

Consultation and inquiries

- When you have questions or you are troubled by something that you would like to get advice about, please ask
- The places where you can discuss things and ask questions and their hours are shown below

Place	Languages	Days	Hours
Kawasaki International Center Phone: 044-435-7000	Japanese	Monday to Saturday	10 a.m. to noon, 1 to 4 p.m.
	English	Monday to Saturday	
	Chinese	Tuesday, Wednesday, and Friday	
	Portuguese	Tuesday and Friday	
	Korean	Tuesday and Thursday	
	Spanish	Tuesday and Wednesday	
	Tagalog	Tuesday and Wednesday	
Kawasaki Ward Office Phone: 044-201-3113	English	1st and 3rd Thursdays of the month	2 to 4:30 p.m.
	Chinese	1st and 3rd Tuesdays of the month	2 to 4:30 p.m.
	Tagalog	1st and 3rd Tuesdays of the month	9:30 a.m. to noon
Asao Ward Office Phone: 044-965-5100	English	1st and 3rd Thursdays of the month	9:30 a.m. to noon
	Chinese	1st and 3rd Tuesdays of the month	9:30 a.m. to noon
	Tagalog	1st and 3rd Wednesdays of the month	2 to 4:30 p.m.

Kawasaki City representative assembly for foreign residents

- This is a venue for foreign residents to discuss what they think are issues in their lives in Kawasaki City
- What was discussed is conveyed to Kawasaki City's mayor each year
- The Kawasaki City government receives suggestions from assembly participants to create a comfortable place for foreign residents to live

Emergency Contact Card	
Name: _____	Male/Female
Address: _____	Tel: _____
Date of birth: _____	Blood type: Rh + • -
Chronic illnesses: _____	Allergies: _____
Health insurance card no.: _____	Life insurance card no.: _____
Driver's license no.: _____	Bank account no.: _____

School, etc., that would serve as the emergency shelter: _____		
Regional emergency shelter: _____		
Contact method	Disaster Emergency Message Number 171	
	Common contact Person	Name: _____ Tel/E-mail address: _____ Address: _____
	Names of family members	Relationship to the holder
	Tel/E-mail address (company or school)	

Emergency Contact Card	
Name: _____	Male/Female
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	Names of family members	Relationship to the holder
	Tel/E-mail address (company or school)	

Please copy and use this form

Disaster Preparedness in Kawasaki (English version)

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1 Miyamotocho, Kawasaki-ku, Kawasaki-shi 210-8577 Phone: 044-200-2894

Permanent Edition

Disaster Preparedness in Kawasaki



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English version
英語版



Colors, Future!

いろいろって、未来。

川崎市
かわさきし



What to Do When an Earthquake Hits

Seismic Intensity

0 **Seismic intensity: 0**
Nobody senses that an earthquake has hit

1 **Seismic intensity: 1**
Many people don't sense that an earthquake has hit

2 **Seismic intensity: 2**
There is some sense that an earthquake has hit

3 **Seismic intensity: 3**
People sense that an earthquake has hit

4 **Seismic intensity: 4**

- Hanging room lights swing quite a bit
- A vase falls over

5 Lower **Seismic intensity: in the low 5 range**

- You think you need to grab onto something
- Dishes and books on shelves fall off
- Furniture moves

5 Upper **Seismic intensity: in the upper 5 range**

- It is impossible to walk without holding onto something
- Numerous dishes and books on shelves fall off
- Furniture is in danger of toppling over
- Walls made of cinderblocks fall apart

6 Lower **Seismic intensity: in the low 6 range**

- It is impossible to stand
- Furniture falls over
- Doors may not open
- Window glass shatters
- Houses made of flimsy wood may be in danger of collapsing

Sturdy house Flimsy house

6 Upper **Seismic intensity: in the upper 6 range**

- It is impossible to move
- Furniture falls over
- Houses made of flimsy wood collapse
- Fissures in the ground open up
- There is a risk of landslides

Sturdy house Flimsy house

7 **Seismic intensity: 7**

- Houses made of flimsy wood collapse
- Even houses made of sturdy wood may be in danger of collapsing
- Houses made of weak reinforced concrete collapse

Sturdy house Flimsy house

What to do when you are at home

Protect yourself

- (1) Protect your head
- (2) Get under a table
- (3) Move to a room where there is little furniture



Put out fires

- Extinguish fires after the tremors stop
- Use a fire extinguisher



Check on family members

- After the tremors stop, find out whether family members are okay

Create exits to use when evacuating

- Be sure to put on slippers, socks or shoes first
- Open doors
- Open windows



What to do when away from home

When you are downtown

- Protect your head from falling objects
- Stay away from walls and buildings made of cinderblocks
- Avoid touching severed electrical wires



When in a train station or department store

- Listen to what the train station or department store staff say
- Move to an open space



When underground in town or at a train station

- Quickly move above ground

When in an elevator

- Press the buttons for every floor
- Get off at the first floor the elevator stops at
- Press the emergency button if the doors do not open
- Wait until help arrives



When by the sea or a river

- Move to higher ground
- Do not return to the location you evacuated from



When in a car

- Stop the car on the left side of the road
- Leave the ignition key in the car
- Do not lock the doors
- Get out of the car and evacuate on foot



