

MADAGASCAR
DIANA

# **NDPBA REGION PROFILE**



## **MADAGASCAR**

## **REGION: DIANA**



# RISK AND VULNERABILITY COMPONENT SCORES



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

**Very Low** 

Score: 0.34 • Rank: 22/23



## **RESILIENCE (R)-**

**Very High** 

Score: 0.686 • Rank: 2/23



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

Low

Score: 0.391 • Rank: 14/23



#### **VULNERABILITY (V) -**

**Very Low** 

Score: 0.213 • Rank: 22/23



#### **COPING CAPACITY (CC) -**

**Very High** 

Score: 0.584 • Rank: 2/23

#### **REGION HIGHLIGHTS**



Population (2018 Census)

889,962



**Extreme Poverty Rate** 

32.5%



**Household Access to Drinking** 

Water

55.2%



**Literacy Rate** 

83.2%



**Household Access to Electricity** 

55.2%



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

**RANK: 14 / 23 REGIONS** 

**SCORE: 0.391** 



**MHE** 0.391

**Raw MHE** 0.196

**Relative MHE** 0.586

#### **ESTIMATED EXPOSURE TO EACH HAZARD:**



Sea Level Rise



**4** 1% (3,610)

Buildings Exposed: 1%

Critical Infrastructure Exposed: 8%



Landslide



Buildings Exposed: 26%

Critical Infrastructure Exposed: 22%



**Coastal Flooding** 



**4%** (21,200)

Buildings Exposed: 6%

Critical Infrastructure Exposed: 15%



**Extreme Heat** 

**58% (305,000)** 

Buildings Exposed: 70%

Critical Infrastructure Exposed: 80%



**Riverine Flooding** 



**9%** (45,900)

Buildings Exposed: 11%

Critical Infrastructure Exposed: 17%



Wildfire



Buildings Exposed: <1%

Critical Infrastructure Exposed: 1%



**Tsunami** 



<1% (488)

Buildings Exposed: <1%

Critical Infrastructure Exposed: 5%



Malaria

**23% &** (119,000)



Buildings Exposed: 35%

Critical Infrastructure Exposed: 32%



**Tropical Cyclone Wind** 



**100%** (526,000)

Buildings Exposed: 100%

Critical Infrastructure Exposed: 100%



Locust

Cropland Exposed: 2%



Earthquake



**2** 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.

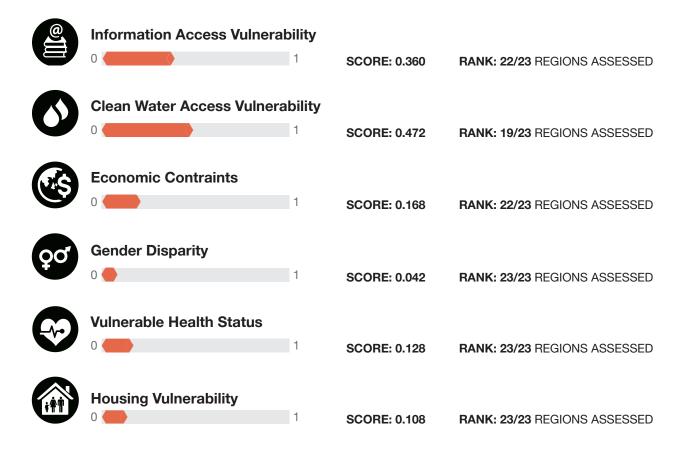


# **VULNERABILITY (V)**

**RANK: 22 / 23 REGIONS ASSESSED** 

**SCORE: 0.213** 

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



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**RANK: 22 / 23 REGIONS ASSESSED** 

**SCORE: 0.213** 

#### **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.

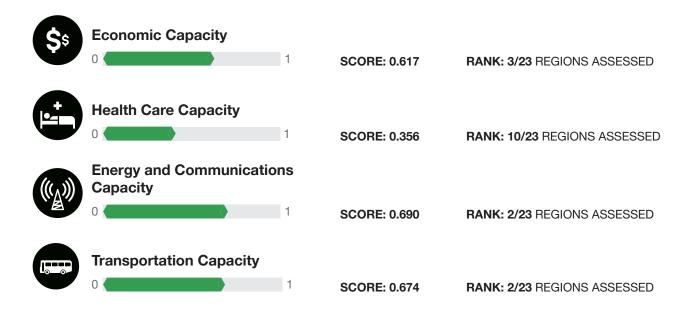


# **COPING CAPACITY (CC)**

**RANK: 2 / 23 REGIONS ASSESSED** 

**SCORE: 0.584** 

Below is a summary of the regional Coping Capacity Assessment within Diana. 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.



# **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.

126 PDC Global www.pdc.org



**RANK: 2 / 23 REGIONS ASSESSED** 

**SCORE: 0.686** 

Key drivers of Resilience within Diana 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: 5 / 23 REGIONS ASSESSED SCORE: 0.480
	Coastal Flooding	RANK: 5 / 23 REGIONS ASSESSED SCORE: 0.511
	Riverine Flooding	RANK: 12 / 23 REGIONS ASSESSED SCORE: 0.281
Ca.	Tsunami	RANK: 10 / 23 REGIONS ASSESSED SCORE: 0.134
	Tropical Cyclone Wind	RANK: 22 / 23 REGIONS ASSESSED SCORE: 0.475
-1/1	Earthquake ♦	RANK: 7 / 23 REGIONS ASSESSED SCORE: 0.000
MÈ	Landslide	RANK: 17 / 23 REGIONS ASSESSED SCORE: 0.307
	Extreme Heat	RANK: 10 / 23 REGIONS ASSESSED SCORE: 0.441
	Wildfire	RANK: 17 / 23 REGIONS ASSESSED SCORE: 0.059
淡	Malaria	RANK: 12 / 23 REGIONS ASSESSED SCORE: 0.277
	Locust	RANK: 16 / 23 REGIONS ASSESSED SCORE: 0.088

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

22 / 23
RANK AMONG REGIONS
SCORE: 0.34

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

Multi-Hazard Exposure

0.391
0.371

Vulnerability

0.213
0.492

Coping Capacity

0.584
0.383



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