

Supplement

Table S1: Cohort characteristics by gender, DRIVE cohort, NSW Australia 2003-2016.

Characteristic	Value	Men				Total (n=9949)	Women				Total (n=11357)
		Highest SES (n=2452)	Second quartile (n=2290)	Third quartile (n=2470)	Lowest SES (n=2237)		Highest SES (n=2683)	Second quartile (n=2846)	Third quartile (n=2983)	Lowest SES (n=2845)	
		Number (Percent)	Number (Percent)	Number (Percent)	Number (Percent)	Number (Percent)	Number (Percent)	Number (Percent)	Number (Percent)	Number (Percent)	Number (Percent)
Age (years)	17	1222 (49.8)	1259 (55)	1455 (58.9)	1294 (57.8)	5230 (55.3)	1024 (38.2)	1179 (41.4)	1376 (46.1)	1319 (46.4)	4898 (43.1)
	18-19	936 (38.2)	772 (33.7)	801 (32.4)	742 (33.2)	3251 (34.4)	1133 (42.2)	1170 (41.1)	1137 (38.1)	1050 (36.9)	4490 (39.5)
	20-24	294 (12)	259 (11.3)	214 (8.7)	201 (9)	968 (10.2)	526 (19.6)	497 (17.5)	470 (15.8)	476 (16.7)	1969 (17.3)
Remoteness	Metro	2409 (98.2)	1894 (82.7)	1458 (59)	1363 (60.9)	7124 (75.4)	2625 (97.8)	2320 (81.5)	1724 (57.8)	1670 (58.7)	8339 (73.4)
	Inner regional	43 (1.8)	364 (15.9)	919 (37.2)	602 (26.9)	1928 (20.4)	57 (2.1)	490 (17.2)	1108 (37.1)	816 (28.7)	2471 (21.8)
	Out regional / remote	0 (0)	32 (1.4)	93 (3.8)	272 (12.2)	397 (4.2)	1 (0)	36 (1.3)	151 (5.1)	359 (12.6)	547 (4.8)
Attempts driver test	1	1496 (61)	1490 (65.1)	1599 (64.7)	1443 (64.5)	6028 (63.8)	1753 (65.3)	1881 (66.1)	2003 (67.1)	1823 (64.1)	7460 (65.7)
	2	642 (26.2)	497 (21.7)	610 (24.7)	534 (23.9)	2283 (24.2)	634 (23.6)	655 (23)	690 (23.1)	700 (24.6)	2679 (23.6)
	3 or more	307 (12.5)	297 (13)	250 (10.1)	247 (11)	1101 (11.7)	292 (10.9)	304 (10.7)	281 (9.4)	310 (10.9)	1187 (10.5)
	Missing	7 (0.3)	6 (0.3)	11 (0.4)	13 (0.6)	37 (0.4)	4 (0.1)	6 (0.2)	9 (0.3)	12 (0.4)	31 (0.3)
Time on I-Licence	< 1 year	942 (38.4)	967 (42.2)	1080 (43.7)	952 (42.6)	3941 (41.7)	880 (32.8)	977 (34.3)	1091 (36.6)	1045 (36.7)	3993 (35.2)
	1-1.5 years	902 (36.8)	855 (37.3)	910 (36.8)	875 (39.1)	3542 (37.5)	901 (33.6)	971 (34.1)	1020 (34.2)	982 (34.5)	3874 (34.1)
	> 1.5 years	598 (24.4)	462 (20.2)	468 (18.9)	394 (17.6)	1922 (20.3)	895 (33.4)	892 (31.3)	862 (28.9)	804 (28.3)	3453 (30.4)
	Missing	10 (0.4)	6 (0.3)	12 (0.5)	16 (0.7)	44 (0.5)	7 (0.3)	6 (0.2)	10 (0.3)	14 (0.5)	37 (0.3)
