



JAMAICA

NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT PARISH PROFILE – KINGSTON

Kingston: Risk

Kingston ranks **13th** out of **14** on the Multi-Hazard Risk index with a score of **0.411**. Kingston has moderate Multi-Hazard Exposure, very low Vulnerability and very high Coping Capacity (see Figure 1). The Parish ranks 6th in Multi-Hazard Exposure, 14th in Vulnerability, and 2nd in Coping Capacity.

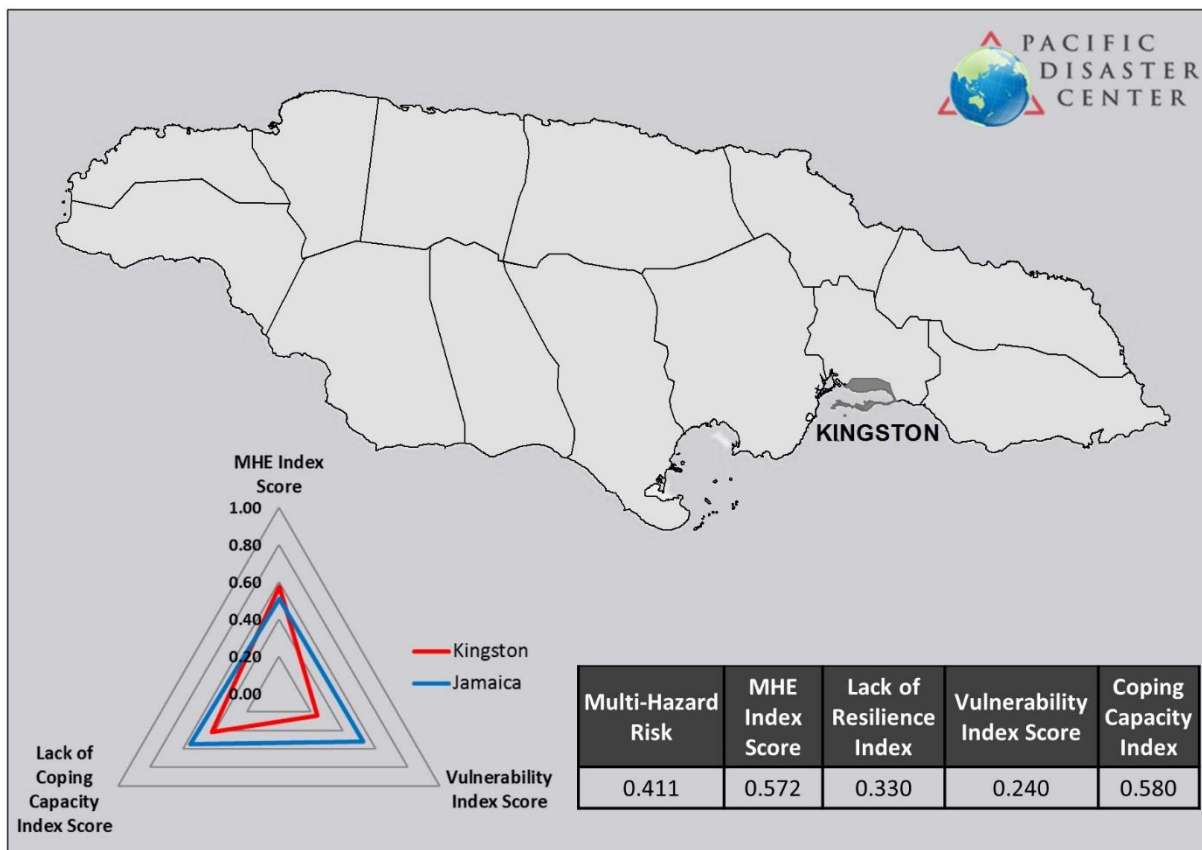


Figure 1. Risk scores for the parish of Kingston

Kingston: Lack of Resilience

Kingston ranks **13th** of **14** on the Lack of Resilience Index with a score of **0.330** (refer to Table 1). Kingston's score and ranking are due to very low Vulnerability and very high Coping Capacity, indicating high resilience overall. The Parish ranks 14th in Vulnerability and 2nd in Coping Capacity.

Kingston exhibits relatively few thematic weaknesses in Vulnerability and Coping Capacity with three notable exceptions: **Economic Capacity, Governance** and **Economic Constraints**.

