

# M 6.4, NEAR THE SOUTH COAST OF HONSHU, JAPAN

PAGER  
Version 7

Origin Time: Mon 2009-08-10 20:07:07 UTC  
Location: 34.78°N 138.28°E Depth: 26 km

Created: 2 days, 1 hrs after earthquake

## Estimated Population Exposed to Earthquake Shaking

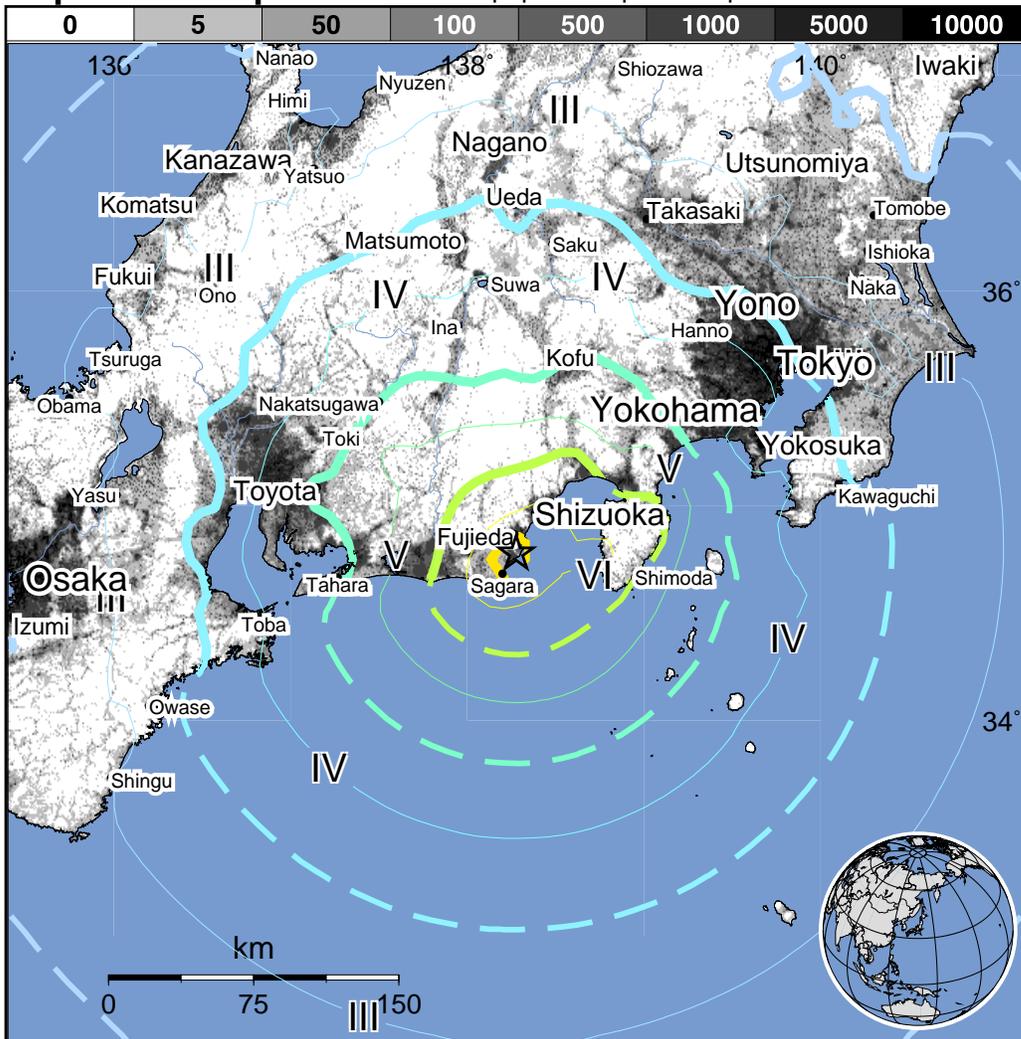
ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	36,474k*	34,315k	4,245k	1,969k	390k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	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 2006

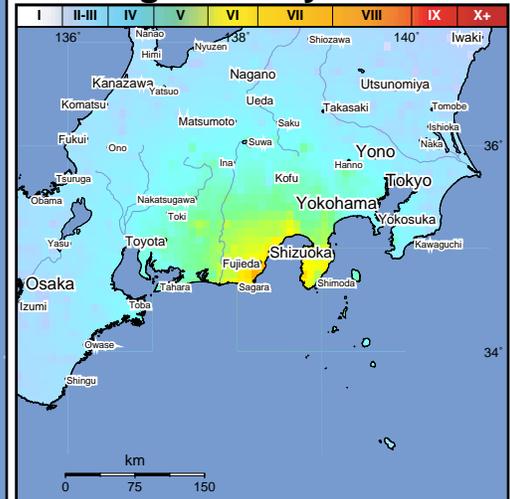
### Selected City Exposure



MMI City	Population
VII Sagara	25k
VII Yaizu	121k
VII Shimada	75k
VII Fujieda	132k
VI Shizuoka	701k
VI Oyama	21k
IV Yokohama	3,574k
IV Nagoya	2,191k
IV Tokyo	8,336k
III Kyoto	1,459k
III Osaka	2,592k

bold cities appear on map (k = x1000)

### Shaking Intensity



Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. A magnitude 6.9 earthquake occurred near the Kobe, Japan, region 299 km west of the location of this earthquake on January 16, 1995 (UTC), with estimated population exposures of 1,740,000 at intensity IX or greater and 3,176,000 at intensity VIII, resulting in an estimated 6,432 fatalities. Recent earthquakes in this area have caused, landslides, fires and liquefaction that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.