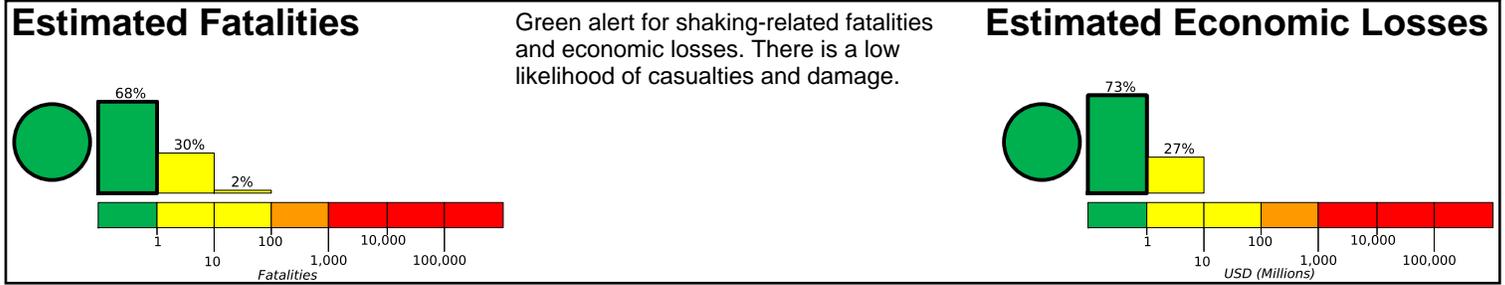


# M 6.3, OFFSHORE TARAPACA, CHILE

Origin Time: Sun 2014-03-23 18:20:01 UTC (13:20:01 local)

Location: 19.69°S 70.85°W Depth: 21 km

Created: 8 weeks, 3 days after earthquake



## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	915k*	484k	47k	0	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
1995-07-30	380	5.6	VI(573)	0
1987-08-08	124	7.2	VIII(112)	5
1981-06-21	81	5.7	VII(6k)	10

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

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Iquique	227k
IV	Arica	186k
IV	Las Yaras	< 1k
III	Pocollay	< 1k
III	Calana	< 1k
III	Tacna	280k
III	Ilo	53k
III	Moquegua	55k
III	Calama	143k
III	Mollendo	29k

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>