



**Pacific Disaster Center**  
*Area Brief: General  
Executive Summary*

HONOLULU  
06:11:42  
18 Feb 2018

WASH.D.C.  
11:11:42  
18 Feb 2018

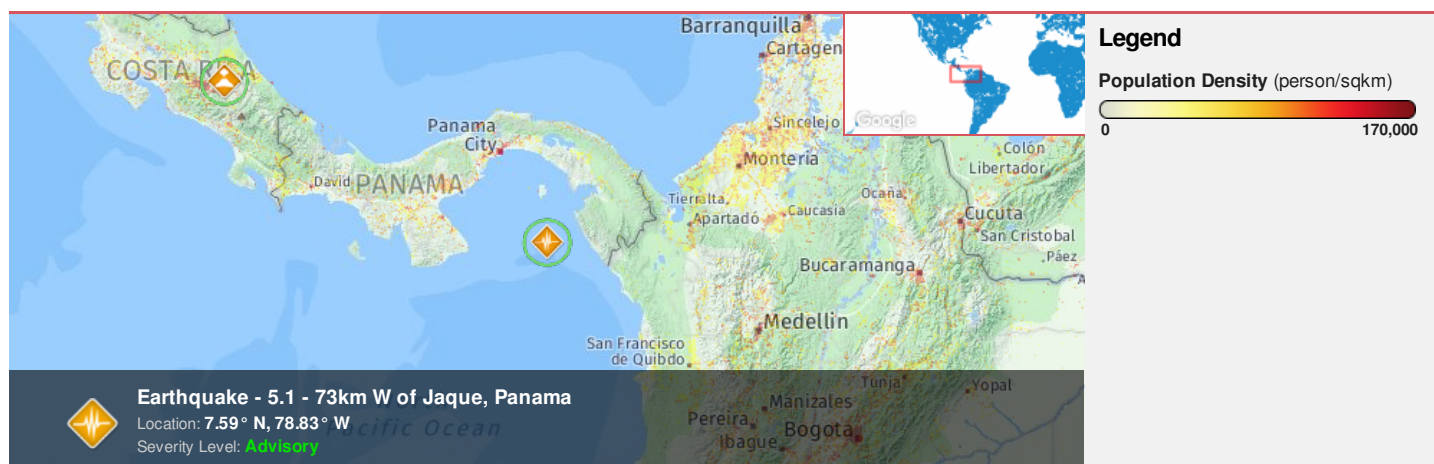
PANAMA  
11:11:42  
18 Feb 2018

ZULU  
16:11:42  
18 Feb 2018

NAIROBI  
19:11:42  
18 Feb 2018

BANGKOK  
23:11:42  
18 Feb 2018

**Region Selected »** Lower Left Latitude/Longitude: 4.5856 N° , -81.8312 E°  
Upper Right Latitude/Longitude: 10.5856 N° , -75.8312 E°



### Situational Awareness

Additional information and analysis is available for Disaster Management Professionals. If you are a Disaster Management Professional and would like to apply for access, please [register here](#). Validation of registration information may take 24-48 hours.

## Current Hazards:

### Recent Earthquakes

Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long
		18-Feb-2018 15:13:26	5.1	10	73km W of Jaque, Panama	7.59° N / 78.83° W

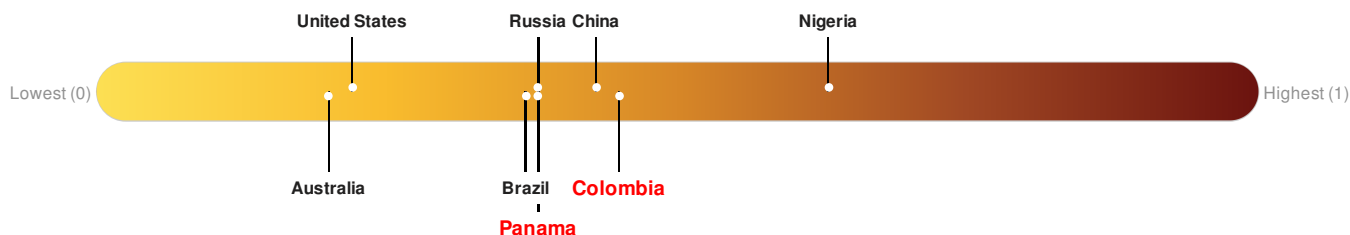
Source: [PDC](#)

## Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

**Colombia** ranks **71** out of **165** countries assessed for Lack of Resilience. Colombia is less resilient than 57% of countries assessed. This indicates that Colombia has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.

**Panama** ranks **99** out of **165** countries assessed for Lack of Resilience. Panama is less resilient than 40% of countries assessed. This indicates that Panama has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.