Table 1. Lack of Resilience Index and Component scores for Kingston

| Index | Kingston | |
|--------------------|----------|------|
| | Score | Rank |
| Lack of Resilience | 0.330 | 13 |
| Components | | |
| Vulnerability | 0.240 | 14 |
| Coping Capacity | 0.580 | 2 |

Kingston: Coping Capacity

Kingston's Coping Capacity ranks **2nd** out of **14** with a score of **0.580**. The thematic areas with the weakest relative scores are **Economic Capacity** and **Governance** (see Figure 2 and Table 2). These two thematic areas appear to constrain Coping Capacity within this parish.

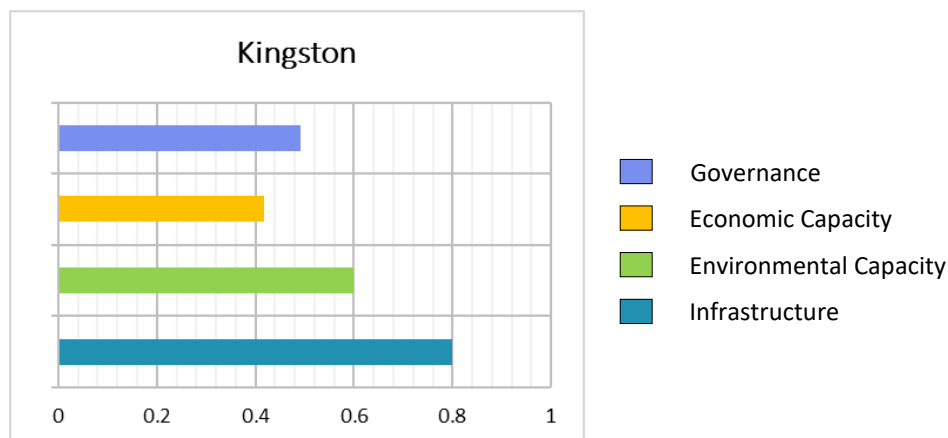


Figure 2. Coping Capacity subcomponents for Kingston

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

| Index | Kingston | |
|-----------------------------------|----------|------|
| | Score | Rank |
| Coping Capacity | 0.580 | 2 |
| Subcomponents | | |
| Governance | 0.492 | 6 |
| Economic Capacity | 0.419 | 6 |
| Environmental Capacity | 0.599 | 4 |
| Infrastructure | 0.799 | 2 |
| Infrastructure Sub-indices | | |
| Health Care | 0.722 | 1 |
| Transportation | 1.000 | 1 |
| Communications | 0.676 | 3 |

Kingston: Vulnerability

Kingston ranks **14th** out of **14** on the Vulnerability Index with a score of **0.240**. Despite having the lowest overall vulnerability in the country, Kingston is influenced by a high subcomponent score in the thematic area of **Economic Constraints**. Refer to Table 3 and Figure 3.

Table 3. Vulnerability Index and subcomponent index scores for Kingston

| Index | Kingston | |
|---------------------------|----------|------|
| | Score | Rank |
| Vulnerability | 0.240 | 14 |
| Subcomponents | | |
| Economic Constraints | 0.587 | 5 |
| Info Access Vulnerability | 0.465 | 9 |
| Vulnerable Health Status | 0.348 | 13 |
| Clean Water Vulnerability | 0.000 | 14 |
| Environmental Stress | 0.246 | 14 |
| Recent Disaster Impacts | 0.000 | 14 |
| Gender Inequality | 0.036 | 14 |

