



NIH Resources

The NINDS also strongly encourages researchers to use these NIH developed materials for NINDS-sponsored research, when appropriate. Utilization of these resources will enable greater consistency for NINDS-sponsored research studies. These tools are free of charge.

- National Institutes of Health (NIH) Toolbox
- Quality of Life in Neurological Disorders (Neuro-QOL)
- Patient-Reported Outcomes Measurement Information System (PROMIS)

Suicidal Ideation

Investigators should review the FDA’s ["Guidance for Industry: Suicidal Ideation and Behavior: Prospective Assessment of Occurrence in Clinical Trials"](#) for the most up-to-date information about suicidal ideation and behavior. One scale that FDA suggests is the Columbia Suicide Severity Rating Scale (C-SSRS) (available at [Columbia Suicide Severity Rating Scale](#)).

Disease/Domain; Subdomain	Recommendations and List of Forms
NeuroRehab	<p>Core and Supplemental-Highly Recommended CDEs:</p> <p>See Start-Up Resource Listing document: NeuroRehab Start-Up Resource Listing</p> <p>Guidance for Industry: Suicidal Ideation and Behavior: Prospective Assessment of Occurrence in Clinical Trials</p>
Participant Characteristics/ Demographics	<p>General Core: General Core</p> <p>NeuroRehab Core: Infant Pediatrics Demographics</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: N/A</p>
Assessments and Examinations/ Autonomic	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Composite Autonomic Symptom Scale</p>



Disease/Domain; Subdomain	Recommendations and List of Forms
Assessments and Examinations/ Comorbidities	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Boston Naming Test (BNT) - 30-item version; PROMIS Item Bank v1.0 - Alcohol: Negative Consequences; PROMIS Item Bank v1.0 - Dyspnea Functional Limitations</p>
Assessments and Examinations/ General and Motor	<p>General Core: N/A</p> <p>NeuroRehab Core: Assessments and Examinations Demographic and Clinical Conditions</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Assessments and Examinations Demographic and Clinical Conditions; Fugl-Meyer Assessment; Functional Gait Assessment</p>
Assessments and Examinations/ Other Clinical Data	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab Sport Related Concussion Core: Immediate Post-Concussion Assessment and Cognitive Testing (imPACT); Post Concussion Symptom Scale</p> <p>NeuroRehab Supplemental-Highly Recommended: Brief Symptom Inventory-18 (BSI-18); Patient-Reported Outcomes Measurement Information System (PROMIS); Rivermead Post-Concussive Symptoms Questionnaire (RPQ)</p>
Assessments and Examinations/ Physical/Neurological Examination	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab Stroke Core: NIH Stroke Scale (NIHSS)</p> <p>NeuroRehab Supplemental-Highly Recommended: Glasgow Coma Scale (GCS)</p>
Treatment/Intervention Data/ Devices	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Devices: Communication; Devices: Mobility and Manipulation</p>



Disease/Domain; Subdomain	Recommendations and List of Forms
Outcomes and End Points/ Academic/Intellectual Functioning	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Test of Premorbid Functioning; Wechsler Adult Intelligence Scale - Fourth Edition (WAIS-IV); Word Reading Subtest of the Wide Range Achievement Test (WRAT-4)</p>
Outcomes and End Points/ Activities of Daily Living/Performance	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Barthel Index; Functional Independence Measure (FIM)</p>
Outcomes and End Points/ Amnesia/Coma	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Galveston Orientation and Amnesia Test (GOAT); JFK Coma Recovery Scale- Revised</p>
Outcomes and End Points/ Attention/Working Memory	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Letter-Number Sequencing Subtest; NIH Toolbox Flanker Inhibitory Control Attention Test; Wechsler Adult Intelligence Scale-Fourth Edition (WAIS-IV) - Digit Span Subtest</p>
Outcomes and End Points/ Behavioral Function	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Alcohol Use Disorders Identification Test: Self-Report Version (AUDIT); Frontal Behavioral Inventory (FBI); Frontal Systems Behavioral Scale (FrSBe)</p>



Disease/Domain; Subdomain	Recommendations and List of Forms
Outcomes and End Points/ Cognitive Activity Limitations	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Functional Independence Measure - Cognition Subscale (Cog-FIM); PROMIS Item Bank v2.0 - Cognitive Function; PROMIS Item Bank v2.0 - Cognitive Function Abilities Subset</p>
Outcomes and End Points/ Cognitive Assessment	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Brief Test of Adult Cognition by Telephone (BTACT); NIH Toolbox Cognitive Battery; Repeatable Battery for Assessment of Neuropsychological Status (RBANS)</p>
Outcomes and End Points/ Communication	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Stroke and Aphasia Quality of Life-39 (SAQOL-39)</p>
Outcomes and End Points/ Disease-Specific Health-Related Quality of Life	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: HDQLIFE; Headache Impact Test-6 (HIT-6); Myotonic Dystrophy Health Index (MDHI); Parkinson's Disease Quality of Life Scale (PDQUALIF); Spinal Cord Injury - Quality of Life (SCI-QOL); Traumatic Brain Injury - Quality of Life (TBI-QOL)</p>
Outcomes and End Points/ Dysphagia	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Huntington's Disease Dysphasia Scale; Quality of Life in Swallowing Disorders (SWAL-QOL); Swallowing Disturbance Questionnaire (SDQ)</p>



