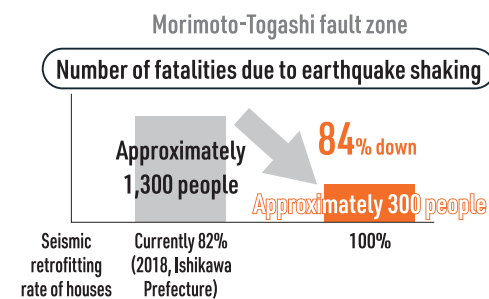


03 Four Disaster Risk Reduction Measures

Seismic retrofitting of buildings

It saves lives by preventing buildings from collapsing. Make your home earthquake-resistant with seismic retrofitting!



COLUMN

It is estimated that approximately 90% of the fatalities in the 2024 Noto Peninsula Earthquake were due to building collapses.

Retrofitting example



Inquiries

Ishikawa Prefecture Housing Seismic Retrofitting Promotion Program



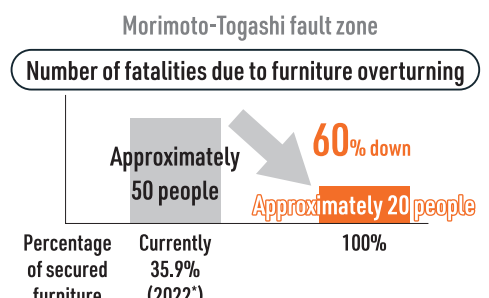
Flow of seismic retrofitting and amount of subsidy



Securing furniture

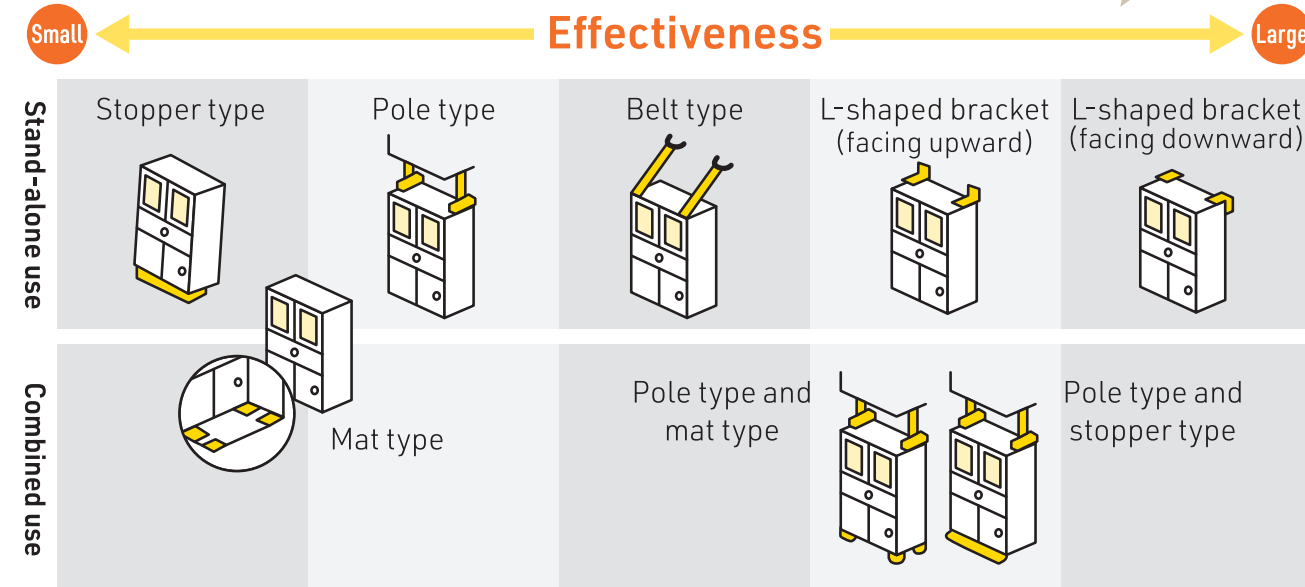
Furniture falling over due to an earthquake may cause injury or prevent evacuation. Secure your furniture to stay safe!

