

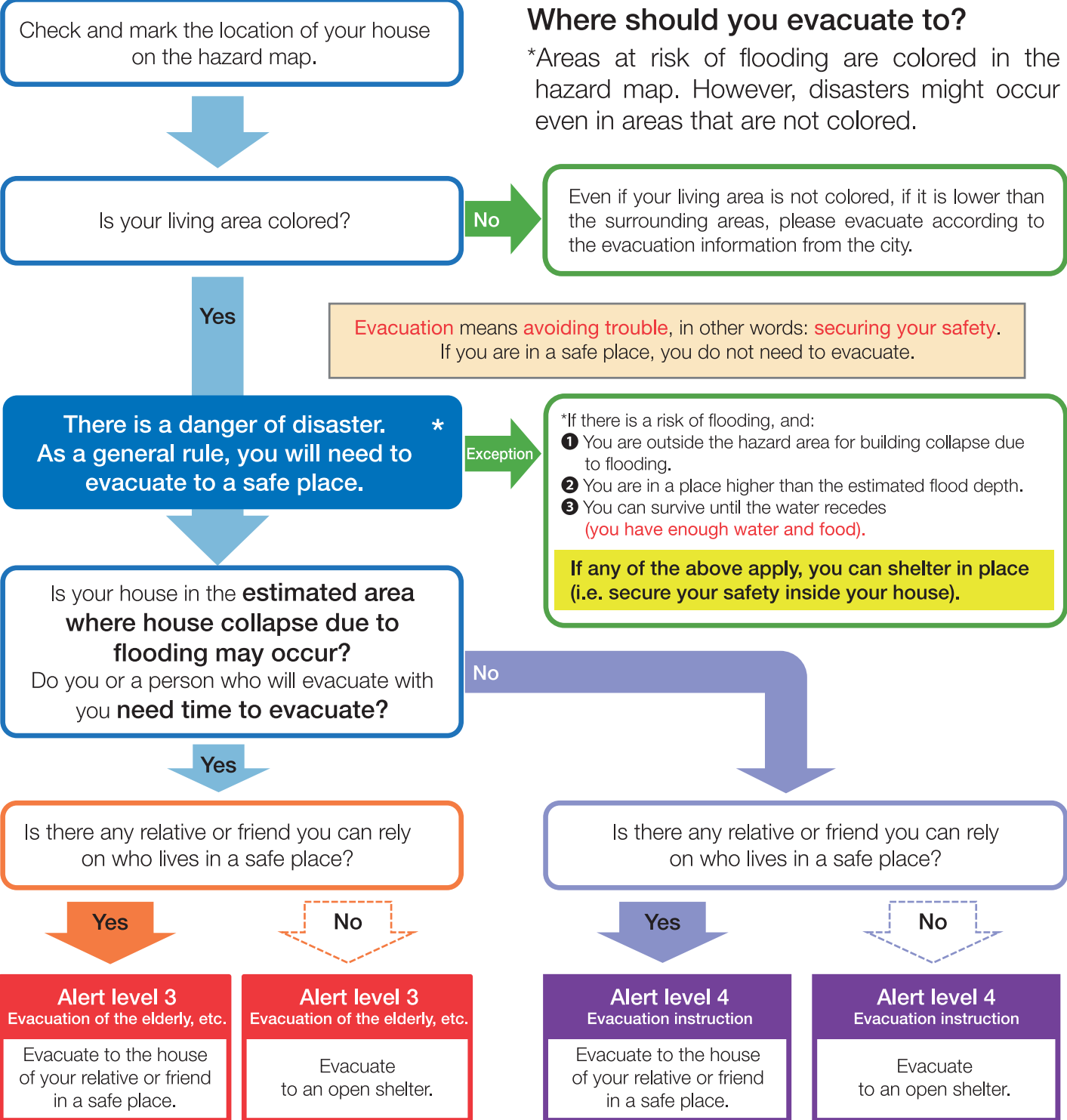
Nonoichi City Flood Hazard Map

Created: March 2024

- The Nonoichi City Flood Hazard Map was created to provide citizens with helpful information to protect them from floods.
- You can confirm both estimated **river flooding** areas and **inland flooding** areas.
- Please use this hazard map to check the flood risks in your neighborhood and what actions to take in the case of typhoons and heavy rain.

Evacuation Action Decision Flowchart

Be sure to check it.



Where should you evacuate to?

*Areas at risk of flooding are colored in the hazard map. However, disasters might occur even in areas that are not colored.

Even if your living area is not colored, if it is lower than the surrounding areas, please evacuate according to the evacuation information from the city.

*If there is a risk of flooding, and:
① You are outside the hazard area for building collapse due to flooding.
② You are in a place higher than the estimated flood depth.
③ You can survive until the water recedes (you have enough water and food).

If any of the above apply, you can shelter in place (i.e. secure your safety inside your house).

When should you evacuate?

Evacuate by the time Alert level 4 is issued.

- Decide your evacuation timing based on the result of the **Evacuation Action Decision Flowchart**.
- If you need time to evacuate (elderly people or small children and their guardians, etc.), evacuate well in advance.
- You need to **evacuate early** if your house is located in a hazard area for house collapse due to flooding.
- Please **evacuate early** voluntarily, based on weather information such as river water levels and alerts issued by the Ministry of Land Infrastructure, Transport and Tourism (MLIT) or Ishikawa Prefecture.

Even if no evacuation information has been issued, if you feel danger, evacuate based on your own judgment.

Alert level	Evacuation information	Actions to take	Evacuation places	Alert Level Based on Meteorological Agency
5	Emergency safety measures	Your life is in danger. Secure safety at once. It is too late to evacuate safely, and your life is in danger. It is dangerous to go out to evacuate.	Your house (2nd floor or higher) Nearby building (2nd floor or higher)	Level 5 Emergency Flood Warning Level 5 Emergency Heavy Rain Warning

Evacuate before Alert Level 4.

