

What will happen if a big earthquake strikes Shibuya?!

Building collapse	Casualties	Lifelines	Other
• Entire destruction 2,285 buildings	• Dead 33 people	Rate of suffering damages	• Will have difficulty returning home over 230,000 people
• Partial destruction 5,780 buildings	• Seriously injured 187 people	• Electricity 15.0%	• City gas 0%
※1	• Injured 1,476 people	• Water supply 31.4%	• Will need to stay in temporary shelters over 30,000 person
	※ due to collapse ※1	• Drainage 22.1%	• Elevators closed with people inside 460 elevators
		• Telephone 8.3%	※ 2
		※ In Shibuya City ※ 2	

※1 M 6.9, Metropolitan West, near-field earthquake, in the winter at 18:00, wind velocity of 15m/sec. (Basic research for earthquake disaster measures, Shibuya City, 2006)
※2 M 7.3, Epicenter in the northern part of Tokyo Bay, in the winter at 18:00, wind velocity of 6m/sec. (Metropolitan Disaster Prevention Committee, 2006)

If the above earthquake occurs, it will cause an earthquake with a seismic intensity of nearly 6 in Shibuya City. In this situation, it will be difficult for us to stand up, and big furniture will move and topple. In many buildings the walls will crack, the glass of windows will break, and doors will not open. In some places the seismic intensity will be a little over 6, we will not even be able to stand up, unreinforced concrete block walls will fall down and many weak wooden houses will collapse.

An earthquake might strike while you are out !
Let's prepare for earthquakes in our companies, working places, and schools!

- ★ Let's prepare emergency supplies.
portable radios, sneakers, instant foods
- * Prepare seasonally such goods as towels, portable body warmers, rain jackets, etc.
- ★ Make a map of the return route to your home.
Check the route on foot.
- ★ Join in the Disaster Prevention Drills.

The probability of the occurrence of a magnitude 7 earthquake in the southern Kanto area is **70%** in the next 30 years and **90%** in the next 50 years. (Source: The Earthquake Research Committee of the Ministry of Education, Culture, Sports, Science and Technology, "The General view of the national earthquake, forecast map," 2006 revised.)
Based on research of all of the buildings in Shibuya City and geological surveys, Shibuya City has produced a "Regional Risk Map" and a "Map of Shaking Probability" that indicate the risk of building-collapse. You can get the maps in the City Office.

Recovery days for lifelines throughout Tokyo:

★ Electricity	6 days
★ City Gas	53 days (No damage is assumed in Shibuya City.)
★ Water supply	30 days
★ Drainage	30 days
★ Communications	14 days

* Tokyo Regional Disaster Prevention Plans, earthquake edition (revised in 2007)

