

Things to Prepare in Advance Against Wind and Flood Damage

Before you start

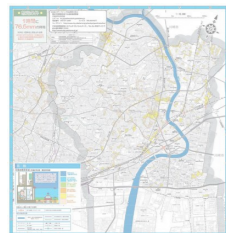
In recent years the damage from heavy rains and winds has been growing and disaster could strike anywhere and at anytime. Be aware of the need to safeguard your own life and familiarize yourself with the kinds of damage that can occur in the area where you live. At the same time, each person should create an evacuation plan that fits their own particular situation.

The following is an excerpt from, "The Role of Evacuation from Flood and Sediment-related Disaster Countermeasures based on the Heavy Rain that occurred in July 2018" (Central Disaster Management Council) <to all citizens>

- It is impossible for the authorities to put out evacuation information tailored to each individual's circumstances. In the face of impending natural threats, the authorities cannot come to the aid of each and every individual.
- You must make the final judgment on whether or not to evacuate. Everyone should take action to preserve their own lives.
- It's too late once rivers have burst their banks and landslides have occurred. Do not lose the awareness that, "if I don't evacuate now, my loved ones and I may lose our lives."

Take an interest in disasters, and prepare what you can now to protect these precious lives.

STEP 1 Ascertain the dangers of the area you live in!!








Check the hazard map to understand the level of danger posed by flooding or landslides.

About hazard maps (Yokohama City website)

Yokohama hazard map Search

Hazard maps are distributed by your local ward office.

STEP 2 Understand weather/evacuation information*!! *Evacuation of the elderly, evacuation orders, etc.

Alert level 1	Alert level 2	Alert level 3 Evacuate the elderly and others at-risk	Alert level 4 Evacuation order	Alert level 5 Urgently seek safety
Be on the alert	Check evacuation actions	Evacuate those who need time to evacuate	Evacuate to evacuation centers, etc.	Risk of death Immediately seek safety!
 (Ex.) Early Advisory	 (Ex.) Level 2 Advisory (Flood), Level 2 Advisory (Heavy rain)	 The elderly and others at-risk should evacuate (Ex.) Level 3 Warning (Flood), Level 3 Warning (Heavy rain)	 Everyone should evacuate!! (Ex.) Level 4 Urgent Warning (Flood), Level 4 Urgent Warning (Heavy rain)	 Landslides, rivers burst banks, etc. Water welling up Small rocks falling Cracks (Ex.) Level 5 Emergency Warning (Heavy rain)

Evacuation site In general the authorities will open evacuation sites in conjunction with evacuation information.

The timing of official announcements may differ for each ward. Evacuation sites are announced on the city website, the website of your local ward office, and by disaster preparedness information emails.

Local disaster preparedness centers (elementary and middle schools), which are evacuation sites during earthquakes, may not necessarily be opened. District centers and neighborhood town halls may be opened instead.

If you are considering evacuating, be sure to check the information about established evacuation sites on the website of the city or ward office where you live.

STEP 3

Learn how to collect the information you need!!

In addition to getting information from TV and radio, use the following kinds of tools to find information faster.

● **Yokohama City Website**

Yokohama disaster preparedness information Search

● **Email**

Yokohama city disaster preparedness email Search

● **Apps**

Yokohama City Evacuation Navi



STEP 4

Understand evacuation actions!!

Signs you should evacuate (Gather information early!)

Risk of rivers overflowing, water inundation from sewers, etc.

- Pay attention to weather information from TV, radio, or the Yokohama City website.
- Check river conditions on the Yokohama City website.
- Pay attention to conditions outside.

*Large quantities of water are overflowing from manholes.

Alert level 3 (Evacuate the elderly and others at-risk),

Alert level 4 (Evacuation order) given...

Risk of landslide

- Small rocks falling loosely
- Cracks appear in slope
- Water welling from slope

Signs of imminent landslide

Evacuation actions (Take early action!)

- Evacuate to tall buildings nearby
- Evacuate to the second floor or higher of the building you are in now (such as your home)

Vertical evacuation



- Evacuate to a safe location (evacuation sites such as designated emergency evacuation sites, or the homes of relatives outside of the potential landslide or flood damage zones)

Horizontal evacuation



Evacuation means to avoid danger and get to safety. Evacuation actions entail more than just going to an evacuation site. Each household should consider what to do based on their needs. This may include designating a place such as the home of a relative as their evacuation site beforehand.

STEP 5

Prepare items to take with you in an emergency!!

As a rule, evacuees should bring supplies and food to the evacuation site themselves. (Bring what you can, but prioritize evacuating)

List of items to take with you in an emergency

- Select the necessary items depending on your family make-up.



Safety and First-aid

First-aid kit (bandages/dressings)



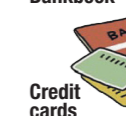
Household medicines

Glasses, contacts lenses, etc.



Valuables

Bankbook



Credit cards

Cash



Drivers license, health insurance card, seal, etc.



Water / Drinks

Drinking water



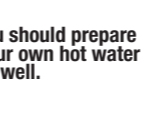
Milk (formula, etc.)



Emergency rations



*You should prepare your own hot water as well.



Daily necessities

Portable radio



Tissues



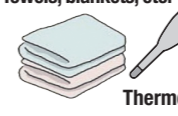
Flashlight



Masks



Towels, blankets, etc.



