

Appendix 1. Adjusted incidence-density ratios (IDR) in a multivariate unilevel model for the imputed associations between cyclist-related variables and the risk of death in the first 24 hours after a road crash. Spain, 1993-2013.

Variable	Category	IDR	95% CI		P value	FMI(2)
Helmet use	Yes(1)	1	-	-	-	-
	No	1.41	1.23	1.62	<0.001	0.091
Age (years)	< 10	0.93	0.58	1.47	0.744	0.020
	10 a 14	1.02	0.75	1.38	0.904	0.038
	15 a 19	1.13	0.85	1.50	0.389	0.036
	20 a 24	0.98	0.71	1.34	0.879	0.046
	25 a 29(1)	1	-	-	-	-
	30 a 34	1.27	0.94	1.73	0.124	0.057
	35 a 39	1.81	1.36	2.41	<0.001	0.035
	40 a 44	1.68	1.25	2.26	0.001	0.039
	45 a 49	1.85	1.37	2.49	<0.001	0.036
	50 a 54	2.15	1.59	2.90	<0.001	0.029
	55 a 59	2.92	2.18	3.91	<0.001	0.033
	60 a 64	3.55	2.67	4.72	<0.001	0.034
	65 a 69	4.43	3.38	5.81	<0.001	0.034
	70 a 74	3.57	2.55	4.99	<0.001	0.028
	> 74	4.48	3.39	5.91	<0.001	0.038
Sex	Male(1)	1	-	-	-	-
	Female	0.82	0.68	1.00	0.045	0.019
Psychophysical circumstances	Normal(1)	1	-	-	-	-
	Altered	1.44	1.09	1.90	0.011	0.309
Nationality	Spanish(1)	1	REF	REF	REF	REF
	Other nationality	1.37	1.16	1.61	<0.001	0.017
	None(1)	1	-	-	-	-
Commission of infraction	Distraction	0.71	0.57	0.89	0.002	0.005
	Incorrect use of lighting	1.48	0.93	2.37	0.097	0.007
	Wrong way	1.19	0.78	1.82	0.423	0.004
	Invading the opposite lane	2.00	1.53	2.60	<0.001	0.004
	Incorrect turning	1.52	1.25	1.85	<0.001	0.004
	Illegal passing	2.12	1.28	3.49	0.003	0.001

	Disregarding safety distance	0.44	0.20	0.99	0.047	0.003
	Failure to yield right of way	1.77	1.38	2.28	<0.001	0.005
	Disregarding traffic lights	1.44	0.87	2.39	0.161	0.016
	Disregarding stop lights	2.53	2.02	3.15	<0.001	0.003
	Disregarding crossing signals	1.65	1.02	2.66	0.041	0.001
	Disregarding other signals	2.94	1.39	6.24	0.005	0.017
	Not indicating a maneuver	1.19	0.53	2.66	0.679	<0.001
	Entering traffic flow without precaution	1.94	1.37	2.74	<0.001	0.004
	Cycling while standing	2.01	0.28	14.39	0.487	<0.001
	Cycling in parallel	1.89	1.04	3.46	0.038	0.002
	Cycling outside traffic lanes	2.09	1.64	2.66	<0.001	0.004
	Other	1.89	1.63	2.19	<0.001	0.014
Reason for cycling	Work-related(1)	1	-	-	-	-
	Other reason	1.13	0.94	1.36	0.204	0.081

(1) Reference category

(2) Fraction of missing information