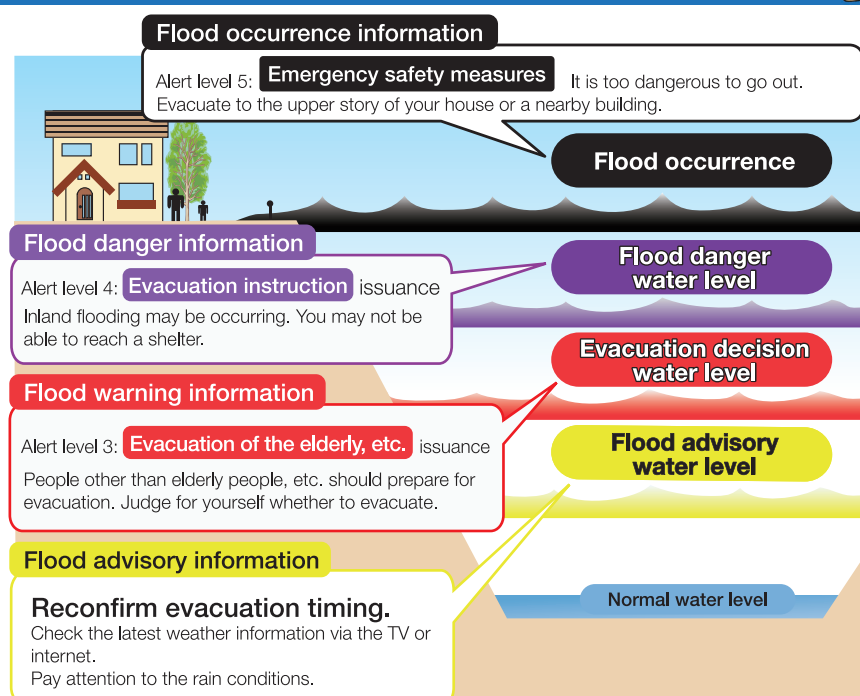
4	Evacuation instruction	Everyone must evacuate. If it is difficult to evacuate, go to the upper story of your house or a nearby building.	Main shelter Relative's or acquaintance's house in a safe area	Level 4 Severe Flood Warning Level 4 Severe Heavy Rain Warning
3	Evacuation of the elderly, etc.	Elderly people, etc. must evacuate. Those who need time to evacuate such as elderly people, disabled people, pregnant women and small children, etc. need to begin evacuating.	Voluntary shelter Relative's or acquaintance's house in a safe area	Level 3 Flood Warning Level 3 Heavy Rain Warning
2	Preparation for evacuation	Reconfirm the evacuation timing, location of shelters and evacuation routes in preparation for evacuation.		Level 2 Flood Advisory Level 2 Heavy Rain Advisory
1	Stay aware of disaster information.	Pay attention to weather information via the TV, radio, internet, etc.		Early advisory information Early advisory information

Do not go to check the river condition. Use the River Flood Information to get the information.

Check the information from water level observatory cameras.

River	Water level observatory / Camera
Tedori River	Tsurugi / Tsurugi, Tsurugi Observatory
Takahashi River	Shijimada Bridge / Ken-o-doboku, Takahashi River, Shijimada Bridge
Yasuura River	Magae / Ken-o-doboku, Takahashi River, Magae
Fushimi River	Nagaike / Ishikawa-doboku, Takahashi River, Nagaike
Koro River	Yoneizumi, Ken-o-doboku, Fushimi River, Yoneizumi
Ikari River	Koro River (Korogawa Bridge) / Koro River (Korogawa Bridge)
	Ikari River (Nakatsukomaru) / Ikari River (Nakatsukomaru)

River information corresponding to warning level



Weather information that may lead to disasters

- Use information of heavy rainfall that might lead to a disaster in order to judge and prepare for evacuation.
- Decide the weather information that will signal your evacuation.

Information indicating record-breaking heavy rainfall in a short period

Information indicating **heavy rainfall that rarely occurs**, which might lead to sediment disaster, inland flooding or the flooding of medium- and small-sized rivers.

Weather information indicating significant heavy rainfall

Information issued in the occurrence of **"linear rainbands"**, which refers to the condition of continuous heavy rainfall in certain places, when there is a high risk of disaster due to heavy rain. Issued at **Alert Level 4 or higher**.

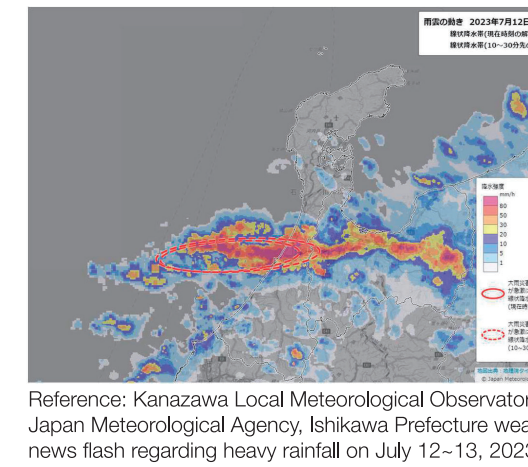
Linear rain bands

In meteorology, **linear rainbands** refers to **linear areas of heavy rainfall** that extend 50–300km in length and 20–50km in width, typically associated with thunderstorms that **stay in or move over the same region** for several hours. Weather information using this keyword is issued **half a day before**, when **thunderstorms are forecast to produce excessive rainfalls**. In recent years, linear rainbands have occurred during every major flood; this is a keyword that **directly relates to disaster**.

