

**Supplementary Table 3. Estimates and 95% confidence interval for the subgroup analyses.**

Interaction Factor	First term estimate (95%CI)	Second term estimate (95%CI)	Third term estimate (95%CI)
group-x-sex	2.26 (-2.57, 7.09)	-	-
group-x-age*	-0.99 (-6.94, 4.95)	-0.65 (-26.56, 25.27)	0.99 (-56.10, 60.22)
group-x-5P PPCS risk*	0.61 (-3.58, 4.81)	0.07 (-7.43, 7.58)	0.61 (-37.57, 36.70)
group-x-ED HBI score*	-0.14 (-1.18, 0.90)	0.06 (-3.48, 3.61)	-0.14 (-9.00, 9.98)

Note: \*Four knot restricted spline was applied, 5P= Predicting and Preventing Postconcussive Problems in Pediatrics, PPCS= Persistent post-concussion symptoms, ED=Emergency Department, HBI= Health and Behaviour Inventory, CI=Confidence interval.