

# 2016 RECREATIONAL BOATING STATISTICS

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U.S Department of Homeland Security  
U.S. Coast Guard  
Office of Auxiliary and Boating Safety





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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 2016, the 58th 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 2016 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](http://www.uscgboating.org).

JENNIFER WILLIAMS /s/  
Captain, U.S. Coast Guard  
Director of Inspections & Compliance

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## 2016 EXECUTIVE SUMMARY

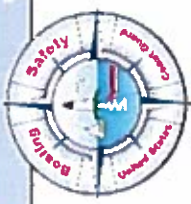
- In 2016, the Coast Guard counted 4,463 accidents that involved 701 deaths, 2,903 injuries and approximately \$49 million dollars of damage to property as a result of recreational boating accidents.
  - The fatality rate was 5.9 deaths per 100,000 registered recreational vessels. This rate represents a 11.3% increase from last year's fatality rate of 5.3 deaths per 100,000 registered recreational vessels.
  - Compared to 2015, the number of accidents increased 7.3%, the number of deaths increased 12%, and the number of injuries increased 11.1%.
- Where cause of death was known, 80% of fatal boating accident victims drowned. Of those drowning victims with reported life jacket usage, 83% were not wearing a life jacket.
- 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 15% of deaths.
- Where instruction was known, 77% of deaths occurred on boats where the operator did not receive boating safety instruction. Only 13% percent of deaths occurred on vessels where the operator had received a nationally-approved boating safety education certificate.
- There were 171 accidents in which at least one person was struck by a propeller. Collectively, these accidents resulted in 24 deaths and 175 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 (47%), personal watercraft (18%), and cabin motorboats (15%).
- Where data was known, the vessel types with the highest percentage of deaths were open motorboats (47%), kayaks (13%), and canoes (9%).
- The 11,861,811 recreational vessels registered by the states in 2016 represent a 0.04% decrease from last year when 11,867,049 recreational vessels were registered.



Table 1 • 2016 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	1051		38	708	
2	Collision with fixed object	565		63	432	
3	Flooding/swamping	470		90	156	
4	Grounding	413		13	246	
5	Capsizing	305		175	200	
VESSEL TYPES WITH THE TOP CASUALTY NUMBERS						
Casualty Rank	Type of Boat	Drownings	Other Deaths	Total Deaths	Total Injuries	Total Casualties
1	Open motorboat	228	95	323	1537	1860
2	Personal watercraft	13	33	46	675	721
3	Cabin motorboat	28	13	41	263	304
4	Canoe/kayak	130	22	152	124	276
5	Pontoon	38	9	47	120	167
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	509	82	404	23	
2	Trauma	99	51	41	7	
3	Cardiac arrest	12	4	8	0	
4	Hypothermia	7	5	2	0	
5	Other	6	2	3	1	
TOP TEN KNOWN PRIMARY CONTRIBUTING FACTORS OF ACCIDENTS						
Accident Rank	Contributing Factor	Number of Accidents		Number of Deaths	Number of Injuries	
1	Operator inattention	597		45	373	
2	Operator inexperience	480		62	301	
3	Improper lookout	475		20	380	
4	Excessive Speed	360		39	275	
5	Machinery failure	323		9	117	
6	Alcohol use	282		87	264	
7	Weather	214		41	103	
8	Navigation rules violation	213		10	157	
9	Hazardous waters	205		80	97	
10	Force of wave/wake	160		7	137	

