

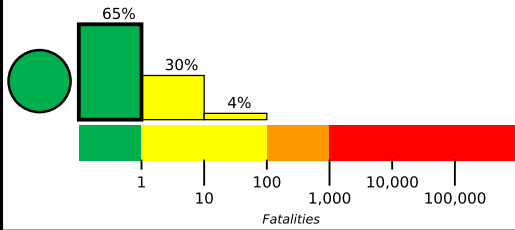
M 6.4, 17km NNE of Hualien, Taiwan

Origin Time: 2018-02-06 15:50:43 UTC (Tue 23:50:43 local)
Location: 24.1313° N 121.6587° E Depth: 17.0 km

PAGER
Version 8

Created: 6 days, 22 hours after earthquake

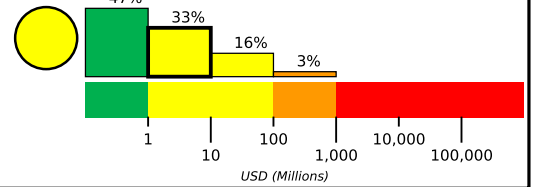
Estimated Fatalities



Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

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

Estimated Economic Losses

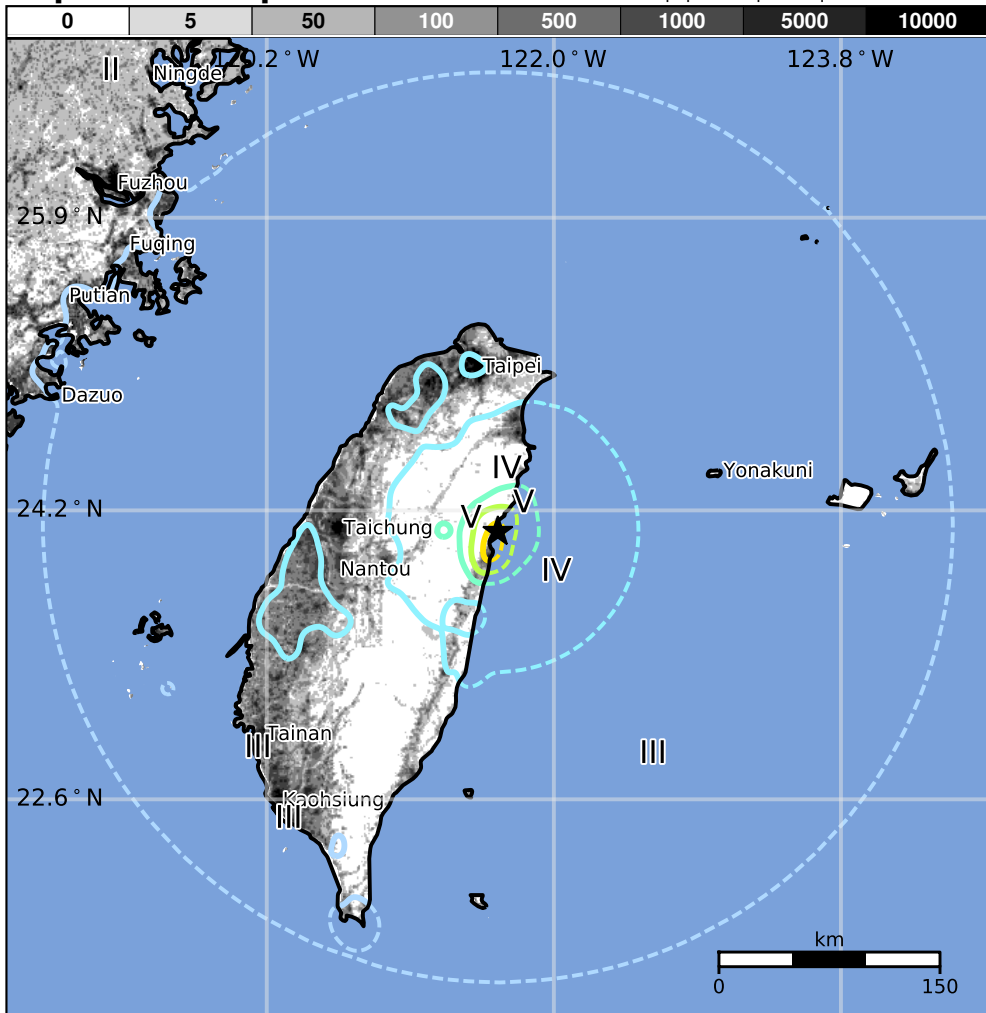


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	26,089k	9,920k	80k	13k	209k	2k	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



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and mid-rise nonductile concrete frame with infill construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-10-22	132	5.8	VIII(256k)	1
2002-05-15	62	6.1	VIII(243k)	1
1999-09-20	81	7.6	IX(1,778k)	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
VII	Hualien City	350k
IV	Yilan	94k
IV	Taipei	7,872k
IV	Douliu	105k
IV	Zhubei	<1k
IV	Taoyuan City	402k
III	Taichung	1,041k
III	Zhongxing New Village	26k
III	Kaohsiung	1,520k
III	Tainan	771k
III	Fuzhou	1,180k

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.

bold cities appear on map.

(k = x1000)