

2020 RECREATIONAL BOATING STATISTICS

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U.S. DEPARTMENT OF HOMELAND SECURITY
U.S. COAST GUARD
OFFICE OF AUXILIARY AND BOATING SAFETY





Commandant
United States Coast Guard

2703 Martin Luther King Jr Ave SE
Washington, DC 20593-7501
Staff Symbol: CG-BSX-21
Phone: (202) 372-1062
Email: Susan.M.Weber@uscg.mil

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FOREWORD

Under the authority of Title 46, United States Code, the Inspections & Compliance Directorate has been delegated the responsibility to collect, analyze, and annually publish statistical information obtained from recreational boat numbering and casualty reporting systems. Within the Directorate, the Office of Auxiliary and Boating Safety, Boating Safety Division has National Recreational Boating Safety Program responsibility.

Recreational Boating Statistics 2020, the 62nd annual report, contains statistics on recreational boating accidents and state vessel registration. This publication is a result of the coordinated effort of the Coast Guard and those states and territories that have Federally-approved boat numbering and casualty reporting systems. These include all states, the District of Columbia, Puerto Rico, Guam, the Virgin Islands, American Samoa, and the Commonwealth of the Northern Mariana Islands.

Recreational Boating Statistics 2020 may be copied and distributed freely in the interest of boating safety. For questions and suggestions regarding content, use the address, telephone number, or email address at the top of this page. For an electronic copy, visit the Boating Safety Division website at www.uscgboating.org.

WAYNE R. ARGUIN / s /
Captain, U.S. Coast Guard
Director of Inspections & Compliance

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NON-STANDARD DISTRIBUTION:

Record of Changes

Change number	Page number	Date changed	Description of changes
CH-1	61	8/12/2021	The number of motorized deaths and the motorized vessel fatality rate had been erroneously calculated. These data points and the accompanying graph were updated to reflect accurate information.
CH-2	78	2/12/2025	Redaction per EO Defending Women

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2020 EXECUTIVE SUMMARY

- In calendar year 2020, the Coast Guard counted 5,265 accidents that involved 767 deaths, 3,191 injuries and approximately \$62.5 million dollars of damage to property as a result of recreational boating accidents.
 - There is evidence that boating activity rose significantly during the pandemic, from reports of increased boat sales, insurance policies taken out, insurance claims, and calls for towing assistance. The Coast Guard is analyzing variables associated with boating activity to normalize accident data.
 - Numerous states cited difficulties registering boats due to office closures during the pandemic. The Coast Guard did not perform any statistical adjustments to state figures.
 - The fatality rate was 6.5 deaths per 100,000 registered recreational vessels. This rate represents a 25% increase from the 2019 fatality rate of 5.2 deaths per 100,000 registered recreational vessels.
 - Compared to 2019, the number of accidents increased 26.3%, the number of deaths increased 25.1%, and the number of injuries increased 24.7%.
- Where cause of death was known, 75% of fatal boating accident victims drowned. Of those drowning victims with reported life jacket usage, 86% were not wearing a life jacket.
- Where length was known, eight out of every ten boaters who drowned were using vessels less than 21 feet in length.
- Alcohol use is the leading known contributing factor in fatal boating accidents; where the primary cause was known, it was listed as the leading factor in 18% of deaths.
- Where instruction was known, 77% of deaths occurred on boats where the operator did not receive boating safety instruction. Only 12% percent of deaths occurred on vessels where the operator was known to have received a nationally-approved boating safety education certificate.
- There were 247 accidents in which at least one person was struck by a propeller. Collectively, these accidents resulted in 39 deaths and 241 injuries.
- Operator inattention, operator inexperience, improper lookout, excessive speed, and machinery failure rank as the top five primary contributing factors in accidents.
- Where data was known, the most common vessel types involved in reported accidents were open motorboats (46%), personal watercraft (22%), and cabin motorboats (13%).
- Where data was known, the vessel types with the highest percentage of deaths were open motorboats (50%), kayaks (15%), and pontoons (9%).
- The 11,838,188 recreational vessels registered by the states in 2020 represent a 0.34% decrease from last year when 11,878,542 recreational vessels were registered.

Table 1 • 2020 EXECUTIVE SUMMARY						
TOP FIVE PRIMARY ACCIDENT TYPES						
Accident Rank	Accident Type	Number of Accidents		Number of Deaths	Number of Injuries	
1	Collision with recreational vessel	1379		66	831	
2	Flooding/swamping	589		84	128	
3	Collision with fixed object	542		62	389	
4	Grounding	484		14	255	
5	Falls overboard	335		181	161	
VESSEL TYPES WITH THE TOP CASUALTY NUMBERS						
Casualty Rank	Type of Boat	Drownings	Other Deaths	Total Deaths	Total Injuries	Total Casualties
1	Open motorboat	260	116	376	1520	1896
2	Personal watercraft	19	47	66	896	962
3	Cabin motorboat	16	17	33	298	331
4	Pontoon	53	14	67	232	299
5	Canoe/kayak	131	23	154	117	271
LIFE JACKET WEAR BY TOP FIVE KNOWN CAUSES OF DEATH						
Known Cause of Death Rank	Cause of Death	Number of Deaths	Life Jacket			
			Worn	Not Worn	Unknown if worn	
1	Drowning	534	74	450	10	
2	Trauma	152	57	88	7	
3	Cardiac arrest	11	4	6	1	
4	Hypothermia	6	5	1	0	
5	Carbon monoxide poisoning	3	0	3	0	
TOP TEN KNOWN PRIMARY CONTRIBUTING FACTORS OF ACCIDENTS						
Accident Rank	Contributing Factor	Number of Accidents		Number of Deaths	Number of Injuries	
1	Operator inattention	664		55	383	
2	Operator inexperience	612		56	343	
3	Improper lookout	578		28	409	
4	Excessive speed	418		32	345	
5	Machinery failure	373		19	151	
6	Navigation rules violation	316		26	220	
7	Alcohol use	296		115	260	
8	Weather	244		42	81	
9	Hazardous waters	232		62	95	
10	Force of wave/wake	215		14	182	

Mission and Strategic Plan of the National Recreational Boating Safety Program

The mission of the National Recreational Boating Safety (RBS) Program is “to ensure the public has a safe, secure, and enjoyable recreational boating experience by implementing programs that minimize the loss of life, personal injury, and property damage while cooperating with environmental and national security efforts.”

The Coast Guard has released the Strategic Plan of the National Recreational Boating Safety Program for 2017-2021 to address the following initiatives: 1) Improve and expand recreational boating education, training, and outreach; 2) Update, leverage, and enforce policies, regulations, and standards; and 3) Improve upon and expand recreational boating data collection and research. To view the Strategic Plan of the Program, please visit the Division’s website at <http://www.uscgboating.org/content/strategic-plan.php>.

Overview of Statistics

This report contains statistics on registered recreational vessels and boating accidents during calendar year 2020. Data used to compile the recreational boating accident statistics come from four main sources: State marine agencies; Federal agencies, including the Coast Guard, National Park Service, Army Corps of Engineers, and Forest Service; the public, on a CG-3865 Recreational Boating Accident Report (BAR) form; and the news media. The Coast Guard collects data from multiple sources in an attempt to document all incidents that meet reporting requirements.

The data in this publication reflects a collaboration of state and Coast Guard efforts. After reports are submitted, the Coast Guard reviews them and standardizes the data so that it can be used for national comparison. The data in this publication reflects Coast Guard standardized values, which may be different from the state’s original submission.

The following table reflects the number of accidents, deaths, injuries, and losses of vessels that were captured from federal and news media sources that met reporting requirements and are included in this report.

Table 2 ▪ NEWS MEDIA AND FEDERALLY-SOURCED ACCIDENTS AND CASUALTIES						
	Accidents	Deaths	Injuries	Vessel losses	Damages	Notes
AL	1	8	9	35	\$489,300.00	1 accident the Coast Guard investigated
AT	7	0	2	5	\$178,085.00	7 accidents offshore in the Atlantic Ocean
FL	12	0	8	6	\$320,200.00	
GA	5	2	7	0	\$134,000.00	
GM	5	1	0	4	\$223,775.00	5 accidents offshore in the Gulf of Mexico
MA	1	0	0	0	\$17,475.00	
MI	1	1	0	0	\$0.00	
NC	4	4	2	0	\$20,000.00	1 accident on private waters; 2 accidents the Coast Guard investigated
OR	1	0	2	1	\$0.00	
PC	4	1	0	4	\$618,435.00	4 accidents offshore in the Pacific Ocean
SC	1	0	0	1	\$130,175.00	
TX	2	3	0	0	\$0.00	2 accidents on private waters
Nation	44	20	30	56	\$2,131,445.00	

Major Changes to the Publication

As a result of changes in 33 CFR 174.19 that took effect 1 January 2017, a new term “paddlecraft” was introduced and defined as “a vessel powered only by its occupants, using a single or double bladed paddle as a lever without the aid of a fulcrum provided by oarlocks, thole pins, crutches, or similar arrangements”. As such, the definition limits the use of the term “paddlecraft” to non-motorized vessels. Consequently, any canoe or kayak with a motor has been classified as an “open motorboat” for accident reporting and registration purposes. Though the term “paddlecraft” exists in regulation, for the purposes of this publication, the subcategories of canoe, kayak, and standup paddleboard have been retained; these represent non-motorized vessels, and data can be combined to represent paddlecraft.

Table 10 has been amended to provide a breakdown of the victim’s role (operator, occupant, other/unknown). Examples of “other” include tuber, wakeboarder, water skier, kneeboarder, bystander, and swimmer.

Table 4a has been added to provide detail related to Figure 2. Figures 9a and 9b have been added to provide a graphical depiction of information in Tables 26 and 27. Figures 12 and 16 have been color-coded.

The glossary has been updated to reflect new definitions in the Code of Federal Regulations (CFR).

Table 37 has been rearranged due to a change in data collection. On 1 January 2017, changes in regulation (33 CFR 174.19) necessitated revision to the Coast Guard’s data collection on registration, which took place in early 2017. Due to delays in transitioning to a new form, the Coast Guard accepted registration data on the previous registration collection form used and the proposed form. Since the forms did not cover the same information, the publication table was amended.

Four of the statistics in the Executive Summary were changed to remove the records where values were unknown. To find information on the number of “unknown” cases excluded, please reference Tables 35 (on page 66), 22 (on page 46), 5 (on page 20), and 7 (on page 25).

Accident Reporting as Required by Federal Law

Under federal regulations (33 CFR Part 173; Subpart C – Casualty and Accident Reporting) the operator of any numbered vessel that was not required to be inspected or a vessel that was operated for recreational purposes is required to file a BAR when, as a result of an occurrence that involves the vessel or its equipment:

1. A person dies; or
2. A person disappears from the vessel under circumstances that indicate death or injury; or
3. A person is injured and requires medical treatment beyond first aid; or
4. Damage to vessels and other property totals \$2,000 or more; or
5. There is a complete loss of any vessel.

If the above conditions are met, the federal regulations state that the operator or owner must report their accident to a state reporting authority, abbreviated in this publication as “state.” The reporting authority can be either the state where the accident occurred, the state in which the vessel was numbered, or, if the vessel does not have a number, the state where the vessel was principally used. The owner must submit the report if the operator is deceased or unable to make the report.

The regulations also state the acceptable length of time in which the accident report must be submitted to the reporting authority. Boat operators or owners must submit:

1. Accident reports within 48 hours of an occurrence if:
 - a. A person dies within 24 hours of the occurrence; or
 - b. A person requires medical treatment beyond first aid; or
 - c. A person disappears from the vessel.
2. Accident reports within 10 days of an occurrence if there is damage to the vessel/property only.

The minimum reporting requirements are set by Federal regulation, but states are allowed to have more stringent requirements. For example, some states have a lower threshold for reporting damage to

vessels and other property.

Federal Regulations (33 CFR 174.121) require accident report data to be forwarded to Coast Guard Headquarters within 30 days of receipt by a state or its agent.

The statistics in this publication cover boating accidents reported on waters of joint federal and state jurisdiction and exclusive state jurisdiction. Most states use BAR forms that are similar to the Coast Guard form. A copy of the Coast Guard BAR form used for this report is on pages 73-78.

Casualty and Accident Reporting Guidelines

Casualty and accident reporting applies to each “vessel” used by its operator for recreational purposes or vessels that are required to be numbered and are not subject to inspection.

This publication reflects watercraft that have been deemed a “vessel.” Terms used to describe the various types of watercraft are: airboat, auxiliary sailboat, cabin motorboat, canoe, houseboat, inflatable boat, kayak, open motorboat, personal watercraft, pontoon, raft, rowboat, sailboat, and standup paddleboard. Reports received involving watercraft that have not been determined to be “vessels” to date, such as single unmodified innertubes, have not been included in the statistics in the main body of this report.

“Reportable” Boating Accidents

A vessel is considered to be involved in a “boating accident” whenever a death, missing person, personal injury, property damage, or total vessel loss results from the vessel's operation, construction, seaworthiness, equipment, or machinery.

The following are examples of accident types that are used in this report:

- Grounding, capsizing, sinking, or flooding/swamping.
- Falls in or overboard a vessel.
- Persons ejected from a vessel.
- Fire or explosions that occur while underway and while anchored, moored or docked if the fire resulted from the vessel or vessel equipment.
- Water-skiing or other mishap involving a towable device.
- Collision with another vessel or object.
- Striking a submerged object.
- A person struck by a vessel, propeller, propulsion unit, or steering machinery.
- Carbon monoxide exposure.
- Electrocutation due to stray current related to a vessel.
- Casualties while swimming from a vessel that is not anchored, moored or docked.
- Casualties where natural causes served as a contributing factor in the death of an individual but the determined cause of death was drowning.
- Casualties from natural phenomena such as interaction with marine life (i.e. carp causes casualty to person) and interaction with nature (i.e. mountain side falls onto vessel causing casualties).
- Casualties where a person falls off an anchored vessel.
- Casualties that result when a person departs an anchored, disabled vessel to make repairs, such as unfouling an anchor or cleaning out the intake of a jet-propelled vessel.

“Non-Reportable” Boating Accidents

Not every occurrence involving a vessel is considered within the scope of the National Recreational Boating Safety Program. The following occurrences involving a vessel may be required to be reported to the state, but for statistical purposes are excluded from this report and are considered “non-reportable” boating accidents:

- A person dies, is injured, or is missing as a result of self-inflicted wounds, alcohol poisoning, gunshot wounds, or the ingestion of drugs, controlled substances or poison.
- A person dies, is injured, or is missing as a result of assault by another person or persons while aboard a vessel.
- A person dies or is injured from natural causes while aboard a vessel where the vessel did not

- contribute to the casualty.
- A person dies, is injured, or is missing as a result of jumping, diving, or swimming for pleasure from an anchored, moored or docked vessel.
 - A person dies, is injured, or is missing as a result of swimming to retrieve an object or a vessel that is adrift from its mooring or dock, having departed from a place of inherent safety, such as the shore or pier.
 - Property damage occurs or a person dies, is injured, or is missing while preparing a vessel for launching or retrieving and the vessel is not on the water and capable / ready for its intended use.
 - Property damage occurs or a person dies, is injured, or is missing as a result of a fire on shore or a pier that spreads to a vessel or vessels.
 - Property damage occurs to a docked or moored vessel or a person dies, is injured, or is missing from such a vessel as a result of storms, or unusual tidal or sea conditions; or when a vessel gets underway in those conditions in an attempt to rescue persons or vessels.
 - Property damage occurs to a docked or moored vessel due to lack of maintenance on the vessel or the structure to which it was moored.
 - Property damage occurs to a docked or moored vessel due to theft or vandalism.
 - Property damage occurs to, a person dies or is injured on, or a person is missing from a non-propelled residential platform or other watercraft used primarily as a residence that is not underway.
 - Casualties that result from falls from or on docked vessels or vessels that are moored to a permanent structure.
 - Casualties that result from a person climbing aboard an anchored vessel from the water or swimming near an anchored vessel (unless the casualty was related to carbon monoxide exposure or stray electric current).
 - Fire or explosions on anchored, docked or moored boats where the cause of the fire was not attributed to the vessel or vessel equipment.
 - Casualty or damage that results when the vehicle used for trailering the vessel fails.
 - Casualties or damage that occur during accidents that only involve watercraft that have not been deemed a vessel.
 - Casualties or damage that occur when the only vessel(s) involved are being used solely for governmental, commercial or criminal activity.
 - Casualties or damage that occur when the only vessel(s) involved are not required to be numbered and are being used exclusively for racing (exclusion in 33 CFR 173.13(a)).
 - Casualties or damage that occur when the only vessel(s) involved are foreign vessels and thus not subject to U.S. federal reporting requirements.

A list of “non-reportable” scenarios and their associated casualty counts can be found in Table 3.

Table 3 - NON-REPORTABLE SCENARIOS WITH THEIR CASUALTY COUNT					
	Accidents	Deaths	Injuries	Vessels Losses	Damages
Does not meet Coast Guard policy					
A person dies or is injured from natural causes while aboard a vessel where the vessel did not contribute to the casualty.	6	2	4	0	\$12,000.00
A person dies, is injured, or is missing as a result of assault by another person or persons while aboard a vessel.	1	0	5	0	\$0.00
A person dies, is injured, or is missing as a result of jumping, diving, or swimming for pleasure from an anchored, moored or docked vessel.	15	11	4	0	\$0.00
A person dies, is injured, or is missing as a result of self-inflicted wounds, alcohol poisoning, gunshot wounds, or the ingestion of drugs, controlled substances or poison.	3	2	2	0	\$0.00
A person dies, is injured, or is missing as a result of swimming to retrieve an object or a vessel that is adrift from its mooring or dock, having departed from a place of inherent safety, such as the shore or pier.	8	6	2	0	\$0.00
Casualties or damage that occur during accidents that only involve watercraft that have not been deemed a vessel.	2	2	1	0	\$50.00
Casualties or damage that occur when the only vessel(s) involved are being used solely for governmental, commercial or criminal activity.	106	17	67	9	\$2,003,788.68
Casualties or damage that occur when the only vessel(s) involved are foreign vessels and thus not subject to U.S. federal reporting requirements.	1	0	0	0	\$0.00
Casualties or damage that occur when the only vessel(s) involved are not required to be numbered and are being used exclusively for racing.	1	1	0	1	\$0.00
Casualties that result from a person climbing aboard an anchored vessel from the water or swimming near an anchored vessel (unless the casualty was related to carbon monoxide exposure or stray electric current).	4	0	4	0	\$0.00
Casualties that result from falls from or on docked vessels or vessels that are moored to a permanent structure.	7	3	5	0	\$0.00
Fire or explosions on anchored, docked or moored boats where the cause of the fire was not attributed to the vessel or vessel equipment.	2	0	0	0	\$43,500.00
Property damage occurs or a person dies, is injured, or is missing while preparing a vessel for launching or retrieving and the vessel is not on the water and capable/ready for its intended use.	8	1	3	7	\$488,500.00
Property damage occurs to a docked or moored vessel due to lack of maintenance on the vessel or the structure to which it was moored.	21	0	0	3	\$241,000.00
Property damage occurs to a docked or moored vessel due to theft or vandalism.	4	0	0	2	\$37,100.00
Property damage occurs to a docked or moored vessel or a person dies, is injured, or is missing from such a vessel as a result of storms, or unusual tidal or sea conditions; or when a vessel gets underway in those conditions in an attempt to rescue persons.	28	0	1	6	\$176,300.00
Property damage occurs to, a person dies or is injured on, or a person is missing from a non-propelled residential platform or other watercraft used primarily as a residence that is not underway.	4	1	2	0	\$85,200.00
Does not meet federal reporting requirements	536	0	73	0	\$399,313.36
Total	757	46	173	28	\$3,486,752.04

Use of Statistics

The following are notes on using data on recreational boating accidents.

1) Normalizing data.

When analyzing recreational boating accident data, it is recommended that any researcher normalize it with a denominator.

The Coast Guard frequently uses recreational vessel registration as a denominator because of the availability of the data. The Coast Guard calculates a fatality rate expressed as the number of deaths per 100,000 registered recreational vessels. This measure is representative of the entire program (motorized and non-motorized activity) but necessitates a caveat that not all states register the same types of vessels (many do not register non-motorized vessels, which are represented in fatal accident data) and some states have longer boating seasons than others. Further, when examining a state fatality rate, it is important to note that the state fatality rate may include deaths from vessels that were registered by another state.

The Coast Guard also calculates a motorized fatality rate expressed as the number of deaths on motorized vessels per 100,000 registered motorized recreational vessels. While this measure is sound, it doesn't reflect all of recreational boating because it does not represent non-motorized activity.

It is worthwhile to note that the Coast Guard is pursuing a denominator on exposure, which would reflect the level of boating activity. The proposed measure would be a fatality rate expressed as the number of deaths per 100,000,000 exposure hours. The Coast Guard most recently published exposure data from a 2018 survey. The two resulting reports can be found on the Coast Guard's website at <https://uscgboating.org/statistics/national-recreational-boating-safety-survey.php>

The number of deaths and fatality rate rose significantly in 2020 from the prior year. Anecdotally, the agency has received notice of numerous indicators of increased boating activity, including increased boat sales, calls for towing assistance, new insurance policies taken out, insurance claims issued, and number of people on the water.

2) Limitations on collection.

It is recommended that any researcher focus on fatal data since the confidence of this data is very high. The Coast Guard works with state marine agencies, other federal agencies, and news media aggregating services to identify boating incidents. Despite best efforts to document incidents, the Coast Guard is only confident in its capture of deceased victims since fatal accidents undoubtedly involve state or government oversight, and garner more attention in the news media.

Data on non-fatal accidents have a much lower confidence level. Non-fatal accidents are severely under-reported because boaters are unaware of reporting requirements or are unwilling to report. A 2006 study, "Recent Research on Recreational Boating Accidents and the Contribution of Boating Under the Influence," suggest that 20% of hospital-admitted injuries were not captured, and upwards of 93% of non-fatal, non-hospital admitted injuries were not captured in the data collection on boating accidents. The study is posted on the Coast Guard's website at http://www.uscgboating.org/library/bui-study/BUI_Study_Final.pdf.

There has been discussion about adjusting numbers to account for non-reporting, but results have not been published yet. The Coast Guard is studying alternate data sources including insurance claims to better gauge the gap between reported and unreported accidents.

In 2020, numerous states cited difficulties registering boats due to office closures during the pandemic. In particular, West Virginia demonstrated a nearly 45% decrease in recreational registration. The Coast Guard did not perform any statistical adjustments to state figures.

3) Comparisons with other sources.

The data in this publication may differ from other sources due to a number of factors, including:

- a. Time period. The statistics in this publication are based on calendar year 2020 accident data submitted by states as of 5 April 2021 with subsequent updates as information is reviewed and standardized. This publication covers only accidents meeting the aforementioned reporting requirements.
- b. Geographic location. This publication reflects accidents that occurred on waters subject to the jurisdiction of the United States and on the high seas.

Although the reporting of accidents that occur on private waters (such as a pond on a private property) are not required to be reported since states do not have jurisdiction, the Coast Guard includes data on private waters if the accidents satisfy the other requirements for inclusion. The rationale for doing so is that the National Recreational Boating Safety program could still impact individuals who boat on private waters. For those accidents that occur on private waters, the Coast Guard attributes the data to a state. For instance, if an accident occurred on a private pond in Texas, the Coast Guard attributes the accident to Texas.

Similarly, although the reporting of accidents that occur on federal waters within the boundaries of a state (for instance, Aberdeen Proving Grounds in Maryland), are not required to be reported by the states since state officials do not have jurisdiction, the Coast Guard includes data on federal waters if the accidents satisfy the other requirements for inclusion. The rationale for doing so is the same; the National Recreational Boating Safety program could still impact individuals who boat on federal waters. For those accidents that occur on federal waters, the Coast Guard attributes the data to a state. For instance, if an accident occurred on Aberdeen Proving Grounds, the Coast Guard attributes the accident to Maryland.

- c. Different reporting requirements. Some states have more stringent reporting requirements than the federal government. For instance, some states may require a person to report an accident that involved at least \$500 damage, whereas the federal threshold for reporting damage is \$2,000 or more.

4) Fatal accidents are accidents that involve at least one death.

For example, a fatal accident could be a capsizing that resulted in three deaths. It was an accident that had at least one death.

5) Disappearances.

Victims who have disappeared and are presumed dead are represented in the tallies of deaths.

ACCIDENT CAUSES & CONDITIONS

Explanation of Accident Causes and Conditions Section

The following eighteen tables and figures focus on the causes of accidents with a special focus on alcohol use, the operation and activity at the time of accident, weather and water conditions, vessel information, and the time of accidents.

Percent of Accidents that are Fatal by Month (Figure 1 & Table 4, Page 18)

This table provides information about total accidents, fatal accidents, non-fatal accidents, and deaths. The figure focuses on the percent of fatal accidents by month.

Percent of Accidents that are Fatal by Time Period (Figure 2 & Table 4a, Page 19)

This table and figure reflect the percent of accidents that are fatal by time period. The category in which accidents are more frequently fatal span the hours between 12:00am and 2:30am.

Primary Contributing Factor of Accidents & Casualties (Table 5, Page 20)

The "contributing factors" of an accident are the causes of the accident. In the Coast Guard's national accident reporting database, there are allowances for up to four causes. This table reflects the first cause listed for all accidents, deaths, and injuries nationwide.

For the purposes of displaying information in a simplified manner, the Coast Guard divided the contributing factor categories into five larger categories: operation of vessel, loading of passengers or gear, failure of vessel or vessel equipment, environment, and miscellaneous. These five categories are situated in the leftmost column of the table and have the total number of accidents, deaths, and injuries associated with each category under the category name.

Machinery & Equipment Primary Contributing Factor of Accidents & Casualties (Table 6, Page 21)

This table reflects the number of accidents, deaths, and injuries where machinery or equipment failure was listed as a first cause of the accident. The table also delineates the different types of failure that were listed.

Primary Contributing Factor of Accidents (Figure 3, Page 22)

This figure reflects the first cause of accidents for all accidents nationwide.

Primary Contributing Factor of Deaths (Figure 4, Page 23)

This figure reflects the first cause listed for all deaths.

Primary Contributing Factor of Injuries (Figure 5, Page 24)

This figure reflects the first cause listed for all injuries.