Source: [PDC](#)

### Regional Overview

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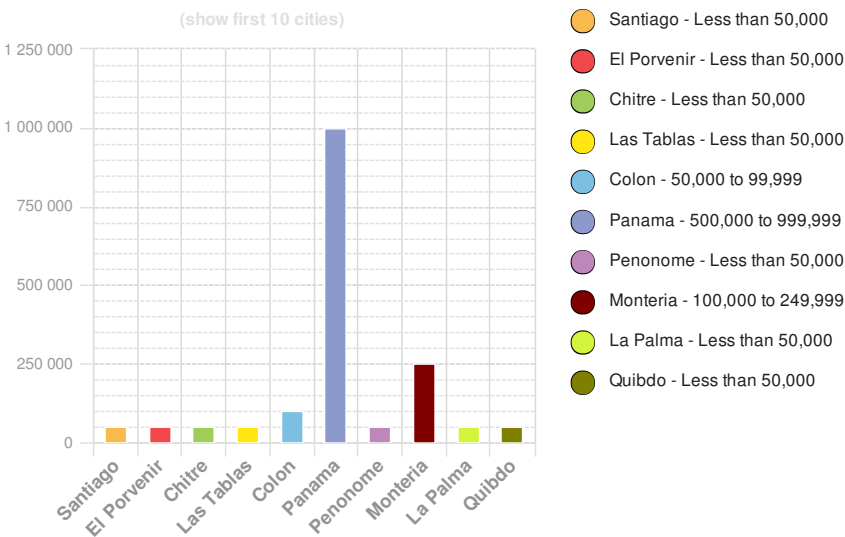
Population Data:

2011

Total: 5, 101, 600  
Max Density: 58, 642(ppl/km<sup>2</sup>)

Source: [iSciences](#)

Populated Areas:



Risk & Vulnerability

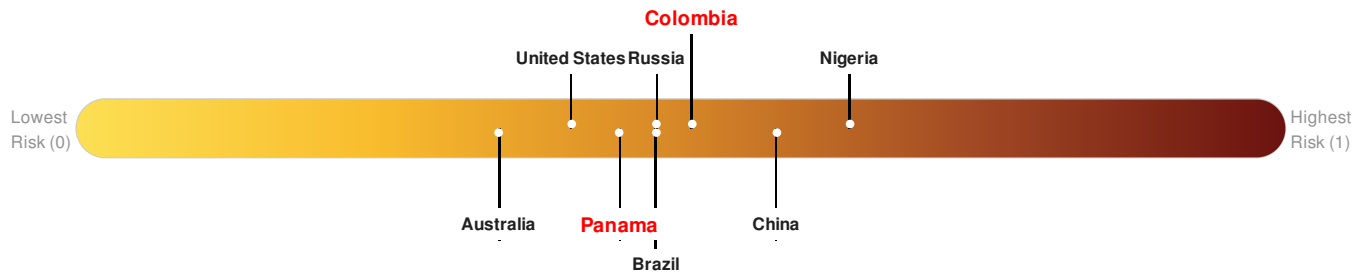
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Multi Hazard Risk Index:

The Multi Hazard Risk index assesses the likelihood of losses or disruptions to a country's normal function due to the interaction between exposure to multiple hazards (tropical cyclone winds, earthquake, flood and tsunami), socioeconomic vulnerability, and coping capacity

Multi-Hazard Exposure **Colombia** ranks **73** out of **165** countries assessed for Multi Hazard Risk. Colombia has a Multi Hazard Risk higher than 56% of countries assessed. This indicates that Colombia has more likelihood of loss and/or disruption to normal function if exposed to a hazard.

Multi-Hazard Exposure **Panama** ranks **108** out of **165** countries assessed for Multi Hazard Risk. Panama has a Multi Hazard Risk higher than 35% of countries assessed. This indicates that Panama has less likelihood of loss and/or disruption to normal function if exposed to a hazard.



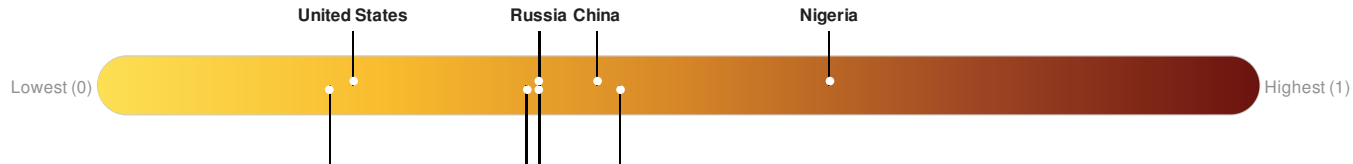
Source: [PDC](#)

Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

**Colombia** ranks **71** out of **165** countries assessed for Lack of Resilience. Colombia is less resilient than 57% of countries assessed. This indicates that Colombia has medium susceptibility to negative impacts, and is more able to respond to and recover from a disruption to normal function.

