

M 5.5, CENTRAL ITALY

Origin Time: Wed 2016-10-26 17:10:37 UTC (18:10:37 local)

Location: 42.87°N 13.06°E Depth: 10 km

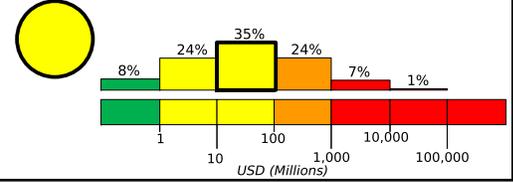
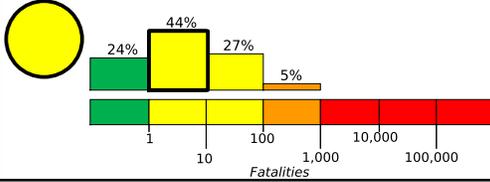
Created: 29 minutes, 5 seconds after earthquake

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.

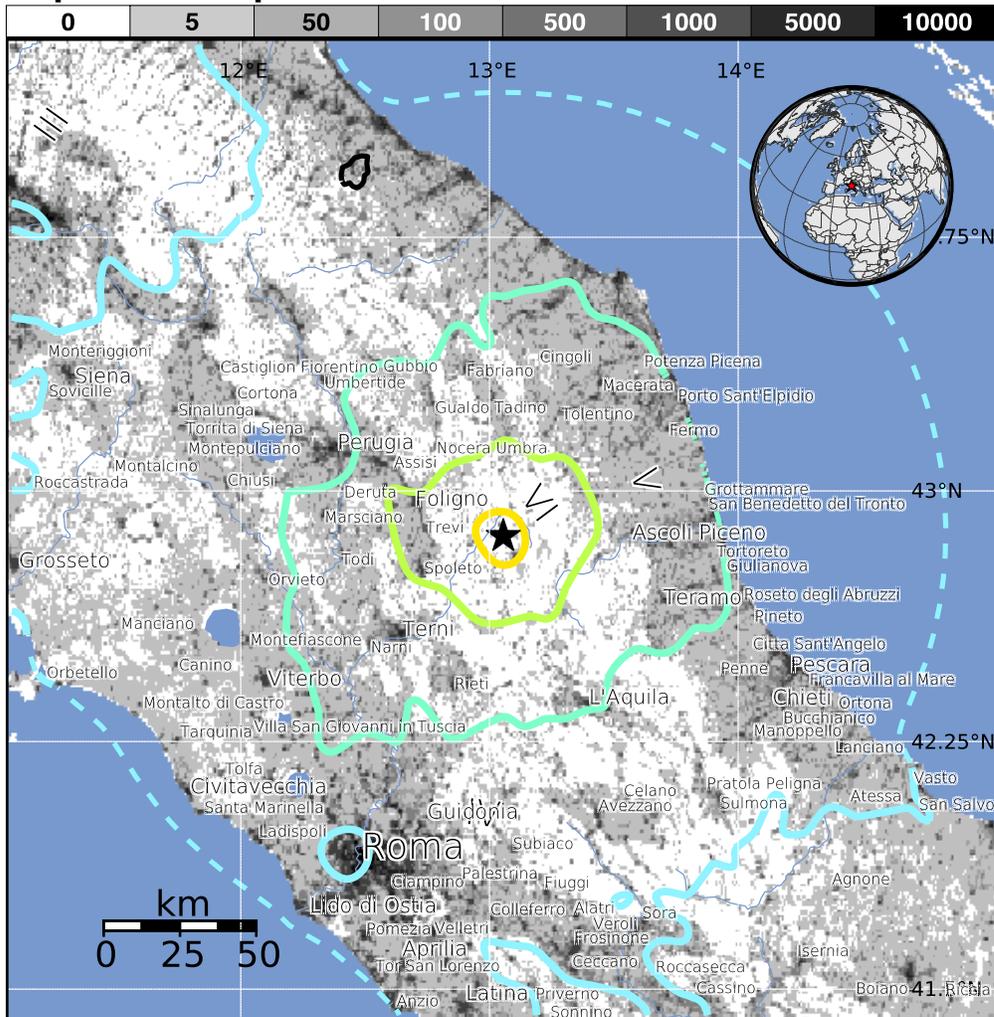


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	2,400k*	7,854k*	1,901k	168k	7k	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.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1997-10-14	16	5.7	VII(7k)	0
1976-09-11	386	5.5	VII(6k)	5
1980-11-23	297	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 Preci	< 1k
VII Visso	1k
VII Norcia	5k
VII Sellano	1k
VI Cerreto di Spoleto	1k
V L'Aquila	69k
IV Ancona	101k
IV Perugia	149k
III Firenze	372k
III Roma	2,563k

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/us20007guy>