

Supplementary Table 3. Overall and sport-specific incidence of concussion (reported as events/1000 athlete exposures (AE))

Sport	Studies (N)*	Gender-specific Incidence		Pooled Incidence/1000 AE	Q statistic	I <sup>2</sup>
		Male	Female			
American football	5	0.53 (0.40 to 0.67)	NR	0.53 (0.40 to 0.67)	P=0.0001	97%
Soccer/football	4	0.19 (0.16 to 0.21)	0.27 (0.24 to 0.30)	0.23 (0.19 to 0.28)	P=0.009	74%
Basketball	4	0.10 (0.08 to 0.11)	0.17 (0.15 to 0.19)	0.13 (0.12 to 0.15)	P=0.951	0%
Baseball	4	0.06 (0.04 to 0.09)	NR	0.06 (0.04 to 0.08)	P=0.193	37%
Wrestling	4	0.17 (0.11 to 0.24)	NR	0.17 (0.11 to 0.24)	P=0.0001	89%
Lacrosse	3	0.29 (0.26 to 0.32)	0.17 (0.15 to 0.20)	0.24 (0.21 to 0.28)	P=0.073	62%
Hockey	4	NR	NR	1.20 (1.00 to 1.31)	P=0.355	8%
Softball	4	NR	0.10 (0.08 to 0.12)	0.10 (0.08 to 0.12)	P=0.549	0%
Rugby	2	4.18 (2.50 to 5.86)	NR	4.18 (2.50 to 5.86)	P=0.345	0%
Volleyball	2	NR	0.03 (0.00 to 0.05)	0.03 (0.00 to 0.05)	P=0.205	38%
Field Hockey	2	NR	0.10 (0.08 to 0.12)	0.10 (0.08 to 0.12)	P=0.730	0%
Cheerleading	2	NR	0.07 (0.04 to 0.09)	0.07 (0.04 to 0.09)	P=0.159	50%
Overall	13			0.23 (0.19 to 0.28)	P=0.0001	99%

\* Includes only those studies reporting athlete exposures as denominator units (except for hockey, where 3 of 4 studies were converted from player hours to athlete exposures)