

## Disaster management when an "Off the Coast of Hokkaido and Sanriku Subsequent Earthquake Advisory" is issued

Need for immediate evacuation in the event of an earthquake

**Be ready to evacuate immediately from tsunamis if you feel tremors or a tsunami warning is issued**

**Be ready to evacuate even during the night**

- ☐ Wear clothes suitable for a quick escape
- ☐ Stay in the same room as children, the elderly, or others requiring special care
- ☐ Use the room that is the safest and easiest to escape from



**Keep an emergency kit on hand**

- ☐ Carry an emergency kit with you during the day, and keep it by your bed during the night
- ☐ Carry your ID and valuables with you at all times
- ☐ Keep cold weather gear on hand for cold and snowy weather

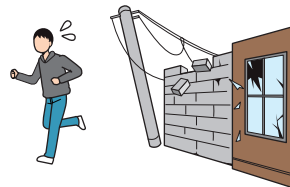


Places at high risk from earthquakes

**Ensuring safety from potential risks**

**Be ready for collapses caused by earthquakes**

- ☐ Stay away from damaged buildings and fragile concrete block walls as much as possible



**Beware of landslides**

- ☐ Stay away from areas with a high risk of landslides due to the preceding earthquakes as much as possible
- ☐ Avoid sleeping in buildings that are near cliffs if there is a risk of landslides
- ☐ If staying at a place where it is difficult to evacuate from a tsunami after an earthquake, beware of the risk, and stay alert at all times



**Essential preparations for everyone while staying alert for subsequent earthquakes**

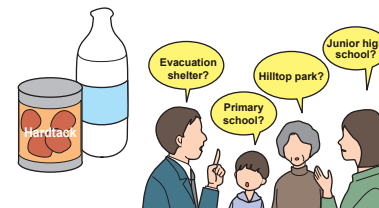
**Ensure access to emergency information**

- ☐ Keep the speaker volume of cell phones, etc. that can receive emergency information higher than normal
- ☐ Place radios or receivers for disaster administration wireless communications in daily life spaces



**Reconfirm daily preparations**

- ☐ Water, food, and other supplies
- ☐ Evacuation shelters, routes, etc.
- ☐ Means to contact family members
- ☐ Secure furniture
- ☐ Disaster drills at the community level

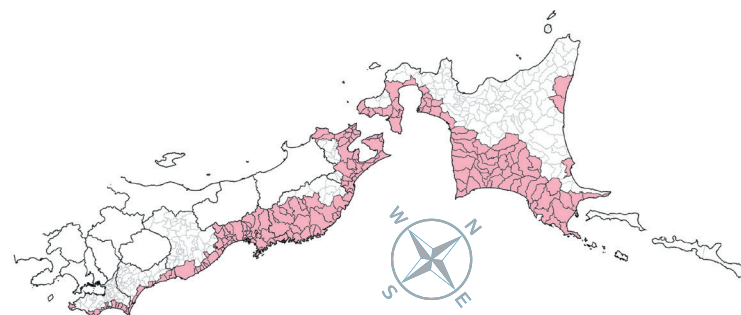


**Areas for disaster preparedness when an "Off the Coast of Hokkaido and Sanriku Subsequent Earthquake Advisory" is issued**

The areas range from Hokkaido to Chiba prefectures.

**Basic concept of areas for disaster management**

- Areas with a seismic intensity of lower 6 or higher
- Areas where tsunami heights are 3 m or more
- Areas where disaster preparedness is considered necessary to ensure the integrity of disaster management for earthquakes



Contact



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# Megaquakes along the Japan and Chishima Trenches

--Preparations--

**Knowledge can save your life and the lives of your loved ones**

In the region along the Japan and Chishima Trenches, a wide variety of earthquakes have occurred, including those on plate boundaries, causing great damage many times. Stay prepared for sudden earthquakes, and be ready for subsequent earthquakes if an "Off the Coast of Hokkaido and Sanriku Subsequent Earthquake Advisory" is issued.