Crash before study	No	2380 (97.1)	2216 (96.8)	2380 (96.4)	2133 (95.4)	9109 (96.4)	2614 (97.4)	2756 (96.8)	2873 (96.3)	2760 (97)	11003 (96.9)
	Yes	72 (2.9)	74 (3.2)	90 (3.6)	104 (4.6)	340 (3.6)	69 (2.6)	90 (3.2)	110 (3.7)	85 (3)	354 (3.1)
Self-rated driving ability compared to other drivers same stage	Much better	532 (21.7)	528 (23.1)	572 (23.2)	533 (23.8)	2165 (22.9)	351 (13.1)	381 (13.4)	417 (14)	420 (14.8)	1569 (13.8)
	Better	1098 (44.8)	980 (42.8)	1061 (43)	931 (41.6)	4070 (43.1)	1138 (42.4)	1168 (41)	1240 (41.6)	1152 (40.5)	4698 (41.4)
	Same	726 (29.6)	668 (29.2)	714 (28.9)	660 (29.5)	2768 (29.3)	1074 (40)	1146 (40.3)	1142 (38.3)	1120 (39.4)	4482 (39.5)
	worse or much worse	39 (1.6)	29 (1.3)	30 (1.2)	28 (1.3)	126 (1.3)	51 (1.9)	59 (2.1)	64 (2.1)	42 (1.5)	216 (1.9)
Missing	57 (2.3)	85 (3.7)	93 (3.8)	85 (3.8)	320 (3.4)	69 (2.6)	92 (3.2)	120 (4)	111 (3.9)	392 (3.5)	
Lessons with professional driving instructor (hours)	Mean (SD)	8.8 (14.2)	7.6 (13.0)	6.9 (12.3)	7.0 (13.9)	7.6 (13.4)	12.2 (15.2)	11.0 (17.5)	10.0 (14.5)	9.4 (13.4)	10.60 (15.3)
Average driving (hours per week)	Mean (SD)	7.1 (7.9)	9.0 (11.6)	9.8 (20.0)	10.8 (20.4)	9.1 (15.9)	6.6 (7.5)	8.4 (12.1)	8.7 (10.2)	9.8 (16.5)	8.38 (12.1)
Alcohol audit summary score	0-6	1959 (79.9)	1817 (79.3)	1952 (79)	1762 (78.8)	7490 (79.3)	2407 (89.7)	2481 (87.2)	2592 (86.9)	2488 (87.5)	9968 (87.8)
	>6	438 (17.9)	396 (17.3)	426 (17.2)	393 (17.6)	1653 (17.5)	210 (7.8)	280 (9.8)	270 (9.1)	247 (8.7)	1007 (8.9)
	Missing	55 (2.2)	77 (3.4)	92 (3.7)	82 (3.7)	306 (3.2)	66 (2.5)	85 (3)	121 (4.1)	110 (3.9)	382 (3.4)
Cannabis smoking in last 12 months	Never	1958 (79.9)	1847 (80.7)	2015 (81.6)	1848 (82.6)	7668 (81.2)	2268 (84.5)	2435 (85.6)	2502 (83.9)	2408 (84.6)	9613 (84.6)
	Once a month or less	321 (13.1)	261 (11.4)	269 (10.9)	200 (8.9)	1051 (11.1)	285 (10.6)	251 (8.8)	265 (8.9)	245 (8.6)	1046 (9.2)
	2-4 times a month	68 (2.8)	56 (2.4)	42 (1.7)	54 (2.4)	220 (2.3)	48 (1.8)	41 (1.4)	45 (1.5)	46 (1.6)	180 (1.6)
	2-3 or 4plus per week	45 (1.8)	45 (2)	45 (1.8)	44 (2)	179 (1.9)	16 (0.6)	29 (1)	44 (1.5)	29 (1)	118 (1)
	Missing	60 (2.4)	81 (3.5)	99 (4)	91 (4.1)	331 (3.5)	66 (2.5)	90 (3.2)	127 (4.3)	117 (4.1)	400 (3.5)

Characteristic	Value	Men					Women				
