



JAMAICA

NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – MANCHESTER

Manchester: Risk

Manchester ranks 6th of 14 on the Multi-Hazard Risk Index with a score of **0.541**. Manchester's score and ranking are driven primarily by very low Coping Capacity scores. Manchester ranks 9th in Multi-Hazard Exposure and 10th in Vulnerability, but has the lowest Coping Capacity score in the country (see Figure 1).

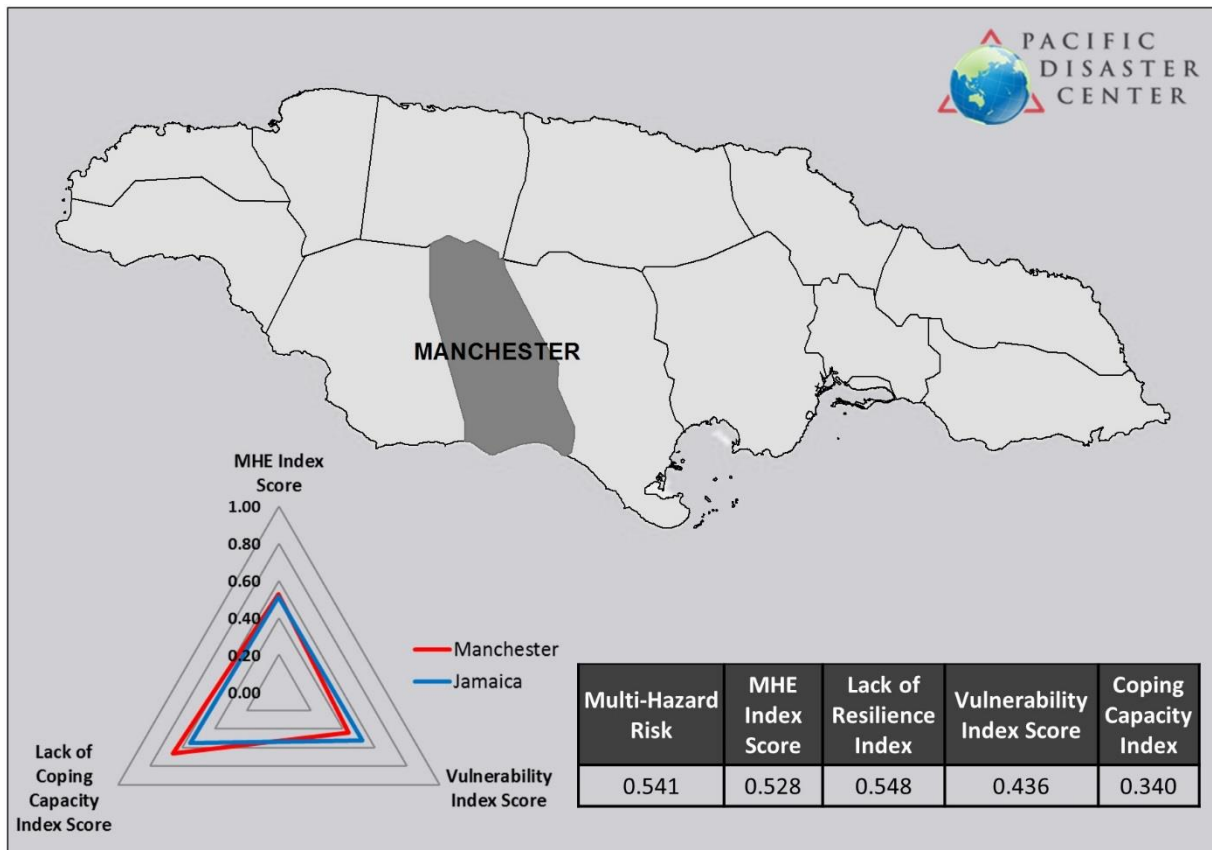


Figure 1. Risk scores for the parish of Manchester

Manchester: Lack of Resilience

Manchester ranks 9th of 14 on the Lack of Resilience Index with a score of **0.548** (see Table 1). Manchester's score and ranking are due to its low Vulnerability and very low Coping Capacity. The Parish ranks 10th in Vulnerability and 14th in Coping Capacity.

The three thematic areas with the weakest relative scores for the Parish of Manchester are: **Governance**, **Environmental Capacity**, and **Clean Water Vulnerability**.

