



Summary of Core and Supplemental – Highly Recommended Recommendations: NeuroRehab CDEs

Start-up Resource – NINDS NeuroRehab CDE Recommendations

The National Institute of Neurological Disorders and Stroke (NINDS) and other Federal agencies and international organizations have the common mission of developing data standards for clinical research. Through the efforts of subject-specific working groups, topic-driven data elements have been created. The first set of Common Data Elements (CDEs) for Rehabilitation Research in Neurological Disorders (NeuroRehab) was developed from 2020-2021, in partnership with the National Center for Medical Rehabilitation Research (NCMRR) of the National Institute of Child Health and Human Development (NICHD). The Core and Supplemental – Highly Recommended data elements to be used by an investigator when beginning a research study are listed in this resource document. Supplemental and Exploratory classifications were not utilized by the NeuroRehab CDE project.

Each CDE or instrument could be classified according to the definitions below:

General Core: A data element that is required for all NINDS funded studies.

NeuroRehab Core: A data element or measure that collects essential information applicable to all NeuroRehab clinical studies/trials across neurological disorders listed in the NINDS CDE Project. The NeuroRehab CDE Working Group subject matter experts assigned the NeuroRehab Core classification based on the criteria for selecting measurements. The NeuroRehab Core CDEs are a small subset of the available CDEs, restricted to those that the Working Group anticipated investigators would need to collect for any type of NeuroRehab clinical study. The NeuroRehab Core CDEs are required to be collected at a minimum for all NeuroRehab clinical studies. Some domains do not have any NeuroRehab Core CDEs.

NeuroRehab [Disease] Core: A data element or measure that collects essential information applicable to a specific neurological disorder that was developed by the NINDS CDE Project. The NeuroRehab [Disease] Core CDEs are recommended to be collected at a minimum when a NeuroRehab study is being conducted in a specific disease area. These data elements or measures followed the criteria for selecting measurements (reliability, validity, etc.). For example, all Stroke studies/trials must use at a minimum the NeuroRehab Stroke Core CDEs/instruments recommended for Stroke.

NeuroRehab Supplemental – Highly Recommended: A data element or measure which is considered essential based on certain conditions or study types in NeuroRehab clinical studies. Subject matter experts focused on selecting up to 3 CRF modules or instruments per subdomain within their subgroup. Following the criteria for selecting measurements, these data elements or measures are extensively validated and widely used. There are extensive psychometric properties reported (i.e., responsiveness, reliability) and evidence of use in several NeuroRehab studies. There is evidence of construct validity often using large samples and/or various supportive studies. These data elements are strongly recommended for NeuroRehab clinical studies depending on the disease area, study design, protocol or type of research involved. The NeuroRehab CDE project focused on the neurological diseases that are part of the NINDS CDE Project. Other neurological diseases and conditions identified by the subgroup are considered “gap areas”. If appropriate, these data elements are also disease agnostic.

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<p>National Institute of Health (NIH) Resources: <i>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.</i></p>	<ul style="list-style-type: none"> • NIH Toolbox • Quality of Life in Neurological Disorders (Neuro-QOL) • Patient-Reported Outcomes Measurement Information System (PROMIS)
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Core CDEs for all NINDS Studies¹:

Domain; Sub-Domain	CDE Name	CDE ID	Study Type
Participant Characteristics; Demographics	Birth date	C00007	All studies
Participant Characteristics; Demographics	Ethnicity USA category	C00020	All studies
Participant Characteristics; Demographics	Race USA category	C00030	All studies
Participant Characteristics; Demographics	Birth sex assigned type	C58676	All studies
Participant Characteristics; Demographics	Gender identity type	C58677	All studies
Participant Characteristics; Demographics	Medical history condition text	C00322	All studies
Participant Characteristics; Demographics	Medical history condition SNOMED CT code	C00313	All studies

Core CDEs for Infant Pediatric NeuroRehab Studies:

