

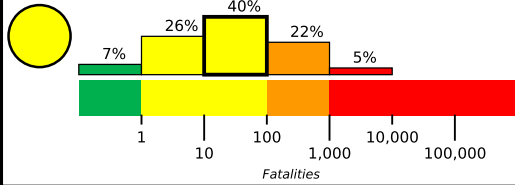
M 7.2, OAXACA, MEXICO

Origin Time: 2018-02-16 23:39:39 UTC (Fri 17:39:39 local)
Location: 16.3855° N 97.9787° W Depth: 22.0 km

PAGER Version 9

Created: 12 weeks, 3 days after earthquake

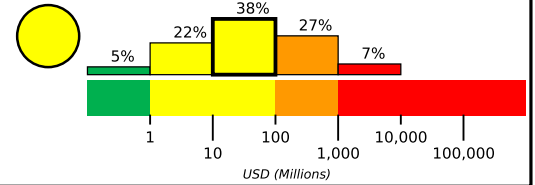
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

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

Estimated Economic Losses

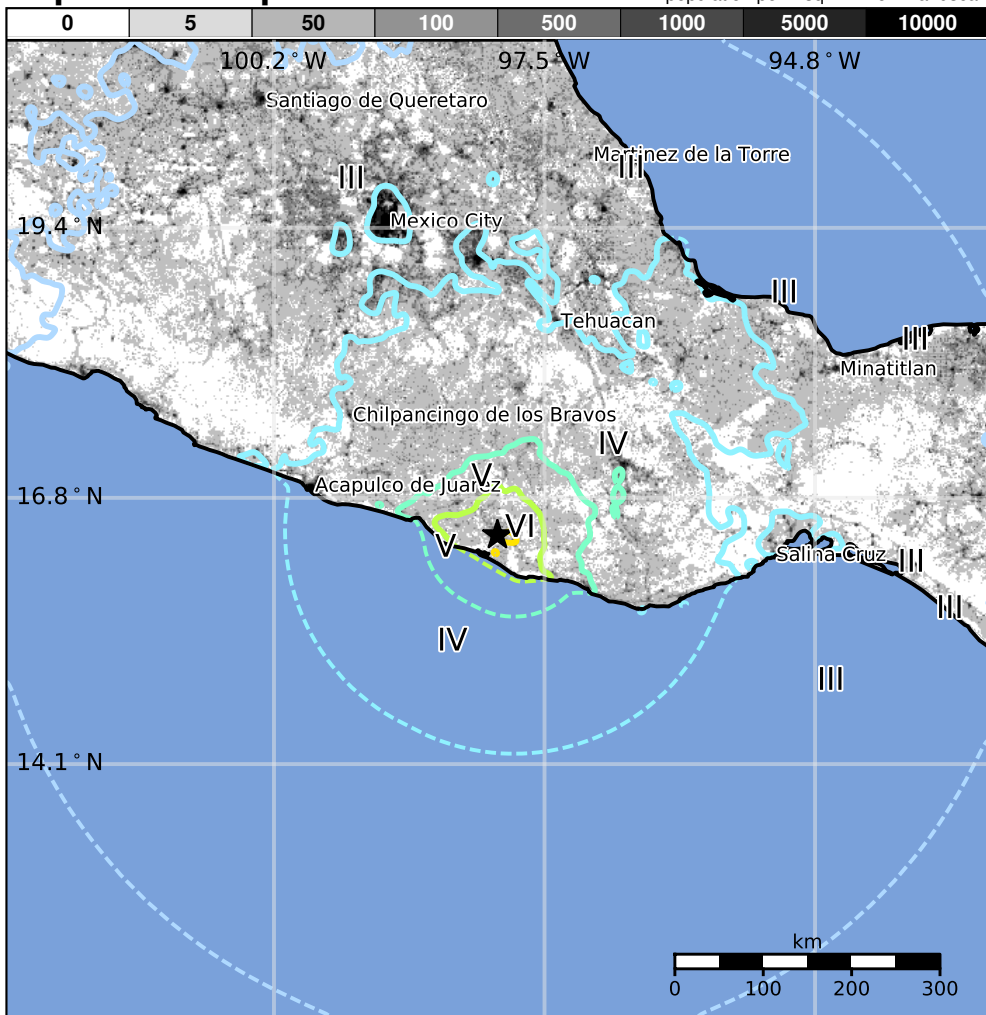


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	35,669k*	33,893k	1,077k	278k	80k	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 adobe block with concrete bond beam and mud wall construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1980-10-24	200	7.1	VIII(11k)	65
1999-06-15	226	6.9	VI(178k)	16
1973-08-28	251	7.2	VII(847k)	600

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	Santiago Tetepec	1k
VII	Santa Catarina Mechoacan	4k
VII	San Agustin Chayuco	<1k
VII	San Agustin Chayuco	2k
VII	Pinotepa	26k
VII	Jose Maria Morelos	2k
IV	Mexico City	12,294k
IV	Puebla	1,590k
III	Toluca	506k
III	Morelia	593k
III	Santiago de Queretaro	626k

bold cities appear on map.

(k = x1000)

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/us2000d3km#pager>

Event ID: us2000d3km