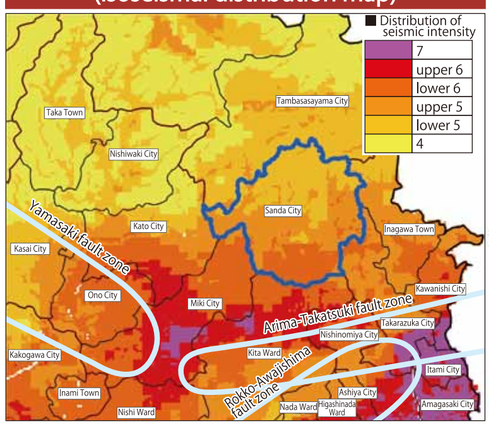
The damage assumed by the tremor of an earthquake

Seismic Intensity 0 (Earthquake Intensity 0)	●Quake imperceptible to people.
Seismic Intensity 1	●Quake perceptible to some people indoors.
Seismic Intensity 2	●Quake perceptible to most people indoors and wakens some sleepers. ●Hanging objects such as electric lights sway slightly.
Seismic Intensity 3	●Quake perceptible to almost all people indoors and wakens most sleepers. ●Objects such as dishes and others in the cupboard may rattle. ●Overhead power lines sway a little.
Seismic Intensity 4	●Frightens almost all people and wakens almost all sleepers. ●Hanging objects such as electric lights swing hard, and dishes and others in the cupboard rattle. ●Overhead power lines swing hard and some car drivers notice quake.
Seismic Intensity of lower 5	●Most people are fearful and try to hold onto fixed things tightly. ●Hanging objects such as electric lights swing very hard, and dishes and others in the cupboard or books on the bookshelves may fall down. ●Unanchored furniture may move and unstable things may fall down. ●We can see utility poles swing and some roads may be damaged.
Seismic Intensity of upper 5	●Most people find it difficult to move, such as having difficulty walking without holding onto something. ●TVs on racks fall and unanchored furniture may fall down. ●Unreinforced concrete-block walls may collapse and poorly installed vending machines may fall down. Drivers have difficulty driving.
Seismic Intensity of lower 6	●People find it difficult to keep standing. ●Most unanchored furniture moves or falls down. Doors may not open. ●Tiles on the wall or window glass may be damaged or fall down. ●Roof tiles of less earthquake-resistant wooden houses may fall and they may lean or fall down.
Seismic Intensity of upper 6	●People cannot stand or move except by crawling, may be thrown off by the quake and are at the mercy of the quake. ●Almost all unanchored furniture moves or falls down. ●Most less earthquake-resistant wooden houses may lean or fall down. ●Big cracks may appear on the ground and large-scale landslides or collapse of mountains may occur.
Seismic Intensity 7	●Almost all unanchored furniture moves or may be thrown off. ●Further number of less earthquake-resistant wooden houses may lean or fall down. ●In rare cases, even highly earthquake-resistant wooden houses may lean. ●Many less earthquake-resistant reinforced concrete houses and buildings may fall down.

Arima-Takatsuki fault zone earthquake (Isoseismal distribution map)



"Nankai megathrust earthquake", a big earthquake of magnitude 8~9, is predicted in the next 30 years with a 70-80% probability. Hyogo Prefectural Government anticipates minor damage in Sanda City as follows:
- maximum Seismic Intensity is upper 5, no death, 11 injured
- single complete collapse of house or building
- 13 people need shelters

However, due to the 3 fault zones around Sanda City (Arima-Takatsuki, Rokko-Awajishima, Yamasaki) huge damage is estimated if these geologic faults cause inland epicentral earthquakes. Seismic Intensity is from upper 5 to lower 6.

Please keep in mind that we should regularly enhance disaster awareness and make preparations for disaster, including anchoring furniture and stocking emergency food and goods.

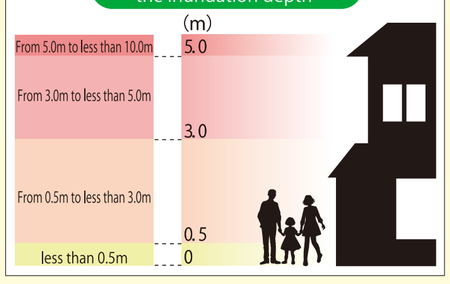
An evacuation site of our family

Evacuation site name

About flood or inundation prone area

●Flood or inundation prone areas are designated and published by Hyogo Prefecture, and indicate the area and depth of water where inundating is expected when a river embankment breaks or overflows due to heavy rain.

