

M 6.2, EASTERN HONSHU, JAPAN

Origin Time: Sat 2014-11-22 13:08:18 UTC (22:08:18 local)

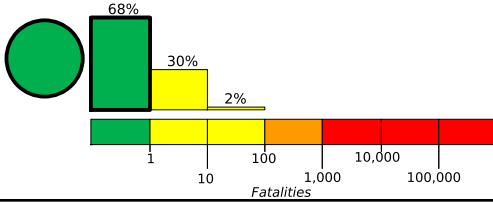
Location: 36.64°N 137.91°E Depth: 10 km

Created: 4 hours, 8 minutes after earthquake

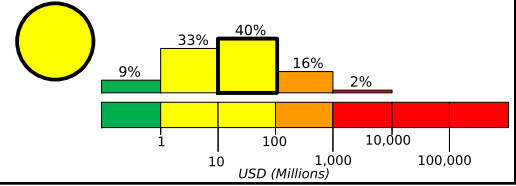
Estimated Fatalities

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 Japan. 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

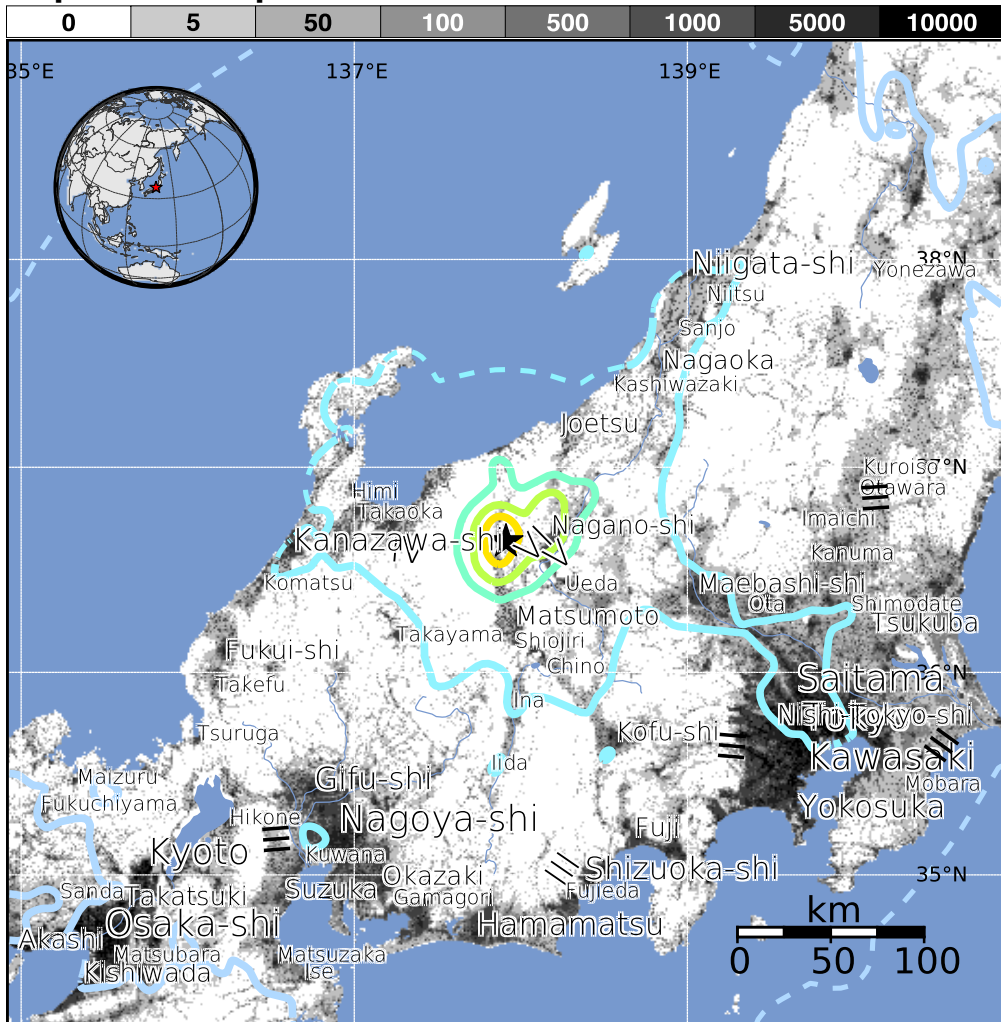


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	63,137k*	24,152k	305k	431k	24k	5k	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.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1974-06-27	337	6.1	VII(7k)	0
1983-08-08	162	5.6	VII(7k)	1
1995-01-16	348	6.9	IX(1,740k)	6k

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Omachi	31k
VI	Nagano-shi	360k
V	Suzaka	54k
V	Itoigawa	31k
V	Suwa	55k
V	Iiyama	25k
III	Tokyo	8,337k
III	Nagoya-shi	2,191k
III	Yokohama-shi	3,574k
III	Osaka-shi	2,592k
III	Kobe-shi	1,528k

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/pager>

Event ID: usb000syza