

# Sport-Related Concussion CDE Revision History Document

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### January 2020 Revisions

- General Core CRF updated to replace 'Gender' question with 'Sex assigned at birth' and 'Gender identity'.
- Two new CDEs added to CRF: C58676 (Sex assigned at birth) and C58677 (Gender identity). C00035 has been removed
- Start-Up document updated to reflect these changes.

### July 2018 Revisions

- Substance Use CRF was revised. Question 2 text was corrected to query six or more drinks instead of five or more drinks. Question text for C00707 was also corrected.

### January 2018 Revision

The following changes were made based on the Working Group's decisions for the SRC Publication.

- The following classification changes were made to the Outcomes and Endpoint

<b>Instrument</b>	<b>Subgroup</b>	<b>Old Classification</b>	<b>Updated Classification</b>
<b>Standardized Assessment of Concussion (SAC)</b>	Subacute	Supplemental-Highly Recommended	Core
<b>Standardized Assessment of Concussion (SAC)</b>	Persistent/Chronic	Supplemental-Highly Recommended	Supplemental
<b>Rivermead Postconcussive Symptom Questionnaire (RPQ)</b>	Subacute	Supplemental-Highly Recommended	Core
<b>CNS Vital Signs</b>	Persistent/Chronic	Supplemental	Core
<b>Post-Concussive Scale (PCSI)</b>	Subacute, Persistent/Chronic	Supplemental	Core
<b>Immediate Post-Concussion Assessment</b>	Persistent/Chronic	Exploratory	Core

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<b>and Cognitive Testing (imPACT)</b>			
<b>Health and Behavior Inventory (HBI)</b>	Subacute, Persistent/Chronic	Supplemental	Core

- Children's Orientation and Amnesia Test (COAT) **moved from** Post-concussive/mild TBI related symptoms domain to Cognitive Assessment Domain
- Neurophysiological Function Domain was **changed to** Cognitive Assessment
- Post concussive/ TBI-Related Symptoms Domain was **changed to** Post-concussive/mild TBI-Related Symptoms
- Oculomotor\_Vestibular Domain was **changed to** Vestibular Function
- Quality of Life Domain **changed to** Quality of Life/Patient Reported Outcomes
- The following changes were updated to the SRC Start-Up Document:
  1. Health and Behavior Inventory (HBI) was **added** to the Acute time-frame Core measures
  2. Post-concussion Symptom Inventory (PCSI) was **added** to the Acute time-frame Core measures
  3. The Rivermead Postconcussive Symptom Questionnaire (RPQ) was **added** to the Acute time-frame Core measures
  4. Post-concussion Symptom Inventory (PCSI) was **added** to the Acute time-frame Core measures
  5. Health and Behavior Inventory (HBI) was **added** to the Persistent/Chronic time-frame Core measures
  6. Post-concussion Symptom Inventory (PCSI) was **added** to the Persistent/Chronic time-frame Core measures
  7. The Rivermead Postconcussive Symptom Questionnaire (RPQ) was **removed** from the Subacute Supplemental-Highly Recommended measures
  8. Hopkins Verbal Learning Test -Revised (HVLT-R) was **added** to the Persistent/Chronic Supplemental-Highly Recommended measures
  9. Standardized Assessment of Concussion (SAC) was **removed** from the Persistent/Chronic Supplemental-Highly Recommended measures
  10. Footnote of last Modified date was **updated** to 2/1/2018
- The following changes were updated to the SRC Highlight Summary:
  1. The Rivermead Postconcussive Symptom Questionnaire (RPQ) was **removed** from Subacute list of Supplemental-Highlight Recommended measures under the Subgroup - Sport-Related Concussion
  2. Dizziness Handicap Inventory (DHI) was **added** to the Persistent/Chronic list of Supplemental-Highlight Recommended measures under the Subgroup - Sport-Related Concussion
  3. Subgroup name *Outcomes and End Points; Post Concussive TBI Related Symptoms* **was updated to** *Outcomes and End Points; Post-Concussion/mild TBI Related Symptoms*
  4. Subgroup name *Outcomes and End Points; Oculomotor/Vestibular* **was updated to** *Outcomes and End Points; Vestibular and Oculo Motor Function*

