



# JAMAICA

NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT  
PARISH PROFILE – SAINT ELIZABETH

## Saint Elizabeth: Risk

Saint Elizabeth ranks **10<sup>th</sup>** out of **14** on the Multi-Hazard Risk index with a score of **0.464**. While Saint Elizabeth has very low Multi-Hazard Exposure, the Parish exhibits very high Vulnerability and low Coping Capacity (see Figure 1). The Parish ranks 14<sup>th</sup> for Multi-Hazard Exposure, 2<sup>nd</sup> in Vulnerability, and 10<sup>th</sup> in Coping Capacity.

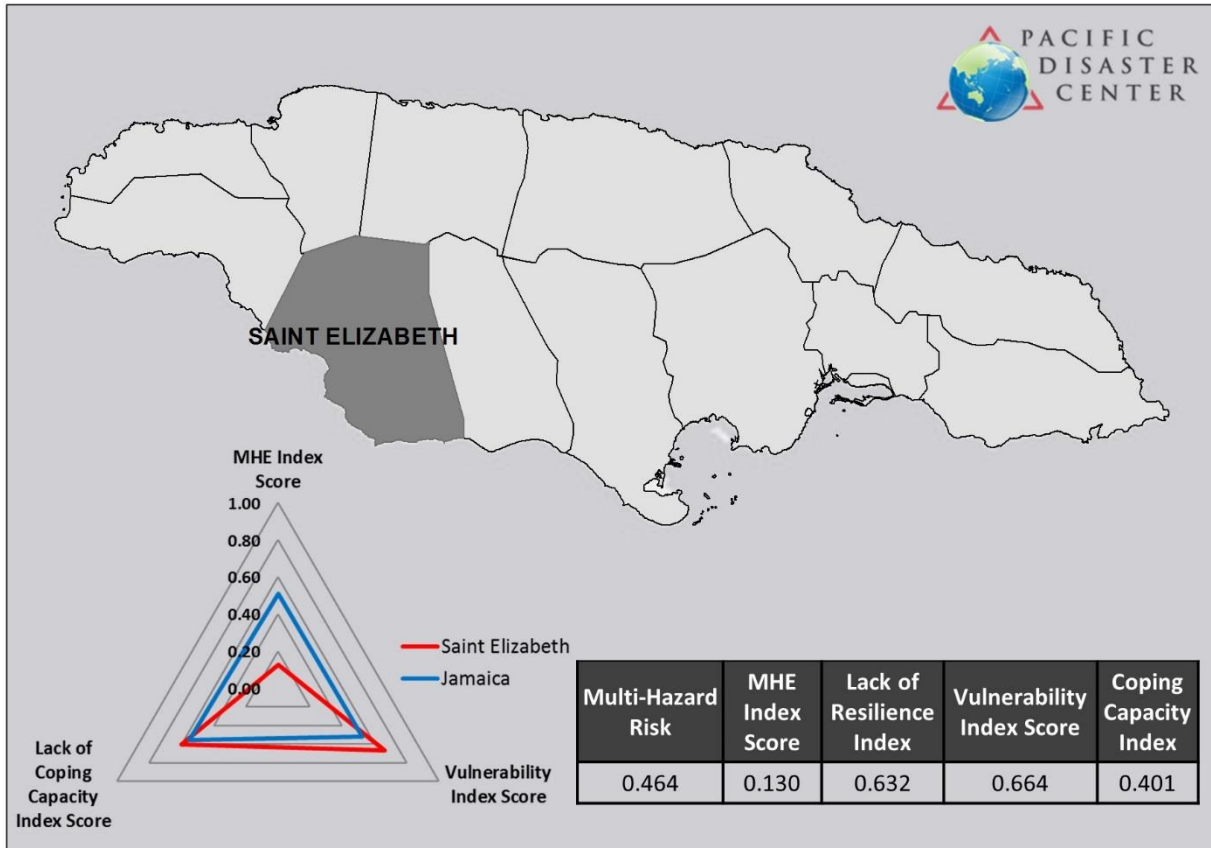


Figure 1. Risk scores for the parish of Saint Elizabeth

## Saint Elizabeth: Lack of Resilience

Saint Elizabeth ranks **2<sup>nd</sup>** of **14** on the Lack of Resilience Index with a score of **0.632** (refer to Table 1). Saint Elizabeth’s score and ranking are a product of very high Vulnerability combined with low Coping Capacity. The Parish ranks 2<sup>nd</sup> in Vulnerability and 10<sup>th</sup> in Coping Capacity.

The three thematic areas with the weakest relative scores for the Parish of Saint Elizabeth are: **Clean Water Vulnerability, Gender Inequality, and Health Care Capacity.**

Table 1. Lack of Resilience Index and Component scores for Saint Elizabeth

Index	Saint Elizabeth	
	Score	Rank
Lack of Resilience	0.632	2
<b>Components</b>		
Vulnerability	0.664	2
Coping Capacity	0.401	10

## Saint Elizabeth: Coping Capacity

Saint Elizabeth’s Coping Capacity ranks **10<sup>th</sup>** out of **14** with a score of **0.401**. The thematic areas with the weakest relative scores are **Economic Capacity** and **Infrastructure (especially Health Care Capacity)**. Refer to Figure 2 and Table 2. These two thematic areas appear to constrain Coping Capacity within this parish.

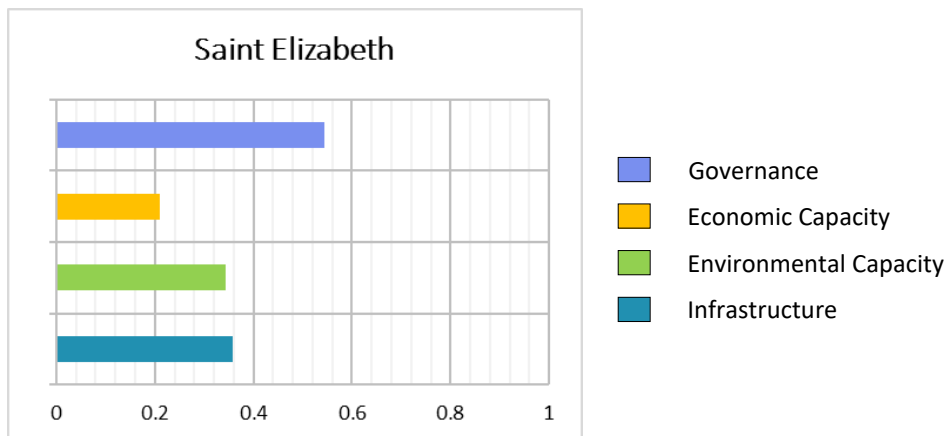


Figure 2. Coping Capacity subcomponents for Saint Elizabeth

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Saint Elizabeth

Index	Saint Elizabeth	
	Score	Rank
Coping Capacity	0.401	10
<b>Subcomponents</b>		
Governance	0.544	4
Economic Capacity	0.209	10
Environmental Capacity	0.344	8
Infrastructure	0.357	10
<b>Infrastructure Sub-indices</b>		
Health Care	0.231	14
Transportation	0.372	9
Communications	0.467	8

### Saint Elizabeth: Vulnerability

Saint Elizabeth ranks **2<sup>nd</sup>** out of **14** on the Vulnerability Index with a score of **0.664**. Vulnerability in Saint Elizabeth is strongly influenced by **Clean Water Vulnerability, Gender Inequality, Information Access Vulnerability,** and **Economic Constraints** subcomponent scores. Refer to Table 3 and Figure 3.

Table 3. Vulnerability Index and subcomponent index scores for Saint Elizabeth

Index	Saint Elizabeth	
	Score	Rank
Vulnerability	0.664	2
<b>Subcomponents</b>		
Economic Constraints	0.603	4
Info Access Vulnerability	0.757	4
Vulnerable Health Status	0.559	5
Clean Water Vulnerability	0.941	1
Environmental Stress	0.416	10
Recent Disaster Impacts	0.517	5
Gender Inequality	0.857	1

