

Origin Time: Fri 2016-04-15 16:25:06 UTC (01:25:06 local)

Location: 32.78°N 130.73°E Depth: 10 km







PAGER

100.000

Version 1

Earthquake Shaking

M 7.0, KYUSHU, JAPAN

Origin Time: Fri 2016-04-15 16:25:06 UTC (01:25:06 local) Location: 32.78°N 130.73°E Depth: 10 km



Estimated Population Exposed to Earthquake Shaking										
ESTIMATED F	POPULATION (k = x1000)	*	2,048k*	11,214k*	8,496k	2,669k	551k	391k	716k	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	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area







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/us20005iis



Estimated Population Exposed to Earthquake Shaking

ESTIMATED EXPOSURE	POPULATION (k = x1000)	*	5,669k*	8,664k	8,510k	1,757k	592k	892k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	-	IV	V	VI	VII	VIII	IX	X+
PERCEIVEI	D SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAI	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

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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 low-rise concrete wall construction.

Historical Earthquakes (with MMI levels):

Date	Dist.	Mag.	Мах	Shaking	
(UTC)	(km)		MMI(#)	Deaths	
1997-03-26	95	6.1	VIII(31k)	0	
2005-03-20	121	6.6	IX(74k)	1	
2001-03-24	223	6.8	VIII(5k)	2	
Recent earthquakes in this area have caused					

secondary hazards such as tsunamis and landslides that might have contributed to losses.

Selected City Exposure

MMI	City	Population
VIII	Uto	39k
VIII	Kumamoto-shi	680k
VII	Matsubase	26k
VII	Ozu	30k
VII	Tamana	46k
VII	Ueki	32k
V	Fukuoka-shi	1,392k
V	Kagoshima-shi	555k
IV	Hiroshima-shi	1,144k
IV	Changwon	550k
III	Busan	3,679k

bold cities appear on map (k = x1000)

Event ID: us20005iis





PAGER Version 4

Created: 2 hours, 31 minutes after earthquake

Red alert for shaking-related fatalities and economic losses. High casualties and extensive damage are probable and the disaster is likely widespread. Past red alerts have required a national or international



Estimated economic losses are 0-1% GDP

population per ~1 sq. km from Landscan

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Date	Dist. Mag		Мах	Shaking	
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Recent earthquakes in this area have caused secondary hazards such as tsunamis and landslides that might have contributed to losses.

Selected City Exposure

MMI	City	Population
IX	Kumamoto-shi	680k
VIII	Uto	39k
VIII	Ozu	30k
VIII	Matsubase	26k
VIII	Kikuchi	27k
VII	Tamana	46k
V	Fukuoka-shi	1,392k
V	Kagoshima-shi	555k
IV	Hiroshima-shi	1,144k
IV	Changwon	550k
IV	Busan	3,679k
bold ci	ties appear on map	(k = x1000)

Event ID: us20005iis