



Pacific Disaster Center
*Area Brief: General
 Executive Summary*

HONOLULU
23:43:13
 19 Sep 2018

GUATEMALA
03:43:13
 20 Sep 2018

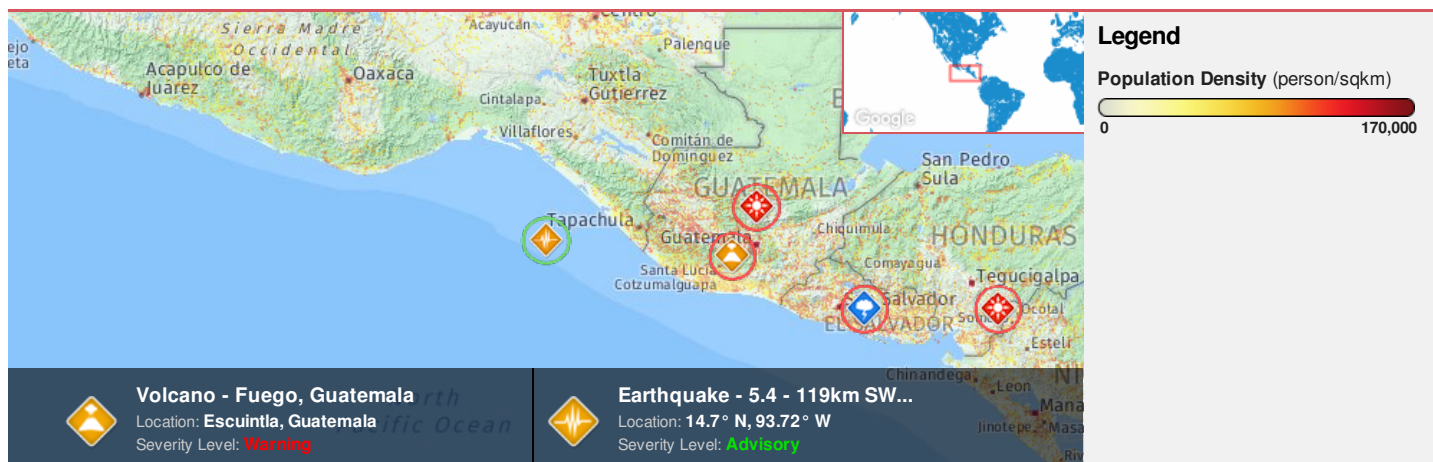
WASH.D.C.
05:43:13
 20 Sep 2018

ZULU
09:43:13
 20 Sep 2018

NAIROBI
12:43:13
 20 Sep 2018

BANGKOK
16:43:13
 20 Sep 2018

Region Selected » Lower Left Latitude/Longitude: 11.6986 N° , -96.7185 E°
 Upper Right Latitude/Longitude: 17.6986 N° , -90.7185 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
		20-Sep-2018 09:42:44	5.4	10	119km SW of Mapastepec, Mexico	14.7° N / 93.72° W

Active Volcanoes

Event	Severity	Last Updated (UTC)	Name	Region	Primary Observatory	Activity	More Information	Lat/Long
		15-Oct-2009 00:04:54	Volcano - Fuego, Guatemala	-	-	-	-	14.47° N / 90.87° W

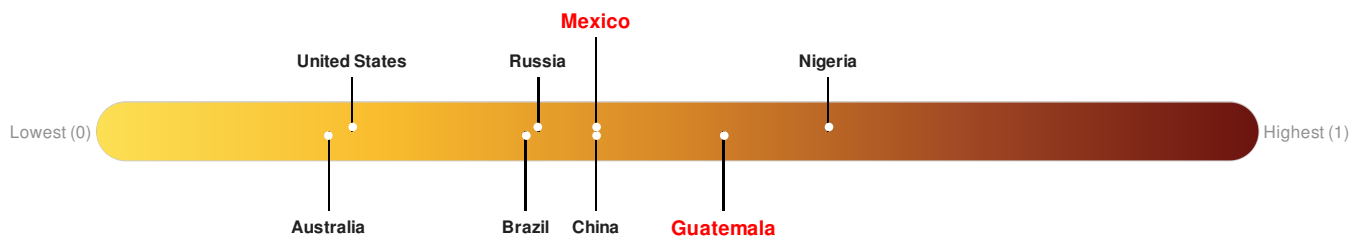
Source: [PDC](#)

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.

