

**M 6.4, PUERTO RICO REGION**

Origin Time: Mon 2014-01-13 04:01:03 UTC (00:01:03 local)

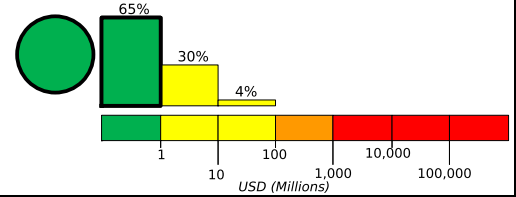
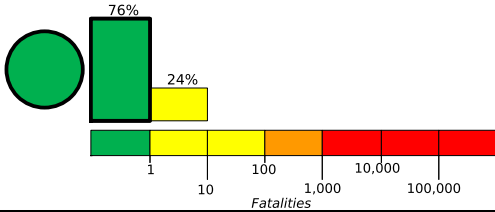
Location: 19.04°N 66.81°W Depth: 20 km

Created: 6 weeks, 2 days after earthquake

**Estimated Fatalities**

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

**Estimated Economic Losses**

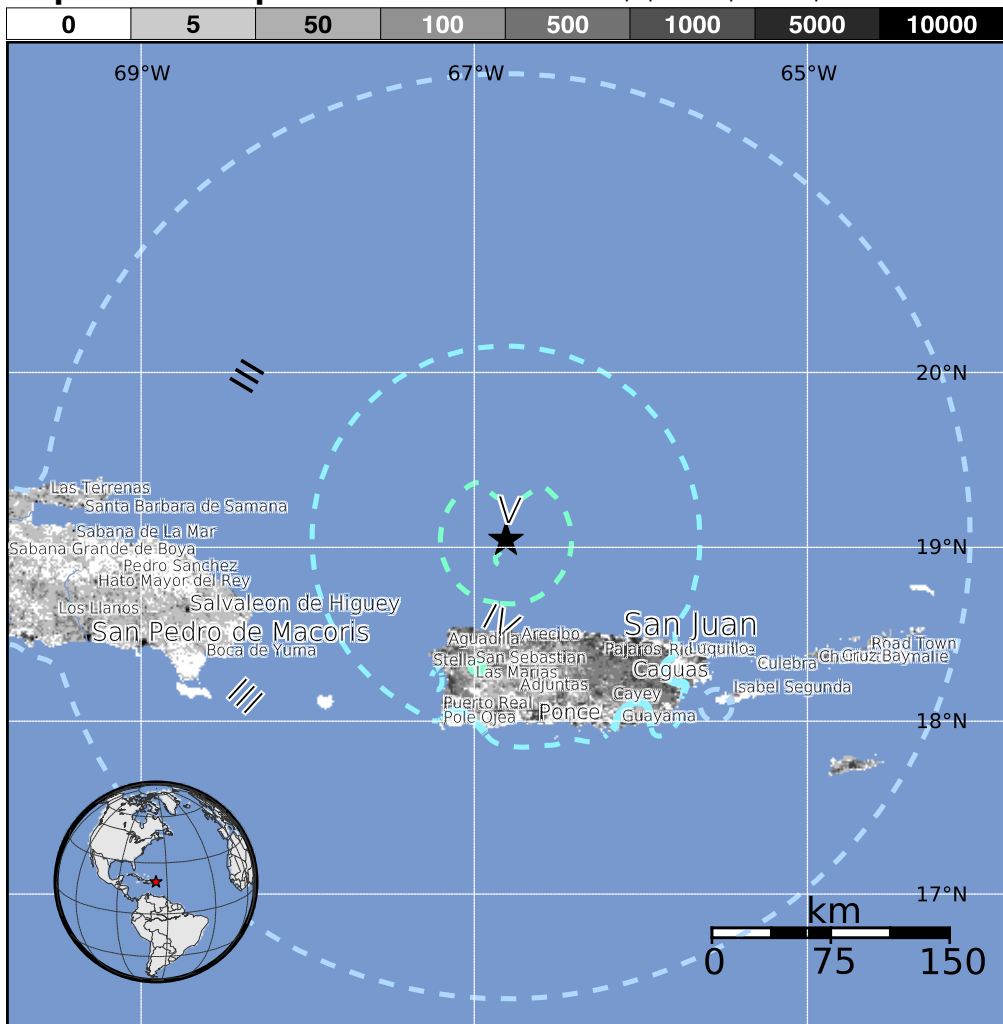


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	- - *	1,829k	3,445k	67k	0	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 a mix of vulnerable and earthquake resistant construction.

**Historical Earthquakes (with MMI levels):**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1988-11-03	53	6.0	VI(20k)	0
2003-09-22	399	5.6	VIII(4k)	0
1984-06-24	275	5.2	V(440k)	5

**Selected City Exposure**

from GeoNames.org

MMI City	Population
<b>V San Sebastian</b>	<b>12k</b>
V Juncal	1k
<b>V Las Marias</b>	<b>1k</b>
V Penuelas	7k
IV Bufalo	1k
IV Magas Arriba	1k
<b>IV San Juan</b>	<b>418k</b>
III La Romana	208k

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: usc000m1w9