



**TRINIDAD AND TOBAGO**

# **DIEGO MARTIN**

**NDPBA MUNICIPALITIES PROFILE**

# TRINIDAD AND TOBAGO

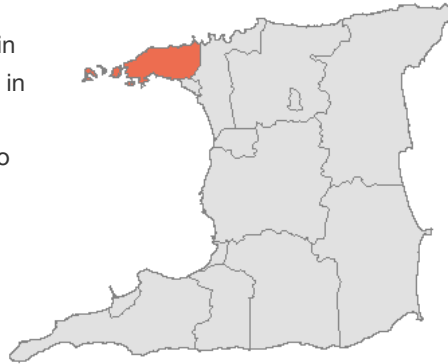
## DIEGO MARTIN



### CAPITAL: DIEGO MARTIN

Area: 126 km<sup>2</sup>

Situated in northeast Trinidad, the Municipality of Diego Martin is the fourth most populous municipality/regional corporation in the country. Diego Martin is bordered by San Juan-Laventille to the east, Port of Spain to the southeast, the Gulf of Paria to the south, and the Caribbean Sea to the north. Geographic features include the Northern Range with mostly forested hillsides and valleys, rivers and watersheds, and extensive shoreline with the Gulf of Paria to the south and Caribbean Sea to the north. Land use is predominantly agricultural and commercial with some industry. Primary economic drivers are retail and distribution, finance, insurance, real estate and business services, and transportation, communication and storage.



## RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - High**  
Score: 0.506 • Rank: 6/15



**RESILIENCE (R) - Very High**  
Score: 0.580 • Rank: 4/15



**MULTI-HAZARD EXPOSURE (MHE) - High**  
Score: 0.679 • Rank: 4/15



**VULNERABILITY (V) - Very Low**  
Score: 0.373 • Rank: 13/15



**COPING CAPACITY (CC) - High**  
Score: 0.534 • Rank: 4/15



Population (2011 Census)  
**102,957**



Population in Poverty  
**14.9%**



Population with less than a secondary education  
**19.5%**



Access to improved water  
**91.7% households**



Infant mortality rate (per 1,000 live births)  
**42**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 15 MUNICIPALITIES  
SCORE: 0.679



MHE  
0.679

Raw MHE  
0.596

Relative MHE  
0.761

### ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

**100.0%**  
104,844  
\$7.5 Billion



Flood

**79.6%**  
83,438  
\$6.2 Billion



Landslide

**65.1%**  
68,285  
\$5.8 Billion



Coastal Flood

**10.4%**  
10,891  
\$975.6 Million



Tropical Cyclone Winds

**100.0%**  
104,844  
\$7.5 Billion



Wildfire

**37.4%**  
39,252  
\$2.7 Billion




## VULNERABILITY (V)

**RANK: 13 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.373**

Vulnerability in Diego Martin is primarily driven by Clean Water Access Vulnerability and Environmental Stress. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



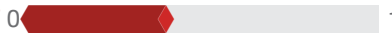
### Environmental Stress

0  1 **SCORE: 0.557** **RANK: 4/15 MUNICIPALITIES ASSESSED**

<b>1.1%</b> Households affected by deforestation	<b>17%</b> Households affected by drainage issues	<b>10.9%</b> Households affected by flooding	<b>1.46%</b> Households affected by sewage issues	<b>7.8%</b> Households affected by soil erosion	<b>4.0%</b> Households affected by solid waste issues	<b>1.9%</b> Households affected by wastewater issues	<b>2.2%</b> Households affected by water contamination
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### Vulnerable Health Status

0  1 **SCORE: 0.399** **RANK: 10/15 MUNICIPALITIES ASSESSED**

<b>19.7%</b> Persons with chronic illness	<b>42.2</b> Infant mortality rate (per 1k live births)	<b>3.5%</b> Persons with long-standing disability	<b>0.6%</b> Population in collective living quarters	<b>5.05</b> Chikungunya cases per 10k	<b>0.58</b> Dengue cases per 10k	<b>11.56</b> Zika cases per 10k	<b>0.29</b> Leptospirosis cases per 10k
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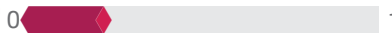
### Clean Water Vulnerability

0  1 **SCORE: 0.655** **RANK: 5/15 MUNICIPALITIES ASSESSED**

<b>91.7%</b> Households with access to improved water	<b>9.4%</b> Households with inadequate toilet facilities
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### Information Access Vulnerability

0  1 **SCORE: 0.218** **RANK: 13/15 MUNICIPALITIES ASSESSED**

<b>19.5%</b> Population with less than secondary education	<b>46.0%</b> Households with no Internet	<b>11.1%</b> Households with no TV	<b>17.4%</b> Households with radio
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### Economic Constraints

0  1 **SCORE: 0.506** **RANK: 8/15 MUNICIPALITIES ASSESSED**

<b>47.6</b> Age dependency ratio	<b>45.6%</b> Households with no vehicle	<b>12.1%</b> Population with unmet housing need	<b>14.9%</b> Poverty rate
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### Gender Inequality

0  1 **SCORE: 0.177** **RANK: 14/15 MUNICIPALITIES ASSESSED**

**0.81**

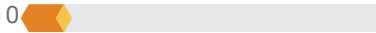
Female to male labor participants

**0.97**

Female to male secondary education attainment



### Population Pressures

0  1 **SCORE: 0.102** **RANK: 15/15 MUNICIPALITIES ASSESSED**

**-0.3%**

Average annual population change

**0.5**

Net migration rate




# COPING CAPACITY (CC)

**RANK: 4 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.534**

Diego Martin exhibits weaker Coping Capacity in the areas of Governance and Emergency Service Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Coping Capacity score.