**Table 7 - NUMBER OF VESSELS IN ACCIDENTS BY VESSEL TYPE & PRIMARY CONTRIBUTING FACTOR 2016**



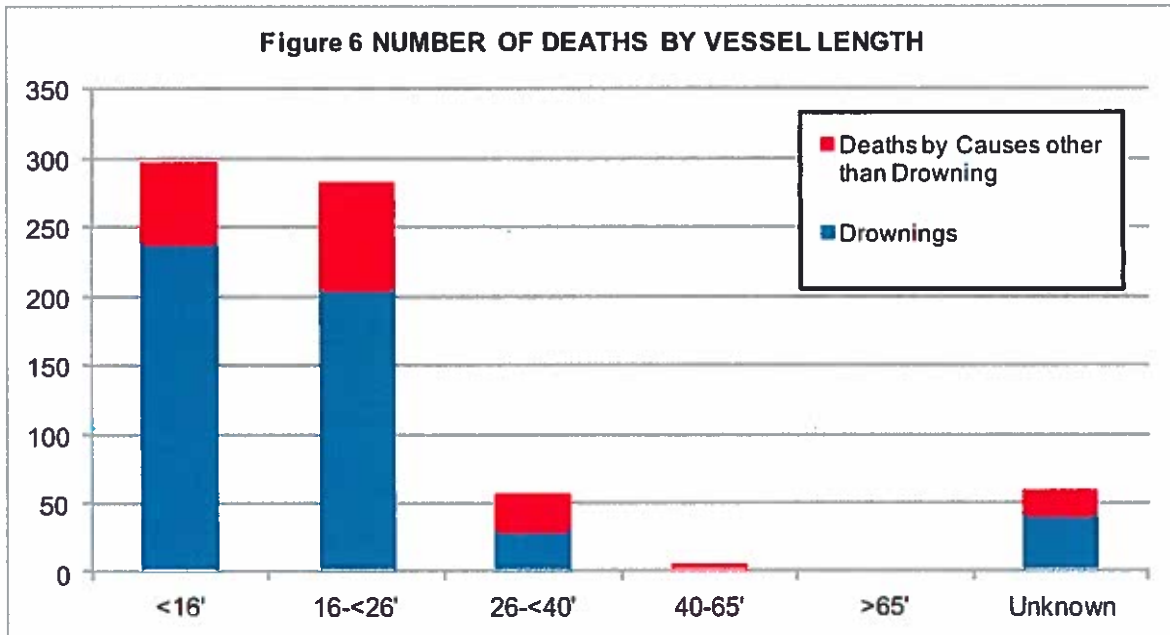
	All vessels	Airboat	Auxiliary sailboat	Cabin motorboat	Canoe	Houseboat	Inflatable	Kayak	Open motorboat	Personal watercraft	Pontoon	Rowboat	Sail (only)	Sail (unknown)	Standup paddleboard	Other	Unknown
All contributing factors	5967	34	274	890	93	87	30	182	2719	1072	300	43	64	6	20	28	125
Alcohol use	375	2	13	40	12	3	0	7	199	41	47	2	4	0	2	3	0
Carbon monoxide exposure	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Congested waters	54	1	4	5	0	0	0	0	25	13	4	0	1	0	0	0	1
Dam/lock	912	0	0	1	0	0	0	2	6	0	0	0	0	0	0	0	0
Drug use	66	0	0	1	0	0	0	3	32	5	3	1	0	0	0	0	0
Equipment failure	569	0	4	15	2	2	0	0	267	157	24	1	0	0	0	0	0
Excessive speed	35	5	11	81	0	6	0	0	14	30	0	1	0	0	0	0	0
Failure to vent	176	1	0	15	3	0	1	2	108	4	9	1	0	0	0	0	0
Force of wave/wake	212	0	1	12	14	0	1	45	95	30	6	3	2	0	1	2	5
Hazardous waters	176	1	1	15	3	0	1	2	108	4	9	1	0	0	0	0	1
Hull failure	45	0	2	8	0	1	0	0	25	2	4	1	0	0	0	0	2
Ignition of fuel or vapor	67	0	1	22	0	0	0	0	30	9	0	0	5	0	0	0	0
