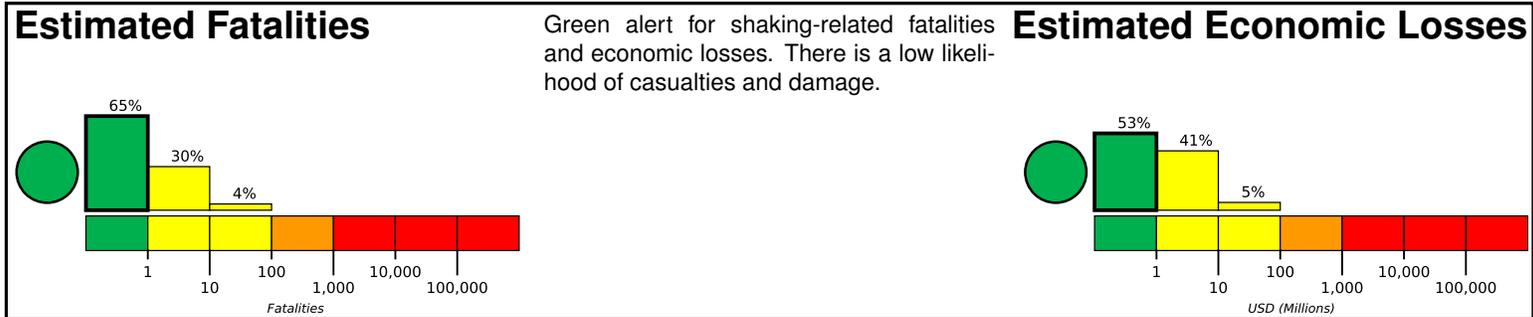


# M 6.1, 22 km NW of Tocopilla, Chile

Origin Time: 2022-07-28 04:15:03 UTC (Thu 00:15:03 local)  
Location: 21.9311° S 70.3386° W Depth: 54.0 km

**PAGER Version 12**

Created: 8 weeks, 3 days after earthquake

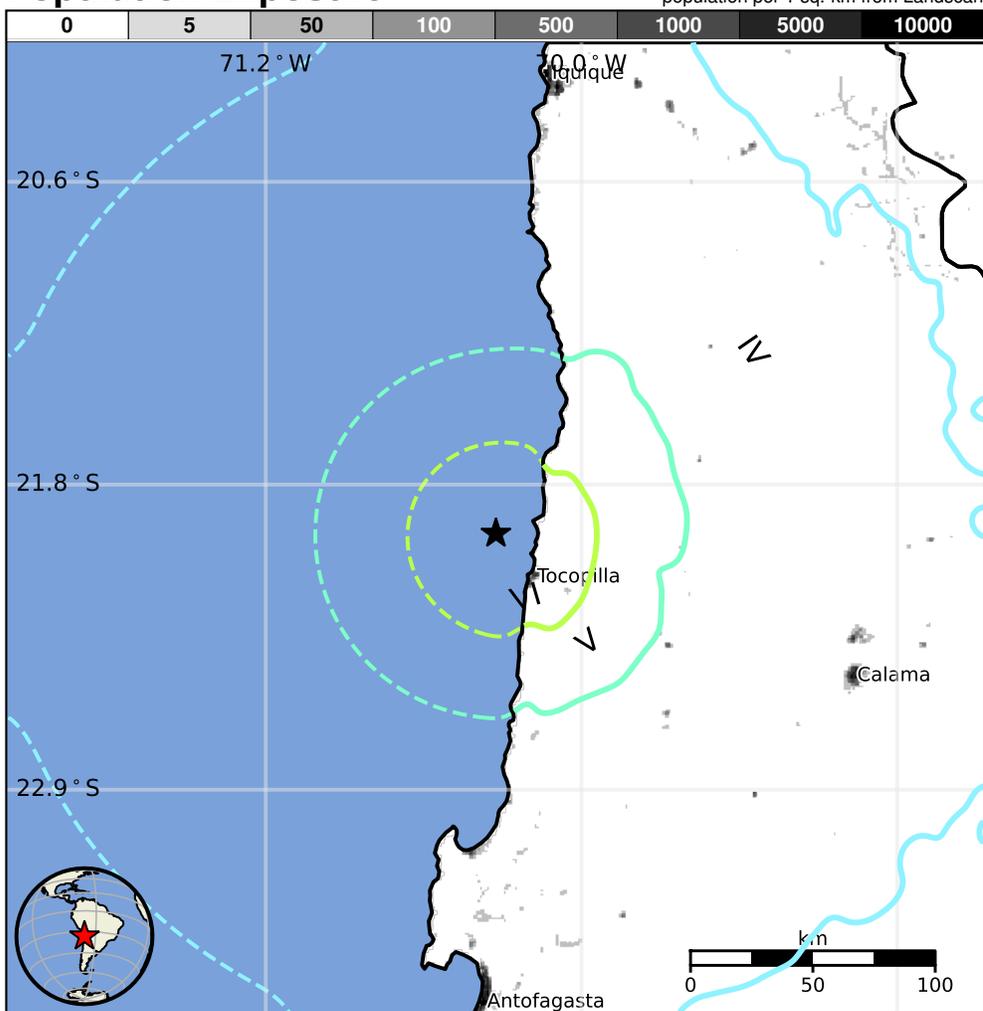


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	61k*	844k	1k	19k	8k	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 resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1987-03-05	275	7.5	VII(46k)	1
2007-11-14	58	7.7	VII(33k)	2
1981-06-21	184	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

MMI	City	Population
<b>VI</b>	<b>Tocopilla</b>	<b>24k</b>
IV	Calama	143k
IV	Iquique	227k
IV	Antofagasta	310k

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.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000i636#pager>

Event ID: us6000i636