M 5.5, TAIWAN

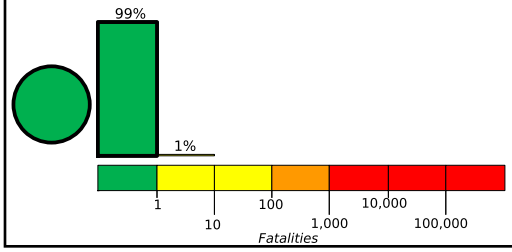
Origin Time: Wed 2016-04-27 15:17:14 UTC (15:17:14 local)
Location: 24.23°N 121.80°E Depth: 13 km

Earthquake Shaking **Green Alert**

PAGER Version 1

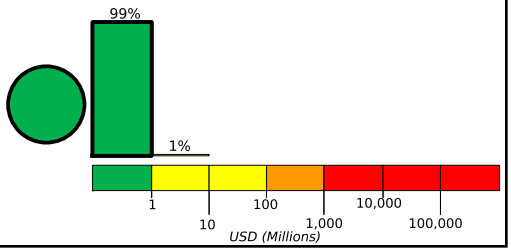
Created: 2 weeks, 0 days after earthquake

Estimated Fatalities



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

Estimated Economic Losses



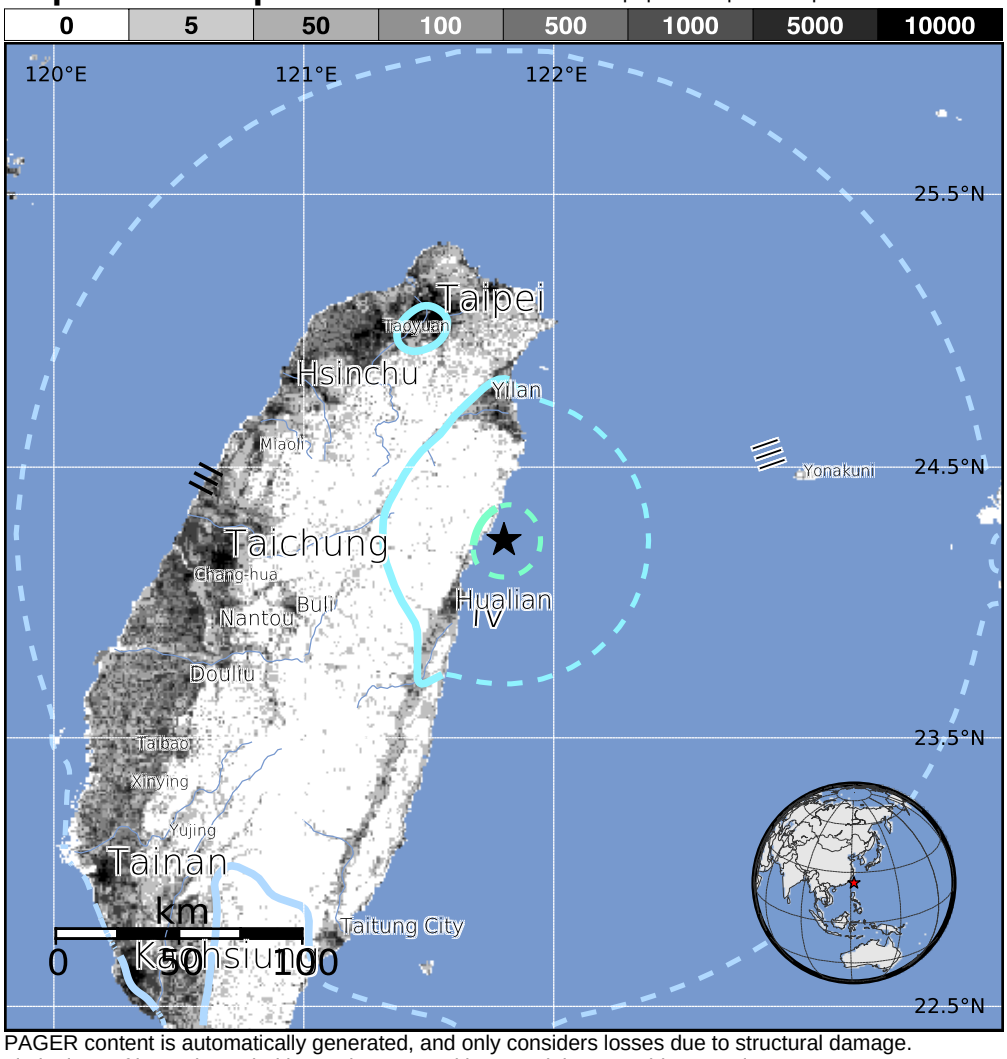
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	17,182k	6,117k	3k	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

population per ~1 sq. km from Landscan



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

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-09-21	40	6.4	V(15k)	0
2000-05-17	74	5.4	VII(94)	3
1999-09-20	99	7.6	IX(1,952k)	2k

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	**Hualian**	**350k**
IV	**Yilan**	**94k**
IV	Banqiao	543k
IV	**Taipei**	**7,872k**
III	Taoyuan City	402k
III	**Buli**	**86k**
III	**Taichung**	**1,041k**
III	Keelung	398k
III	**Hsinchu**	**404k**
III	**Kaohsiung**	**1,520k**
III	**Tainan**	**771k**

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/earthquakes/eventpage/us10005bxy

Event ID: us10005bxy