

Appendices

Appendix Table 1: Incidence rate of motorcycle transport-related hospitalisations per 100,000 people by age group, 2017/2018–2020/2021. Parentheses contain 95% confidence interval.

Age (years)	Period			
	2017/2018	2018/2019	2019/2020	2020/2021
0–9	1.3 (0.5–2.5)	1.7 (0.9–3.1)	3.0 (1.8–4.7)	1.7 (0.9–3.1)
10–19	16.5 (13.5–20.0)	17.5 (14.4–21.1)	19.1 (15.9–22.8)	23.8 (20.2–27.9)
20–29	38.2 (33.7–43.1)	39.0 (34.5–43.9)	31.2 (27.2–35.7)	36.0 (31.7–40.8)
30–39	28.0 (24.0–32.5)	28.9 (24.9–33.4)	26.7 (22.9–30.9)	27.2 (23.4–31.4)
40–49	31.4 (27.1–36.1)	30.4 (26.2–35.0)	30.6 (26.4–35.3)	30.4 (26.2–35.0)
50–59	34.4 (30.0–39.4)	37.8 (33.1–42.9)	34.6 (30.2–39.5)	38.7 (34.0–43.9)
60–69	18.7 (15.1–22.9)	25.9 (21.6–30.6)	26.0 (21.8–30.7)	35.1 (30.3–40.5)
70–79	9.9 (6.8–14.0)	11.5 (8.2–15.7)	12.1 (8.8–16.3)	15.0 (11.3–19.5)
80+	7.5 (4.0–12.9)	5.1 (2.3–9.6)	3.3 (1.2–7.1)	11.5 (7.2–17.3)

Appendix Table 2: Estimated incident rate ratios, 95% confidence intervals and p-values for car seasonal and non-seasonal model.

Characteristic	Seasonal model			Non-seasonal model		
	IRR ¹	95% CI ¹	p-value	IRR ¹	95% CI ¹	p-value
Pre-COVID period slope change	1.000	0.999, 1.000	0.326	1.000	0.999, 1.001	0.906
COVID-19 period level change	0.565	0.320, 0.997	0.049	0.545	0.306, 0.971	0.040
COVID-19 period slope change	0.967	0.860, 1.088	0.575	0.970	0.862, 1.091	0.608
Post-COVID period level change	2.474	1.352, 4.526	0.003	2.361	1.309, 4.257	0.004
Post-COVID period slope change	1.032	0.918, 1.161	0.595	1.030	0.916, 1.159	0.617
Seasonal parameters (Fourier)						
Fourier 1	0.973	0.939, 1.008	0.131			
Fourier 2	0.963	0.932, 0.995	0.026			
Fourier 3	0.935	0.901, 0.970	0.000			
Fourier 4	1.039	1.001, 1.078	0.042			

¹IRR = Incidence Rate Ratio, CI = Confidence Interval

Appendix Table 3: Estimated incident rate ratios, 95% confidence intervals and p-values for motorcycle seasonal and non-seasonal model.

Characteristic	Seasonal model			Non-seasonal model		
	IRR ¹	95% CI ¹	p-value	IRR ¹	95% CI ¹	p-value
Pre-COVID period slope change	1.001	1.000, 1.002	0.009	1.002	1.000, 1.005	0.063
COVID-19 period level change	0.334	0.167, 0.667	0.002	0.385	0.196, 0.754	0.006
COVID-19 period slope change	1.144	1.010, 1.296	0.035	1.078	0.953, 1.220	0.232
Post-COVID period level change	0.829	0.490, 1.402	0.483	0.940	0.508, 1.738	0.842
Post-COVID period slope change	0.876	0.773, 0.993	0.039	0.933	0.824, 1.055	0.268
Seasonal parameters (Fourier)						
Fourier 1	0.884	0.843, 0.927	0.000			
Fourier 2	1.051	1.006, 1.097	0.025			
Fourier 3	0.736	0.706, 0.766	0.000			
Fourier 4	0.925	0.889, 0.962	0.000			

¹IRR = Incidence Rate Ratio, CI = Confidence Interval