Improper anchoring	37	0	5	10	0	0	0	0	21	0	0	1	0	0	0	0	0
Improper loading	51	0	0	1	10	0	0	3	30	1	1	3	0	0	1	0	0
Improper lookout	748	2	35	93	1	1	0	6	388	162	40	8	4	0	0	4	1
Inadequate onboard navigation lights	34	0	1	2	0	1	0	0	29	0	0	0	0	0	0	0	0
Machinery failure	403	3	22	167	0	12	0	0	148	24	17	0	4	0	0	2	4
Missing/inadequate navigation aid	35	0	1	11	0	0	1	0	19	2	0	0	0	0	0	1	0
Navigation rules violation	368	1	34	36	1	3	0	5	126	117	14	1	2	0	2	0	28
Operator inattention	857	5	50	146	17	14	2	18	360	176	38	6	14	0	1	5	15
Operator inexperience	680	5	17	79	4	13	0	33	209	252	33	1	6	0	0	6	5
Overloading	37	0	0	1	4	0	0	4	16	0	1	1	0	0	0	0	0
People on gunwale, bow or transom	27	0	0	2	1	1	0	0	16	0	7	0	0	0	0	0	0
Restricted vision	100	1	3	10	0	1	0	1	63	10	6	1	1	0	0	1	2
Sharp turn	74	1	4	1	0	0	0	0	34	28	2	0	4	0	0	0	0
Starting in gear	4	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0
Sudden medical condition	29	0	0	2	0	0	0	0	14	3	2	0	0	0	0	0	0
Weather	279	3	32	35	0	21	1	16	119	6	8	3	13	0	1	0	12
Other	359	2	12	33	7	5	2	2	237	18	31	2	0	1	0	0	7
Unknown	223	1	13	44	10	3	2	30	72	7	3	6	3	0	1	1	20





