

Hurricane Safety Tips and Resources

National Weather Service · Source: NOAA /
National Weather Service

What to know about hurricane season and the main hazards of a tropical storm: storm surge, inland flooding, wind, tornadoes, and rip currents. For anyone living on or visiting a hurricane-prone coast.

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<https://www.weather.gov/safety/hurricane>

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Hurricane Safety Tips and Resources

Hurricane Resources

Hurricanes are among nature's most powerful and destructive phenomena. On average, 14 tropical storms, 7 of which become hurricanes form over the Atlantic Ocean, Caribbean Sea, or Gulf of America during the hurricane season which runs from June 1 to November 30 each year. In the Central Pacific Ocean, an average of 3 tropical storms, 2 of which become hurricanes form or move over the area during the hurricane season, which runs from June 1 to November 30 each year. Guam, the Northern Marianas and Micronesia experience typhoons all year round but the main season is July through November with a peak from mid-August to mid-September. Over a typical 2-year period, the U.S. coastline is struck by an average of 3 hurricanes, 1 of which is classified as a major hurricane (winds of 111 mph or greater). By knowing what actions to take before the hurricane season begins, when a hurricane approaches, and when the storm is

in your area, as well as what to do after a hurricane leaves your area, you can increase your chance of survival. If you, or someone you know, have been a victim of a hurricane, please share your story, including the town and state you were in and the year the event took place. Please note that NS will then have permission to use your story for educational campaigns. Sharing this information may help save someone's life in the future. Read stories from survivors and learn how to stay safe.

Hurricane Hazards

While hurricanes pose the greatest threat to life and property, tropical storms and depression also can be devastating. The primary hazards from tropical cyclones (which include tropical depressions, tropical storms, and hurricanes) are storm surge flooding, inland flooding from heavy rains, destructive winds, tornadoes, and high surf and rip currents.

- Storm surge is the abnormal rise of water generated by a storm's winds. This hazard is historically the leading cause of

hurricane related deaths in the United States. Storm surge and large battering waves can result in large loss of life and cause massive destruction along the coast.

- Storm surge can travel several miles inland, especially along bays, rivers, and estuaries.
- Flooding from heavy rains is the second leading cause of fatalities from landfalling tropical cyclones. Widespread torrential rains associated with these storms often cause flooding hundreds of miles inland. This flooding can persist for several days after a storm has dissipated.
- Winds from a hurricane can destroy buildings and manufactured homes. Signs, roofing material, and other items left outside can become flying missiles during hurricanes.
- Tornadoes can accompany landfalling tropical cyclones. These tornadoes typically occur in rain bands well away from the center of the storm.
- Dangerous waves produced by a tropical cyclone's strong winds can pose a

significant hazard to coastal residents and mariners. These waves can cause deadly rip currents, significant beach erosion, and damage to structures along the coastline, even when the storm is more than a 1,000 miles offshore.

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