



MADAGASCAR

ATSIMO ATSINANANA

NDPBA REGION PROFILE

MADAGASCAR

REGION: ATSIMO ATSIANANA



RISK AND VULNERABILITY COMPONENT SCORES



MULTI-HAZARD RISK (MHR) -

Very High

Score: 0.695 • Rank: 1/23



RESILIENCE (R) -

Very Low

Score: 0.228 • Rank: 22/23



MULTI-HAZARD EXPOSURE (MHE) -

Very High

Score: 0.541 • Rank: 4/23



VULNERABILITY (V) -

Very High

Score: 0.774 • Rank: 1/23



COPING CAPACITY (CC) -

Very Low

Score: 0.231 • Rank: 22/23

REGION HIGHLIGHTS



Population (2018 Census)

1,030,404



Extreme Poverty Rate

71.6%



Household Access to Drinking Water

17.7%



Literacy Rate

48.5%



Household Access to Electricity

17.7%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 23 REGIONS

SCORE: 0.541



MHE
0.541

Raw MHE
0.321

Relative MHE
0.762

ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

<1% (1,200)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **1%**



Landslide

23% (120,000)

Buildings Exposed: **30%**

Critical Infrastructure Exposed: **18%**



Coastal Flooding

1% (3,470)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **1%**



Extreme Heat

71% (363,000)

Buildings Exposed: **42%**

Critical Infrastructure Exposed: **46%**



Riverine Flooding

22% (111,000)

Buildings Exposed: **17%**

Critical Infrastructure Exposed: **54%**



Wildfire

1% (5,230)

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **2%**



Tsunami

3% (16,300)

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **5%**



Malaria

93% (480,000)

Buildings Exposed: **95%**

Critical Infrastructure Exposed: **92%**



Tropical Cyclone Wind

100% (514,000)

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: 1 / 23 REGIONS ASSESSED
SCORE: 0.774

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



Information Access Vulnerability



SCORE: 0.800

RANK: 6/23 REGIONS ASSESSED



Clean Water Access Vulnerability



SCORE: 0.884

RANK: 2/23 REGIONS ASSESSED



Economic Constraints



SCORE: 0.940

RANK: 1/23 REGIONS ASSESSED



Gender Disparity



SCORE: 0.766

RANK: 2/23 REGIONS ASSESSED



Vulnerable Health Status



SCORE: 0.440

RANK: 9/23 REGIONS ASSESSED



Housing Vulnerability



SCORE: 0.818

RANK: 2/23 REGIONS ASSESSED



VULNERABILITY (V)

RANK: 1 / 23 REGIONS ASSESSED

SCORE: 0.774

KEY FACTORS INFLUENCING VULNERABILITY



Economic Constraints

Economic constraints have individual, household, community, and region-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit the ability to facilitate short- and long-term recovery.



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.



COPING CAPACITY (CC)

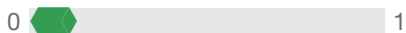
RANK: 22 / 23 REGIONS ASSESSED

SCORE: 0.231

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



Economic Capacity

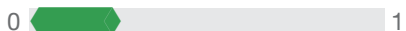


SCORE: 0.092

RANK: 21/23 REGIONS ASSESSED



Health Care Capacity

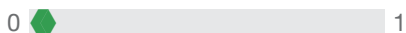


SCORE: 0.204

RANK: 19/23 REGIONS ASSESSED



Energy and Communications Capacity



SCORE: 0.030

RANK: 23/23 REGIONS ASSESSED



Transportation Capacity



SCORE: 0.595

RANK: 6/23 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.



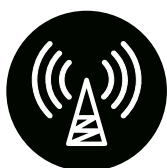
RESILIENCE (R)

RANK: 22 / 23 REGIONS ASSESSED

SCORE: 0.228

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

KEY FACTORS INFLUENCING RESILIENCE



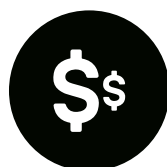
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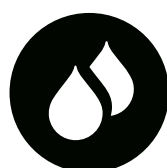
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HAZARD-SPECIFIC RISK (HSR)



Sea Level Rise

RANK: 9 / 23 REGIONS ASSESSED
SCORE: 0.313



Coastal Flooding

RANK: 10 / 23 REGIONS ASSESSED
SCORE: 0.258



Riverine Flooding

RANK: 1 / 23 REGIONS ASSESSED
SCORE: 0.706



Tsunami

RANK: 5 / 23 REGIONS ASSESSED
SCORE: 0.479



Tropical Cyclone Wind

RANK: 2 / 23 REGIONS ASSESSED
SCORE: 0.756



Earthquake

RANK: 7 / 23 REGIONS ASSESSED
SCORE: 0.000



Landslide

RANK: 11 / 23 REGIONS ASSESSED
SCORE: 0.478



Extreme Heat

RANK: 5 / 23 REGIONS ASSESSED
SCORE: 0.610



Wildfire

RANK: 9 / 23 REGIONS ASSESSED
SCORE: 0.211



Malaria

RANK: 1 / 23 REGIONS ASSESSED
SCORE: 0.774



Locust

RANK: 18 / 23 REGIONS ASSESSED
SCORE: 0.077






MULTI-HAZARD RISK (MHR)

1 / 23

 RANK AMONG REGIONS
 SCORE: 0.695

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



Multi-Hazard Exposure



Vulnerability



Coping Capacity



**Better solutions.
Fewer disasters.**

Safer world.

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