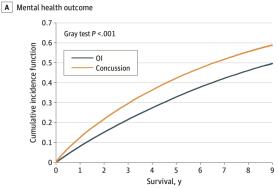
Mental Health and Pediatric Concussion

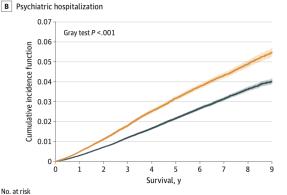
PRESENTED BY Andrée-Anne Ledoux, PhD





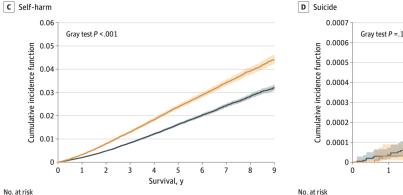
Mental Health and Concussion





No. at risk

01 296 482 233 938 186 136 143 764 106 819 76 142 52 170 33 378 18 347 6528 Concussion 152 321 116 550 90 550 68 643 49 988 35 293 24 402 15 650 9008 3468 01 296 482 253 870 217 624 180 531 143 837 109 918 80 420 54 758 32 005 12 148 Concussion 152 321 132 558 114 050 94 936 75 333 57 609 42 812 29 412 18 165 7433



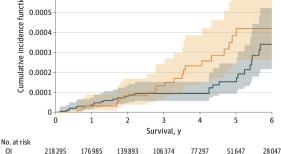
7485

Concussion 110795

91862

01 296 482 254 133 218 142 181 215 144 489 110 496 80 948 55149 32275 12260 Concussion 152 321 132 780 114 425 95 421 75 852 58 060 43 153 29 666 18 332





72547

55 431

40861

27641

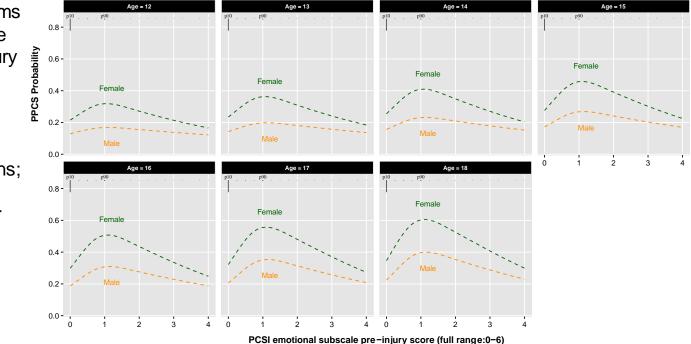
15770

Predictors of Persistent Symptoms

Overtime, Preinjury symptoms and characteristics are more predictive of PPCS than injury predictors:

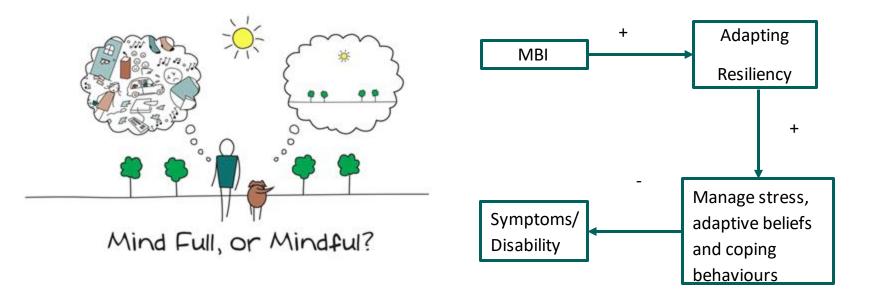
Somatic symptoms; Pre-injury cognitive ability; Attention and mood concerns; Anxiety;

Coping strategies (e.g., fear avoidance behaviour).



Ledoux et al. 2021, Head Trauma Rehabilitation Cairncross et al., 2021, *Child Neuropsychology*

Mindfulness-Based Interventions (MBI)



Mindfulness-Based Interventions (MBI)



MOBILE HEALTH

Intervention

Targeted MBI journey

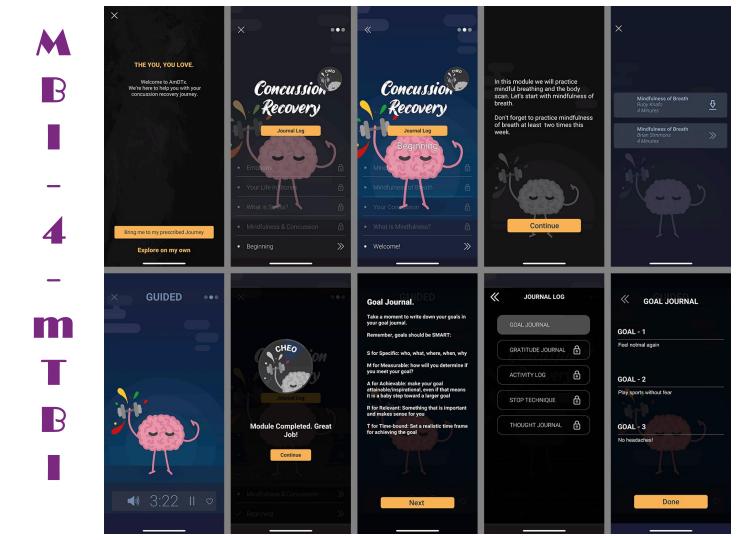
and stress

- 4-8 week custom-made program for youth
- 10-15 min/day for minimum 4 days a week



• Based on formal MBI (mindfulness-based stress reduction)





Summary

- Mental Health
- Increased risk of mental health post-concussion
- As a coach/parent:
 - Lookout for worrying indicators
 - Be open to speaking with the child/adolescent
 - Communication is key!
 - Returning to school/activities and physical activity is **IMPORTANT**

https://pedsconcussion.com/