of produce, goods and services.

Continue efforts to provide access to vocational, technical and entrepreneurial training programs geared toward labor market needs to increase economic opportunities and household incomes.

4

Communications Capacity

Couva-Tabaquite-Talparo has the 4th lowest Communications Capacity in the country. In industrial, commercial and urban areas access to Information and Communications Technology (ICT) is reported to be of high quality, however there are some remote and rural locations in Couva-Tabaquite-Talparo that lack reliable service.

Improve access and reliability of ICT services to populations in remote areas. These services will provide alternative means by which residents can receive hazard alerts and warning messages and communicate during emergencies. Improved communications capacity will also help support business operations in rural areas.

**Better solutions.
Fewer disasters.**

Safer world.

**1305 N Holocono Street
Suite 2, Kihei, HI 96753**

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



@PDC_Global



/PDCGlobal



www.pdc.prg



ndpba@pdc.org