



MADAGASCAR

VATOVAVY

NDPBA REGION PROFILE

MADAGASCAR

REGION: VATOVAVY



RISK AND VULNERABILITY COMPONENT SCORES



MULTI-HAZARD RISK (MHR) -

Very High

Score: 0.62 • Rank: 3/23



RESILIENCE (R) -

Very Low

Score: 0.322 • Rank: 19/23



MULTI-HAZARD EXPOSURE (MHE) -

High

Score: 0.503 • Rank: 6/23



VULNERABILITY (V) -

High

Score: 0.666 • Rank: 6/23



COPING CAPACITY (CC) -

Low

Score: 0.31 • Rank: 17/23

REGION HIGHLIGHTS



Population (2018 Census)

705,675



Extreme Poverty Rate

74.3%



Household Access to Drinking Water

13.6%



Literacy Rate

62.6%



Household Access to Electricity

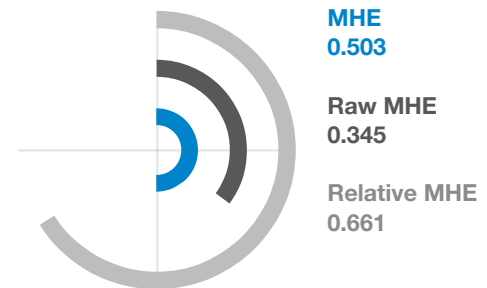
13.6%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 23 REGIONS

SCORE: 0.503



ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

<1% (109)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**



Landslide

71% (416,000)

Buildings Exposed: **63%**

Critical Infrastructure Exposed: **39%**



Coastal Flooding

<1% (357)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**



Extreme Heat

15% (89,900)

Buildings Exposed: **17%**

Critical Infrastructure Exposed: **37%**



Riverine Flooding

8% (46,300)

Buildings Exposed: **11%**

Critical Infrastructure Exposed: **41%**



Wildfire

4% (20,700)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**



Tsunami

2% (14,000)

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **36%**



Malaria

71% (411,000)

Buildings Exposed: **65%**

Critical Infrastructure Exposed: **36%**



Tropical Cyclone Wind

100% (583,000)

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Locust

Cropland Exposed: **<1%**



Earthquake

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**

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



VULNERABILITY (V)

RANK: 6 / 23 REGIONS ASSESSED
SCORE: 0.666

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



Information Access Vulnerability



SCORE: 0.697

RANK: 9/23 REGIONS ASSESSED



Clean Water Access Vulnerability



SCORE: 0.808

RANK: 4/23 REGIONS ASSESSED



Economic Constraints



SCORE: 0.564

RANK: 6/23 REGIONS ASSESSED



Gender Disparity



SCORE: 0.609

RANK: 3/23 REGIONS ASSESSED



Vulnerable Health Status



SCORE: 0.715

RANK: 1/23 REGIONS ASSESSED



Housing Vulnerability



SCORE: 0.602

RANK: 13/23 REGIONS ASSESSED



VULNERABILITY (V)

RANK: 6 / 23 REGIONS ASSESSED

SCORE: 0.666

KEY FACTORS INFLUENCING VULNERABILITY



Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.



Vulnerable Health Status

A population with a compromised health status will have a greatly reduced ability to manage short- and long-term disaster outcomes. Improving health is often correlated with decreased susceptibility to injury, disease, and stress associated with disasters. Acute or prolonged vulnerable health status limits the basic capacity of response functions.



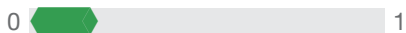
COPING CAPACITY (CC)

RANK: 17 / 23 REGIONS ASSESSED
SCORE: 0.31

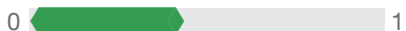
Below is a summary of the regional Coping Capacity Assessment within Vatovavy. Detailed region-level results, including all indicators used to assess coping capacity, are available in DisasterAWARE.



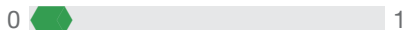
Economic Capacity


SCORE: 0.155
RANK: 18/23 REGIONS ASSESSED


Health Care Capacity


SCORE: 0.380
RANK: 8/23 REGIONS ASSESSED


Energy and Communications Capacity


SCORE: 0.078
RANK: 22/23 REGIONS ASSESSED


Transportation Capacity


SCORE: 0.625
RANK: 3/23 REGIONS ASSESSED

KEY FACTORS INFLUENCING COPING CAPACITY



Energy and Communications Capacity

Homes, businesses, industry, and government all rely on access to energy resources and communications for continuity of daily activities. Expanding, strengthening, and securing the energy network and increasing the availability of internet services will contribute to economic development, facilitate effective and coordinated communication, and increase the speed of recovery processes in the aftermath of a disaster.



Economic Capacity

A strong economic foundation provides an indication of a region's ability to absorb economic losses and quickly mobilize financial assets for preparedness, response and recovery activities. Limited economic capacity correlates to disproportionate disaster impacts.



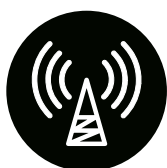
RESILIENCE (R)

RANK: 19 / 23 REGIONS ASSESSED

SCORE: 0.322

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

KEY FACTORS INFLUENCING RESILIENCE



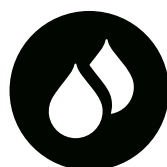
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HAZARD-SPECIFIC RISK (HSR)



Sea Level Rise

RANK: 12 / 23 REGIONS ASSESSED
SCORE: 0.127



Coastal Flooding

RANK: 12 / 23 REGIONS ASSESSED
SCORE: 0.108



Riverine Flooding

RANK: 6 / 23 REGIONS ASSESSED
SCORE: 0.536



Tsunami

RANK: 2 / 23 REGIONS ASSESSED
SCORE: 0.683



Tropical Cyclone Wind

RANK: 3 / 23 REGIONS ASSESSED
SCORE: 0.718



Earthquake

RANK: 7 / 23 REGIONS ASSESSED
SCORE: 0.000



Landslide

RANK: 1 / 23 REGIONS ASSESSED
SCORE: 0.702



Extreme Heat

RANK: 12 / 23 REGIONS ASSESSED
SCORE: 0.389



Wildfire

RANK: 11 / 23 REGIONS ASSESSED
SCORE: 0.177



Malaria

RANK: 6 / 23 REGIONS ASSESSED
SCORE: 0.570



Locust

RANK: 20 / 23 REGIONS ASSESSED
SCORE: 0.052



MULTI-HAZARD RISK (MHR)

3 / 23

 RANK AMONG REGIONS
 SCORE: 0.62

The Multi-Hazard Risk score and ranking represent a combination of multi-hazard exposure, vulnerability, and coping capacity. Below is a summary of the Vatovavy 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
  VATOVAVY SCORE



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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