Earthquake Shaking 🟢 **Green Alert**
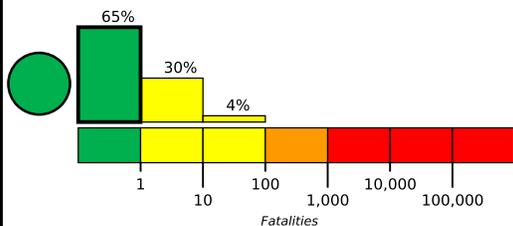
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M 5.9, Mindoro, Philippines

Origin Time: 2017-04-08 07:09:23 UTC (Sat 15:09:23 local)
Location: 13.7701° N 120.9354° E Depth: 14.3 km

PAGER
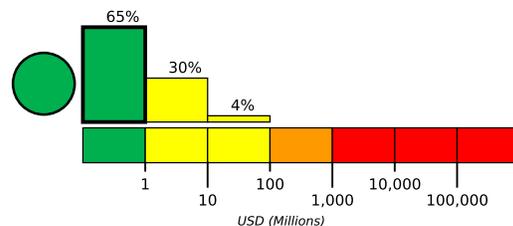### Version 7
Created: 5 weeks, 0 days after earthquake

Estimated Fatalities

🟢 65% 30% 4%

1   10   100   1,000   10,000   100,000
Fatalities

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

Estimated Economic Losses

🟢 65% 30% 4%

1   10   100   1,000   10,000   100,000
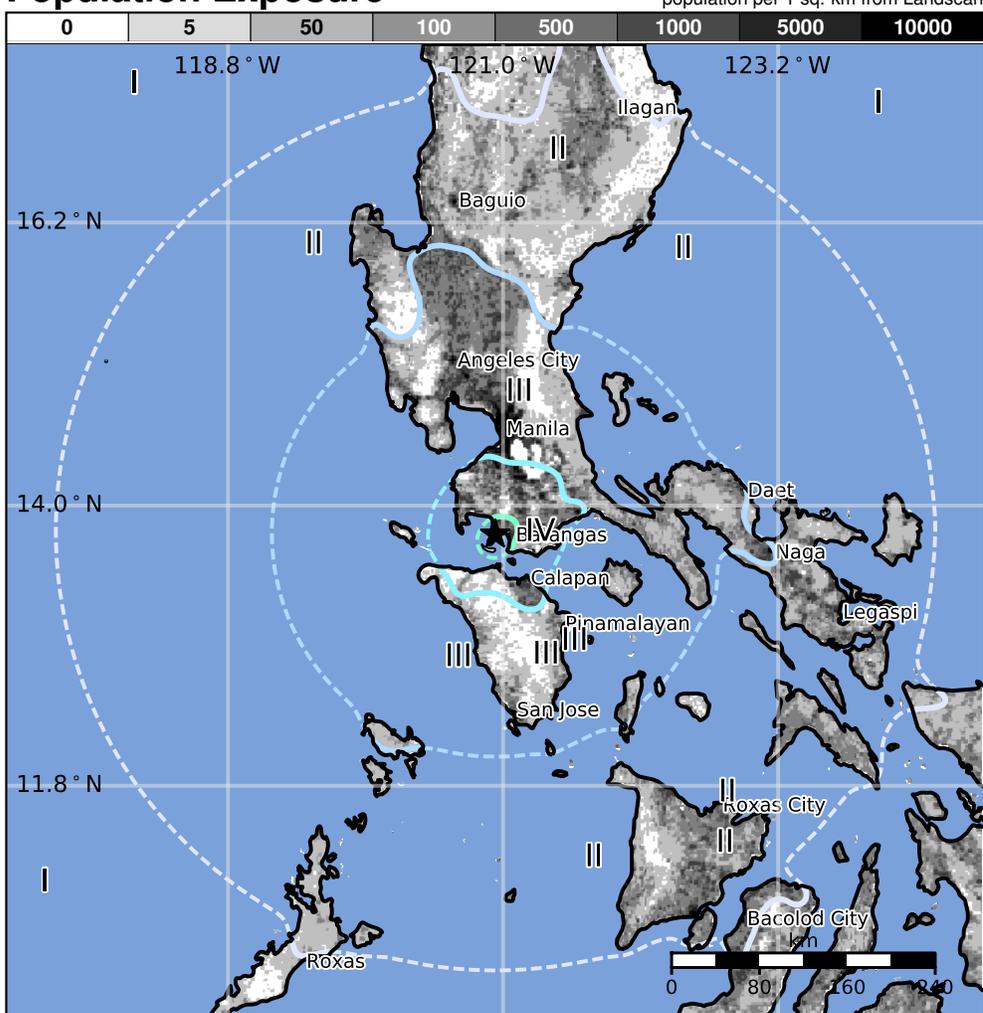*USD (Millions)*

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		9,261k*	58,889k	8,225k	982k	13k	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	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

population per 1 sq. km from Landscan

0	5	50	100	500	1000	5000	10000

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 reinforced concrete and unknown/miscellaneous types construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1977-03-18	360	7.2	VII(520k)	1
1999-12-11	254	7.2	VIII(17k)	1
1990-07-16	218	7.7	IX(893k)	2k

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Mabini	3k
VI	Tingloy	3k
V	Talaga	3k
V	Solo	3k
V	**Batangas**	**237k**
V	Santa Clara	4k
IV	Calamba	317k
III	**Manila**	**1,600k**
II	**Baguio**	**273k**
II	Iloilo	388k
I	Cebu City	799k

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/us10008fsd#pager

Event ID: us10008fsd