



MADAGASCAR

FITOVINANY

NDPBA REGION PROFILE

MADAGASCAR

REGION: FITOVINANY



RISK AND VULNERABILITY COMPONENT SCORES



MULTI-HAZARD RISK (MHR) -

Very High

Score: 0.607 • Rank: 4/23



RESILIENCE (R) -

Low

Score: 0.343 • Rank: 16/23



MULTI-HAZARD EXPOSURE (MHE) -

High

Score: 0.507 • Rank: 5/23



VULNERABILITY (V) -

High

Score: 0.67 • Rank: 5/23



COPING CAPACITY (CC) -

Low

Score: 0.356 • Rank: 14/23

REGION HIGHLIGHTS



Population (2018 Census)

734,982



Extreme Poverty Rate

73.9%



Household Access to Drinking Water

23.3%



Literacy Rate

62.6%



Household Access to Electricity

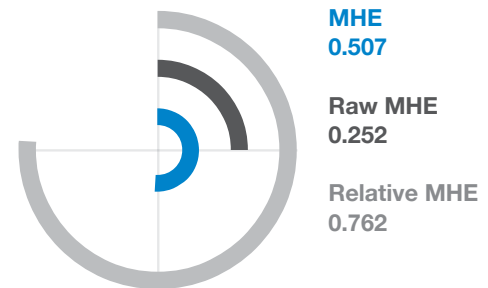
23.3%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 23 REGIONS

SCORE: 0.507



ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

<1% (1,010)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **15%**



Landslide

49% (213,000)

Buildings Exposed: **56%**

Critical Infrastructure Exposed: **31%**



Coastal Flooding

1% (3,190)

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **15%**



Extreme Heat

63% (276,000)

Buildings Exposed: **52%**

Critical Infrastructure Exposed: **68%**



Riverine Flooding

20% (87,300)

Buildings Exposed: **15%**

Critical Infrastructure Exposed: **47%**



Wildfire

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Tsunami

7% (28,800)

Buildings Exposed: **5%**

Critical Infrastructure Exposed: **34%**



Malaria

40% (176,000)

Buildings Exposed: **43%**

Critical Infrastructure Exposed: **18%**



Tropical Cyclone Wind

100% (439,000)

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Locust

Cropland Exposed: **0%**



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: 5 / 23 REGIONS ASSESSED
SCORE: 0.67

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



Information Access Vulnerability



SCORE: 0.741

RANK: 7/23 REGIONS ASSESSED



Clean Water Access Vulnerability



SCORE: 0.761

RANK: 5/23 REGIONS ASSESSED



Economic Constraints



SCORE: 0.551

RANK: 7/23 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: 0.642

RANK: 9/23 REGIONS ASSESSED



VULNERABILITY (V)

RANK: 5 / 23 REGIONS ASSESSED

SCORE: 0.67

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.



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.



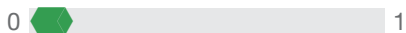
COPING CAPACITY (CC)

RANK: 14 / 23 REGIONS ASSESSED
SCORE: 0.356

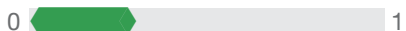
Below is a summary of the regional Coping Capacity Assessment within Fitovinany. Detailed region-level results, including all indicators used to assess coping capacity, are available in DisasterAWARE.



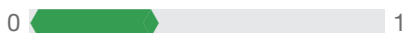
Economic Capacity


SCORE: 0.080
RANK: 22/23 REGIONS ASSESSED


Health Care Capacity


SCORE: 0.247
RANK: 15/23 REGIONS ASSESSED


Energy and Communications Capacity


SCORE: 0.333
RANK: 15/23 REGIONS ASSESSED


Transportation Capacity


SCORE: 0.765
RANK: 1/23 REGIONS ASSESSED

KEY FACTORS INFLUENCING COPING CAPACITY



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.



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.



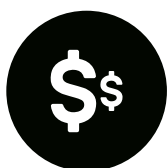
RESILIENCE (R)

RANK: 16 / 23 REGIONS ASSESSED

SCORE: 0.343

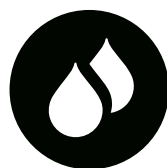
Key drivers of Resilience within Fitovinany are summarized below. Detailed region-level results for the RVA are available in DisasterAWARE.

KEY FACTORS INFLUENCING RESILIENCE



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.



Clean Water Access Vulnerability

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Information Access Vulnerability

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HAZARD-SPECIFIC RISK (HSR)



Sea Level Rise

RANK: 2 / 23 REGIONS ASSESSED
SCORE: 0.557



Coastal Flooding

RANK: 6 / 23 REGIONS ASSESSED
SCORE: 0.481



Riverine Flooding

RANK: 3 / 23 REGIONS ASSESSED
SCORE: 0.603



Tsunami

RANK: 1 / 23 REGIONS ASSESSED
SCORE: 0.740



Tropical Cyclone Wind

RANK: 6 / 23 REGIONS ASSESSED
SCORE: 0.691



Earthquake

RANK: 7 / 23 REGIONS ASSESSED
SCORE: 0.000



Landslide

RANK: 4 / 23 REGIONS ASSESSED
SCORE: 0.599



Extreme Heat

RANK: 6 / 23 REGIONS ASSESSED
SCORE: 0.596



Wildfire

RANK: 19 / 23 REGIONS ASSESSED
SCORE: 0.000



Malaria

RANK: 10 / 23 REGIONS ASSESSED
SCORE: 0.413



Locust

RANK: 21 / 23 REGIONS ASSESSED
SCORE: 0.036



MULTI-HAZARD RISK (MHR)

4 / 23

 RANK AMONG REGIONS
 SCORE: 0.607

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



@PDC_Global



/PDCGlobal



www.pdc.org



ndpba@pdc.org