

Fact Sheet: Recognize Landslide Warning Signs

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- Changes in your landscape such as patterns of storm-water drainage on slopes (especially the places where runoff water converges) land movement, small slides, flows, or progressively leaning trees.
- Doors or windows stick or jam for the first time.
- New cracks appear in plaster, tile, brick, or foundations.
- Outside walls, walks, or stairs begin pulling away from the building.
- Slowly developing, widening cracks appear on the ground or on paved areas such as streets or driveways.
- Underground utility lines break.
- Bulging ground appears at the base of a slope.
- Water breaks through the ground surface in new locations.
- Fences, retaining walls, utility poles, or trees tilt or move.
- A faint rumbling sound that increases in volume is noticeable as the landslide nears.
- Unusual sounds, such as trees cracking or boulders knocking together, might indicate moving debris.
- Collapsed pavement, mud, fallen rocks, and other indications of possible debris flow can be seen when driving (embankments along roadsides are particularly susceptible to landslides).

After the Landslide

- Go to a designated public shelter if you have been told to evacuate or you feel it is unsafe to remain in your home.
- Stay away from the slide area. There may be danger of additional slides.
- Listen to local radio or television stations for the latest emergency information.
- Watch for flooding, which may occur after a landslide or debris flow.
- Check for injured and trapped persons near the slide, without entering the direct slide area. Direct rescuers to their locations.



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- Check the building foundation, chimney, and surrounding land for damage. Damage to foundations, chimneys, or surrounding land may help you assess the safety of the area.

Visit <https://www.ready.gov/landslides-debris-flow> for more information about how to protect you and your family from landslides.

The heavy rain and wind brought by Hurricane Maria caused a landslide that destroyed this home.

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FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.

*Disaster recovery assistance is available without regard to race, color, religion, nationality, sex, age, disability, English proficiency or economic status. If you or someone you know has been discriminated against, call FEMA toll-free at **800-621-3362** (voice, **711/VRS** - Video Relay Service) (TTY: **800-462-7585**). Multilingual operators are available (press 2 for Spanish).*

The SBA is the federal government's primary source of money for the long-term rebuilding of disaster-damaged property. SBA helps businesses of all sizes, private non-profit organizations, homeowners and renters, which can cover the cost of replacing lost or disaster-damaged real estate and personal property. These disaster loans cover losses not fully compensated by insurance or other recoveries and do not duplicate benefits of other agencies or organizations.

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