How to see the color of the inundation depth



・The rainfall (estimated maximum rainfall) used to calculate flood or inundation prone areas are shown on this hazard map as follows.
Mukogawa River Basin: 511mm/24 hours
Tojo River Basin: 788mm/2 days
・Due to the type of rainfall, land conditions, and the overflow of drainage channels, etc., there is a possibility of flooding in areas other than the flood or inundation prone areas, so sufficient attention is required.

Legend

Facilities
- City designated evacuation shelter
- Auxiliary evacuation shelter
- Wide-area evacuation site
- Welfare evacuation shelter
- Fire Department / Fire Department Substation / Volunteer Fire Brigade
- Police Station / Police Substation / Police Box (Koban)
- Emergency notification medical institution
- City Office
- Disaster Loudspeaker
- AED installed facility
- Other disaster prevention related organizations
- Landmark
- City Disaster Prevention Warehouse
- Underground facility・Underpass
- Water level observatory
- Heliport
- Rainfall observatory
- JR / Kobe Electric Railway
- National road
- Highway
- Prefectural roads and major city roads

Landslide disaster
- Landslide disaster special alert area
- Landslide disaster alert area (Debris flow)
- Debris flow prone stream
- Landslide disaster alert area (Steep slope)
- Landslide disaster alert area (Landslide)
- Inundation results (Typhoon No. 23 of 2004)

Landslide disaster alert area, Landslide disaster special alert areas are published, based on the survey results of Sanda Office, Takarazuka Civil Engineering Office, Hyogo Prefecture.

List of evacuation sites ※Junior high schools would not open as evacuation shelters for storm and flood disasters.

City designated evacuation shelter — A place to evacuate if my home is damaged by a disaster

Facility name	Address	Telephone
Sanda Elementary School	2-20 Yashikimachi, Sanda City	079-562-4751
Hakkei Junior High School ※	1205 Hakkeicho, Sanda City	079-563-2204
Sanda Civic Center	22-19 Sandacho, Sanda City	079-563-2991
Shiroyama Park	1314 Miwa, Sanda City	079-563-5511
Miwa Elementary School	1-12-11 Miwa, Sanda City	079-564-4087
Matsugaoka Elementary School	535 Kawayoke, Sanda City	079-563-4320
Shidehara Elementary School	881 Shidehara, Sanda City	079-563-4406
Uenodai Junior High School ※	1145 Shidehara, Sanda City	079-563-0234
Hirono Elementary School	295 Kamiisawa, Sanda City	079-567-0024
Hirono Civic Center	28-1 Kamiisawa, Sanda City	079-567-0490
Moshi Yamanomine Hall	701-3 Moshi, Sanda City	079-566-0070
Ono Kindergarten	1740 Ono, Sanda City	079-566-0502
Arima Fuji Coexistence Center	968 Ninji, Sanda City	079-566-1200
Ai Civic Center	1307-44 Okawase, Sanda City	079-560-7551
Ai Junior High School※	1307-36 Okawase, Sanda City	079-568-3747
Tsutsujigaoka Elementary School	3-829-1 Tsutsujigaokaminami , Sanda City	079-568-3771
Ai Elementary School	477-1 Nishiaino, Sanda City	079-568-0001
Honjo Elementary School	1910 Higashihonjo, Sanda City	079-568-1002
Nagasaka Junior High School※	484 Nagasaka, Sanda City	079-568-1307
Village of Friendship and Creation	1129-1 Yotsutsuji, Sanda City	079-568-4000
Muko Elementary School	4-13 Mukogaoka, Sanda City	079-563-1761
Hasama Elementary School	4-4 Hasamagaoka, Sanda City	079-562-2145
Hasama Junior High School ※	4-1 Hasamagaoka, Sanda City	079-564-6492
Fuji Elementary School	1-12 Fujigaoka, Sanda City	079-562-8245
Fuji Junior High School ※	3-25 Fujigaoka, Sanda City	079-562-7224
Yayoi Elementary School	2-20 Yayoigaoka, Sanda City	079-562-5175
Flower Town Civic Center	7-3-1 Mukogaoka, Sanda City	079-562-5555
Suzukakedai Elementary School	2-45 Suzukakedai, Sanda City	079-565-0081
Akashiadai Elementary School	2-6 Akashiadai, Sanda City	079-565-2712
Yurinokidai Elementary School	4-24 Yurinokidai, Sanda City	079-565-7145
Yurinokidai Junior High School ※	2-1-1 Yurinokidai, Sanda City	079-565-4971
Keyakidai Elementary School	3-77 Keyakidai, Sanda City	079-565-1950
Keyakidai Junior High School ※	2-1 Keyakidai, Sanda City	079-565-0086
Woody Town Civic Center	1-4-1 Keyakidai, Sanda City	079-565-2443
Gakuen Elementary School	7-7 Gakuen, Sanda City	079-565-8100