Source region of the Tohoku-Pacific Ocean Earthquake

The probable source region of megaquakes along the Japan and Chishima Trenches

Maximum seismic intensity of

7

Expected tsunami height

Up to 30m

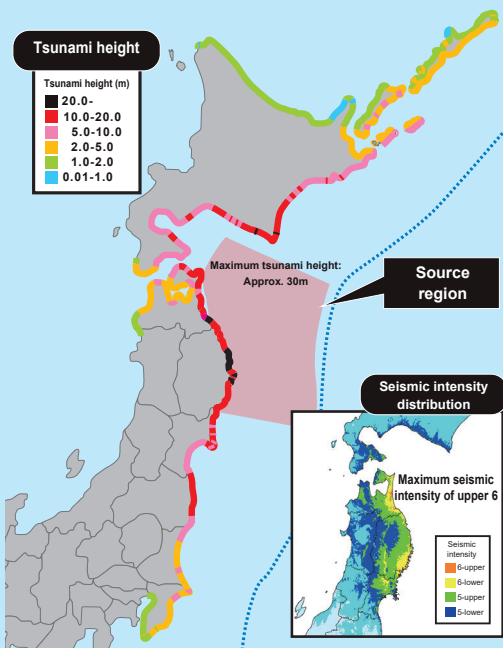
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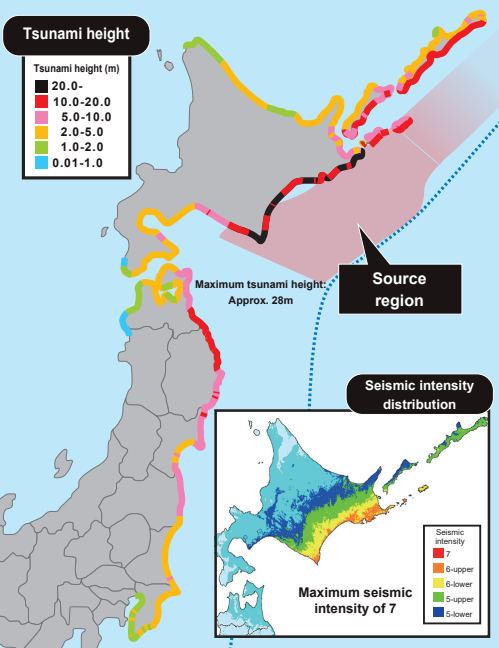
## Expected tsunami and seismic intensity

If a huge earthquake occurs along the Japan and Chishima Trenches, significant damage may occur over a wide area from Hokkaido to Chiba prefectures. Tsunamis could cause severe damage, especially in coastal areas. Areas where major damage is anticipated need to prepare for massive earthquakes along the Japan and Chishima Trenches.

## Earthquakes along the Japan Trench



## Earthquakes along the Chishima Trench



## Damage Estimates and Disaster Prevention Measures

- If an M9 class huge earthquake occurs, **\*approximately 199,000 people will die in the worst case\***
- Even after escaping from a tsunami, the risk of **death from hypothermia increases due to prolonged exposure to cold conditions**
- **Damage can be reduced by approximately 80% through preparing in advance, such as improving evacuation awareness and preparing cold weather gear**

Note: An M9.1 earthquake occurs off the coast of Sanriku and Hidaka along the Japan Trench in the middle of the night in winter or when residents have a low awareness of the need to evacuate

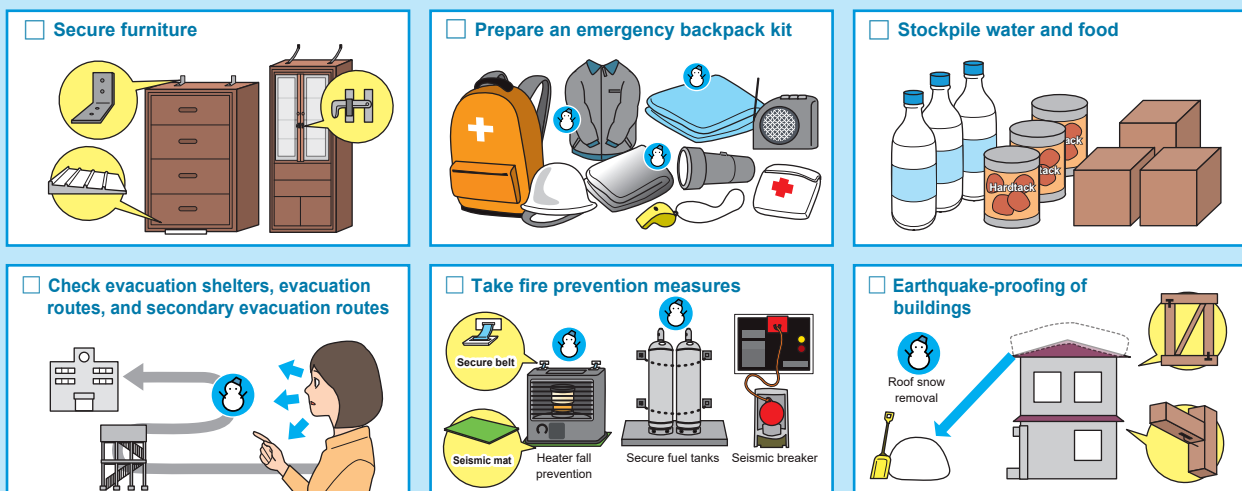
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**Stay prepared for earthquakes on a regular basis**