Emergency Earthquake Warning

- TV and radio broadcast warnings of a large earthquake's imminent arrival
- Please protect yourself if you see or hear an emergency earthquake warning
- Please visit the Meteorological Agency's website if you want to learn more. <http://www.jma.go.jp>



What You Should Know Before You Evacuate Because of an Earthquake

When to evacuate

- (1) When your house has collapsed
- (2) When your house has burned
- (3) When nearby houses have collapsed
- (4) When nearby houses have burned
- (5) When you are unable to safely live in your house
- (6) When the Kawasaki City government issues the following **evacuation information**

Evacuation information

- The Kawasaki City government issues **evacuation information** when it wants people to move to a safe location

(1) When preliminary evacuation information is issued*

- Prepare to evacuate
- The elderly and people with physical disabilities should evacuate first

(2) When an evacuation advisory is issued*

- An advisory is issued when the situation is more dangerous than when preliminary evacuation information was given
- Evacuate calmly

(3) When an evacuation order is issued*

- An evacuation order is issued when the situation is more dangerous than when an evacuation advisory was given
- Evacuate quickly

More dangerous →

*The emergency broadcast system will sound a siren when **evacuation information** (2) and (3) above are issued.

*The methods described on **pages 5 and 6** can be used to learn more about the **evacuation information** described in (1) through (3) above.



Where to go when you evacuate

(1) Emergency shelters

- Schools such as elementary, junior and senior high schools
- Food and toilets are available
- You can live there for a while
- Go to one of these places when you are unable to live at home

(2) Temporary shelters

- Nearby parks, etc.
- Go to one of these places for a brief time for safety
- Living in a temporary shelter is not possible

(3) Large evacuation sites

- Large parks or other similar open spaces
- These are the places to go when, for example, major fires are occurring
- Living at a large evacuation site is not possible

- Please familiarize yourself with where (1), (2) and (3) are located before evacuating.
- You can identify these locations from the **Kawasaki City emergency evacuation map** and **municipal disaster preparedness planning materials** (which can be downloaded from the links shown below).
- A **Kawasaki City emergency evacuation map** can also be picked up at the nearest ward office.

Kawasaki City emergency evacuation map URL

<http://www.city.kawasaki.jp/170/page/0000036154.html>

Municipal disaster preparedness planning materials URL

<http://www.city.kawasaki.jp/170/page/0000052528.html>



Download QR code for Kawasaki City emergency evacuation map



Download QR code for municipal disaster preparedness planning materials

Things to pay attention to when evacuating

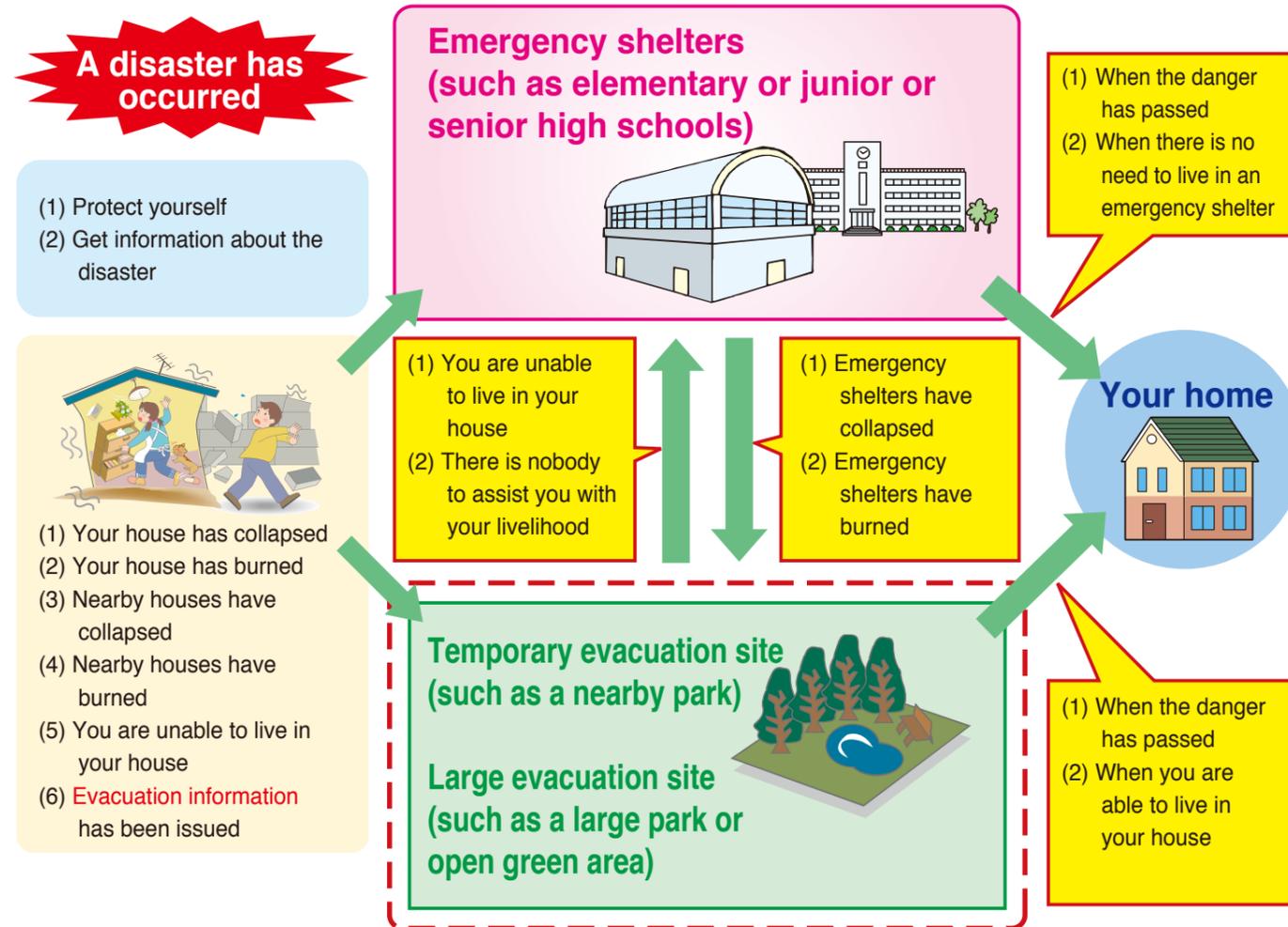
- Wear a helmet to protect your head
- Get accurate disaster information¹
- Close all gas valves
- Flip off the breaker switches for electricity
- Take items needed during emergencies with you when you evacuate
- Wear boots or other sturdy footwear
- Lock doors and windows
- Walk along safe roads
- Stay away from dangerous locations²
- Evacuate with neighbors/people living near you
- Do not evacuate by car
- Avoid severed power lines
- Avoid vending machines, which may topple over
- Watch out for cars at intersections, because traffic signals will not be working