Guatemala ranks **44** out of **164** countries assessed for Lack of Resilience. Guatemala is less resilient than 74% of countries assessed. This indicates that Guatemala has medium susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.

Mexico ranks **82** out of **164** countries assessed for Lack of Resilience. Mexico is less resilient than 50% of countries assessed. This indicates that Mexico has medium 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:

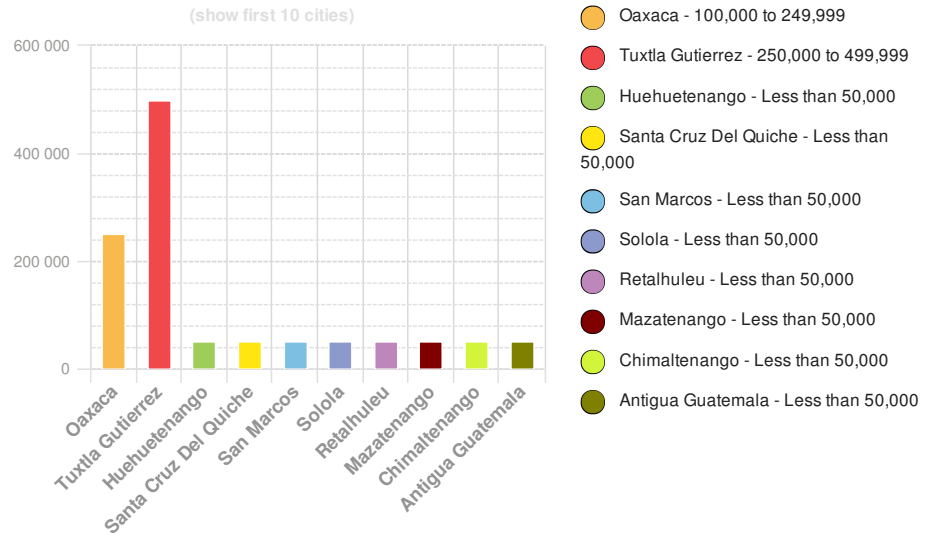
2011

Total: 12, 222, 502

Max Density: 49, 251 (ppl/km²)

Source: [iSciences](#)

Populated Areas:



Risk & Vulnerability

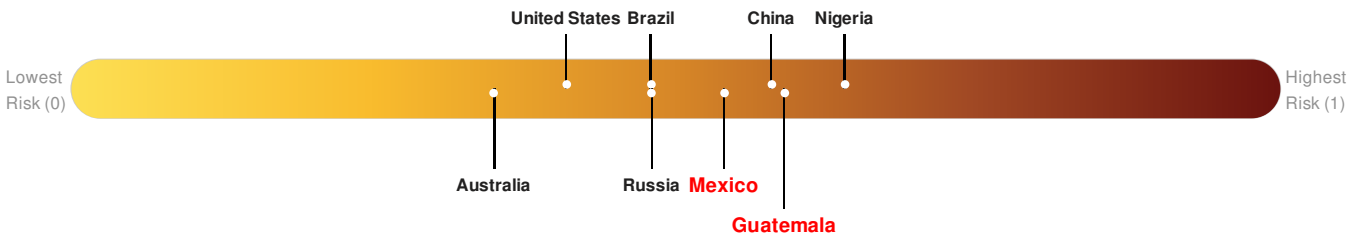
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Multi Hazard Risk Index:

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 tsunamis), socioeconomic vulnerability, and coping capacity

Guatemala ranks 17 out of 164 countries assessed for Multi Hazard Risk. Guatemala has a Multi Hazard Risk higher than 83% of countries assessed. This indicates that Guatemala has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.