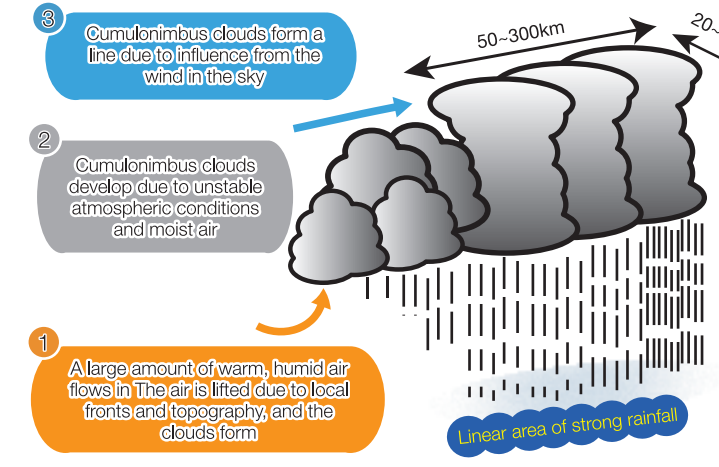
*Recent major floods:

Kuma River, Kumamoto Prefecture (2020), West Japan deluge (2018), Northern Kyushu deluge (2017), Kanto and Tohoku deluge (2015), Hiroshima City sediment disaster (2014)

Linear rainband example (June 2023)

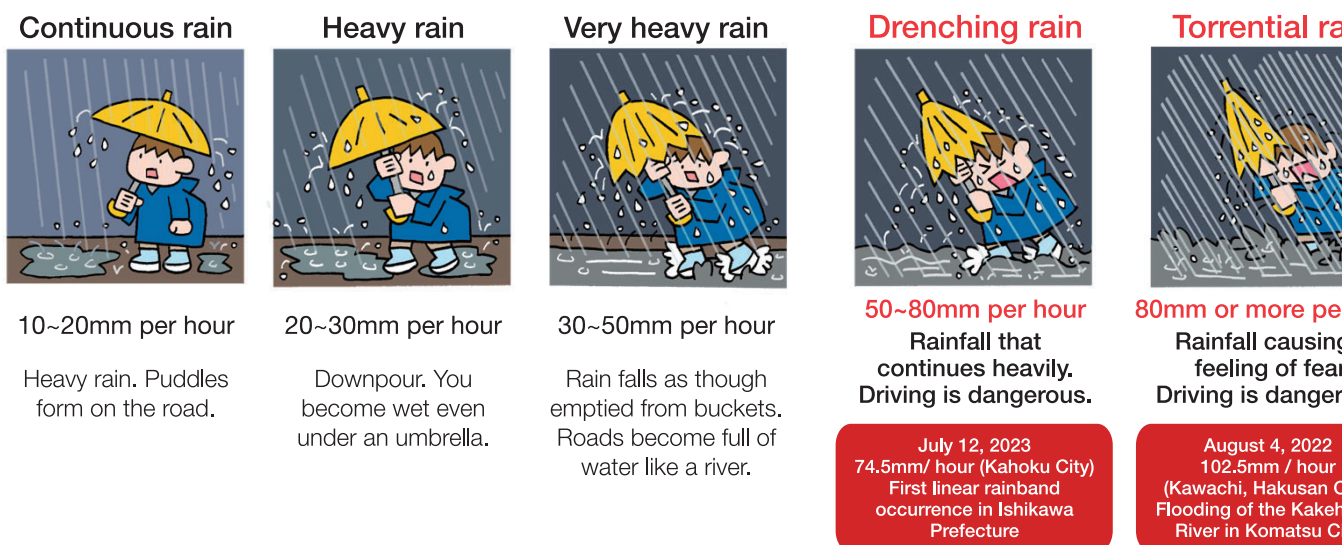


How linear rainbands typically form



Words regarding rainfall strength often used in weather forecast

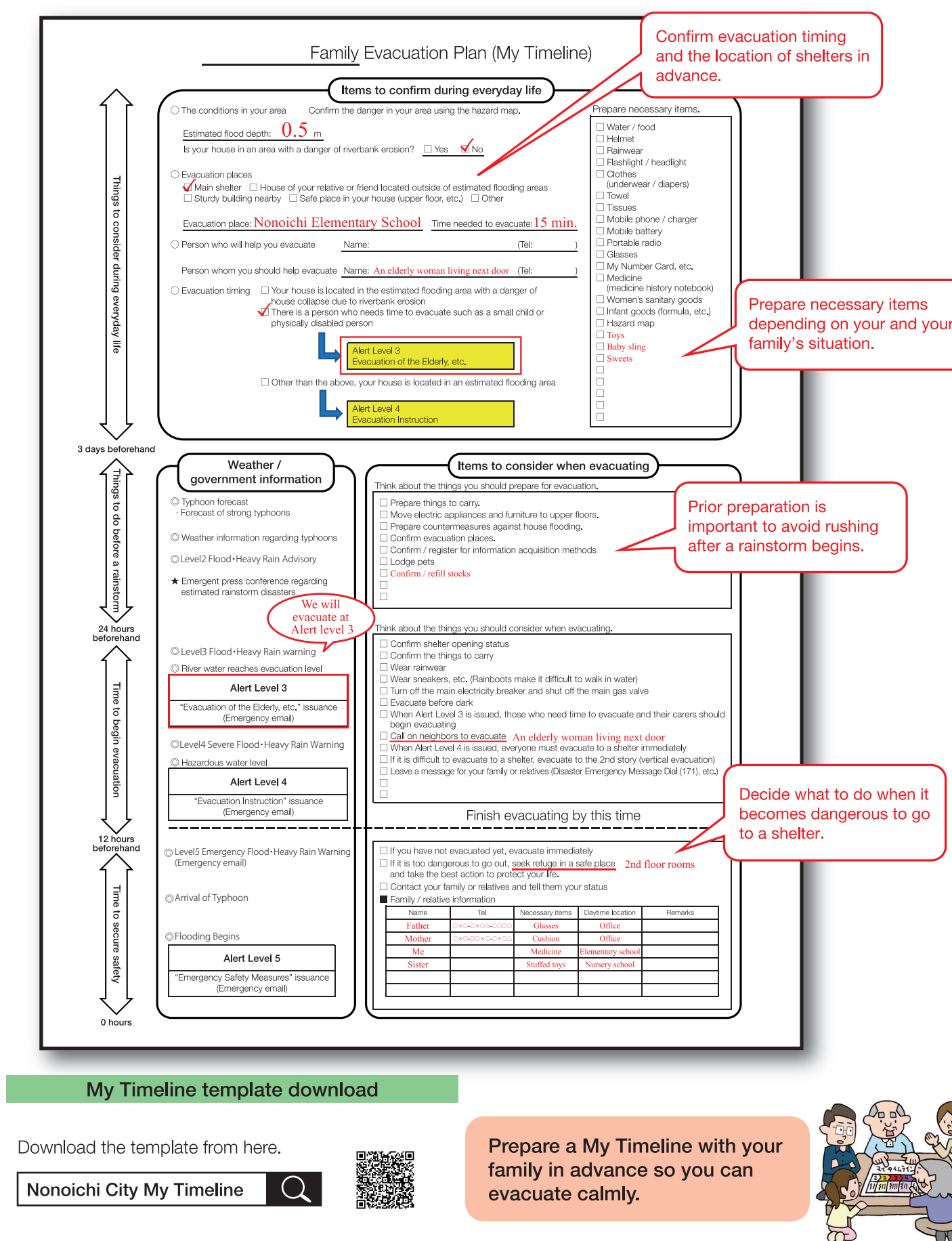
Rainfall strength that might lead to a disaster



