



MADAGASCAR

BETSIBOKA

NDPBA REGION PROFILE

MADAGASCAR

REGION: BETSIBOKA



RISK AND VULNERABILITY COMPONENT SCORES



MULTI-HAZARD RISK (MHR) -

Moderate

Score: 0.483 • Rank: 13/23



RESILIENCE (R) -

Low

Score: 0.380 • Rank: 15/23



MULTI-HAZARD EXPOSURE (MHE) -

Low

Score: 0.207 • Rank: 17/23



VULNERABILITY (V) -

Moderate

Score: 0.519 • Rank: 9/23



COPING CAPACITY (CC) -

Very Low

Score: 0.278 • Rank: 19/23

REGION HIGHLIGHTS



Population (2018 Census)

393,278



Extreme Poverty Rate

57.9%



Household Access to Drinking Water

46.7%



Literacy Rate

71.7%



Household Access to Electricity

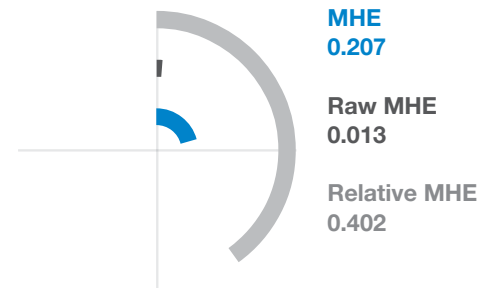
46.7%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 17 / 23 REGIONS

SCORE: 0.207



ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Landslide

13% (11,400)

Buildings Exposed: **16%**

Critical Infrastructure Exposed: **19%**



Coastal Flooding

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Extreme Heat

67% (61,400)

Buildings Exposed: **54%**

Critical Infrastructure Exposed: **51%**



Riverine Flooding

13% (11,500)

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **24%**



Wildfire

3% (2,420)

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **8%**



Tsunami

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Malaria

<1% (369)

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **0%**



Tropical Cyclone Wind

100% (91,000)

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Locust

Cropland Exposed: **71%**



Earthquake

5% (4,300)

Buildings Exposed: **7%**

Critical Infrastructure Exposed: **15%**

NOTE: Population exposure values are estimated using PDC's All-hazard Impact Model (AIM). Values may differ from Census population.



VULNERABILITY (V)

RANK: 9 / 23 REGIONS ASSESSED
SCORE: 0.519

Below is a summary of the regional Vulnerability Assessment within Betsiboka. Detailed region-level results, including all indicators used to assess vulnerability, are available in DisasterAWARE.



Information Access Vulnerability



SCORE: 0.702

RANK: 8/23 REGIONS ASSESSED



Clean Water Access Vulnerability

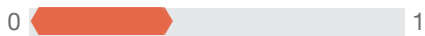


SCORE: 0.689

RANK: 10/23 REGIONS ASSESSED



Economic Constraints

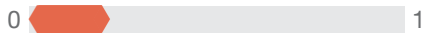


SCORE: 0.353

RANK: 11/23 REGIONS ASSESSED



Gender Disparity

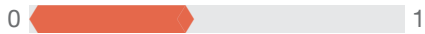


SCORE: 0.183

RANK: 19/23 REGIONS ASSESSED



Vulnerable Health Status



SCORE: 0.405

RANK: 10/23 REGIONS ASSESSED



Housing Vulnerability



SCORE: 0.780

RANK: 4/23 REGIONS ASSESSED



VULNERABILITY (V)

RANK: 9 / 23 REGIONS ASSESSED**SCORE: 0.519**

KEY FACTORS INFLUENCING VULNERABILITY



Housing Vulnerability

Populations living in poorly constructed housing, or homes built prior to the enactment of modern building codes, are more susceptible to structural damage and losses due to hazard impacts. In addition, higher density living situations such as crowded households increase susceptibility to negative consequences resulting from hazard exposure.



