Supplementary Table 1. As Treated Analyses of Cluster Adjusted Cox Proportional Hazard Ratios comparing the incidence of SRCs between the Head gear brands for males and females

				Multivariate Risk Ratio		Multivariate Hazard Ratio	
All Subjects	**n**	**SRC**	**% SRC**	**(95% CI)**	**P-value**	**(95% CI)**	**P-value**
None (No HG group)	1546	75	4.9	reference	--	reference	--
FORCEFIELD	498	27	5.4	0.92 (0.49-1.70)	0.782	1.09 (0.62-1.91)	0.765
FULL90	386	12	3.1	0.59 (0.29-1.24)	0.164	0.69 (0.31-1.56)	0.377
STORELLI	523	13	2.5	0.43 (0.21-0.89)	**0.023**	0.54 (0.20-1.43)	0.213
UNEQUAL	94	3	3.2	0.57 (0.17-1.98)	0.380	0.70 (0.25-1.97)	0.504
Males							
None (No HG group)	548	10	1.8	reference	--	reference	--
FORCEFIELD	135	8	5.9	2.91 (0.75-11.3)	0.123	3.13 (1.18-8.28)	**0.021**
FULL90	154	1	0.6	0.26 (0.02-2.81)	0.268	0.31 (0.04-2.35)	0.259
STORELLI	159	3	1.9	0.74 (0.15-3.78)	0.721	1.08 (0.15-7.60)	0.935
UNEQUAL	23	0	0.0	0.00 (0.00-Inf)	0.999	0.00 (0.00-0.00)	**< 0.001**
Females							
None (No HG group)	998	65	6.5	reference	--	reference	--
FORCEFIELD	363	19	5.2	0.78 (0.40-1.51)	0.462	0.86 (0.45-1.63)	0.648
FULL90	232	11	4.7	0.80 (0.38-1.68)	0.550	0.79 (0.34-1.86)	0.594
STORELLI	364	10	2.7	0.41 (0.19-0.90)	**0.026**	0.46 (0.20-1.05)	0.066
UNEQUAL	71	3	4.2	0.68 (0.20-2.35)	0.541	0.80 (0.27-2.34)	0.678

As Treated designation is based on majority head gear use (yes/no) for those without an SRC and whether they were wearing head gear when SRC occurred for those with SRC.

The LDR head gear brand was only used by 3 athletes, none had SRC, therefore these athletes were not included in specific head gear brand analysis.

Multivariable analysis consisted of poisson regression and Cox PH survival analysis controlling for Age, Sex, Year, Previous Concussion in last year, and Symptom Severity Group as covariates and school cluster effect.