

# M 6.7, OFFSHORE TARAPACA, CHILE

Origin Time: Sun 2014-03-16 21:16:29 UTC (16:16:29 local)

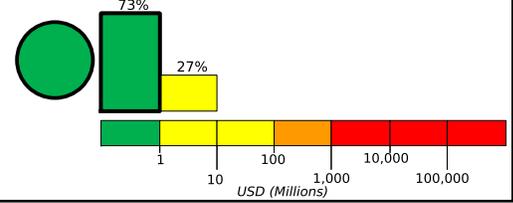
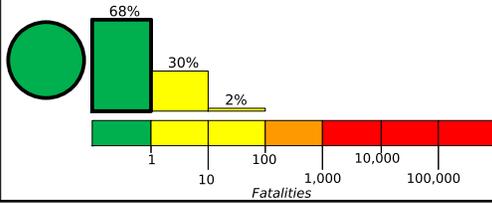
Location: 19.98°S 70.70°W Depth: 20 km

Created: 8 weeks, 0 days 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

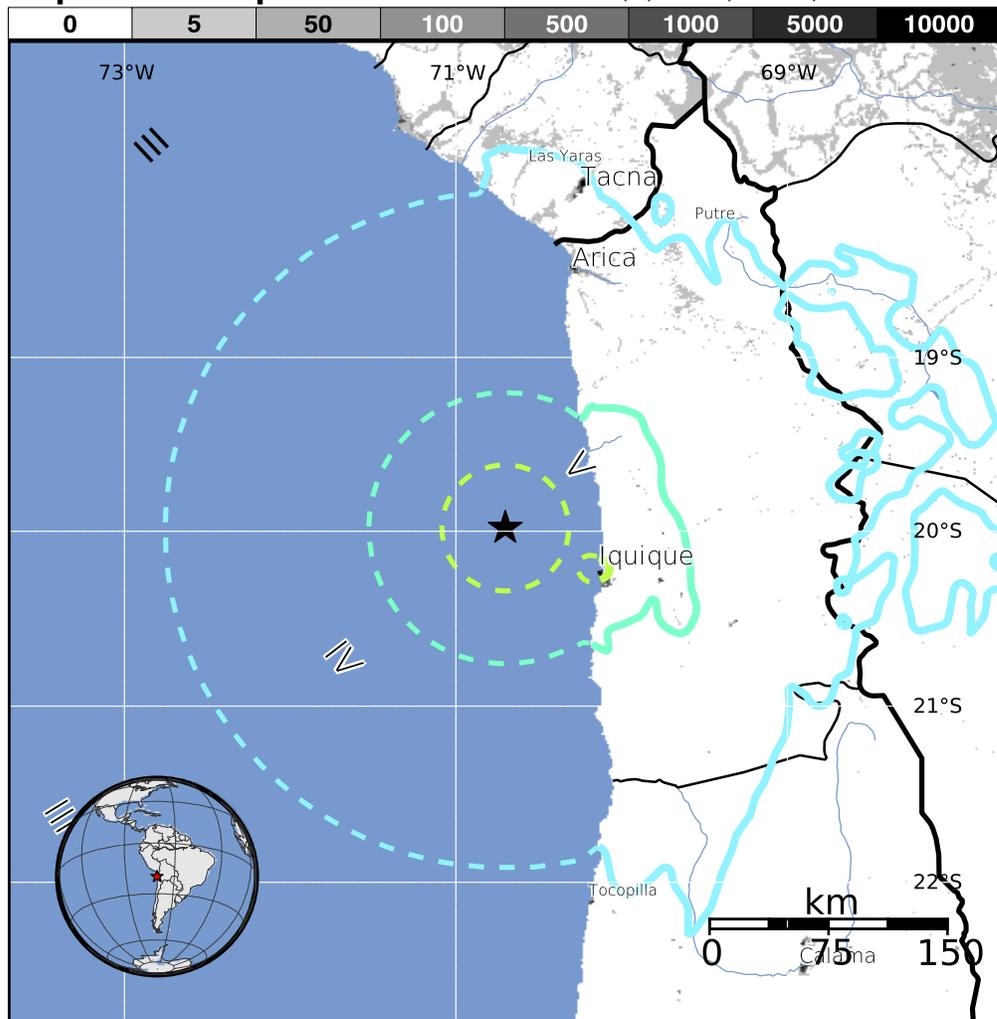


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	513k*	496k	23k	279k	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 resistant to earthquake shaking, though some vulnerable structures exist.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1974-01-02	371	6.8	VI(106k)	0
1987-08-08	102	7.2	VIII(112)	5
1981-06-21	52	5.7	VII(6k)	10

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
<b>VI Iquique</b>	<b>227k</b>
<b>IV Arica</b>	<b>186k</b>
<b>IV Las Yaras</b>	<b>&lt; 1k</b>
<b>IV Tacna</b>	<b>280k</b>
<b>IV Pocollay</b>	<b>&lt; 1k</b>
<b>III Ilo</b>	<b>53k</b>
<b>III Calama</b>	<b>143k</b>
<b>III Tocopilla</b>	<b>24k</b>
<b>III Moquegua</b>	<b>55k</b>
<b>III Patacamaya</b>	<b>12k</b>

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: usc000ndnj