Number of Vessels in Accidents by Vessel Type & Primary Contributing Factor (Table 7, Page 25)

This table looks at the number of vessels involved in accidents by vessel type and the primary cause of the accident.

Alcohol Use as a Contributing Factor in Accidents & Casualties by State 2016-2020 (Table 8, Page 26)

This table reflects a tally of all four causes of accidents listed for all national accidents, deaths, and injuries.

This table lists accidents where alcohol use by the vessel's occupants was listed as a direct or indirect cause of the accident. There are other cases in the national database where alcohol use is listed as being involved in the accident but it was not determined to be a cause of the accident.

Vessel Operation at the Time of Accident (Table 9, Page 27)

This table focuses on the vessel operation at the time of the accident. The table lists information about the number of vessels involved, the resulting number of deaths, and the resulting number of injuries.

Vessel Activity at the Time of Accident (Table 10, Page 27)

This table examines the vessel and victim activity at the time of the accident. The table provides information about the number of vessels involved, the resulting number of deaths, and the resulting number of injuries.

Please note that vessels used for commercial or government activity were included in this recreational boating statistics publication if they were involved in a multi-vessel accident that involved at least one recreational vessel.

Also note that racing was included as an activity because either the vessels involved in racing were not exempted from reporting requirements, or the vessels were involved in a multi-vessel accident that involved at least one recreational vessel.

Weather & Water Conditions (Table 11, Page 28)

This table documents some of the environmental characteristics of accidents. It focuses on accidents, deaths, and injuries by type of body of water, water conditions, wind level, visibility, and water temperature.

Time Related Data (Table 12, Page 29)

These three sections independently examine time-related information for accidents, deaths, and injuries. The top section documents the number of accidents, deaths, and injuries that occurred during a time frame. The middle section documents the number of accidents, deaths, and injuries that occurred during a given month. Finally, the bottom section documents the number of accidents, deaths, and injuries that occurred during a given day of the week.

Each section examines the national data separately and should not be combined to draw conclusions. For instance, one cannot use them to deduce that the majority of accidents occur from 2:31 pm-4:30 pm in July on the weekends. However, you could deduce that 2:31 pm-4:30 pm was the time frame during which the highest number of accidents occurred in calendar year 2020. Furthermore, the month with the highest number of accidents was July. Finally, the two days of the week with the greatest number of accidents were Saturday and Sunday.

Vessel Information (Table 13, Page 30)

This table documents some of the characteristics of vessels involved in accidents. It provides information about the number of accidents, deaths, and injuries by horsepower, year built, length, and hull material.

Rental Status of Vessels Involved in Accidents (Table 14, Page 31)

This table examines whether a vessel involved in an accident was rented. It also provides information on whether deaths and injuries occurred on rented vessels. Please note that some states only document if a vessel was rented; they do not indicate whether a vessel was “not rented”. As a result, the rental status of many vessels is “unknown”.

Number & Percent of Deaths by Vessel Length (Figure 6 & Table 15, Page 32)

This table focuses on the number of deaths by vessel length. Deaths are categorized into drownings and non-drownings. The table also provides a percentage of all deaths that were caused by drowning.

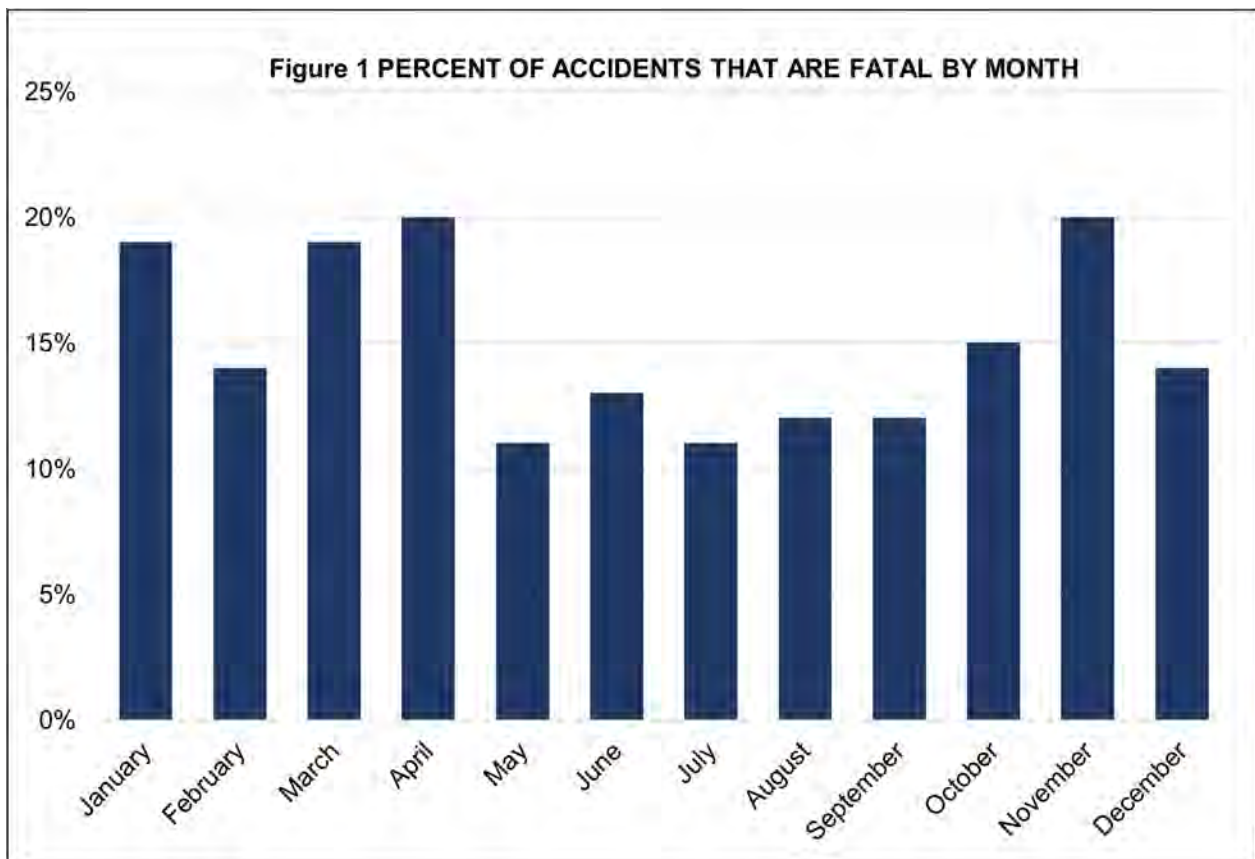


Table 4 • PERCENT OF ACCIDENTS THAT ARE FATAL BY MONTH					
Month	Fatal Accidents	Non-Fatal Accidents	Total Accidents	Accidents Resulting in Deaths	Total Deaths
January	20	83	103	19%	28
February	12	74	86	14%	16
March	35	146	181	19%	39
April	46	179	225	20%	51
May	83	639	722	11%	88
June	118	803	921	13%	126
July	126	989	1115	11%	137
August	112	808	920	12%	123
September	60	442	502	12%	64
October	37	205	242	15%	46
November	30	122	152	20%	33
December	13	83	96	14%	16
Total	692	4573	5265	13%	767

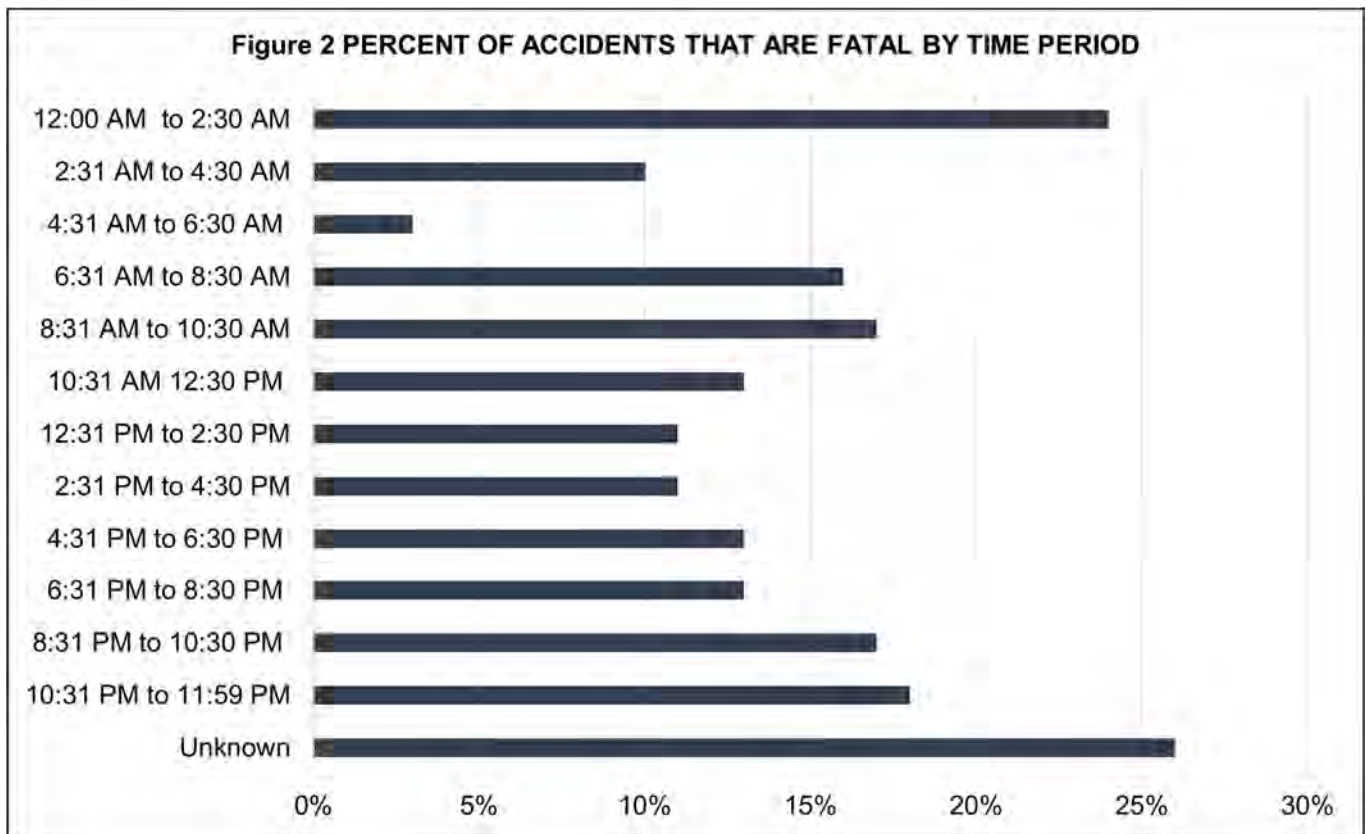
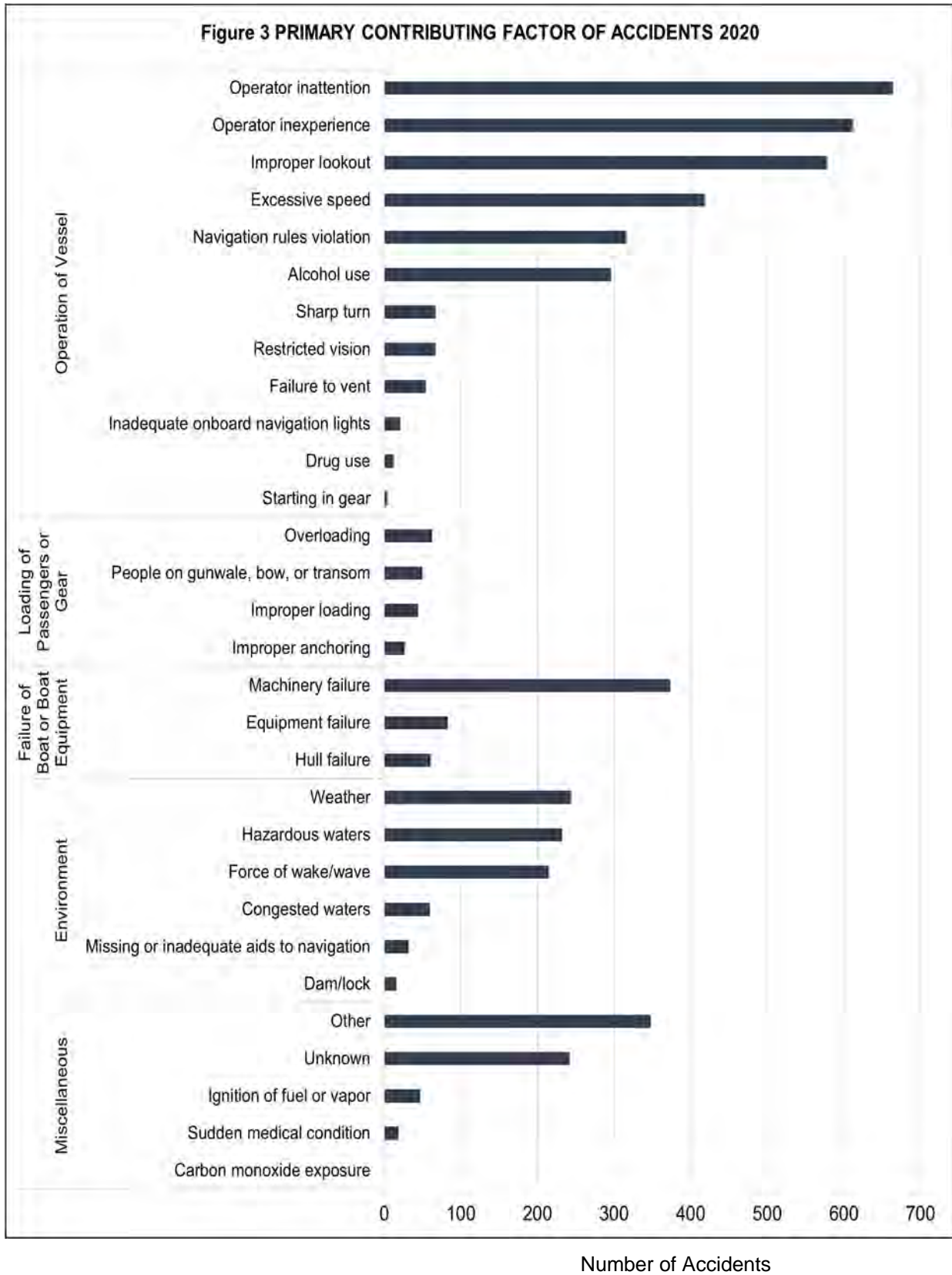
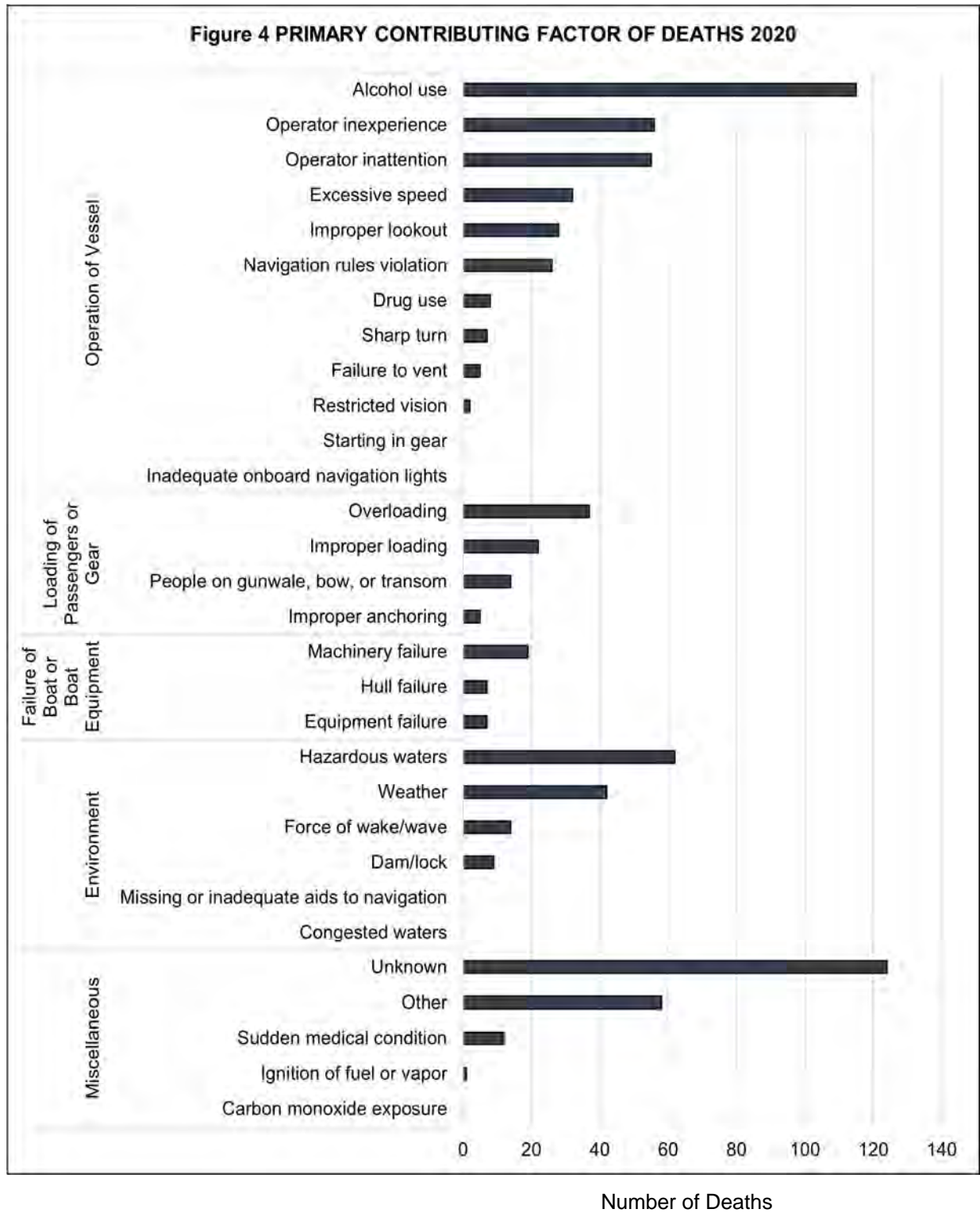


Table 4a • PERCENT OF ACCIDENTS THAT ARE FATAL BY TIME PERIOD					
Time period	Fatal Accidents	Non-Fatal Accidents	Total Accidents	Accidents Resulting in Deaths	Total Deaths
12:00 AM to 2:30 AM	25	78	103	24%	34
2:31 AM to 4:30 AM	5	46	51	10%	6
4:31 AM to 6:30 AM	1	39	40	3%	1
6:31 AM to 8:30 AM	23	125	148	16%	27
8:31 AM to 10:30 AM	48	227	275	17%	51
10:31 AM 12:30 PM	75	490	565	13%	82
12:31 PM to 2:30 PM	89	743	832	11%	95
2:31 PM to 4:30 PM	121	965	1086	11%	124
4:31 PM to 6:30 PM	139	919	1058	13%	151
6:31 PM to 8:30 PM	82	568	650	13%	94
8:31 PM to 10:30 PM	50	248	298	17%	56
10:31 PM to 11:59 PM	16	73	89	18%	19
Unknown	18	52	70	26%	27
All time periods	692	4573	5265	13%	767

Table 5 • PRIMARY CONTRIBUTING FACTOR OF ACCIDENTS & CASUALTIES 2020				
		Accidents	Deaths	Injuries
Operation of Vessel 3109 Accidents 334 Deaths 2182 Injuries	Alcohol use	296	115	260
	Drug use	12	8	2
	Excessive speed	418	32	345
	Failure to vent	54	5	89
	Improper lookout	578	28	409
	Inadequate onboard navigation lights	21	0	16
	Navigation rules violation	316	26	220
	Operator inattention	664	55	383
	Operator inexperience	612	56	343
	Restricted vision	67	2	47
	Sharp turn	67	7	66
	Starting in gear	4	0	2
	Loading of Passengers or Gear 184 Accidents 78 Deaths 85 Injuries	Improper anchoring	27	5
Improper loading		44	22	18
Overloading		63	37	25
People on gunwale, bow or transom		50	14	38
Failure of Boat or Boat Equipment 517 Accidents 33 Deaths 184 Injuries	Equipment failure	83	7	22
	Hull failure	61	7	11
	Machinery failure	373	19	151
Environment 799 Accidents 127 Deaths 405 Injuries	Congested waters	60	0	29
	Dam/lock	16	9	9
	Force of wave/wake	215	14	182
	Hazardous waters	232	62	95
	Missing/inadequate navigation aid	32	0	9
	Weather	244	42	81
Miscellaneous 656 Accidents 195 Deaths 335 Injuries	Carbon monoxide exposure	0	0	0
	Ignition of fuel or vapor	47	1	46
	Sudden medical condition	19	12	9
	Other	348	58	235
	Unknown	242	124	45
All categories combined		5265	767	3191

Table 6 - MACHINERY & EQUIPMENT PRIMARY CONTRIBUTING FACTOR OF ACCIDENTS & CASUALTIES 2020				
		Accidents	Deaths	Injuries
Machinery Failure	Electrical system failure	48	8	19
	Engine failure	199	8	52
	Exhaust system failure	3	0	9
	Fuel system failure	28	0	18
	Shift failure	18	0	0
	Steering system failure	31	1	25
	Throttle failure	17	1	8
	Ventilation system failure	4	0	17
	Not specified	25	1	3
Equipment Failure	Auxiliary equipment failure	71	4	15
	Onboard navigation aid	0	0	0
	Sail dismasting	1	0	0
	Seat broke loose	5	3	3
	Other	5	0	4
	Not specified	1	0	0





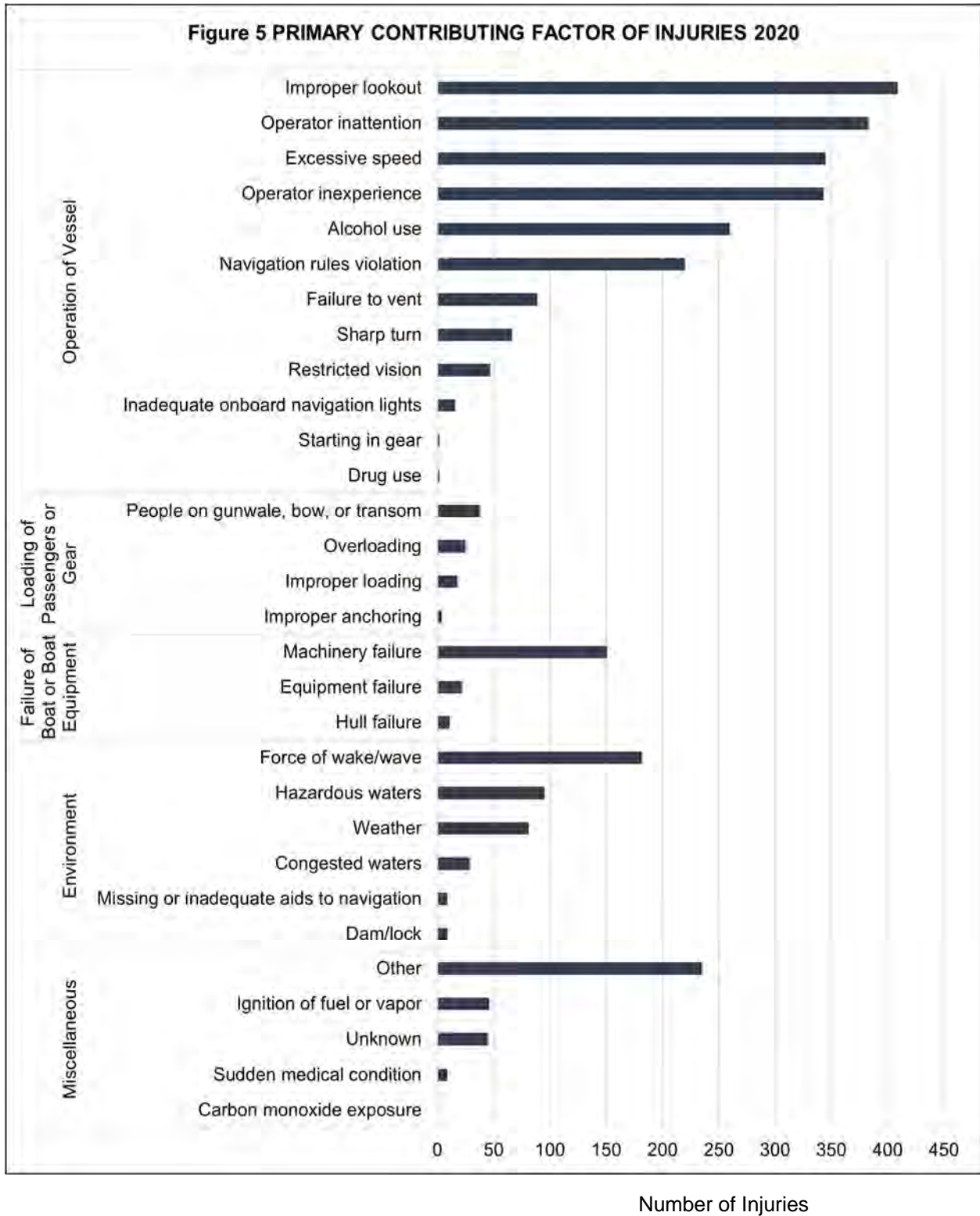


Table 7 - NUMBER OF VESSELS IN ACCIDENTS BY VESSEL TYPE & PRIMARY CONTRIBUTING FACTOR 2020			
	Unknown		305
	Other		356
	Weather		313
	Sudden medical condition		20
	Starting in gear		5
	Sharp turn		76
	Restricted vision		99
	People on gunwale, bow or transom		52
	Overloading		65
	Operator inexperience		910
	Operator inattention		934
	Navigation rules violation		553
	Missing/inadequate navigation aid		33
	Machinery failure		537
	Inadequate onboard navigation lights		40
	Improper lookout		947
	Improper loading		44
	Improper anchoring		31
	Ignition of fuel or vapor		59
	Hull failure		67
	Hazardous waters		256
	Force of wave/wake		245
	Failure to vent		62
	Excessive speed		626
	Equipment failure		91
	Drug use		14
	Dam/lock		16
	Congested waters		88
	Carbon monoxide exposure		0
	Alcohol use		404
	All contributing factors		7248
All vessels			
Airboat	32	0	0
Auxiliary sailboat	234	6	0
Cabin motorboat	937	43	0
Canoe	59	7	0
Houseboat	67	2	0
Inflatable	26	3	0
Kayak	213	16	0
Open motorboat	3257	207	0
Personal watercraft	1564	58	0
Pontoon	588	54	0
Rowboat	42	0	0
Sail (only)	31	1	0
Sail (unknown)	3	0	0
Standup paddleboard	17	1	0
Other	19	0	0
Unknown	159	6	0