**Panama** ranks **99** out of **165** countries assessed for Lack of Resilience. Panama is less resilient than 40% of countries assessed. This indicates that Panama has low susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.



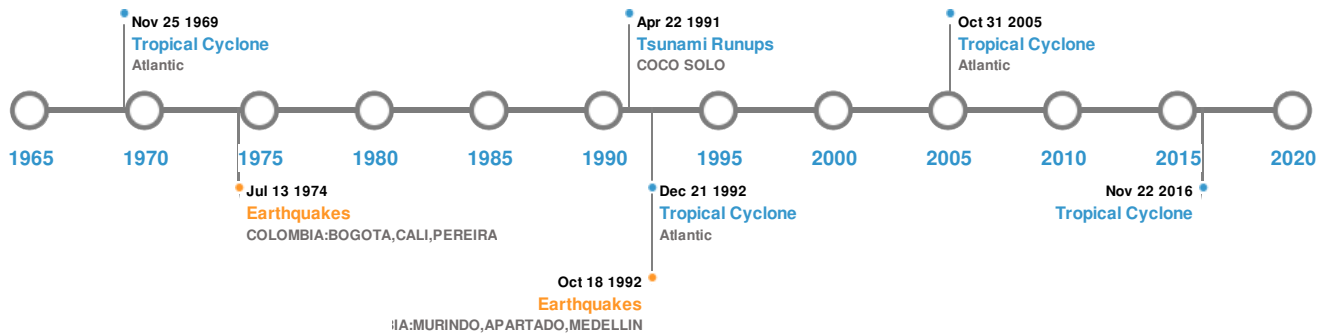
Australia  
Brazil Colombia  
Panama

Source: [PDC](#)

## Historical Hazards

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### Historical Hazards:



### Earthquakes:

#### 5 Largest Earthquakes (Resulting in significant damage or deaths)




Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	07-Sep-1882 00:08:00	8.00	40	COLOMBIA	7.3° N / 77.8° W
	07-Sep-1882 00:07:00	7.90	-	PANAMA: SAN BLAS ARCHIPELAGO	9.5° N / 78.9° W
	20-Jan-1904 00:14:00	7.80	60	COLOMBIA	7° N / 79° W
	18-Oct-1992 00:15:00	7.40	10	COLOMBIA: MURINDO, APARTADO, MEDELLIN	7.07° N / 76.86° W
	13-Jul-1974 00:01:00	7.30	12	COLOMBIA: BOGOTA, CALI, PEREIRA	7.75° N / 77.69° W

Source: [Earthquakes](#)

### Tsunami Runups:




#### 5 Largest Tsunami Runups

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	07-Sep-1882 00:00:00	PANAMA	3	100	SAN BLAS ARCHIPELAGO	9.53° N / 78.92° W
	25-Apr-1916 00:00:00	PANAMA	1.3	-	CAREENING CAY	9.33° N / 81.75° W

Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	22-Apr-1991 00:00:00	PANAMA	0.76	-	COCO SOLO	9.37° N / 79.88° W
	31-Jan-1906 00:00:00	PANAMA	0.7	-	NAOS IS, CANAL ZONE, PACIFIC COAST	8.92° N / 79.53° W
	07-Sep-1882 00:00:00	PANAMA	0.62	-	COLON	9.36° N / 79.9° W

Source: [Tsunamis](#)

Tropical Cyclones:

5 Largest Tropical Cyclones						
Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
	BETA	27-Oct-2005 00:00:00 - 31-Oct-2005 00:00:00	115	962	Atlantic	11.6° N / 82.9° W
	GERT	15-Sep-1993 00:00:00 - 21-Sep-1993 18:00:00	98	970	Atlantic	15.48° N / 92.7° W
	UNNAMED	19-May-1940 18:00:00 - 26-Oct-1940 06:00:00	98	No Data	Atlantic	30.31° N / 66.2° W
	MARTHA	22-Nov-1969 18:00:00 - 25-Nov-1969 12:00:00	86	No Data	Atlantic	8.96° N / 81.5° W
	OTTO	22-Nov-2016 15:00:00 - 22-Nov-2016 21:00:00	75	984	-	10.43° N / 79.47° W

Source: [Tropical Cyclones](#)

Disclosures

\* As defined by the source ([Dartmouth Flood Observatory](#), University of Colorado), Flood Magnitude = LOG(Duration x Severity x Affected Area). Severity classes are based on estimated recurrence intervals and other criteria.

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