

M 7.2, 8 km W of Atiquipa, Peru

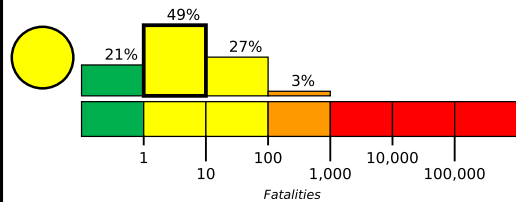
Origin Time: 2024-06-28 05:36:37 UTC (Fri 00:36:37 local)  
Location: 15.8106° S 74.4447° W Depth: 28.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

PAGER Version 3

Created: 1 day, 0 hours after earthquake

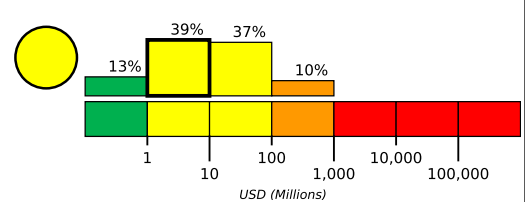
Estimated Fatalities



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 are less than 1% of GDP of Peru.

Estimated Economic Losses

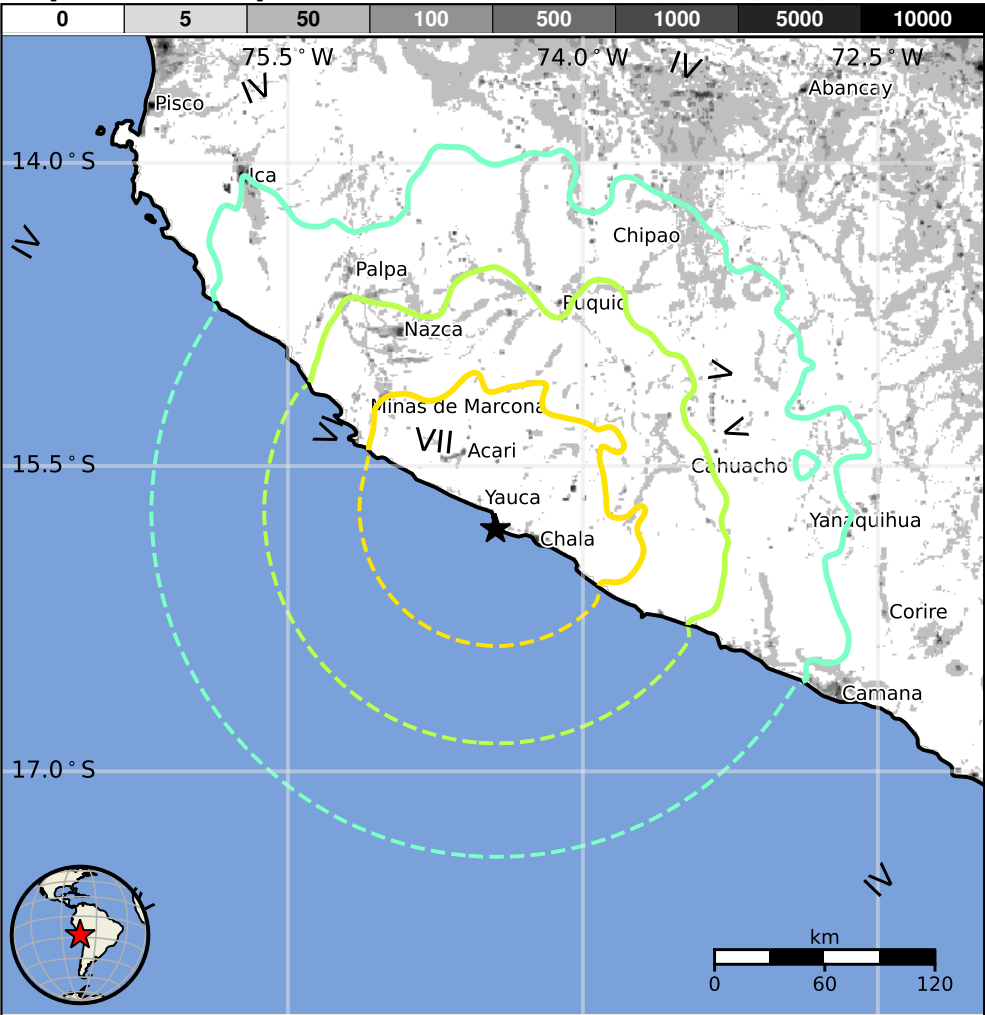


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	—*	1,856k*	434k	98k	68k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./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 highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1981-06-22	291	5.8	VII(5k)	6
1991-07-23	291	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
VII	Yauca	<1k
VII	Acari	4k
VII	Chala	<1k
VII	Lomas	<1k
VII	Atiquipa	<1k
VII	Tocota	<1k
V	Ica	247k
IV	Pisco	62k
IV	Chincha Alta	153k
IV	Abancay	55k
IV	Cusco	312k