Table 8 • ALCOHOL USE AS A CONTRIBUTING FACTOR IN ACCIDENTS & CASUALTIES BY STATE 2016-2020															
	Accidents					Deaths					Injuries				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
USA	350	323	309	330	353	133	118	119	128	130	335	255	275	279	315
AK	1	1	7	1	5	1	1	10	1	6	0	0	5	0	0
AL	7	8	9	12	11	6	2	7	8	2	5	10	7	12	4
AR	2	4	1	3	4	2	1	0	1	2	0	7	1	0	2
AZ	11	2	9	8	7	3	2	4	0	0	12	0	17	6	5
CA	11	14	11	16	21	3	4	5	6	10	20	17	13	18	24
CO	3	5	2	1	4	1	1	1	0	3	1	3	1	1	2
CT	3	4	2	6	0	1	5	0	1	0	5	1	2	1	0
DE	1	3	1	0	1	0	1	0	0	0	0	2	0	0	1
DC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FL	31	39	29	40	36	14	14	6	18	13	25	35	20	26	27
GA	12	11	8	7	11	7	2	2	3	0	7	9	8	2	27
HI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IA	7	4	6	4	8	2	1	2	1	2	4	3	6	6	4
ID	3	5	3	4	6	3	1	1	1	0	5	4	3	3	9
IL	10	7	7	9	6	1	3	4	8	4	4	1	2	6	2
IN	4	6	7	5	4	2	2	2	4	2	3	7	10	2	1
KS	6	4	1	2	0	2	0	0	1	0	5	5	4	3	0
KY	6	7	5	8	9	2	5	4	1	1	6	2	1	6	7
LA	7	11	12	8	10	3	3	3	3	2	6	11	11	8	21
MA	7	3	6	6	6	2	3	1	0	2	2	1	6	8	3
MD	12	16	10	14	17	3	3	5	9	3	13	17	5	10	21
ME	6	6	4	3	3	2	4	1	2	1	7	2	1	0	1
MI	10	9	8	17	14	7	4	3	5	4	6	3	4	13	12
MN	18	14	8	10	12	8	4	2	2	5	11	12	10	4	5
MO	14	13	19	14	13	3	1	3	4	2	15	8	33	18	20
MS	8	1	5	0	4	3	1	1	0	1	6	0	7	0	4
MT	3	1	4	1	1	1	0	4	1	0	6	0	4	0	1
NC	12	13	18	11	22	1	1	4	4	10	13	13	18	9	18
ND	0	4	1	0	2	0	3	1	0	0	0	1	1	0	3
NE	1	3	2	3	1	0	1	0	0	0	0	2	0	3	2
NH	2	3	3	1	1	0	0	1	0	0	2	1	0	1	1
NJ	4	1	4	2	1	0	0	0	2	0	6	1	2	0	0
NM	0	0	2	0	2	0	0	1	0	1	0	0	1	0	1
NV	3	2	3	1	1	0	1	1	0	1	3	1	4	0	0
NY	18	12	15	11	9	6	1	3	2	3	24	16	13	17	7
OH	9	10	6	11	12	4	4	2	2	9	11	8	3	11	9
OK	4	5	7	4	4	0	3	3	2	2	6	6	7	2	3
OR	3	1	4	5	4	1	1	2	4	2	6	0	7	3	1
PA	7	5	1	3	3	5	3	1	1	2	8	4	0	4	0
RI	3	2	0	0	2	0	2	0	0	0	1	1	0	0	3
SC	9	12	4	9	6	4	2	1	2	3	9	8	3	9	4
SD	3	0	4	1	1	2	0	1	0	1	1	0	3	4	0
TN	11	9	8	9	7	5	2	3	1	6	10	3	6	7	8
TX	21	10	12	27	29	6	7	6	11	8	28	5	6	33	35
UT	5	1	4	5	6	1	0	3	2	5	10	1	3	6	1
VA	5	3	6	6	7	4	2	2	4	4	2	0	1	1	4
VT	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
WA	10	9	8	17	6	3	5	5	9	3	8	3	4	14	6
WI	9	16	10	4	12	8	9	6	1	4	7	20	10	2	6
WV	6	2	2	1	2	0	1	2	1	1	5	1	1	0	0
WY	1	1	1	0	0	1	1	0	0	0	0	0	1	0	0
AS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNMI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PR	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
VI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 9 • VESSEL OPERATION AT THE TIME OF ACCIDENT 2020			
	Vessels Involved	Deaths	Injuries
Totals	7248	767	3191
At anchor	253	28	63
Being towed	53	0	10
Changing direction	1021	58	491
Changing speed	823	39	409
Cruising	2870	217	1540
Docking/undocking	59	7	10
Drifting	708	186	353
Idling	65	7	45
Launching/loading	30	1	12
Rowing/paddling	257	150	108
Sailing	59	4	17
Tied to dock/moored	775	8	73
Towing	49	1	3
Trolling	30	8	10
Other	39	2	11
Unknown	157	51	36

Table 10 • VESSEL ACTIVITY AT THE TIME OF ACCIDENT 2020									
	Vessels Involved	Deaths				Injuries			
		Total	Operator	Occupant	Other/ unknown role	Total	Operator	Occupant	Other/ unknown role
Totals	7248	767	448	285	34	3191	1222	1496	473
Boating/relaxation	4683	425	260	155	10	2186	972	1146	68
Commercial	37	0	0	0	0	1	1	0	0
Fishing	772	226	145	76	5	271	132	135	4
Fueling	24	0	0	0	0	26	7	18	1
Government	21	0	0	0	0	1	0	1	0
Hunting	37	13	5	8	0	24	14	10	0
Racing	36	2	1	1	0	16	8	8	0
Repairs	65	3	3	0	0	41	18	21	2
Starting engine	71	2	0	2	0	70	23	44	3
Swimming/snorkeling	129	58	21	37	0	67	5	50	12
Towed watersports	496	23	1	3	19	439	16	45	378
Towing	89	1	1	0	0	12	3	8	1
Whitewater	33	11	9	2	0	15	12	3	0
Other	27	3	2	1	0	16	11	5	0
None; not in operation	661	0	0	0	0	3	0	0	3
Unknown	67	0	0	0	0	3	0	2	1

Table 11 • WEATHER AND WATER CONDITIONS 2020				
		Accidents	Deaths	Injuries
		5265	767	3191
TYPE OF BODY OF WATER	Lakes, Ponds, Reservoirs, Dams, Gravel Pits	2474	396	1486
	Rivers, Streams, Creeks, Swamps, Bayous	1161	219	792
	Bays, Inlets, Marinas, Sounds, Harbors, Channels, Canals, Sloughs, Coves	1071	108	626
	Ocean/Gulf	432	32	229
	Great Lakes (not tributaries)	127	12	58
	Unknown	0	0	0
WATER CONDITIONS	Calm (waves less than 6")	2946	409	1862
	Choppy (waves >6" to 2')	1519	179	950
	Rough (waves >2' to 6')	462	81	190
	Very Rough (waves larger than 6')	86	14	39
	Unknown	252	84	150
WIND	None	393	54	271
	Light (0 - 6 mph)	3064	434	2003
	Moderate (7 - 14 mph)	1258	159	664
	Strong (15 - 25 mph)	330	61	135
	Storm (over 25 mph)	63	19	27
	Unknown	157	40	91
VISIBILITY	Poor - Day	82	23	31
	Poor - Night	140	27	128
	Poor - Unknown if day or night	0	0	0
	Fair - Day	209	31	104
	Fair - Night	130	27	68
	Fair- Unknown if day or night	2	1	0
	Good - Day	3971	515	2346
	Good - Night	458	85	366
	Good- Unknown if day or night	6	0	3
	Unknown - Day	197	42	113
	Unknown - Night	60	12	29
	Unknown - Unknown if day or night	10	4	3
WATER TEMPERATURE	39 degrees F and below	46	22	28
	40 - 49 degrees F	127	46	70
	50 - 59 degrees F	371	84	191
	60 - 69 degrees F	876	121	469
	70 - 79 degrees F	1634	184	1015
	80 - 89 degrees F	1312	148	881
	90 degrees F and above	41	5	25
	Unknown	858	157	512

Table 12 • TIME RELATED DATA 2020				
		Accidents	Deaths	Injuries
		5265	767	3191
Time of Day	12:00 am to 2:30 am	103	34	70
	2:31 am to 4:30 am	51	6	18
	4:31 am to 6:30 am	40	1	24
	6:31 am to 8:30 am	148	27	66
	8:31 am to 10:30 am	275	51	136
	10:31 am 12:30 pm	565	82	293
	12:31 pm to 2:30 pm	832	95	501
	2:31 pm to 4:30 pm	1086	124	662
	4:31 pm to 6:30 pm	1058	151	619
	6:31 pm to 8:30 pm	650	94	452
	8:31 pm to 10:30 pm	298	56	221
	10:31 pm to 11:59 pm	89	19	115
	Unknown	70	27	14
	Month of Year	January	103	28
February		86	16	38
March		181	39	105
April		225	51	116
May		722	88	462
June		921	126	558
July		1115	137	715
August		920	123	576
September		502	64	287
October		242	46	142
November		152	33	86
December		96	16	49
Day of Week	Sunday	1290	167	828
	Monday	455	77	266
	Tuesday	360	73	192
	Wednesday	385	73	197
	Thursday	479	89	249
	Friday	683	98	374
	Saturday	1613	190	1085

Table 13 • VESSEL INFORMATION 2020				
		Vessels Involved	Deaths	Injuries
		7248	767	3191
Hull Material	Aluminum	1197	232	511
	Fiberglass	5344	337	2458
	Plastic	292	112	128
	Rubber/Vinyl/Canvas	61	35	28
	Steel	35	4	3
	Wood	63	10	15
	Other	31	4	9
	Unknown	225	33	39
Horsepower	No Engine	390	209	164
	10 hp or less	107	35	36
	11 - 25 hp	138	32	63
	26 - 75 hp	518	82	238
	76 - 150 hp	1488	109	772
	151 - 250 hp	1015	72	490
	Over 250 hp	1417	50	541
	Unknown	2175	178	887
Year Built	2020	540	33	273
	2019	553	49	264
	2017 - 2018	622	58	295
	2015 - 2016	413	35	196
	2013 - 2014	265	25	118
	2007 - 2012	706	51	299
	Prior to 2007	3312	319	1464
	Unknown	837	197	282
Length	Less than 16 feet	2091	342	1118
	16 feet to <26 feet	3333	329	1594
	26 feet to <40 feet	902	34	290
	40 feet to 65 feet	391	3	51
	More than 65 feet	51	1	2
	Unknown	480	58	136

Table 14 - RENTAL STATUS OF VESSELS INVOLVED IN ACCIDENTS

	Vessels				Deaths				Injuries			
	# of Vessels	Rented	Not Rented	Unknown if rented	# of Deaths	Rented	Not rented	Unknown if rented	# of Injuries	Rented	Not rented	Unknown if rented
All Vessels	7248	995	4600	1653	767	81	515	171	3191	489	2123	579
Airboat	32	0	30	2	1	0	1	0	15	0	15	0
Auxiliary sailboat	234	11	176	47	2	0	2	0	33	2	21	10
Cabin motorboat	937	11	758	168	33	0	28	5	298	3	254	41
Canoe	59	6	42	11	42	3	28	11	28	4	21	3
Houseboat	67	11	25	31	2	1	1	0	6	3	3	0
Inflatable	26	4	15	7	18	2	12	4	14	4	5	5
Kayak	213	19	139	55	112	10	80	22	89	7	51	31
Open motorboat	3257	175	2332	750	376	19	269	88	1520	82	1165	273
Personal watercraft	1564	553	710	301	66	16	40	10	896	287	450	159
Pontoon	588	196	267	125	67	27	27	13	232	92	102	38
Rowboat	42	1	36	5	20	0	16	4	17	1	16	0
Sailboat (only)	31	2	23	6	5	0	5	0	8	1	6	1
Sailboat (unknown)	3	0	2	1	0	0	0	0	0	0	0	0
Standup paddleboard	17	3	10	4	10	1	6	3	7	2	4	1
Other	19	2	9	8	2	2	0	0	1	0	0	1
Unknown	159	1	26	132	11	0	0	11	27	1	10	16

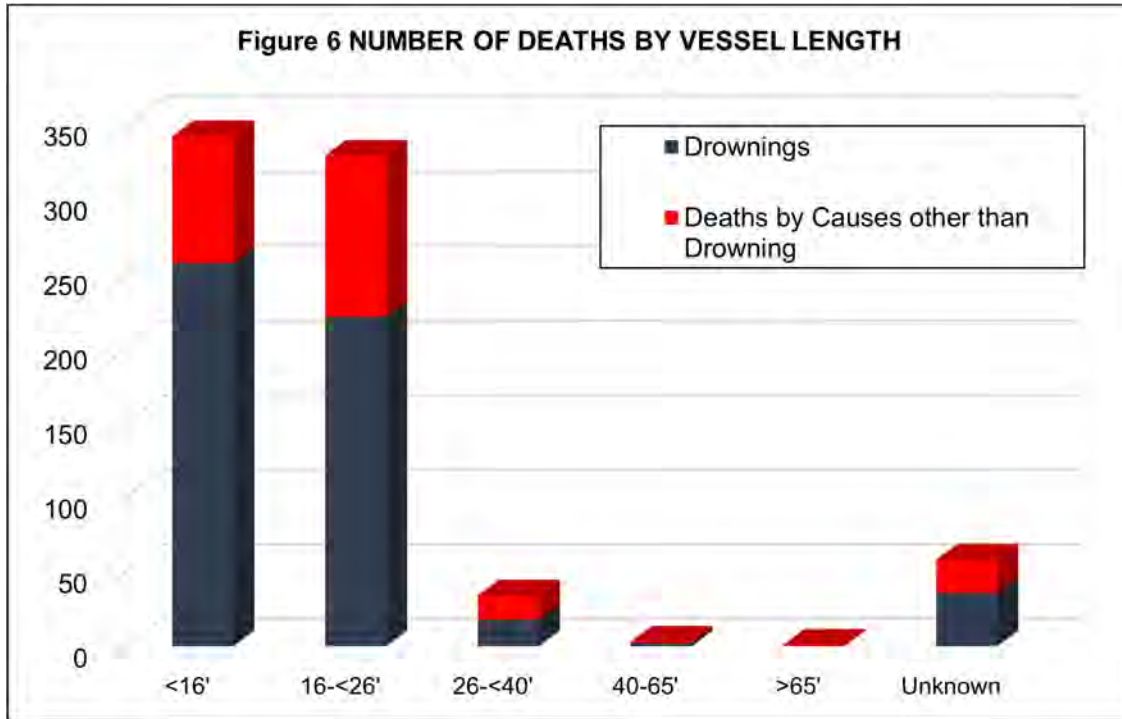


Table 15 - NUMBER & PERCENT OF DEATHS BY VESSEL LENGTH				
Length	Drownings	Deaths by Causes other than Drowning	Total Deaths	Percent of Deaths from Drowning
<16'	257	85	342	75%
16-<26'	221	108	329	67%
26-<40'	18	16	34	53%
40-65'	2	1	3	67%
>65'	0	1	1	0%
Unknown	36	22	58	62%
Total	534	233	767	70%

ACCIDENT TYPES

Explanation of Accident Types Section

The following section contains six tables that examine data related to the events in accidents (termed "accident types"). The tables focus on these events and break down information by state, vessel type, vessel length, engine type, and propulsion.

In the Coast Guard's national database, there are four fields that can be used to define the series of events in an accident. By events, we mean the series of occurrences during an accident. If a wave broke over a vessel causing it to take on water, capsize, and eject its occupant, the Coast Guard would categorize this accident by three events. First, there was a flooding/swamping. Second, there was a capsizing. Third, there was an ejection.

With the exception of one table, the tables and figures in this report focus only on the first event in the sequence. The rationale for providing only the first accident type is to keep the tables simplistic; if we added the second, third, and fourth events in the boating sequence, our accident, casualty, and damage totals would not match up because they would be double-counting the accidents, casualties, and damages for cases that had more than one event.

Accident, Vessel & Casualty Numbers by Primary Accident Type (Table 16, Page 36)

This table focuses on the first event in a boating accident and provides information on the number of accidents, vessels, and casualties attributed to that first event. The deaths section is also separated by the categories drownings and non-drownings.

Five-year Summary of Frequency of Events in Accidents & Casualties Nationwide (Table 17, Pages 37-40)

As mentioned in the second paragraph, there are four fields that can be used to define the series of events in an accident. This table focuses on the first three events in an accident and the number of casualties associated with each event. The Coast Guard leaves out the fourth because it is not a standardized field.

Using the example in the opening paragraphs, the flooding/swamping would fall under the intersection of the column "First Event in an Accident" and the row "Flooding/swamping". The capsizing would be marked under the column "Second Event in an Accident" and the row "Capsizing". Finally, the ejection would be marked under the column "Third Event in an Accident" and the row "Ejected from Vessel".

This table focuses on the frequency that these events occurred nationally and the total number of deaths that were associated with each accident type. If we turn back to our example and focus on deaths as a result of flooding/swamping, we see that there were 589 accidents where flooding/swamping was the first event in the boating accident. There were 84 deaths associated with this first event type. However, there were other accidents that involved a flooding/swamping as a second or third occurrence. There were 343 accidents and 25 deaths associated with flooding/swamping as a second event and 75 accidents and 8 deaths associated with flooding/swamping as a third event. All combined, you get the sixth column of the table that looks at how many deaths were associated with an event that occurred either as the first, second, or third occurrence in an accident. Please note that in this table deaths are not separated by first, second and third event. In the example, there were 1,007 accidents and 117 deaths associated with flooding/swamping as a first, second, or third event.

This table can be difficult to understand, especially when the reader is under the expectation that the tallies of the casualty columns will equal the numbers published at the front of this report that reference the number of reportable accidents and deaths.

Number of Vessels in Accidents by Vessel Length & Primary Accident Type (Table 18, Page 41)

This table displays the types of accidents by the length of vessel. The table lists vessel length by foot for vessels of lengths 4 ft-39 ft. After 39 ft, information is categorized in ranges. This table also provides information about the number of casualties and vessels associated by length of vessel.

Number of Vessels in Accidents by Vessel Type & Primary Accident Type (Table 19, Page 42)

This table examines the first event of a boating accident for all vessels involved in an accident. It also provides information about the casualties associated with each vessel type.

Number of Vessels in Accidents by Primary Accident Type & Propulsion Type (Table 20, Page 43)

This table provides information about the number of vessels involved in accidents by primary accident type and propulsion type.

Number of Vessels with Propellers by Primary Accident Type & Engine Type (Table 21, Page 43)

This table provides information about the number of casualties and vessels associated by primary accident type and engine type. This table is a subset of information from Table 20 and represents all vessels propelled by a propeller.

Table 16 - ACCIDENT, VESSEL & CASUALTY NUMBERS BY PRIMARY ACCIDENT TYPE 2020

	Accidents	Vessels Involved	Drowning Deaths	Other Deaths	Total Deaths	Total Injuries	Damages
All Accident Types	5265	7248	534	233	767	3191	\$62,514,773.46
Capsizing	309	327	135	24	159	153	\$1,961,900.00
Carbon monoxide poisoning	15	16	0	5	5	41	\$2,000.00
Collision with fixed object	542	634	28	34	62	389	\$5,712,939.88
Collision with floating object	82	89	5	0	5	26	\$958,990.00
Collision with commercial vessel	15	30	1	1	2	8	\$192,250.00
Collision with governmental vessel	10	22	0	0	0	2	\$44,600.00
Collision with recreational vessel	1379	2862	8	58	66	831	\$13,112,411.98
Collision with submerged object	149	152	5	1	6	50	\$2,810,220.14
Departed vessel	171	176	83	12	95	88	\$64,765.00
Ejected from vessel	248	274	32	10	42	216	\$419,858.00
Electrocution	3	3	0	0	0	3	\$20,950.00
Fall in vessel	169	183	3	2	5	180	\$265,039.00
Falls overboard	335	370	148	33	181	161	\$284,771.00
Fire/explosion (fuel)	176	227	1	2	3	169	\$6,231,275.00
Fire/explosion (non-fuel)	87	137	0	8	8	23	\$5,771,864.88
Fire/explosion (unknown origin)	53	117	0	0	0	21	\$5,323,450.00
Flooding/swamping	589	645	70	14	84	128	\$7,425,271.03
Grounding	484	503	4	10	14	255	\$11,238,336.55
Person struck by propeller	55	56	0	5	5	54	\$0.00
Person struck by vessel	30	37	0	2	2	35	\$10,500.00
Sinking	0	0	0	0	0	0	\$0.00
Skier mishap	303	317	11	9	20	310	\$125,580.00
Sudden medical condition	0	0	0	0	0	0	\$0.00
Other	61	71	0	3	3	48	\$537,801.00

Table 17 • FREQUENCY OF EVENTS IN ACCIDENTS & CASUALTIES NATIONWIDE							
	First Event in an Accident	Second Event in an Accident	Third Event in an Accident	Total Times Event Occurred in all Accidents	Deaths Associated with Event in all Accidents	Injuries Associated with Event in all Accidents	Damages Associated with Event in all Accidents
2020							
Capsizing	309	315	72	696	226	284	\$6,195,036.34
Carbon monoxide poisoning	15	0	0	15	5	41	\$2,000.00
Collision with fixed object	542	93	19	654	69	445	\$7,027,142.79
Collision with floating object	82	4	0	86	5	28	\$966,005.00
Collision with commercial vessel	15	1	1	17	2	10	\$195,005.00
Collision with governmental vessel	10	2	0	12	0	3	\$92,600.00
Collision with recreational vessel	1379	89	10	1478	68	854	\$14,437,120.93
Collision with submerged object	149	1	0	150	6	51	\$2,810,220.14
Departed vessel	171	97	19	287	119	130	\$2,153,967.00
Ejected from vessel	248	717	475	1440	351	1186	\$9,893,195.46
Electrocution	3	1	0	4	2	5	\$20,950.00
Fall in vessel	169	259	54	482	22	691	\$4,360,490.00
Falls overboard	335	49	5	389	200	189	\$408,911.00
Fire/explosion (fuel)	176	1	2	179	3	171	\$7,505,475.00
Fire/explosion (non-fuel)	87	3	1	91	8	24	\$6,350,364.88
Fire/explosion (unknown origin)	53	0	0	53	0	21	\$5,323,450.00
Flooding/swamping	589	343	75	1007	117	284	\$24,329,920.03
Grounding	484	80	34	598	34	319	\$12,528,222.55
Person struck by propeller	55	148	44	247	39	241	\$511,850.00
Person struck by vessel	30	314	26	370	54	442	\$1,717,942.00
Sinking	0	112	99	211	40	62	\$7,737,499.00
Skier mishap	303	28	2	333	22	353	\$142,285.00
Sudden medical condition	0	0	0	0	0	0	\$0.00
Other	61	12	1	74	4	60	\$557,601.00
Unknown	0	0	0	0	0	0	\$0.00
2019							
Capsizing	242	240	50	532	185	234	\$6,672,595.09
Carbon monoxide poisoning	12	1	0	13	5	32	\$650.00
Collision with fixed object	493	101	13	607	53	380	\$11,611,781.57
Collision with floating object	68	7	3	78	14	30	\$1,124,094.75
Collision with commercial vessel	21	3	2	26	2	19	\$381,306.78
Collision with governmental vessel	8	0	0	8	0	4	\$56,200.00
Collision with recreational vessel	1071	83	15	1169	47	690	\$12,097,263.60
Collision with submerged object	134	1	0	135	9	59	\$1,675,134.20

Table 17 Continued • FREQUENCY OF EVENTS IN ACCIDENTS & CASUALTIES NATIONWIDE							
2019 continued	First Event in an Accident	Second Event in an Accident	Third Event in an Accident	Total Times Event Occurred in all Accidents	Deaths Associated with Event in all Accidents	Injuries Associated with Event in all Accidents	Damages Associated with Event in all Accidents
Departed vessel	97	41	7	145	73	69	\$333,423.01
Ejected from vessel	181	555	347	1083	277	910	\$10,425,432.09
Electrocution	0	2	0	2	0	5	\$30,000.00
Fall in vessel	131	252	43	426	26	637	\$7,903,634.68
Falls overboard	299	27	7	333	194	151	\$143,451.19
Fire/explosion (fuel)	134	5	0	139	0	107	\$4,123,621.71
Fire/explosion (non-fuel)	59	3	2	64	2	16	\$6,496,195.00
Fire/explosion (unknown origin)	46	0	0	46	3	9	\$6,499,679.00
Flooding/swamping	399	246	58	703	76	206	\$16,930,794.83
Grounding	413	56	20	489	25	294	\$6,792,155.24
Person struck by propeller	39	101	31	171	35	155	\$100,402.19
Person struck by vessel	19	225	25	269	34	338	\$956,315.00
Sinking	0	86	70	156	18	37	\$7,901,198.44
Skier mishap	259	13	0	272	13	301	\$33,833.01
Sudden medical condition	0	2	0	2	1	1	\$0.00
Other	43	11	3	57	5	55	\$68,550.00
Unknown	0	0	0	0	0	0	\$0.00
2018							
Capsizing	266	223	62	551	214	269	\$4,245,361.27
Carbon monoxide poisoning	8	2	0	10	8	8	\$0.00
Collision with fixed object	470	84	17	571	71	348	\$8,793,679.73
Collision with floating object	59	5	0	64	11	26	\$499,957.49
Collision with commercial vessel	25	0	1	26	1	18	\$753,995.00
Collision with governmental vessel	6	3	0	9	1	4	\$71,501.00
Collision with recreational vessel	1028	65	10	1103	45	689	\$11,044,445.18
Collision with submerged object	151	1	0	152	10	45	\$1,274,500.69
Departed vessel	119	69	20	208	86	100	\$857,197.37
Ejected from vessel	197	585	276	1058	305	983	\$7,858,064.03
Electrocution	0	0	0	0	0	0	\$0.00
Fall in vessel	128	191	57	376	39	535	\$4,205,491.69
Falls overboard	274	49	6	329	171	158	\$455,847.70
Fire/explosion (fuel)	145	2	1	148	4	99	\$3,906,954.54
Fire/explosion (non-fuel)	70	3	0	73	0	11	\$6,235,940.37
Fire/explosion (unknown origin)	41	0	0	41	0	7	\$3,291,006.75
Flooding/swamping	443	244	78	765	105	227	\$13,031,049.80