¹ Read **pages 5 and 6** to get accurate disaster information.

² "Dangerous locations" refers to **narrow roads, the vicinity of walls and rivers, and high, steep places.**

Evacuation scenario





How to Get Accurate Information about an Earthquake

Getting information by email

Mail News Kawasaki (email newsletter)

- Register your cellphone or PC email address
- Obtain earthquake information from the Kawasaki City government

How to register

- Send an email to the following addresses:
 - From a PC→ mailnews@k-mail.city.kawasaki.jp
 - From a cellphone→ mailnews-m@k-mail.city.kawasaki.jp



PC QR code for Mail News Kawasaki



Cellphone QR code for Mail News Kawasaki

Points to note

- Please permit the receipt of emails from the following addresses:
 - @k-mail.city.kawasaki.jp
 - @k-mail.kikikanri.city.kawasaki.jp
- Please permit the receipt of emails that contain website links in the messages.

Getting information from the Internet

Kawasaki City website

Link for viewing on a PC:

<http://www.city.kawasaki.jp/>

Link for viewing on a cellphone:

<http://www.city.kawasaki.jp/k/>



PC QR



Cellphone QR code

Kawasaki International Center website

Link for viewing on a PC:

<http://www.kian.or.jp/>



Kawasaki International Center website QR code

Emergency bulletin emails

- These are sent even to cellphones whose numbers have not been registered
- You can receive the following types of information:

Information that can be received:

- A major earthquake or tsunami has hit Kawasaki
- A missile has been launched at Kawasaki
- A terrorist bomb attack has occurred in Kawasaki
- The Kawasaki municipal government has issued the **evacuation information** described on [page 3](#)
- Other information involving dangers to Kawasaki

Emergency bulletin email titles

- If using an NTT DoCoMo cellphone: **"Area mail" (emergency notice)**
- If using an au, Softbank, or Y!mobile cellphone: **"Disaster and evacuation information" (emergency notice)**

Getting information from the TV or radio

Television (digital terrestrial TV broadcasts)

- TV Kanagawa (channel 3) offers data broadcasting to provide information about earthquakes and such issued by the Kawasaki City government.

Television (cable TV)

- iTSCOM, YouTV, and J:COM offers data broadcasting to provide information about earthquakes and such issued by the Kawasaki City government.

Radio (Kawasaki FM 79.1 MHz)

- Broadcasts information about earthquakes and such issued by the Kawasaki City government
- Broadcasts in Japanese, English, Chinese, Korean, Portuguese, Spanish and Tagalog

Getting information from Twitter

- Follow the account of the Crisis Management Office, General Affairs Bureau, Kawasaki City government
- The Kawasaki City government will tweet notices (information) about earthquakes and other topics

Account to follow: [kawasaki_bousai](https://twitter.com/kawasaki_bousai)

Link for registration: http://twitter.com/kawasaki_bousai



Cellphone QR code for the Crisis Management Office's official Twitter account



Getting information from the emergency broadcast system

- The city government will use the emergency broadcast system to send out information about earthquakes and such.
- Please listen to the information broadcast when an earthquake strikes.
- Emergency broadcast system speakers are installed in the following locations:

Locations where emergency broadcast system speakers are installed:

- Elementary and junior high school roofs
- Large parks and open green areas
- Near dangerous precipices
- At major train stations
- Near the ocean



Getting information by phone

- You can listen to information broadcast over the emergency broadcast system on the phone.