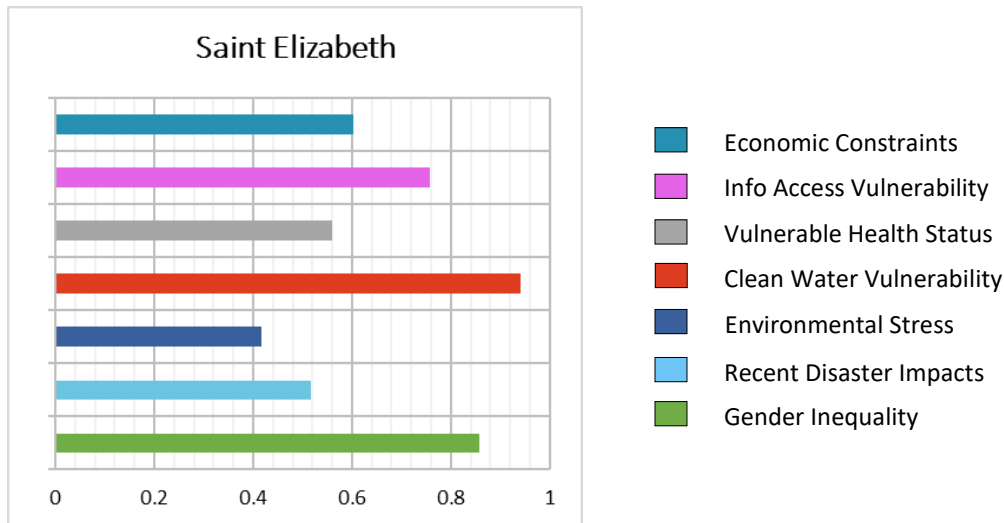


Figure 3. Vulnerability subcomponents for Saint Elizabeth

### Saint Elizabeth: Multi-Hazard Exposure

Saint Elizabeth ranks **14<sup>th</sup>** out of **14** on the Multi-Hazard Exposure index with a score of **0.130** (refer to Table 4). Despite this low rank, a significant proportion of the population is exposed to **tropical cyclones** and **landslides** (see Figure 4 and Figure 5. Though Saint Elizabeth is also exposed to inland flood, coastal flood, and seismic activity, these hazards affect a smaller proportion of the Parish's population.

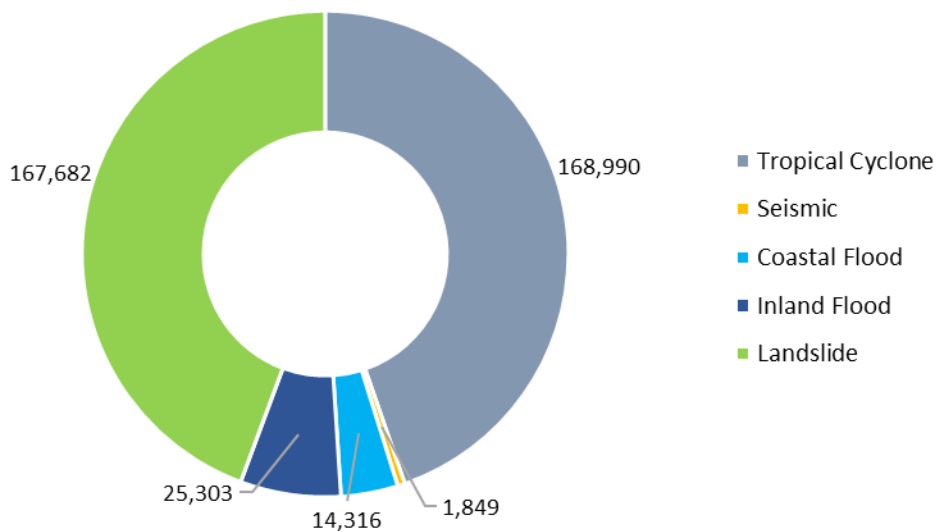


Figure 4. Raw population exposure by hazard type for Saint Elizabeth

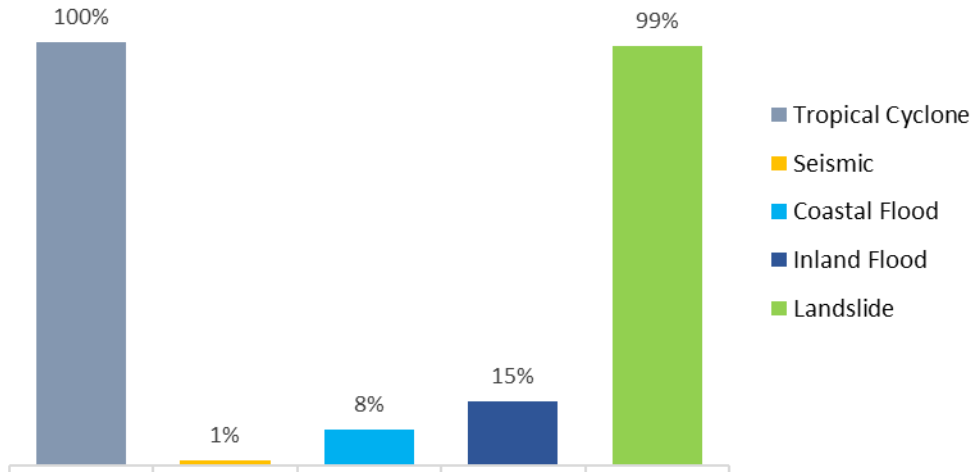


Figure 5. Percent population exposure to hazard type for Saint Elizabeth

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Saint Elizabeth

Index	Saint Elizabeth	
	Score	Rank
Multi-Hazard Exposure	0.130	14
<b>Subcomponents</b>		
Raw Exposure	0.259	11
Relative Exposure	0.000	14