



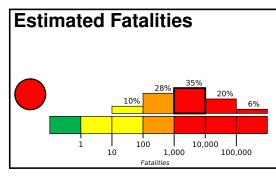


PAGER Version 19

Created: 5 weeks, 6 days after earthquake

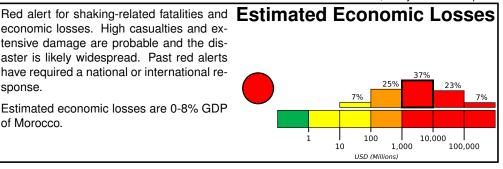
M 6.8, Al Haouz, Morocco

Origin Time: 2023-09-08 22:11:01 UTC (Fri 23:11:01 local) Location: 31.0580° N 8.3847° W Depth: 19.0 km



economic losses. High casualties and extensive damage are probable and the disaster is likely widespread. Past red alerts have required a national or international re-

Estimated economic losses are 0-8% GDP of Morocco.



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	736k*	10,702k*	4,575k	3,221k	811k	157k	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	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

population per 1 sq. km from Landscan

5000 9.8°W 6.2°W 32.9°N Sidi Bennou Talm est ssaouira 31.2°N Taznakht **Tata** Tiznit 29.6°N idi Ifni ١V •Guamim

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.

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 adobe block and unreinforced brick with mud construction.

Historical Earthquakes

l	Date	Dist.	Mag.	Max	Shaking	
l	(UTC)	(km)		MMI(#)	Deaths	
l	1992-10-23	390	5.5	V(72k)	2	
l	1992-10-30	386	5.6	V(71k)	_	
l	1960-02-29	147	5.8	IX(244k)	13k	

Selected City Exposure

lioni dedivanies.org					
MMI	City	Population			
VIII	Amizmiz	<1k			
VIII	Azgour	<1k			
VIII	Adassil	<1k			
VIII	Tizguine	<1k			
VII	Sidi Abdallah Ghiat	<1k			
VII	Moulay Brahim	<1k			
VI	Marrakesh	839k			
٧	Agadir	698k			
V	Beni Mellal	166k			
IV	Casablanca	3,145k			
Ш	Guelmim	98k			

bold cities appear on map.

(k = x1000)