

**M 6.4, TAIWAN**

Origin Time: Fri 2016-02-05 19:57:27 UTC (03:57:27 local)

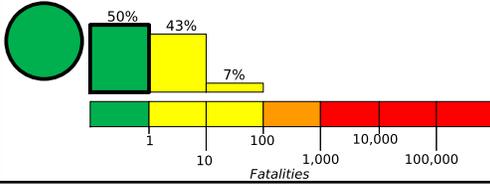
Location: 22.94°N 120.59°E Depth: 23 km

Created: 4 days, 5 hours after earthquake

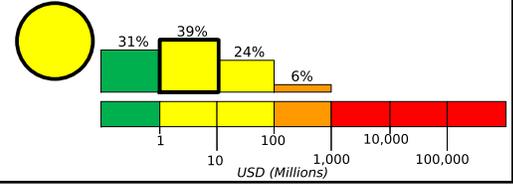
**Estimated Fatalities**

Yellow alert level for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of Taiwan. Past events with this alert level have required a local or regional level response.

Green alert level for shaking-related fatalities. There is a low likelihood of casualties.



**Estimated Economic Losses**

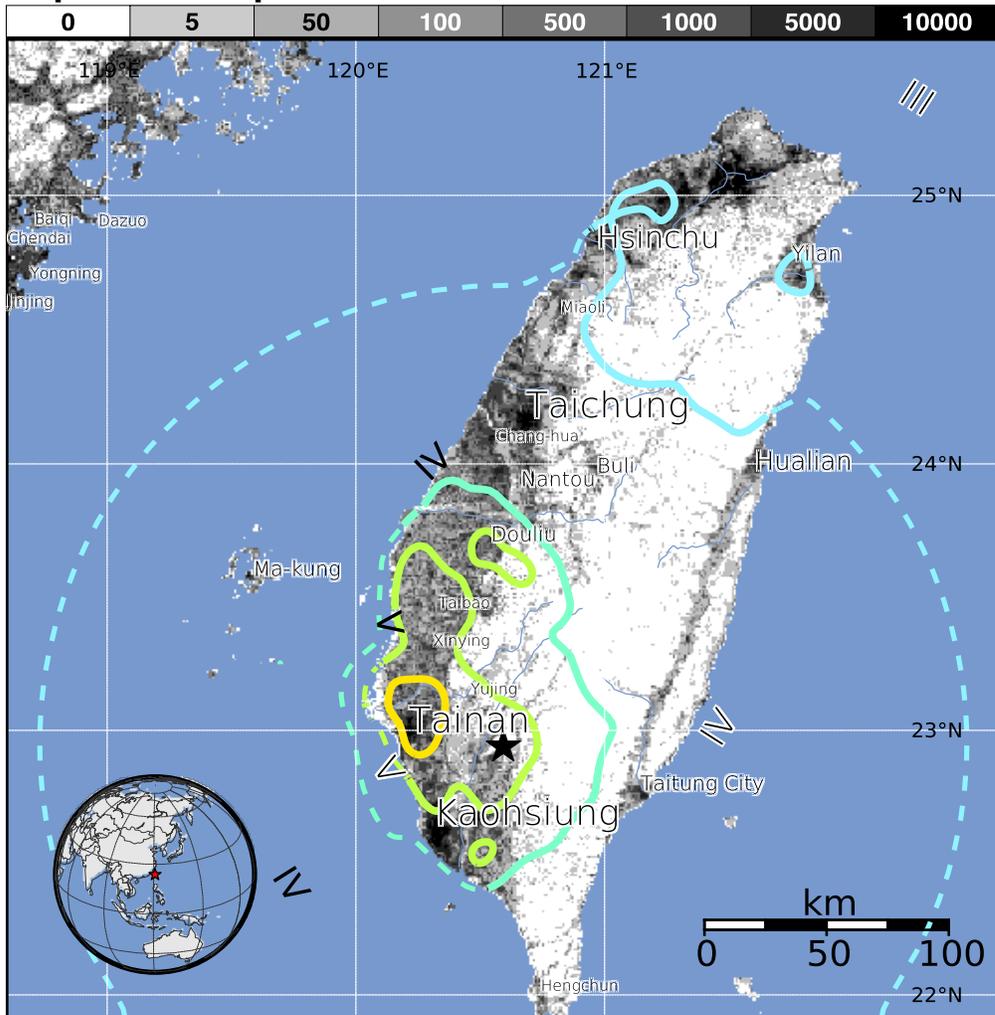


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	13,391k*	8,692k	3,194k	2,656k	1,512k	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 resistant to earthquake shaking, though some vulnerable structures exist. The predominant vulnerable building types are adobe block and reinforced masonry construction.

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

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1986-11-14	172	6.3	VIII(4k)	0
1998-07-17	75	5.7	VIII(13)	5
1999-09-20	112	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
<b>VII Tainan</b>	771k
<b>VI Taibao</b>	< 1k
<b>VI Yujing</b>	17k
<b>VI Jiayi Shi</b>	< 1k
<b>VI Douliu</b>	105k
<b>V Xinying</b>	< 1k
<b>V Kaohsiung</b>	1,520k
<b>IV Taichung</b>	1,041k
<b>IV Taipei</b>	7,872k
<b>IV Banqiao</b>	543k
<b>IV Hsinchu</b>	404k

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/us20004y6h>

Event ID: us20004y6h