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5. Subgroup name *Outcomes and End Points; Neuropsychological Function* was **updated to** *Outcomes and End Points; Cognitive Assessments*
  6. The Children's Orientation and Amnesia Test (COAT) was **added** to *Outcomes and End Points; Cognitive Assessments* as SHR for the Acute timeframe
  7. Persistent/Chronic timeframe was **removed** from the Standardized Assessment of Concussion (SAC) under the *End Points; Cognitive Assessments* Subgroup
  8. Core measures: Automated Neuropsychological Assessment Metrics (ANAM), Axon Sports Computerized Cognitive Assessment Tool (CCAT); Immediate Post-Concussion Assessment and Cognitive Testing (imPACT); and CNS Vital Signs **were removed** from the *Outcomes and End Points; Post-Concussion/mild TBI Related Symptoms* as they are noted the Cognitive Assessments
  9. Health and Behavior Inventory (HBI) was **added** to the list of Core measures in *Outcomes and End Points; Post-Concussion/mild TBI Related Symptoms* for the Subacute and Persistent/Chronic timeframes
  10. The Rivermead Postconcussive Symptom Questionnaire (RPQ) for the Subacute timeframe was **removed** from SHR and **added** to Core in the *Outcomes and End Points; Post-Concussion/mild TBI Related Symptoms*
  11. The Children's Orientation and Amnesia Test (COAT) was **removed** from the *Outcomes and End Points; Post-Concussion/mild TBI Related Symptoms* as it is noted in the Cognitive Assessments.
- The following Notice of Copyrights were updated with classification changes, formatting and/or functional links:
    1. Automated\_Neuropsychological\_Assessment\_Metrics
    2. Axon\_Sports\_Computerized\_Cognitive\_Assessment\_Tool
    3. Behavioral\_Rating\_Inventory\_of\_Executive\_Function\_Second\_Edition
    4. Brief\_Symptom\_Inventory\_18
    5. Brief\_Visuospatial\_Memory\_Test
    6. Child\_and\_Adolescent\_Scale\_of\_Participation
    7. Child\_Behavior\_Checklist
    8. Child\_SCAT\_3
    9. CNS\_Vital\_Signs
    10. Cognitive\_Battery\_NIH\_Toolbox
    11. Conners\_III
    12. Controlled\_Oral\_Word\_Association\_Test
    13. Dizziness\_Handicap\_Inventory
    14. Dynamic\_Gait\_Index
    15. Dynamic\_Visual\_Acuity\_Test
    16. Family\_Assessment\_Device
    17. Family\_Burden\_of\_Injury\_Interview
    18. Family\_History\_Research\_Diagnostic\_Criteria
    19. Frontal\_Systems\_Behavior\_Scale
    20. Functional\_Gait\_Assessment
    21. Hopkins\_Verbal\_Language\_Test\_Revised
    22. Immediate\_Post\_Concussion\_Assessment\_and\_Cognitive\_Testing
    23. NIH\_Toolbox\_Sensory\_Battery
    24. NIH\_Toolbox\_Standing\_Balance\_Test
    25. Pittsburgh\_Sleep\_Quality\_Index
    26. Post\_Concussion\_Symptom\_Inventory
    27. Postconcussion\_Symptom\_Scale
    28. Rey\_Auditory\_Verbal\_Learning\_Test
    29. Rivermead\_Post\_Concussion\_Symptoms\_Questionnaire
    30. Sport\_Concussion\_Assessment\_Tool\_(SCAT\_3\_&\_5)
    31. Test\_for\_Premorbid\_Functioning
    32. Test\_of\_Everyday\_Attention
    33. Test\_of\_Executive\_Control
    34. Test\_of\_Word\_Reading\_Efficiency\_2
    35. The\_UCLA\_PTSD\_Index\_for\_DSM\_5
    36. Trail\_Making\_Test
    37. Vestibular\_Ocular\_Motor\_Screening\_(VOMS)
    38. Wide\_Range\_Assessment\_of\_Memory\_and\_Learning
    39. Word\_Reading\_Subtest\_Wide\_Range\_Achievement\_Test

# Sport-Related Concussion CDE Revision History Document

## December 2017 Revisions

- The references on the Quality of Life after Brain Injury (QOLIBRI) Notice of Copyright was updated

## November 2017 Revisions

- The title “Sports-Related Concussion” was changed to “Sport-Related Concussion” on the NINDS CDE website.
- Instructions on the Treatment and Intervention case report form were updated to remove mention of biomarkers and collection of specimens
- Revisions made to the Highlight Summary Document. Change General Core Classification from Supplemental to Core under the Participant Characteristics; Demographics domain.

<b><i>Participant Characteristics; Demographics</i></b>	<b>Core:</b> General Core <b>Supplemental – Highly Recommended:</b> <b>Supplemental:</b> Demographic <b>Exploratory:</b>
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## October 2017 Revisions

- The mention of Spinal Cord Injury was removed from the instructions of the Injury Report and Vital Signs Test case report forms.

## August 2017 Revisions

- Links on the following Notice of Copyrights were updated to functioning sites:
  1. Brief Sensation Seeking Scale (BSSS)
  2. Axon Sports Computerized Cognitive Assessment Tool (CCAT) ©
  3. Standardized Assessment of Concussion
  4. Brief Symptom Inventory-18 (BSI-18) ©
  5. Sport Concussion Assessment Tool (SCAT-3) or (SCAT-5) (goes to SCAT-2)
  6. PTSD Checklist
  7. Dynamic Gait Index (DGI)

## June 2017 Revisions

- Sport-Related Concussion (SRC) CDEs were posted to the NINDS CDE website

## **Sport-Related Concussion CDE Revision History Document**

- Revisions made to SRC Roster