

M 4.2, OKLAHOMA

Origin Time: Fri 2016-01-01 11:39:39 UTC (05:39:39 local)

Location: 35.69°N 97.43°W Depth: 5 km

Created: 4 days, 12 hours after earthquake

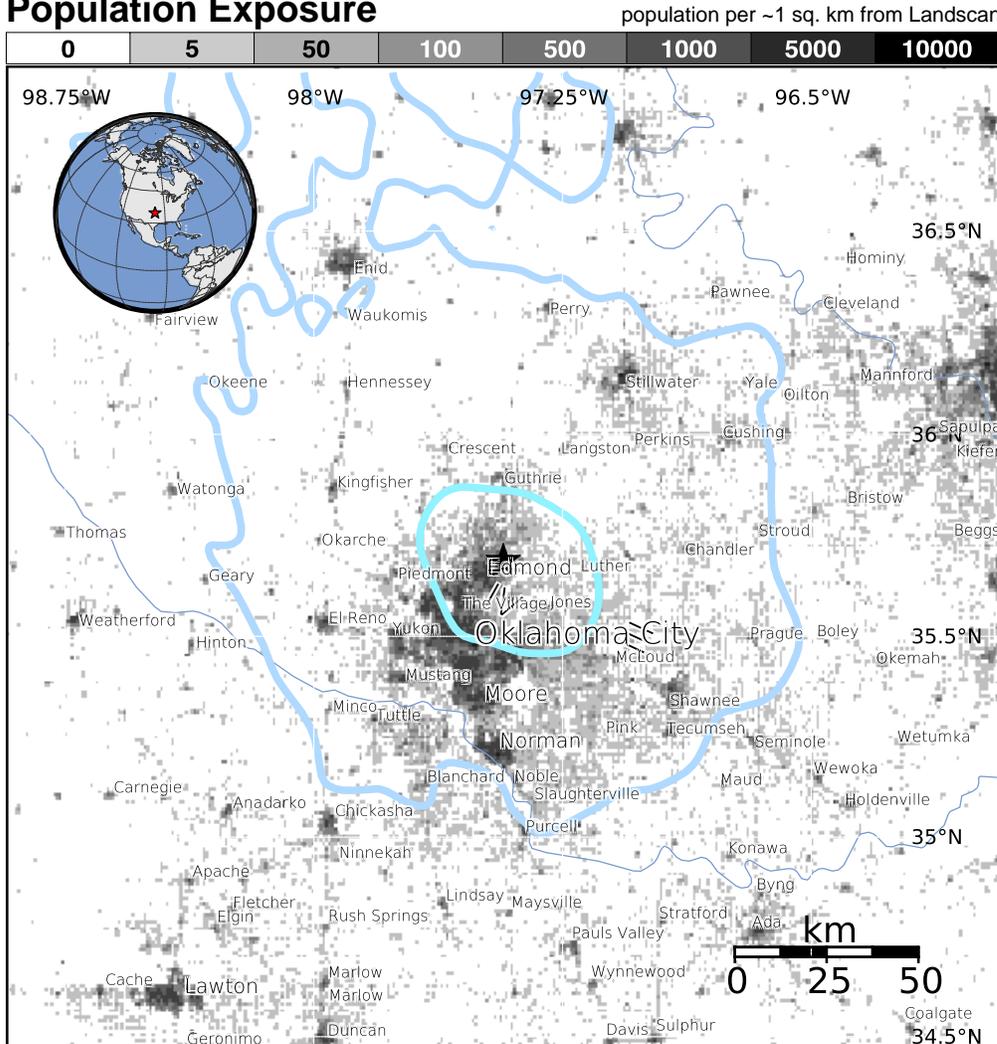


Estimated Population Exposed to Earthquake Shaking

| | | | | | | | | | | |
|---|-----------------------|----------|--------|-------|----------|----------|----------------|----------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k = x1000) | | --* | 2,111k | 340k | 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 | Edmond | 81k |
| IV | Jones | 3k |
| IV | Spencer | 4k |
| IV | Nichols Hills | 4k |
| IV | The Village | 9k |
| IV | Choctaw | 11k |
| III | Oklahoma City | 580k |
| III | Moore | 55k |
| III | Norman | 111k |
| II | Tulsa | 392k |
| II | Lawton | 97k |

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/earthquakes/eventpage/us10004aqq>

Event ID: us10004aqq