

MADAGASCAR

ATSINANANA

NDPBA REGION PROFILE



MADAGASCAR

REGION: ATSINANANA



RISK AND VULNERABILITY COMPONENT SCORES



MULTI-HAZARD RISK (MHR) -

High

Score: 0.544 • Rank: 8/23



RESILIENCE (R)-

High

Score: 0.545 • Rank: 5/23



MULTI-HAZARD EXPOSURE (MHE) -

Very High

Score: 0.722 • Rank: 1/23



VULNERABILITY (V) -

Low

Score: 0.352 • Rank: 18/23



COPING CAPACITY (CC) -

High

Score: 0.441 • Rank: 6/23

REGION HIGHLIGHTS



Population (2018 Census)

1,478,472



Extreme Poverty Rate

34.5%



Household Access to Drinking

Water

44.8%



Literacy Rate

81.4%



Household Access to Electricity

44.8%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 23 REGIONS

SCORE: 0.722

(5)

MHE 0.722

Raw MHE 0.562

Relative MHE 0.882

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise



Buildings Exposed: <1%

Critical Infrastructure Exposed: 1%



Landslide



Buildings Exposed: 47%

Critical Infrastructure Exposed: 23%



Coastal Flooding

1% (10,780)

Buildings Exposed: 1%

Critical Infrastructure Exposed: 1%



Extreme Heat

2% 🚨 (44,400)

Buildings Exposed: 12%

Critical Infrastructure Exposed: 21%



Riverine Flooding

28% (508,000)

Buildings Exposed: 23%

Critical Infrastructure Exposed: 43%



Wildfire

4 <1% (2,950)

Buildings Exposed: 1%

Critical Infrastructure Exposed: 1%



Tsunami

2 7% (136,009)

Buildings Exposed: 3%

Critical Infrastructure Exposed: 6%



Malaria

99% & (1,810,000)

Buildings Exposed: 98%

Critical Infrastructure Exposed: 100%



Tropical Cyclone Wind

100% (1,820,000)

Buildings Exposed: 100%

Critical Infrastructure Exposed: 100%



Locust

Cropland Exposed: 1%



Earthquake

21% (388,000)

Buildings Exposed: 46%

Critical Infrastructure Exposed: **63%**

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

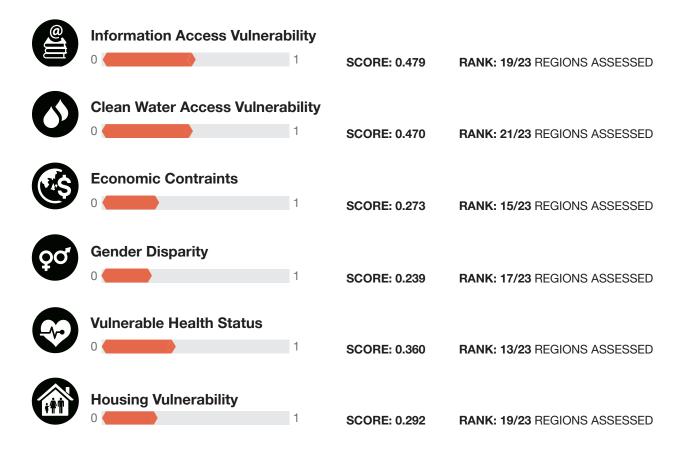


VULNERABILITY (V)

RANK: 18 / 23 REGIONS ASSESSED

SCORE: 0.352

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



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RANK: 18 / 23 REGIONS ASSESSED

SCORE: 0.352

KEY FACTORS INFLUENCING VULNERABILITY



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.



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 improve water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.

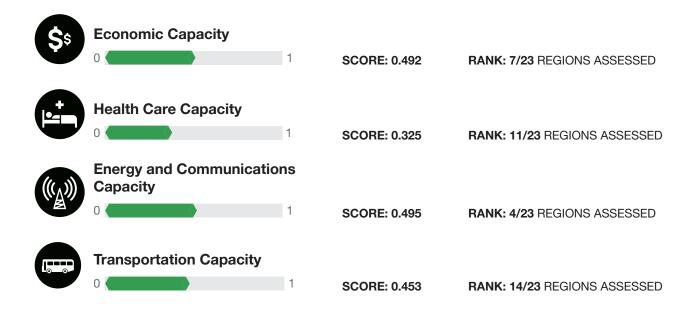


COPING CAPACITY (CC)

RANK: 6 / 23 REGIONS ASSESSED

SCORE: 0.441

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



KEY FACTORS INFLUENCING COPING CAPACITY



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.



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.

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RANK: 5 / 23 REGIONS ASSESSED

SCORE: 0.545

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

KEY FACTORS INFLUENCING RESILIENCE



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.



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.



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.

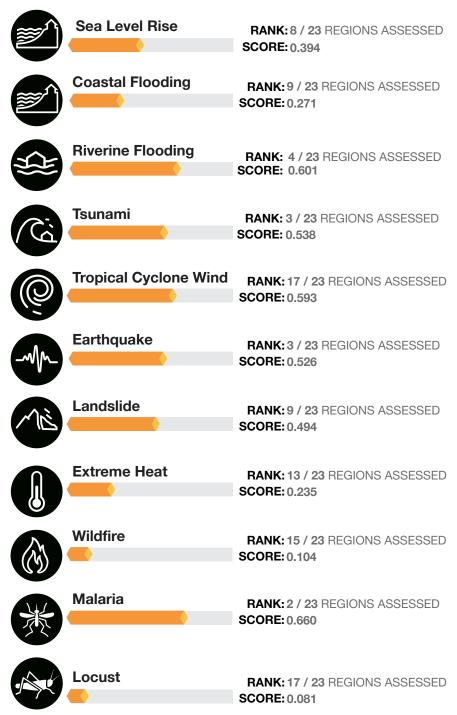


Energy and Communications Capacity

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.



HAZARD-SPECIFIC RISK (HSR)



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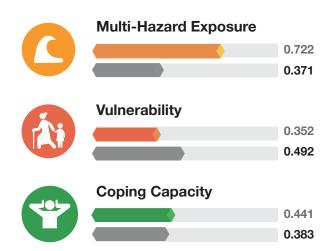
MULTI-HAZARD RISK (MHR)

8 / 23 RANK AMONG REGIONS SCORE: 0.544

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

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

ATSINANANA SCORE





Better solutions. Fewer disasters.

Safer Morld.

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