

# M 6.8, CENTRAL PERU

Origin Time: Sun 2014-08-24 23:21:45 UTC (18:21:45 local)

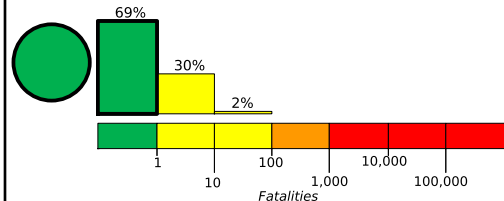
Location: 14.60°S 73.57°W Depth: 101 km

PAGER  
Version 3

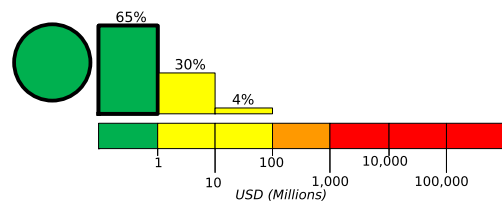
Created: 3 weeks, 1 day after earthquake

## Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



## Estimated Economic Losses



## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	2,523k*	3,443k	189k	2k	0	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 vulnerable to earthquake shaking, though some resistant structures exist.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-02-21	377	5.7	VII(5k)	0
1991-07-23	232	5.2	VII(3k)	12
2007-08-15	356	8.0	VIII(493k)	514

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

## Selected City Exposure

from GeoNames.org

MMI City	Population
V Incuyo	< 1k
V Tambo	5k
V Querobamba	< 1k
V Cabana	< 1k
V Pacapausa	< 1k
V Pampachiri	< 1k
IV Ica	247k
IV Ayacucho	140k
IV Arequipa	841k
IV Cusco	312k
III Huancayo	377k

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: usb000s5x1