Mexico ranks 32 out of 164 countries assessed for Multi Hazard Risk. Mexico has a Multi Hazard Risk higher than 68% of countries assessed. This indicates that Mexico has a medium likelihood of loss and/or disruption to normal function if exposed to a hazard.



Source: [PDC](#)

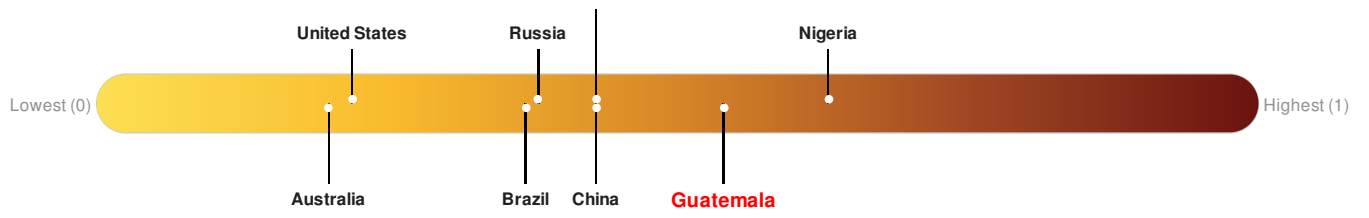
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Mexico ranks 82 out of 164 countries assessed for Lack of Resilience. Mexico is less resilient than 50% of countries assessed. This indicates that Mexico has medium susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.

Mexico

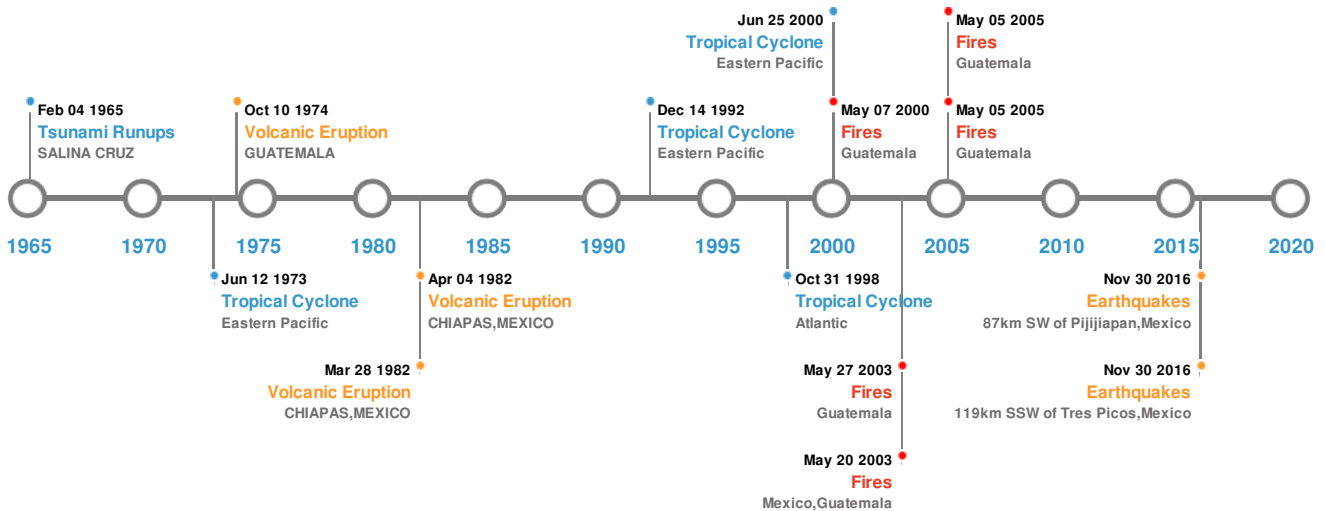


Source: [PDC](#)