Phone number for listening with your home phone or public pay phones in Kanagawa Prefecture:

0120-910-174 (free of charge)

Phone number for listening with a cellphone or public pay phones outside of Kanagawa Prefecture:

044-245-8870 (note: subject to usage charges)

Phone numbers to call when you need help

Kawasaki City Hall: 044-200-2111	Kawasaki Ward Office: 044-201-3113	In case of fire: 119	Police: 110
Daishi Branch Office: 044-271-0130	Tajima Branch Office: 044-322-1960	When there are ill or injured people: 119	
Saiwai Ward Office: 044-556-6666	Nakahara Ward Office: 044-744-3113	In case of a maritime accident: 118	
Takatsu Ward Office: 044-861-3113	Miyamae Ward Office: 044-856-3113	Kawasaki International Center: 044-435-7000	
Tama Ward Office: 044-935-3113	Asao Ward Office: 044-965-5100		

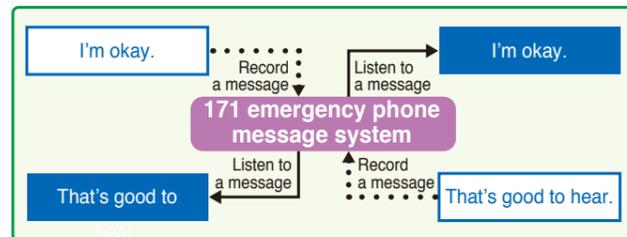


How to Tell People You Are Okay

1 Use the 171 emergency phone message system

This is how to advise people of your status using a telephone

- Record a voice message to advise people whether you are okay
- There are fees
- Follow the illustration to learn how to use the system



2 Use emergency cellphone message systems

This is how to advise people of your status using a cellphone or smartphone

- An app must be installed when using smartphones
- You can advise people of your status via a text message
- You can use English

3 Use the web 171 disaster message board

This is how to advise people of your status via the Internet

- Your phone number will be needed to use the system
- You can advise people of your status via a text message
- You can use English, Chinese or Korean

Web 171 disaster message board URL: <https://www.web171.jp/>

Webpage with information about how to use the system:

<https://www.ntt-east.co.jp/saigai/web171/index.html>*

* To use the system in English, download the PDF file with English-language instructions.

* To use the system in Chinese, download the PDF file with instructions in simplified Chinese characters.

* To use the system in Korean, download the PDF file with instructions in Korean.



QR code for using the disaster message board



QR code for instructions about how to use the system

4 Testing out how to use 1, 2 and 3 above

Days when the system can be tried out

- First of the month
- The 15th of the month
- January 1 to 3
- August 30 to September 5
- January 15 to 21

5 Other ways to advise people of your status

- Email, Twitter, LINE and other social media channels



Live in a Safe House

Building a house that can withstand earthquakes

- Avoid living in houses built before June 1, 1981
- Take steps to ensure that walls and gates made with cinderblocks do not fall over
- Consult the Kawasaki City government if you live in a house built before June 1, 1981

Phone numbers for consultations with the Kawasaki City Government:

- If living in a house built before June 1, 1981: **044-200-3017** (Construction Administration Section)
- If living in a condominium built before June 1, 1981: **044-200-2997** (Housing Development and Promotion Section)
- If you want to protect your house and it is located near a precipice that might collapse: **044-200-3035** (Land Planning and Instruction Section)

Reinforcing rooms against earthquakes

- Attach L-shaped brackets to walls and furniture to keep furniture from falling over
- If the above method is not feasible, install tension rods between the ceiling and furniture to keep furniture from falling over
- Keep a flashlight on hand
- Install fittings so that cupboard doors do not open when an earthquake strikes
- Attach fittings to hold furniture above and below in place
- Attach fittings to the wall and the refrigerator so that the refrigerator does not fall over
- If the above method is not feasible, install tension rods between the ceiling and the refrigerator to keep the refrigerator from falling over
- Place mats under furniture to prevent them from falling over
- Apply film to windows to keep the glass from shattering
- Attach thick cords or such between lights and the ceiling to prevent them from swaying

Points to note:

- Ensure that furniture does not move
- Do not place heavy objects on top of furniture
- Avoid buying tall furniture
- Do not place tall furniture in the room where you sleep



Have a Supply of Drinking Water and Food Ready

Have things ready so that you can live at home even if disaster strikes

- Please have things on hand so that you can live at home at least for a week even if disaster strikes.

What you should have on hand:

- Drinking water (three liters per person per day)
- Food (rice, canned food, instant noodles and so on)
- Food for children (powdered milk, baby food, sweets and so on)
- Toilet (e.g., emergency toilet that can be made from cardboard)

Things to be aware of when preparing the above items:

- Have lots of drinking water in PET bottles on hand
- Have food items whose expiration dates are far off
- Do not get rid of bath water



Prepare items so that you can easily take them with you when you evacuate your house

- Place what you will need in a big backpack and keep it in your entrance hall.

