Pacific Disaster Center	HONOLULU	HERMOSILLO	WASH.D.C.	ZULU	NAIROBI	BANGKOK
Area Brief: General	16:40:45	19:40:45	22:40:45	02:40:45	05:40:45	09:40:45
Executive Summary	19 Sep 2018	19 Sep 2018	19 Sep 2018	20 Sep 2018	20 Sep 2018	

Region Selected » Lower Left Latitude/Longitude: 24.3 N°, -113.5 E°. Upper Right Latitude/Longitude: 30.3 N°, -107.5 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.

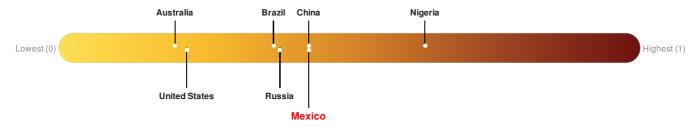
### **Current Hazards:**

Active Trop	pical Cyclone	Wind Speed	Wind Gusts (mph)	Heading	Track Speed (mph)	Advisory Num	Status	Pressure (mb)	Lat/Long
۵	Tropical De Ninete	29	40	NNE	7	3	Tropical Depression	1002 mb	27.3° N / 110.5° W

### 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.

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: <u>PDC</u>



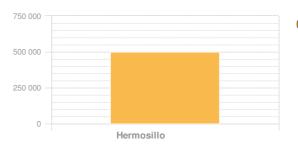
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### **Population Data:**

Total: 3, 469, 304

Max Density: 20, 786(ppl/km<sup>2</sup>)

### **Populated Areas:**



Hermosillo - 250,000 to 499,999

Source: iSciences

2011

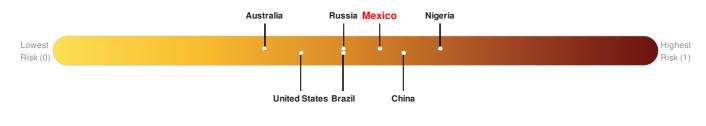
#### **Risk & Vulnerability**

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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

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.

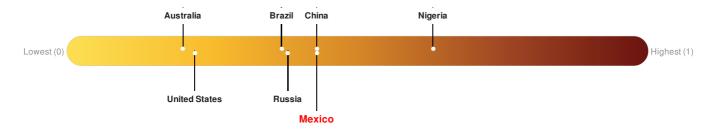


Source: PDC

#### 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.

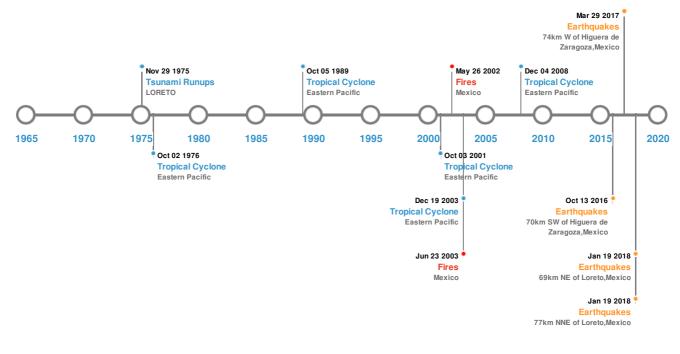
Mexico ranks 82 out of 164 countries assessed for Lack of Resilience. Mexico is less resilient than 50% of countries assessed. This indicates that Mexico has medium susceptibility to negative impacts, and is less able to respond to and recover from a disruption to normal function.



Source: PDC

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#### **Historical Hazards:**



#### **Earthquakes:**

vent	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long
	16-Oct-1907 00:14:00	7.70	60	MEXICO: GULF OF CALIFORNIA	28° N / 112.5° W
	19-Jan-2018 16:17:46	6.50	16	69km NE of Loreto, Mexico	26.51° N / 110.92° W
	19-Jan-2018 16:17:42	6.30	10	77km NNE of Loreto, Mexico	26.68° N / 111.11° W
	29-Mar-2017 15:15:26	5.70	10	74km W of Higuera de Zaragoza, Mexico	26° N / 110.02° W
	13-Oct-2016 03:55:13	5.10	20.16	70km SW of Higuera de Zaragoza, Mexico	25.51° N/109.8° W

Source: Earthquakes

## **Volcanic Eruptions:**

5 Large	5 Largest Volcanic Eruptions (Last updated in 2000)								
Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long				
٩	TRES VIRGENES	25-May-1746 00:00:00	0.00	MEXICO	27.47° N / 112.59° W				

### **Tsunami Runups:**

5 Largest Tsunami Runups								
Deaths Location Lat/Long	Deaths	Runup (m)	Country	Date (UTC)	Event			
- GUAYMAS 27.93° N / 110.89° W	-	0.39	MEXICO	22-May-1960 08:16:00				
- TOPOLOBAMPO 25.6° N / 109.07° W	-	0.15	MEXICO	22-May-1960 08:02:00				
- LORETO 26.02° N / 111.35° W	-	0.1	MEXICO	29-Nov-1975 00:00:00				
- GUAYMAS 27.93° N / 110.89° W	-	0.1	MEXICO	28-Mar-1964 00:00:00				
- GUAYMAS 27.93° N / 110.89° W	-	0.1	MEXICO	09-Mar-1957 00:00:00				
				09-Mar-1957 00:00:00	Source: Teupon			

Source: <u>Tsunamis</u>

### Wildfires:

5 Largest Wildfires							
Event	Start/End Date(UTC)	Size (sq. km.)	Location	Mean Lat/Long			
<b></b>	12-Jun-2003 00:00:00 - 23-Jun-2003 00:00:00	11.90	Mexico	30.09° N / 110.51° W			
	10-May-2002 00:00:00 - 26-May-2002 00:00:00	9.00	Mexico	26.16° N / 108.13° W			

Source: Wildfires

# **Tropical Cyclones:**

5 Large	5 Largest Tropical Cyclones								
Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long			
٩	JIMENA	29-Aug-2009 09:00:00 - 04-Sep-2009 21:00:00	155	931	Eastern Pacific	20.52° N / 107.75° W			
٢	JAVIER	11-Sep-2004 03:00:00 - 19-Sep-2004 21:00:00	150	No Data	Eastern Pacific	19.82° N / 103.8° W			
٢	JULIETTE	21-Sep-2001 21:00:00 - 03-Oct-2001 03:00:00	144	No Data	Eastern Pacific	21.57° N / 104.4° W			
٢	RAYMOND	25-Sep-1989 06:00:00 - 05-Oct-1989 18:00:00	144	935	Eastern Pacific	23.07° N / 108.55° W			
٢	LIZA	26-Sep-1976 00:00:00 - 02-Oct-1976 00:00:00	138	No Data	Eastern Pacific	20.42° N / 108.2° W			

Source: Tropical Cyclones

Disclosures

\* As defined by the source (<u>Dartmouth Flood Observatory</u>, 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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