		Highest SES (n=2452) Number (Percent)	Second quartile (n=2290) Number (Percent)	Third quartile (n=2470) Number (Percent)	Lowest SES (n=2237) Number (Percent)	Total (n=9949) Number (Percent)	Highest SES (n=2683) Number (Percent)	Second quartile (n=2846) Number (Percent)	Third quartile (n=2983) Number (Percent)	Lowest SES (n=2845) Number (Percent)	Total (n=11357) Number (Percent)
Self-harm in past 12 months	No	2157 (88)	1963 (85.7)	2098 (84.9)	1907 (85.2)	8125 (86)	2351 (87.6)	2492 (87.6)	2549 (85.5)	2473 (86.9)	9865 (86.9)
	Yes	180 (7.3)	199 (8.7)	219 (8.9)	196 (8.8)	794 (8.4)	174 (6.5)	192 (6.7)	204 (6.8)	178 (6.3)	748 (6.6)
	Missing	115 (4.7)	128 (5.6)	153 (6.2)	134 (6)	530 (5.6)	158 (5.9)	162 (5.7)	230 (7.7)	194 (6.8)	744 (6.6)
Risk taking	Low	659 (26.9)	604 (26.4)	668 (27)	590 (26.4)	2521 (26.7)	1001 (37.3)	1095 (38.5)	1177 (39.5)	1062 (37.3)	4335 (38.2)
	Medium	716 (29.2)	661 (28.9)	749 (30.3)	670 (30)	2796 (29.6)	920 (34.3)	927 (32.6)	901 (30.2)	917 (32.2)	3665 (32.3)
	High	996 (40.6)	913 (39.9)	931 (37.7)	857 (38.3)	3697 (39.1)	656 (24.5)	696 (24.5)	724 (24.3)	686 (24.1)	2762 (24.3)
	Missing	81 (3.3)	112 (4.9)	122 (4.9)	120 (5.4)	435 (4.6)	106 (4)	128 (4.5)	181 (6.1)	180 (6.3)	595 (5.2)
Risk perception	Low	467 (19)	490 (21.4)	599 (24.3)	547 (24.5)	2103 (22.3)	836 (31.2)	1020 (35.8)	1126 (37.7)	1132 (39.8)	4114 (36.2)
	Medium	713 (29.1)	646 (28.2)	718 (29.1)	619 (27.7)	2696 (28.5)	897 (33.4)	868 (30.5)	865 (29)	826 (29)	3456 (30.4)
	High	1182 (48.2)	1023 (44.7)	1008 (40.8)	936 (41.8)	4149 (43.9)	834 (31.1)	816 (28.7)	789 (26.4)	710 (25)	3149 (27.7)
	Missing	90 (3.7)	131 (5.7)	145 (5.9)	135 (6)	501 (5.3)	116 (4.3)	142 (5)	203 (6.8)	177 (6.2)	638 (5.6)
Sensation seeking	Low	608 (24.8)	525 (22.9)	555 (22.5)	492 (22)	2180 (23.1)	977 (36.4)	1021 (35.9)	1077 (36.1)	1005 (35.3)	4080 (35.9)
	Medium	796 (32.5)	726 (31.7)	752 (30.4)	685 (30.6)	2959 (31.3)	829 (30.9)	882 (31)	896 (30)	832 (29.2)	3439 (30.3)
	High	955 (38.9)	918 (40.1)	1016 (41.1)	932 (41.7)	3821 (40.4)	758 (28.3)	801 (28.1)	808 (27.1)	816 (28.7)	3183 (28)
	Missing	93 (3.8)	121 (5.3)	147 (6)	128 (5.7)	489 (5.2)	119 (4.4)	142 (5)	202 (6.8)	192 (6.7)	655 (5.8)

Table S2: Number and rates of crashes, DRIVE cohort 2003-2016, NSW, Australia.

