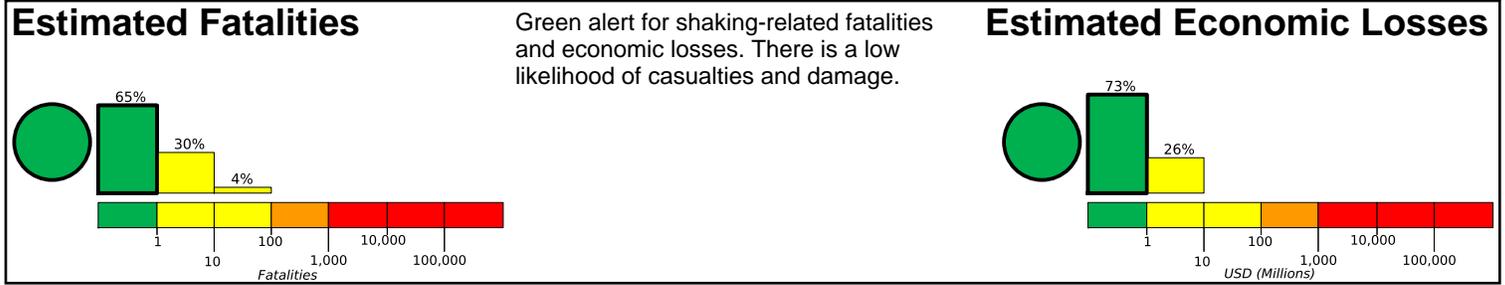


# M 5.9, OFFSHORE GUATEMALA

Origin Time: Sun 2014-12-07 12:11:31 UTC (06:11:31 local)

Location: 13.75°N 91.38°W Depth: 28 km

Created: 11 weeks, 1 day after earthquake



## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	10,849k*	4,356k	312k	16k	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



### Structures:

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1976-02-04	156	5.4	V(2,086k)	0
1978-07-29	120	4.9	VII(14k)	17
1976-02-04	299	7.5	IX(80k)	23k

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

## Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Nueva Concepcion	11k
V	<b>La Gomera</b>	<b>24k</b>
IV	Iztapa	4k
IV	<b>Puerto San Jose</b>	<b>19k</b>
IV	Masagua	10k
IV	<b>Escuintla</b>	<b>103k</b>
IV	Chimaltenango	82k
IV	Quetzaltenango	132k
III	Huehuetenango	79k
III	<b>Guatemala City</b>	<b>995k</b>

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.

<http://earthquake.usgs.gov/pager>

Event ID: usc000t4ep