Make "My Timeline"

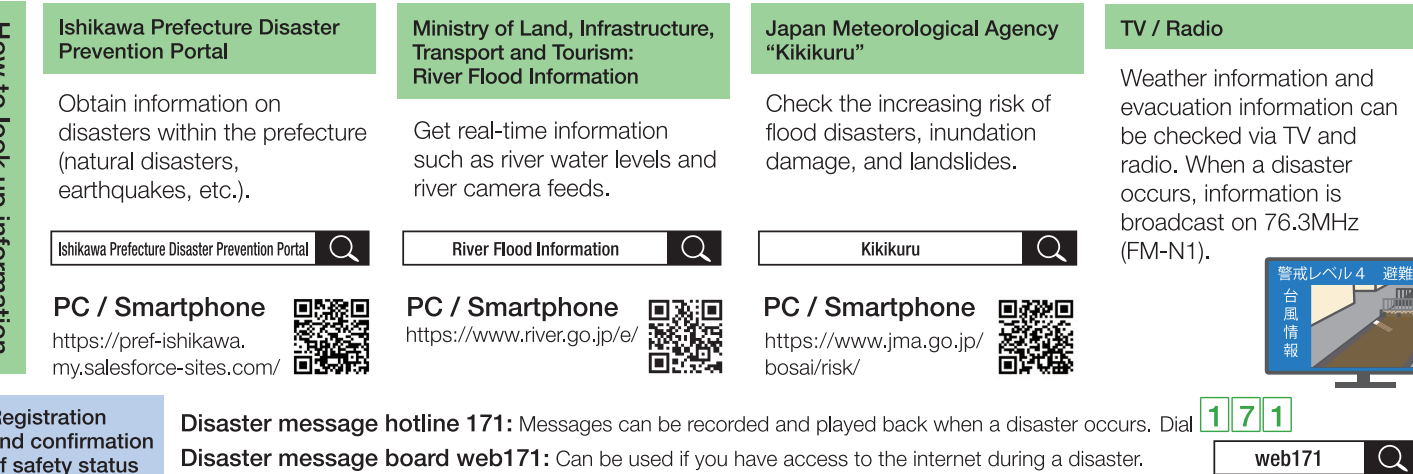
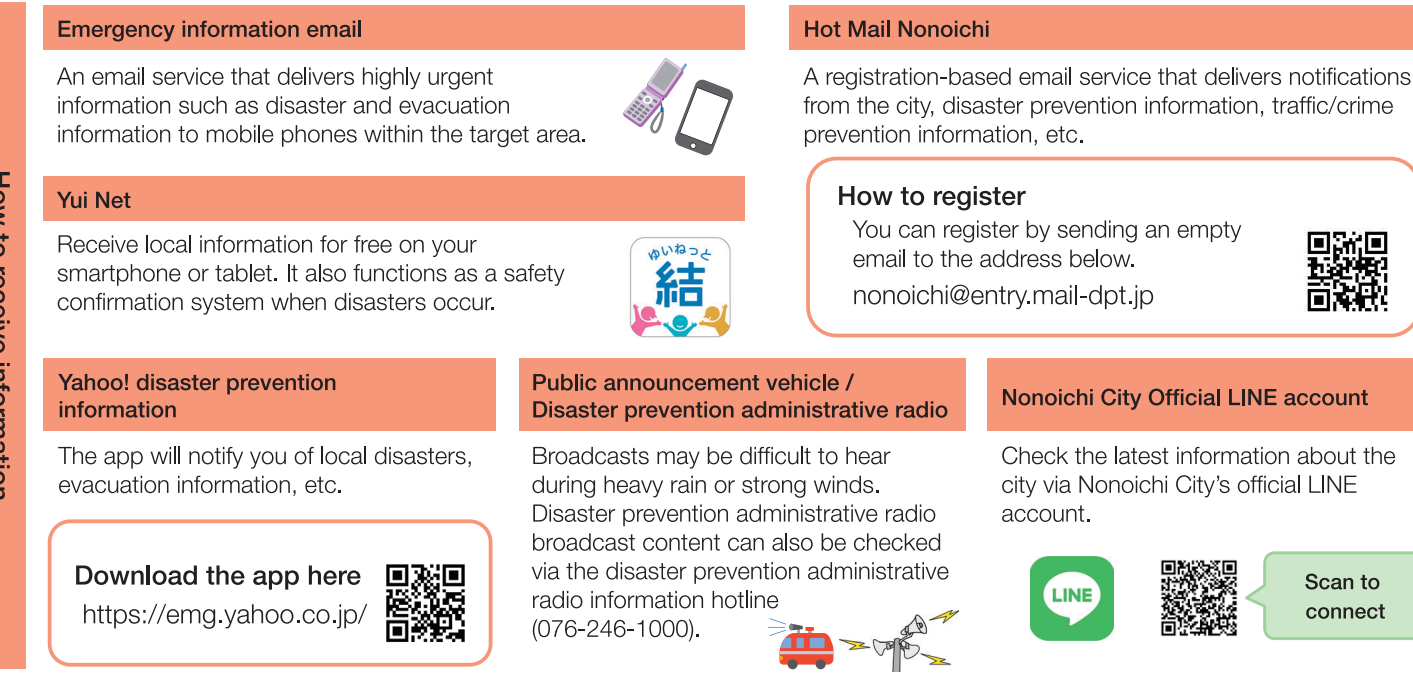
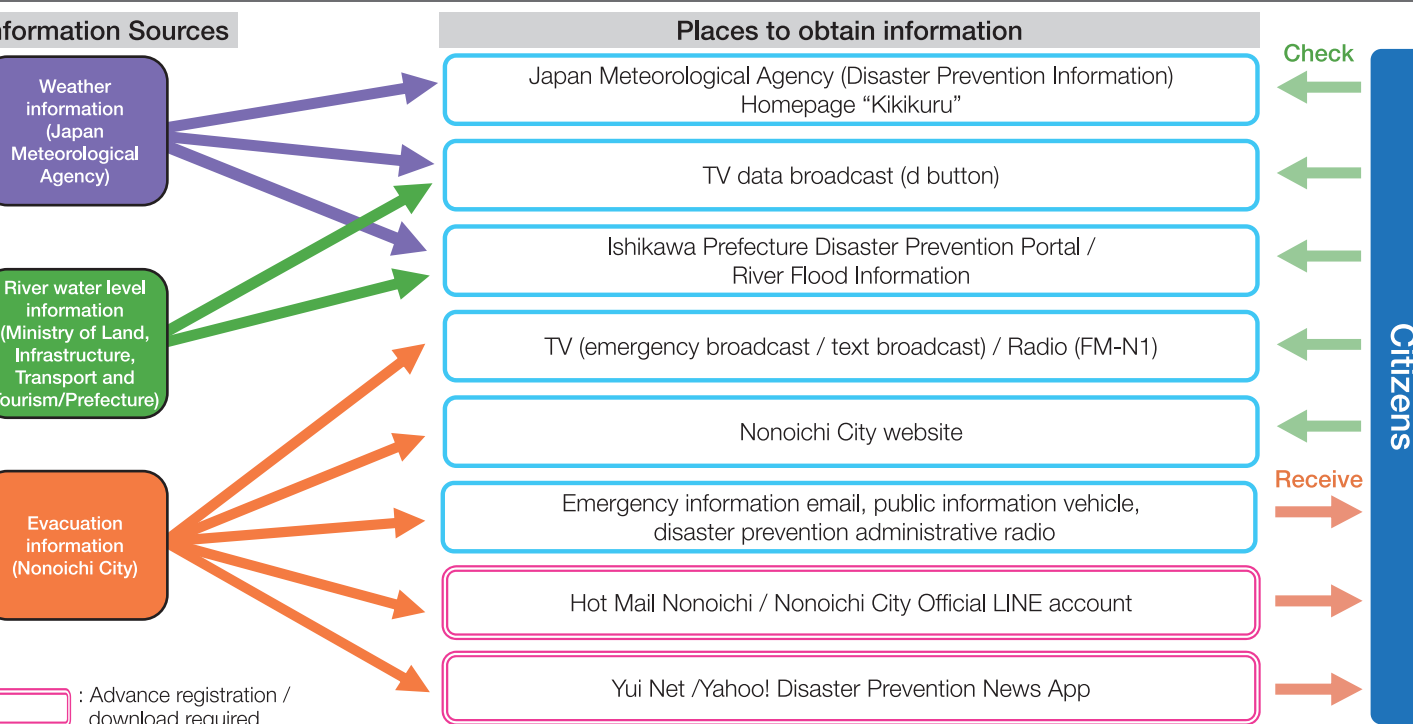
- My Timeline is your personal schedule of "when" and "what to do" in the case of a disaster.
- Learn about the flooding risks for your house and consider what you need to do for evacuation with your family.