Domain; Subdomain	CDE Name	CDE ID
Participant Characteristics; Demographics	Education level primary caregiver USA type	C00013
Participant Characteristics; Demographics	Family income range	C00205
Participant Characteristics; Demographics	Health insurance type	C00226
Participant Characteristics; Demographics	Birth weight report value	C00311
Participant Characteristics; Demographics	Weight unit of measure	C01581
Participant Characteristics; Demographics	Household member total count	C13485
Participant Characteristics; Demographics	Health insurance other text	C18684
Participant Characteristics; Demographics	Gestational age value range	C21620

¹ Note: Education year count C00015 is no longer a general Core CDE

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Core CDEs for NeuroRehab Studies:

Domain; Subdomain	CDE Name	CDE ID
Assessments and Examinations; General and Motor	Birth date	C00007
Assessments and Examinations; General and Motor	Medical history condition start date and time	C00317
Assessments and Examinations; General and Motor	Therapy or rehabilitation type	C05130
Assessments and Examinations; General and Motor	Data collected date and time	C06005
Assessments and Examinations; General and Motor	Data source	C08147
Assessments and Examinations; General and Motor	Ambulatory status	C14639
Assessments and Examinations; General and Motor	Site name	C17402
Assessments and Examinations; General and Motor	Data unknown text	C18153
Assessments and Examinations; General and Motor	Clinical trial name	C19126
Assessments and Examinations; General and Motor	Subject ID	C19247
Assessments and Examinations; General and Motor	Study protocol name	C19256
Assessments and Examinations; General and Motor	Assessment performed date	C19500
Assessments and Examinations; General and Motor	Neurological disorder indicator	C55575
Assessments and Examinations; General and Motor	Birth sex assigned type	C58676
Assessments and Examinations; General and Motor	Gender identity type	C58677

Supplemental – Highly Recommended CDEs for NeuroRehab studies:

Domain; Subdomain	CDE Name	CDE ID
Assessments and Examinations; General and Motor	Adverse event relatedness scale	C02304
Assessments and Examinations; General and Motor	Adverse event verbatim term text	C02307
Assessments and Examinations; General and Motor	Adverse event during study indicator	C02308
Assessments and Examinations; General and Motor	Serious adverse event indicator	C02309
Assessments and Examinations; General and Motor	Adverse event CTCAE low level term name	C02310
Assessments and Examinations; General and Motor	Adverse event MedDRA lower level term code	C02311
Assessments and Examinations; General and Motor	Hypertension indicator	C05454
Assessments and Examinations; General and Motor	Pain location anatomic site	C06059
Assessments and Examinations; General and Motor	Pain location indicator	C06060

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Domain; Subdomain	CDE Name	CDE ID
Assessments and Examinations; General and Motor	Event description text	C17447
Assessments and Examinations; General and Motor	Data source other text	C18667
Assessments and Examinations; General and Motor	Therapy or rehabilitation other text	C18768
Assessments and Examinations; General and Motor	Balance falls frequency	C21925
Assessments and Examinations; General and Motor	Pain present eleven point intensity scale	C22804
Assessments and Examinations; General and Motor	Data source family relation specify text	C52564
Assessments and Examinations; General and Motor	Diabetes mellitus medical history indicator	C53062
Assessments and Examinations; General and Motor	Arthritis Indicator	C55568
Assessments and Examinations; General and Motor	Sleep problem diagnosis type	C57102
Assessments and Examinations; General and Motor	Birth sex assigned type other text	C58780
Assessments and Examinations; General and Motor	Gender identity type other text	C58781
Treatment/Intervention Data; Devices	Fall rate	C10697
Treatment/Intervention Data; Devices	Sitting ability status	C10699
Treatment/Intervention Data; Devices	Walking difficulty level status	C10701
Treatment/Intervention Data; Devices	Walking own unable reason	C10702
Treatment/Intervention Data; Devices	Walking difficulty age support first needed value	C10706
Treatment/Intervention Data; Devices	Walking difficulty age permanent support started value	C10707
Treatment/Intervention Data; Devices	Wheelchair primary mobility means age value	C10708
Treatment/Intervention Data; Devices	Walking assistive device indicator	C10709
Treatment/Intervention Data; Devices	Walking 1 cane use indicator	C10710
Treatment/Intervention Data; Devices	Walking cane use age started value	C10711
Treatment/Intervention Data; Devices	Walking use 2 cane crutch indicator	C10712
Treatment/Intervention Data; Devices	Walking cane or crutches pair use age started value	C10713
Treatment/Intervention Data; Devices	Walker use indicator	C10714
Treatment/Intervention Data; Devices	Walker use age started value	C10715
Treatment/Intervention Data; Devices	Wheelchair use indicator	C10718
Treatment/Intervention Data; Devices	Wheelchair use age started value	C10719
Treatment/Intervention Data; Devices	Walking other assistive device use indicator	C10720
Treatment/Intervention Data; Devices	Walking other assistive device use age started value	C10721
Treatment/Intervention Data; Devices	Walking primary assistive device daily use duration	C10722
Treatment/Intervention Data; Devices	Position device use indicator	C12673

