

**M 4.2, OKLAHOMA**

Origin Time: Tue 2015-03-17 23:45:32 UTC (18:45:32 local)

Location: 36.59°N 97.61°W Depth: 3 km

**PAGER**  
**Version 2**

Created: 2 hours, 1 minute after earthquake

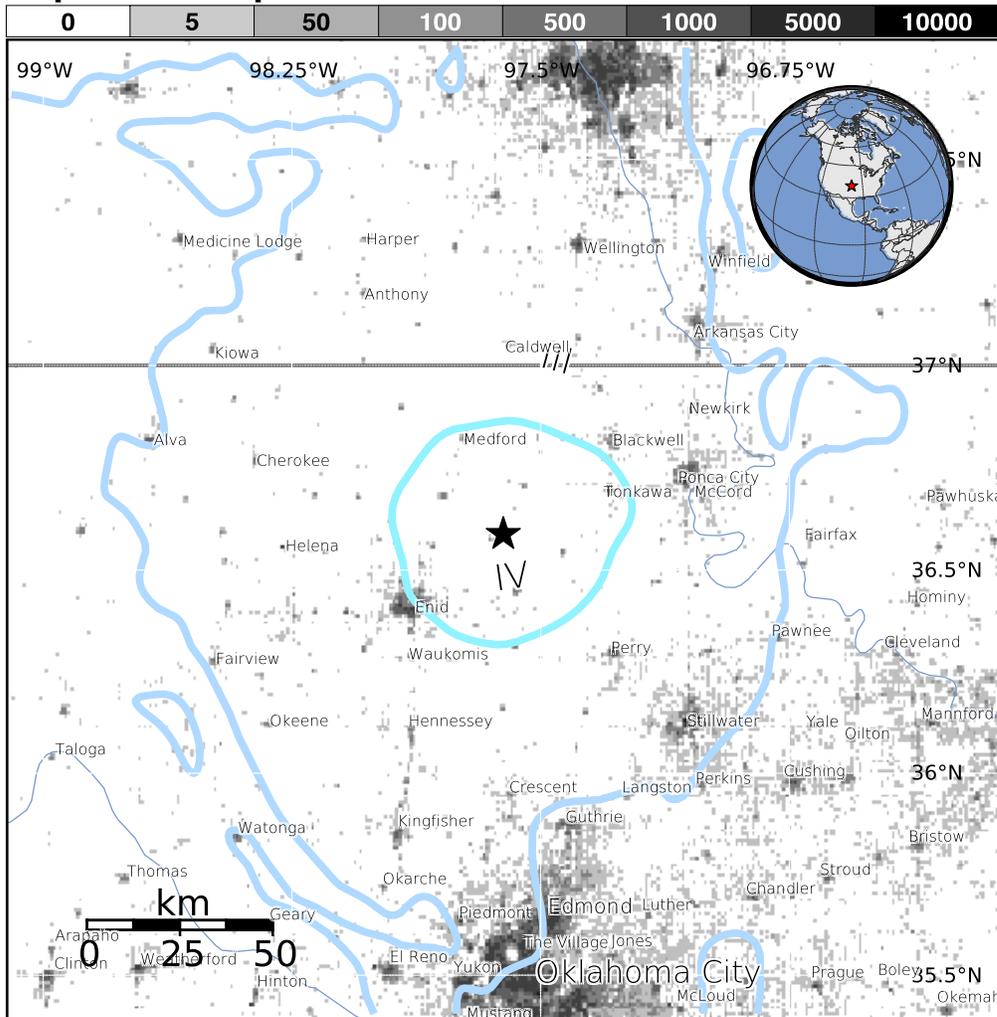


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	1,934k	31k	0	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):**

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	Medford	< 1k
IV	Tonkawa	3k
IV	Enid	49k
III	Blackwell	7k
III	Perry	5k
III	Waukomis	1k
III	Stillwater	46k
III	Wichita	382k
II	Edmond	81k
II	Midwest City	54k
II	Oklahoma City	580k

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: us10001nbd