

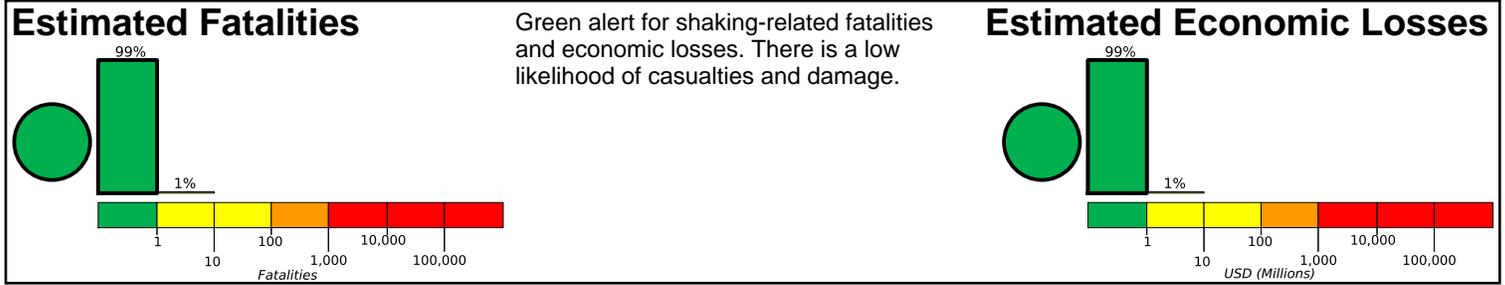
**M 4.0, OKLAHOMA**

Origin Time: Mon 2015-07-20 20:54:32 UTC (15:54:32 local)

Location: 36.85°N 98.20°W Depth: 5 km

**PAGER**  
**Version 2**

Created: 2 hours, 1 minute after earthquake

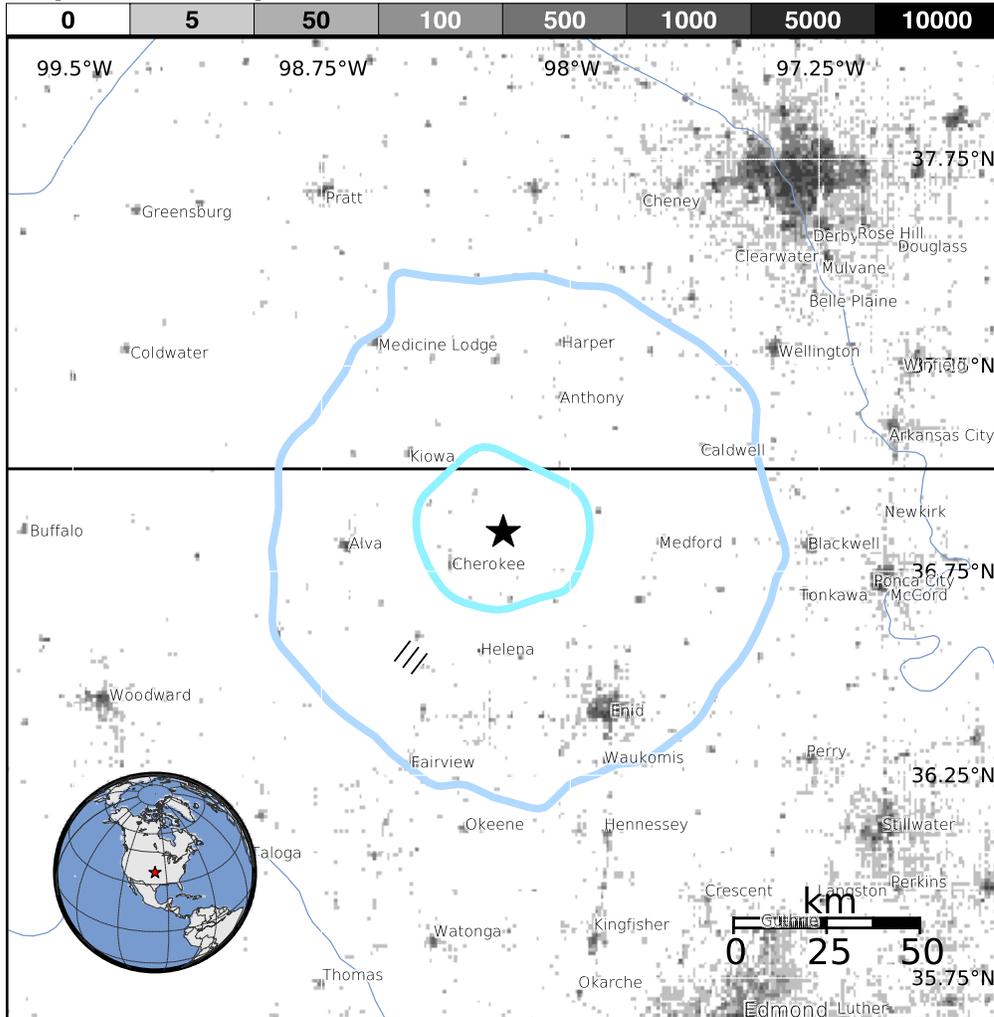


**Estimated Population Exposed to Earthquake Shaking**

<b>ESTIMATED POPULATION EXPOSURE (k = x1000)</b>		--*	1,097k	2k	0	0	0	0	0	0
<b>ESTIMATED MODIFIED MERCALLI INTENSITY</b>		I	II-III	IV	V	VI	VII	VIII	IX	X+
<b>PERCEIVED SHAKING</b>		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
<b>POTENTIAL DAMAGE</b>	<b>Resistant Structures</b>	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	<b>Vulnerable Structures</b>	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):**

There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
IV	Cherokee	1k
III	Kiowa	1k
III	Helena	1k
III	Medford	< 1k
III	Anthony	2k
III	Alva	5k
III	Enid	49k
II	Ponca City	25k
II	Edmond	81k
II	Stillwater	46k
II	Wichita	382k

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: us20002yqj