My Timeline Example



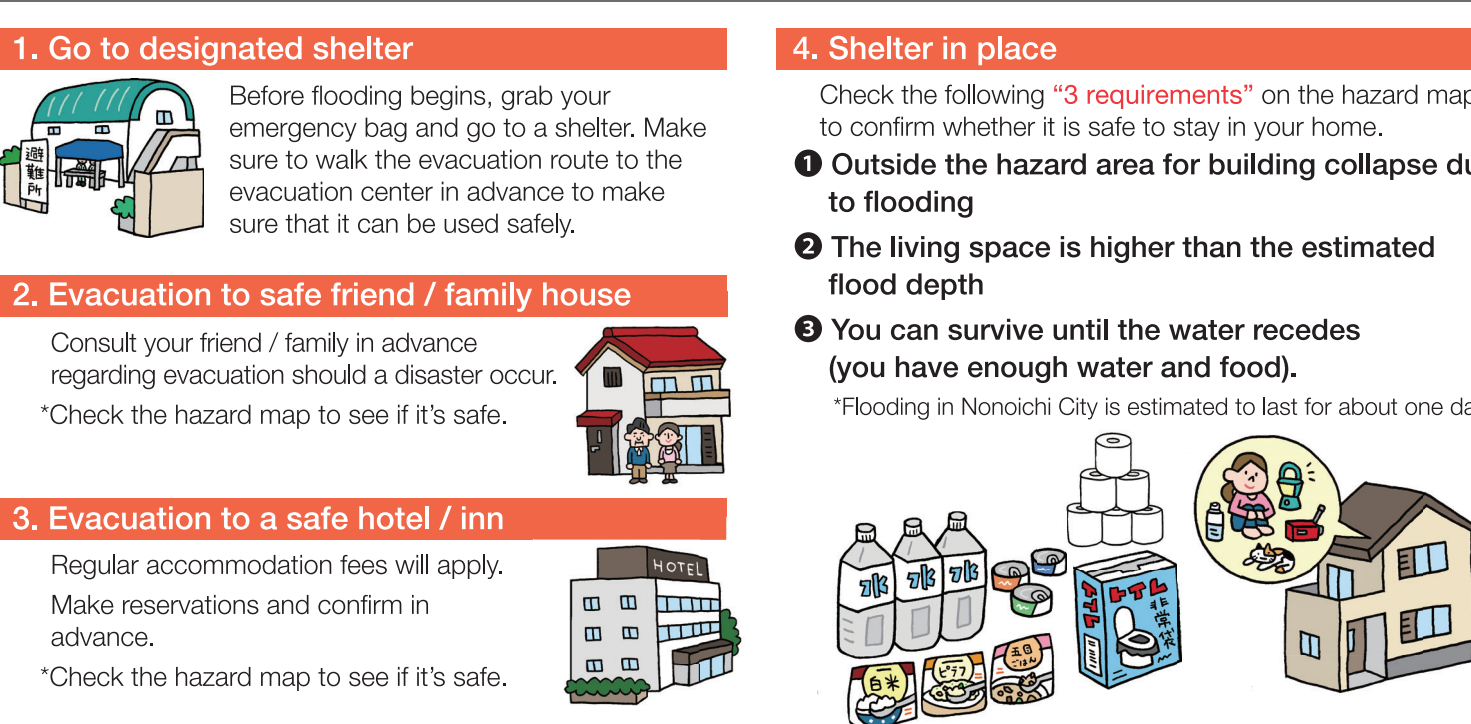
How to obtain evacuation information

- Learn how to obtain evacuation information in preparation for a disaster.
- For information that requires registration, complete the registration in advance so that you can receive the information smoothly.