	Men				Women			Men/women
	Socioeconomic group	Number	Person-years	Rate per 10,000 (95% CI)	Number	Person-years	Rate per 10,000 (95% CI)	Rate ratio (95% CI)
Any car crash	Highest SES	636	31662.0	200.9 (185.6-216.9)	526	34908.2	150.7 (138.1-164.0)	1.3 (1.2-1.5)
	Second quartile	615	29681.2	207.2 (191.1-224.1)	609	37146.7	163.9 (151.2-177.4)	1.3 (1.1-1.4)
	Third quartile	677	32061.6	211.2 (195.5-227.5)	642	38981.6	164.7 (152.2-177.8)	1.3 (1.1-1.4)
	Lowest SES	652	28973.3	225.0 (208.1-242.8)	654	37176.3	175.9 (162.7-189.8)	1.3 (1.1-1.4)
Crash requiring hospitalisation or death	Highest SES	15	31662.0	4.7 (2.7-7.6)	21	34908.2	6.0 (3.7-9.0)	0.8 (0.4-1.5)
	Second quartile	21	29681.2	7.7 (4.9-11.4)	29	37146.7	7.8 (5.2-11.1)	1.0 (0.6-1.7)
	Third quartile	22	32061.6	7.2 (4.5-10.6)	41	38981.6	10.5 (7.5-14.1)	0.7 (0.4-1.1)
	Lowest SES	22	28973.3	8.6 (5.6-12.5)	52	37176.3	14.8 (11.1-19.1)	0.6 (0.4-0.9)
Crash in >= 80km/h zone	Highest SES	73	31662.0	23.1 (18.1-28.8)	61	34908.2	17.5 (13.4-22.3)	1.3 (0.9-1.9)
	Second quartile	118	29681.2	39.8 (32.9-47.4)	97	37146.7	26.1 (21.2-31.7)	1.5 (1.2-2.0)
	Third quartile	155	32061.6	48.3 (41.0-56.4)	155	38981.6	39.8 (33.7-46.4)	1.2 (1.0-1.5)
	Lowest SES	163	28973.3	56.3 (48.0-65.4)	164	37176.3	44.1 (37.6-51.3)	1.3 (1.0-1.6)
Single vehicle crash	Highest SES	90	31662.0	28.4 (22.9-34.8)	27	34908.2	7.7 (5.1-11.1)	3.7 (2.4-5.6)
	Second quartile	79	29681.2	26.6 (21.1-33.0)	34	37146.7	9.2 (6.3-12.6)	2.9 (1.9-4.4)
	Third quartile	96	32061.6	29.9 (24.3-36.4)	65	38981.6	16.7 (12.9-21.1)	1.8 (1.3-2.5)
	Lowest SES	113	28973.3	39.0 (32.1-46.7)	89	37176.3	23.9 (19.2-29.3)	1.6 (1.2-2.2)
Crash in country	Highest SES	61	31662.0	19.3 (14.7-24.6)	31	34908.2	8.9 (6.0-12.4)	2.2 (1.4-3.4)
	Second quartile	135	29681.2	45.5 (38.1-53.7)	138	37146.7	37.1 (31.2-43.7)	1.2 (0.9-1.6)
	Third quartile	227	32061.6	70.8 (61.9-80.5)	206	38981.6	52.8 (45.9-60.4)	1.3 (1.1-1.6)
	Lowest SES	223	28973.3	77.0 (67.2-87.6)	234	37176.3	62.9 (55.1-71.4)	1.2 (1.0-1.5)
Crash in wet	Highest SES	132	31662.0	41.7 (34.9-49.3)	104	34908.2	29.8 (24.3-35.9)	1.4 (1.1-1.8)
	Second quartile	122	29681.2	41.1 (34.1-48.9)	121	37146.7	32.6 (27.0-38.8)	1.3 (1.0-1.6)
	Third quartile	159	32061.6	49.6 (42.2-57.8)	124	38981.6	31.8 (26.5-37.8)	1.6 (1.2-2.0)
	Lowest SES	129	28973.3	44.5 (37.2-52.7)	133	37176.3	35.8 (30.0-42.3)	1.2 (1.0-1.6)
Crash in dark	Highest SES	215	31662.0	67.9 (59.1-77.4)	133	34908.2	38.1 (31.9-45.0)	1.8 (1.4-2.2)
	Second quartile	187	29681.2	63.0 (54.3-72.5)	145	37146.7	39.0 (32.9-45.8)	1.6 (1.3-2.0)
	Third quartile	195	32061.6	60.8 (52.6-69.8)	144	38981.6	36.9 (31.2-43.4)	1.6 (1.3-2.0)
	Lowest SES	165	28973.3	56.9 (48.6-66.1)	135	37176.3	36.3 (30.4-42.8)	1.6 (1.2-2.0)