*Public Opinion Survey on Disaster Prevention (Cabinet Office)



POINT

L-shaped brackets facing downward is highly effective. If you cannot drill holes in the wall, you can also use poles (tension rods) and stoppers.

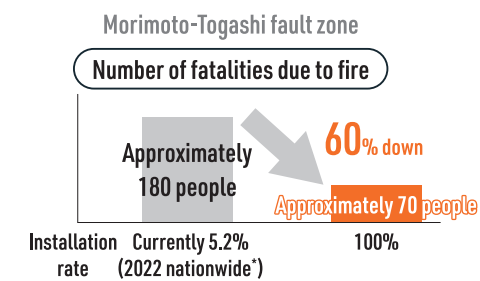


©Plus Arts NPO

Installation of seismic breakers

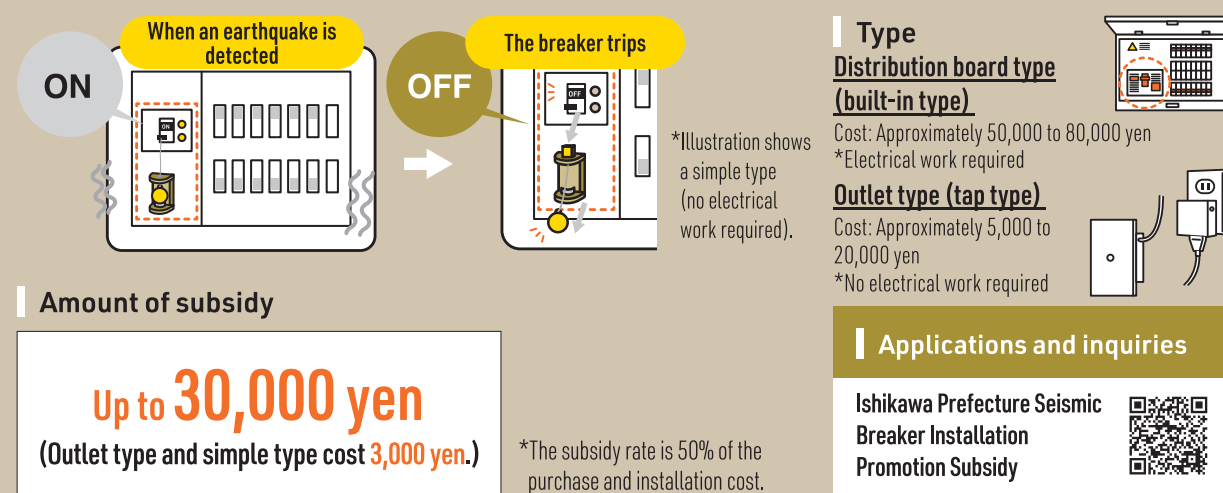
This device detects the shaking of an earthquake and automatically cuts off the electricity to prevent fires.

*Public Opinion Survey on Disaster Prevention (Cabinet Office)



COLUMN

The large-scale fire centered on Wajima Asaichi Street is believed to have been caused by damaged electrical wiring.



Stockpiling at home

At least three days' worth of food and portable toilets, preferably a week's worth, should be stocked in each household.

COLUMN

Following the 2024 Noto Peninsula Earthquake, road conditions delayed the arrival of relief supplies by three to four days.

Standard stockpiling (for two adults for one week)

Necessities	Main dishes (protein)	Staple foods (carbohydrates)	Toilet
Water 2 liters x 24 pcs (Approximately 3 liters per person per day)	Canned meat, vegetables, beans, etc. 18 pcs	Rice 2 kg x 2 pcs	Portable toilet 10 times x 7 days (Average number of excretions per adult: 5 times)
Portable gas stove and gas cylinders 12 pcs	Vacuum-packed foods such as beef bowls and curry 18 pcs	Packaged precooked rice 6 pcs	
	Vacuum-packed foods such as pasta sauce 6 pcs	Cup noodles 6 pcs	
		Dried noodles Thin noodles 300 g x 2 pcs Pasta 600 g x 2 pcs	

*It may be necessary to stock foods suitable for allergies and chronic diseases, milk for infants, etc.