Table 17 Continued ▪ FREQUENCY OF EVENTS IN ACCIDENTS & CASUALTIES NATIONWIDE							
	First Event in an Accident	Second Event in an Accident	Third Event in an Accident	Total Times Event Occurred in all Accidents	Deaths Associated with Event in all Accidents	Injuries Associated with Event in all Accidents	Damages Associated with Event in all Accidents
2018 continued							
Grounding	367	64	33	464	26	298	\$6,901,793.84
Person struck by propeller	45	107	25	177	25	177	\$80,388.70
Person struck by vessel	31	204	34	269	23	348	\$837,487.82
Sinking	0	144	87	231	20	45	\$6,343,604.00
Skier mishap	230	8	1	239	10	264	\$2,600.00
Sudden medical condition	0	0	0	0	0	0	\$0.00
Other	42	17	1	60	2	53	\$498,108.00
Unknown	0	0	0	0	0	0	\$0.00
2017							
Capsizing	286	244	72	602	222	324	\$5,472,159.63
Carbon monoxide poisoning	9	1	1	11	4	14	\$100.00
Collision with fixed object	470	103	11	584	68	384	\$7,133,312.41
Collision with floating object	55	5	0	60	5	29	\$665,200.00
Collision with commercial vessel	19	2	2	23	2	15	\$543,700.00
Collision with governmental vessel	6	0	0	6	0	5	\$56,200.00
Collision with recreational vessel	1145	65	2	1212	52	753	\$10,007,231.45
Collision with submerged object	141	1	0	142	3	47	\$1,236,846.31
Departed vessel	93	56	14	163	66	82	\$1,146,500.00
Ejected from vessel	173	610	348	1131	330	968	\$7,569,723.77
Electrocution	1	2	0	3	5	0	\$7,000.00
Fall in vessel	154	272	58	484	23	743	\$5,109,056.87
Falls overboard	306	39	4	349	190	158	\$135,458.00
Fire/explosion (fuel)	157	5	2	164	2	103	\$5,532,049.00
Fire/explosion (non-fuel)	81	2	1	84	0	12	\$6,793,581.68
Fire/explosion (unknown origin)	33	0	1	34	1	5	\$2,758,227.00
Flooding/swamping	435	269	74	778	98	251	\$17,383,750.97
Grounding	368	50	15	433	24	262	\$5,773,401.27
Person struck by propeller	30	118	24	172	31	162	\$170,980.00
Person struck by vessel	23	253	31	307	38	403	\$1,087,437.00
Sinking	0	113	100	213	19	50	\$10,377,829.59
Skier mishap	259	18	1	278	16	290	\$14,134.00
Sudden medical condition	2	1	0	3	3	0	\$0.00
Other	45	9	3	57	1	54	\$392,437.00
Unknown	0	0	0	0	0	0	\$0.00

Table 17 Continued • FREQUENCY OF EVENTS IN ACCIDENTS & CASUALTIES NATIONWIDE							
2016	First Event in an Accident	Second Event in an Accident	Third Event in an Accident	Total Times Event Occurred in all Accidents	Deaths Associated with Event in all Accidents	Injuries Associated with Event in all Accidents	Damages Associated with Event in all Accidents
Capsizing	305	262	60	627	263	356	\$4,262,346.53
Carbon monoxide poisoning	8	2	1	11	6	13	\$5,000.00
Collision with fixed object	565	82	9	656	74	475	\$8,189,699.35
Collision with floating object	53	4	0	57	5	19	\$489,063.83
Collision with commercial vessel	31	3	0	34	5	23	\$696,484.58
Collision with governmental vessel	4	0	1	5	0	3	\$15,100.00
Collision with recreational vessel	1051	67	9	1127	42	747	\$9,587,374.22
Collision with submerged object	143	5	0	148	9	56	\$2,772,112.20
Departed vessel	121	58	16	195	96	88	\$1,018,112.00
Ejected from vessel	160	609	311	1080	319	969	\$7,122,482.55
Electrocution	2	0	0	2	2	1	\$0.00
Fall in vessel	170	284	52	506	25	693	\$3,956,127.78
Falls overboard	284	58	9	351	183	177	\$227,195.00
Fire/explosion (fuel)	158	10	2	170	2	138	\$3,054,056.00
Fire/explosion (non-fuel)	81	2	1	84	0	8	\$7,265,495.00
Fire/explosion (unknown origin)	34	0	0	34	1	10	\$5,198,480.00
Flooding/swamping	470	258	82	810	111	285	\$15,154,400.50
Grounding	413	55	23	491	16	299	\$7,128,476.37
Person struck by propeller	42	101	28	171	24	175	\$124,740.00
Person struck by vessel	32	220	31	283	24	367	\$889,104.49
Sinking	0	119	83	202	23	46	\$8,122,022.00
Skier mishap	278	19	3	300	11	316	\$47,490.00
Sudden medical condition	10	1	0	11	9	2	\$700.00
Other	48	28	5	81	6	66	\$759,150.09
Unknown	0	0	0	0	0	0	\$0.00

Table 18 • NUMBER OF VESSELS IN ACCIDENTS BY VESSEL LENGTH & PRIMARY ACCIDENT TYPE

	Injuries	Total Deaths	Other Deaths	Drownings	Unknown	Other	Sudden medical condition	Skier mishap	Sinking	Person struck by vessel	Person struck by propeller	Grounding	Flooding/ swamping	Fire/explosion (unknown)	Fire/explosion (non-fuel)	Fire/explosion (fuel)	Falls overboard	Fall in vessel	Electrocution	Ejected from vessel	Departed vessel	Collision with submerged object	Collision with recreational vessel	Collision with governmental vessel	Collision with commercial vessel	Collision with floating object	Collision with fixed object	Carbon monoxide poisoning	Capsizing	Total vessels involved		
All lengths	7248	327	16	634	89	30	22	2862	152	176	274	3	183	370	227	137	117	645	503	56	37	0	317	0	71	0	534	233	767	3191		
3 feet	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
4 feet	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
5 feet	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6 feet	11	3	1	0	0	0	2	2	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1	3	7
7 feet	23	1	0	0	0	2	0	10	0	1	3	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	10
8 feet	79	20	0	3	3	0	0	24	0	1	5	0	1	12	2	1	0	3	1	0	1	0	1	0	1	0	0	27	3	30	41	
9 feet	135	14	0	9	3	0	0	61	1	1	12	0	5	12	3	0	0	5	3	0	2	0	4	0	0	0	0	15	5	20	70	
10 feet	739	46	0	47	4	0	0	418	7	9	62	0	16	59	7	2	4	16	18	0	4	0	17	0	3	0	60	22	82	410		
11 feet	575	18	0	46	4	2	2	342	5	1	70	1	20	27	1	2	0	10	12	0	5	0	5	0	2	0	18	23	41	332		
12 feet	191	30	0	12	2	0	0	67	3	2	17	0	3	26	0	0	3	15	8	0	0	0	3	0	0	0	39	7	46	102		
13 feet	57	10	0	10	0	0	0	12	2	1	3	0	1	4	0	0	2	7	4	0	0	0	1	0	0	0	12	5	17	28		
14 feet	138	23	0	14	3	1	0	17	5	4	6	0	2	19	1	0	0	36	3	1	1	0	0	0	2	0	43	7	50	67		
15 feet	138	13	0	15	1	0	0	29	4	1	13	0	4	6	2	1	0	42	7	0	0	0	0	0	0	0	36	12	48	49		
Under 16 ft	2091	179	1	156	20	5	2	983	29	21	192	1	55	169	16	6	9	136	58	1	13	0	31	0	8	0	257	85	342	1118		
16 feet	253	28	0	26	2	1	0	63	9	6	11	0	5	18	6	0	0	56	13	0	1	0	7	0	1	0	44	11	55	131		
17 feet	286	16	0	21	4	1	0	86	18	7	6	0	3	14	8	3	0	63	19	2	1	0	11	0	3	0	26	5	31	150		
18 feet	401	11	0	37	7	2	1	120	8	16	4	0	12	23	13	3	3	64	33	4	3	0	34	0	3	0	39	13	52	189		
19 feet	311	5	1	20	5	0	3	96	8	10	7	0	13	13	19	7	1	31	28	3	4	0	33	0	4	0	14	17	31	173		
20 feet	448	10	1	31	10	1	0	153	12	17	14	1	14	24	18	1	1	57	35	5	1	0	37	0	5	0	30	14	44	229		
21 feet	417	3	3	26	4	4	0	134	10	14	7	0	14	14	15	6	1	51	46	11	1	0	49	0	4	0	17	18	35	201		
22 feet	376	4	3	33	5	1	0	138	8	19	2	0	9	16	17	0	3	32	42	7	1	0	29	0	7	0	19	15	34	144		
23 feet	289	1	0	35	4	0	2	106	5	13	5	0	8	7	8	7	2	19	27	8	0	0	27	0	5	0	8	7	15	150		
24 feet	339	3	1	40	3	1	1	127	9	19	3	0	12	17	15	5	6	22	20	3	4	0	24	0	4	0	15	5	20	138		
25 feet	213	2	1	24	3	2	3	73	5	9	2	0	7	5	8	3	4	14	28	3	1	0	14	0	2	0	9	3	12	89		
16 ft to less than 26 ft	3333	83	10	293	47	13	10	1096	92	130	61	1	97	151	127	35	21	409	291	46	17	0	265	0	38	0	221	108	329	1594		
26 feet	138	4	1	13	2	2	2	51	5	3	0	0	2	5	9	1	4	9	15	3	1	0	3	0	3	0	2	4	6	38		
27 feet	101	1	0	16	1	0	1	32	5	3	0	0	2	0	5	1	5	10	7	2	1	0	5	0	4	0	1	3	4	44		
28 feet	95	0	0	9	2	0	1	45	0	3	2	0	4	0	5	3	2	7	10	1	0	0	0	0	1	0	5	0	5	20		
29 feet	51	1	0	6	0	1	0	24	2	1	1	0	0	0	3	2	2	3	5	0	0	0	0	0	0	0	0	1	1	8		
30 feet	76	5	0	6	3	1	0	27	1	3	1	0	3	1	3	2	3	2	11	0	0	0	1	0	3	0	2	0	2	28		
31 feet	51	0	1	5	2	0	0	17	0	0	0	0	4	0	8	1	2	4	6	0	0	0	1	0	0	0	0	0	0	32		
32 feet	70	0	1	2	1	1	0	31	1	0	1	0	3	3	5	3	2	3	7	1	2	0	1	0	2	0	3	1	4	24		
33 feet	64	1	0	7	2	1	1	28	2	1	0	0	3	1	5	3	2	1	6	0	0	0	0	0	0	0	1	2	3	21		
34 feet	58	0	0	5	1	1	0	30	0	0	2	0	0	2	3	7	1	1	4	0	0	0	0	0	0	1	0	2	1	3	11	
35 feet	44	1	1	4	1	0	0	25	1	0	0	0	0	0	2	2	2	0	5	0	0	0	0	0	0	0	0	2	2	27		
36 feet	47	1	0	4	0	1	0	24	0	1	1	0	0	1	2	4	2	2	4	0	0	0	0	0	0	0	1	0	1	9		
37 feet	41	0	0	8	1	0	0	16	2	0	0	0	0	1	2	1	3	1	5	1	0	0	0	0	0	0	1	0	1	11		
38 feet	39	1	0	5	1	0	0	17	1	0	0	0	0	0	0	2	2	2	8	0	0	0	0	0	0	0	0	2	2	13		
39 feet	27	1	0	0	0	0	0	16	0	0	0	0	0	1	1	3	2	1	2	0	0	0	0	0	0	0	0	0	0	4		
26 ft to less than 40 ft	902	16	4	90	17	8	5	383	20	15	8	0	21	15	53	35	34	46	95	8	4	0	11	0	14	0	18	16	34	290		
40 ft to 65 ft	391	1	1	62	3	2	1	166	6	1	0	0	1	7	16	22	39	15	41	0	1	0	0	0	0	6	0	2	1	3	51	
Over 65 ft	51	1	0	10	0	2	0	28	1	0	0	0	0	2	1	0	2	2	2	0	0	0	0	0	0	0	0	1	1	2		
Unknown	480	47	0	23	2	0	4	206	4	9	13	1	9	26	14	39	12	37	16	1	2	0	10	0	5	0	36	22	58	136		

Table 19 - NUMBER OF VESSELS IN ACCIDENTS BY VESSEL TYPE & PRIMARY ACCIDENT TYPE WITH NUMBER OF CASUALTIES BY CASUALTY TYPE & VESSEL TYPE 2020			
	Injuries		3191
	Total deaths		767
	Deaths by causes other than drowning		233
	Drownings		534
	Unknown		0
	Other		71
	Sudden medical condition		0
	Skier mishap		317
	Sinking		0
	Person struck by vessel		37
	Person struck by propeller		56
	Grounding		503
	Flooding/swamping		645
	Fire/explosion (unknown origin)		117
	Fire/explosion (non-fuel)		137
	Fire/explosion (fuel)		227
	Falls overboard		370
	Fall in vessel		183
	Electrocution		3
	Ejected from vessel		274
	Departed vessel		176
	Collision with submerged object		152
	Collision with recreational vessel		2862
	Collision with governmental vessel		22
	Collision with commercial vessel		30
	Collision with floating object		89
	Collision with fixed object		634
	Carbon monoxide exposure		16
	Capsizing		327
	All accident types		7248
All vessels		7248	327
Airboat		32	3
Auxiliary sailboat		234	7
Cabin motorboat		937	9
Canoe		59	38
Houseboat		67	0
Inflatable		26	4
Kayak		213	119
Open motorboat		3257	93
Personal watercraft		1564	24
Pontoon		588	6
Rowboat		42	11
Sailboat (only)		31	7
Sailboat (unknown)		3	0
Standup paddleboard		17	2
Other		19	1
Unknown		159	3

Table 20 - NUMBER OF VESSELS IN ACCIDENTS BY PRIMARY ACCIDENT TYPE & PROPULSION TYPE			
Injuries			
Total deaths			
Other deaths			
Drownings			
Unknown			
Other			
Sudden medical condition			
Skier mishap			
Sinking			
Person struck by vessel			
Person struck by propeller			
Grounding			
Flooding/swamping			
Fire/explosion (unknown origin)			
Fire/explosion (non-fuel)			
Fire/explosion (fuel)			
Falls overboard			
Fall in vessel			
Electrocution			
Ejected from vessel			
Departed vessel			
Collision with submerged object			
Collision with recreational vessel			
Collision with governmental vessel			
Collision with commercial vessel			
Collision with floating object			
Collision with fixed object			
Carbon monoxide			
Capsizing			
Total vessels involved			
All Types	7248	327	16
Air Thrust	32	3	0
Manual	359	174	0
Propeller	4897	111	12
Sail	31	7	0
Water Jet	1712	27	4
Unknown	217	5	0
	3191	15	156
	767	1	204
	233	0	472
	534	180	2018
	0	180	2018
	71	0	58
	0	0	0
	0	0	0
	317	0	275
	0	0	0
	0	0	0
	0	0	0
	37	0	37
	0	0	0
	56	0	56
	503	4	426
	645	25	550
	117	0	98
	137	0	93
	227	0	199
	370	0	122
	183	0	122
	3	0	1
	274	0	89
	176	0	0
	152	0	0
	2862	3	20
	22	0	18
	30	0	23
	89	0	70
	634	0	463
	16	0	12
	327	0	111
	32	0	7

Table 21 - NUMBER OF VESSELS WITH PROPELLERS BY PRIMARY ACCIDENT TYPE & ENGINE TYPE			
Injuries			
Total deaths			
Other deaths			
Drownings			
Unknown			
Other			
Sudden medical condition			
Skier mishap			
Sinking			
Person struck by vessel			
Person struck by propeller			
Grounding			
Flooding/swamping			
Fire/explosion (unknown origin)			
Fire/explosion (non-fuel)			
Fire/explosion (fuel)			
Falls overboard			
Fall in vessel			
Electrocution			
Ejected from vessel			
Departed vessel			
Collision with submerged object			
Collision with recreational vessel			
Collision with governmental vessel			
Collision with commercial vessel			
Collision with floating object			
Collision with fixed object			
Carbon monoxide			
Capsizing			
Total vessels involved			
Engine Type			
Inboard	1323	5	8
Outboard	2715	102	0
Pod drive	1	0	0
Sterndrive	759	4	2
Unknown	99	0	2
	458	0	0
	44	0	0
	17	0	0
	27	0	0
	0	0	0
	12	0	0
	32	0	1
	0	0	0
	110	0	0
	85	0	0
	0	0	0
	5	0	0
	13	0	0
	9	0	0
	153	33	177
	53	20	395
	46	22	20
	90	48	48
	24	0	0
	23	73	170
	0	0	0
	10	0	0
	14	107	70
	31	0	0
	478	0	0
	2	11	950
	7	0	16
	13	0	43
	129	0	275
	8	0	0
	5	0	0
	2	0	0
	9	0	0
	11	0	1
	3	0	3
	23	8	15
	61	15	48
	3	10	6
	11	3	11
	4	11	85
	22	4	22
	0	0	0
	8	0	3
	1	0	0
	2	0	2
	11	0	2
	22	0	0
	15	0	15
	48	0	48
	6	0	6
	11	0	11
	3	0	3
	85	0	85
	25	0	25
	6	0	6
	5	0	5
	11	0	11

**OPERATOR &
PASSENGER
INFORMATION**

Explanation of Operator/Passenger Information Section

The following section contains eleven tables and figures that examine data relating to the operators and passengers in accidents. Information is displayed by age, boating safety instruction, type of injury, and cause of death.

Operator Information (Table 22, Page 46)

This table provides information about the operator. Information covers a variety of topics including age, operator's experience, number of people onboard the vessel, and the boating safety instruction level of the operator.

Examples of "other" boating safety instruction include licenses issued by the Coast Guard, military training, police academy training, rental operator training, commercially-available courses, and camp training. Informal training signifies that the operator did not receive formal instruction, but rather learned from experience.

Number of Deaths by Type of Operator Boating Instruction (Table 23 & Figure 7, Page 47)

This table and accompanying figure focus on boating safety instruction for those operators who had a person die on their vessel. The table and figure both focus on instruction provided by the U.S. Coast Guard Auxiliary, U.S. Power Squadrons, American Red Cross, and state sources. The figure examines only deaths where the operator instruction was known.

Number of Deaths by Vessel Type (Table 24 & Figure 8, Page 48)

This table documents deaths by vessel type with a focus on drownings. It also provides the percentage of deaths by drowning by type of vessel.

Percentage of Deaths by Vessel Type, 2006-2020 (Figure 9 & Table 25, Page 49)

This table and accompanying figure focus on the percentage of deaths that occurred on each vessel type for the past ten years. The figure may be interpreted by measuring the upper and lower bounds of the color-coded vessel type to obtain the percentage of deaths attributed to that vessel type within the year.

Please note that the percentages in the table have been rounded up, and that the vessel types in the figure are displayed alphabetically from the bottom up.

Number of Deceased Victims by Age & Vessel Type (Table 26 and Figure 9a, Pages 50 and 51)

This table documents the age of fatal accident victims by vessel type, and delineates the number of drownings, non-drownings, and total deaths by age. The accompanying figure charts the percent of deceased victims by age group and vessel type.

Percent of Injured Victims by Age & Vessel Type (Figure 9b and Table 27, Pages 51 and 52)

This figure charts the percent of injured victims by age group and vessel type, and the accompanying table documents the age of injured victims by vessel type.

Nature of Primary Injury Type by Area of Injury 2020 (Table 28, Page 53)

This table focuses on the nature and area of the primary injury of injured victims.

Number of Injured Victims under Age 18 by Age Group and Injury Type on Personal Watercraft, 2020 (Figure 10, Page 53)

This figure focuses on the number of injured victims from personal watercraft for specific age groups and by type of injury.

Table 22 • OPERATOR INFORMATION 2020				
		Vessels Involved	Deaths	Injuries
		7248	767	3191
Age of Operator	12 years and under	29	2	21
	13 to 18 years	448	21	286
	19 to 25 years	773	76	440
	26 to 35 years	1021	129	542
	36 to 55 years	2165	243	1196
	Over 55 years	1375	252	502
	Unknown	478	21	125
	No operator	959	23	79
Operator's Experience	No Experience	77	8	42
	Under 10 hours	790	86	454
	10 to 100 hours	1316	100	737
	101 to 500 hours	1876	158	900
	Over 500 Hours	627	53	282
	Unknown	1603	339	697
	No Operator	959	23	79
Number of Persons on Board	None	580	0	5
	One	2171	283	732
	Two	1829	227	877
	Three	677	79	377
	Four	569	49	316
	Five	361	23	254
	Six	274	35	179
	Seven	155	18	120
	Eight	125	9	111
	Nine	83	10	87
	Ten	62	8	29
	More than 10	81	24	81
	Unknown	281	2	23
	Education of Operator	American Red Cross	2	0
Informal		271	15	142
Internet Course		258	18	148
State Course		1107	46	561
US Power Squadrons		37	0	9
USCG Auxiliary		121	5	49
Other		161	10	65
No Education		2567	317	1336
Unknown		1765	333	800
No Operator		959	23	79

BOATING SAFETY INSTRUCTION

Table 23 • NUMBER OF DEATHS BY TYPE OF OPERATOR BOATING INSTRUCTION 2020	
Type of Boating Instruction	Deaths
American Red Cross	0
Informal	15
Internet Course	18
State Course	46
US Power Squadrons	0
USCG Auxiliary	5
Other	10
No Education	317
Total Deaths - Known Operator Instruction	411
Total Deaths - Unknown Operator Instruction	333
Total Deaths - No Operator	23
Total Deaths - Known & Unknown Operator Instruction	767

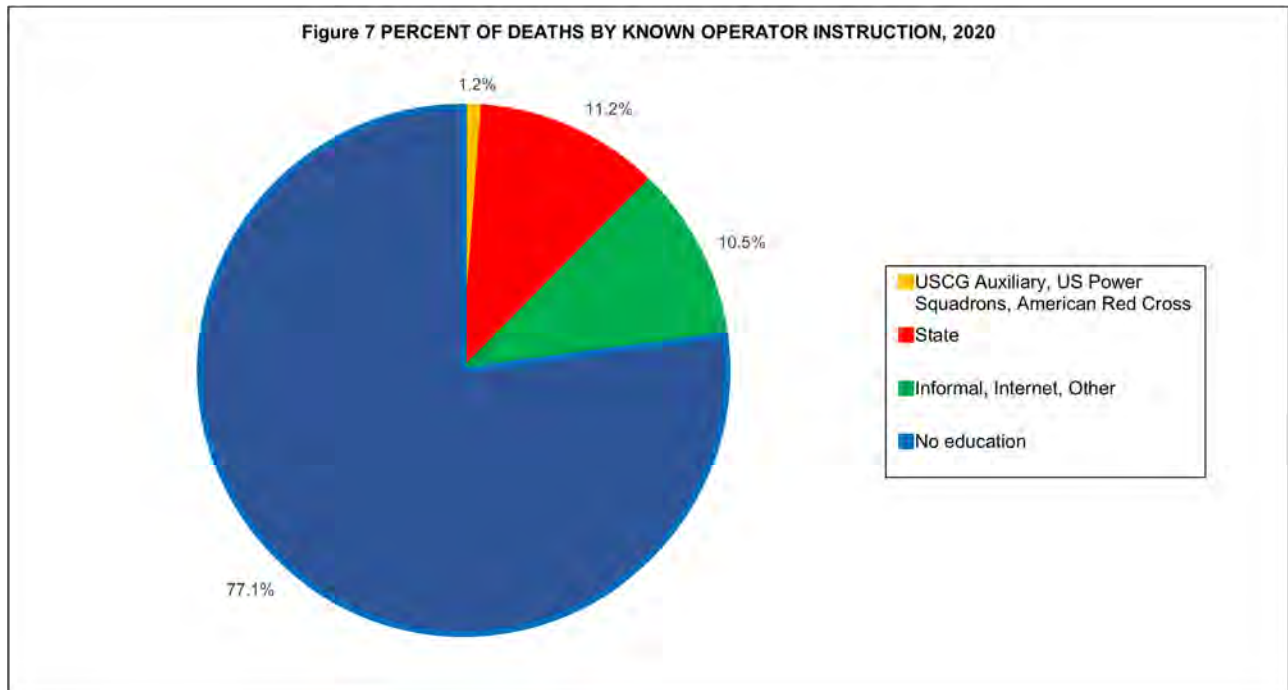


Table 24 • NUMBER OF DEATHS BY VESSEL TYPE 2020				
Vessel type	Drownings	Deaths by Causes other than Drowning	Total Deaths	Percentage of Deaths from Drowning
Airboat	1	0	1	100%
Auxiliary Sailboat	1	1	2	50%
Cabin Motorboat	16	17	33	48%
Canoe	36	6	42	86%
Houseboat	0	2	2	0%
Inflatable	18	0	18	100%
Kayak	95	17	112	85%
Open Motorboat	260	116	376	69%
Personal Watercraft	19	47	66	29%
Pontoon	53	14	67	79%
Rowboat	19	1	20	95%
Sailboat (only)	3	2	5	60%
Sailboat (unknown)	0	0	0	0%
Standup paddleboard	10	0	10	100%
Other	2	0	2	100%
Unknown	1	10	11	9%
Total	534	233	767	70%