<input type="checkbox"/> Drinking water	<input type="checkbox"/> Food	<input type="checkbox"/> Food for children (powdered milk and baby food)		
<input type="checkbox"/> Clothing	<input type="checkbox"/> Blankets	<input type="checkbox"/> Towels	<input type="checkbox"/> Slippers	
<input type="checkbox"/> Paper plates	<input type="checkbox"/> Tissue paper	<input type="checkbox"/> Alcohol wipes		
<input type="checkbox"/> Medicines you take regularly	<input type="checkbox"/> Adhesive and other types of bandages	<input type="checkbox"/> Disposable diapers		
<input type="checkbox"/> Disinfectants	<input type="checkbox"/> Sanitary napkins	<input type="checkbox"/> Disposable diapers		
<input type="checkbox"/> Helmets	<input type="checkbox"/> Rain gear	<input type="checkbox"/> Gloves	<input type="checkbox"/> Ropes	<input type="checkbox"/> Knives
<input type="checkbox"/> Cellphones	<input type="checkbox"/> Small radio	<input type="checkbox"/> Flashlights		
<input type="checkbox"/> Batteries	<input type="checkbox"/> Matches	<input type="checkbox"/> Lighters	<input type="checkbox"/> Watch	
<input type="checkbox"/> Money	<input type="checkbox"/> Bankbooks	<input type="checkbox"/> Health insurance card	<input type="checkbox"/> Personal seals	
<input type="checkbox"/> Passports	<input type="checkbox"/> Residence cards	<input type="checkbox"/> Special permanent resident certificates	<input type="checkbox"/> Basic resident registration cards	

Prepare things to take from home later

<input type="checkbox"/> Drinking water	<input type="checkbox"/> Food	<input type="checkbox"/> Toilet made of cardboard	<input type="checkbox"/> Portable gas cooking stove
<input type="checkbox"/> Futon	<input type="checkbox"/> Dry shampoo	<input type="checkbox"/> Toilet paper	



Things to Be Careful About in High-Rise Apartment Buildings

Differences from low-rise housing when an earthquake hits

- Swaying lasts for a longer time
- The higher the floor, the more intense the swaying is
- Furniture such as tall shelves and refrigerators fall over more easily
- Windows and glass in doors shatter easily
- Entrance doors and windows cannot be opened
- Elevators do not move if the power goes out



What you should pay attention to before an earthquake strikes

- Do not use tall shelves or refrigerators
- See page 8 and ensure that your shelves and refrigerator do not topple over
- See page 8 and place film on your windows so that they do not scatter
- Buy a crowbar or other tool so that you can pry open your entrance door and windows if necessary
- Make sure that you can get to the floor your room is located by the stairs
- Familiarize yourself with the locations of stairs to use when evacuating (emergency stairs)
- Have lots of drinking water and food on hand*
- Work together with the other residents
- Be sure to view the bulletin boards where notices are posted



* Because it will be harder to carry many things if the elevators stop



If You Are Unable to Evacuate Unassisted

There is a support system for people who require assistance in times of emergency

- People with physical disabilities who are unable to evacuate their homes unassisted can register for this system.
- Please consult the Kawasaki City government if you would like to register.

Note: People who live in the neighborhood will not necessarily help you.

Phone numbers to use when consulting the Kawasaki City government:

- | | |
|--|---|
| ● Kawasaki Ward residents → 044-201-3080 or 3213 | ● Daishi area residents → 044-271-0157 or 0162 |
| ● Tajima area residents → 044-322-1986 or 1984 | ● Saiwai Ward residents → 044-556-6619 or 6654 |
| ● Nakahara Ward residents → 044-744-3217 or 3265 | ● Takatsu Ward residents → 044-861-3255 or 3252 |
| ● Miyamae Ward residents → 044-856-3242 or 3304 | ● Tama Ward residents → 044-935-3266 or 3302 |
| ● Asao Ward residents → 044-965-5148 or 5159 | |





If You Can't Return Home After an Earthquake Hits

1 Get information about the earthquake

- Read **pages 5 and 6** before an earthquake occurs
- Get information about the earthquake using the methods described in **pages 5 and 6**

Links with information about whether buses are operating:

- Kawasaki municipal buses
⇒ <http://www.city.kawasaki.jp/820/>
- Yokohama municipal buses
⇒ <http://www.city.yokohama.lg.jp/koutuu>
- Odakyu buses
⇒ <http://www.odakyubus.co.jp/>
- Kanagawa Chuo Kotsu buses
⇒ <http://www.kanachu.co.jp/>
- Kawasaki Tsurumi Rinko buses
⇒ <http://www.rinkobus.co.jp/>
- Keihin Kyuko buses
⇒ <http://www.keikyu-bus.co.jp/>
- Tokyu buses
⇒ <http://www.tokyubus.co.jp/top/index.shtml>

- Find out whether buses and trains are operating
- If you are near a train station or police box, ask for information about the earthquake

Links with information about whether trains are operating:

- JR East
⇒ http://traininfo.jreast.co.jp/train_info/kanto.aspx
- Odakyu lines
⇒ http://www.odakyu.jp/cgi-bin/user/emg/emergency_bbs.pl
- Keio lines
⇒ https://www.keio.co.jp/unkou/unkou_pc.html
- Keihin Kyuko lines
⇒ <http://unkou.keikyu.co.jp/>
- Tokyu lines
⇒ <https://www.tokyu.co.jp/unten/unten.html>

2 Tell people that you're okay and find out whether your family members are all right

- Read **page 7** before an earthquake occurs
- Use the methods described on **page 7** to tell people that you're okay
- Use the methods described on **page 7** to find out whether your family members are safe



3-1 When walking home is difficult

- Go to a **temporary lodging facility for people unable to return home** located near a **major train station**
- "Major train station" refers to **Kawasaki, Musashi-Kosugi, Musashi-Mizunokuchi, Noborito, and Shin-Yurigaoka stations**

Temporary lodging facilities for people unable to return home

- These are places to go when walking home would be difficult
- Located near **Kawasaki, Musashi-Kosugi, Musashi-Mizunokuchi, Miyamaedaira, Noborito, and Shin-Yurigaoka stations**
- These facilities are also located along the coast near the ocean in **Kawasaki Ward**
- Information about the locations of **temporary lodging facilities for people unable to return home** can be found on the **Kawasaki City website**.



