

M 6.4, OAXACA, MEXICO

Origin Time: Tue 2008-02-12 12:50:20 UTC

Location: 16.41°N 94.16°W Depth: 99 km

PAGER Version 2

Created: 6 hrs, 33 mins after earthquake

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	6,869k*	7,747k	1,645k	180k	0	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	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat 2005

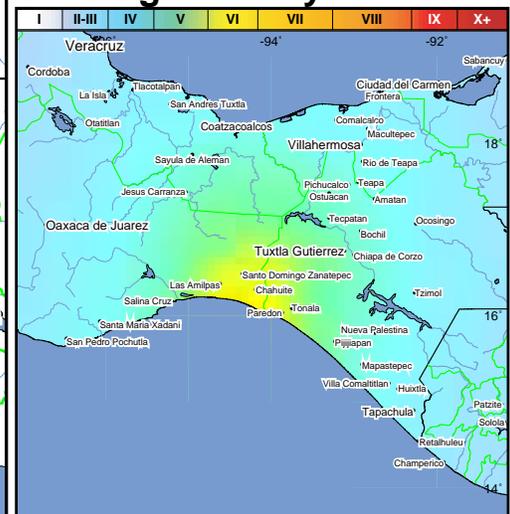


Selected City Exposure

MMI City	Population
VI Chahuite	9k
VI Santo Domingo Zanatepec	7k
VI Paredon	6k
VI Ixhuatan	5k
VI Arriaga	22k
VI San Pedro Tapanatepec	7k
VI Las Amilpas	8k
V Tuxtla Gutierrez	481k
IV Villahermosa	362k
IV Oaxaca de Juarez	262k
III Veracruz	568k

bold cities appear on map (k = x1000)

Shaking Intensity



Users should consider the preliminary nature of this information and check for updates as additional data becomes available. Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures. Overall, structures in this region are a mix of vulnerable and resistant construction. A magnitude 8.0 earthquake struck the Michoacan, Mexico region on September 19, 1985 (UTC), with estimated population exposures of 82,000 at intensity VIII and 340,000 at intensity VII, resulting in 9,500 deaths. Recent earthquakes in this area have also triggered landslide hazards that have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.