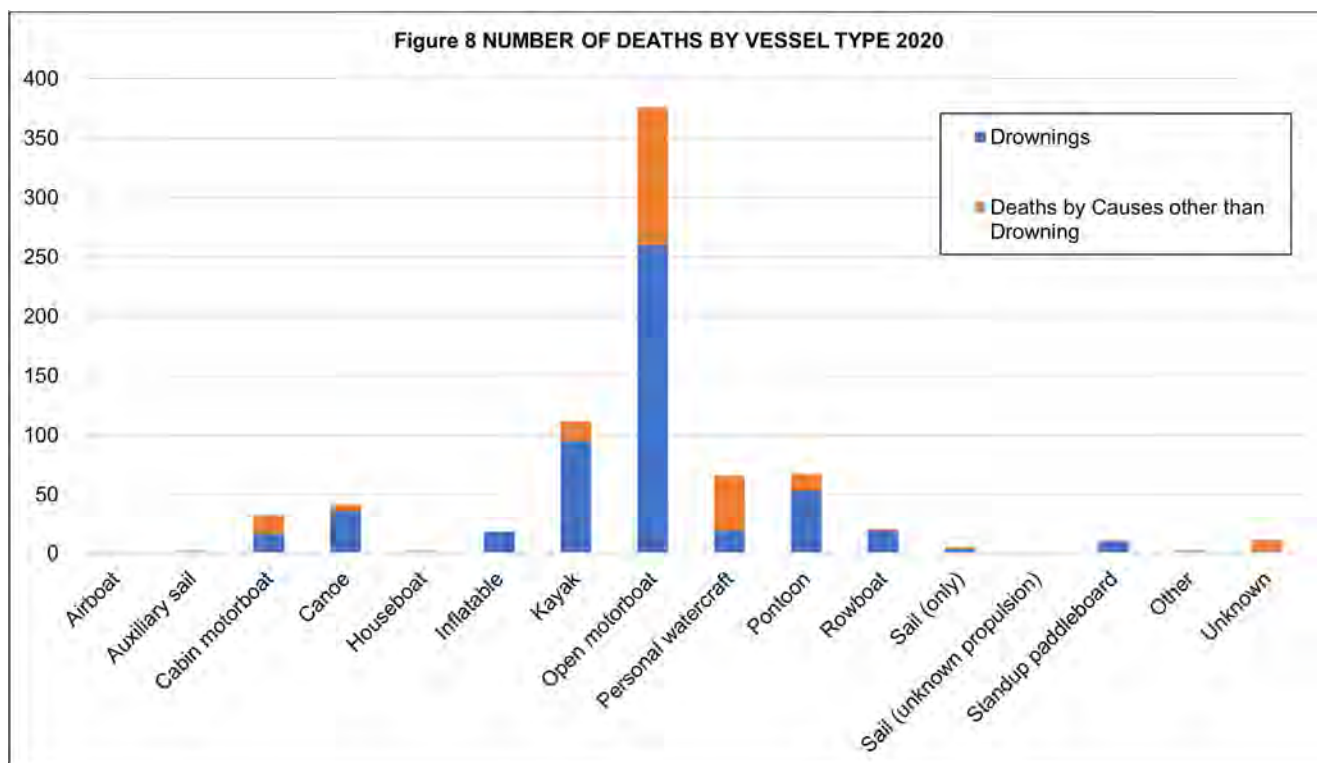


Figure 9 PERCENT OF DEATHS BY VESSEL TYPE, 2006-2020

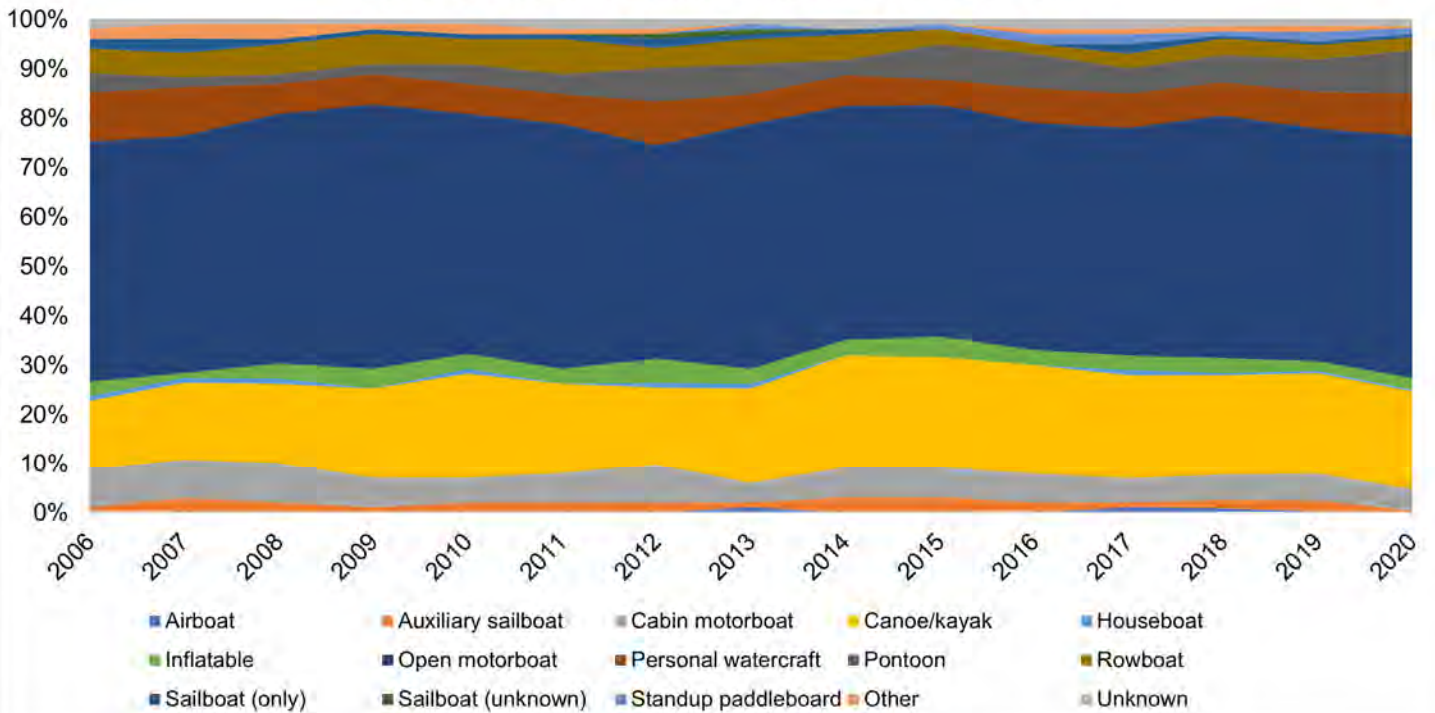


Table 25 - PERCENT OF DEATHS BY VESSEL TYPE, 2006-2020

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Airboat	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	1%	1%	0%	0%
Auxiliary sailboat	1%	3%	2%	1%	2%	2%	2%	1%	3%	3%	2%	1%	2%	2%	0%
Cabin motorboat	8%	8%	8%	6%	5%	6%	8%	4%	6%	6%	6%	5%	5%	6%	4%
Canoe/kayak	14%	16%	16%	18%	21%	18%	16%	19%	22%	22%	22%	21%	20%	20%	20%
Houseboat	1%	1%	1%	0%	1%	0%	1%	1%	0%	0%	0%	1%	0%	0%	0%
Inflatable	3%	1%	3%	4%	3%	3%	5%	3%	3%	4%	3%	3%	3%	2%	2%
Open motorboat	49%	49%	50%	53%	48%	49%	44%	49%	46%	46%	46%	46%	49%	47%	49%
Personal watercraft	10%	10%	6%	6%	6%	6%	9%	6%	6%	5%	7%	7%	7%	8%	9%
Pontoon	4%	2%	2%	2%	4%	4%	7%	6%	3%	7%	7%	5%	6%	7%	9%
Rowboat	5%	5%	6%	6%	5%	7%	4%	5%	5%	3%	2%	3%	3%	3%	3%
Sailboat (only)	2%	3%	1%	1%	1%	1%	2%	1%	1%	0%	0%	2%	1%	1%	1%
Sailboat (unknown)	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%
Standup paddleboard	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	2%	2%	1%	2%	1%
Other	2%	3%	3%	1%	2%	1%	1%	0%	0%	0%	1%	1%	1%	1%	0%
Unknown	2%	1%	1%	1%	1%	2%	2%	1%	2%	1%	2%	2%	1%	1%	1%

Table 26 • NUMBER OF DECEASED VICTIMS BY AGE AND VESSEL TYPE 2020																			
Age of Deceased Victim	Type of Vessel															Drownings	Other deaths	Total deaths	
	Airboat	Auxiliary sailboat	Cabin motorboat	Canoe	Houseboat	Inflatable	Kayak	Open motorboat	Personal watercraft	Pontoon	Rowboat	Sailboat (only)	Sailboat (unknown)	Standup paddleboard	Other				Unknown
Total	1	2	33	42	2	18	112	376	66	67	20	5	0	10	2	11	534	233	767
1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
5	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	1	2
6	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	1	2	3
7	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	1	2	3
8	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	2
10	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	2	3
11	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	2	3
12	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
0-12	0	0	1	1	1	0	3	7	3	0	0	1	0	0	0	3	7	13	20
13 - 19	0	0	1	6	0	2	6	20	7	3	0	0	0	1	0	3	27	22	49
20 - 29	0	0	7	12	0	0	26	51	17	17	3	1	0	0	2	0	94	42	136
30 - 39	0	1	5	5	0	3	21	36	10	9	2	0	0	2	0	2	67	29	96
40 - 49	1	0	2	5	0	3	16	55	16	13	1	0	0	2	0	1	80	35	115
50 - 59	0	0	11	6	1	2	16	71	10	4	4	0	0	1	0	1	88	39	127
60 - 69	0	1	5	3	0	6	17	76	3	7	4	1	0	3	0	1	95	32	127
70 - 79	0	0	1	3	0	2	7	43	0	10	4	2	0	1	0	0	59	14	73
80 and Over	0	0	0	0	0	0	0	13	0	3	2	0	0	0	0	0	14	4	18
Unknown	0	0	0	1	0	0	0	4	0	1	0	0	0	0	0	0	3	3	6

Figure 9a PERCENT OF DECEASED VICTIMS BY AGE AND VESSEL TYPE 2020

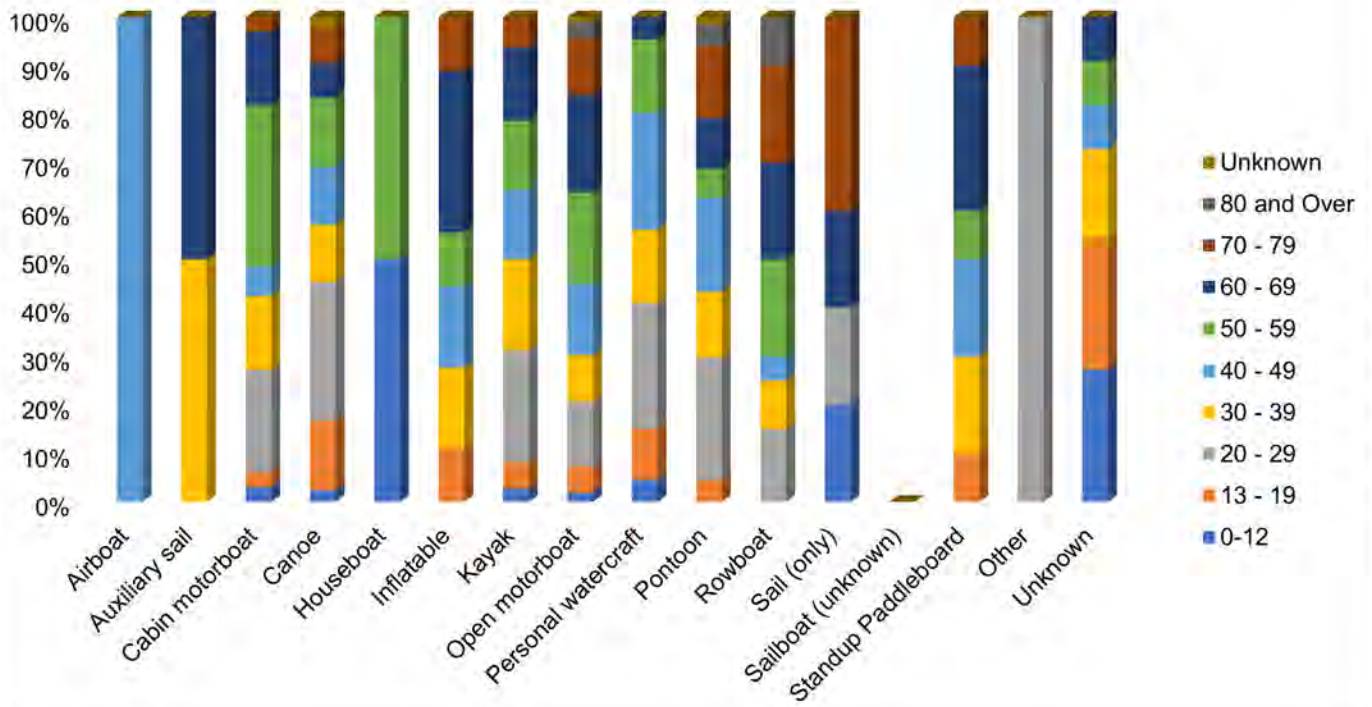


Figure 9b PERCENT OF INJURED VICTIMS BY AGE AND VESSEL TYPE 2020

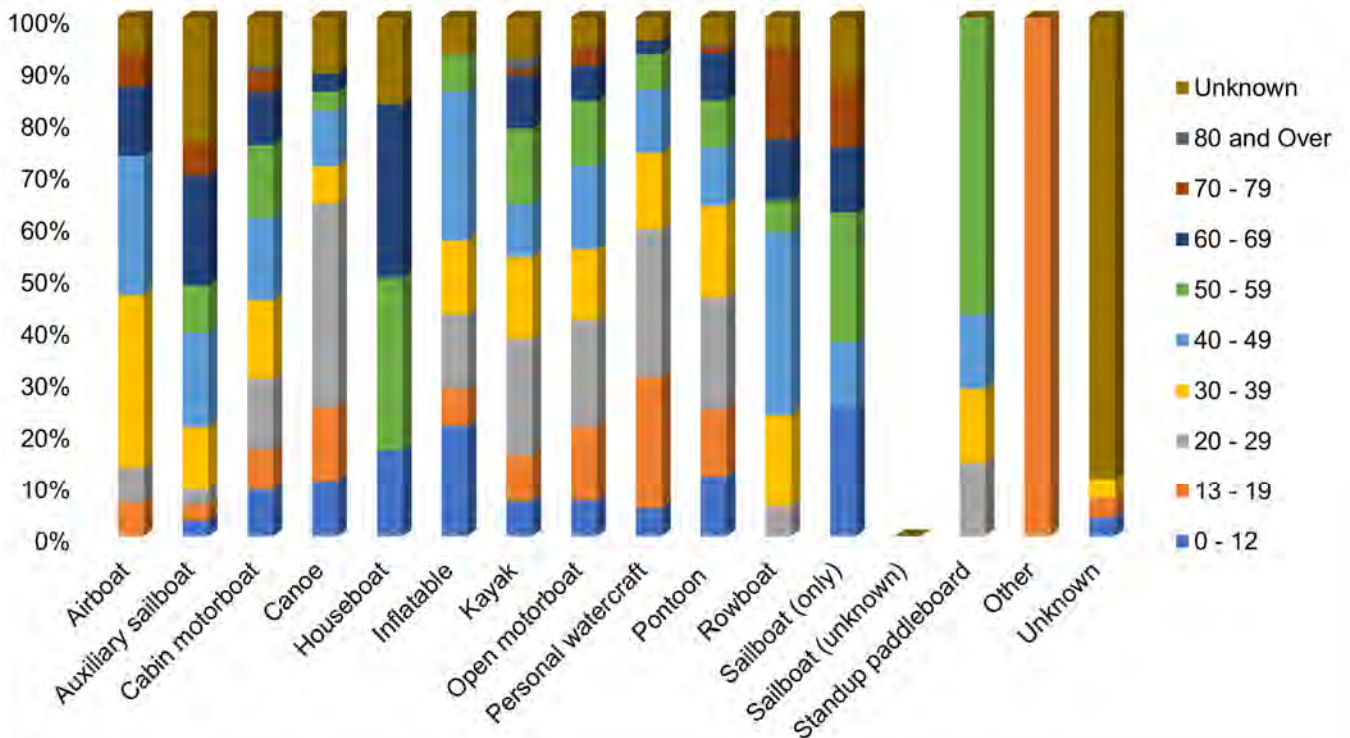
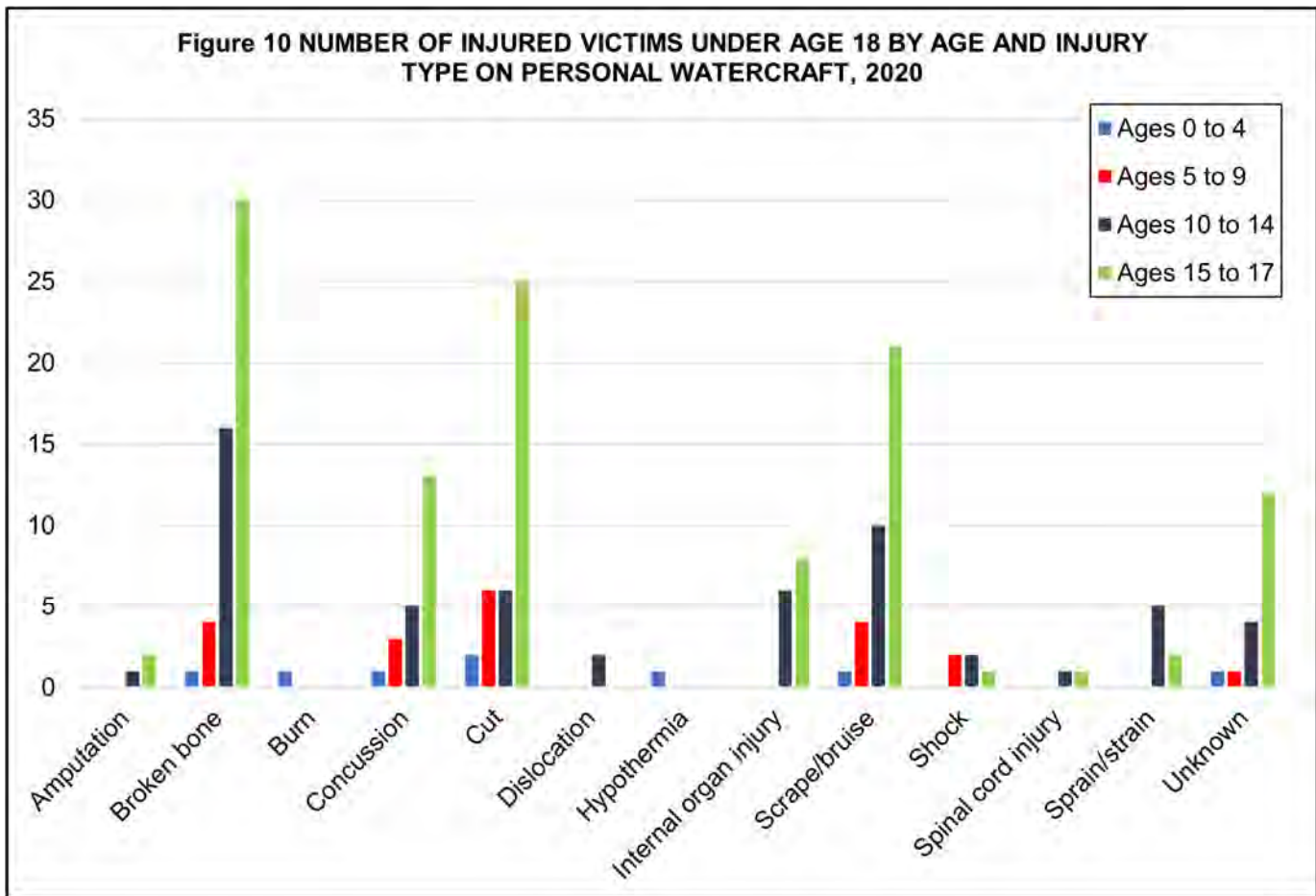


Table 27 - NUMBER OF INJURED VICTIMS BY AGE AND VESSEL TYPE 2020																	
Age of Injured Victim	Total Injuries	Airboat	Auxiliary sailboat	Cabin motorboat	Canoe	Houseboat	Inflatable	Kayak	Open motorboat	Personal watercraft	Pontoon	Rowboat	Sailboat (only)	Sailboat (unknown)	Standup paddleboard	Other	Unknown
Total	3191	15	33	298	28	6	14	89	1520	896	232	17	8	0	7	1	27
0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	7	0	0	1	0	0	0	0	3	2	1	0	0	0	0	0	0
3	17	0	0	4	1	0	0	1	8	2	1	0	0	0	0	0	0
4	11	0	0	1	0	0	0	0	4	4	2	0	0	0	0	0	0
5	17	0	0	1	1	0	0	0	8	4	3	0	0	0	0	0	0
6	20	0	0	3	0	0	0	0	11	3	3	0	0	0	0	0	0
7	12	0	0	1	0	0	1	0	5	4	1	0	0	0	0	0	0
8	25	0	0	3	0	0	0	1	8	7	6	0	0	0	0	0	0
9	16	0	0	3	1	1	1	1	5	2	1	0	0	0	0	0	1
10	26	0	1	4	0	0	0	1	12	4	3	0	1	0	0	0	0
11	33	0	0	1	0	0	0	1	21	5	4	0	1	0	0	0	0
12	41	0	0	5	0	0	1	1	20	12	2	0	0	0	0	0	0
0 - 12	226	0	1	27	3	1	3	6	106	49	27	0	2	0	0	0	1
13 - 19	515	1	1	23	4	0	1	8	218	227	30	0	0	0	0	1	1
20 - 29	694	1	1	41	11	0	2	20	311	255	50	1	0	0	1	0	0
30 - 39	458	5	4	45	2	0	2	14	208	132	41	3	0	0	1	0	1
40 - 49	459	4	6	47	3	0	4	9	244	108	26	6	1	0	1	0	0
50 - 59	340	0	3	42	1	2	1	13	188	62	21	1	2	0	4	0	0
60 - 69	202	2	7	30	1	2	0	9	104	23	21	2	1	0	0	0	0
70 - 79	72	1	2	12	0	0	0	1	48	1	3	3	1	0	0	0	0
80 and Over	9	0	0	3	0	0	0	2	3	0	1	0	0	0	0	0	0
Unknown	216	1	8	28	3	1	1	7	90	39	12	1	1	0	0	0	24

Table 28 - NATURE OF PRIMARY INJURY TYPE BY AREA OF INJURY 2020										
	All Areas	Arm	Body	Foot	Hand	Head	Leg	Neck	Trunk	Unknown
All primary injury types	3191	273	303	148	120	754	728	72	545	248
Amputation	36	1	0	6	21	0	8	0	0	0
Broken bone	610	50	0	54	33	77	225	10	149	12
Burn	147	23	14	12	5	14	37	0	11	31
Carbon monoxide	42	0	42	0	0	0	0	0	0	0
Concussion	313	0	0	0	0	313	0	0	0	0
Dislocation	60	34	0	3	1	1	16	0	2	3
Electric shock	4	0	4	0	0	0	0	0	0	0
Hypothermia	199	0	199	0	0	0	0	0	0	0
Internal organ injury	160	0	0	0	0	14	0	0	126	20
Laceration	762	71	3	51	38	247	265	7	39	41
Scrape/bruise	394	57	12	4	12	62	114	7	61	65
Shock	19	0	19	0	0	0	0	0	0	0
Spinal cord Injury	42	0	0	0	0	0	0	6	36	0
Sprain/strain	150	19	7	17	8	2	35	23	30	9
Other	2	0	0	0	0	0	1	0	1	0
Unknown	251	18	3	1	2	24	27	19	90	67



CASUALTY DATA

Explanation of Casualty Data Section

This section contains fifteen tables and figures that examine data relating to the victims in boating accidents. The following pages focus on historical casualty information, casualty-vessel information, and state-specific casualty information.

Deaths, Injuries & Accidents by Year, 2001-2020 (Figure 11 & Table 29, Page 56)

This figure and table document the number of accidents and casualties from 2001-2020.

Accident, Casualty & Damage Data by State (Table 30, Page 57)

This table provides accident, casualty, and damage information by state for the year 2020. Accidents are broken down into three levels of severity— fatal accidents, non-fatal injury accidents, and property damage only accidents. Please note that under this categorization, accidents are represented by their greatest severity. If an accident resulted in one death, two injured victims, and \$5,000 damages, the accident would be represented under the fatal accident column under the greater “Number of Accidents” heading. The death, injured victims, and damages would be represented in the totals under the “Persons Involved” and “Damages” headings.

Distribution of Recreational Boating Deaths by State (Figure 12, Page 58)

This figure provides the percentage that each state contributed to the national death count. So, for instance, Michigan had 31 deaths. Out of the total national death count of 767, Michigan contributed 4.0% ($(31/767) \times 100$) of deaths to the national count. Please note that percentages have been rounded.

Fatal Accidents by Location (Figures 12a-c, Pages 59-60)

These figures plot the location of fatal accidents in four different regions. 12a represents the continental United States and the U.S. Virgin Islands. 12b represents Alaska. 12c represents Hawaii. In many cases, the location was plotted using coordinates. When coordinates were not available, other fields such as the name of body of water, nearest city or town, county, and the narrative were used to approximate the location. The size of the plot correlates to the number of deaths in the fatal accident.

Annual Recreational Boating Fatality Rates, 2001-2020 (Figure 13 & Table 31, Page 61)

This table and accompanying figure provide two fatality rates for years 2001-2020. The fatality rate is calculated by dividing the number of fatalities by the total national vessel registration. The Coast Guard then multiplied by a factor of 100,000 to arrive at the number of deaths per 100,000 registered vessels. The fatality rate takes into account all fatalities and all recreational registration data collected. The motorized fatality rate takes into account only fatalities that occurred on motorized vessels and only motorized recreational vessels registered.

