



**MADAGASCAR**

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**ANDROY**

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**NDPBA REGION PROFILE**

# MADAGASCAR

## REGION: ANDROY



### RISK AND VULNERABILITY COMPONENT SCORES



#### MULTI-HAZARD RISK (MHR) -

**High**  
Score: 0.581 • Rank: 7/23



#### RESILIENCE (R) -

**Very Low**  
Score: 0.205 • Rank: 23/23



#### MULTI-HAZARD EXPOSURE (MHE) -

**Very Low**  
Score: 0.154 • Rank: 20/23



#### VULNERABILITY (V) -

**Very High**  
Score: 0.760 • Rank: 2/23



#### COPING CAPACITY (CC) -

**Very Low**  
Score: 0.171 • Rank: 23/23

### REGION HIGHLIGHTS



Population (2018 Census)  
**900,235**



Extreme Poverty Rate  
**90.7%**



Household Access to Drinking Water  
**23.7%**



Literacy Rate  
**38.1%**



Household Access to Electricity  
**23.7%**



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 20 / 23 REGIONS

SCORE: 0.154



MHE  
0.154

Raw MHE  
0.201

Relative MHE  
0.107

### ESTIMATED EXPOSURE TO EACH HAZARD:



#### Sea Level Rise

**0%** (0)

Buildings Exposed: <1%

Critical Infrastructure Exposed: <1%



#### Landslide

**1%** (25,900)

Buildings Exposed: 1%

Critical Infrastructure Exposed: 1%



#### Coastal Flooding

**<1%** (2)

Buildings Exposed: <1%

Critical Infrastructure Exposed: 0%



#### Extreme Heat

**34%** (738,000)

Buildings Exposed: 44%

Critical Infrastructure Exposed: 29%



#### Riverine Flooding

**<1%** (2,310)

Buildings Exposed: <1%

Critical Infrastructure Exposed: 2%



#### Wildfire

**0%** (0)

Buildings Exposed: 0%

Critical Infrastructure Exposed: 0%



#### Tsunami

**<1%** (148)

Buildings Exposed: <1%

Critical Infrastructure Exposed: 0%



#### Malaria

**4%** (86,300)

Buildings Exposed: 4%

Critical Infrastructure Exposed: 0%



#### Tropical Cyclone Wind

**100%** (2,180,000)

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: 2 / 23 REGIONS ASSESSED**  
**SCORE: 0.760**

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



### Information Access Vulnerability



SCORE: 0.978

RANK: 1/23 REGIONS ASSESSED



### Clean Water Access Vulnerability



SCORE: 0.918

RANK: 1/23 REGIONS ASSESSED



### Economic Constraints

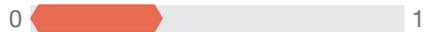


SCORE: 0.834

RANK: 2/23 REGIONS ASSESSED



### Gender Disparity



SCORE: 0.331

RANK: 11/23 REGIONS ASSESSED



### Vulnerable Health Status

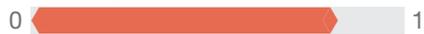


SCORE: 0.612

RANK: 4/23 REGIONS ASSESSED



### Housing Vulnerability



SCORE: 0.889

RANK: 1/23 REGIONS ASSESSED



## VULNERABILITY (V)

RANK: 2 / 23 REGIONS ASSESSED

SCORE: 0.760

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



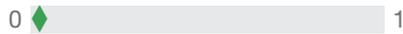
## COPING CAPACITY (CC)

**RANK: 23 / 23 REGIONS ASSESSED**  
**SCORE: 0.171**

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



### Economic Capacity

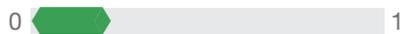


SCORE: 0.000

RANK: 23/23 REGIONS ASSESSED



### Health Care Capacity

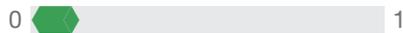


SCORE: 0.174

RANK: 23/23 REGIONS ASSESSED



### Energy and Communications Capacity



SCORE: 0.094

RANK: 21/23 REGIONS ASSESSED



### Transportation Capacity



SCORE: 0.416

RANK: 17/23 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.



### 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.



## RESILIENCE (R)

RANK: 23 / 23 REGIONS ASSESSED

SCORE: 0.205

Key drivers of Resilience within Androy 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.