Source: Public Relations Office, Government of Japan

Stock rotation

With this stockpiling method, you usually buy a little extra food and replenish only the items you eat. Even in the event of a disaster, you can eat without worry as you will be able to put meals you are familiar with on the table.



Knowing Is the First Step in Safeguarding Lives

Start preparing for earthquakes today !



01 Possible Major Earthquake in Ishikawa Prefecture

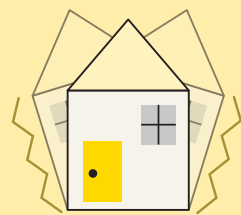
All cities and towns are at risk of intensity 6 Upper.

According to the estimated earthquake damage investigation conducted by Ishikawa Prefecture, all cities and towns in the prefecture are expected to have a maximum seismic intensity of 6 Upper or higher.

In the Morimoto-Togashi fault zone, which is expected to suffer the most severe damage, it is estimated that approximately 47,000 buildings will be completely destroyed, and around 2,200 people will lose their lives.

Click here for the earthquake damage assessment.
Earthquake Damage Assessment for Ishikawa Prefecture

Search



When you are hit by an earthquake of intensity 6 Upper

The intense shaking makes it impossible to stand, necessitating crawling to move.

Cracks form in building walls, and many structures may tilt or fall.

Ground cracks appear on roads, and lifeline services such as water and electricity are widely disrupted.

Fault zones where damage was estimated

Noto-hanto-hokugan fault zone

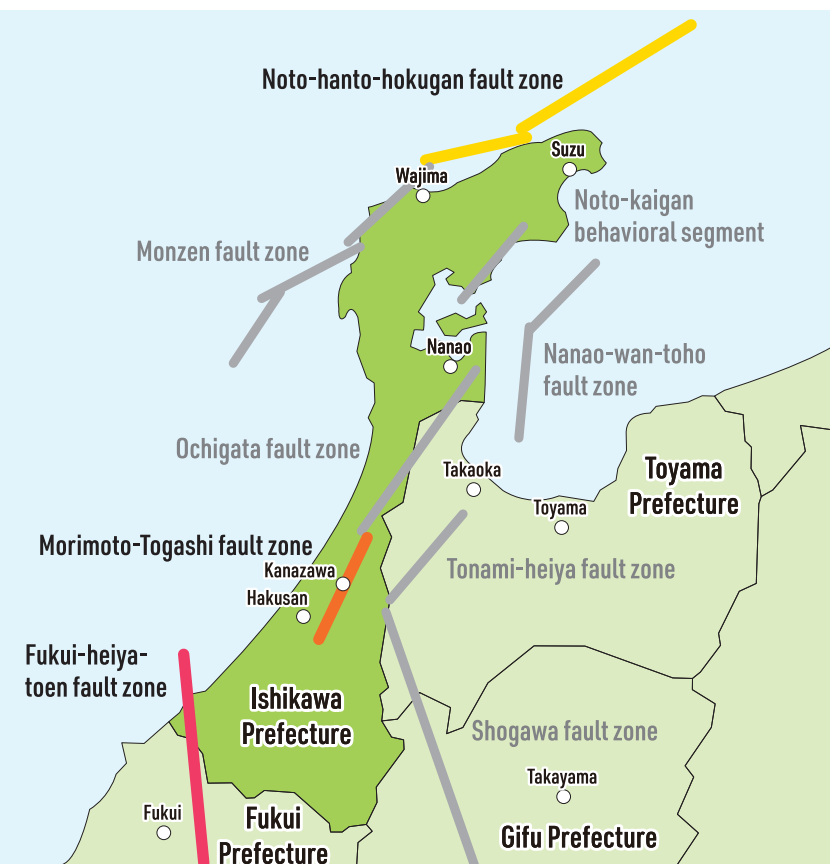
Totally collapsed or burned buildings	23,956
Fatalities	1,286
Disaster-related deaths	62 to 125
Evacuees (One week later)	28,516