States Coded by their 2020 Fatality Rate (Figure 14, Page 62)

This figure displays states that are color-coded depending on their fatality rate which is expressed as the number of deaths that occurred in that state per 100,000 vessels that the state registered. It is important to note that not all states register the same types of vessels which could skew the fatality rates provided. Please see Table 38, Recreational Registration Data by State 2019-2020 to view the Scope of each state’s registration system. Further, when examining a state fatality rate, it is important to note that the state fatality rate may include deaths from vessels that were registered in another state.

Five-year Summary of Selected Accident Data by State, 2016-2020 (Table 32, Page 63)

This table examines the number of accidents, fatal accidents, and fatalities by state for years 2016-2020.

Number of Accidents by Primary Accident Type & State (Table 33, Page 64-65)

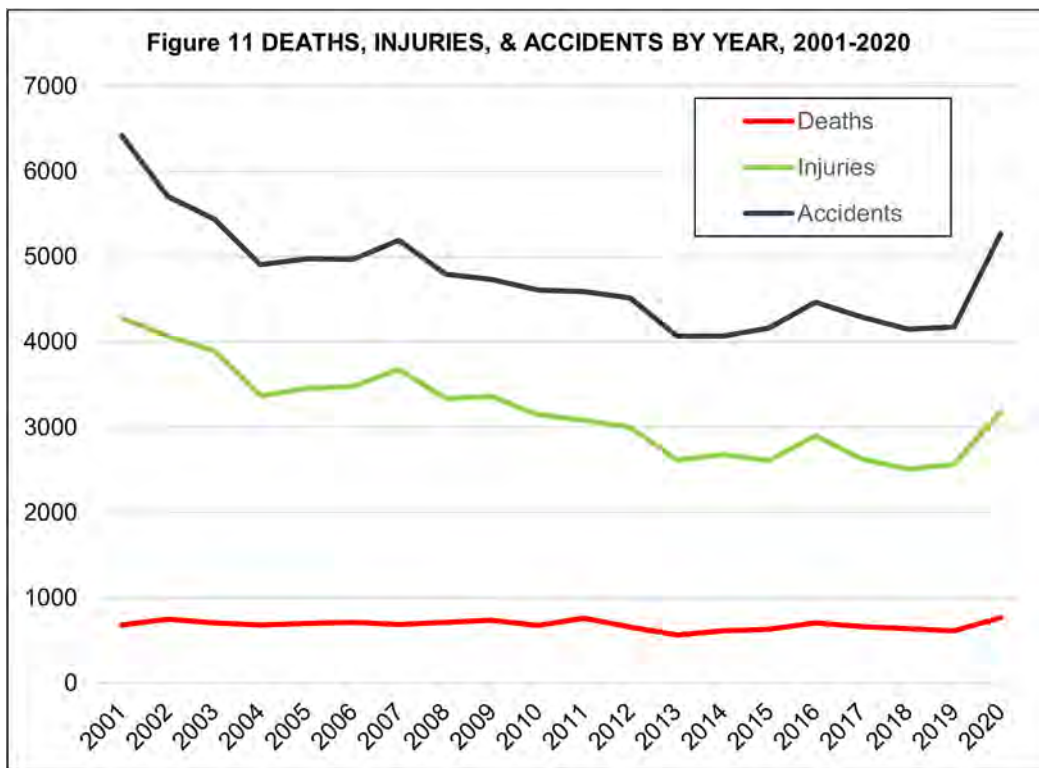
This table documents the first accident event by state. It also provides information about the total number of accidents and casualties by state.

Number of Injured Victims by Primary Injury & Vessel Type (Table 34, Page 66)

This table displays the number of injured victims by primary injury and vessel type.

Number of Fatal Victims by Life Jacket Wear, Cause of Death, & Vessel Type (Table 35, Page 66)

This table displays the number of fatal victims by vessel type and cause of death. The table also provides information on whether the deceased victim was wearing a life jacket.



Year	Deaths	Injuries	Accidents
2001*	681	4274	6419
2002	750	4062	5705
2003	703	3888	5438
2004	676	3363	4904
2005	697	3451	4969
2006	710	3474	4967
2007	685	3673	5191
2008	709	3331	4789
2009	736	3358	4730
2010	672	3153	4604
2011	758	3081	4588
2012	651	3000	4515
2013	560	2620	4062
2014	610	2678	4064
2015	626	2613	4158
2016	701	2903	4463
2017	658	2629	4291
2018	633	2511	4145
2019	613	2559	4168
2020	767	3191	5265

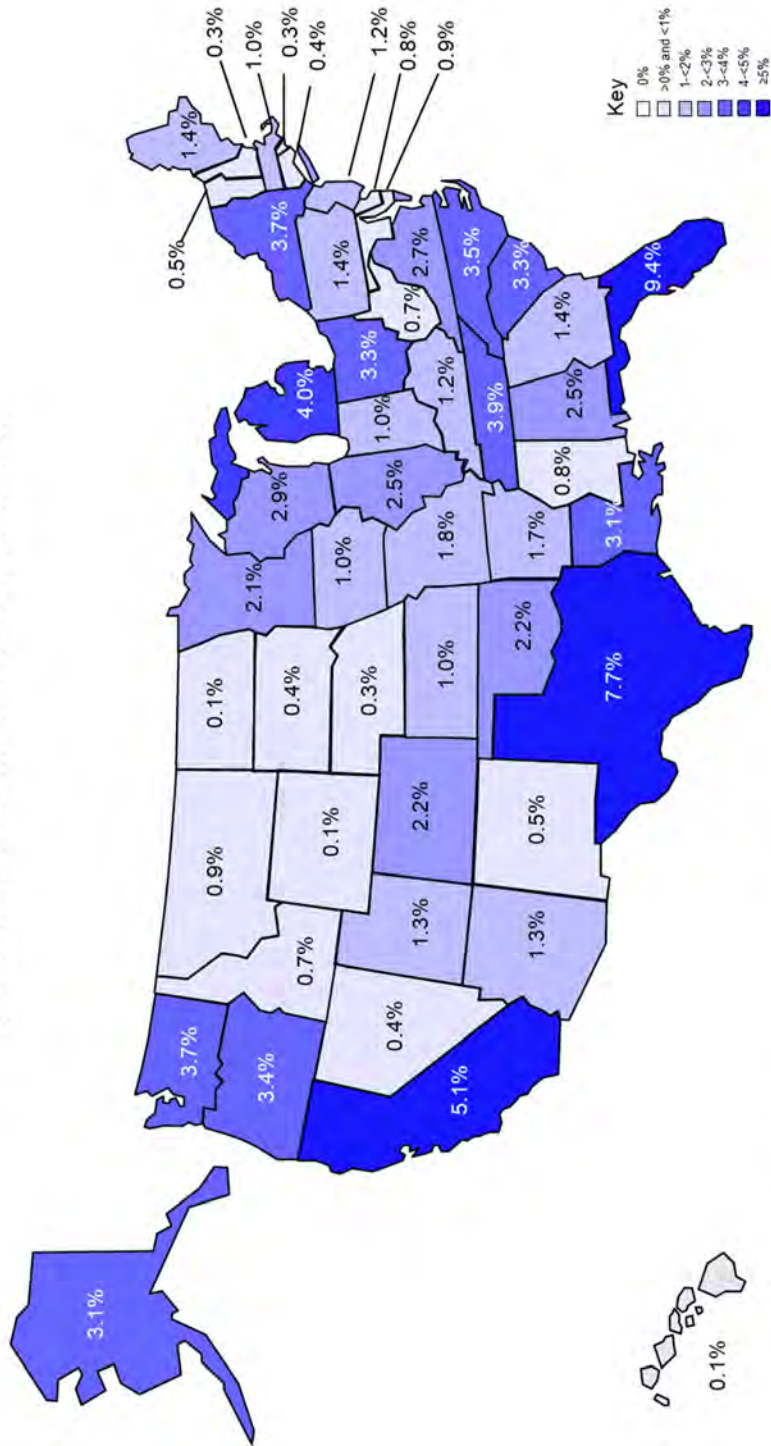
* On July 2, 2001, the Federal threshold of property damage for reports of accidents involving recreational vessels changed from \$500 to \$2000.

Table 30 • ACCIDENT, CASUALTY & DAMAGE DATA BY STATE 2020

	Number of Accidents				Persons Involved		Damages
	Total	Fatal	Non-Fatal Injury	Property Damage	Deaths	Injured	
Totals	5265	692	2240	2333	767	3191	\$62,514,773.46
AK	22	15	4	3	24	9	\$52,495.00
AL	96	12	35	49	19	56	\$1,447,141.00
AR	75	13	26	36	13	40	\$299,274.00
AZ	162	7	85	70	10	107	\$1,015,493.00
CA	493	37	236	220	39	311	\$6,940,677.00
CO	46	16	15	15	17	20	\$87,450.00
CT	54	3	18	33	3	30	\$1,283,417.50
DC	3	1	1	1	3	3	\$25,000.00
DE	19	5	5	9	6	9	\$119,199.00
FL	804	70	347	387	72	514	\$13,220,416.82
GA	107	10	54	43	11	90	\$770,737.74
HI	10	1	1	8	1	1	\$612,742.65
IA	38	7	15	16	8	23	\$239,295.50
ID	77	5	36	36	5	43	\$515,267.00
IL	85	16	30	39	19	44	\$633,645.00
IN	52	8	16	28	8	16	\$350,481.52
KS	32	8	13	11	8	14	\$66,853.00
KY	44	7	22	15	9	29	\$1,046,350.00
LA	124	23	61	40	24	105	\$1,215,643.88
MA	75	7	31	37	8	44	\$921,025.00
MD	148	6	78	64	7	103	\$2,903,781.29
ME	41	11	10	20	11	15	\$202,925.00
MI	159	29	48	82	31	74	\$2,204,036.51
MN	105	16	57	32	16	77	\$457,185.61
MO	152	13	72	67	14	100	\$1,345,127.69
MS	25	4	14	7	6	17	\$171,600.00
MT	25	7	9	9	7	13	\$178,600.00
NC	183	23	77	83	27	116	\$1,840,384.00
ND	18	1	10	7	1	13	\$122,083.91
NE	13	2	7	4	2	10	\$30,180.00
NH	59	2	23	34	2	23	\$272,472.02
NJ	135	9	53	73	9	68	\$1,548,388.00
NM	18	4	7	7	4	9	\$32,700.00
NV	66	3	36	27	3	43	\$322,764.00
NY	175	25	74	76	28	124	\$2,201,792.00
OH	163	20	57	86	25	84	\$3,546,909.93
OK	59	17	30	12	17	50	\$218,970.00
OR	91	24	30	37	26	54	\$890,098.02
PA	58	9	30	19	11	37	\$166,291.30
RI	57	2	18	37	2	33	\$1,222,870.00
SC	153	21	56	76	25	81	\$1,501,665.00
SD	25	3	8	14	3	12	\$167,715.88
TN	155	27	59	69	30	86	\$3,098,242.00
TX	281	55	114	112	59	173	\$2,216,099.20
UT	90	10	50	30	10	59	\$514,998.00
VA	102	18	43	41	21	55	\$605,513.00
VT	6	3	1	2	4	2	\$21,000.00
WA	114	26	41	47	28	52	\$1,912,684.00
WI	133	22	68	43	22	83	\$618,557.49
WV	16	5	6	5	5	14	\$60,240.00
WY	4	1	1	2	1	1	\$36,000.00
AS	0	0	0	0	0	0	\$0.00
CNMI	1	0	0	1	0	0	\$0.00
GU	0	0	0	0	0	0	\$0.00
PR	0	0	0	0	0	0	\$0.00
VI	1	1	0	0	1	0	\$0.00
Atlantic Ocean*	7	0	2	5	0	2	\$178,085.00
Gulf of Mexico*	5	1	0	4	1	0	\$223,775.00
Pacific Ocean*	4	1	0	3	1	0	\$618,435.00

*1997 was the first year statistics were compiled for accidents that occurred three or more miles offshore in the Atlantic Ocean and Pacific Ocean and nine or more miles in the Gulf of Mexico.

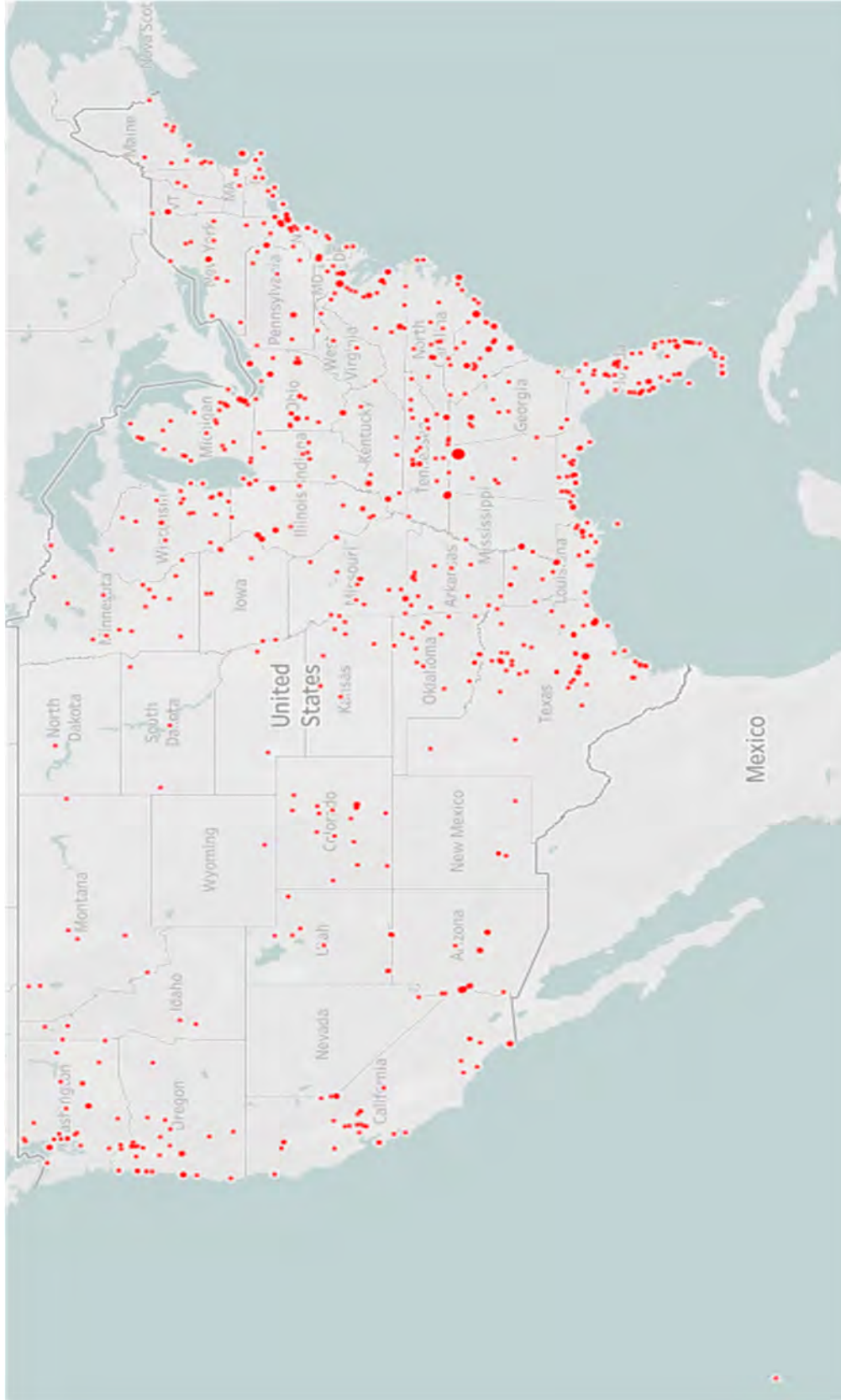
Figure 12 DISTRIBUTION OF 2020 DEATHS BY STATE



District of Columbia 0.4%
 U.S. Virgin Islands 0.1%
 Offshore 0.2%

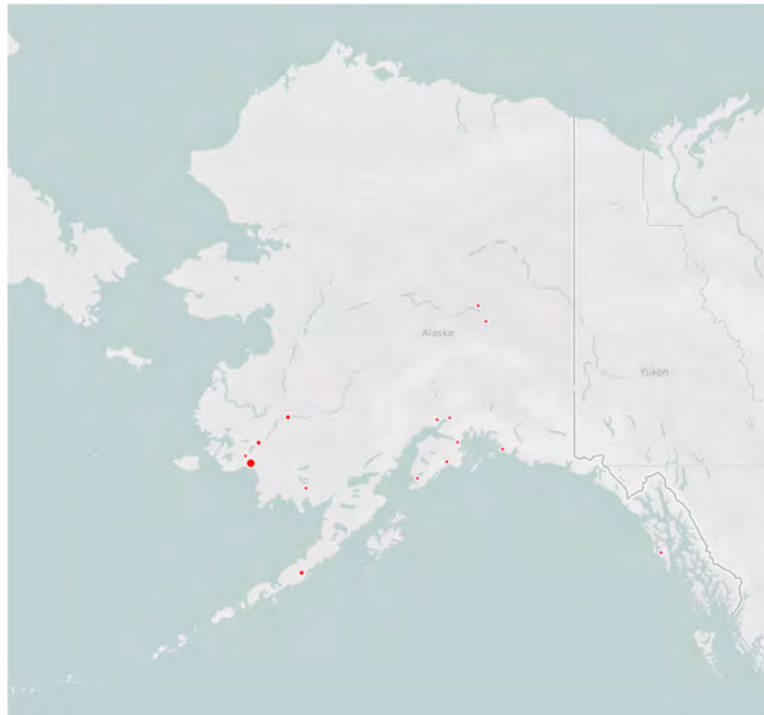
American Samoa, Guam, the Northern Mariana Islands, and Puerto Rico did not have deaths.

Figure 12a - FATAL ACCIDENTS BY LOCATION- CONTINENTAL U.S. AND U.S. VIRGIN ISLANDS



Plots represent fatal accidents; the size of the plot correlates to the number of deaths in a fatal accident. The largest plot represents eight deaths.

Figure 12b • FATAL ACCIDENTS BY LOCATION– ALASKA



Plots represent fatal accidents; the size of the plot correlates to the number of deaths in a fatal accident. The largest plot represents seven deaths.

Figure 12c • FATAL ACCIDENTS BY LOCATION– HAWAII



Plots represent fatal accidents; the size of the plot correlates to the number of deaths in a fatal accident. The largest plot represents one death.

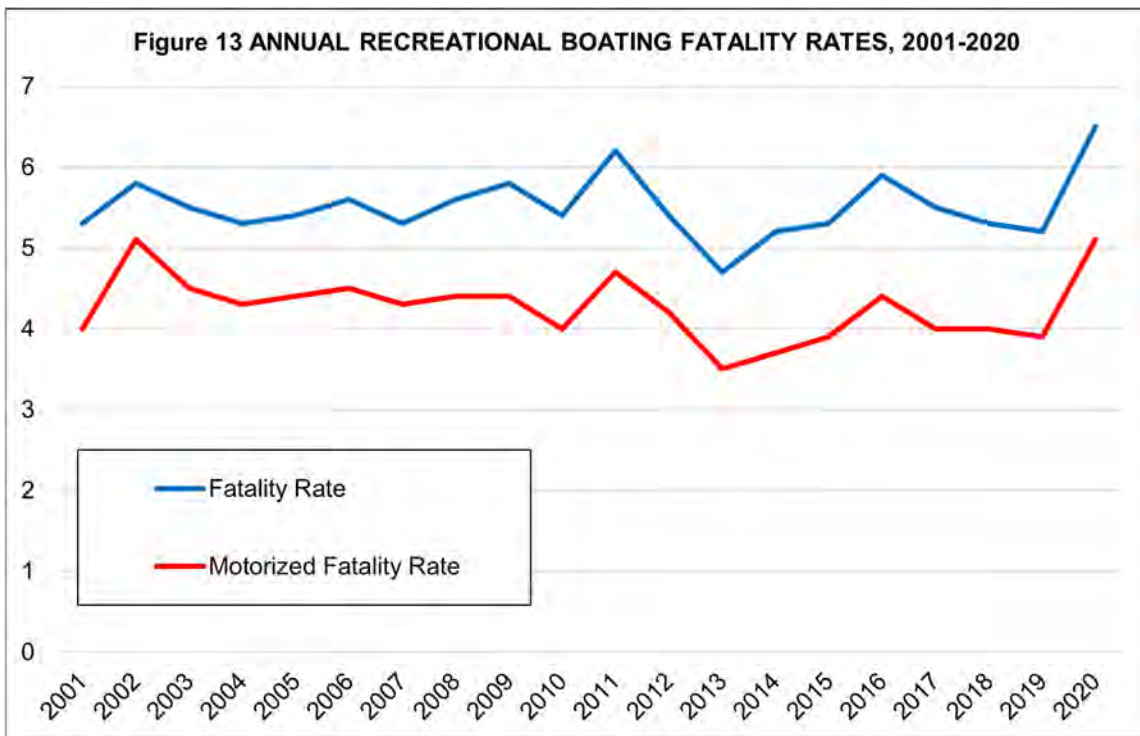
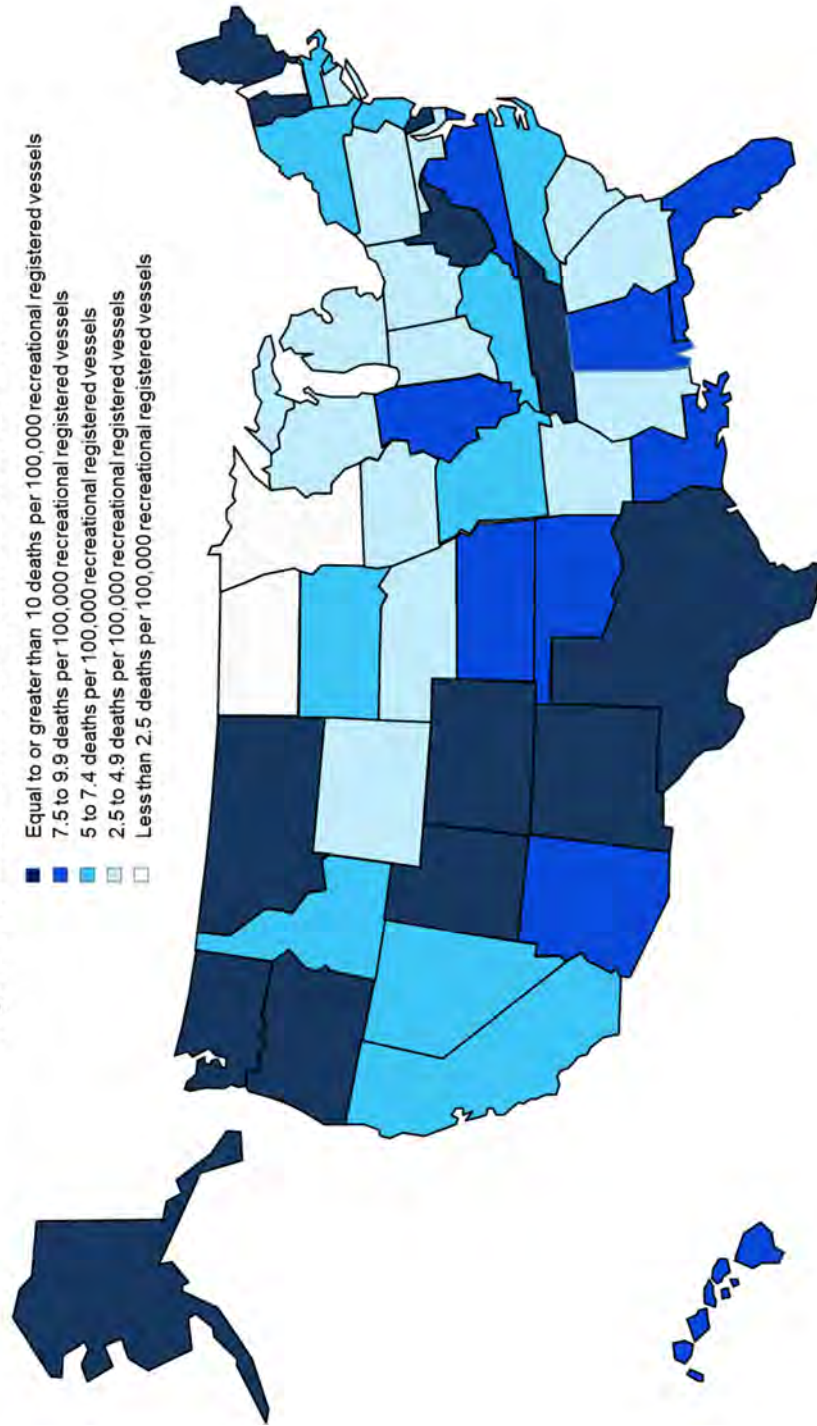


Table 31 • ANNUAL RECREATIONAL BOATING FATALITY RATES 2001-2020

	All Deaths	All Registered Vessels	Fatality Rate	Motorized Vessel Deaths	Registered Motorized Vessels	Motorized Vessel Fatality Rate
2001	681	12,876,346	5.3	484	12,100,439	4.0
2002	750	12,854,054	5.8	612	11,918,688	5.1
2003	703	12,794,616	5.5	536	11,946,576	4.5
2004	676	12,781,476	5.3	515	11,878,783	4.3
2005	697	12,942,414	5.4	528	11,998,728	4.4
2006	710	12,746,126	5.6	535	11,802,419	4.5
2007	685	12,875,568	5.3	515	11,966,627	4.3
2008	709	12,692,892	5.6	518	11,841,281	4.4
2009	736	12,721,541	5.8	522	11,834,872	4.4
2010	672	12,438,926	5.4	469	11,597,326	4.0
2011	758	12,173,935	6.2	527	11,326,848	4.7
2012	651	12,101,936	5.4	476	11,226,268	4.2
2013	560	12,013,496	4.7	391	11,128,052	3.5
2014	610	11,804,002	5.2	411	10,960,861	3.7
2015	626	11,867,049	5.3	434	11,034,479	3.9
2016	701	11,861,811	5.9	481	11,005,841	4.4
2017	658	11,961,568	5.5	440	11,090,600	4.0
2018	633	11,852,969	5.3	441	10,994,900	4.0
2019	613	11,878,542	5.2	426	11,052,684	3.9
2020	767	11,838,188	6.5	556	10,987,619	5.1

Figure 14 STATES CODED BY THEIR 2020 FATALITY RATE



Note: The fatality rate is calculated using the number of deaths in each state and the number of recreational registered vessels in each state. Please be aware that, for some states, the fatality rate includes deaths that occurred on vessels that were not registered. Further, it is important to note that the state fatality rate may include deaths from vessels that were registered in another state. Only the contiguous jurisdictions, Hawaii, and Alaska are represented on this map.