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

Index	Manchester	
	Score	Rank
Lack of Resilience	0.548	9
Components		
Vulnerability	0.436	10
Coping Capacity	0.340	14

Manchester: Coping Capacity

Manchester's Coping Capacity ranks 14th out of 14 with a score of **0.340**. Thematically, this low coping capacity is driven by weak relative scores in **Governance** and **Environmental Capacity** (refer to Table 2). These two thematic areas appear to constrain Coping Capacity within this parish (refer to Figure 2).

Figure 2. Coping Capacity subcomponents for Manchester

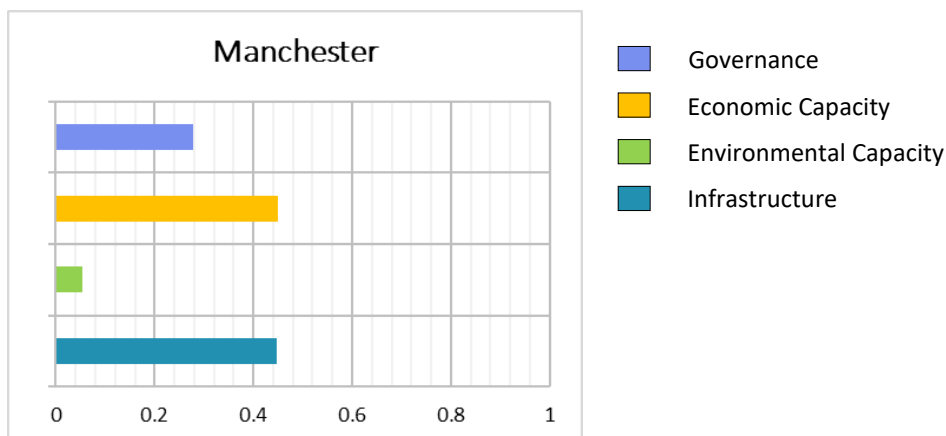


Table 2. Coping Capacity Index, subcomponent and sub-index scores for Manchester

Index	Manchester	
	Score	Rank
Coping Capacity	0.340	14
Subcomponents		
Governance	0.277	14
Economic Capacity	0.449	5
Environmental Capacity	0.055	13
Infrastructure	0.448	6
Infrastructure Sub-indices		
Health Care	0.379	9
Transportation	0.376	8
Communications	0.588	6

Manchester: Vulnerability

Manchester ranks **10th** out of **14** on the Vulnerability Index with a score of **0.436**. Though overall vulnerability is relatively low in Manchester, the index is influenced by high **Clean Water Vulnerability** and **Gender Inequality** subcomponent scores (refer to Table 3 and Figure 3).

Table 3. Vulnerability Index and subcomponent index scores for Manchester

Index	Manchester	
	Score	Rank
Vulnerability	0.436	10
Subcomponents		
Economic Constraints	0.331	14
Info Access Vulnerability	0.410	11
Vulnerable Health Status	0.428	10
Clean Water Vulnerability	0.771	6
Environmental Stress	0.247	13
Recent Disaster Impacts	0.292	12
Gender Inequality	0.572	6

