



**TRINIDAD AND TOBAGO**

# **ARIMA**

**NDPBA MUNICIPALITIES PROFILE**

# TRINIDAD AND TOBAGO

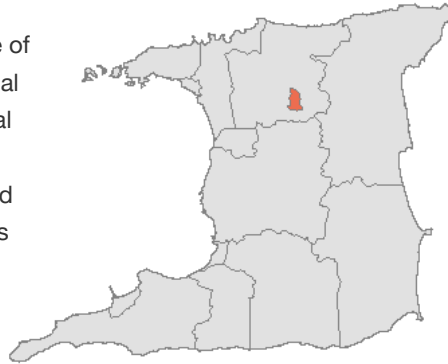
## ARIMA



### CAPITAL: ARIMA

Area: 12 km<sup>2</sup>

Located in northern Trinidad, the Borough of Arima is the one of the smallest and second least populous municipalities/regional corporations in the country. Arima is bordered by the Regional Corporation of Tunapuna-Piarco on all sides. Geographic features include generally flat to gently sloping terrain, drained by the Arima and Mausica rivers. The predominant land use is urban. Primary economic drivers are retail and distribution, assembly and related industries, and construction.



## RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - Low**  
Score: 0.426 • Rank: 12/15



**RESILIENCE (R) - Very High**  
Score: 0.581 • Rank: 2/15



**MULTI-HAZARD EXPOSURE (MHE) - Moderate**  
Score: 0.441 • Rank: 7/15



**VULNERABILITY (V) - Very Low**  
Score: 0.304 • Rank: 15/15



**COPING CAPACITY (CC) - Moderate**  
Score: 0.467 • Rank: 9/15



Population (2011 Census)  
**33,606**



Population in Poverty  
**4.5%**



Population with less than a secondary education  
**20.9%**



Access to improved water  
**99.3% households**



Infant mortality rate (per 1,000 live births)  
**83**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 15 MUNICIPALITIES  
SCORE: 0.441



MHE  
0.441

Raw MHE  
0.128

Relative MHE  
0.754

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



Earthquake

**100.0%**

**36,604**

**\$1.7 Billion**



Flood

**97.2%**

**35,590**

**\$1.7 Billion**



Landslide

**100.0%**

**36,604**

**\$1.7 Billion**



Coastal Flood

**0.0%**

**0**

-



Tropical Cyclone Winds

**100.0%**

**36,604**

**\$1.7 Billion**



Wildfire

**0.0%**

**0**

-



## VULNERABILITY (V)

**RANK: 15 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.304**

Vulnerability in Arima is primarily driven by Gender Inequality and Vulnerable Health Status. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Environmental Stress

0 1 **SCORE: 0.186** **RANK: 14/15 MUNICIPALITIES ASSESSED**

|   |  |  |  |  |  |   |   |
|---|--|--|--|--|--|---|---|
| <b>0.2%</b><br>Households affected by deforestation | <b>15%</b><br>Households affected by drainage issues | <b>7.3%</b><br>Households affected by flooding | <b>1.59%</b><br>Households affected by sewage issues | <b>1.7%</b><br>Households affected by soil erosion | <b>1.6%</b><br>Households affected by solid waste issues | <b>0.9%</b><br>Households affected by wastewater issues | <b>1.5%</b><br>Households affected by water contamination |
|---|--|--|--|--|--|---|---|



### Vulnerable Health Status

0 1 **SCORE: 0.457** **RANK: 6/15 MUNICIPALITIES ASSESSED**

|  |   |  |   |  |                                     |                                   |  |
|--|---|--|---|--|-------------------------------------|-----------------------------------|--|
| <b>19.0%</b><br>Persons with chronic illness | <b>83.1</b><br>Infant mortality rate (per 1k live births) | <b>3.4%</b><br>Persons with long-standing disability | <b>0.6%</b><br>Population in collective living quarters | <b>1.49</b><br>Chikungunya cases per 10k | <b>0.60</b><br>Dengue cases per 10k | <b>7.14</b><br>Zika cases per 10k | <b>0.30</b><br>Leptospirosis cases per 10k |
|--|---|--|---|--|-------------------------------------|-----------------------------------|--|



### Clean Water Vulnerability

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

|  |   |
|--|---|
| <b>99.3%</b><br>Households with access to improved water | <b>2.6%</b><br>Households with inadequate toilet facilities |
|--|---|



### Information Access Vulnerability

0 1 **SCORE: 0.181** **RANK: 14/15 MUNICIPALITIES ASSESSED**

|   |   |                                       |                                       |
|---|---|---------------------------------------|---------------------------------------|
| <b>20.9%</b><br>Population with less than secondary education | <b>45.3%</b><br>Households with no Internet | <b>10.2%</b><br>Households with no TV | <b>16.9%</b><br>Households with radio |
|---|---|---------------------------------------|---------------------------------------|




### Economic Constraints

0 1 **SCORE: 0.219** **RANK: 12/15 MUNICIPALITIES ASSESSED**

|                                     |  |   |                             |
|-------------------------------------|--|---|-----------------------------|
| <b>43.0</b><br>Age dependency ratio | <b>45.8%</b><br>Households with no vehicle | <b>8.7%</b><br>Population with unmet housing need | <b>4.5%</b><br>Poverty rate |
|-------------------------------------|--|---|-----------------------------|



