

# M 6.1, 8km NE of Hualian, Taiwan

Origin Time: 2019-04-18 05:01:06 UTC (Thu 13:01:06 local)  
Location: 24.0374° N 121.6501° E Depth: 20.0 km

## PAGER Version 6

Created: 8 weeks, 6 days after earthquake

### Estimated Fatalities

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

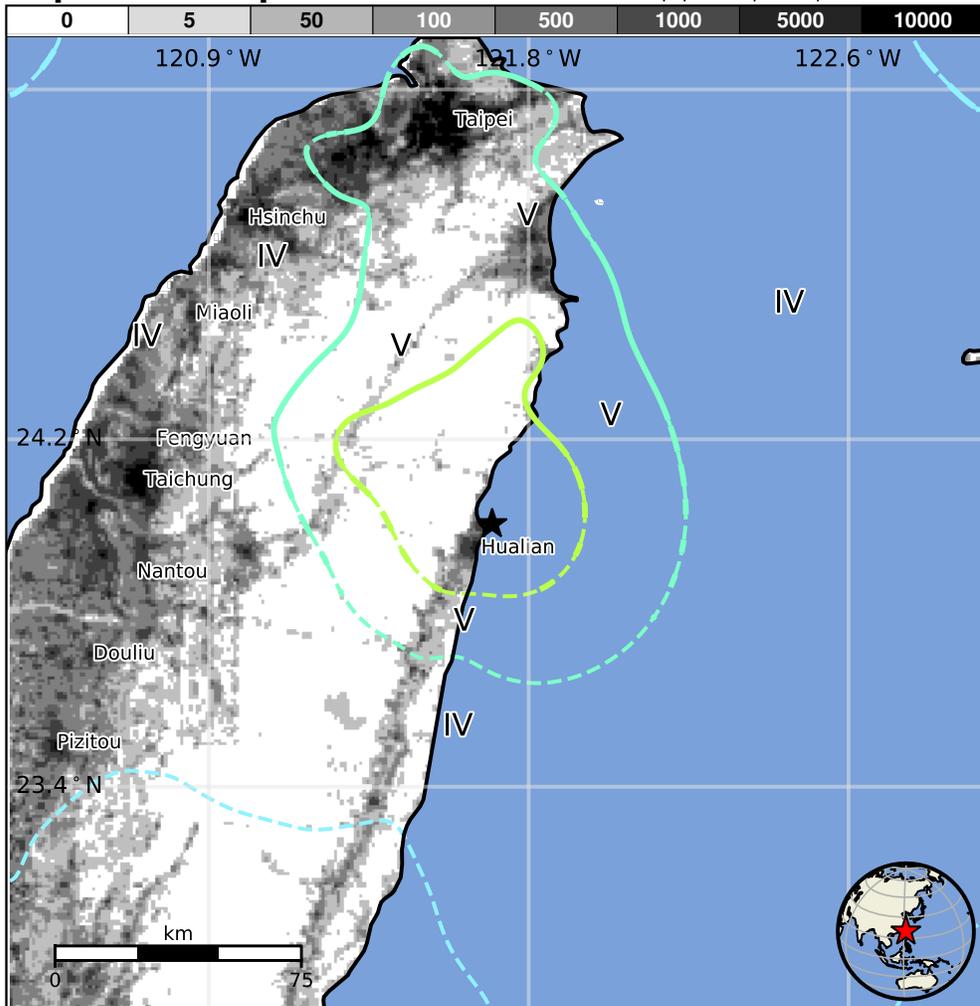
### Estimated Economic Losses

## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	493k*	8,074k*	8,901k	302k	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



## 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
2000-05-17	59	5.4	VI(3k)	3
1988-07-20	6	5.9	VII(226k)	1
1999-09-20	75	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
VI	Hualien City	350k
V	Yilan	94k
V	Taipei	7,872k
V	Banqiao	543k
V	Taoyuan	<1k
V	Taoyuan City	402k
IV	Keelung	398k
IV	Hsinchu	404k
IV	Zhongxing New Village	26k
IV	Taichung	1,041k
IV	Nantou	106k

bold cities appear on map.

(k=x1000)