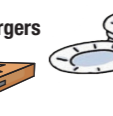
Paper diapers



Thermometer



Chargers



Toiletry pack



Paper plates and cups



Clothes

Helmet



Clothes



Thick-soled sneakers



Raincoats



Work gloves



Use the reverse side to create your own personal timeline based on the information above!

Personal Timeline Creation Worksheet

Each person should create their own evacuation timeline for typhoons or heavy rains.



Because the path and scale of typhoons and heavy rains can be predicted in advance, making a plan for when one approaches will lead to proper evacuation actions. !

[Before creating] Things to check when making timeline

Check on hazard map	Check status of household	Consider evacuation actions	
<p>Is the area where you live a</p> <p><input type="checkbox"/> Potential flood damage zone <input type="checkbox"/> Potential landslide damage zones</p> <p>What is the expected flood depth of the place you live? (Estimated Max. Scale) (Ex.: Tsurumi R. 3-5 m) [River _____, _____ m]</p>	<p>People who need help evacuating (Those who are elderly, disabled, infants, pregnant, etc.)</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Pets : <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>You are in a potential flood/landslide damage zone</p> <p>No → Shelter-in-place</p> <p>Yes → Building is sturdy / Living in condominium → Taking into account the maximum projected water depth on the hazard map, you can reach safety by evacuating vertically.</p> <p>Yes → Evacuate vertically (2nd floor of bldg., or higher)</p> <p>No → Evacuate horizontally (evacuation site, etc.)</p>	<p>[Precautions] Criteria for considering evacuation method. Areas outside of potential flood damage zones may flood, and waters may rise above estimated depths. The same holds true for potential landslide damage zones. Even if you decide to shelter in place or evacuate vertically, be prepared to evacuate horizontally.</p>

[Personal Timeline]

Alert level	Level 1	Level 2	Level 3	Level 4	Level 5
Information from the authorities		● Call for precautions such as voluntary evacuation	● Evacuate elderly people and other at-risk people	● Evacuation order	● Urgently seek safety*
Information in accordance with advisory level	Early Advisory	Level 2 Advisory(Heavy rain) Level 2 Advisory(Flood) Level 2 Advisory(Landslide) Level 2 Advisory(Storm surge)	Level 3 Warning(Heavy rain) Level 3 Warning(Flood) Level 3 Warning(Landslide) Level 3 Warning(Storm surge)	Level 4 Urgent Warning(Heavy rain) Level 4 Urgent Warning(Flood) Level 4 Urgent Warning(Landslide) Level 4 Urgent Warning(Storm surge)	Level 5 Emergency Warning(Heavy rain) Level 5 Emergency Warning(Flood) Level 5 Emergency Warning(Landslide) Level 5 Emergency Warning(Storm surge)
Fundamental items (Items common to all evacuation actions)	<input type="checkbox"/> Check weather report <input type="checkbox"/> Home inspection/reinforcement <input type="checkbox"/> Check supplies and items to take with you in an emergency* *Flashlights in case of blackouts, water, etc.	<input type="checkbox"/> Place stocked goods in a safe place where they won't be submerged	<input type="checkbox"/> Check evacuation site and whether it is open (Ward website or disaster preparedness email)	<input type="checkbox"/> Start evacuation Evacuate everyone away from dangerous areas in accordance with evacuation order	<div style="font-size: 2em; font-weight: bold;">!</div> <p>Risk of death Immediately seek safety</p> <div style="font-size: 2em; font-weight: bold;">!</div> <p>Take action with preserving lives as your highest priority</p> <div style="font-size: 2em; font-weight: bold;">!</div> <p>Evacuate to a safe place indoors</p>
Criteria for action	People who need help evacuating (Including those living with people who need help evacuating)	<input type="checkbox"/> Confirm evacuation method and timing with supporters such as family and care managers	<input type="checkbox"/> Start evacuation Evacuate those who take time to evacuate away from dangerous areas	<div style="font-weight: bold; color: #e67e22;">[Precautions when evacuating by car]</div> <p>In typhoon 19 of 2019, many lost their lives due to flooding and collapses of roads while attempting to evacuate by car. If evacuating by car, or going to meet those who need help evacuating, take action at an early stage.</p> <p>*As a rule, it is forbidden to park your car at evacuation sites established by the authorities.</p>	
If horizontal evacuation is necessary	Those evacuating with pets	<input type="checkbox"/> Check temporary drop-off locations such as friends and pet hotels <input type="checkbox"/> Confirm evacuation method, timing, etc. <input type="checkbox"/> Check emergency bag and cages for pets (prepare if you don't have)	<input type="checkbox"/> Consider means of transportation as necessary (Pet taxi, pick-up/drop-off by car, etc.) <input type="checkbox"/> Place pets in cages and prepare to evacuate		
Family, relatives, hotels, etc. outside of potential flood damage zone	<input type="checkbox"/> Contact the place you will evacuate to, or make hotel reservation <input type="checkbox"/> Confirm evacuation method				
My plan	Reference the check items above to fill out your own personal timeline. ! Procedure 1: <input type="checkbox"/> List applicable items using check boxes Procedure 2: <input type="checkbox"/> List any necessary items other than those indicated by check boxes				

*An official order to immediately seek safety depends on local conditions, and may not necessarily be issued.