### Gender Inequality

0  1 **SCORE: 0.638** **RANK: 4/15 MUNICIPALITIES ASSESSED**

**0.79**


Female to male labor participants

**0.90**

Female to male secondary education attainment



### Population Pressures

0  1 **SCORE: 0.450** **RANK: 7/15 MUNICIPALITIES ASSESSED**

**0.4%**

Average annual population change

**-37.6**

Net migration rate




# COPING CAPACITY (CC)

**RANK: 9 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.467**

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



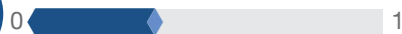
## Economic Capacity

0  1 **SCORE: 0.602** **RANK: 4/15 MUNICIPALITIES ASSESSED**

**45.6%** Labor force participation rate  
**\$5,995** Annual household income per capita (USD)  
**3.8** Financial institutions per 10k persons



## Governance

0  1 **SCORE: 0.347** **RANK: 14/15 MUNICIPALITIES ASSESSED**

**232.5** Serious crimes reported per 10k persons  
**36.4%** Voter participation  
**3.1%** 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: 0.606** **RANK: 5/15 MUNICIPALITIES ASSESSED**



## Health Care Capacity

**SCORE: 0.392** **RANK: 8/15 MUNICIPALITIES ASSESSED**

**0.3** Health care facilities (per 10k persons)  
**10.6** Average distance to hospital (km)  
**22.1%** Population with private health insurance



## Transportation Capacity

**SCORE: 0.882** **RANK: 2/15 MUNICIPALITIES ASSESSED**

**28.6** Road density (km per sq. km)  
**7.4** Average distance to nearest port (km)



## Communications Capacity

**SCORE: 0.500** **RANK: 6/15 MUNICIPALITIES ASSESSED**

**89.0%** Population using mobile phones  
**5.2** Mobile and wireless infrastructure (per 10k persons)



## Emergency Services Capacity

**SCORE: 0.652** **RANK: 5/15 MUNICIPALITIES ASSESSED**

**2.2** Average distance to fire station (km)  
**0.9** Average distance to police station (km)  
**1.9** Emergency shelters (per 10k persons)



## RESILIENCE (R)

**RANK: 2 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.581**

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

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



**Gender Inequality**



**Vulnerable Health Status**



**Governance**



**Health Care Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 14 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.225**



**Coastal Flood**

**RANK: 15 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.000**



**Flood**

**RANK: 10 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.231**



**Landslide**

**RANK: 5 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.283**



**Wildfire**

**RANK: 14 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.000**



**Tropical Cyclone Winds**

**RANK: 14 / 15 MUNICIPALITIES ASSESSED**  
**SCORE: 0.225**



## MULTI-HAZARD RISK (MHR)

**12 / 15**

RANK WITHIN MUNICIPALITIES  
Score: 0.426



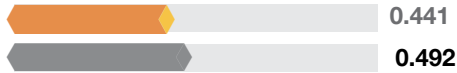
Arima's score and ranking are due to Moderate Multi-hazard Exposure combined with Very Low Vulnerability and Moderate Coping Capacity scores.



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



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity





## ARIMA RECOMMENDATIONS

# 1

### Gender Inequality

Findings show that Arima ranks 4th for overall Gender Inequality, driven by the highest gender disparity related to Secondary School Enrollment. Design and implement intervention strategies to promote and sustain engagement of both male and female students in secondary-level education and reduce dropout rates.

Promote development and empowerment of young people through social support structures and employment opportunities. This may help in reducing the number of adolescent births among young women and lower the likelihood of young people engaging in criminal activities.

In Arima, just over 50% of females age 15 and above participate in the Labor Force. Promote workforce opportunities for women that include quality, affordable childcare to boost economic growth and reduce economic dependency.

# 2

### Vulnerable Health Status

Arima ranks 6th for overall Vulnerable Health Status in the country, driven by the 2nd highest Infant Mortality Rate, and the 4th highest percentage of Populations in Collective Living Quarters.

Continue efforts by Regional Health Authorities to educate and deliver high-quality pre- and ante-natal care to pregnant women.

Improve delivery of health services to populations in collective living institutions, such as correctional facilities, orphanages, homes for the aged and differently abled, or worker camps where access to routine health care services may be limited or unavailable.

# ARIMA RECOMMENDATIONS

## 3

### Governance

Arima has the 2nd lowest overall Governance ranking, driven by the 2nd highest number of Serious Crimes Reported in the country (232 crimes per 10,000 persons), and the 5th lowest Voter Participation Rate. Continue implementation of 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.

Strengthen intervention programs and services that promote development and empowerment of young people, including reduction of risk factors (i.e., use of firearms, juvenile delinquency, domestic violence, child maltreatment, etc.)

Strengthen partnerships between government and civil society organizations to implement programs that engage youth in violence reduction/prevention and promote rehabilitation rather than institutionalization of first-time offenders.

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## 4

### Health Care Capacity

Arima's Health Care Capacity score is influenced by the 2nd lowest number of Health Care Facilities per 10,000 persons.

Continue working with the North Central Regional Health Authority to improve availability of health care services through expansion of health care infrastructure in the municipality. The average Distance to a Hospital in the Borough is over 10 kilometers away.

Strengthen programs focused on improving maternal and child health, particularly for those who are most vulnerable.

**Better solutions.  
Fewer disasters.**

# Safer world.

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