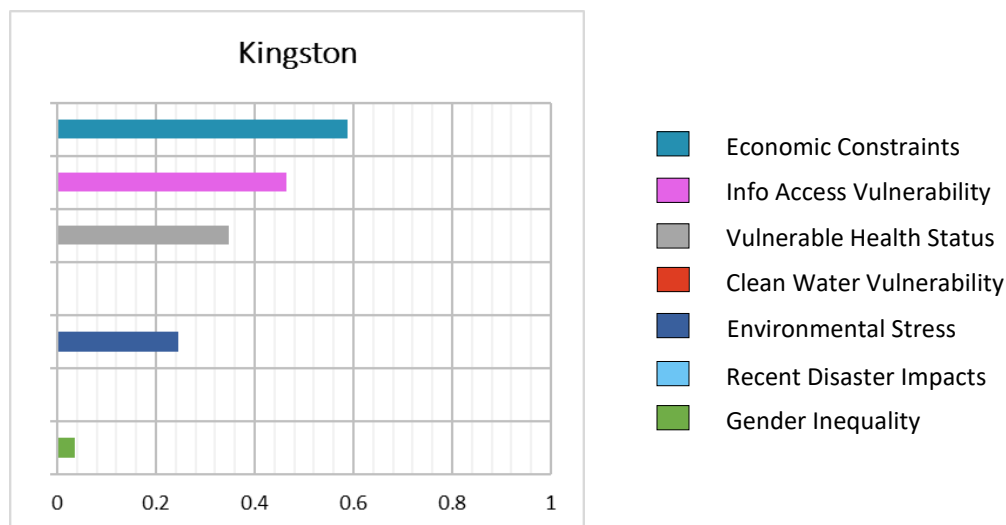


Figure 3. Vulnerability subcomponents for Kingston

Kingston: Multi-Hazard Exposure

Kingston ranks 6th out of 14 on the Multi-Hazard Exposure index with a score of **0.572** (refer to Table 4). A large proportion of Kingston's population is exposed to **tropical cyclones, seismic activity, and coastal flood** (see Figure 4 and Figure 5). A smaller proportion of Kingston's population is also exposed to inland flood.

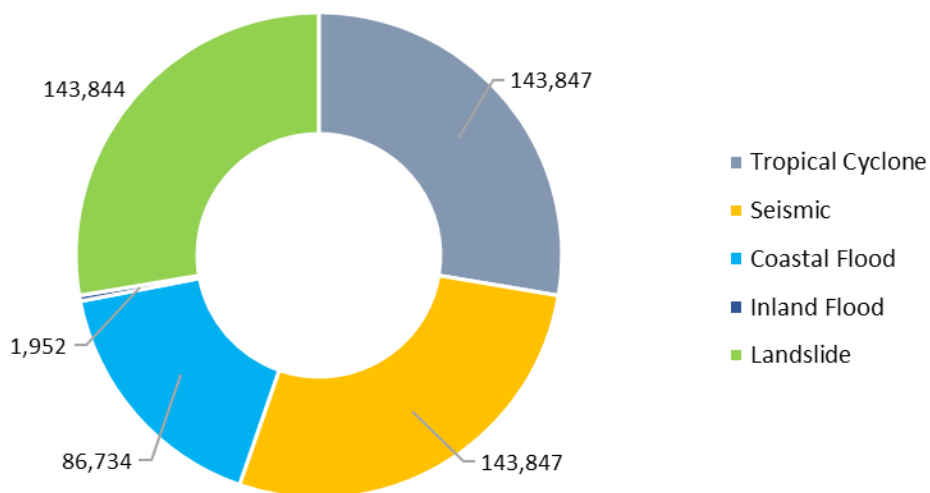


Figure 4. Raw population exposure by hazard type for Kingston

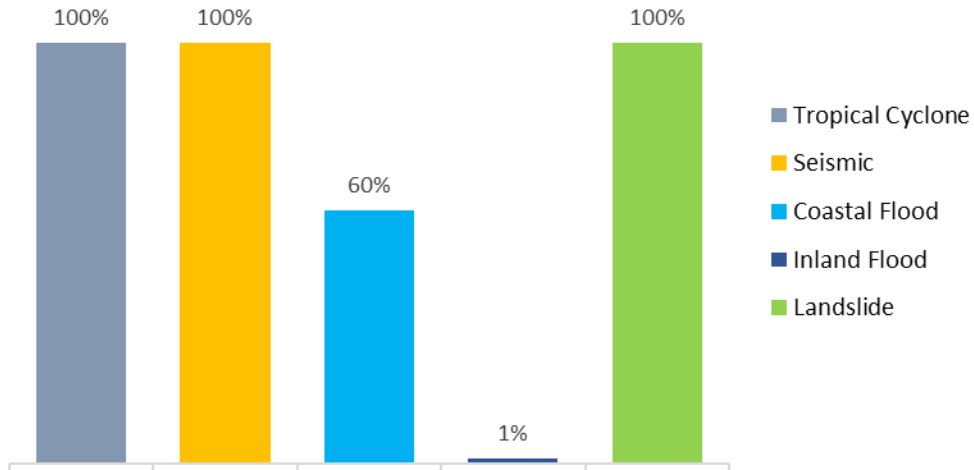


Figure 5. Percent population exposure to hazard type for Kingston

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

| Index | Kingston | |
|-----------------------|----------|------|
| | Score | Rank |
| Multi-Hazard Exposure | 0.572 | 6 |
| Subcomponents | | |
| Raw Exposure | 0.390 | 7 |
| Relative Exposure | 0.755 | 6 |