**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
<b>All Vessels</b>	5967	583	4862	522	701	67	549	85	2903	329	2362	212
Airboat	34	0	32	2	3	0	3	0	32	0	29	3
Auxiliary sailboat	274	4	244	26	11	0	11	0	39	1	33	5
Cabin motorboat	890	9	800	81	41	1	34	6	263	2	240	21
Canoe	93	13	68	12	63	8	45	10	45	7	33	5
Houseboat	87	13	70	4	2	1	1	0	5	2	3	0
Inflatable	30	4	16	10	18	3	9	6	16	2	9	5
Kayak	182	15	133	34	89	5	69	15	79	10	55	14
Open motorboat	2719	150	2430	139	323	15	288	20	1537	93	1346	98
Personal watercraft	1072	282	733	57	46	10	35	1	675	182	463	30
Pontoon	300	80	199	21	47	16	27	4	120	26	90	4
Rowboat	43	2	36	5	17	2	15	0	27	0	24	3
Sailboat (only)	64	2	53	9	3	0	2	1	36	2	31	3
Sailboat (unknown)	6	0	0	6	1	0	0	1	1	0	0	1
Standup paddleboard	20	5	11	4	15	4	8	3	5	1	3	1
Other	28	3	21	4	6	1	2	3	4	1	2	1
Unknown	125	1	16	108	16	1	0	15	19	0	1	18



**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'	236	61	297	79%
16-26'	204	79	283	72%
26-40'	28	28	56	50%
40-65'	2	4	6	33%
>65'	0	0	0	0%
Unknown	39	20	59	66%
<b>Total</b>	<b>509</b>	<b>192</b>	<b>701</b>	<b>73%</b>

**Table 19 - NUMBER OF VESSELS IN ACCIDENTS BY VESSEL TYPE & PRIMARY ACCIDENT TYPE WITH NUMBER OF CASUALTIES BY CASUALTY TYPE & VESSEL TYPE 2016**

	Injuries	2903
	Total deaths	701
	Deaths by causes other than drowning	192
	Drownings	509
	Unknown	0
	Other	50
	Sudden medical condition	10
	Skier mishap	285
	Sinking	0
	Person struck by vessel	45
	Person struck by propeller	45
	Grounding	427
	Flooding/swamping	52
	Fire/explosion (unknown origin)	48
	Fire/explosion (non-fuel)	112
	Fire/explosion (fuel)	172
	Falls overboard	309
	Fall in vessel	184
	Electrocution	2
	Ejected from vessel	176
	Departed vessel	124
	Collision with submerged object	149
	Collision with recreational vessel	2195
	Collision with governmental vessel	8
	Collision with commercial vessel	69
	Collision with floating object	53
	Collision with fixed object	677
	Carbon monoxide exposure	8
	Capsizing	317
	All accident types	5967
<b>All vessels</b>		317
Airboat		34
Auxiliary sailboat		274
Cabin motorboat		890
Canoe		93
Houseboat		87
Inflatable		30
Kayak		182
Open motorboat		2719
Personal watercraft		1072
Pontoon		300
Rowboat		43
Sailboat (only)		64
Sailboat (unknown)		6
Standup paddleboard		20
Other		28
Unknown		125







