

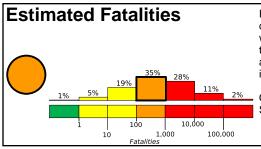




ANSSIMM **PAGER** Version 3

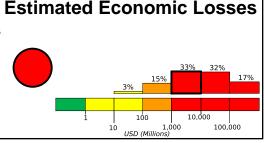
Created: 2 hours, 4 minutes after earthquake

M 6.6, CENTRAL ITALYOrigin Time: Sun 2016-10-30 06:40:19 UTC (07:40:19 local)
Location: 42.85°N 13.09°E Depth: 10 km



Red alert level for economic losses. Extensive damage is probable and the disaster is likely widespread. Estimated economic losses are less than 1% of GDP of Italy. Past events with this alert level have required a national or international level response.

Orange alert level for shaking-related fatalities. Significant casualties are likely.



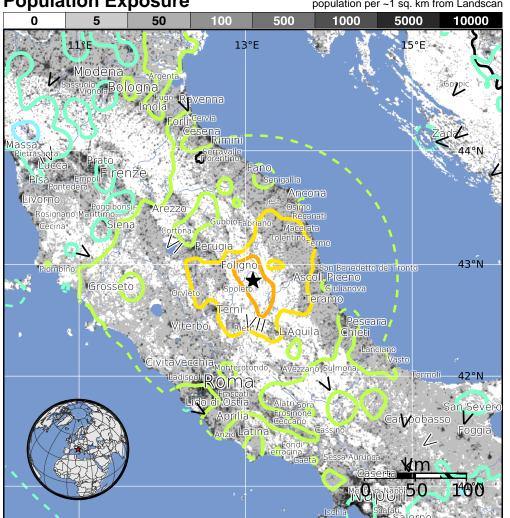
Estimated Population Exposed to Earthquake Shaking

	POPULATION (k = x1000)	*	50k*	3,665k*	12,806k*	6,838k	1,182k	50k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY			II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	D 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.

Population Exposure

population per ~1 sq. km from Landscan



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/us1000731j

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	Dist.	Mag.	Max	Shaking	
(UTC)	(km)		MMI(#)	Deaths	
1976-09-15			IX(234)	11	
1976-05-06	393	6.5	IX(55k)	965	
1980-11-23	294	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

ММІ	City	Population
VIII	Preci	< 1k
VIII	Norcia	5k
VIII	Visso	1k
VIII	Fluminata	< 1k
VIII	Accumoli	< 1k
VI	Perugia	149k
V	Roma	2,563k
IV	Napoli	989k
IV	Firenze	372k
IV	Bologna	371k

bold cities appear on map

(k = x1000)

Event ID: us1000731j