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Domain; Subdomain	CDE Name	CDE ID
Treatment/Intervention Data; Devices	Mobility device use indicator	C12679
Treatment/Intervention Data; Devices	Orthosis use indicator	C12682
Treatment/Intervention Data; Devices	Mobility device type	C12683
Treatment/Intervention Data; Devices	Mobility device type use indicator	C12684
Treatment/Intervention Data; Devices	Wheelchair use frequency	C12685
Treatment/Intervention Data; Devices	Orthosis type use indicator	C12686
Treatment/Intervention Data; Devices	Orthosis knee ankle foot orthosis ischial weight bearing indicator	C12688
Treatment/Intervention Data; Devices	Orthosis type	C12943
Treatment/Intervention Data; Devices	Therapy or rehabilitation received status	C14286
Treatment/Intervention Data; Devices	Durable medical equipment indicator	C14292
Treatment/Intervention Data; Devices	Durable medical equipment type	C14293
Treatment/Intervention Data; Devices	Walking difficulty age need intermittent support indicator	C17511
Treatment/Intervention Data; Devices	Walking difficulty age need permanent support indicator	C17512
Treatment/Intervention Data; Devices	Wheelchair primary mobility means age indicator	C17517
Treatment/Intervention Data; Devices	Positioning device text	C17970
Treatment/Intervention Data; Devices	Data unknown text	C18153
Treatment/Intervention Data; Devices	Therapy rehabilitation indicator	C18176
Treatment/Intervention Data; Devices	Therapy rehabilitation session duration	C18181
Treatment/Intervention Data; Devices	Therapy rehabilitation frequency	C18182
Treatment/Intervention Data; Devices	Wheelchair driven subject indicator	C18183
Treatment/Intervention Data; Devices	Other mobility device type	C18188
Treatment/Intervention Data; Devices	Regular daily tilt indicator	C18190
Treatment/Intervention Data; Devices	Serial cast start date	C18191
Treatment/Intervention Data; Devices	Serial cast stop date	C18192
Treatment/Intervention Data; Devices	Support stand use indicator	C18193
Treatment/Intervention Data; Devices	Upper extremity device indicator	C18197
Treatment/Intervention Data; Devices	Ankle foot orthosis use type	C18198
Treatment/Intervention Data; Devices	Therapeutic stretching type	C18200
Treatment/Intervention Data; Devices	Mobility device other text	C18870

