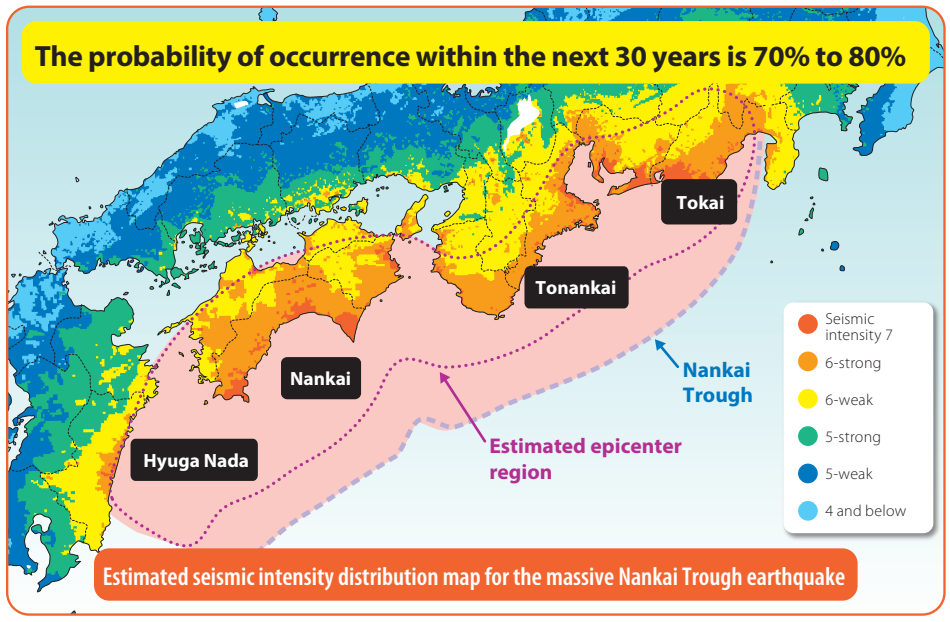
What will happen to Obu City?

It has been said that Obu City will also suffer damage from the massive earthquake, etc., that will eventually occur on the Nankai Trough, hence a hypothesis has been put together summarizing the extent of damage that may be sustained, in preparation for the earthquake.

Fear of the (Massive) Nankai Trough Earthquake occurring

Based on experience from the Great East Japan Earthquake, the Central Disaster Management Council's "Nankai Trough Massive Earthquake Countermeasures Working Group" predicted in the year 2012, a giant quake of around magnitude 9 will cause strong seismic vibrations and a tsunami that will cover a wide area. In 2013, the Headquarters for Earthquake Research Promotion released a report which abolished the previous distinction between the Nankai and Tonankai regions and viewed the Nankai Trough area of the Pacific Ocean as a single region and used this as a basis in January 1, 2018 to predict a 70% to 80% probability of a quake occurring in this region within the next 30 years.



Estimated seismic intensity distribution map for the massive Nankai Trough earthquake

(Source: Cabinet Office data)

Estimated damage from the Nankai Trough Earthquake (maximum seismic intensity 6-strong for Obu City)

	Complete collapse	No. of deaths	Breakdown of deaths			
			Flood / Tsunami	Building collapse, etc.	Fire	Steep slope collapse, etc.
Obu City	Approx. 1,200 buildings	Approx. 40 people	———	Approx. 40 people	Slight damage	Slight damage

Source: "Modelled on past major earthquakes" - Damage Prediction Survey, Earthquake Subcommittee, Aichi Prefecture Disaster Prevention Council

About active faults

The Geospatial Information Authority of Japan has reported active faults around Obu City. One is the Odaka – Obu fault which runs on the west side within the city and the other one is the Sanage – Sakaigawa fault line which runs on the east side. Earthquakes caused by active faults are said to occur at an interval of 40,000 years, but nobody really knows when it will occur.

Details regarding the location may be confirmed using the active fault map from the Geospatial Information Authority of Japan.

About the active fault map - Geospatial Information Authority of Japan

http://www.gsi.go.jp/bousaichiri/active_fault.html