Summer Weather Safety

Know Your Risk, Take Action, Be a Force of Nature
Summer Weather Hazards

- Tornadoes, Thunderstorms, and Lightning
- Flooding
- Heat
- Hurricanes
- Rip Currents, Dangerous Waves
- Wildfire and Air Quality
- Drought
Severe Weather

- Thunderstorms can produce tornadoes, strong wind, large hail, and lightning
- Practice a severe weather plan for home and work
- Make a communications plan so you can contact loved ones
Tornadoes

- Winds from tornadoes can exceed 200 mph
- Flying debris is most dangerous
- Seek a sturdy shelter in an interior room away from windows on the lowest floor and cover your head

weather.gov/safety
NWS Tornado Products

- **Tornado Warning**
  Tornado expected! Seek shelter. A tornado is occurring or will shortly at this location on the map.

- **Tornado Watch**
  Tornado possible. Be prepared. Weather conditions favor thunderstorms capable of producing tornadoes at this location on the map.

- **Wireless Emergency Alert**

- **Emergency Alert**
  Tornado warning for this area until 815 pm. Take shelter immediately. Check local media. - NWS

weather.gov/safety
Thunderstorms

- Severe thunderstorms produce strong wind and/or large hail
- Take shelter in a sturdy structure away from windows
- A vehicle is also a safe location when there is no other nearby shelter
Thunderstorms

• Conditions can change rapidly with thunderstorms nearby or overhead
• Don’t second-guess how a thunderstorm will evolve
• Take shelter before the storm and remain there through an all-clear signal from the NWS
Thunderstorms

- Strong wind gusts from thunderstorms can create dust storms
- Dust storms can reduce visibility and make travel difficult
- If travelling, prepare to reduce speed and pull over to the side of the road
NWS Severe Thunderstorm Products

1 Severe Thunderstorm Warning
Severe storms expected! Seek shelter. Large hail or damaging wind is occurring or will shortly at this location on the map.

2 Severe Thunderstorm Watch
Severe storms possible. Be prepared. Weather conditions favor thunderstorms capable of producing large hail or damaging wind at this location on the map.
Lightning

- All thunderstorms produce lightning
- Lightning kills an average of 30 people every year
- Take shelter inside a sturdy structure
- A hard-topped vehicle is also a safe location
Hurricanes

- Tropical storms and hurricanes can produce deadly flooding
- Storm surge is ocean water that is brought inland and floods areas along the coast
- Heavy rain can cause flooding hundreds of miles inland
Hurricanes

- Prepare your home by protecting it from flying debris
- Board up windows with plywood or approved shutters
- Bring in loose items from outside such as lawn furniture
- Secure your boat if you have one

weather.gov/safety
Hurricanes

- Hurricanes can strengthen quickly
- Listen to local authorities and follow evacuation orders
- Drive carefully and contact your loved ones once you’ve reached your safe location
NWS Hurricane Products

1. Hurricane Warning
   - Hurricane expected! Seek shelter. Hurricane force winds are expected in your area. Seek shelter in a sturdy structure or evacuate if needed.

2. Hurricane Watch
   - Hurricane possible. Be prepared. Hurricane force winds are possible in your area. Prepare your home by boarding up windows and moving loose items indoors. Have an emergency supply kit ready.

Wireless Emergency Alert

Emergency Alert
- Hurricane warning for this area. Check local media and authorities.
- NWS
Flooding

- Flooding is often caused by heavy rain in the summer
- More than half of all flood fatalities are vehicle-related
- Never drive through flood waters

weather.gov/safety
NWS Flood Products

1. **Flood Warning**
   - Flooding expected! Take Action.
   - Confidence is high that flooding which poses a significant threat to life and property is occurring or will shortly. Seek higher ground if you are in a flood-prone area. Never drive through flood waters!

2. **Flood Watch**
   - Flooding possible. Be Prepared.
   - Confidence is medium that flooding may develop. Find out if you are in a flood-prone area. Check the forecast and be ready to take action if a flood warning is issued.
Extreme Heat

- Heat and humidity take a toll on the body
- Know the signs of heat illness
- Reschedule outdoor work and strenuous activities until the coolest time of the day
- Stay hydrated by drinking plenty of water
Extreme Heat

• Sunburn and heat illness can be avoided
• Apply and reapply sunscreen to protect your skin from sunburn
• NEVER leave children or pets in parked, unattended vehicles
NWS Heat Products

1. Excessive Heat Warning
Excessive Heat Expected! Take Action.
Confidence is high that extremely hot weather will cause significant stress on the people and animals unless precautionary measures are taken. Avoid direct sunlight, drink plenty of fluids, and find a cool indoor place is possible.

2. Excessive Heat Watch
Excessive Heat Possible. Be Prepared.
Confidence is medium that extremely hot weather will develop across the region. Have a plan in place to avoid strenuous activity during the warmest parts of the day. Make sure children, elderly, and pets are taken care of in case extreme heat develops.
Tsunamis

• A tsunami is one of the most powerful and destructive forces of nature
• Know nature's warnings: strong or long earthquake, sudden ocean rise or fall, ocean roar
• Respond to warnings: move to high ground or inland
NWS Tsunami Products

**Tsunami Warning**
A Tsunami is expected! Take Action! Danger! A tsunami that may cause widespread flooding is expected or occurring. Dangerous coastal flooding and powerful currents are possible and may continue for several hours or days after initial arrival. Move to high ground or inland immediately!

**Emergency Alert**
Tsunami danger on the coast. Go to high ground or move inland. Listen to local news. - NWS

[weather.gov/safety](http://weather.gov/safety)
Rip Currents

- Millions of people will travel to the beach this summer
- Learn about rip currents before heading to the beach
- Plan your trip by checking the forecast at weather.gov/beach
NWS Rip Current Products

RIP CURRENTS
Break the Grip of the Rip!

Rip Current Statement

Rip Currents are Expected! Use Caution. Conditions are favorable for rip currents along the beach. If you are caught in a rip current, escape by swimming in a direction following the shoreline until you are out of the rip current.
Wildfire

- Wildfires are most often started by lightning or humans
- Stay with your fire when camping
- Fully extinguish your fire when finished
- Never burn on dry windy days
Wildfire

- If you encounter a wildfire, drive or walk away from the smoke and flames immediately
  - Call 911 and report the fire
- If told to evacuate, follow instructions from local officials
  - Follow the evacuation route and contact loved ones once you’ve reach safety
Air Quality

• Smoke from wildfires can travel thousands of miles and cause poor air quality
• Keep door and windows closed to reduce infiltration into your home
Air Quality

• Exhaust from vehicles is another source of air pollution
• Harmful buildup of ground-level ozone can enhance health problems such as asthma
• Limit strenuous outdoor activity on days with poor air quality
Drought

• The heat of summer can cause short-term droughts which affect vegetation and agriculture
• Long term droughts can impact large reservoirs and the people that depend on them
• Implement water conservation efforts to minimize drought
Summer Weather Safety Resources

weather.gov/safety/tornado
weather.gov/safety/thunderstorm
weather.gov/safety/lightning
weather.gov/safety/flood
weather.gov/safety/heat
weather.gov/safety/hurricane
weather.gov/safety/tsunami
weather.gov/safety/wildfire
weather.gov/safety/airquality
weather.gov/safety/ripcurrent