Information Access Vulnerability

The ability to understand hazard and disaster-related information before, during, and after an event is central to acting on that information. If information channels and formats are limited, the groups and individuals exposed to information inclusive of mitigation options, preparedness measures, available resources, and impending hazard events, will likewise be limited. Information access enables the building and diversification of exposed populations' critical skill sets both before and after disasters strike.



COPING CAPACITY (CC)

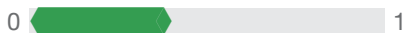
RANK: 19 / 23 REGIONS ASSESSED

SCORE: 0.278

Below is a summary of the regional Coping Capacity Assessment within Betsiboka. Detailed region-level results, including all indicators used to assess coping capacity, are available in DisasterAWARE.



Economic Capacity

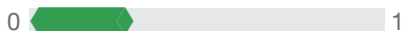


SCORE: 0.375

RANK: 10/23 REGIONS ASSESSED



Health Care Capacity

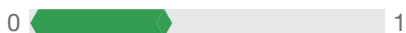


SCORE: 0.239

RANK: 16/23 REGIONS ASSESSED



Energy and Communications Capacity

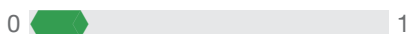


SCORE: 0.372

RANK: 9/23 REGIONS ASSESSED



Transportation Capacity



SCORE: 0.125

RANK: 23/23 REGIONS ASSESSED

KEY FACTORS INFLUENCING COPING CAPACITY



Transportation Capacity

Transportation Capacity represents the ability to ensure efficient movement and delivery of resources key to effective humanitarian assistance and disaster relief operations, including the provision of health services.



Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.



RESILIENCE (R)

RANK: 15 / 23 REGIONS ASSESSED

SCORE: 0.380

Key drivers of Resilience within Betsiboka are summarized below. Detailed region-level results for the RVA are available in DisasterAWARE.

KEY FACTORS INFLUENCING RESILIENCE



Transportation Capacity

Transportation Capacity represents the ability to ensure efficient movement and delivery of resources key to effective humanitarian assistance and disaster relief operations, including the provision of health services.



Housing Vulnerability

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HAZARD-SPECIFIC RISK (HSR)



Sea Level Rise

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000



Coastal Flooding

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000



Riverine Flooding

RANK: 9 / 23 REGIONS ASSESSED
SCORE: 0.410



Tsunami

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000



Tropical Cyclone Wind

RANK: 11 / 23 REGIONS ASSESSED
SCORE: 0.643



Earthquake

RANK: 4 / 23 REGIONS ASSESSED
SCORE: 0.234



Landslide

RANK: 14 / 23 REGIONS ASSESSED
SCORE: 0.343



Extreme Heat

RANK: 8 / 23 REGIONS ASSESSED
SCORE: 0.501



Wildfire

RANK: 8 / 23 REGIONS ASSESSED
SCORE: 0.236



Malaria

RANK: 19 / 23 REGIONS ASSESSED
SCORE: 0.050



Locust

RANK: 7 / 23 REGIONS ASSESSED
SCORE: 0.665



MULTI-HAZARD RISK (MHR)

13 / 23

RANK AMONG REGIONS
SCORE: 0.483

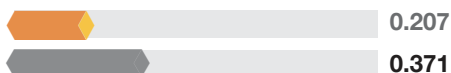
The Multi-Hazard Risk score and ranking represent a combination of multi-hazard exposure, vulnerability, and coping capacity. Below is a summary of the Betsiboka region's RVA results. Detailed region-level results for the RVA are available in DisasterAWARE.

**Multi-Hazard Risk component scores
compared to overall average country scores:**

— COUNTRY SCORE
— BETSIBOKA SCORE



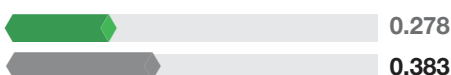
Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

**1305 N. Holopono Street | P: (808) 891-0525
Suite 2, Kihei, HI 96753 | F: (808) 891-0526**



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/PDCGlobal



www.pdc.org



ndpba@pdc.org