Table 32 • FIVE YEAR SUMMARY OF SELECTED ACCIDENT DATA BY STATE 2016-2020															
	Total Number of Accidents					Fatal Accidents					Deaths				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Totals	4463	4291	4145	4168	5265	624	599	565	556	692	701	658	633	613	767
Alabama	46	70	66	101	96	12	18	13	25	12	14	21	17	28	19
Alaska	26	15	22	14	22	14	13	17	8	15	19	20	22	11	24
Arizona	90	123	129	96	162	5	11	6	7	7	5	13	11	7	10
Arkansas	47	64	60	37	75	9	11	7	10	13	10	11	7	10	13
California	386	350	322	324	493	43	49	33	37	37	47	50	34	39	39
Colorado	43	32	28	44	46	11	6	6	12	16	12	6	6	12	17
Connecticut	47	49	39	40	54	3	8	4	2	3	3	9	5	2	3
Delaware	23	23	23	13	19	1	3	2	1	5	1	3	2	1	6
DC	2	1	2	2	3	0		0	0	1	0	0	0	0	3
Florida	684	723	607	679	804	59	60	54	55	70	70	66	57	62	72
Georgia	112	102	104	109	107	15	12	9	22	10	22	14	11	23	11
Hawaii	14	15	8	15	10	6	3	1	3	1	8	3	1	4	1
Idaho	50	46	44	50	77	8	13	9	7	5	10	16	10	8	5
Illinois	74	84	67	75	85	9	15	16	13	16	9	15	17	18	19
Indiana	40	57	43	40	52	6	7	8	11	8	7	8	8	16	8
Iowa	37	40	31	21	38	7	4	8	5	7	7	4	8	5	8
Kansas	32	29	22	13	32	7	2	2	2	8	7	2	2	2	8
Kentucky	46	41	41	39	44	8	12	13	9	7	8	13	13	9	9
Louisiana	112	106	95	105	124	23	19	17	18	23	24	19	19	20	24
Maine	49	49	43	35	41	9	11	4	4	11	9	13	4	4	11
Maryland	150	147	122	130	148	11	6	13	12	6	16	6	16	16	7
Massachusetts	92	66	77	79	75	13	10	10	4	7	15	10	10	5	8
Michigan	125	116	119	128	159	33	19	20	21	29	38	20	22	22	31
Minnesota	96	105	77	100	105	17	13	13	10	16	17	14	14	10	16
Mississippi	43	34	31	20	25	10	6	9	4	4	11	6	11	5	6
Missouri	137	124	122	145	152	14	10	12	18	13	16	10	14	18	14
Montana	23	9	19	13	25	5	2	9	4	7	5	2	13	5	7
Nebraska	22	27	20	19	13	2	4	4	2	2	2	4	4	2	2
Nevada	48	35	53	44	66	4	4	5	4	3	4	4	5	5	3
New Hampshire	76	49	39	37	59	8	5	4	3	2	9	5	5	4	2
New Jersey	109	106	116	110	135	4	4	5	4	9	5	4	5	4	9
New Mexico	16	18	24	13	18	2	5	2	2	4	2	5	2	2	4
New York	188	167	143	165	175	20	19	17	17	25	22	22	20	17	28
North Carolina	143	117	182	128	183	22	15	27	15	23	23	15	30	16	27
North Dakota	15	15	13	16	18	1	4	2	2	1	1	4	2	2	1
Ohio	113	117	126	128	163	12	20	15	12	20	12	20	17	13	25
Oklahoma	44	38	36	24	59	5	7	5	8	17	5	10	7	8	17
Oregon	82	60	65	62	91	17	11	16	16	24	19	12	17	18	26
Pennsylvania	55	69	63	58	58	9	15	13	8	9	11	15	14	8	11
Rhode Island	36	31	26	42	57	0	3	1	1	2	0	4	1	1	2
South Carolina	136	151	130	141	153	20	12	15	15	21	23	13	16	15	25
South Dakota	20	17	12	23	25	4	0	1	4	3	5	0	1	5	3
Tennessee	116	93	109	107	155	17	14	22	9	27	18	16	22	9	30
Texas	176	170	204	184	281	48	51	35	38	55	53	63	38	43	59
Utah	94	58	81	86	90	5	3	8	6	10	5	3	9	7	10
Vermont	4	3	6	4	6	1	3	3	3	3	1	3	3	4	4
Virginia	83	72	80	84	102	19	10	9	18	18	21	10	11	20	21
Washington	98	109	94	106	114	18	15	19	26	26	18	15	21	27	28
West Virginia	24	12	16	9	16	5	3	3	2	5	5	3	4	2	5
Wisconsin	103	105	106	82	133	16	22	15	9	22	20	25	21	9	22
Wyoming	8	10	8	11	4	3	5	1	3	1	3	5	1	3	1
AS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CNMI	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Guam	0	2	4	2	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	6	3	4	4	0	1	1	1	1	0	1	3	1	2	0
Virgin Islands	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
*AT	8	8	10	5	7	2	1	1	2	0	2	1	1	2	0
*GM	8	2	7	3	5	1	0	1	0	1	1	0	1	0	1
*PC	6	7	5	4	4	0	0	0	2	1	0	0	0	3	1

*1997 was the first year statistics were compiled for accidents that occurred three or more miles offshore in the Atlantic Ocean and Pacific Ocean and nine or more miles in the Gulf of Mexico.

Table 33 - NUMBER OF ACCIDENTS BY PRIMARY ACCIDENT TYPE & STATE 2020			
Injuries		3191	
Total deaths		767	
Other deaths		233	
Drownings		534	
Other		61	
Sudden medical condition		0	
Skier mishap		303	
Sinking		0	
Person struck by vessel		30	
Person struck by propeller		55	
Grounding		484	
Flooding/swamping		589	
Fire/explosion (unknown origin)		53	
Fire/explosion (non-fuel)		87	
Fire/explosion (fuel)		176	
Falls overboard		335	
Fall in vessel		169	
Electrocution		3	
Ejected from vessel		248	
Departed vessel		171	
Collision with submerged object		149	
Collision with recreational vessel		1379	
Collision with governmental vessel		10	
Collision with commercial vessel		15	
Collision with floating object		82	
Collision with fixed object		542	
Carbon monoxide		15	
Capsizing		309	
Total accidents		5265	
Totals		5265	3191
AK		22	9
AL		96	56
AR		75	40
AZ		162	107
CA		493	311
CO		46	20
CT		54	30
DC		3	3
DE		19	9
FL		804	514
GA		107	90
HI		10	1
IA		38	23
ID		77	43
IL		85	44
IN		52	16
KS		32	14
KY		44	29
LA		124	105
MA		75	44
MD		148	103
ME		41	15
MI		159	74
MN		105	77
MO		152	100
MS		25	17
MT		25	13
NC		183	116
ND		18	13

Table 33 Continued - NUMBER OF ACCIDENTS BY PRIMARY ACCIDENT TYPE & STATE 2020	
Injuries	10
Total deaths	23
Other deaths	68
Drownings	9
Other	4
Sudden medical condition	43
Skier mishap	124
Sinking	84
Person struck by vessel	50
Person struck by propeller	54
Grounding	37
Flooding/swamping	11
Fire/explosion (unknown origin)	33
Fire/explosion (non-fuel)	81
Fire/explosion (fuel)	12
Falls overboard	3
Fall in vessel	12
Electrocution	8
Ejected from vessel	25
Departed vessel	11
Collision with submerged object	86
Collision with recreational vessel	173
Collision with governmental vessel	59
Collision with commercial vessel	10
Collision with floating object	55
Collision with fixed object	4
Carbon monoxide	2
Capsizing	4
Total accidents	13
NE	0
NH	5
NJ	4
NM	0
NV	2
NY	17
OH	10
OK	3
OR	12
PA	10
RI	6
SC	9
SD	1
TN	4
TX	14
UT	2
VA	102
VT	6
WA	114
WI	133
WV	16
WY	4
AS	0
CNMI	1
GU	0
PR	0
VI	1
AT	7
GM	5
PC	4

Table 34 - NUMBER OF INJURED VICTIMS BY PRIMARY INJURY & VESSEL TYPE

Primary Injury	Number of Injuries	Airboat	Auxiliary sailboat	Cabin motorboat	Canoe	Houseboat	Inflatable	Kayak	Open motorboat	Personal watercraft	Pontoon	Rowboat	Sailboat (only)	Sailboat	Standup	Other	Unknown
Amputation	36	0	0	1	0	0	0	0	21	8	6	0	0	0	0	0	0
Broken bone	610	5	4	41	0	1	0	4	240	278	36	0	0	0	0	0	1
Burns	147	0	5	61	0	2	0	0	64	12	0	0	0	0	0	0	3
Carbon monoxide	42	0	0	29	0	0	0	0	12	1	0	0	0	0	0	0	0
Concussion	313	0	3	17	1	0	2	10	153	100	17	0	1	0	0	0	9
Dislocation	60	0	2	3	2	0	2	1	30	16	3	1	0	0	0	0	0
Electric shock	4	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0
Hypothermia	199	1	5	10	18	0	6	45	92	4	3	10	3	0	2	0	0
Internal organ injury	160	1	3	8	1	0	0	11	61	58	14	0	1	0	1	0	1
Laceration	762	2	3	56	2	3	0	4	422	161	101	3	1	0	2	1	1
Scrape/bruise	394	3	3	24	2	0	0	8	189	137	23	2	2	0	1	0	0
Shock	19	0	0	0	0	0	0	0	6	7	5	0	0	0	0	0	1
Spinal cord injury	42	1	1	1	0	0	0	0	24	10	5	0	0	0	0	0	0
Sprain/strain	150	1	0	6	2	0	4	2	91	37	5	0	0	0	1	0	1
Other	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Unknown	251	1	4	39	0	0	0	3	112	67	14	1	0	0	0	0	10
All Injuries	3191	15	33	298	28	6	14	89	1520	896	232	17	8	0	7	1	27

Table 35 - NUMBER OF FATAL VICTIMS BY LIFE JACKET WEAR, CAUSE OF DEATH & VESSEL TYPE 2020

Cause of Death	Life jacket worn?	Number of deaths	Airboat	Auxiliary sailboat	Cabin motorboat	Canoe	Houseboat	Inflatable	Kayak	Open motorboat	Personal watercraft	Pontoon	Rowboat	Sailboat (only)	Sailboat (unknown)	Standup paddleboard	Other	Unknown
Carbon monoxide	Yes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	No	3	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cardiac arrest	Yes	4	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0
	No	6	0	0	0	0	0	0	1	3	0	2	0	0	0	0	0	0
	Unknown	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Drowning	Yes	74	0	1	3	3	0	6	22	25	8	0	1	1	0	4	0	0
	No	450	1	0	13	33	0	12	70	231	11	52	16	2	0	6	2	1
	Unknown	10	0	0	0	0	0	0	3	4	0	1	2	0	0	0	0	0
Hypothermia	Yes	5	0	0	2	1	0	0	1	0	1	0	0	0	0	0	0	0
	No	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	Yes	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	No	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trauma	Yes	57	0	0	1	0	0	0	0	18	36	1	0	1	0	0	0	0
	No	88	0	0	6	0	2	0	0	61	5	6	0	0	0	0	0	8
	Unknown	7	0	0	3	0	0	0	0	2	1	1	0	0	0	0	0	0
Unknown	Yes	9	0	1	0	0	0	0	4	1	2	0	0	1	0	0	0	0
	No	40	0	0	3	3	0	0	8	23	0	3	0	0	0	0	0	0
	Unknown	9	0	0	0	2	0	0	0	3	0	1	1	0	0	0	0	2
All Causes		767	1	2	33	42	2	18	112	376	66	67	20	5	0	10	2	11

REGISTRATION DATA

Explanation of Registration Data Section

The following section contains five tables and figures that examine boat registration information. Registered vessels are those vessels that are required to be recorded by a state, which includes numbered vessels and other forms of registration. Not all states have the same registration requirements. While some states may only register vessels with a motor, others may register sailboats, canoes, kayaks, and rowboats in addition to those vessels with a motor.

Recreational Vessel Registration by Year, 1986-2020 (Table 36 & Figure 15, Page 69)

This table provides information about recreational vessel registration for each year from 1986-2020. The accompanying figure displays a trend line from 1986-2020.

Recreational Vessel Registration by Length & Means of Propulsion (Table 37, Page 70)

The top section of the table provides tallies for the number of mechanically-propelled vessels, the number of manually-propelled vessels, and a summation of these two categories. The middle section of the table documents mechanically-propelled vessel registration by length category. The bottom section of the table focuses on manually-propelled vessels.

Registration Data by State (Table 38, Page 71)

This table examines recreational vessel registration, deaths, and fatality rates by state for years 2019 and 2020. The fatality rate is calculated by dividing the number of fatalities by the total vessel registration. The Coast Guard then multiplied by a factor of 100,000 to arrive at the number of deaths per 100,000 registered vessels. When examining a state fatality rate, it is important to note that the state fatality rate may include deaths from vessels that were registered in another state. This table also specifies the scope of the state's registration program.

Distribution of 2020 Recreational Vessel Registration by State (Figure 16, Page 72)

This figure provides the percentage that each state contributed to national registration figures. So, for instance, California registered 645,951 vessels. Out of the total national registration of 11,838,188 California contributed 5.5% $((645,951/11,838,188) \times 100)$ of registered vessels. Please note that percentages have been rounded.

Table 36 - RECREATIONAL VESSELS REGISTERED BY YEAR, 1986-2020	
Year	Registered Vessels
1986	9,876,197
1987	9,963,696
1988	10,362,613
1989	10,777,370
1990	10,996,253
1991	11,068,440
1992	11,132,386
1993	11,282,736
1994	11,429,585
1995	11,734,710
1996	11,877,938
1997	12,312,982
1998	12,565,930
1999	12,738,271
2000	12,782,143
2001	12,876,346
2002	12,854,054
2003	12,794,616
2004	12,781,476
2005	12,942,414
2006	12,746,126
2007	12,875,568
2008	12,692,892
2009	12,721,541
2010	12,438,926
2011	12,173,935
2012	12,101,936
2013	12,013,496
2014	11,804,002
2015	11,867,049
2016	11,861,811
2017	11,961,568
2018	11,852,969
2019	11,878,542
2020	11,838,188

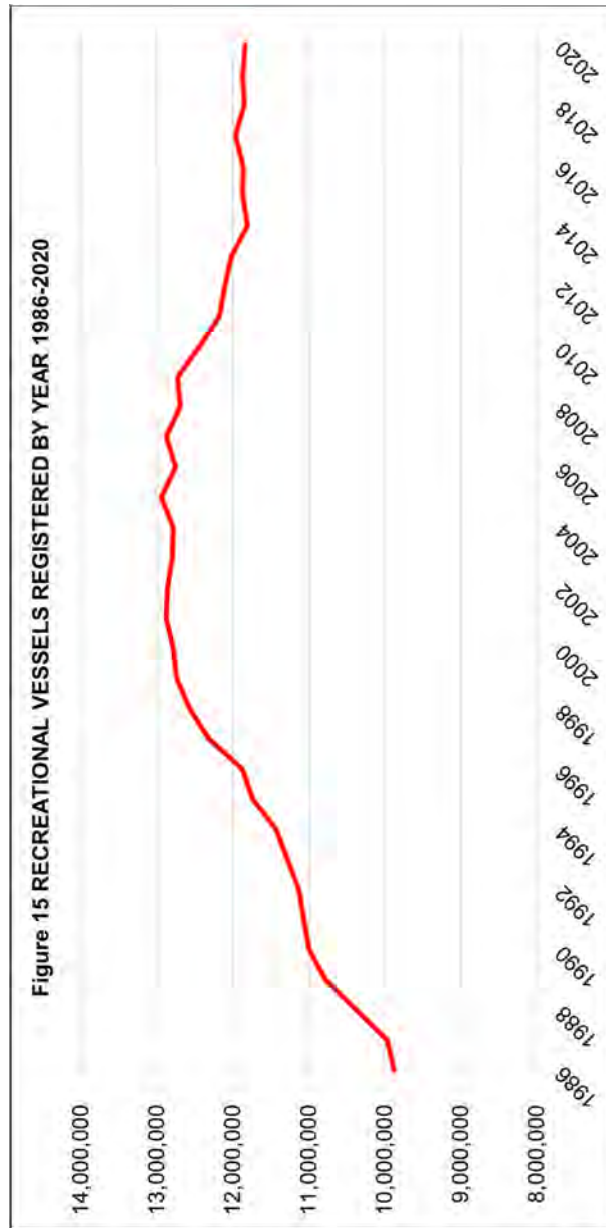


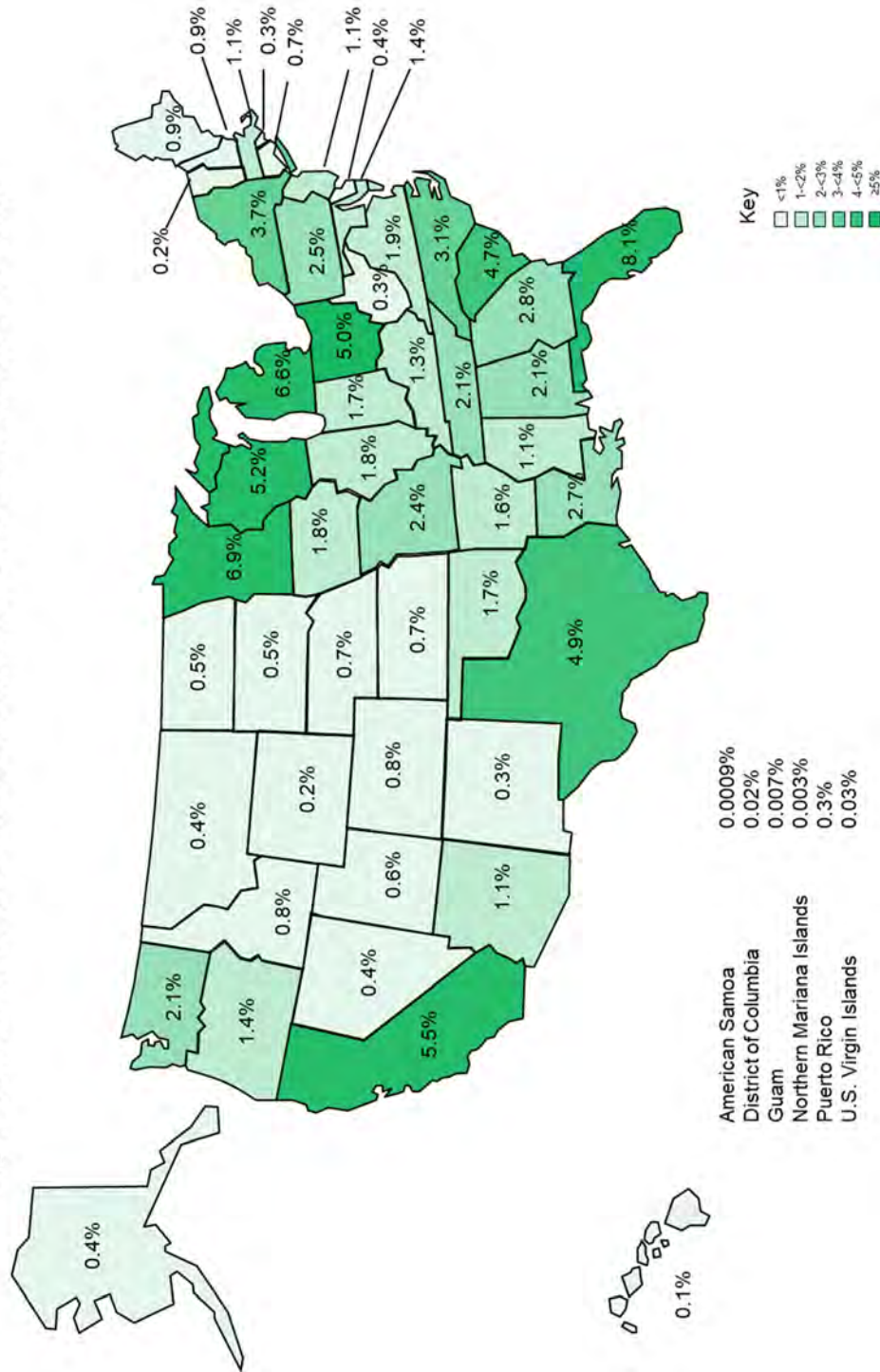
Table 37 • RECREATIONAL VESSEL REGISTRATION BY LENGTH AND MEANS OF PROPULSION 2020	
MECHANICALLY PROPELLED	
	10,987,619
Under 16 feet	3,947,119
16 to less than 26 feet	6,452,583
26 to less than 40 feet	505,104
40 to 65 feet	71,610
Over 65 feet	11,203
NOT MECHANICALLY PROPELLED	
	850,569
Rowboats	69,348
Sailboats	94,500
Paddlecraft	568,466
Other	118,255
TOTAL	11,838,188

Table 38 • RECREATIONAL VESSEL REGISTRATION DATA BY STATE 2019-2020

	2020			2019			Scope of Current Boat Registration System
	Registration	Deaths	Fatality Rate	Registration	Deaths	Fatality Rate	
	11,838,188	767	6.5	11,878,542	613	5.2	
AK	48,011	24	50	50,788	11	21.7	All motorboats; non-motorized is voluntary
AL	248,260	19	7.7	245,636	28	11.4	All motorboats, sailboats and rental boats
AR	185,378	13	7	160,932	10	6.2	All watercraft
AZ	129,276	10	7.7	124,055	7	5.6	All motorized watercraft
CA	645,951	39	6	711,173	39	5.5	All motorboats; sailboats over 8 feet in length
CO	94,385	17	18	85,001	12	14.1	All watercraft powered by motor or sail; sailboards exempt
CT	86,816	3	3.5	91,791	2	2.2	All motorboats; sailboats 19.5 feet or more in length
DC	1,780	3	168.5	2,048	0	0.0	All watercraft
DE	52,711	6	11.4	52,740	1	1.9	All motorboats; non-motorized is voluntary
FL	959,816	72	7.5	935,742	62	6.6	All motorboats; all non-motorized vessels over 16 feet in length
GA	330,270	11	3.3	331,481	23	6.9	All motorboats; sailboats 10 feet or more in length
HI	12,355	1	8.1	12,100	4	33.1	All motorboats
IA	215,321	8	3.7	196,965	5	2.5	All watercraft with exceptions (a)
ID	90,290	5	5.5	88,450	8	9.0	All motorboats and sailboats
IL	216,175	19	8.8	233,788	18	7.7	All motorboats on public waterways
IN	202,093	8	4	208,599	16	7.7	All motorboats on public waterways
KS	84,468	8	9.5	80,356	2	2.5	All motorboats and sailboats
KY	156,800	9	5.7	166,760	9	5.4	All motorboats, except electric motors 1 hp or less
LA	317,711	24	7.6	316,439	20	6.3	All motorboats; sailboats more than 12 feet in length
MA	131,030	8	6.1	132,106	5	3.8	All motorboats
MD	169,902	7	4.1	169,891	16	9.4	All motorboats
ME	108,721	11	10.1	112,396	4	3.6	All motorboats
MI	785,993	31	3.9	806,296	22	2.7	All watercraft with exceptions (b)
MN	819,377	16	2	813,955	10	1.2	All watercraft with exceptions (c)
MO	287,820	14	4.9	289,416	18	6.2	All motorboats; sailboats over 12 feet in length
MS	128,076	6	4.7	125,252	5	4.0	All motorboats and sailboats
MT	51,207	7	13.7	72,480	5	6.9	All motorboats
NC	370,780	27	7.3	361,970	16	4.4	All motorboats; sailboats more than 14 feet in length
ND	57,806	1	1.7	66,961	2	3.0	All motorboats; non-motorized is voluntary
NE	79,034	2	2.5	78,212	2	2.6	All motorboats
NH	101,312	2	2	96,006	4	4.2	All motorboats; sailboats 12 feet or more in length
NJ	133,463	9	6.7	147,618	4	2.7	All watercraft with exceptions (d)
NM	30,918	4	12.9	32,005	2	6.2	All motorboats and sailboats
NV	41,627	3	7.2	41,522	5	12.0	All motorboats; non-motorized is voluntary
NY	433,457	28	6.5	440,381	17	3.9	All motorboats
OH	593,422	25	4.2	586,159	13	2.2	All watercraft
OK	199,129	17	8.5	194,966	8	4.1	All watercraft with exceptions (e)
OR	164,838	26	15.8	165,253	18	10.9	All motorboats; sailboats 12 feet or more in length
PA	301,450	11	3.6	301,287	8	2.7	All motorboats and certain non-powered craft (f)
RI	38,406	2	5.2	38,836	1	2.6	All motorboats and rowboats over 12 feet
SC	556,226	25	4.5	567,443	15	2.6	All watercraft
SD	60,557	3	5	57,825	5	8.6	All motorboats; all other boats over 12 feet in length
TN	246,190	30	12.2	245,991	9	3.7	All motorboats and sailboats
TX	577,144	59	10.2	563,820	43	7.6	All motorboats and sailboats 14 feet or more in length
UT	68,559	10	14.6	64,949	7	10.8	All motorboats and sailboats
VA	230,195	21	9.1	221,629	20	9.0	All motorboats
VT	26,641	4	15	28,333	4	14.1	All motorboats
WA	254,280	28	11	241,760	27	11.2	All motorboats with exceptions (g); sailboats >16 ft in length
WI	620,812	22	3.5	607,211	9	1.5	All motorboats & sailboats over 12 feet in length
WV	31,018	5	16.1	56,297	2	3.6	All motorboats
WY	26,022	1	3.8	25,659	3	11.7	All motorboats
AS	108	0	0	75	0	0.0	All watercraft
CNMI	307	0	0	402	0	0.0	All motorboats
GU	853	0	0	911	0	0.0	All motorboats
PR	29,624	0	0	25,352	2	7.9	All motorboats; vessels adapted to hold a motor
VI	4,017	1	24.9	3,073	0	0.0	All watercraft
Offshore		2			5		

(a) IA excludes inflatables under 7 feet in length and canoes/kayaks under 13 feet in length. (b) MI excludes manually propelled boats 16 feet or less in length, and privately-owned non-motorized rafts, canoes, and kayaks. (c) MN excludes non-motorized boats 10 feet or less in length, duckboats during duckhunting season, riceboats during harvest season, and seaplanes. (d) NJ excludes non-motorized boats less than 12 feet in length and canoes and kayaks. (e) OK excludes canoes, kayaks, and pedal boats. (f) PA registers non-powered craft using lakes or access areas owned by the State Fish & Boat Commission. (g) WA excludes motorboats < 16 feet with motors 10 horsepower or less used solely on exclusive state waters.

