

## | Landslides |

# Learn about landslides

Landslide disasters include landslides, mudslides, and landslips.  
Let's learn about the dangers of landslides and take appropriate countermeasures.

01

## Types of landslide disasters

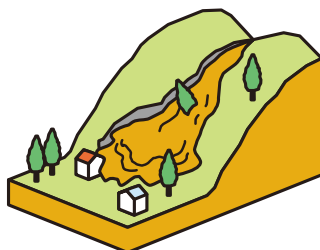
### [Landslides]

A phenomenon in which water seeping into the ground weakens soil resistance, causing slopes to collapse rapidly due to rain or earthquakes, etc.



### [Mudslides]

A phenomenon in which stones and sediment on mountainsides and river beds are suddenly swept downstream by extended periods of rain or torrential downpours.



### [Landslips]

A phenomenon in which part or all of a slope moves slowly downwards due to the influence of flowing groundwater or other factors.



02

## What are Landslide Special Warning Areas?

Landslide-prone areas are designated by Yamanashi Prefecture and divided into 'Landslide Special Warning Areas' and 'Landslide Advisory Areas' according to their risk level.

### [Landslide Advisory Area]

In areas where there is a risk of landslides, citizens will be made aware of the dangers and warning and evacuation systems will be established, such as the preparation of evacuation handbooks, etc.

\*Certain restrictions may apply to development activities.

### [Landslide Special Warning Area]

Landslide Special Warning Areas are areas inside Landslide Advisory Areas where buildings are likely to be damaged and citizens are likely to suffer significant harm. Permission is required for certain development activities and structural restrictions on buildings, recommendations for relocation of buildings, and support measures are implemented.

## | Check Landslide Special Warning Areas! |

You can check the Landslide Special Warning Areas on the flood hazard map. Be sure to look up your area in advance.

Kofu City  
Earthquake  
Hazard Map



## | Know the signs! |

### [Landslides]

- Small rocks start falling down from a cliffside
- Water gushes from a cliffside
- Cracks form in cliffside



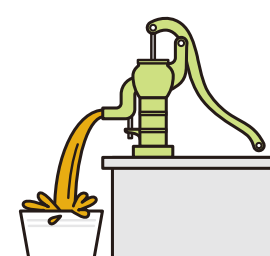
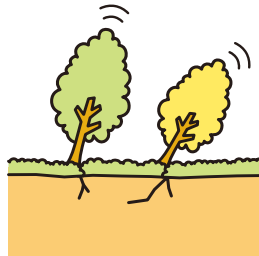
### [Mudslides]

- The river level drops despite continuous rainfall
- The river suddenly becomes muddy
- Driftwood is floating in the water



### [Landslips]

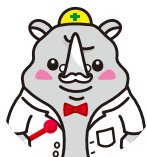
- Cracks and bumps appear in the ground
- Trees start to lean
- Stream and well water becomes muddy



Let's check together!



When are landslides more likely to occur?  
Also, are there always certain warning signs that appear ahead of landslides?



Landslides are more likely to occur when a lot of rainwater accumulates underground, such as during heavy rainfall. In recent years, we have seen an increase in torrential rains and other heavy rains that fall over a small area for several hours, so caution is required. Even if there are no precursors or warning signs, a landslide may still occur, so evacuate immediately if you sense anything out of the ordinary.

## | Landslides |

# Keeping yourself safe in the event of a landslide

Landslides can be predicted to some degree. Keep up to date with the latest weather information and act accordingly to protect your personal safety.

## Warning (Heavy Rain/Flood) Continued rainfall



### Check weather information

- Check weather information on TV, radio, etc.

(Double check emergency supplies)



- Look up weather information

Kofu Local Meteorological Observatory



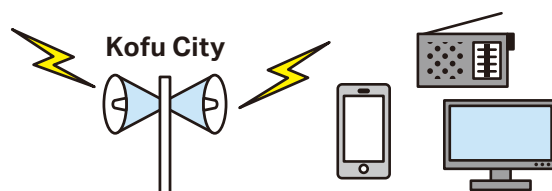
- Check rainfall and landslide warning information

Yamanashi Prefecture Rainfall and Water Level Information



\* Information also available on TV channel 11 (NNS)

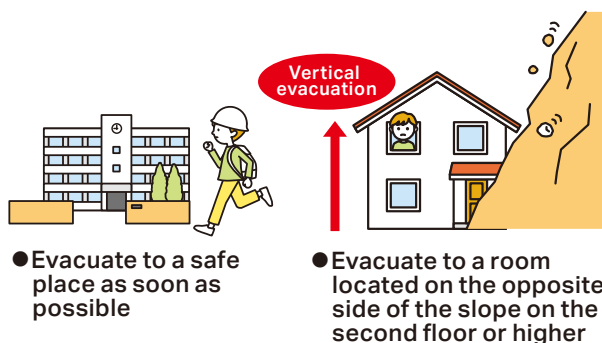
## Warning Continued heavy rain



### 《Evacuation information issued》

- When warning signs of landslides occur
- When a landslide warning is issued
- In other cases where evacuation is deemed necessary

### Consider where to evacuate to depending on the situation



- Evacuate to a safe place as soon as possible

- Evacuate to a room located on the opposite side of the slope on the second floor or higher

／ **Evacuate voluntarily if you determine that you are in danger!** \

## | What is Landslide Alert Information? |

Landslide Alert Information identifies the cities, towns, and villages at risk of landslides and alerts them when a life-threatening landslide could occur at any time. This is issued jointly by prefectural governments and the Japan Meteorological Agency, and equates to 'Alert Level 4', which requires evacuation from dangerous areas.



Landslide Alert  
Information

## Landslide Alert Information

(The risk is a landslide is extremely high)

### Evacuation Order for vulnerable Residents (Elderly, Etc.) issued!

#### Evacuation of Vulnerable Residents (Elderly, Etc.) !

- Get in touch with family members
- Prepare an emergency bag!
- Those who require longer to evacuate, start evacuating!

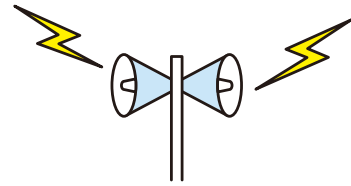
## Evacuation Order issued!

### Everybody evacuate!

- Call out to neighbors and evacuate in groups!
- Those who have not yet evacuated, evacuate quickly!

## Heavy Rain Emergency Warning

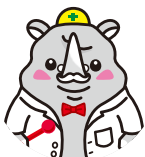
Once-in-several-decades heavy rainfall



Let's check together! /



How can we stay safe from landslides that can take lives in an instant?



First, check the flood hazard map to see if your location is in a Landslide Advisory Area. If it starts to rain, stay up to date with the latest information and evacuate as soon as possible! The conditions will be extremely dangerous while a landslide warning is in effect. Even if the rain has subsided, landslides can still occur, so remain vigilant at all times!