

# Top Ten Recreational Boating Safety Tips



According to the U.S. Coast Guard, there are close to 13 million registered recreational boats in the United States. With so many boaters enjoying the waterways, it is no surprise that nearly 5,000 boating accidents were reported in 2006<sup>(1)</sup>, with more than 3,400 people requiring medical treatment beyond first aid. Property damage reported in 2006 totaled more than \$38 million dollars.

Though the statistics are sobering, the risk of injuries and accidents can be minimized. A vast majority of reported accidents involve operator controllable factors, including operator error and poor or improper boat maintenance. ACE Recreational Marine Insurance<sup>®</sup> is pleased to offer a top ten list of tips to help recreational boaters stay safe and reduce the number of preventable accidents that occur each year.

There's no mystery to boating safety. Understanding and obeying navigational rules and safety procedures is proven to save lives while reducing injuries and property damage.

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**ace recreational  
marine insurance**

## ACE's Top Ten Recreational Boating Safety Tips

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**1. Always wear a life jacket and insist that your crew and guests do the same.** Approximately 70 percent of all fatal boating accident victims drowned in 2006.<sup>(1)</sup> Ninety percent of those who drowned were not wearing a personal flotation device (PFD) or life jacket. Always have an adequate supply of personal flotation devices aboard. Make sure that children are wearing appropriate life jackets that fit correctly. Drowning was the reported cause of death for approximately 55 percent of the children who perished in boating accidents in 2006. Overall, fatal accident data indicate approximately 423 lives could have been saved if boaters had worn their life jackets.
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**2. Never drink alcohol while boating.** In 2006, alcohol was either a direct or indirect contributing factor in 30 percent of all boating fatalities. Stay sharp on the water by leaving the alcohol on dry land.<sup>(1)</sup>
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**3. Install a carbon monoxide detector.** All internal combustion engines emit carbon monoxide (CO), an odorless, colorless, poisonous gas that can kill in minutes. Know the symptoms of carbon monoxide poisoning and avoid extended use of the transom area when engines are operating. Deaths from carbon monoxide poisoning have doubled since 2005, totaling twelve boating fatalities in 2006.<sup>(1)</sup>
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**4. Stay in control by taking charge of your safety and that of your passengers.** Boaters between the ages of 20 and 29 accounted for the highest rate of the total boating fatalities and injuries in 2006.<sup>(1)</sup> Don't forget that safety begins with you.
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**5. Understand and obey boating safety recommendations and navigational rules.** Imagine the mayhem that would result if car drivers disregarded highway traffic laws. Know and understand boating safety procedures and rules of navigation before taking to the water, and practice them without fail.
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**6. Operate at a safe speed and always maintain a careful lookout.** Overall, operator inattention, carelessness/reckless operation, operator inexperience and excess speed are significant contributing factors in virtually all reported accidents.<sup>(1)</sup> Know you and your boat's limitations. Take note of visibility, traffic density and the proximity of navigation hazards like shoals, rocks or floating objects. Don't invite a collision by going faster than is prudent.
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**7. Check the weather forecast.** A calm day can quickly turn ugly on the water. Stay on top of the forecast while boating and heed all weather and storm advisories. Check the condition of your life raft annually and before long distance off-shore cruising. Carry flares at all times.
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**8. File a float plan.** The U.S. Coast Guard recommends that you always tell a friend or family member where you plan to go and when you'll be back. Make it a habit before leaving on any boat trip. The proper officials can be notified promptly if you don't return when expected.
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**9. Have your vessel checked for safety – for free!** The U.S. Coast Guard Auxiliary offers Vessel Safety Checks at no cost. Coast Guard staffers will check your boat's equipment and provide information about its use, safety procedures and applicable regulations. Unsafe boats are a threat to all recreational boaters. Make sure your vessel is as safe as possible. Visit the U.S. Coast Guard web site at [www.uscgboating.org](http://www.uscgboating.org) for more information, or [www.vesselsafetycheck.org](http://www.vesselsafetycheck.org) to locate a Vessel Examiner near you.
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**10. Take a boating safety course.** More than 70 percent of all reported boating fatalities in 2006 occurred on boats where the operator had not completed a boating safety course.<sup>(1)</sup> You may even qualify for a reduced insurance rate if you complete a safety course. Contact your local Coast Guard Auxiliary, U.S. Power Squadron chapter<sup>(2)</sup> or visit [www.boater101.com](http://www.boater101.com) for more information on courses in your area.

(1) [http://www.uscgboating.org/statistics/Boating\\_Statistics\\_2006.pdf](http://www.uscgboating.org/statistics/Boating_Statistics_2006.pdf)  
 (2) United States Power Squadron. [www.usps.org](http://www.usps.org)

# Personal Flotation Devices



## Steadfast and True

For more than two centuries<sup>1</sup> ACE Recreational Marine Insurance has been the choice of conscientious boat owners nationwide.

