

M 5.3, KYUSHU, JAPAN

Origin Time: Fri 2016-04-15 16:44:06 UTC (01:44:06 local)

Location: 32.70°N 130.74°E Depth: 10 km

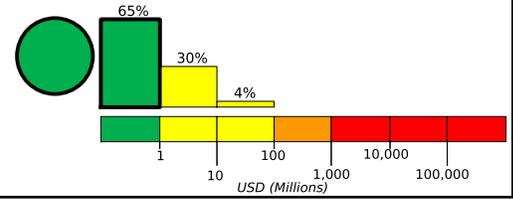
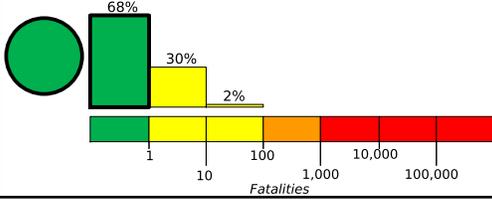
PAGER
Version 4

Created: 3 days, 1 hour 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

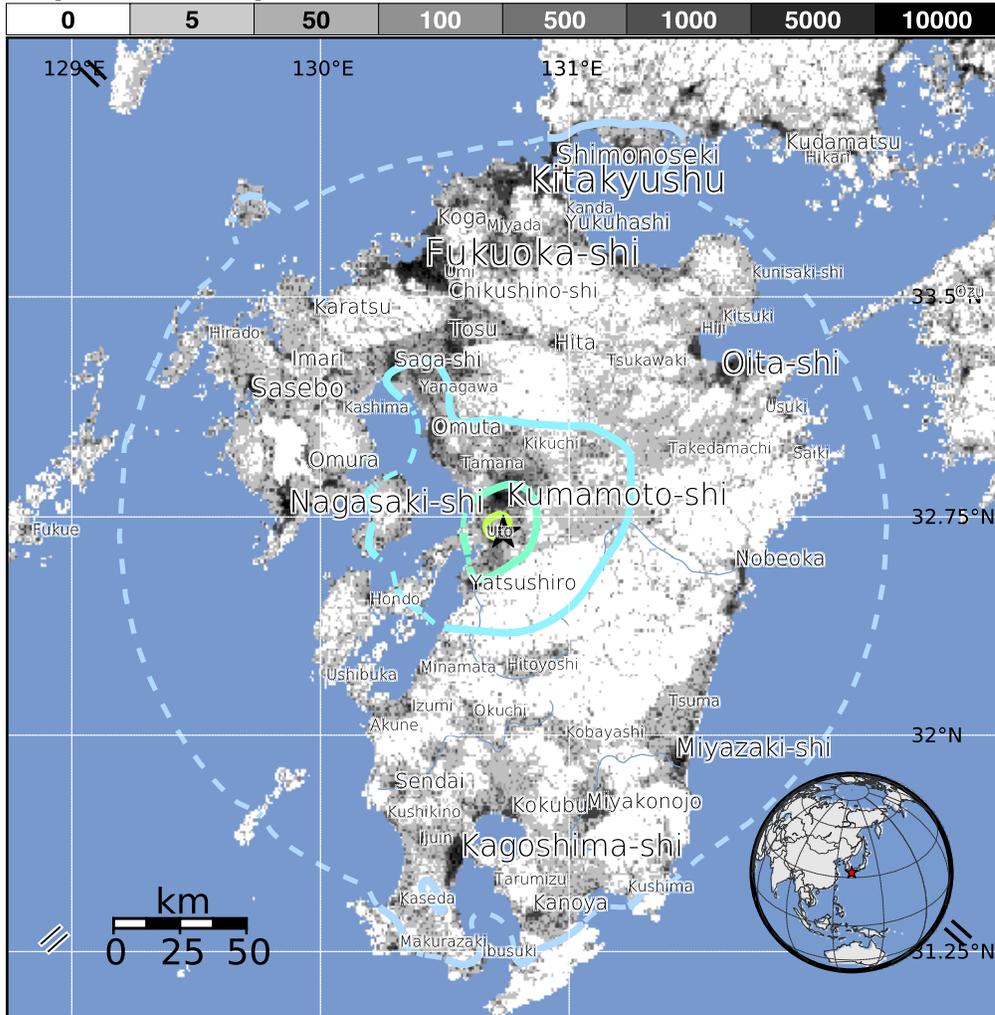


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	12,555k	1,774k	670k	189k	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



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 heavy wood frame and ductile reinforced concrete frame construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1996-10-19	120	6.7	VII(242k)	0
1987-03-18	124	6.6	VII(593k)	1
2001-03-24	233	6.8	VIII(5k)	2

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 Uto	39k
V Matsubase	26k
V Kumamoto-shi	680k
IV Ozu	30k
IV Yatsushiro	104k
IV Ueki	32k
III Nagasaki-shi	410k
III Oita-shi	449k
III Miyazaki-shi	311k
III Fukuoka-shi	1,392k
III Kagoshima-shi	555k

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/us20005ij8>

Event ID: us20005ij8