【The February 2025 version】

Bunkyo City Earthquake Disaster Prevention Map
〔Map of Tremors Prone Areas〕

Earthquake Disaster Prevention Map

The Bunkyo City Earthquake Disaster Prevention Map consists of the "Map of Tremor Prone Areas" and "Map of Structure Collapse Risk" in Bunkyo City, which were created assuming an earthquake occurred directly below the southern part of the center of the Tokyo Metropolitan area (magnitude 7.3 with the epicenter being near the boundary between Shinagawa City and Ota City). This assumption is based on "Expected damages in Tokyo due to earthquakes directly below the Tokyo Metropolitan Area" (published by the Tokyo Metropolitan Government on May 25, 2022).

Please note that this map assumes a earthquake directly below the southern part of the center of the Tokyo Metropolitan area, and that the actual seismic intensity and damage may differ depending on the epicenter and scale of the earthquake.

It is reported that there is a 70% chance of a large-scale earthquake of magnitude 7-class hitting the southern Kanto region within 30 years.

Please make good use of these maps to improve your level of awareness about disaster prevention and to prepare for earthquakes like making structures earthquake-resistant or taking measures to prevent household furniture from falling.

February 2025 Bunkyo City

Map of Tremors Prone Areas

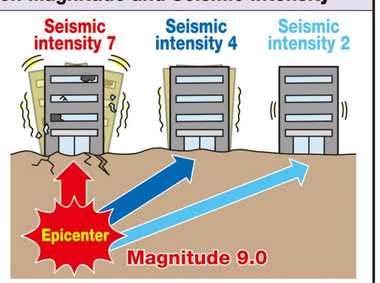
The "Map of Tremors Prone Areas" shows the seismic intensity of an earthquake occurred directly below the southern part of the center of the Tokyo Metropolitan area (magnitude 7.3).

This map shows the seismic intensity scale in 3 stages per 50m mesh.

(The susceptibility to tremors is not based on comparative assessment, but rather it shows the distribution of seismic intensity when a specific hypothetical earthquake occurred.)

Difference between Magnitude and Seismic Intensity

Magnitude refers to the size (scale) of the energy of the earthquake and seismic intensity refers to the strength of the tremors on the surface of the earth at each place. Generally, closer to the epicenter higher the seismic intensity, and further away from the epicenter lower the seismic intensity.



Legend (Seismic Intensity Scale)

Weak — Strength of Tremors — Strong

	Seismic intensity 5 upper	Seismic intensity 6 lower	Seismic intensity 6 upper		
Seismic Intensity Scale		Not applicable within the City			Not applicable within the City
Measured seismic intensity	Less than 5.4 to 5.6	Less than 5.6 to 5.8	Less than 5.8 to 6.0	Less than 6.0 to 6.2	More than 6.2

Other Legends

- Evacuation Shelter(city elementary and junior high schools)
- City Office/Community Center
- Fire Station/Branch Fire Station
- Police Station/Koban(Police Box)
- City Boundary
- Area Boundary

*By the end of 2015, important public buildings for disaster prevention in Bunkyo City including evacuation centers were repaired and made 100% earthquake resistant.

Relation between Seismic Intensity and Tremors

Seismic intensity 5 lower
- Most people are frightened.
- Unsecured furniture may move and unstable furniture may topple over.

Seismic intensity 5 upper
- Most people find it difficult to walk without holding onto something.
- Unsecured furniture may topple over.

Seismic intensity 6 lower
- It is difficult to remain standing.
- Wall tiles and glass windows may be damaged and fallen.
- Some wooden structures with low earthquake resistance may collapse.

Seismic intensity 6 upper
- It is impossible to remain standing or move without crawling.
- Some reinforced structures with low earthquake resistance may collapse.

Seismic intensity 7
- Unsecured furniture may get scattered.
- Even wooden structures with high earthquake resistance may tilt.

(Created based on Japan Meteorological Agency Seismic Intensity Scale Table March 2009)

Contact
Construction Guidance Division
Structure Section
☎ 03-5803-1264

1 : 10,000
100m 0 500m

Published in February 2025 Bunkyo City Urban Planning Department Construction Guidance Division Print Number H0424012 Bunkyo City Website Address (https://www.city.bunkyo.lg.jp/)
Made by Chuo Geomatics Co., Ltd.