

**M 5.5, KYUSHU, JAPAN**

Origin Time: Mon 2016-04-18 11:41:59 UTC (20:41:59 local)

Location: 33.01°N 131.10°E Depth: 7 km

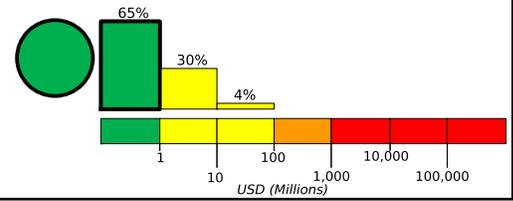
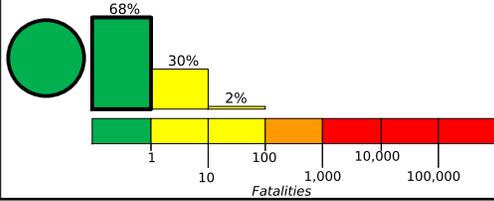
**PAGER**  
**Version 1**

Created: 2 weeks, 4 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**



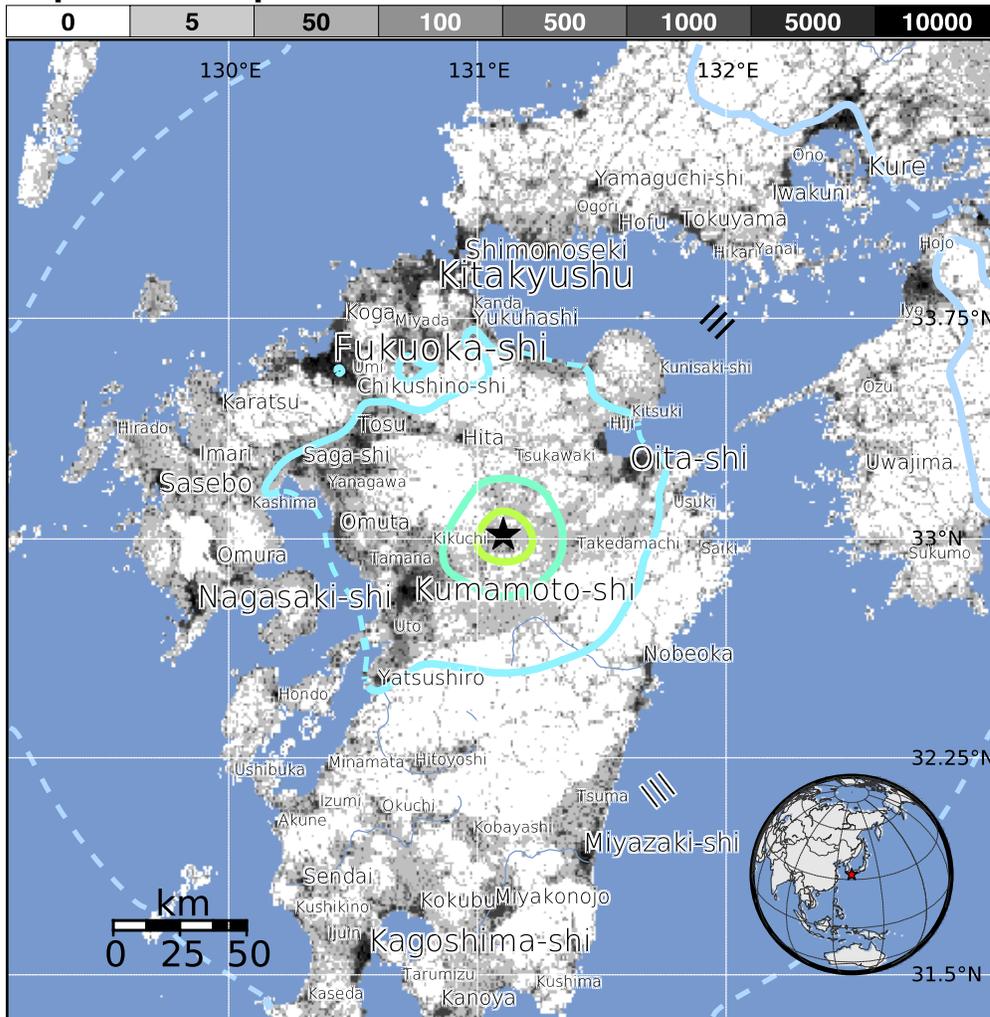
**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	11,536k*	5,929k	58k	30k	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**

population per ~1 sq. km from Landsat



**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
1997-06-25	164	5.8	VI(31k)	0
1987-03-18	124	6.6	VII(593k)	1
2001-03-24	180	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
IV	Ozu	30k
IV	Kikuchi	27k
IV	Tsukawaki	18k
IV	Takedamachi	16k
IV	Yamaga	32k
IV	Kumamoto-shi	680k
IV	Oita-shi	449k
IV	Fukuoka-shi	1,392k
III	Kagoshima-shi	555k
III	Hiroshima-shi	1,144k
III	Matsuyama-shi	443k

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/us20005jgz>

Event ID: us20005jgz