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Domain; Subdomain	CDE Name	CDE ID
Treatment/Intervention Data; Devices	Orthosis other text	C18883
Treatment/Intervention Data; Devices	Durable medical equipment other text	C18914
Treatment/Intervention Data; Devices	Therapy rehabilitation session other text	C19066
Treatment/Intervention Data; Devices	Other mobility device other text	C19067
Treatment/Intervention Data; Devices	Upper extremity device specify text	C19068
Treatment/Intervention Data; Devices	Rehabilitation services assessment/reception indicator	C19136
Treatment/Intervention Data; Devices	Discipline types	C19140
Treatment/Intervention Data; Devices	Discipline other text	C19141
Treatment/Intervention Data; Devices	Spinal cord injury upper extremity assistive device use frequency value	C19493
Treatment/Intervention Data; Devices	Fall details assistive device type	C21639
Treatment/Intervention Data; Devices	Fall details assistive device specify text	C21640
Treatment/Intervention Data; Devices	Orthosis stander type	C21644
Treatment/Intervention Data; Devices	Orthosis walker type	C21645
Treatment/Intervention Data; Devices	Walker wheel number	C21648
Treatment/Intervention Data; Devices	Single orthosis side designator	C21649
Treatment/Intervention Data; Devices	Upper extremity orthosis type	C21651
Treatment/Intervention Data; Devices	Elbow wrist orthosis type	C21652
Treatment/Intervention Data; Devices	Hand Orthosis Type	C21653
Treatment/Intervention Data; Devices	Back brace indicator	C21654
Treatment/Intervention Data; Devices	Back brace frequency type	C21655
Treatment/Intervention Data; Devices	Orthosis other type	C21656
Treatment/Intervention Data; Devices	Therapy rehabilitation ICD 10 CM code	C21667
Treatment/Intervention Data; Devices	Communication device new provide indicator	C22609
Treatment/Intervention Data; Devices	Communication device type	C22610
Treatment/Intervention Data; Devices	Communication device other text	C22611
Treatment/Intervention Data; Devices	Home modification provide indicator	C22612
Treatment/Intervention Data; Devices	Home modification durable medical equipment type	C22613
Treatment/Intervention Data; Devices	Home medical equipment other text	C22614
Treatment/Intervention Data; Devices	Gross Motor Function Classification System (GMFCS) - Level scale	C22899

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Domain; Subdomain	CDE Name	CDE ID
Treatment/Intervention Data; Devices	Manual Ability Classification System (MACS) - Level scale	C22900
Treatment/Intervention Data; Devices	Physical therapy adaptive equipment orthotic session type	C22908
Treatment/Intervention Data; Devices	Physical therapy orthoses type	C22911
Treatment/Intervention Data; Devices	Walker use type	C56951
Treatment/Intervention Data; Devices	Crutch use type	C56952
Treatment/Intervention Data; Devices	Cane stick use type	C56953
Treatment/Intervention Data; Devices	Dynamic upper extremity orthosis splint use frequency type	C56954
Treatment/Intervention Data; Devices	Transfer transportation device use indicator	C58470
Treatment/Intervention Data; Devices	ADL device use indicator	C58471
Treatment/Intervention Data; Devices	Mobility device use frequency type	C58473
Treatment/Intervention Data; Devices	Mobility device use distance type	C58474
Treatment/Intervention Data; Devices	Mobility device use location type	C58475
Treatment/Intervention Data; Devices	Mobility device use location type other text	C58476
Treatment/Intervention Data; Devices	Cane stick use laterality type	C58477
Treatment/Intervention Data; Devices	Orthosis laterality type	C58479
Treatment/Intervention Data; Devices	AFO type	C58480
Treatment/Intervention Data; Devices	Dynamic upper extremity orthosis splint use anatomic site	C58481
Treatment/Intervention Data; Devices	Static upper extremity orthosis splint use frequency type	C58482
Treatment/Intervention Data; Devices	Static upper extremity orthosis splint use anatomic site	C58483
Treatment/Intervention Data; Devices	Dynamic lower extremity stretch orthosis splint use frequency type	C58484
Treatment/Intervention Data; Devices	Dynamic lower extremity stretch orthosis splint use anatomic site	C58485
Treatment/Intervention Data; Devices	Static lower extremity stretch orthosis splint use frequency type	C58486
Treatment/Intervention Data; Devices	Static lower extremity stretch orthosis splint use anatomic site	C58487