**Table 27 - NUMBER OF INJURED VICTIMS BY AGE AND VESSEL TYPE 2016**

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
<b>Total</b>	2903	32	39	263	45	5	16	79	1537	675	120	27	36	1	5	4	19
0	3	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
2	6	0	0	0	1	1	0	0	2	0	1	0	0	0	0	0	1
3	5	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0
4	12	0	0	3	0	0	0	0	6	2	1	0	0	0	0	0	0
5	8	0	0	0	1	0	0	0	5	1	1	0	0	0	0	0	0
6	9	0	0	3	0	0	0	0	3	2	1	0	0	0	0	0	0
7	24	0	0	1	2	0	0	0	16	4	0	0	1	0	0	0	0
8	20	0	0	0	0	0	1	1	9	9	0	0	0	0	0	0	0
9	20	0	1	4	0	1	0	0	7	4	2	0	0	0	0	0	1
10	18	0	0	1	0	0	1	0	12	4	0	0	0	0	0	0	0
11	24	0	1	0	0	0	0	0	16	7	0	0	0	0	0	0	0
12	37	0	0	1	1	1	0	1	22	8	2	0	1	0	0	0	0
0 - 12	190	0	2	14	6	3	2	3	105	42	9	0	2	0	0	0	2
13 - 19	421	2	0	16	3	0	0	7	193	157	12	9	18	0	2	0	2
20 - 29	572	3	3	38	6	0	5	21	277	193	21	1	2	0	0	0	2
30 - 39	419	13	2	37	12	1	2	14	214	101	19	1	1	0	0	2	0
40 - 49	366	7	3	46	3	1	4	9	194	74	19	1	1	1	0	1	2
50 - 59	428	3	8	43	6	0	1	13	266	61	17	2	5	0	2	0	1
60 - 69	202	1	10	25	5	0	1	1	110	19	14	8	4	0	1	1	2
70 - 79	103	0	4	16	1	0	0	2	69	3	3	4	1	0	0	0	0
80 and Over	11	0	0	0	0	0	1	0	9	0	1	0	0	0	0	0	0
Unknown	191	3	7	28	3	0	0	9	100	25	5	1	2	0	0	0	8



**Table 26 - NUMBER OF DECEASED VICTIMS BY AGE AND VESSEL TYPE  
2016**

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	3	11	41	63	2	18	89	323	46	47	17	3	1	15	6	16	509	192	701
0	0	0	0	0	0	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	0	0	0	0	0	0	0
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	0	0	0	2	0	0	1	0	0	0	0	1	3	1	4
5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	3	2	5
10	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0-12	0	0	0	0	0	0	0	9	2	2	1	0	0	0	1	1	8	8	16
13 - 19	0	3	2	5	0	1	5	21	6	5	0	0	0	0	0	1	32	17	49
20 - 29	0	0	8	18	0	2	23	41	10	6	0	0	0	3	3	6	92	28	120
30 - 39	0	0	10	14	1	0	16	38	7	9	2	0	0	3	0	3	77	26	103
40 - 49	1	2	4	8	0	6	17	61	9	3	1	1	1	3	0	2	77	42	119
50 - 59	0	3	6	10	1	5	12	68	9	8	3	0	0	4	1	1	100	31	131
60 - 69	1	0	11	6	0	4	12	47	1	9	5	0	0	2	1	0	74	25	99
70 - 79	1	3	0	2	0	0	2	32	2	5	3	2	0	0	0	1	40	13	53
80 and Over	0	0	0	0	0	0	2	6	0	0	2	0	0	0	0	0	9	1	10
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1