The QR code for viewing the map of temporary lodging facilities for people unable to return home

URL for the locations of temporary lodging facilities:
<http://www.city.kawasaki.jp/170/page/0000043386.html> *

* Please go to the website to download the PDF file of the map of temporary lodging facilities that is distributed at major train stations.

3-2 When it is possible to return home on foot

- Find out about roads that can be used to return home on foot before an earthquake hits
- Keep maps and drinking water in your bag
- Ask at **aid stations for people who are returning home** for help when walking back home



Aid stations for people who are returning home

- **Shops and restaurants*** that display the decal shown at right
- You can obtain information about the disaster and drinking water
- You can use the toilet

* **Convenience stores, fast food outlets, family restaurants, gas stands** and so on

Follow this link to obtain information about the establishments that will serve as aid stations for people returning home:

<http://www.9tokenshi-bousai.jp/i/pc/comehome/comehome6.html>



The QR code for obtaining information about the establishments that will serve as aid stations for people returning home



Help Each Other Out in the Neighborhood Where You Live

(1) Participate in autonomous disaster preparedness groups

- **Autonomous disaster preparedness groups** are organizations of people who live in the neighborhood that gather to safeguard the town when an earthquake hits
- Please also participate yourself



(2) Find out about how to help people

- Learn how to extinguish fires and help injured people with your neighbors
- Ask fire department personnel to teach you



(3) Help each other out in the neighborhood where you live

- When fires occur, put them out together with people who live in the neighborhood
- Help injured people together with your neighbors



Cooperation in local communities

(4) Help people who cannot evacuate on their own

- The elderly and people with physical disabilities may be unable to evacuate on their own
- Help them and evacuate together





What to Do When a Tsunami Occurs

1 Get information about tsunami

- Read [pages 5 and 6](#) before a tsunami occurs
- Use the methods described on [pages 5 and 6](#) to get information about tsunami
- [Tsunami advisories](#) and [alarms about tsunami and major tsunami](#) will be issued when tsunami occur

Tsunami advisory

- Issued when a tsunami is 0.2 to one meter high

Tsunami alarm

- Issued when a tsunami is from over one meter up to three meters high

Major tsunami alarm

- Issued when a tsunami is more than three meters high

2 What you should pay attention to when tsunami advisories or alarms about tsunami and major tsunami are issued

- View the [tsunami hazard map](#) before a tsunami occurs
- Leave the seashore or riverside immediately when a [tsunami advisory](#) is issued
- Evacuate to a nearby [tsunami shelter](#) or go above the third floor of a building when [alarms about tsunami or major tsunami](#) are issued.
- Raise the alarm when evacuating and evacuate on foot with other people nearby
- Do not return to the place you left, because more than one tsunami may occur
- Use the methods described on [page 7](#) to tell family members you are okay
- Use the methods described on [page 7](#) to find out whether your family members are safe



Tsunami hazard map

- Tsunami hazard map provides information about places at risk from tsunami
- The map can be obtained at the Kawasaki and Saiwai ward offices, branches, etc.
- The map can be downloaded from the following page:

You can get the map from the following link:

<http://www.city.kawasaki.jp/170/page/0000046474.html> *

* Please download the PDF file from the hazard map link.



The QR code for downloading the tsunami hazard map



Tsunami shelters

- These are the places you can evacuate to if a tsunami occurs
- Escape to a location above the third floor of a building
- Head for a [tsunami shelter](#) if you have nowhere else to go
- You can get information about the locations of [tsunami shelters](#) from the [tsunami hazard map](#)

You can get information about tsunami shelters from the following link:

<http://www.city.kawasaki.jp/170/page/0000046474.html> *

* Please download the PDF file from the tsunami shelter link.



The QR code for information about tsunami shelters



Tsunami shelter logo



What You Should Know about Storms and Floods

1-1 Torrential downpours

- “Torrential downpour” refers to a large amount of rain falling in a short period.
- Torrential downpours have recently been occurring suddenly.

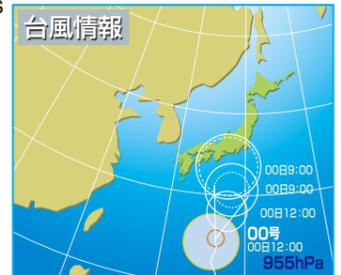
1-2 When torrential downpours occur

- Dark clouds approach
- It suddenly becomes dark all around
- Cold winds suddenly blow
- You can hear the sound of thunder
- You can see lightning
- Large drops of rain start falling
- Hail starts falling



