

Supplementary Table 1. Concussion reporting expectation (CR-E) item level responses by group

	Timepoint 1		Timepoint 2	
	Intervention Group n=184	Control Group n=155	Intervention Group n=160	Control Group n=147
1. ...even if the team was counting on me to play				
0 Never	7 (4.5%)	13 (9.9%)	4 (2.8%)	13 (10.3%)
1 Rarely	24 (15.6%)	13 (9.9%)	16 (11.3%)	20 (15.9%)
2 Sometimes	34 (22.1%)	24 (18.3%)	32 (22.7%)	19 (15.1%)
3 Often	40 (26.0%)	33 (25.2%)	30 (21.3%)	32 (25.4%)
4 Always	49 (31.8%)	48 (36.6%)	59 (41.8%)	42 (33.3%)
2. ...even if I really wanted to keep playing				
0 Never	7 (4.7%)	12 (9.2%)	3 (2.1%)	11 (8.8%)
1 Rarely	23 (15.3%)	22 (16.8%)	18 (12.9%)	20 (16.0%)
2 Sometimes	34 (22.7%)	25 (19.1%)	38 (27.1%)	26 (20.8%)
3 Often	38 (25.3%)	25 (19.1%)	26 (18.6%)	27 (21.6%)
4 Always	48 (32.0%)	47 (35.9%)	55 (39.3%)	41 (32.8%)
3. ...even if it was a close game				
0 Never	15 (9.7%)	18 (13.7%)	8 (5.8%)	15 (11.9%)
1 Rarely	24 (15.6%)	22 (16.8%)	18 (13.0%)	21 (16.7%)
2 Sometimes	29 (18.8%)	18 (13.7%)	26 (18.8%)	19 (15.1%)
3 Often	33 (21.4%)	30 (22.9%)	27 (19.6%)	32 (25.4%)
4 Always	53 (34.4%)	43 (32.8%)	59 (42.8%)	39 (31.0%)
4. ...even if my team will be down a player				
0 Never	15 (9.8%)	22 (16.8%)	12 (8.6%)	19 (15.1%)
1 Rarely	28 (18.3%)	26 (19.8%)	16 (11.5%)	19 (15.1%)
2 Sometimes	33 (21.6%)	19 (14.5%)	28 (20.1%)	22 (17.5%)
3 Often	32 (20.9%)	24 (18.3%)	27 (19.4%)	22 (17.5%)
4 Always	45 (29.4%)	40 (30.5%)	56 (40.3%)	44 (34.9%)

Supplementary Table 2. Rates of reporting behavior among those reporting a blow to the head during the prior season followed by concussion symptoms.

	Intervention Group n (%)	Control Group n (%)	p-value
Experienced a blow to the head	32 (100)	28 (100)	
Did NOT keep playing (=safe)	11 (34.4)	6 (21.4)	0.33

Supplementary Table 3. Adjusted relative risk (RR) of expected likelihood of engaging in high risk and low risk injurious play (IP-E), in the intervention group compared to the control group, at the end of the season, overall and for key subgroups of interest.

	Proportion reporting "likely" to engage in potentially injurious play (95% CI)		RR (95% CI)
	Intervention	Control	
High-risk behavior:			
Overall Study Population:	0.38 (0.29-0.48)	0.41 (0.32-0.51)	0.93 (0.61-1.41)
By Sport:			
Soccer	0.30 (0.17-0.42)	0.31 (0.19-0.43)	0.96 (0.50-1.84)
Football (which is male only)	0.43 (0.38-0.47)	0.55 (0.43-0.67)	0.77 (0.58-1.04)
By Gender:			
Female (which is soccer only)	0.21 (0.06-0.37)	0.31 (0.10-0.52)	0.69 (0.28-1.68)
Male	0.41 (0.34-0.48)	0.52 (0.41-0.63)	0.78 (0.55-1.11)
By Age:			
9-10 years (which is soccer only)	0.37 (0.18-0.56)	0.26 (0.15-0.37)	1.40 (0.71-2.77)
11-12 years	0.37 (0.29-0.44)	0.42 (0.31-0.53)	0.86 (0.59-1.26)
13-14 years (which is football only)	0.46 (0.30-0.62)	0.56 (0.40-0.71)	0.83 (0.53-1.28)
Lower-risk behavior:			
Overall Study Population:	0.62 (0.49-0.76)	0.54 (0.43-0.65)	1.15 (0.79-1.68)
By Sport:			
Soccer	0.52 (0.36-0.68)	0.36 (0.17-0.55)	1.44 (0.73-2.82)
Football (which is male only)	0.71 (0.69-0.73)	0.72 (0.67-0.78)	0.98 (0.88-1.09)
By Gender:			
Female (which is soccer only)	0.41 (0.28-0.53)	0.51 (0.29-0.72)	0.80 (0.44-1.45)
Male	0.67 (0.49-0.84)	0.64 (0.46-0.82)	1.05 (0.63-1.76)
By Age:			
9-10 years (which is soccer only)	0.52 (0.36-0.67)	0.27 (0.00-0.53)	1.94 (0.62-6.02)
11-12 years	0.59 (0.43-0.75)	0.65 (0.50-0.80)	0.91 (0.58-1.43)
13-14 years (which is football only)	0.77 (0.63-0.91)	0.63 (0.55-0.72)	1.22 (0.97-1.53)

Adjusted for youth age, team gender, baseline response, and coach gender and age