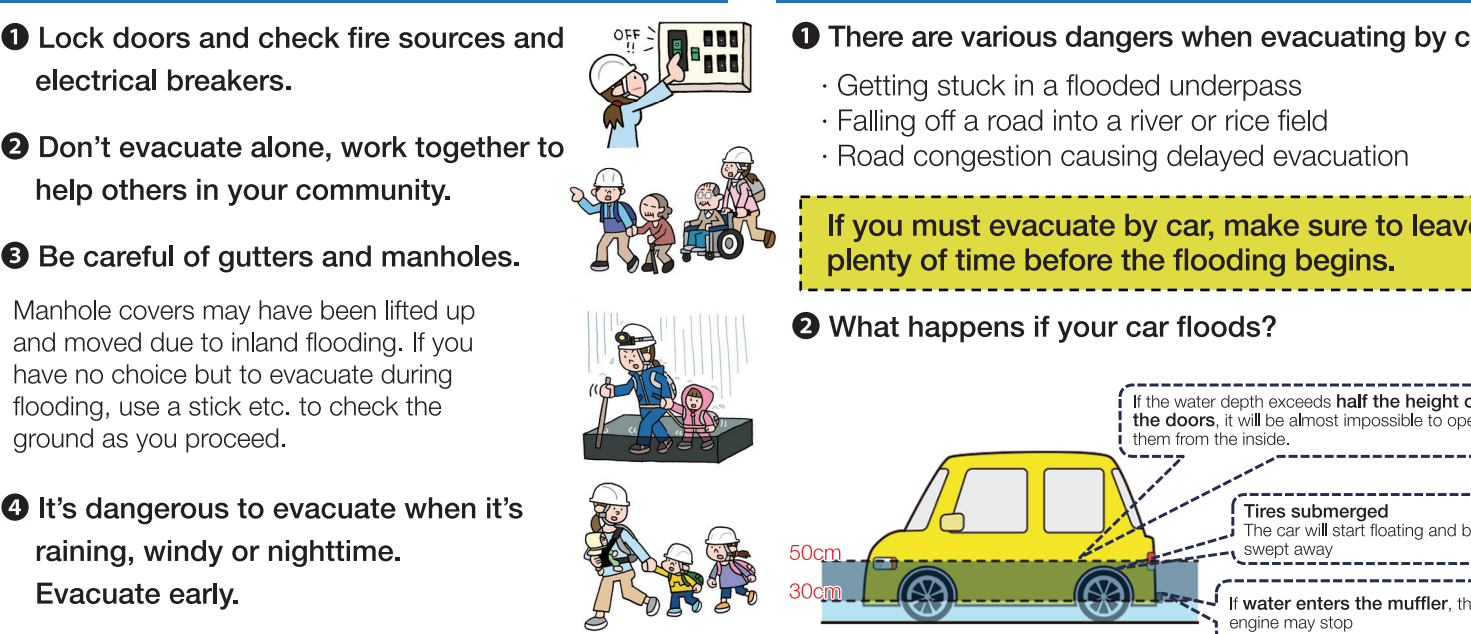


Where to evacuate? Evacuation precautions

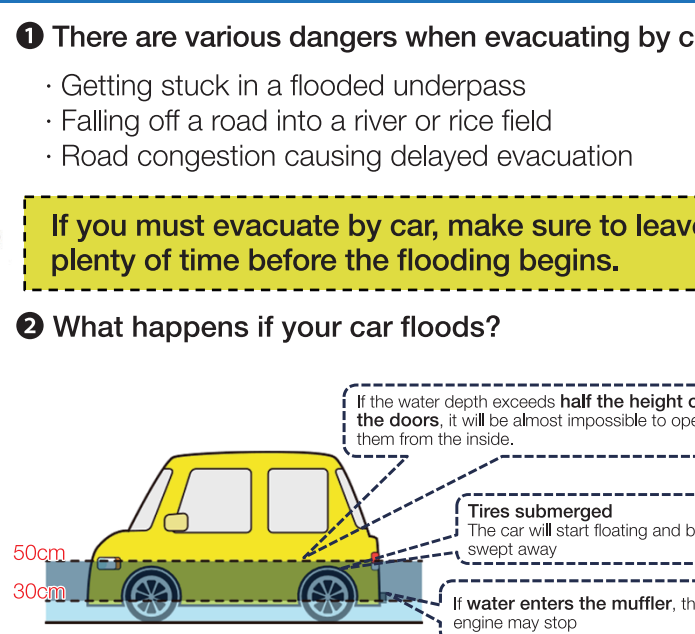
- Evacuation means avoiding trouble. Decide in advance how you will evacuate if a disaster occurs.
- There are four types of action for evacuation: In all cases, be sure to **act early**.



Evacuation precautions

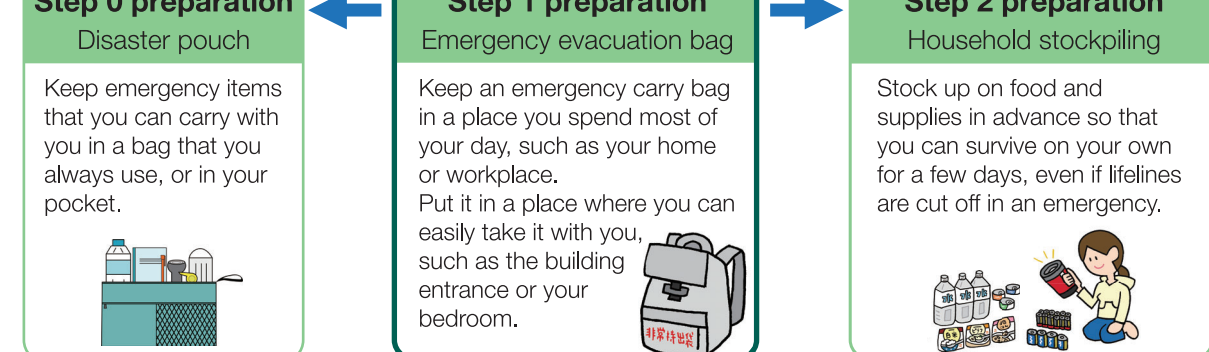


Dangers of car evacuation

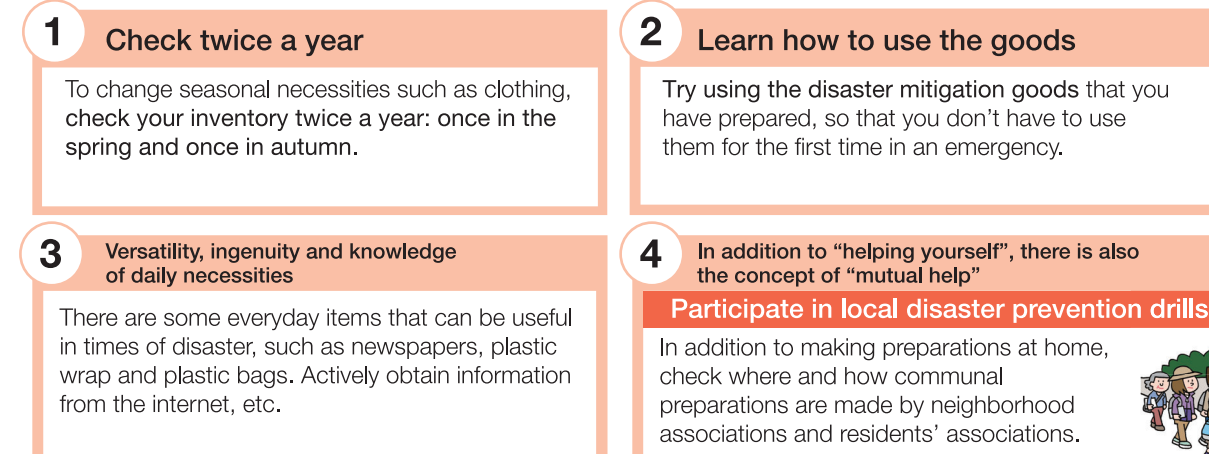


The 3 steps to preparing for an emergency

Start with Step 1, then Step 0 and Step 2.



