

U.S. Geological Survey - Earthquake Hazards Program

M 7.8 - 26 km E of Nurdağı, Turkey

2023-02-06 01:17:35 (UTC) | 37.174°N 37.032°E | 17.9 km depth

PAGER

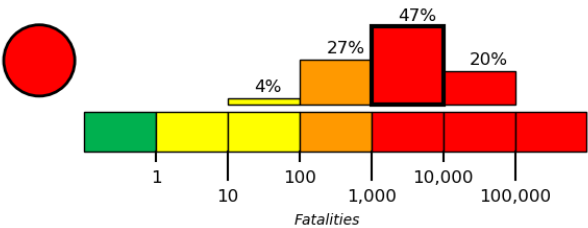
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Contributed by US<sup>2</sup> last updated 2023-02-06 05:23:36 (UTC)

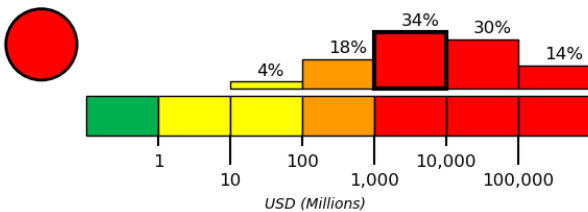
- ✓ The data below are the most preferred data available
- ⊗ The data below have **NOT** been reviewed by a scientist.

Estimated Fatalities



Red alert for shaking-related fatalities and economic losses. High casualties and extensive damage are probable and the disaster is likely widespread. Past red alerts have required a national or international response.

Estimated Economic Losses



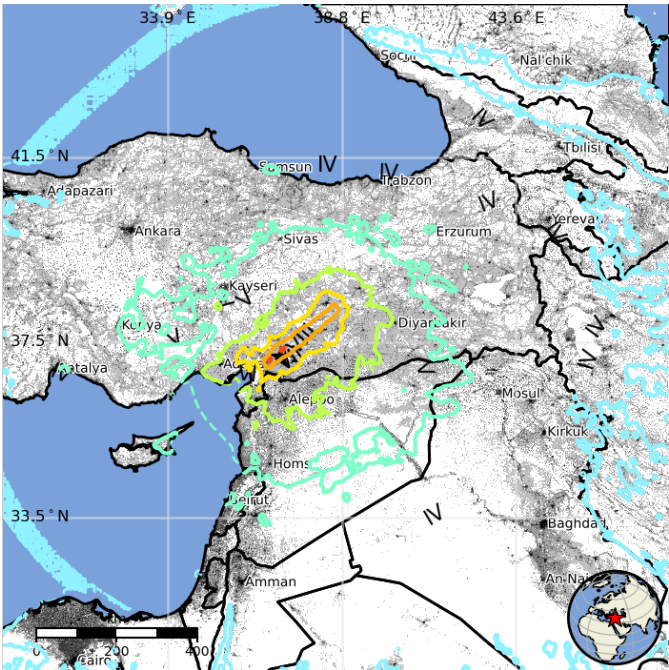
Estimated economic losses are 0-2% GDP of Turkey.

Estimated Population Exposure to Earthquake Shaking

Structure Information Summary

Overall, the population in this region resides in structures that are extremely vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unreinforced brick masonry and low-rise nonductile concrete frame with infill construction.

Secondary Effects



Population per ~1 sq. km. from LandScan

MMI	Shaking	Population
I	Not Felt	0 k*
II-III	Weak	11,813 k*
IV	Light	236,392 k
V	Moderate	21,316 k
VI	Strong	12,252 k
VII	Very Strong	4,850 k
VIII	Severe	540 k
IX	Violent	70 k
X	Extreme	0 k

\*Estimated exposure only includes population within map area (k = x1,000)  
[Modified Mercalli Intensity \(MMI\) scale](#)

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected Cities Exposed

☐ Show All Cities

MMI	City	Population
IX	Narli	0 k
IX	Beloren	0 k
VIII	Pazarcik	24 k
VIII	Nurdagi	13 k
VIII	Fevzipasa	0 k
VIII	Sakcagoz	0 k
IV	Ankara	3,517 k
IV	Baghdad	7,216 k
IV	Cairo	7,735 k
IV	Alexandria	3,812 k
IV	Istanbul	11,174 k

From GeoNames Database of Cities with 1,000 or more residents (k = x1,000)

**Downloads****For More Information**

- [Overview](#)
- [Impact Summary](#)
- [Scientific Background for PAGER](#)

**Contributors**

1. ADMIN
2. [USGS National Earthquake Information Center, PDE](#)

**Additional Information**

- [ANSS Comprehensive Earthquake Catalog \(ComCat\) Documentation](#)
- [Technical terms used on event pages](#)