

# Home Fire Safety

In just two minutes, a fire can become life-threatening. In five minutes, a residence can be engulfed in flames.

## Learn About Fires

- **Fire is FAST!** In less than 30 seconds a small flame can turn into a major fire. It only takes minutes for thick black smoke to fill a house or for it to be engulfed in flames.
- **Fire is HOT!** Heat is more threatening than flames. Room temperatures in a fire can be 100 degrees at floor level and rise to 600 degrees at eye level. Inhaling this super-hot air will scorch your lungs and melt clothes to your skin.
- **Fire is DARK!** Fire starts bright, but quickly produces black smoke and complete darkness.
- **Fire is DEADLY!** Smoke and toxic gases kill more people than flames do. Fire produces poisonous gases that make you disoriented and drowsy. Asphyxiation is the leading cause of fire deaths, exceeding burns by a three-to-one ratio.

## Before a Fire

### Create and Practice a Fire Escape Plan

In the event of a fire, remember that every second counts, so you and your family must always be prepared. Escape plans help you get out of your home quickly.

Twice each year, practice your home fire escape plan. Some tips to consider when preparing this plan include:

- Find two ways to get out of each room in the event the primary way is blocked by fire or smoke.
- A secondary route might be a window onto a neighboring roof or a collapsible ladder for escape from upper story windows.
- Make sure that windows are not stuck, screens can be taken out quickly, and that security bars can be properly opened.
- Practice feeling your way out of the house in the dark or with your eyes closed.
- Teach children not to hide from firefighters.

## Smoke Alarms

A working smoke alarm significantly increases your chances of surviving a deadly home fire.

- Install both ionization AND photoelectric smoke alarms, OR dual sensor smoke alarms, which contain both ionization and photoelectric smoke sensors.
- Test batteries monthly.
- Replace batteries in battery-powered and hard-wired smoke alarms at least once a year (except non-replaceable 10-year lithium batteries).
- Install smoke alarms on every level of your home, including the basement, both inside and outside of sleeping areas.
- Replace the entire smoke alarm unit every 8-10 years or according to manufacturer's instructions.
- Never disable a smoke alarm while cooking – it can be a deadly mistake.

## **Smoke Alarm Safety for People with Access or Functional Needs**

- Audible alarms for visually impaired people should pause with a small window of silence between each successive cycle so that they can listen to instructions or voices of others.
- Smoke alarms with a vibrating pad or flashing light are available for the hearing impaired. Contact your local fire department for information about obtaining a flashing or vibrating smoke alarm.
- Smoke alarms with a strobe light outside the home to catch the attention of neighbors, and emergency call systems for summoning help, are also available.

## **More Fire Safety Tips**

- Make digital copies of valuable documents and records like birth certificates.
- Sleep with your door closed.
- Contact your local fire department for information on training on the proper use and maintenance of fire extinguishers.
- Consider installing an automatic fire sprinkler system in your residence.

## **During a Fire**

- Crawl low under any smoke to your exit - heavy smoke and poisonous gases collect first along the ceiling.
- Before opening a door, feel the doorknob and door. If either is hot, or if there is smoke coming around the door, leave the door closed and use your second way out.
- If you open a door, open it slowly. Be ready to shut it quickly if heavy smoke or fire is present.
- If you can't get to someone needing assistance, leave the home and call 9-1-1 or the fire department. Tell the emergency operator where the person is located.
- If pets are trapped inside your home, tell firefighters right away.
- If you can't get out, close the door and cover vents and cracks around doors with cloth or tape to keep smoke out. Call 9-1-1 or your fire department. Say where you are and signal for help at the window with a light-colored cloth or a flashlight.
- If your clothes catch fire, stop, drop, and roll – stop immediately, drop to the ground, and cover your face with your hands. Roll over and over or back and forth until the fire is out. If you or someone else cannot stop, drop, and roll, smother the flames with a blanket or towel. Use cool water to treat the burn immediately for 3 to 5 minutes. Cover with a clean, dry cloth. Get medical help right away by calling 9-1-1 or the fire department.