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
	23-Sep-1902 00:20:00	8.40	100	MEXICO: VENUSTIANO CARRANZA, CHIAPAS, CHIS, TABASCO	16.6° N / 92.6° W
	08-Sep-2017 04:49:21	8.10	69.65	87km SW of Pijijiapan, Mexico	15.07° N / 93.72° W
	08-Sep-2017 04:49:17	8.00	33	119km SSW of Tres Picos, Mexico	14.9° N / 94.03° W
	06-Aug-1942 00:23:00	7.90	50	GUATEMALA: NEAR S COAST	14° N / 91° W
	23-Aug-1965 00:19:00	7.80	28	MEXICO: OAXACA	16.3° N / 95.8° W

Source: [Earthquakes](#)

Volcanic Eruptions:






5 Largest Volcanic Eruptions (Last updated in 2000)

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	SANTA MARIA	24-Oct-1902 00:00:00	6.00	GUATEMALA	14.76° N / 91.55° W
	EL CHICHON	04-Apr-1982 00:00:00	4.00	CHIAPAS, MEXICO	17.3° N / 93.22° W

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long
	EL CHICHON	28-Mar-1982 00:00:00	4.00	CHIAPAS, MEXICO	17.3° N / 93.22° W
	FUEGO	10-Oct-1974 00:00:00	4.00	GUATEMALA	14.47° N / 90.88° W
	FUEGO	21-Jan-1932 00:00:00	4.00	GUATEMALA	14.47° N / 90.88° W






Source: [Volcanoes](#)

Tsunami Runups:

5 Largest Tsunami Runups						
Event	Date (UTC)	Country	Runup (m)	Deaths	Location	Lat/Long
	03-Apr-1787 00:00:00	MEXICO	4	-	POCHUTLA	15.73° N / 96.47° W
	22-May-1960 04:56:00	MEXICO	0.79	-	SALINA CRUZ	16.17° N / 95.2° W
	04-Nov-1952 06:40:00	MEXICO	0.6	-	SALINA CRUZ	16.17° N / 95.2° W
	04-Feb-1965 00:00:00	MEXICO	0.5	-	SALINA CRUZ	16.17° N / 95.2° W
	13-Oct-1963 00:00:00	MEXICO	0.5	-	SALINA CRUZ	16.17° N / 95.2° W

Source: [Tsunamis](#)

Wildfires:

5 Largest Wildfires				
Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long
	11-Feb-2003 00:00:00 - 27-May-2003 00:00:00	188.60	Guatemala	16.82° N / 90.5° W
	04-Mar-2003 00:00:00 - 20-May-2003 00:00:00	118.80	Mexico,Guatemala	17.13° N / 90.77° W
	29-Mar-2000 00:00:00 - 07-May-2000 00:00:00	67.90	Guatemala	17.12° N / 90.55° W
	11-Mar-2005 00:00:00 - 05-May-2005 00:00:00	66.10	Guatemala	16.74° N / 90.65° W
	18-Feb-2005 00:00:00 - 05-May-2005 00:00:00	53.70	Guatemala	16.93° N / 90.75° W

Source: [Wildfires](#)

Tropical Cyclones:

5 Largest Tropical Cyclones						
Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long

Event	Name	Start/End Date (UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long
		22-Oct-1998 06:00:00 - 09-Nov-1998 18:00:00				37.16° N / 112.5° W
	AVA	02-Jun-1973 06:00:00 - 12-Jun-1973 12:00:00	161	No Data	Eastern Pacific	13.79° N / 112.55° W
	CARLOTTA	19-Jun-2000 00:00:00 - 25-Jun-2000 06:00:00	155	932	Eastern Pacific	17.77° N / 105.65° W
	LIDIA	08-Sep-1993 18:00:00 - 14-Sep-1993 06:00:00	150	930	Eastern Pacific	20.08° N / 102.3° W
	UNNAMED	21-Aug-1949 12:00:00 - 05-Nov-1949 00:00:00	150	No Data	Atlantic	35.8° N / 61.95° 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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