2 Typhoons

- Powerful masses of large clouds
- Heavy rain falls
- Strong winds blow



The amount of rain that falls in an hour, and how it appears

Amount of rain falling in an hour	What it looks like	What you realize while in your car	Dangers
10 to 20 mm	<ul style="list-style-type: none"> • It rains a lot • Your shoes and legs get wet 		<ul style="list-style-type: none"> • If it rains for a long while, you should be careful about the dangers described below
20 to 30 mm	<ul style="list-style-type: none"> • It rains quite a lot • You get wet even when using an umbrella • People who are sleeping realize that it is raining 	<ul style="list-style-type: none"> • It is hard to see outside 	<ul style="list-style-type: none"> • Small streams overflow • Small embankments begin to crumble
30 to 50 mm	<ul style="list-style-type: none"> • It rains heavily • You get wet even when using an umbrella • People who are sleeping realize that it is raining 	<ul style="list-style-type: none"> • Cars moving at high speeds cannot brake properly 	<ul style="list-style-type: none"> • Hills and precipices crumble easily • Water bubbles up out of manholes in the street
50 to 80 mm	<ul style="list-style-type: none"> • It rains like a waterfall • The rain makes a drumming sound as it continues falling • It is not possible to use umbrellas 	<ul style="list-style-type: none"> • It is too dangerous to drive 	<ul style="list-style-type: none"> • Water flows underground • Water bubbles up out of manholes in the street • Hills and precipices crumble
More than 80 mm	<ul style="list-style-type: none"> • It is hard to breathe • It is scary • It is not possible to use umbrellas 	<ul style="list-style-type: none"> • It is too dangerous to drive 	<ul style="list-style-type: none"> • Many major disasters occur



What You Should Know about the Results of Heavy Rain, Lightning and Tornadoes

1 What happens to precipices when rain falls

- “Precipices” refer to high, steep places
- Precipices collapse when a lot of rain falls
- Precipices crumble when light rain falls for several days running
- Please be careful when **heavy rain advisories or warnings** and **landslide warning information** have been issued
- Please be careful if you observe the **things described below that happen before a precipice collapses**
- People who live in **potential landslide zones¹** should be especially careful
- Please evacuate to a safe location when the Kawasaki City government issues **evacuation information²**

¹ Please read the bottom section of this page for information about **potential landslide zones**.
² Please read **pages 3 and 4** to learn about **evacuation information**.



● Heavy rain advisory

- This advisory is issued when there is danger of disasters occurring because a lot of rain is falling

● Heavy rain warning

- This warning is issued when there is danger of major disasters occurring because a lot of rain is falling

● Landslide warning information

- Issued when groundwater has increased due to heavy rainfalls
- There is a high risk of precipices collapsing when this kind of warning is issued



- The **evacuation information** described on **page 3** may be issued when the above advisories are given
- You can find out about the above advisories and the **evacuation information** described on **page 3** with the methods described on **pages 5 and 6**

● What happens before precipices collapse

- Precipices swell with rainwater
- Water runs over the top of precipices
- Dirty water flows out of precipices
- Precipices split open
- Trees on precipices fall over
- Stones and rocks fall from precipices

2 What happens in underground and low-lying locations and rivers when rain falls?

● Underground urban spaces and train stations:

- Underground areas fill up with water
- People are unable to open doors because of the overflowing water's power
- People may drown in the overflow
- Please evacuate quickly and observe what is going on outside for your safety



● Low-lying areas:

- Low-lying places are flooded
- Cars are unable to move in the overflowing water
- Avoid flooded areas



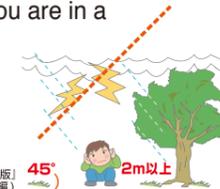
● Around rivers

- Rivers rise
- Rivers flow more quickly
- Please do not go near rivers that have risen



3 When lightning is striking

- Escape or stay indoors
- Get or stay inside your car
- Do not go near tall trees, because lightning may strike them
- Crouch down low if you are in a wide-open space



文献「雷から身を守るには-安全対策 Q&A-改訂版」(日本気象電気学会編)

4 When tornadoes occur

● If you are outdoors

- Get indoors as soon as possible
- Do not go near utility poles or trees that may fall over

● If you are indoors

- Stay away from windows and walls
- Go to a windowless room or the basement
- Get into the bath or under a desk



Identify Hazardous Locations by Viewing Hazard Maps Before Storms or Floods Occur

1 Landslide hazard map

- **Potential landslide zones** are places at risk of precipices collapsing
- Please learn about **potential landslide zones** by viewing the landslide hazard map
- You can obtain the map at a nearby ward office or branch
- The landslide hazard map can also be downloaded at the following link:

Link for downloading the landslide hazard map

<http://www.city.kawasaki.jp/500/page/0000017971.html> *

* Please download the landslide hazard map PDF file.



The QR code for downloading the landslide hazard map



2 Flood hazard map

- Flooding occurs around the city when rain causes rivers to rise
- Please identify places that are potentially dangerous because of overflowing rivers by viewing the **flood hazard map**
- You can obtain the map at a nearby ward office or branch
- The map can also be downloaded at the following link:

Link for downloading the flood hazard map

<http://www.city.kawasaki.jp/530/page/0000018174.html> *

* Please download the Tama and Tsurumi Rivers flood shelter map PDF file.