## Economic Capacity

0  1 **SCORE: 0.604** **RANK: 3/15 MUNICIPALITIES ASSESSED**

**47.2%** Labor force participation rate  
**\$7,176** Annual household income per capita (USD)  
**1.1** Financial institutions per 10k persons



## Governance

0  1 **SCORE: 0.573** **RANK: 9/15 MUNICIPALITIES ASSESSED**

**74.1** Serious crimes reported per 10k persons  
**24.6%** Voter participation  
**1.6%** 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: 0.604** **RANK: 6/15 MUNICIPALITIES ASSESSED**



## Health Care Capacity

**SCORE: 0.584** **RANK: 4/15 MUNICIPALITIES ASSESSED**

**0.4** Health care facilities (per 10k persons)  
**6.7** Average distance to hospital (km)  
**25.7%** Population with private health insurance



## Transportation Capacity

**SCORE: 0.617** **RANK: 6/15 MUNICIPALITIES ASSESSED**

**4.8** Road density (km per sq. km)  
**4.5** Average distance to nearest port (km)



## Communications Capacity

**SCORE: 0.628** **RANK: 5/15 MUNICIPALITIES ASSESSED**

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



## Emergency Services Capacity

**SCORE: 0.588** **RANK: 7/15 MUNICIPALITIES ASSESSED**

**3.1** Average distance to fire station (km)  
**1.5** Average distance to police station (km)  
**2.1** Emergency shelters (per 10k persons)



## RESILIENCE (R)

**RANK: 4 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.580**

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

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



**Clean Water  
Access  
Vulnerability**



**Environmental  
Stress**



**Governance**



**Emergency Service  
Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 9 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.319**



**Coastal Flood**

**RANK: 7 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.221**



**Flood**

**RANK: 13 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.130**



**Landslide**

**RANK: 6 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.281**



**Wildfire**

**RANK: 6 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.233**



**Tropical Cyclone Winds**

**RANK: 9 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.319**



## MULTI-HAZARD RISK (MHR)

6 / 15

RANK WITHIN MUNICIPALITIES  
Score: 0.506



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



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



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity





## DIEGO MARTIN RECOMMENDATIONS

# 1

### Clean Water Access Vulnerability

Diego Martin has the 5th highest Clean Water Access Vulnerability ranking in the country due to nearly 9% of households lacking access to an Improved Water Source.

Invest in clean water infrastructure enhancements, implementing risk reduction initiatives to protect infrastructure and water resources from hazard impacts.

# 2

### Environmental Stress

Diego Martin ranks 4th for overall Environmental Stress. Top environmental issues reported by households in the municipality include Deforestation, Soil Erosion, and Solid Waste. Additionally, more than 17% of households are affected by Drainage issues, and 11% are affected by Flooding. In addition, the municipality has some of the highest exposure to several hazards, including earthquake, landslide, and tropical cyclone winds. These hazards can exacerbate existing environmental issues and damage infrastructure.

Implement and/or strengthen community-based programs focused on enhancing hazard awareness and preparedness among local residents, such as the Storm Water Management Education Programme.

Provide incentives to homeowners and businesses to invest in hazard mitigation activities to reduce hazard impacts.

## DIEGO MARTIN RECOMMENDATIONS

# 3

### Governance

Diego Martin's Governance ranking is driven by the lowest Voter Participation Rate in the country. Fewer than 25% of eligible voters cast a vote in the most recent local government election.

Enhance opportunities for community involvement in local government by creating forums to voice public opinion on pending legislation and issues affecting the municipality.

Garner public support for local government through increased transparency and reporting on issues of regional importance.

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# 4

### Emergency Service Capacity

Diego Martin's Emergency Service Capacity could be strengthened by increasing the number of available emergency shelters. The municipality has just two Emergency Shelters per 10,000 persons. Expand sheltering capacity through the designation of existing structures or investments in new shelters. Given Diego Martin's exposure to tropical cyclone winds, ensure that new shelters or existing structures are built to withstand hazard impacts.

Update existing disaster management plans to include expanded sheltering capacity and ensure that adequate resources and equipment are available to support mass care of affected populations during a disaster.

Include special considerations in disaster management and sheltering plans for those with chronic health conditions, mobility challenges or other disabilities. These individuals will require extra precautions to protect against transmission of COVID-19 during sheltering.

**Better solutions.  
Fewer disasters.**

# Safer world.

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

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



**@PDC\_Global**



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**www.pdc.prg**



**ndpba@pdc.org**