



MADAGASCAR

ITASY

NDPBA REGION PROFILE

MADAGASCAR

REGION: ITASY



RISK AND VULNERABILITY COMPONENT SCORES



MULTI-HAZARD RISK (MHR) -

Very Low

Score: 0.357 • Rank: 21/23



RESILIENCE (R) -

High

Score: 0.524 • Rank: 8/23



MULTI-HAZARD EXPOSURE (MHE) -

Very Low

Score: 0.117 • Rank: 21/23



VULNERABILITY (V) -

Very Low

Score: 0.346 • Rank: 19/23



COPING CAPACITY (CC) -

Moderate

Score: 0.393 • Rank: 9/23

REGION HIGHLIGHTS



Population (2018 Census)

898,549



Extreme Poverty Rate

63.2%



Household Access to Drinking Water

59.7%



Literacy Rate

89.0%



Household Access to Electricity

59.7%



MULTI-HAZARD EXPOSURE (MHE)

RANK: 21 / 23 REGIONS

SCORE: 0.117



ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Landslide

46% (99,200)

Buildings Exposed: **44%**

Critical Infrastructure Exposed: **45%**



Coastal Flooding

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Extreme Heat

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Riverine Flooding

<1% (1,020)

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **14%**



Wildfire

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Tsunami

0% (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Malaria

<1% (695)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **0%**



Tropical Cyclone Wind

100% (215,000)

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Locust

Cropland Exposed: **100%**



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: 19 / 23 REGIONS ASSESSED
SCORE: 0.346

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



Information Access Vulnerability



SCORE: 0.490

RANK: 16/23 REGIONS ASSESSED



Clean Water Access Vulnerability



SCORE: 0.471

RANK: 20/23 REGIONS ASSESSED



Economic Constraints

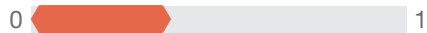


SCORE: 0.197

RANK: 20/23 REGIONS ASSESSED



Gender Disparity

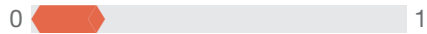


SCORE: 0.350

RANK: 10/23 REGIONS ASSESSED



Vulnerable Health Status

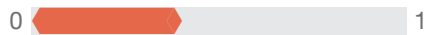


SCORE: 0.155

RANK: 22/23 REGIONS ASSESSED



Housing Vulnerability



SCORE: 0.409

RANK: 18/23 REGIONS ASSESSED



VULNERABILITY (V)

RANK: 19 / 23 REGIONS ASSESSED

SCORE: 0.346

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.



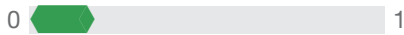
COPING CAPACITY (CC)

RANK: 9 / 23 REGIONS ASSESSED
SCORE: 0.393

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



Economic Capacity



SCORE: 0.145

RANK: 19/23 REGIONS ASSESSED



Health Care Capacity



SCORE: 0.515

RANK: 6/23 REGIONS ASSESSED



Energy and Communications Capacity

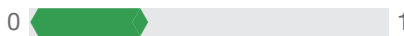


SCORE: 0.610

RANK: 3/23 REGIONS ASSESSED



Transportation Capacity



SCORE: 0.301

RANK: 20/23 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.



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.



RESILIENCE (R)

RANK: 8 / 23 REGIONS ASSESSED

SCORE: 0.524

Key drivers of Resilience within Itasy 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.



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.



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.



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.



HAZARD-SPECIFIC RISK (HSR)



Sea Level Rise

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000



Coastal Flooding

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000



Riverine Flooding

RANK: 16 / 23 REGIONS ASSESSED
SCORE: 0.202



Tsunami

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000



Tropical Cyclone Wind

RANK: 19 / 23 REGIONS ASSESSED
SCORE: 0.579



Earthquake

RANK: 7 / 23 REGIONS ASSESSED
SCORE: 0.000



Landslide

RANK: 7 / 23 REGIONS ASSESSED
SCORE: 0.513



Extreme Heat

RANK: 20 / 23 REGIONS ASSESSED
SCORE: 0.000



Wildfire

RANK: 19 / 23 REGIONS ASSESSED
SCORE: 0.000



Malaria

RANK: 21 / 23 REGIONS ASSESSED
SCORE: 0.023



Locust

RANK: 4 / 23 REGIONS ASSESSED
SCORE: 0.690



MULTI-HAZARD RISK (MHR)

21 / 23

RANK AMONG REGIONS
SCORE: 0.357

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

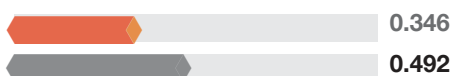
— COUNTRY SCORE
— ITASY SCORE



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