**Brain Injury Screening Tool (BIST-3)**

Update on changes from BIST-2

**Inclusion of risk factor weightings**

***Change***: Weightings have been developed added to the individual risk factors

***Rationale:*** As some people had at least one risk factor such as a history of mental health or migraine but no other injury specific risk factors such as high symptom burden, weightings have been added to the risk factors to improve the specificity of recommendations. The weightings were developed through an extensive conjoint analysis process by a working group of clinicians using 1000 minds software. The BIST now generates a weighting score which is embedded within the pdf and digital platforms.

**Removal of ED only risk factors**

***Change***: Two items have been removed from the introductory section.

***Rationale:*** As the aim of the BIST is to identify people at risk of poor recovery and feedback from clinicians outlined that they were confident in who to refer to the ED the two items that asked about risk factors relevant only to ED referral and not linked to prolonged recovery have been removed e.g. fit/seizure and use of anticoagulants. The high-risk item was left in as this was felt to provide important context about the injury to inform the clinical assessment.

**Referral prompts**

***Change***: The referral prompts under each item have been removed

***Rationale:*** As people at risk of prolonged recovery are now identified through an algorithm that sums the item risk factor weightings where present. The item level prompts have been removed. The prompt has been left in for the high-risk injury item (item 2) as a prompt to clinicians to think about whether an ED referral might be needed.

**Removal of number of symptoms score**

***Change***: The sum of the number of symptoms indicated has been removed

***Rationale:*** This score was not found to be helpful for clinicians and did not inform the recommendation and so has been removed to keep the tool focused on core information needed for clinicians.