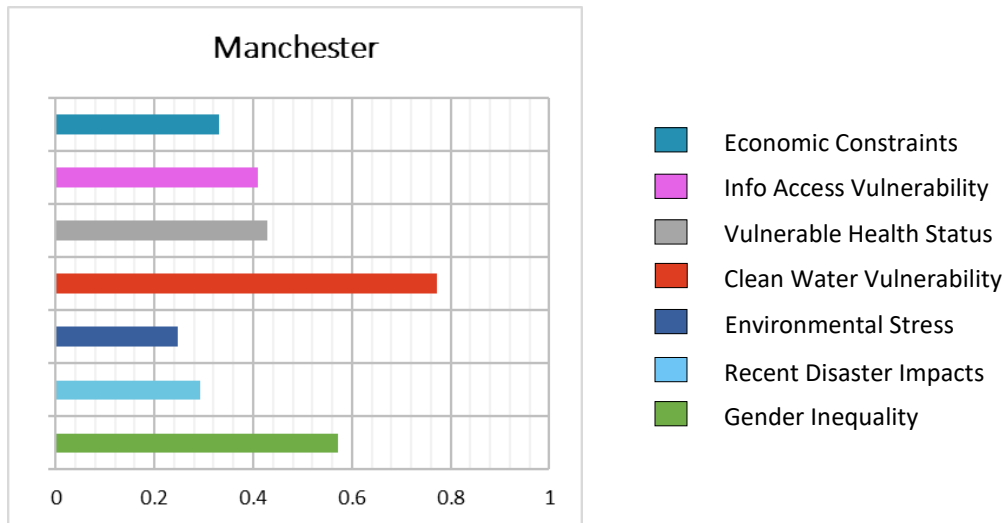


Figure 3. Vulnerability subcomponents for Manchester

Manchester: Multi-Hazard Exposure

Manchester ranks 9th out of 14 on the Multi-Hazard Exposure Index with a score of **0.528** (see Table 4). A large proportion of the population is exposed to **tropical cyclones, seismic activity, landslides, and Inland flood**. A smaller proportion of Manchester’s population is also exposed to coastal flood (see Figure 4 and Figure 5).

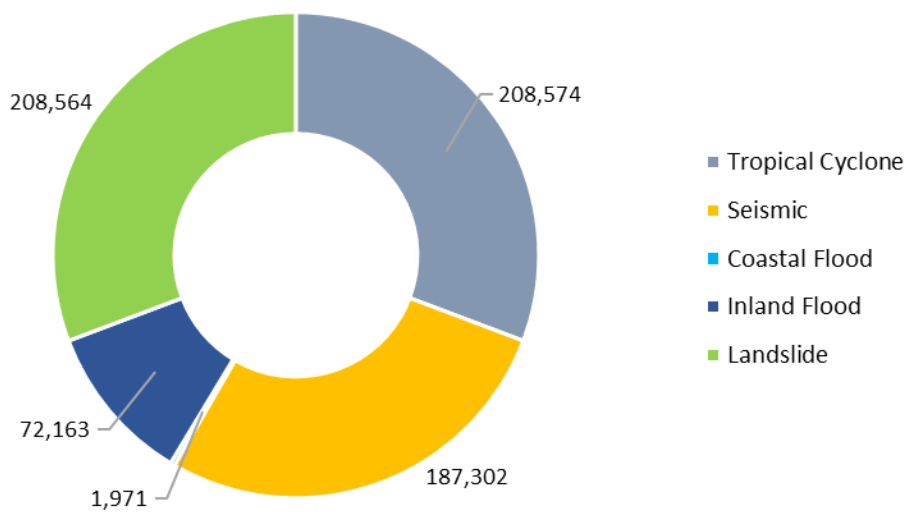


Figure 4. Raw population exposure by hazard type for Manchester

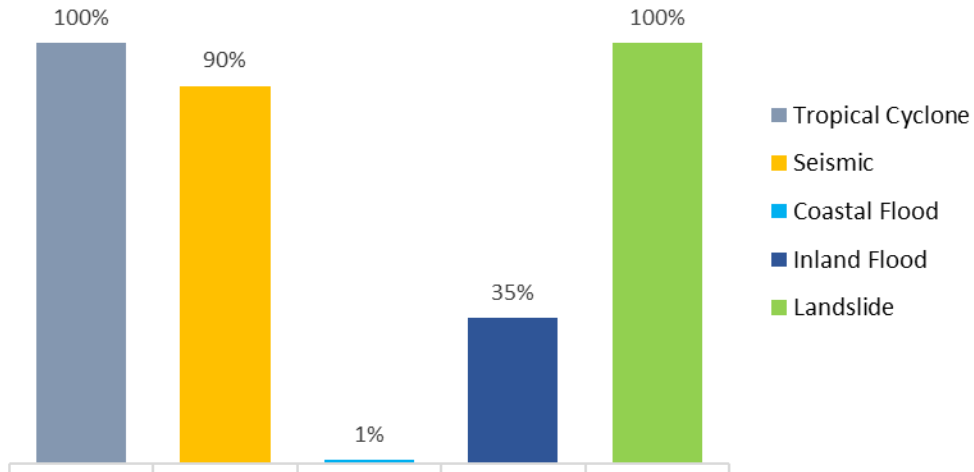


Figure 5. Percent population exposure to hazard type for Manchester

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

Index	Manchester	
	Score	Rank
Multi-Hazard Exposure	0.528	9
Subcomponents		
Raw Exposure	0.499	4
Relative Exposure	0.556	9