Disease/Domain; Subdomain	Recommendations and List of Forms
Outcomes and End Points/ Emotional and Cognitive Status	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: PROMIS Item Bank v1.0 - Self-Efficacy for Managing Emotions</p>
Outcomes and End Points/ Emotional Impairment	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Apathy Evaluation Scale; Beck Anxiety Inventory (BAI); Beck Depression Inventory II (BDI-II)</p>
Outcomes and End Points/ Emotional/Behavioral	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: NIH Toolbox Emotional Battery; PROMIS Item Bank v1.0 - Emotional Distress - Anxiety; PROMIS Item Bank v1.0 - Emotional Distress - Depression (Calibrated Items)</p>
Outcomes and End Points/ Executive Functioning	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Five-Point Test (5-PT); Stroop Test</p>
Outcomes and End Points/ Eye Hand Motor	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Grooved Pegboard Test</p>
Outcomes and End Points/ Functional Outcomes	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: 10 Meter Timed Walk; Box and Blocks Test of Manual Dexterity; Timed Up and Go (TUG)</p>



Disease/Domain; Subdomain	Recommendations and List of Forms
Outcomes and End Points/ Generic Health-Related Quality of Life	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: PROMIS-29 Profile; Short Form 36-Item Health Survey (SF-36); World Health Organization Quality of Life Assessment (WHOQOL-BREF)</p>
Outcomes and End Points/ Global Health-Related Quality of Life Outcome	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: PROMIS Item Bank v1.2 - Global Health; Quality of Life in Neurological Disorders (Neuro-QOL)</p>
Outcomes and End Points/ Instrumental Activities of Daily Living	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Assessment of Life Habits (LIFE-H)</p>
Outcomes and End Points/ Language	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Animal Naming; Controlled Oral Word Association Test (COWAT) Subtest of the Multilingual Aphasia Examination (MAE); Token Test; Western Aphasia Battery Revised</p>
Outcomes and End Points/ Memory	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Brief Visuospatial Memory Test Revised (BVM-T-R); Hopkins Verbal Learning Test - Revised (HVLT-R); Rey Auditory Verbal Learning Test (RAVLT)</p>



Disease/Domain; Subdomain	Recommendations and List of Forms
Outcomes and End Points/ Mood/Anxiety	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Generalized Anxiety Disorder (GAD-7); Hospital Anxiety and Depression Scale (HADS); Patient Health Questionnaire - 9 (PHQ-9) Depression Scale</p>
Outcomes and End Points/ Pain	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Brief Pain Inventory (Short Form); PROMIS Item Bank v1.1 - Pain Interference; PROMIS Item Bank v2.0 - Pain Behavior</p>
Outcomes and End Points/ Participation	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: PROMIS v2.0 - Ability to Participate in Social Roles and Activities; PROMIS v2.0 - Satisfaction with Social Roles and Activities</p>
Outcomes and End Points/ Pediatric	<p>General Core: N/A</p> <p>NeuroRehab Core: Pediatric Quality of Life Inventory (PedsQL); Strengths and Difficulties Questionnaire (SDQ), combined Full and Followup versions</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: N/A</p>
Outcomes and End Points/ Performance Validity Tests	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Medical Symptom Validity Test (MSVT); Test of Memory Malingering (TOMM); Victoria Symptom Validity Test (VSVT)</p>



Disease/Domain; Subdomain	Recommendations and List of Forms
Outcomes and End Points/ Physical Function	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: 2 Minute Walk Test; 6 Minute Walk Test; Borg Rating of Perceived Exertion (RPE) Scale</p>
Outcomes and End Points/ Processing Speed	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Processing Speed Index of the Wechsler Adult Intelligence Scale-Fourth Edition (WAIS-IV); Symbol Digit Modalities Test; Trail Making Test</p>
Outcomes and End Points/ Psychiatric and Psychological Functions	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Apathy Scale (AS); Columbia - Suicide Severity Rating Scale (C-SSRS); Impact of Event Scale (IES)</p>
Outcomes and End Points/ Psychiatric and Psychological Status	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Alcohol, Smoking, and Substance Use Involvement Screening Test (ASSIST); PTSD Checklist for DSM-5 (PCL-5); Structured Clinical Interview for DSM-5 Axis I Disorders Research Version (SCID-5-RV)</p>
Outcomes and End Points/ Psychological Status	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Center for Epidemiologic Studies-Depression Scale (CES-D); Hamilton Anxiety Rating Scale (HAM-A); Hamilton Depression Rating Scale (HDRS)</p>



Disease/Domain; Subdomain	Recommendations and List of Forms
Outcomes and End Points/ Screening	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Mini-Mental State Examination (MMSE); Montreal Cognitive Assessment (MoCA); Telephone Interview for Cognitive Status (TICS)</p>
Outcomes and End Points/ Sleep	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Neuro-QOL Adult Bank - Sleep Disturbance; PROMIS Item Bank v1.0 - Sleep Disturbance; PROMIS Item Bank v1.0 - Sleep Related Impairment</p>
Outcomes and End Points/ Speech	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Acoustic Analysis of Speech; Voice Handicap Index (VHI)</p>
Outcome and End Points/ Trunk Control/Balance	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Activities Specific Balance Confidence Scale (ABC-Scale); Berg Balance Scale (BBS); Mini-Balance Evaluation Systems Test (Mini-BESTest)</p>
Outcomes and End Points/ Visual	<p>General Core: N/A</p> <p>NeuroRehab Core: N/A</p> <p>NeuroRehab [Disease] Core: N/A</p> <p>NeuroRehab Supplemental-Highly Recommended: Judgment of Line Orientation (Benton JLO); Rey-Osterrieth Complex Figure Test (ROCF)</p>