Auxiliary evacuation shelter — Extra evacuation shelters open in case of a shortage of City designated evacuation shelters

Arima High School	2-1-50 Tenjin, Sanda City	079-563-2881
Hokusetsu Sanda High School	1-1-1 Hasamagaoka, Sanda City	079-563-6711
Sanda Seiryo High School	3-4 Yurinokidai, Sanda City	079-565-5287
Sanda Shounkan High School	1-1 Gakuen, Sanda City	079-560-6080

Wide-area evacuation site — Evacuation sites for major disasters

Komagatani Athletics Park	1-44 Yurinokidai, Sanda City	079-565-7288
Chuo Park	2-3 Keyakidai, Sanda City	079-565-4881
Hajikamiike Park	5-1 Akashiadai, Sanda City	–
Shiroyama Park	1314 Miwa, Sanda City	079-563-5511
Sandadani Park	3-3836 Mukogaoka, Sanda City	–
Fukata Park	6-4 Yayoigaoka, Sanda City	–
Tsutsujigaoka-Chuo Park	2-5-12 Tsutsujigaokakita, Sanda City	–
Gakuen-Higashi Park	3-3 Gakuen, Sanda City	–
Techno Park	3-1 Technopark, Sanda City	–

Welfare evacuation shelter — Shelters for people who need partial assistance Set up in accordance with each situation.

Facility name	Address	Telephone
Sanda Welfare and Health Center	675 Kawayoke, Sanda City	079-559-5700
Junior and Senior High School Division for Special Needs Education, Himawari / Elementary School Division for Special Needs Education, Himawari	3-25 Fujigaoka, Sanda City	079-562-7667
	1-12 Fujigaoka, Sanda City	079-562-8667
Uenogahara School for Disabled Students	1546-6 Ohara-Umenoki, Sanda City	079-563-3434
Prefectural High School for Disabled Children	1546-6 Ohara-Umenoki, Sanda City	079-563-0689

Some city designated evacuation shelters, if needed, have particular space for people who need support. Your first move is to go to the nearest shelter.

The list of agencies and institutions in charge of disaster prevention activities

The name of the agencies and institutions	Address	Telephone
Sanda City Office	2-1-1 Miwa, Sanda City	079-563-1111
Fire Department Headquarters (Fire Department)	396 Shimofukata, Sanda City	079-564-0119
Fire Department West Substation	1143 Nagasaka, Sanda City	079-568-7119
Fire Department East Substation	216-6 Shidehara, Sanda City	079-559-0119
Sanda Police Station	1-10-1 Tenjin, Sanda City	079-563-0110
Takarazuka Civil Engineering Office Sanda Office	1-10-14 Tenjin, Sanda City	079-562-8883
Council of Social Welfare	675 Kawayoke, Sanda City	079-559-5940
City Hospital	3-1-1 Keyakidai, Sanda City	079-565-8000
Hirashima Hospital	1-2-15 Tenjin, Sanda City	079-564-5381
Aozora Clinic	357-1 Ohata11, Sanda City	079-560-0325

Emergency contact place

Sanda City Headquarters for Disaster Control (City Office)
TEL 079-563-1111
Fire Department (Fire/Ambulance)
TEL 119

For information relating to this map, please contact:
Crisis Management Division, Sanda City
TEL 079-559-5057 FAX 079-559-1254
E-mail kikikanri@city.sanda.lg.jp

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