

M 5.6, NEAR THE EAST COAST OF HONSHU, JAPAN

Origin Time: Sun 2014-06-15 20:14:50 UTC (05:14:50 local)

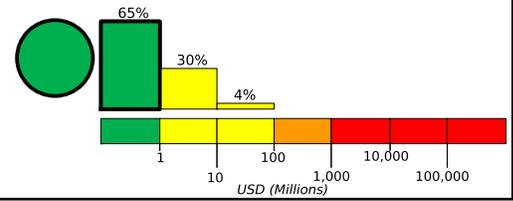
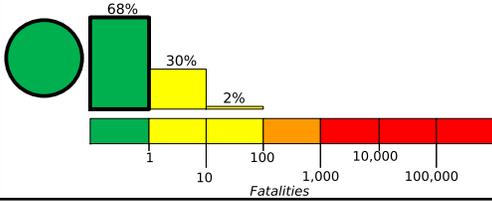
Location: 37.10°N 141.11°E Depth: 45 km

Created: 7 weeks, 4 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



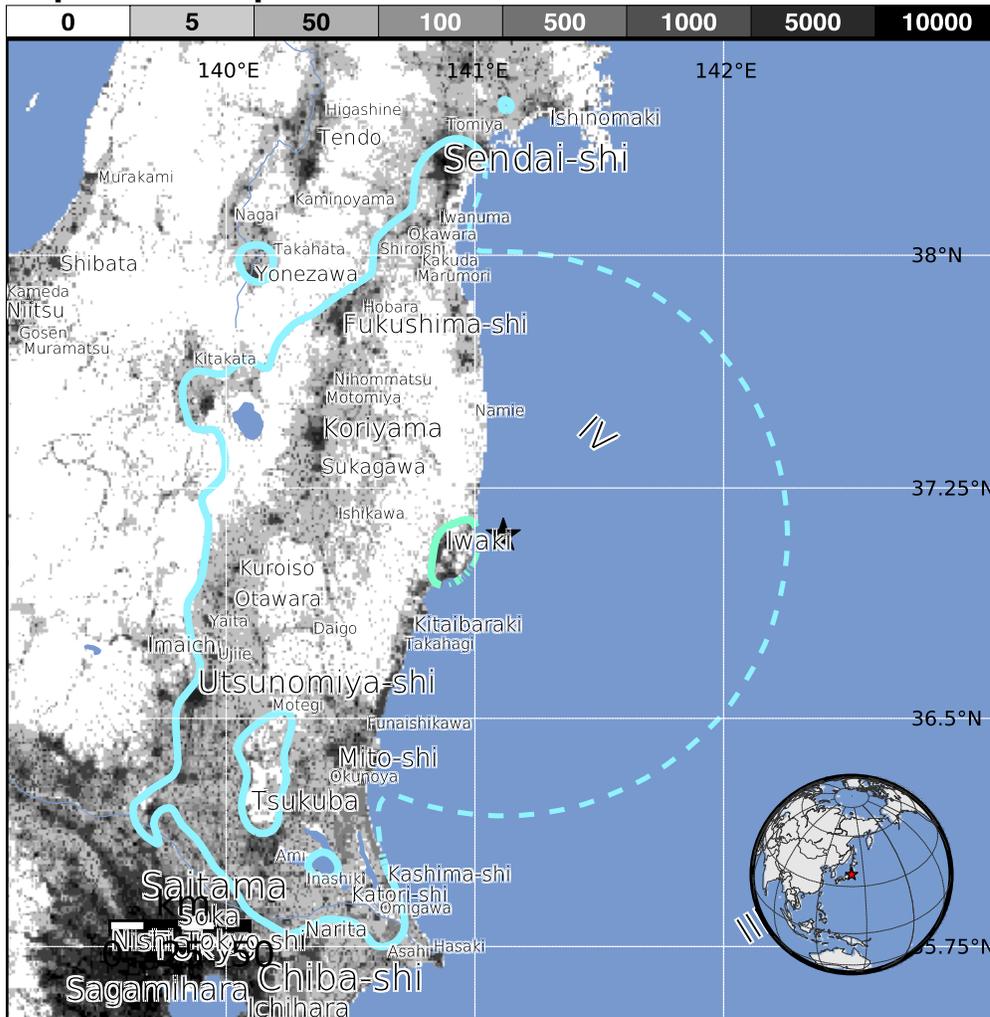
Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) | | - -* | 30,858k* | 8,117k | 324k | 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

population per ~1 sq. km from Landsat



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):

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1978-06-12 | 154 | 5.7 | V(281k) | 0 |
| 1980-09-23 | 172 | 5.3 | V(12,718k) | 1 |
| 1974-05-08 | 351 | 6.7 | IX(30k) | 27 |

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

Selected City Exposure

from GeoNames.org

| MMI City | Population |
|--------------------------|---------------|
| V Iwaki | 357k |
| IV Namie | 22k |
| IV Kitaibaraki | 51k |
| IV Takahagi | 34k |
| IV Ishikawa | 19k |
| IV Hobara | 25k |
| IV Sendai-shi | 1,038k |
| IV Utsunomiya-shi | 450k |
| III Saitama | 1,193k |
| III Chiba-shi | 920k |
| III Tokyo | 8,337k |

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: usc000rfv0