Figure 9 PERCENT OF DEATHS BY VESSEL TYPE, 2004-2016

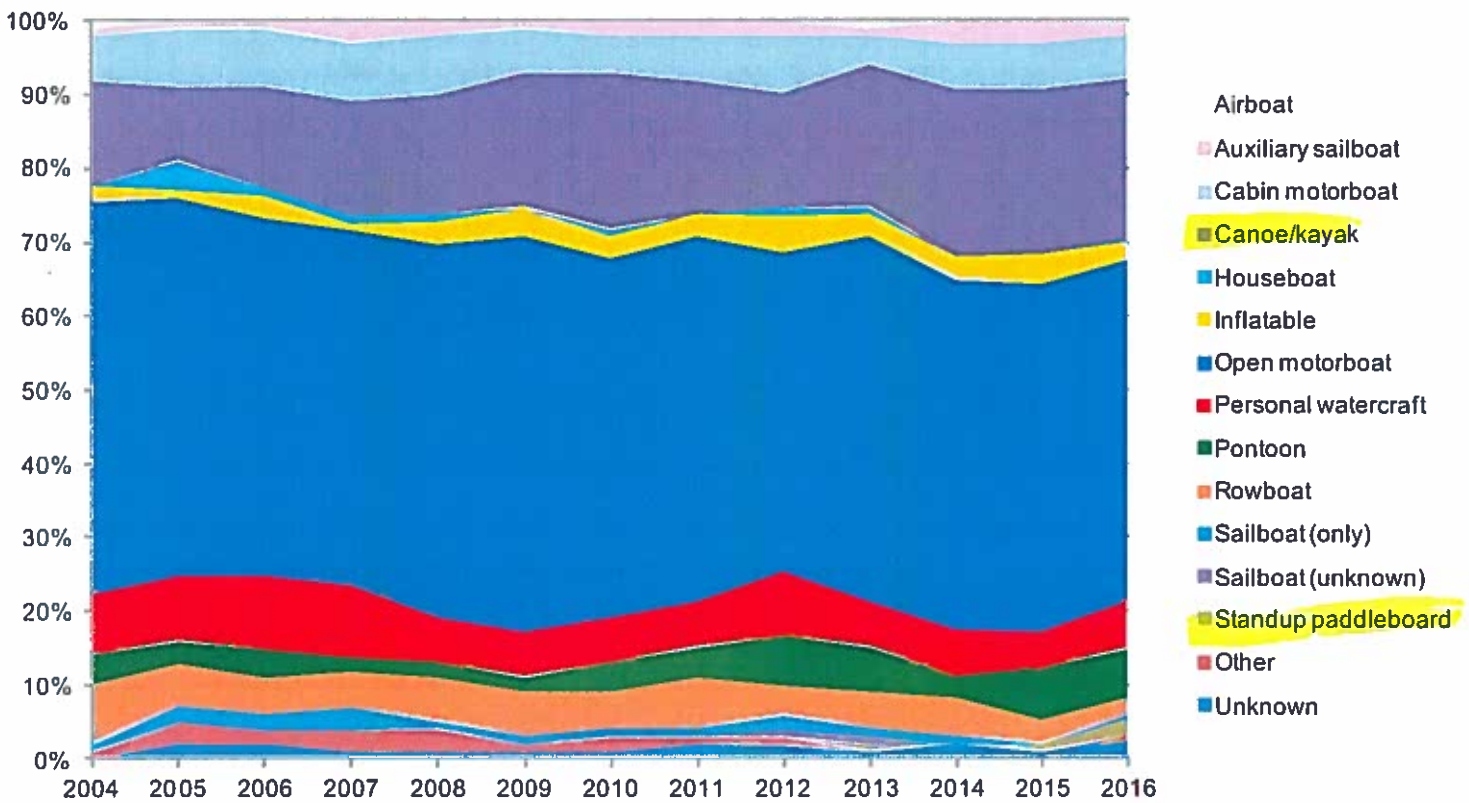


Table 25 - PERCENT OF DEATHS BY VESSEL TYPE, 2004-2016

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Airboat	1%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
Auxiliary sailboat	1%	1%	1%	3%	2%	1%	2%	2%	2%	1%	3%	3%	2%
Cabin motorboat	6%	8%	8%	8%	8%	6%	5%	6%	8%	4%	6%	6%	6%
Canoe/kayak	14%	10%	14%	16%	16%	18%	21%	18%	16%	19%	22%	22%	22%
Houseboat	0%	4%	1%	1%	1%	0%	1%	0%	1%	1%	0%	0%	0%
Inflatable	2%	1%	3%	1%	3%	4%	3%	3%	5%	3%	3%	4%	3%
Open motorboat	52%	51%	49%	49%	50%	53%	48%	49%	44%	49%	46%	46%	46%
Personal watercraft	8%	9%	10%	10%	6%	6%	6%	6%	9%	6%	6%	5%	7%
Pontoon	4%	3%	4%	2%	2%	2%	4%	4%	7%	6%	3%	7%	7%
Rowboat	8%	6%	5%	5%	6%	6%	5%	7%	4%	5%	5%	3%	2%
Sailboat (only)	1%	2%	2%	3%	1%	1%	1%	1%	2%	1%	1%	0%	0%
Sailboat (unknown)	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%
Standup paddleboard	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	2%
Other	1%	3%	2%	3%	3%	1%	2%	1%	1%	0%	0%	0%	1%
Unknown	0%	2%	2%	1%	1%	1%	1%	2%	2%	1%	2%	1%	2%