Things to keep in mind when preparing disaster mitigation goods

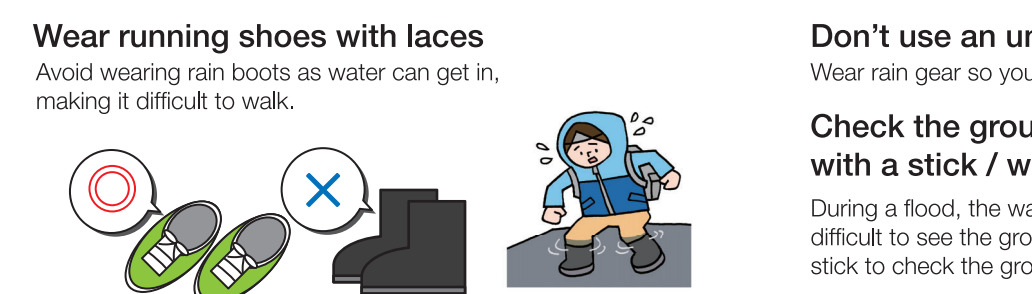


Disaster mitigation goods checklist

Type	Item	0	1	2	Notes
Basic items	Emergency evacuation bag	✓	✓	✓	
	Water	✓	✓	✓	
	Drinking water	✓	✓	✓	
	Portable food	✓	✓	✓	
Food	Emergency food	✓	✓	✓	
	Helmets, disaster hoods, hats, etc.	✓	✓	✓	
	Whistle	✓	✓	✓	
	Gloves (for work)	✓	✓	✓	
Equipment	Flashlight (spare batteries and power supply also)	✓	✓	✓	
	All-purpose knives	✓	✓	✓	
	Rope (10m)	✓	✓	✓	
	Portable radio (with spare batteries)	✓	✓	✓	
Tools	Mobile phone (charger/battery also)	✓	✓	✓	
	Contact details/preparation list	✓	✓	✓	
	ID (copy)	✓	✓	✓	
	Writing materials (notepad and pen)	✓	✓	✓	
Information	Permanent marker (thick)	✓	✓	✓	
	Cash (including 10 yen coins)	✓	✓	✓	
		✓	✓	✓	
		✓	✓	✓	

- Pack all the things you'd need for **three days** in an **emergency evacuation bag**.
- Prepare seven days' worth of food and a portable toilet in case lifelines are interrupted.

Clothes for evacuation



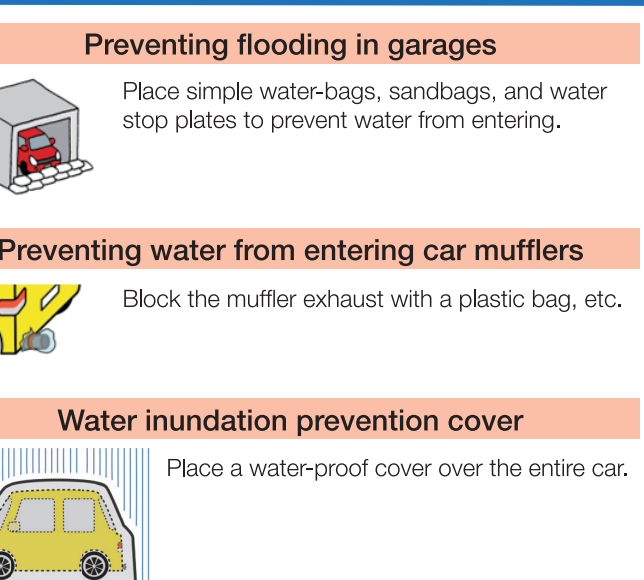
Preventing flooding in your home or car



Preventing flooding in garages



Preventing flooding in garages



Type	Item	0	1	2	Notes
Basic items	First aid kit	✓	✓	✓	
	Tweezers	✓	✓	✓	
	Chronic disease medicine / regular medicine	✓	✓	✓	
	Masks	✓	✓	✓	
Hygiene	Portable toilet	✓	✓	✓	
	Tissue paper / toilet paper	✓	✓	✓	
	Wet tissues	✓	✓	✓	
	Disposable warmers (heat pads)	✓	✓	✓	
Cold protection	Survival blanket	✓	✓	✓	
	Handkerchief (large) / hand towel	✓	✓	✓	
	Towel	✓	✓	✓	
	Safety pin	✓	✓	✓	
General	Plastic bag	✓	✓	✓	
	Vinyl sheets (picnic mats, tarpaulins)	✓	✓	✓	
	Lighter (matches also OK)	✓	✓	✓	
	Cloth duct tape	✓	✓	✓	

Type	Item	0	1	2	Notes
Items for individual consideration	Spare keys (house, car, etc.)	✓	✓	✓	
	Spare glasses / contact lenses	✓	✓	✓	
	Copy of bankbook / certificates	✓	✓	✓	
	Personal seal stamp	✓	✓	✓	
Women	Sanitary products (pantyliners)	✓	✓	✓	
	Security buzzer	✓	✓	✓	
	Comb, brush, mirror	✓	✓	✓	
	Cosmetics	✓	✓	✓	
Elderly	Hairstreams	✓	✓	✓	
	Nursing care notebook	✓	✓	✓	
	Disposable diapers	✓	✓	✓	
	Nursing care products	✓	✓	✓	
Infants	Diapers	✓	✓	✓	
	Powdered milk, baby bottles, baby food	✓	✓	✓	
	Cleaning cotton	✓	✓	✓	
	Bath towel	✓	✓	✓	
Pets	Disposable diapers	✓	✓	✓	
	Baby sling	✓	✓	✓	
	Mother & child handbook	✓	✓	✓	
	Disability certificate	✓	✓	✓	

Type	Item	0	1	2	Notes
Clothing	Clothes	✓	✓	✓	
	Blanket	✓	✓	✓	
	Rain gear (ponchos, raincoats, etc.)	✓	✓	✓	
	Preserved food	✓	✓	✓	
Food	Salt / seasonings	✓	✓	✓	
	Tablets (salt, etc. drops, pills, sports)	✓	✓	✓	
	Plastic wrap	✓	✓	✓	
	Aluminum foil	✓	✓	✓	
Living space	Can opener	✓	✓	✓	
	Portable stove and gas cylinders	✓	✓	✓	
	Sawdust	✓	✓	✓	
	Toothbrush set / mouth rinse	✓	✓	✓	
Communication / versatile items	Soap	✓	✓	✓	
	Dry shampoo	✓	✓	✓	
	Baking soda	✓	✓	✓	
	Large cloth (turoshiki)	✓	✓	✓	

Reference: Disaster Mitigation Goods Checklist (The Great Hanshin-Awaji Earthquake Memorial Disaster Relief and Human Renovation Institution website)