

Supplemental Information

SUPPLEMENTAL TABLE 3 Average Monthly Rates (per 10 000 Driver-Months) and adjRRs for Crashes, Traffic Violations, and License Suspensions; Comparing Drivers With and Without ADHD

	12 Months Post-Licensure						48 Months Post-Licensure						
	ADHD		No ADHD		cRR (95% CI) ^a	adjRR (95% CI) ^b	ADHD		No ADHD		cRR (95% CI) ^a	adjRR (95% CI) ^b	
	N ^c	Rate	N ^c	Rate			N ^c	Rate	N ^c	Rate			
Crashes													
All crashes	389	194.3	2238	148.2	1.31 (1.17–1.46)	1.27 (1.12–1.43)	940	147.6	5128	102.0	1.45 (1.34–1.56)	1.37 (1.26–1.48)	
At fault	312	155.8	1614	106.9	1.46 (1.29–1.65)	1.40 (1.23–1.60)	698	109.6	3418	68.0	1.61 (1.48–1.76)	1.49 (1.36–1.63)	
Peer passenger	134	66.9	718	47.6	1.41 (1.16–1.70)	1.45 (1.18–1.79)	235	36.9	1213	24.1	1.53 (1.32–1.77)	1.52 (1.30–1.78)	
Single vehicle	66	33.0	338	22.4	1.47 (1.14–1.91)	1.21 (0.91–1.59)	171	26.8	766	15.2	1.76 (1.49–2.09)	1.49 (1.24–1.78)	
Multiple passenger	52	26.0	235	15.6	1.67 (1.23–2.26)	1.67 (1.20–2.32)	99	15.5	470	9.3	1.66 (1.34–2.07)	1.69 (1.33–2.13)	
Early night	33	16.5	179	11.9	1.39 (0.96–2.01)	1.31 (0.89–1.95)	63	9.9	381	7.6	1.31 (1.00–1.70)	1.26 (0.96–1.66)	
Injury	29	14.5	121	8.0	1.81 (1.21–2.70)	1.71 (1.13–2.59)	64	10.0	282	5.6	1.79 (1.37–2.34)	1.62 (1.23–2.14)	
Late night	23	11.5	112	7.4	1.55 (0.99–2.42)	1.25 (0.77–2.03)	70	11.0	333	6.6	1.66 (1.29–2.14)	1.42 (1.08–1.86)	
Alcohol related	6	3.0	11	0.7	4.11 (1.52–11.1)	2.58 (0.86–7.77) ^d	18	2.8	52	1.0	2.73 (1.57–4.77)	2.09 (1.16–3.76) ^d	
Violations													
All violations	1071	534.9	4843	320.8	1.67 (1.52–1.83)	1.36 (1.23–1.50)	3279	514.7	15 512	308.4	1.67 (1.56–1.79)	1.42 (1.32–1.52)	
Moving violations	643	321.1	3043	201.6	1.59 (1.44–1.77)	1.37 (1.23–1.53)	1943	305.0	9271	184.3	1.65 (1.54–1.78)	1.47 (1.36–1.58)	
Careless driving	273	136.3	1371	90.8	1.50 (1.31–1.72)	1.36 (1.17–1.58)	778	122.1	3484	69.3	1.76 (1.61–1.93)	1.57 (1.43–1.72)	
Speeding	162	80.9	738	48.9	1.66 (1.38–1.99)	1.39 (1.14–1.69)	525	82.4	2719	54.1	1.52 (1.37–1.70)	1.42 (1.27–1.59)	
Electronic equipment use	21	10.5	110	7.3	1.44 (0.90–2.30)	1.31 (0.78–2.21)	98	15.4	501	10.0	1.54 (1.25–1.92)	1.51 (1.20–1.90)	
Alcohol and/or drug use	23	11.5	32	2.1	5.42 (2.86–10.3)	3.57 (1.82–7.02) ^d	62	9.7	218	4.3	2.25 (1.61–3.13)	1.61 (1.13–2.30)	
Seat belt nonuse	126	62.9	539	35.7	1.76 (1.41–2.20)	1.25 (0.98–1.61)	474	74.4	2337	46.5	1.60 (1.40–1.83)	1.25 (1.08–1.44)	
GDL restrictions ^e	77	39.2	398	26.7	1.47 (1.14–1.89)	1.06 (0.80–1.40)	n/a	n/a	n/a	n/a	n/a	n/a	
License suspension ^f	4557	2.7	16 059	1.3	2.13 (1.41–3.22)	1.27 (0.81–1.99) ^d	74 336	13.5	297 763	7.0	1.94 (1.59–2.35)	1.32 (1.08–1.61) ^d	

cRR, crude rate ratio; n/a, not applicable.

^a cRR estimates were obtained by using a generalized estimating equation Poisson regression model, accounting for within-driver correlation only.

^b adjRR estimates were obtained by using a generalized estimating equation Poisson regression model, accounting for within-driver correlation and controlling for sex, age at licensure, race and/or ethnicity, insurance payer, presence of DSD, presence of seizure disorder, zip code-level indicators for neighborhood income and population density, primary care location, birth year, and calendar month (linear and quadratic terms).

^c Number of crashes, violations, or suspensions among all drivers during the period specified are included in the numerator of the rates.

^d The fully adjusted model did not converge; the limited adjusted model included only sex and age at licensure.

^e The rate of violation of GDL restrictions (eg, nighttime or passenger restrictions) was limited to those licensed before age 21 and was estimated only for the first 12 months after licensure.

^f Suspension events are number of days; suspension rates are number of days per driver-year.