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Title: Subtype-based Early Intervention in Pediatric Concussion

Summary:

Concussion affects millions of children in the United States each year with recovery times averaging 4 weeks, subsequently impacting quality of life. Current acute concussion care is solely supportive care with a gradual return to activity and is not based on newer concussion subtype management. While a proportion of children with head injury present to the pediatric emergency department (ED), these often represent the most severe presentations representing the most ideal therapeutic target.

We hypothesize that children diagnosed in the pediatric ED can be feasibly classified into concussion subtypes and directed to acute subtype-based targeted therapies with shorter recovery times as compared to those who receive standard of care. We propose an observational study on epidemiology followed by a cross-sectional trial for interventional feasibility. Our questions concern study design and data analysis methods.

For more information about Data Studio: