

# Virginia PFD Wear Rates and Comparative National Data



JSI Research & Training Institute, Inc.  
*Promoting and Improving Health*

JSI Research & Training Institute, Inc.  
44 Farnsworth Street  
Boston, MA 02210

January 2018



*Produced under a grant from the Sport Fish Restoration and  
Boating Trust Fund, administered by the U.S. Coast Guard.*

### VIRGINIA - PFD WEAR RATE REPORT BY YEAR GROUPS (2006 to 2017)

Age	Boat Types	2006-08		2009-11		2012-14		2015-17	
		(%)	(N)	(%)	(N)	(%)	(N)	(%)	(N)
ADULT (18+)	POWER BOATS (NO PWCS)	2.6%	2068	5.3%	3021	5.5%	2376	4.0%	2635
	SAIL CRAFT	6.0%	53	5.8%	144	7.1%	61	25.9%	78
	PADDLE CRAFT	64.4%	35	67.1%	33	60.7%	97	73.1%	43
TEEN (13-17)	POWER BOATS (NO PWCS)	26.5%	107	34.6%	149	33.7%	240	29.5%	150
	SAIL CRAFT	.	.	.	.	.	.	.	.
	PADDLE CRAFT	.	.	.	.	.	.	.	.
YOUTH (<13)	POWER BOATS (NO PWCS)	79.4%	279	79.5%	287	78.8%	282	84.7%	189
	SAIL CRAFT	.	.	.	.	.	.	.	.
	PADDLE CRAFT	.	.	.	.	.	.	.	.

(Cells with observations less than or equal to 15 are removed from report)

### NATIONAL PFD WEAR RATE COMPARISON

Age	Boat Types	2006-08		2009-11		2012-14		2015-17	
		(%)	(N)	(%)	(N)	(%)	(N)	(%)	(N)
ADULT (18+)	POWER BOATS (NO PWCS)	4.3%	80216	4.0%	90243	4.5%	83613	5.2%	79249
	SAIL CRAFT	23.7%	9575	22.2%	10300	24.4%	8923	28.1%	7626
	PADDLE CRAFT	45.1%	4633	38.8%	6035	54.5%	6591	53.4%	8416
TEEN (13-17)	POWER BOATS (NO PWCS)	27.7%	6330	34.6%	5487	33.8%	4900	35.2%	4465
	SAIL CRAFT	52.7%	500	55.0%	346	59.0%	382	59.0%	293
	PADDLE CRAFT	57.5%	596	60.9%	506	62.2%	553	80.6%	679
YOUTH (<13)	POWER BOATS (NO PWCS)	85.3%	9571	90.3%	9682	88.0%	9292	87.3%	7450
	SAIL CRAFT	87.4%	415	86.4%	380	85.5%	357	86.3%	224
	PADDLE CRAFT	95.5%	480	89.9%	454	89.9%	595	94.0%	667

### VIRGINIA - PFD WEAR RATE REPORT BY YEAR (2014-2017)

Age	Boat Types	2012		2013		2014		2015		2016		2017	
		(%)	(N)	(%)	(N)	(%)	(N)	(%)	(N)	(%)	(N)	(%)	(N)
ADULT (18+)	POWER BOATS (NO PWCS)	7.9%	609	2.8%	390	5.3%	1377	5.5%	955	2.2%	1096	5.0%	584
	SAIL CRAFT	.	.	.	.	3.9%	46	15.3%	28	25.2%	35	.	.
	PADDLE CRAFT	81.9%	20	45.2%	18	58.1%	59	.	.	69.2%	23	.	.
TEEN (13-17)	POWER BOATS (NO PWCS)	30.2%	83	31.4%	16	36.0%	141	41.5%	45	24.2%	67	24.3%	38
	SAIL CRAFT	.	.	.	.	.	.	.	.	.	.	.	.
	PADDLE CRAFT	.	.	.	.	.	.	.	.	.	.	.	.
YOUTH (<13)	POWER BOATS (NO PWCS)	58.9%	65	93.8%	39	82.8%	178	82.1%	69	87.7%	76	83.7%	44
	SAIL CRAFT	.	.	.	.	.	.	.	.	.	.	.	.
	PADDLE CRAFT	.	.	.	.	.	.	.	.	.	.	.	.

(Cells with observations less than or equal to 15 are removed from report)

### NATIONAL PFD WEAR RATE COMPARISON

Age	Boat Types	2012		2013		2014		2015		2016		2017	
		(%)	(N)	(%)	(N)	(%)	(N)	(%)	(N)	(%)	(N)	(%)	(N)
ADULT (18+)	POWER BOATS (NO PWCS)	4.1%	27894	3.8%	26830	5.6%	28889	5.3%	26506	4.2%	26888	6.3%	25855
	SAIL CRAFT	21.1%	3297	27.0%	2840	25.6%	2786	30.3%	2800	26.2%	2557	27.4%	2269
	PADDLE CRAFT	57.0%	1999	52.3%	1787	54.2%	2805	52.9%	2858	51.2%	2798	56.4%	2760
TEEN (13-17)	POWER BOATS (NO PWCS)	31.4%	1727	32.4%	1596	37.9%	1577	31.6%	1415	32.4%	1326	40.3%	1724
	SAIL CRAFT	63.5%	182	54.6%	102	56.2%	98	52.7%	91	63.5%	118	59.0%	84
	PADDLE CRAFT	57.1%	238	58.2%	164	74.4%	151	80.4%	181	76.2%	230	84.9%	268
YOUTH (<13)	POWER BOATS (NO PWCS)	87.6%	3122	87.2%	2951	89.2%	3219	87.8%	2623	85.2%	2432	88.9%	2395
	SAIL CRAFT	84.5%	131	85.3%	118	86.9%	108	83.1%	79	90.9%	82	84.4%	63
	PADDLE CRAFT	83.7%	230	93.4%	182	94.6%	183	97.0%	198	93.0%	243	91.3%	226