

**M 5.6, CENTRAL ITALY**

Origin Time: Wed 2016-08-24 02:33:29 UTC (04:33:29 local)

Location: 42.84°N 13.15°E Depth: 3 km

**PAGER**  
**Version 4**

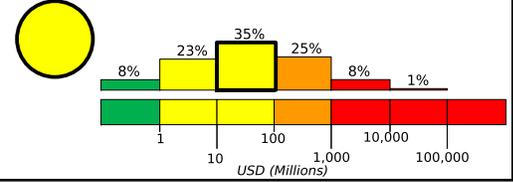
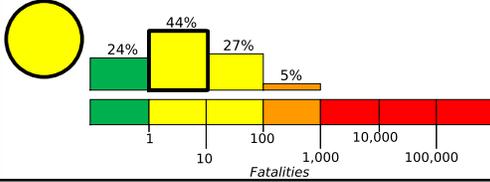
Created: 5 weeks, 6 days after earthquake

**Estimated Fatalities**

Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

**Estimated Economic Losses**

Estimated economic losses are less than 1% of GDP of Italy.

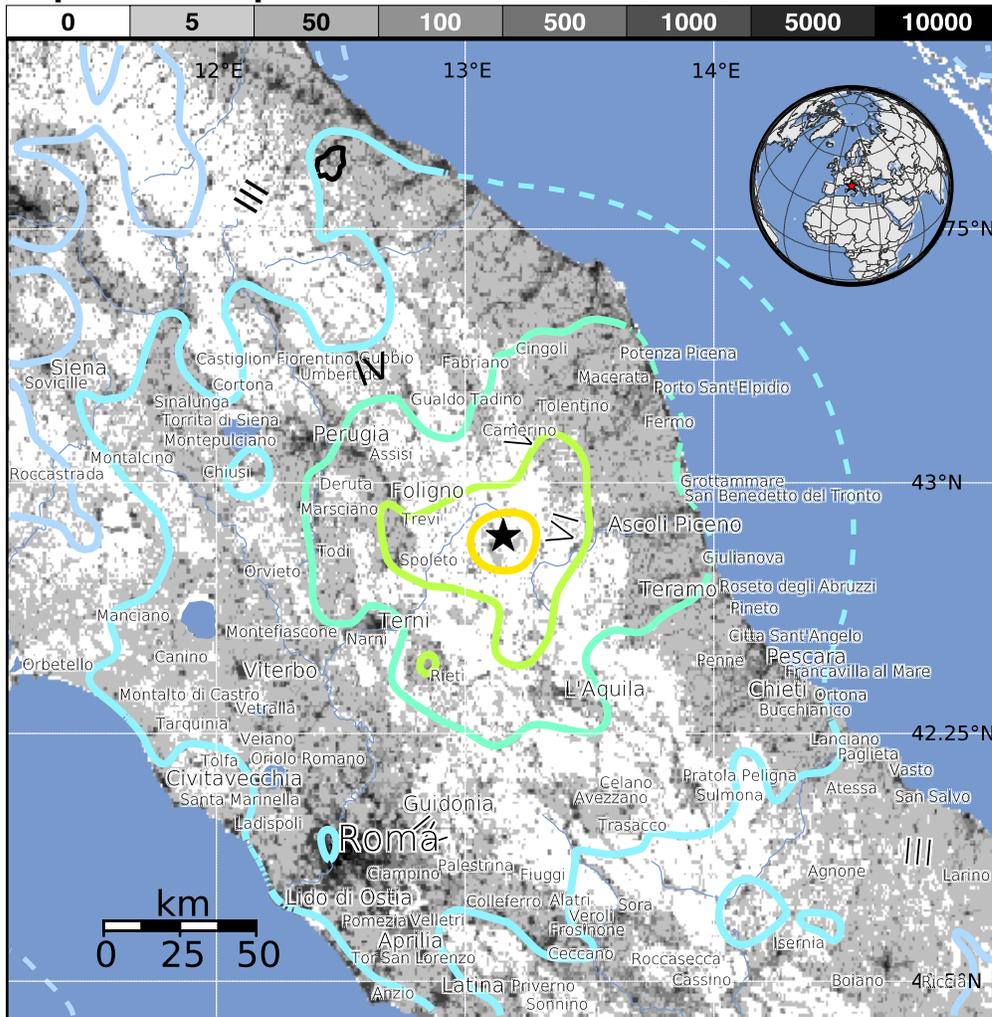


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	3,628k*	6,766k	1,346k	181k	8k	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 a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unreinforced brick with mud and mid-rise nonductile concrete frame with infill construction.

**Historical Earthquakes (with MMI levels):**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1997-10-03	39	5.3	VII(6k)	0
1976-09-11	391	5.5	VII(6k)	5
1980-11-23	290	6.9	IX(37k)	2k

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
VII Norcia	5k
VII Arquata del Tronto	1k
VII Amandola	4k
VII Preci	< 1k
VI Cerreto di Spoleto	1k
V L'Aquila	69k
IV Ancona	101k
IV Perugia	149k
III Roma	2,563k
II Firenze	372k

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/us10006g7w>

Event ID: us10006g7w