

Table 1 Estimates of risk associated with sloppiness during driving

Study type (ref)	Country	Sample size (accidents)	Age, yr	Women	Sleepiness during driving (accidents)	Frequency of sleepiness during driving	Sleep disorders	Sleep deprivation	OR (95% CI)
Cross-sectional (10)	Japan	2462 (21)	30–50	22.0%	1429 (20)	58.0	20.5	42.8	12.90 (1.72–97.69)
Cross-sectional (2)	Saudi Arabia	1219 (773)	30–50	0	307 (228)	25.1	1.1	67.3	1.19 (0.85–1.67)
Case-control (4)	New Zealand	1159 (571)	<30	36.6%	71(63)	6.1	1.4	9.0	8.20 (3.40–19.70)
Case-control (9)	USA	399 (114)	30–50	31.0%	158 (NR)	39.5	38.8	15.0	1.60 (1.0–2.70)
Cross-sectional (16)	New Zealand	5368 (644)	30–50	48.0%	NR	NR	NR	–	1.52 (1.15–2.02)
Cohort (23)	USA	3201 (222)	40–89	45.4	222	6.9	1.3	69.0	
Cross-sectional (17)	Greece	1366 (742)	30–50	40.0	NR	NR	NR	NR	1.41 (1.14–1.76)
Cross-sectional (18)	USA	506 (202)	<30	46.0	103 (55)	20.3	NR	36.7	1.79 (1.07–2.99)
Case-control (21)	China	844 (406)	>50	3.9	19 (8)	2.25	4.9	3.5	0.63 (0.22–1.82)
Cross-sectional (24)	Spain	229 (60)	>50	5.0	81 (NR)	35.3	82.5	NR	5.05 (2.30–10.90)
Cohort (8)	France	13 674 (260)	>50	23.0	160 (NR)	1.1	NR	NR	2.90 (1.30–6.32)
Case-control (7)	France	544 (272)	30–50	49.0	20 (17)	3.6	16.2	23.5	9.97 (1.57–63.50)
Cross-sectional (15)	France	35 004 (2520)	>50	26.0	20 236 (131)	57.8	5.2	NR	9.48 (4.14–21.72)
Cross-sectional (25)	Italy	339 (80)	<30	42.0	135 (45)	39.8	5.8	NR	2.06 (1.19–3.56)
Cross-sectional (26)	Saudi Arabia	4679 (474)	<50	13.63	115	10.2	NR	NR	1.90 (1.38–2.60)
Cross-sectional (27)	France	4774 (278)	>50	54.0	1411 (138)	29.5	2.2	NR	2.03 (1.57–2.64)
Case-control (28)	USA	874 (467)	30–50	NR	292 (169)	33.4	47.8	18.3	8.25 (4.53–15.05)

CI = confidence interval; NR = not recorded; OR = odds ratio; USA = United States of America.