

# M 7.0, 0 km SW of Kilmetro 30, Mexico

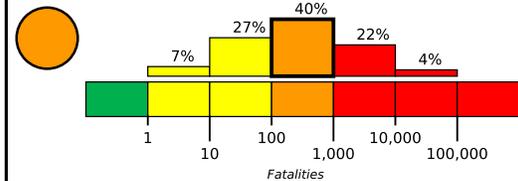
Origin Time: 2021-09-08 01:47:46 UTC (Tue 20:47:46 local)  
 Location: 16.9502° N 99.7877° W Depth: 12.6 km

**FOR TSUNAMI INFORMATION, SEE: [tsunami.gov](https://tsunami.gov)**

Created: 1 hour, 5 minutes after earthquake

## PAGER Version 2

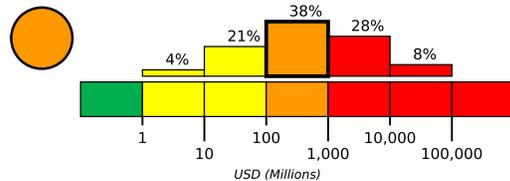
### Estimated Fatalities



Orange alert for shaking-related fatalities and economic losses. Significant casualties and damage are likely and the disaster is potentially widespread. Past orange alerts have required a regional or national level response.

Estimated economic losses are less than 1% of GDP of Mexico.

### Estimated Economic Losses

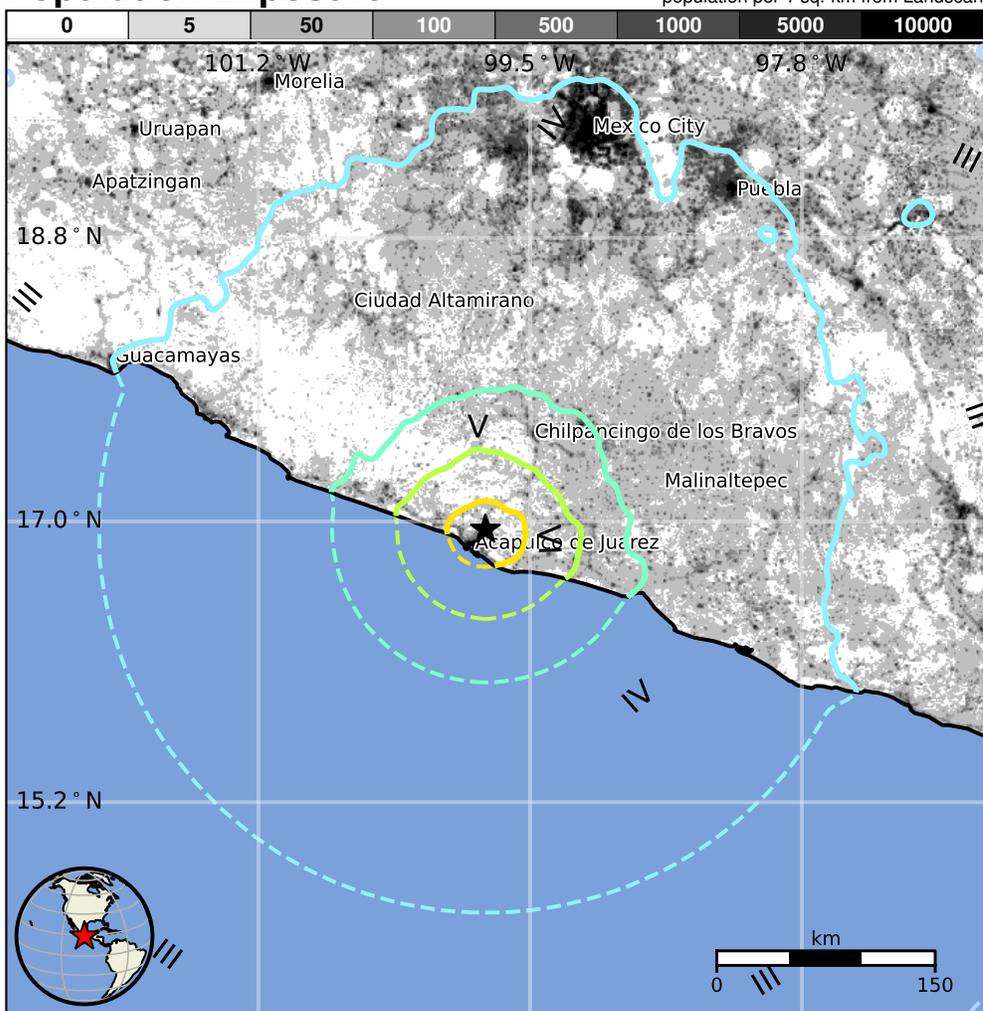


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	13,041k*	35,225k	1,287k	245k	912k	0	0	0	
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+	
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1973-08-28	366	7.2	VII(847k)	600
1980-10-24	213	7.1	VIII(11k)	65
1985-09-19	320	8.0	VII(309k)	10k

Recent earthquakes in this area have caused secondary hazards such as tsunamis and landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Kilometro 30	6k
VII	Colonia Nueva Revolucion	1k
VII	Nueva Frontera	1k
VII	El Metlapil	1k
VII	Colonia Alborada	1k
VII	<b>Acapulco de Juarez</b>	<b>652k</b>
IV	<b>Mexico City</b>	<b>12,294k</b>
IV	Toluca	506k
IV	<b>Puebla</b>	<b>1,590k</b>
III	<b>Morelia</b>	<b>593k</b>
III	Xalapa de Enriquez	425k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000f93v#pager>

bold cities appear on map.

(k=x1000)

Event ID: us7000f93v