Figure 16 DISTRIBUTION OF 2020 RECREATIONAL VESSEL REGISTRATION BY STATE



DEPARTMENT OF HOMELAND SECURITY
U.S. Coast Guard
RECREATIONAL BOATING ACCIDENT REPORT

OMB Control Number: 1625-0003

Expires: 07/31/2022

INSTRUCTIONS: Use "Report required because" section below to determine if a report is required for your accident. If required, please have each vessel owner or operator involved in the accident submit a report to their state reporting authority. Each boat operator/owner involved in an accident should submit a separate report. For each question below, please provide answers if applicable and if known; otherwise leave blank.

Privacy Act Notice

Authority: 46 U.S.C. 6102 and 33 CFR 173 & 174 authorize the collection of information on boating accidents.
Purpose: The Coast Guard uses this information for statistical purposes, chiefly to inform the public, to measure the Program's efforts, and to regulate issues relating to boating safety.
Routine Uses: The Coast Guard shares this information within the agency, and if state and federal law permit it, to the public.

REPORT SUBMISSION

Report required because (select all that apply):

- At least one person in this accident *died*: If so, how many? _____
- At least one injured person in this accident *required or was in need of treatment beyond first aid*: If so, how many? _____
- At least one person in this accident *disappeared* and has not yet been recovered: If so, how many? _____
- All boat and other property *damage (e.g., fishing/hunting gear)* caused by this accident *totaled (or likely totaled)* \$2,000 or more:
 Approximate value of damage to *your* boat: \$ _____
 Approximate value of damage to *your* other property: \$ _____
- Your or another *boat* in this accident was (or likely was) a *total loss*

Report submitted by (select all that apply):

- Boat Operator (required if possible)
- Boat Owner (if operator unable, or same as operator)
- Other (describe): _____

To be submitted within:

48 hours (if injury, disappearance or death)
 10 days (if boat/property damage only)

To be submitted to: (Local State Reporting Authority)

Phone:

You may submit any comments concerning the accuracy of the burden estimate or any suggestions for reducing the burden to: Commandant CG-BSX-21, U.S. Coast Guard, Washington, DC 20593-0001 or Office of Management and Budget, Paperwork Reduction Project 1625-0003, Washington, DC 20503. Questions relating to the collection of this data should be sent to the Coast Guard.

For State Agency Use Only

First Name	Last Name
------------	-----------

Phone:

First Name	Last Name	Phone
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Primary Cause of Accident

ACCIDENT SUMMARY

WHEN	ACCIDENT DESCRIPTION: Briefly describe this accident (attach extra pages if necessary)
Date: _____ Time: _____ am <input type="checkbox"/> pm <input type="checkbox"/> (mm/dd/yyyy) (select one)	
WHERE	
Body of Water Name	
Location (on water) description	
Nearest city/town	DAMAGE TO YOUR BOAT: Briefly summarize any damage to your boat
County: _____ State: _____	
YOUR BOAT – PEOPLE	
# people on board (including operator): _____	DAMAGE TO YOUR OTHER PROPERTY: (NOT BOAT) Briefly summarize any damage to your other property (not boat)
# people being towed (e.g., on tubes, skis): _____	
# people wearing lifejackets (on board or towed): _____	
OTHER BOATS INVOLVED IN ACCIDENT	
# of other boats involved: _____	

For each question below, please provide answers IF APPLICABLE AND IF KNOWN, otherwise leave blank.

YOUR BOAT

BOAT IDENTIFICATION

Your Boat Name:				Manufacturer:			
Model Name:				Model Year:			
Registration #:				Documentation #:			
Hull Identification # (HIN)				Rented: <input type="checkbox"/> Yes <input type="checkbox"/> No			

SIZE ESTIMATES

Length: ft.	Depth from transom (stern to keel (bottommost point): ft.	in.	Beam width at widest point: ft.
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HULL MATERIAL

Type of Hull Material (select one)

Fiberglass	Wood	Rubber/vinyl/canvas	Other describe):
Aluminum	Steel	Plastic	

BOAT TYPE

Boat Type (select one)				Available Propulsion (select all that apply)			
Cabin motorboat	Inflatable	Canoe	Personal watercraft (PWC) e.g., Wave Runner™, Jet Ski™, Sea-Doo™	Propeller	Air thrust		
Open motorboat	Houseboat	Rowboat		Sail	Other describe):		
Auxiliary sail	Sail (only)	Air boat		Manual			
Pontoon boat	Kayak			Water jet			

ENGINE

# Engines	Engine type and horsepower (select one)				Fuel type (select all that apply)			
Manufacturer	Outboard	Sterndrive (I/O)	Inboard	None	Gasoline	Diesel	Electric	
Total horsepower: hp								

SAFETY MEASURES

Organizations that have conducted a vessel safety check (VSC) on board your boat within the past year (including carriage of safety equipment, e.g., lifejackets, anchor and line, fire extinguishers):

US Coast Guard Auxiliary: VSC Decal? <input type="checkbox"/> Yes <input type="checkbox"/> No	Federal Agency Name)
US Power Squadrons: VSC Decal? <input type="checkbox"/> Yes <input type="checkbox"/> No	State Agency (Name)
	Other Agency Name)

# Life jackets on board:	# Fire extinguishers on board:	Type of fire extinguishers e.g., ABC):
	# Fire extinguishers used:	Amount of fire extinguishers used:

ACCIDENT DETAILS – EXTERNAL CONDITIONS

WEATHER

Overall weather was (select one)	It was (select one)	Visibility was (select one)	Wind was (select one)
Clear	Raining	Day	Good
Cloudy	Snowing	Night	Fair
Foggy	Hazy		Poor
Other describe):	Approximate air temperature:	°F	Over 25, up to 55 mph (strong)
			Over 55 mph (stormy)

WATER

Overall water conditions (select one):	Other water conditions:		
Up to 6 in. waves (calm)	Approximate water temperature:		°F
Over 6 in., up to 2 ft. waves (choppy)	Strong current?		Yes <input type="checkbox"/> No <input type="checkbox"/>
Over 2 ft., up to 6 ft. waves (rough)	Hazardous waters? (e.g., rapid tidal flow, currents)		Yes <input type="checkbox"/> No <input type="checkbox"/>
Over 6 ft. waves (very rough)	Congested waters?		Yes <input type="checkbox"/> No <input type="checkbox"/>

For each question below, please provide answers IF APPLICABLE AND IF KNOWN, otherwise leave blank.

ACCIDENT DETAILS – ACTIVITIES AND OPERATIONS ON YOUR BOAT

OPERATOR/PASSENGER ACTIVITIES

Operator/passenger activities on your boat at time of accident:

Activities were (select one) Operator/Passenger activities (select all that apply)

Recreational	Fishing	Tubing	Starting engine
Commercial	Hunting	Water Skiing	Making repairs
	White water activity (e.g., rafting)	Relaxing	Other (list):

BOAT OPERATIONS

Your boat operations at time of accident (select all that apply)

Cruising (underway under power)	Drifting	Racing	Towing another vessel
Changing direction	At anchor	Rowing/paddling	Launching
Changing speed	Being towed	Docking/undocking	Tied to dock/mooring
Sailing	Other (list)		

ACCIDENT DETAILS – CONTRIBUTING FACTORS ON YOUR BOAT

CONTRIBUTING FACTORS

Indicate factors on your boat which may have contributed to this accident (select all that apply)

Alcohol use	Improper lookout	Dam/lock	Starting in gear
Drug use	Operator inattention	Force of wake/wave	Sharp turn
Excessive speed	Operator inexperience	Hazardous waters	Restricted vision (e.g., fog)
Improper anchoring	Language barrier	Heavy weather	Mission/inadequate aids to navigation e.g., buoy, daymarker)
Improper loading	Navigation rules violation	Ignition of fuel or vapor	Inadequate on-board navigation lights
Overloading	Failure to vent	Hull failure	People on gunwale, bow or transom
Other describe):			

ACCIDENT DETAILS – YOUR BOAT

MACHINERY/EQUIPMENT FAILURE

Failure of the following machinery/equipment on your boat contributed to this accident select all that apply

Engine	Onboard lights	Shift	Sound equipment e.g., horn, whistle
Electrical system	Seats	Radio	Auxiliary equipment
Fuel system	Steering	Fire extinguisher	Other (list):
Sail/mast	Throttle	Ventilation	
Onboard navigation aids (e.g., GPS)			

ACCIDENT DETAILS – EVENTS ON YOUR BOAT

ACCIDENT EVENTS

Types of events occurring to/on your boat during accident select all that apply

Collision with recreational boat	Flooding/swamping	Person fell overboard
Collision with commercial boat (e.g., tug, barge)	Fire/explosion - fuel	Person fell on/within boat
Collision with fixed object e.g., dock, bridge)	Fire/explosion - non-fuel	Sudden medical condition
Collision with submerged object (e.g., stump, cable)	Carbon monoxide exposure	Person struck by boat
Collision with floating object (e.g., log, buoy)	Mishap of skier, tuber, wake boarder, etc.	Person struck by propeller or propulsion unit
Capsizing	Person left boat voluntarily	Person electrocuted
Grounding	Person ejected from boat caused by collision or maneuver)	
Sinking	Other describe)	

USCG Boating Accident Report Form

For each question below, please provide answers IF APPLICABLE AND IF KNOWN, otherwise leave blank.

**ACCIDENT DETAILS –YOUR BOAT-
INJURED PEOPLE RECEIVING OR IN NEED OF TREATMENT BEYOND FIRST AID**

Report only injured people on, struck by, or being towed by *Your boat*, receiving or in need of treatment beyond first aid. Do not report injured people on, struck by, or being towed by *another boat or no boat* (e.g., swimmers, people on a dock). If more than one injured person to report, attach additional copies of this page. If none, SKIP INJURED PEOPLE section.

First Name	MI	Last Name
Street		
City	State	Zip
Phone	Date of Birth <i>mm!dd!YYYY</i>)	Age

Injury caused when person <i>select all that apply</i>)				Nature of most serious injury <i>(select one)</i>			
Struck the (e.g., boat, water):				Scrape/bruise		Dislocation	
Was struck by a (e.g., boat, propeller):				Cut		Internal organ injury	
Was exposed to carbon monoxide poisoning				Sprain/strain		Amputation	
Received an electric shock				Concussion/brain injury		Burn	
Other <i>describe</i>):				Spinal cord injury		Other <i>describe</i>):	
Person was wearing lifejacket?		Yes	No	Broken/fractured bone			
Person received treatment beyond first aid?		Yes	No	Body part of <i>most serious injury</i> (e.g., head, trunk, leg):			
Person was admitted to a hospital?		Yes	No				

ACCIDENT DETAILS – YOUR BOAT – DEATHS/DISAPPEARANCES

Only report deaths/disappearances of people on, struck by, or being towed by *Your boat*.
If more than one death/disappearance to report, attach additional copies of this page.
If none, SKIP DEATHS/DISAPPEARANCES section.

First Name	MI	Last Name
Street		
City	State	Zip
Phone	Date of Birth <i>mm!dd!YYYY</i>)	Age

Injury caused when person <i>select all that apply</i>)				Nature of death/disappearance <i>select one</i>			
Struck the (e.g., boat, water):				Death - by drowning			
Was struck by a (e.g., boat, propeller):				Death - other likely cause <i>describe</i>)			
Was exposed to carbon monoxide poisoning							
Received an electric shock				Disappeared and not yet recovered			
Other <i>describe</i>):				Person was wearing lifejacket?		Yes	No

For each question below, please provide answers IF APPLICABLE AND IF KNOWN, otherwise leave blank.

ACCIDENT DETAILS – YOUR BOAT OPERATOR

OPERATOR INSTRUCTION		OPERATOR SAFETY MEASURES			
Boating safety instruction completed <i>(select all that apply)</i>		On board, prior to accident, was operator wearing:			
<input type="checkbox"/> None		A lifejacket?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<input type="checkbox"/> State course		An engine cut-off switch <i>(Lanyard or wireless device)</i> if equipped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<input type="checkbox"/> USCG Auxiliary course		On board, prior to accident, was operator using:			
<input type="checkbox"/> US Power Squadrons course		Alcohol?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<input type="checkbox"/> Internet <i>(name of sponsoring organization)</i>		Drugs?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<input type="checkbox"/> Other <i>describe</i>		Operator arrested for Boating Under the Influence?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
		Weather reports consulted prior to accident?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

OPERATOR EXPERIENCE

Experience operating this type of boat *(select one)*

<input type="checkbox"/> 0 to 10 hours	<input type="checkbox"/> Over 10, up to 100 hours	<input type="checkbox"/> Over 100, up to 500 hours	<input type="checkbox"/> Over 500 hours
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ACCIDENT DETAILS – OTHER KEY PEOPLE

Only report other key people not already documented as injured, died, disappeared or operator/owner of your boat. If more than two other key people to report, attach additional copies of this page.

NAME/ADDRESS

This other key person was a(n) *select all that apply*

Other boat operator Other boat owner Owner of other damaged property Passenger on your boat Witness

First Name	MI	Last Name	
Street			
City	State	Zip	Phone
Other boat name <i>(if any)</i>		Other boat registration # <i>(if any)</i>	

NAME/ADDRESS

This other key person was a(n) *(select all that apply)*

Other boat operator Other boat owner Owner of other damaged property Passenger on your boat Witness

First Name	MI	Last Name	
Street			
City	State	Zip	Phone
Other boat name <i>(if any)</i>		Other boat registration # <i>(if any)</i>	

For each question below, please provide answers IF APPLICABLE AND IF KNOWN, otherwise leave blank.

YOUR BOAT OPERATOR

NAME/ADDRESS

First Name	MI	Last Name
Street		
City	State	Zip

AGE/ [REDACTED] /PHONE

Date of Birth <i>mm/dd/yyyy</i>	Age	[REDACTED]	Male	Female	Phone
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YOUR BOAT OWNER

If same as *your boat operator* SKIP rest of YOUR BOAT OWNER section.

NAME/ADDRESS/PHONE

First Name	MI	Last Name	
Street			
City	State	Zip	Phone

PERSON SUBMITTING THIS REPORT

If same as *your boat operator* OR *owner*, SKIP rest of PERSON SUBMITTING THIS REPORT section.

NAME/ADDRESS/PHONE/ROLE

First Name	MI	Last Name	
Street			
City	State	Zip	Phone

I was a(n) *(select one)*

<input type="checkbox"/>	Other person on board <i>this</i> boat
<input type="checkbox"/>	Accident witness <i>not</i> on board <i>this</i> boat
<input type="checkbox"/>	Other <i>describe</i>):

SIGNATURE OF PERSON SUBMITTING THIS REPORT

Your signature	Date <i>mm/dd/yyyy</i>
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An Agency may not conduct or sponsor and a person is not required to respond to an information collection, unless it displays a currently valid OMB Control Number.

The Coast Guard estimates that the average burden for this report form is 30 minutes. You may submit any comments concerning the accuracy of this burden estimate or any suggestions for reducing the burden to: Commandant (CG-BSX-21), U.S. Coast Guard, Washington, DC 20593-0001 or Office of Management and Budget, Paperwork Reduction Project (1625-0003), Washington, DC 20503.

Glossary

Airboat - A vessel that is typically flat-bottomed and propelled by an aircraft-type propeller powered by an engine.

At Anchor - Held in place in the water by an anchor; includes “moored” to a buoy or anchored vessel and “dragging anchor”.

Auxiliary Sail - A vessel with sail as its primary method of propulsion and mechanical propulsion as its secondary method.

Cabin Motorboat - A vessel propelled by propulsion machinery and providing enclosed spaces inside its structure.

Canoe - A small narrow boat, propelled by paddles. Canoes usually are pointed at both bow and stern and are normally open on top, but can be covered.

Capsizing - Overturning of a vessel.

Carbon Monoxide Poisoning - Death or injury resulting from an odorless, colorless gas generated from auxiliary boat equipment (stoves, heaters, refrigerators, generators, hot water heaters, etc.), another boat’s exhaust, or the exhaust of the vessel on which persons were either aboard or in close proximity.

Collision with Fixed Object - The striking of any fixed object, above or below the surface of the water.

Collision with Floating Object - Collision with any waterborne object above or below the surface that is free to move with the tide, current, or wind, except another vessel.

Collision with Commercial/Governmental/Recreational Vessel - Any striking together of two or more vessels, regardless of operation at the time of the accident, is a collision.

Collision with Submerged Object - A boat’s collision with any waterborne or fixed object that is below the surface of the water.

Congested Waters - Where the body of water is either too small or narrow to safely accommodate the number of boats on it.

Cruising - Proceeding normally, unrestricted, with an absence of drastic rudder or engine changes.

Departed Vessel - An accident where a person voluntarily disembarks a vessel by his/her own will (i.e. by diving off, jumping in), as opposed to a case where the person is forcefully ejected by a change in the vessel speed and/or direction.

Documented Vessel - A vessel of five or more net tons owned by a citizen of the United States and used exclusively for pleasure with a valid marine document issued by the Coast Guard. Documented vessels are not numbered.

Drifting - Underway, but proceeding over the bottom without use of engines, oars or sails; being carried along only by the tide, current, or wind.

Electrocution - Death or injury resulting from an electrical current that comes in contact with water causing electrocution of the victim.

Excessive Speed - Speed above that which a reasonable and prudent person would have operated under the conditions that existed. It is not necessarily a speed in excess of a posted limit.

Failure to Vent - Prior to starting the engine, failure to turn on the powered ventilation system that

brings in “fresh air” and expels gasoline vapors from the engine compartment.

Fall in Vessel - Any operator or passenger who slips, trips, or falls on board or within the vessel.

Falls Overboard - Any operator or passenger who falls off of the vessel.

Fiberglass hull - Hulls of fiber-reinforced plastic. The laminate consists of two basic components, the reinforcing material (glass filaments) and the plastic or resin in which it is embedded.

Fire/Explosion (fuel) - Accidental combustion of vessel fuel, liquids, including their vapors, or other substances such as wood.

Fire/Explosion (other) - Accidental burning or explosion of any material onboard except vessel fuels or their vapors.

Flooding/Swamping - Filling with water, regardless of method of ingress, but retaining sufficient buoyancy to remain on the surface.

Force of Wave/Wake - The track in the water of a moving boat; commonly used for the disturbance of the water (waves) resulting from the passage of the boat’s hull.

Fueling - Any stage of the fueling operation; primarily concerned with introduction of explosive or combustible vapors or liquids on board.

Grounding - Running aground of a vessel, striking or pounding on rocks, reefs, or shoals; stranding.

Hazardous Waters - Rapid tidal flows (the vertical movement of water) and/or currents (the horizontal flow of water) resulting in hazardous conditions in which to operate a boat.

Houseboat - A motorized vessel that is usually non-planing and designed primarily for multi-purpose accommodation spaces with low freeboard and little or no foredeck or cockpit.

Hull Failure - Defect or failure of the structural body of a vessel (i.e., hull material, design, or construction) not including superstructure, masts, or rigging.

Ignition of Spilled Fuel or Vapor - Accidental combustion of vessel fuel, liquids, and/or their vapors.

Improper Anchoring - Where a boat is either in the process of being anchored incorrectly or incorrectly held in place in the water by an anchor.

Improper Loading - Loading, including weight shifting, of the vessel causing instability, limited maneuverability, or dangerously reduced freeboard.

Improper Lookout - No proper watch; the failure of the operator to perceive danger because no one was serving as lookout, or the person so serving failed in that regard. Every vessel shall at all times maintain a proper look-out by sight and hearing as well as by all available means appropriate in the prevailing circumstances and conditions so as to make a full appraisal of the situation and of the risk of collision.

Inboard— An engine mounted inside the confines of a vessel which powers a drive shaft that turns a water jet impeller or that runs through the bottom of the hull and is attached to a propeller at the other end.

Inflatable - A vessel that uses air-filled flexible fabric for buoyancy.

Kayak - A small boat with a cockpit that is propelled by a double-bladed paddle by a sitting paddler.

Inadequate On-board Navigation Lights - Insufficient and/or improper lights shown by a boat that indicate course, position, and occupation, such as fishing or towing.

Machinery Failure - Defect and/or failure in the machinery or material, design or construction, or components installed by the manufacturer involved in the mechanical propulsion of the boat (e.g., engine, transmission, fuel system, electric system, and steering system).

Missing or Inadequate Navigation Aids - The absence of or ineffective presence of navigation aids.

Motorboat - Any vessel equipped with propulsion machinery.

Navigation Rules Violation - Violation of the statutory and regulatory rules governing the navigation of vessels.

Numbered vessel - An undocumented vessel numbered by a state with an approved numbering system under Chapter 123 of title 46, U.S.C.

Open Motorboat - A vessel equipped with propulsion machinery and having an open load carrying area that does not have a continuous deck to protect it from the entry of water.

Operator Inattention - Failure on the part of the operator to pay attention to the vessel, its occupants, or the environment in which the vessel is operating.

Operator Inexperience - Lack of practical experience or knowledge in operating a vessel or, more particularly, the vessel involved in the accident.

Outboard - An engine with propeller or water jet integrally attached, which is usually mounted at the stern of a vessel.

Overloading - Excessive loading of the vessel causing instability, limited maneuverability, dangerously reduced freeboard, etc.

Paddlecraft - A vessel powered only by its occupants, using a single or double-bladed paddle as a lever without the aid of a fulcrum provided by oarlocks, thole pins, crutches, or similar arrangements.

People on Gunwale, Bow or Transom - Standing/Sitting on the upper edge of the side of a boat, usually on a small projection above the deck; and/or standing/sitting on the most forward part of the boat; and/or standing/sitting on the back of the boat.

Person Struck by Vessel - A person is struck by a boat.

Person Struck by Propeller - A person is struck by the propeller, propulsion unit, or steering machinery.

Personal Watercraft - A vessel propelled by a water-jet pump or other machinery as its primary source of motive power and designed to be operated by a person sitting, standing, or kneeling on the vessel, rather than sitting or standing within the vessel's hull.

Pod drive - An engine mounted in front of the transom of a vessel and attached through the bottom of the hull to a steerable propulsion unit.

Pontoon Boat - A vessel with a broad, flat deck that is affixed on top of closed cylinders which are used for buoyancy, the basic design of which is usually implemented with two rows of floats as a catamaran or with three rows of floats as a trimaran.

Restricted Vision - A vessel operator's vision is said to be restricted when it is limited by a vessel's bow high trim, or by glare, sunlight, bright lights, a dirty windshield, spray, a canopy top, etc.

Rowboat - An open vessel manually propelled by oars.

Sail (only) - A vessel propelled only by sails.

Sharp Turn - An immediate or abrupt change in the boat's course of direction.

Sinking - Losing enough buoyancy to settle below the surface of the water.

Skier Mishap - Skier mishap is defined by persons (1) falling off their water-skis, (2) striking a fixed or submerged object, or by (3) becoming entangled or struck by the tow line. Also includes mishaps involving inner-tubes and other devices on which a person can be towed behind a boat.

Standup Paddleboard - A vessel, typically 7' – 15' in length with enough width and flotation to stay afloat without momentum while boarded, that is propelled by a standing operator with the use of a single or double-bladed paddle.

Starting in Gear - The boat's engine is started with the transmission in forward or reverse.

Steel hull - Hulls of sheet steel or steel alloy, not those with steel ribs and wood, canvas, or plastic hull coverings.

Stern drive - An engine, powering a propeller through a series of shafts and gears, mounted in front of the transom of a vessel and attached through the transom to a drive unit that is similar to the lower unit of an outboard; and may also be known as an inboard-outdrive or an inboard-outboard.

Sudden Medical Condition - An incident where a person on a vessel experiences an unexpected medical condition.

Towing - Engaged in towing any vessel or object, other than a person.

Weather - As a contributing factor of an accident, "Weather" is supposed to signify a stormy or windy condition, usually connoting rough or high seas and dangerous operating conditions.

Wood Hull - Hulls of plywood, molded plywood, wood planking, or any other wood fiber in its natural consistency, including those of wooden construction that have been "sheathed" with fiberglass or sheet metal.

Glossary of State Codes

AL	Alabama	NJ	New Jersey
AK	Alaska	NM	New Mexico
AZ	Arizona	NY	New York
AR	Arkansas	NC	North Carolina
CA	California	ND	North Dakota
CO	Colorado	OH	Ohio
CT	Connecticut	OK	Oklahoma
DE	Delaware	OR	Oregon
DC	District of Columbia	PA	Pennsylvania
FL	Florida	RI	Rhode Island
GA	Georgia	SC	South Carolina
HI	Hawaii	SD	South Dakota
ID	Idaho	TN	Tennessee
IL	Illinois	TX	Texas
IN	Indiana	UT	Utah
IA	Iowa	VT	Vermont
KS	Kansas	VA	Virginia
KY	Kentucky	WA	Washington
LA	Louisiana	WV	West Virginia
ME	Maine	WI	Wisconsin
MD	Maryland	WY	Wyoming
MA	Massachusetts	GU	Guam
MI	Michigan	PR	Puerto Rico
MN	Minnesota	VI	Virgin Islands
MS	Mississippi	AS	American Samoa
MO	Missouri	CNMI	Northern Mariana Islands
MT	Montana	AT	Atlantic Ocean
NE	Nebraska	GM	Gulf of Mexico
NV	Nevada	PC	Pacific Ocean
NH	New Hampshire		