The QR code for downloading the flood hazard map



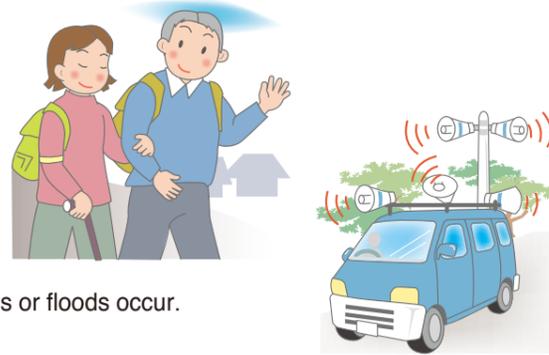


What You Should Know Before Evacuating Due to Storms or Floods

When to evacuate

- (1) When your house has collapsed
- (2) If your house does not have any rooms above the second floor
- (3) When rainwater may come into your house
- (4) When a precipice collapses and your house is at risk
- (5) When the Kawasaki City government issues **evacuation information***

* The Kawasaki City government issues **evacuation information** when storms or floods occur.
 * Please read **page 3** for **evacuation information**.



Where to evacuate, and an evacuation scenario

● Where to evacuate and the evacuation scenario are the same as for earthquakes*.

* Please read **page 3 and 4** to learn about where to evacuate.
 * Please read **page 3 and 4** to learn about the evacuation scenario.

What you should pay attention to when evacuating

- Get correct information
- Use a flashlight when it is dark
- Wear comfortable clothing for ease of movement
- Escape to a room higher than a building's second floor
- Use a backpack
- Use a walking stick when water is overflowing
- Ensure that you can use both hands
- You will be unable to walk when the water's height exceeds 50 cm



Kawasaki City Government Website



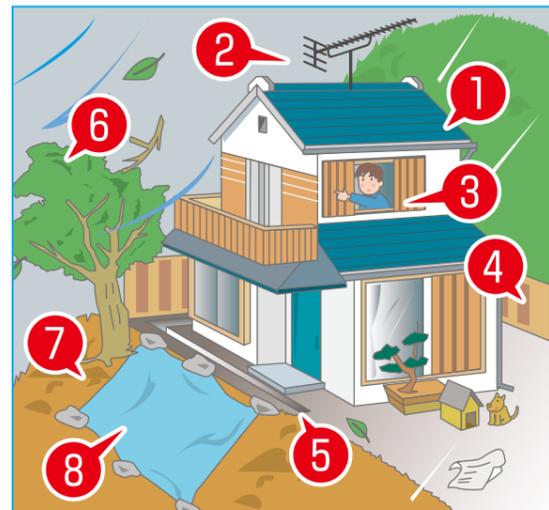
Click here



Things to Do Before a Storm or Flood Occurs

Reinforce your house

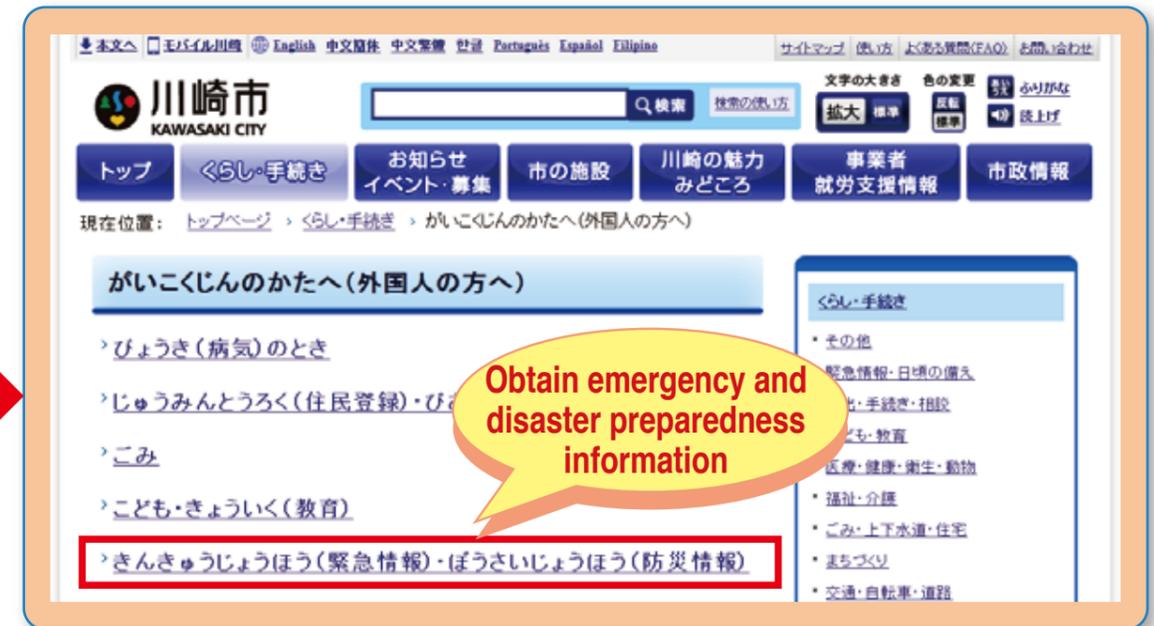
- 1 Reinforce (repair) your roof (rooftop)
- 2 Reinforce (anchor) your antenna
- 3 Switch to high strength window glass
- 4 Reinforce (shore up) your walls
- 5 Clean the paths water follows
- 6 Cut the trees around your house
- 7 Dump dirt
- 8 Cover dirt with tarps



What to take with you

● The things to take with you are the same as for when an earthquake hits.*

* Please read **page 9** for information.



Obtain emergency and disaster preparedness information