## **Fire Escape Planning for Older Adults and People with Access or Functional Needs**

- Live near an exit. You'll be safest on the ground floor if you live in an apartment building. If you live in a multi-story home, arrange to sleep on the ground floor, and near an exit.
- If you use a walker or wheelchair, check all exits to be sure you get through the doorways.
- Make any necessary accommodations, such as providing exit ramps and widening doorways, to facilitate an emergency escape.
- Speak to your family members, building manager, or neighbors about your fire safety plan and practice it with them.
- Contact your local fire department's non-emergency line and explain your special needs. Ask emergency providers to keep your special needs information on file.
- Keep a phone near your bed and be ready to call 911 or your local emergency number if a fire occurs.

## **After a Fire**

The following checklist serves as a quick reference and guide for you to follow after a fire strikes.

- Contact your local disaster relief service, such as The Red Cross, if you need temporary housing, food and medicines.
- If you are insured, contact your insurance company for detailed instructions on protecting the property, conducting inventory and contacting fire damage restoration companies. If you are not insured, try contacting private organizations for aid and assistance.
- Check with the fire department to make sure your residence is safe to enter. Be watchful of any structural damage caused by the fire.
- The fire department should see that utilities are either safe to use or are disconnected before they leave the site. DO NOT attempt to reconnect utilities yourself.
- Conduct an inventory of damaged property and items. Do not throw away any damaged goods until after an inventory is made.
- Try to locate valuable documents and records. Refer to information on contacts and the replacement process inside this brochure.
- Begin saving receipts for any money you spend related to fire loss. The receipts may be needed later by the insurance company and for verifying losses claimed on income tax.
- Notify your mortgage company of the fire.

## **Prevent Home Fires**

Home fires are preventable! The following are simple steps that each of us can take to prevent a tragedy.

### **Cooking**

- Stay in the kitchen when you are frying, grilling, or broiling food. If you leave the kitchen for even a short period of time, turn off the stove.
- Wear short, close-fitting or tightly rolled sleeves when cooking.
- Keep children away from cooking areas by enforcing a "kid-free zone" of 3 feet around the stove.
- Position barbecue grills at least 10 feet away from siding and deck railings, and out from under eaves and overhanging branches.

### **Smoking**

- Smoke outside and completely stub out butts in an ashtray or a can filled with sand.
- Soak cigarette butts and ashes in water before throwing them away. Never toss hot cigarette butts or ashes in the trash can.
- Never smoke in a home where oxygen is used, even if it is turned off. Oxygen can be explosive and makes fire burn hotter and faster.
- Be alert - don't smoke in bed! If you are sleepy, have been drinking, or have taken medicine that makes you drowsy, put your cigarette out first.

### **Electrical and Appliance Safety**

- Frayed wires can cause fires. Replace all worn, old or damaged appliance cords immediately and do not run cords under rugs or furniture.
- If an appliance has a three-prong plug, use it only in a three-slot outlet. Never force it to fit into a two-slot outlet or extension cord.

- Immediately shut off, then professionally replace, light switches that are hot to the touch and lights that flicker.

### **Portable Space Heaters**

- Keep combustible objects at least three feet away from portable heating devices.
- Buy only heaters evaluated by a nationally recognized laboratory, such as Underwriters Laboratories (UL).
- Check to make the portable heater has a thermostat control mechanism, and will switch off automatically if the heater falls over.
- Only use crystal clear K-1 kerosene in kerosene heaters. Never overfill it. Use the heater in a well-ventilated room.

### **Fireplaces and Woodstoves**

- Inspect and clean woodstove pipes and chimneys annually and check monthly for damage or obstructions.
- Use a fireplace screen heavy enough to stop rolling logs and big enough to cover the entire opening of the fireplace to catch flying sparks.
- Make sure the fire is completely out before leaving the house or going to bed.

### **Children**

- Take the mystery out of fire play by teaching children that fire is a tool, not a toy.
- Store matches and lighters out of children's reach and sight, preferably in a locked cabinet.
- Never leave children unattended near operating stoves or burning candles, even for a short time.

### **More Prevention Tips**

- Never use stove range or oven to heat your home.
- Keep combustible and flammable liquids away from heat sources.
- Portable generators should NEVER be used indoors and should only be refueled outdoors or in well ventilated areas.

### **Associated Content**

- [U.S. Fire Administration \(USFA\) \(link\)](#)
- [American Red Cross \(link\)](#)
- [Sparky the Fire Dog \(link\)](#)