Morimoto-Togashi fault zone

Totally collapsed or burned buildings	46,947
Fatalities	2,212
Disaster-related deaths	384 to 768
Evacuees (One week later)	191,898

Fukui-heiya-toen fault zone

Totally collapsed or burned buildings	38,148
Fatalities	1,782
Disaster-related deaths	176 to 352
Evacuees (One week later)	88,059



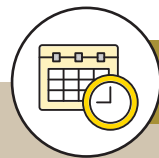
Inquiries:

Crisis Response Division, Crisis Management
Department, Ishikawa Prefecture

1-1 Kuratsuki, Kanazawa City
929-8580

TEL 076-225-1482

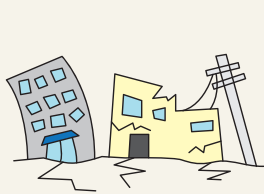
02 What Happens around You after an Earthquake



Immediately after the earthquake

An earthquake occurs at 5:00 AM in winter.

Damage due to shaking and liquefaction



- Many old buildings with low seismic resistance will collapse.
- Shaking will cause many casualties.
- Liquefaction will also cause damage to coastal areas.

Communication failure due to widespread power outages



- Due to power outages, it may not be possible to charge mobile phones and other devices, preventing people from contacting their families.
- If communication facilities go down, you may not be able to make calls or use the Internet.

Damage caused by fire

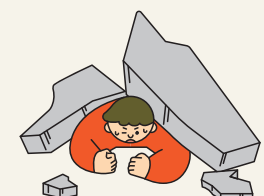


- Multiple fires have broken out in areas densely populated with wooden houses.
- Fires may break out in electrical equipment and wiring when power is restored.

Damage to lifelines and transportation facilities

- Lifelines such as water and sewage will be damaged, making bathing and toilet facilities inoperable.
- Long lines will form at gas stations, making refueling difficult.
- If a power outage persists, lighting, heating, and air conditioning will be unavailable in evacuation centers, making evacuation difficult.

Damage to people due to collapsed buildings



- If people are trapped under a building, their rescue will become difficult.
- Even after being saved, the intense pressure that was placed on their body may cause them to die.

Damage to roads

- Even if emergency road repairs have progressed, emergency vehicles will have priority, which will limit access for regular vehicles.



The 2024 Noto Peninsula Earthquake caused extensive damage!

Buildings collapsed and large-scale fires broke out.



Damage due to furniture overturning



- Unsecured furniture will overturn, causing casualties.

A few days later

One week later

One month later

*Damage may expand due to aftershocks, rain, snow, etc.

Overcrowding in evacuation shelters, deterioration of hygienic conditions, and occurrence of disaster-related deaths



- When evacuation shelters become full, people overflow into hallways and shared spaces.
- In winter, infectious diseases such as influenza are more likely to occur, while in summer, hygiene-related issues tend to arise.
- Prolonged evacuation can lead to deteriorating health or worsening of chronic conditions, which may become life-threatening.

Outbreak of economy class syndrome mainly among people sleeping in their cars



- Prolonged sleeping in a car will make you worry about the heat and cold, as well as the impact on your health.
- It may be difficult to continue outdoor evacuation in winter.

The emergence of isolated communities

- In isolated areas such as hilly and mountainous regions, transporting supplies by road becomes difficult, leading to shortages of essential goods for daily life.
- When communication is cut off, evacuees lose the means to obtain information on their own.

Shortage of goods



- Traffic jams will be caused by impassable roads and restrictions, and the movement of goods and people will be hindered.
- There will be a shortage of daily necessities such as baby products, feminine hygiene products, and medicines.

Delay in issuing victim certificates



- Issuance of victim certificates may be delayed due to the large number of damaged buildings and blocked roads.

Prolonged emergency restoration works due to labor, materials, and equipment shortages

- Due to damage to roads and other factors, necessary personnel and materials may not be transported, leading to an extended emergency restoration period.

Implementation of wide-area evacuation

- If recovery is prolonged, temporary wide-area evacuations to outside the disaster area (intermediate and secondary evacuations) may become necessary.
- Some people may get sick due to unfamiliar environments and relationships.