We offer superior insurance coverage for all sizes of vessels — from ski boats to large luxury yachts.

- Pleasure Yachts 26 feet or larger
- Recreational Boats less than 26 feet
- Mega-Yachts and Luxury Sailboats
- Sport Fishing Boats
- High Performance Vessels
- Ski Boats
- Personal Watercraft
- Select Charter Vessels
- Many other programs available

**All Personal Flotation Devices (PFDs) aboard your vessel should be in good condition and have a Coast Guard Approval Number. Sizes must correspond to the needs of intended users. Wearable PFDs must be readily accessible so they can be put on quickly if an emergency arises. They should not be stowed in plastic bags, placed in locked or closed compartments or placed beneath other gear. PFDs designed to be thrown must also be readily available.**

Though not always required by law, prudence dictates that a PFD should be worn at all times when the vessel is underway. It cannot save your life if you are not wearing it. Many states now require that all children don an approved PFD and new regulations have been introduced that require all children to wear one even if the boat is tied to a dock. We recommend consulting with your local boating resources for specific laws and child age requirements.

Boats less than 16 feet in length (including canoes and kayaks) must be equipped with one Type I, II, III or V PFD for each person aboard. Boats 16 feet and longer must be equipped with one Type I, II, III or V PFD for each person aboard plus one Type IV.

Remember, PFDs can keep you from sinking, but not necessarily from drowning. Only a Type I PFD is designed to turn an unconscious person's face upward and out of the water. Take extra time when selecting a PFD to make certain it fits properly. For extra reassurance, test your PFD in shallow water or a guarded swimming pool.

### Types of PFDs

**Type I PFD**, also called an Off-shore life jacket, provides the most buoyancy. It is effective in all waters, especially open, rough or remote waters where rescue may be delayed. It is designed to turn most unconscious wearers in the water to a face-up position. The Type I comes in two sizes.\* The adult size provides at least 22 pounds of buoyancy; the child size, at least 11 pounds. It is the only type approved for most commercial uses, such as chartering.

**Type II PFD, or Near-shore buoyant vest**, is intended for calm, inland water or where there is a good chance of quick rescue. This type will turn some unconscious wearers to a face-up position in the water, but not as many as Type I under the same conditions. An adult-size device provides at least 15 1/2 pounds of buoyancy; a medium child size 11 pounds. Infant and small child sizes each provide at least seven pounds of buoyancy.

**Type III PFD, or Flotation Aid**, is also good for calm, inland water or where there is a good chance of quick rescue. It is designed so wearers can place themselves in a face-up position in the water, although they may have to tilt their heads back to avoid turning face-down. The Type III has the same minimum buoyancy as the Type II. It comes in many styles, colors and sizes and is generally the most comfortable type for continuous wear. Float coats, fishing vests and vests designed with features suitable for various water sport activities are examples of this type.

**Type IV PFD, or Throwable Device**, is designed to be thrown to a person in the water, and grasped and held by the user until rescued. It is not designed for use as a personal flotation device that can be worn with confidence. Type IV devices include buoyant cushions, ring buoys and horseshoe buoys. Ring buoys and horseshoe buoys should have a 60-foot length of 1/4-inch polypropylene (which floats) attached for emergency use.

**Type V PFD, or Special Use Device**, is intended for specific activities and may be carried instead of another PFD only if used according to the approved condition designated on the label. Some Type V devices provide significant hypothermia protection. Varieties include deck suits, work vests, board sailing vests and hybrid PFDs. Type V PFDs have use restrictions marked on them that must be observed. If a Type V PFD is to be counted toward minimum carriage requirements, it must be worn.

**Type V Hybrid Inflatable PFD** is the least bulky of all PFD types. It contains a small amount of inherent buoyancy and an inflatable chamber. Its performance is equal to Type I, II or III PFDs (as noted on the PFD label) when inflated. To be acceptable, hybrid PFDs must be worn when underway.

\* When purchasing or using a PFD, you should consult your local safe boating resources and consider that larger children may not fit properly in a child's PFD, and smaller adults may not be large enough to be properly protected with an adult PFD. Be sure to check the "user weight" on the PFD label. Professional advice will help you select the safest PFD for each individual.

### Water Skiing and PFDs

Water skiers are considered "on board" the vessel even when being pulled behind it and a PFD is needed for the purposes of compliance with PFD carriage requirements. Skiers are advised to wear a PFD designed to withstand the impact of hitting the water at high speed. Note that the "impact class" marking on the label refers to PFD strength, not personal protection. Some state laws require skiers to wear a PFD.

<sup>1</sup> ACE Recreational Marine Insurance and its predecessor company have been continuously providing marine insurance coverage since 1792.

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