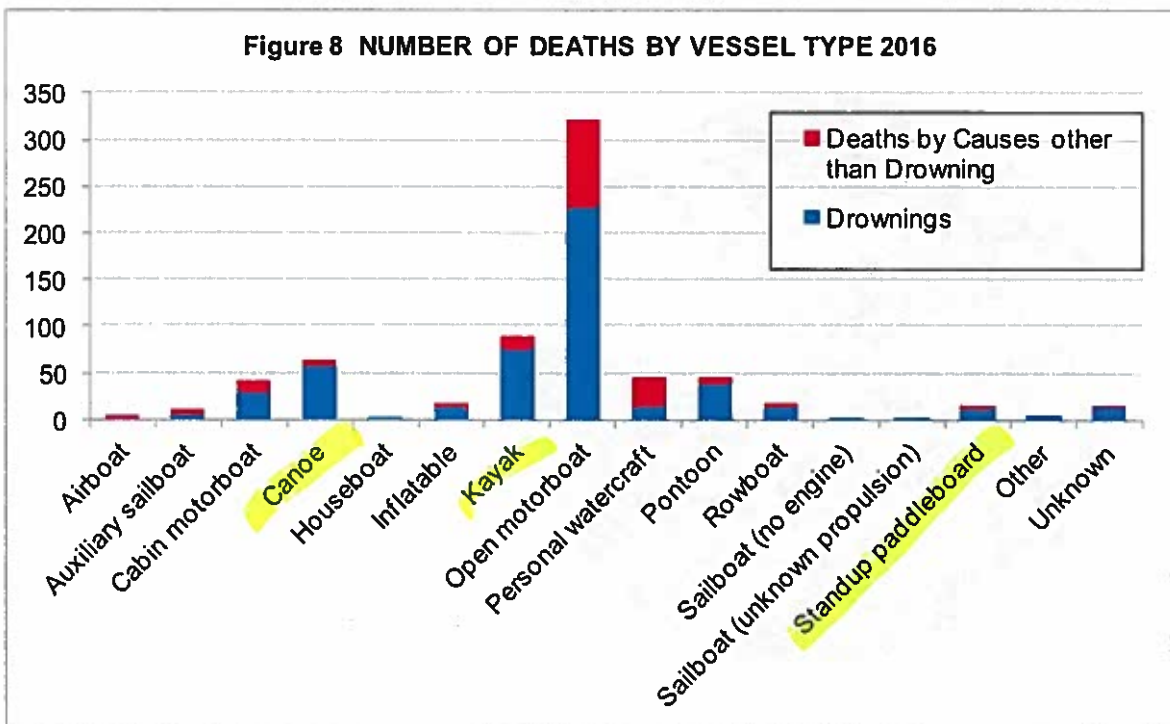




**Table 24 • NUMBER OF DEATHS BY VESSEL TYPE 2016**

Vessel type	Drownings	Deaths by Causes other than Drowning	Total Deaths	Percentage of Deaths from Drowning
Airboat	2	1	3	67%
Auxiliary Sailboat	5	6	11	45%
Cabin Motorboat	28	13	41	68%
Canoe	56	7	63	89%
Houseboat	2	0	2	100%
Inflatable	14	4	18	78%
Kayak	74	15	89	83%
Open Motorboat	228	95	323	71%
Personal Watercraft	13	33	46	28%
Pontoon	38	9	47	81%
Rowboat	14	3	17	82%
Sailboat (only)	3	0	3	100%
Sailboat (unknown)	1	0	1	100%
Standup paddleboard	12	3	15	80%
Other	6	0	6	100%
Unknown	13	3	16	81%
<b>Total</b>	<b>509</b>	<b>192</b>	<b>701</b>	<b>73%</b>

**Figure 8 NUMBER OF DEATHS BY VESSEL TYPE 2016**







**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 paddleboard	Other	Unknown
Amputation	31	2	1	1	0	0	0	1	20	2	4	0	0	0	0	0	0
Broken bone	552	6	4	37	2	1	2	4	267	207	17	0	3	0	0	0	2
Burns	127	2	4	50	0	1	0	0	61	2	1	0	1	0	0	0	5
Carbon monoxide	13	0	0	11	0	1	0	0	1	0	0	0	0	0	0	0	0
Concussion	256	2	8	21	0	0	1	4	127	75	11	2	5	0	0	0	0
Dislocation	49	1	1	4	0	0	1	3	27	10	0	0	0	0	2	0	0
Electric shock	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Hypothermia	249	0	2	7	29	0	3	41	125	6	3	14	16	0	0	1	2
Internal organ injury	150	4	3	11	5	1	1	6	68	43	7	1	0	0	0	0	0
Laceration	626	9	6	45	1	1	1	6	379	124	37	3	4	0	2	1	7
Scrape/bruise	364	4	9	29	5	0	1	3	179	110	18	3	2	0	0	1	0
Shock	13	0	0	0	0	0	1	1	9	1	0	0	0	0	0	0	1
Spinal cord injury	59	0	0	1	1	0	0	1	40	12	3	0	0	1	0	0	0
Sprain/strain	212	2	0	20	1	0	4	3	123	43	9	2	4	0	1	0	0
Other	5	0	0	2	0	0	0	1	2	0	0	0	0	0	0	0	0
Unknown	196	0	1	24	1	0	1	5	109	39	10	2	1	0	0	1	2
<b>All Injuries</b>	<b>2903</b>	<b>32</b>	<b>39</b>	<b>263</b>	<b>45</b>	<b>5</b>	<b>16</b>	<b>79</b>	<b>1537</b>	<b>675</b>	<b>120</b>	<b>27</b>	<b>36</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>19</b>