#### 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

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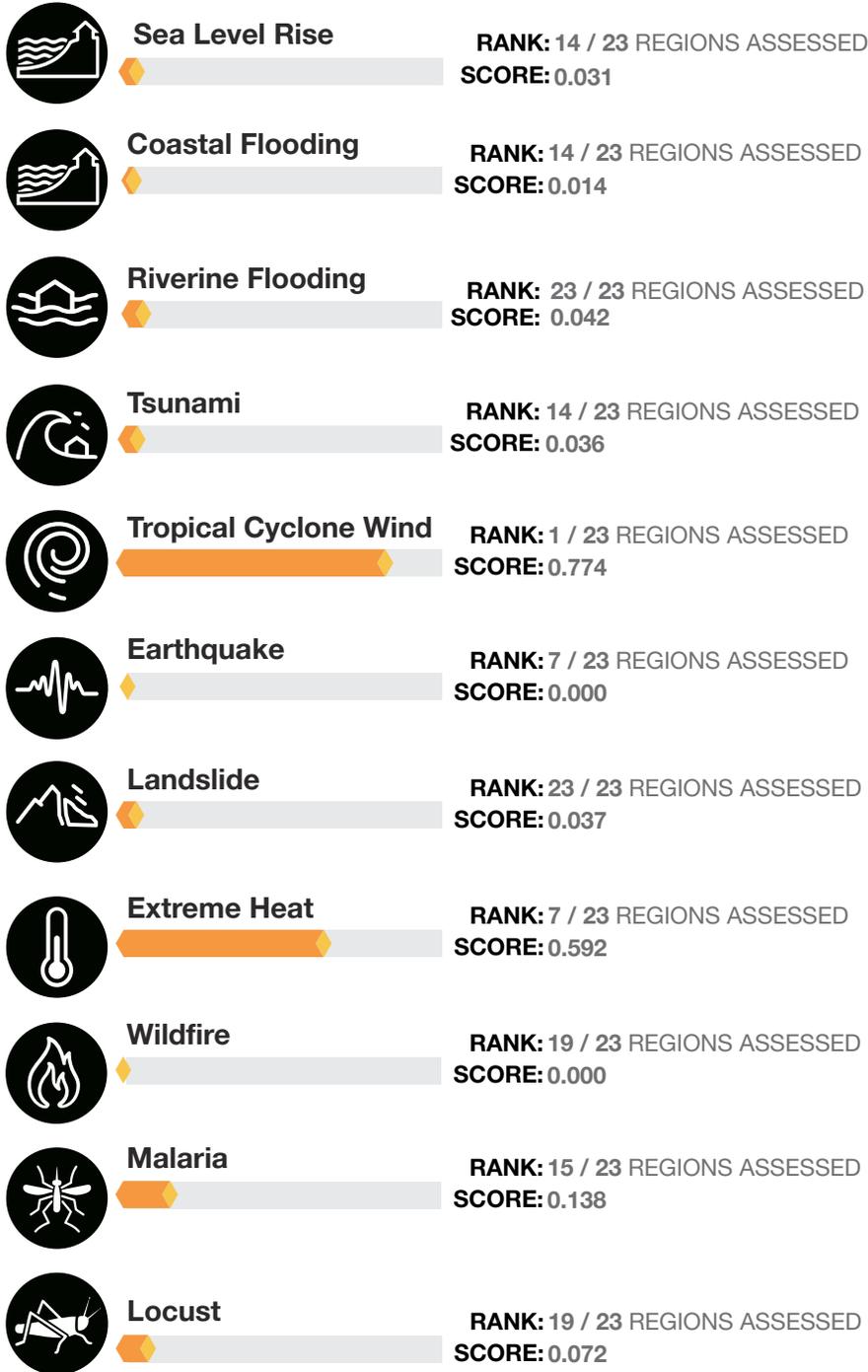


#### Energy and Communications Capacity

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## HAZARD-SPECIFIC RISK (HSR)





## MULTI-HAZARD RISK (MHR)

**7 / 23**

RANK AMONG REGIONS  
SCORE: 0.581



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

 ANDROY SCORE



### Multi-Hazard Exposure



### Vulnerability



### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

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