

**M 7.3, NEPAL**

Origin Time: Tue 2015-05-12 07:05:19 UTC (12:50:19 local)

Location: 27.81°N 86.07°E Depth: 15 km

**PAGER**  
**Version 6**

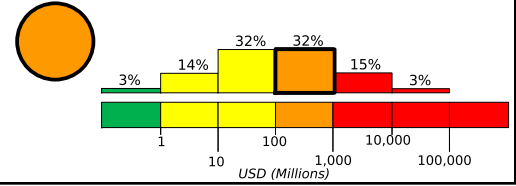
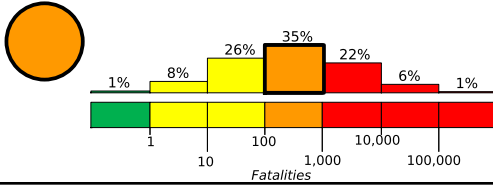
Created: 8 weeks, 3 days after earthquake

**Estimated Fatalities**

Orange alert for shaking-related fatalities and economic losses. Significant casualties and damage are likely and the disaster is potentially widespread. Past orange alerts have required a regional or national level response.

**Estimated Economic Losses**

Estimated economic losses are 0-1% GDP of Nepal.



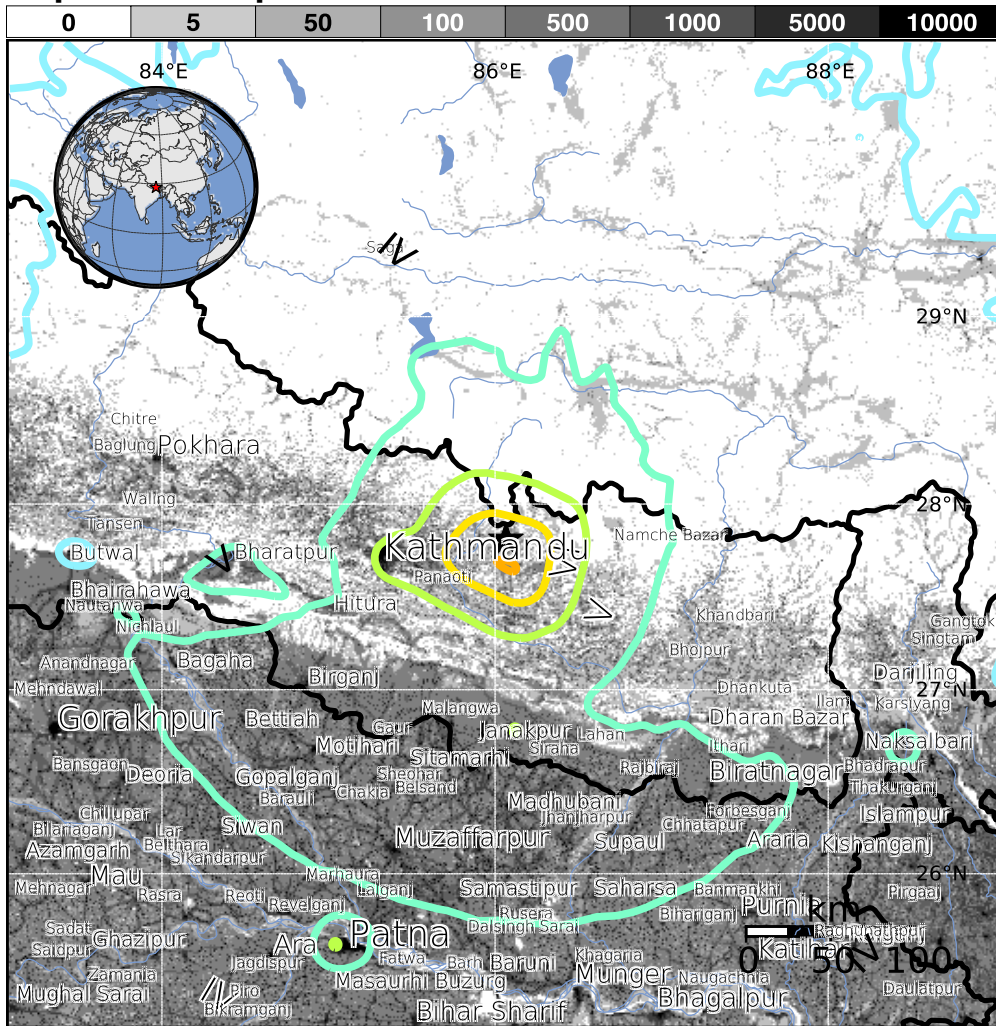
**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	143k*	97,249k*	60,008k	4,424k	604k	67k	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



**Structures:**

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unreinforced brick with mud and unknown/miscellaneous types construction.

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

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1998-09-03	77	5.6	VII(21)	0
1974-03-24	17	5.7	VIII(598)	0
1988-08-20	131	6.8	VIII(12k)	1k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

**Selected City Exposure**

from GeoNames.org

MMI City	Population
VII Banepa	17k
VII Bhaktapur	< 1k
VII Nagarkot	4k
VII Kodari	2k
VI Zham	< 1k
VI kankraborti Dovan	10k
VI Kathmandu	1,442k
VI Patna	1,600k
IV Dhankuta	22k
IV Pokhara	200k
IV Gangtok	31k

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/pager>

Event ID: us20002ejf