**Table 35 - NUMBER OF FATAL VICTIMS BY LIFE JACKET WEAR, CAUSE OF DEATH & VESSEL TYPE 2016**

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	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
Cardiac arrest	Yes	4	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0
	No	8	0	1	0	1	0	0	1	3	0	1	1	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drowning	Yes	82	0	1	2	4	0	7	22	33	7	2	1	1	0	1	1	0
	No	404	2	4	23	52	2	7	50	185	6	36	13	2	0	11	5	6
	Unknown	23	0	0	3	0	0	0	2	10	0	0	0	0	1	0	0	7
Hypothermia	Yes	5	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0
	No	2	0	0	0	0	0	0	0	1	0	0	1	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	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	No	3	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0
	Unknown	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Trauma	Yes	51	0	0	0	0	0	0	0	24	26	1	0	0	0	0	0	0
	No	41	1	0	3	0	0	0	0	32	1	4	0	0	0	0	0	0
	Unknown	7	0	0	0	0	0	0	0	6	1	0	0	0	0	0	0	0
Unknown	Yes	10	0	0	0	1	0	2	2	3	2	0	0	0	0	0	0	0
	No	29	0	1	0	2	0	1	2	16	1	2	1	0	0	3	0	0
	Unknown	28	0	3	8	2	0	0	4	7	0	1	0	0	0	0	0	3
<b>All Causes</b>		<b>701</b>	<b>3</b>	<b>11</b>	<b>41</b>	<b>63</b>	<b>2</b>	<b>18</b>	<b>89</b>	<b>323</b>	<b>46</b>	<b>47</b>	<b>17</b>	<b>3</b>	<b>1</b>	<b>15</b>	<b>6</b>	<b>16</b>



Figure 11 DEATHS, INJURIES, & ACCIDENTS BY YEAR, 1997-2016

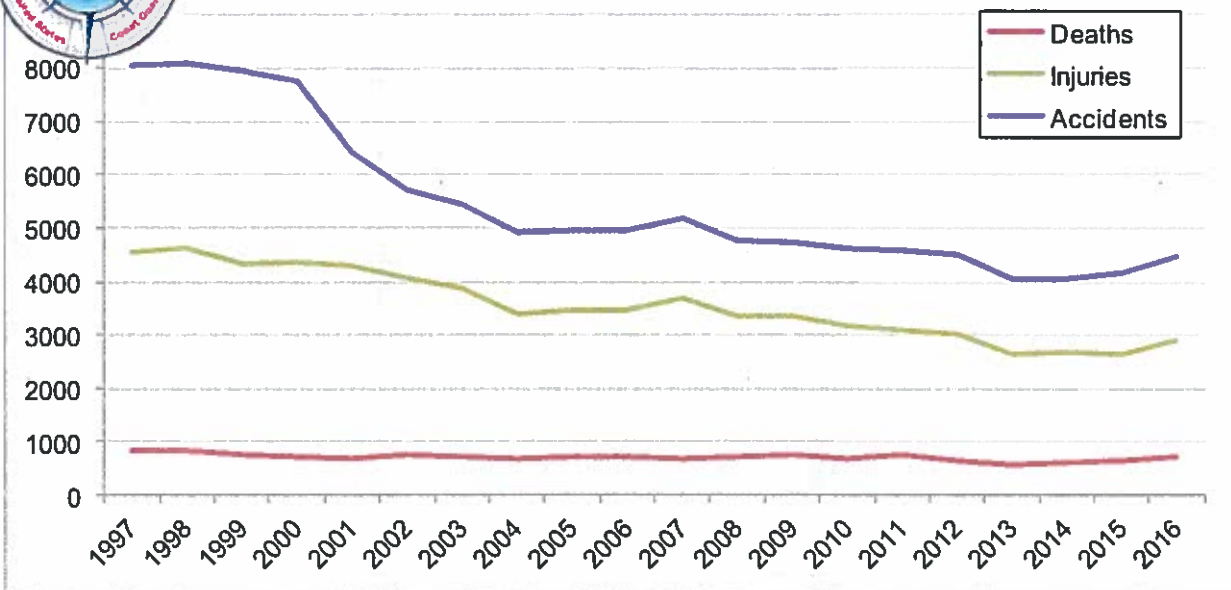


Table 29 • DEATHS, INJURIES, & ACCIDENTS BY YEAR, 1997-2016

Year	Deaths	Injuries	Accidents
1997	821	4555	8047
1998	815	4612	8061
1999	734	4315	7931
2000	701	4355	7740
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

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