: Preparations especially in snowy and cold regions

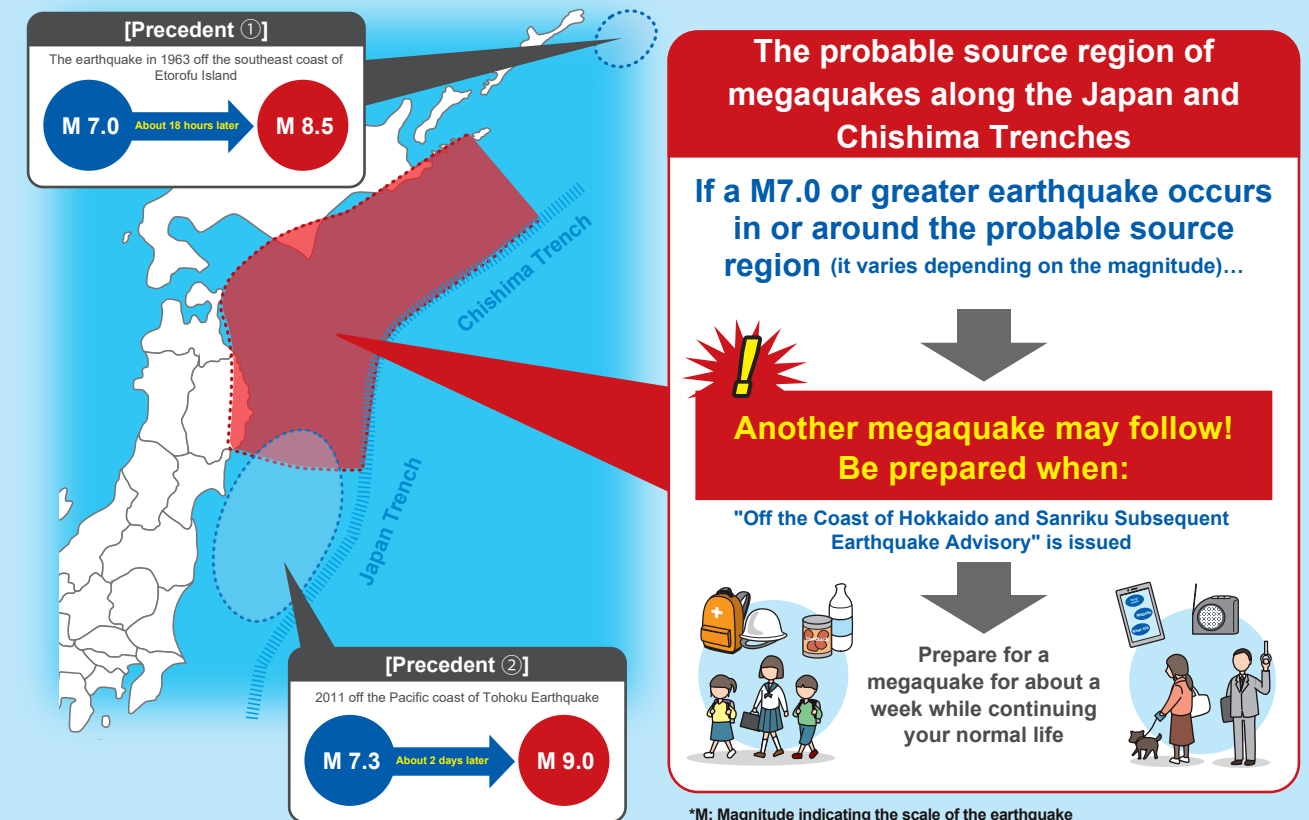
**Stay prepared to protect your life and the lives of your loved ones in the event of a sudden earthquake**

**Prepare for potential huge earthquakes to follow**

**- Off the Coast of Hokkaido and Sanriku Subsequent Earthquake Advisory -**


In the areas along the Japan and Chishima Trenches, there have been cases where a large earthquake (a subsequent earthquake) followed a magnitude 7 class earthquake. To save as many lives as possible, an "Off the Coast of Hokkaido and Sanriku Subsequent Earthquake Advisory" is issued when an M7 or higher earthquake occurs in or around the probable source region due to the relatively higher possibility of subsequent large earthquakes than usual, despite the low likelihood of occurrence.

**When an advisory is issued, reconfirm your usual earthquake preparations while continuing your socioeconomic activities for about a week after the earthquake, and be ready to evacuate immediately if you feel a tremor or a tsunami warning is issued.**




\*M: Magnitude indicating the scale of the earthquake

## Notes on the Off the Coast of Hokkaido and Sanriku Subsequent Earthquake Advisory

 Taking into account global examples, the probability of subsequent earthquakes is about one in a hundred, so it is not guaranteed that a large subsequent earthquake will occur within a week.

**!** It is important to prepare for earthquakes on a daily basis, assuming that a huge earthquake will occur suddenly without any prior announcement of an advisory.

 The national and local governments are not calling for advance evacuations, but for about a week after an earthquake, you should be more cautious than usual about a large earthquake, and be ready to evacuate immediately if you feel tremors or a tsunami warning is issued.

**!** The one-week period takes into account the limit to which people can continue to respond, so it does not mean that the possibility of subsequent earthquakes will disappear after one week. You should stay alert for earthquakes.