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Domain; Subdomain	CDE Name	CDE ID
Treatment/Intervention Data; Devices	Position device type	C58488
Treatment/Intervention Data; Devices	Seat lie position device type	C58489
Treatment/Intervention Data; Devices	Position device type other text	C58490
Treatment/Intervention Data; Devices	Activity daily living device type	C58491
Treatment/Intervention Data; Devices	Bath device type	C58492
Treatment/Intervention Data; Devices	Activity Daily Living device type other text	C58493
Treatment/Intervention Data; Devices	Bath device type other text	C58494
Treatment/Intervention Data; Devices	Toilet device type	C58495
Treatment/Intervention Data; Devices	Toilet device type other text	C58496
Treatment/Intervention Data; Devices	Transfer transportation device type	C58497
Treatment/Intervention Data; Devices	Transfer transportation device type other text	C58498
Treatment/Intervention Data; Devices	Transfer device type	C58499
Treatment/Intervention Data; Devices	Transportation device type other text	C58500
Treatment/Intervention Data; Devices	Transportation device type	C58501
Treatment/Intervention Data; Devices	Communication devices category type	C58502
Treatment/Intervention Data; Devices	Communication device category type other text	C58503
Treatment/Intervention Data; Devices	Speak communication device type	C58504
Treatment/Intervention Data; Devices	Speak communication device type other text	C58505
Treatment/Intervention Data; Devices	IPAD application text	C58506
Treatment/Intervention Data; Devices	Android application text	C58507
Treatment/Intervention Data; Devices	Dedicate speech generating device manufacturer name	C58508
Treatment/Intervention Data; Devices	Dedicate speech generating device name	C58509
Treatment/Intervention Data; Devices	Nonspeak communication device type	C58510
Treatment/Intervention Data; Devices	Nonspeak communication device type other text	C58511
Treatment/Intervention Data; Devices	Access communication device type	C58512
Treatment/Intervention Data; Devices	Access communication device type other text	C58513
Treatment/Intervention Data; Devices	Dynamic upper extremity orthosis splint frequency use laterality type	C58567
Treatment/Intervention Data; Devices	Dynamic upper extremity orthosis splint use anatomic site laterality type	C58568
Treatment/Intervention Data; Devices	Static upper extremity orthosis splint frequency use laterality type	C58569

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Domain; Subdomain	CDE Name	CDE ID
Treatment/Intervention Data; Devices	Static upper extremity orthosis splint use anatomic site laterality type	C58570
Treatment/Intervention Data; Devices	Dynamic lower extremity stretch orthosis splint frequency use laterality type	C58571
Treatment/Intervention Data; Devices	Dynamic lower extremity stretch orthosis splint use anatomic site laterality type	C58572
Treatment/Intervention Data; Devices	Static lower extremity stretch orthosis splint frequency use laterality type	C58573
Treatment/Intervention Data; Devices	Static lower extremity stretch orthosis splint use anatomic site laterality type	C58574
Treatment/Intervention Data; Devices	Activity daily living device type use indicator	C58575
Treatment/Intervention Data; Devices	Eat drink assistive device type	C58577
Treatment/Intervention Data; Devices	Eat drink assistive device type other text	C58578
Treatment/Intervention Data; Devices	Mobility device use propel type	C58617
Treatment/Intervention Data; Devices	Mobility device use propel type other text	C58618
Treatment/Intervention Data; Devices	Truncal support device type	C58619
Treatment/Intervention Data; Devices	Truncal support device type other text	C58620
Treatment/Intervention Data; Devices	Stand time use type	C58621
Treatment/Intervention Data; Devices	Number minutes day duration	C58622
Treatment/Intervention Data; Devices	Number days week count	C58623
Treatment/Intervention Data; Devices	Transfer transportation device type use indicator	C58624
Treatment/Intervention Data; Devices	Communication device type use indicator	C58625
Treatment/Intervention Data; Devices	Transfer device type other text	C58626
Treatment/Intervention Data; Devices	Crutch use laterality type	C58630
Treatment/Intervention Data; Devices	Position device type use indicator	C58631
Treatment/Intervention Data; Devices	Access communication device type another body part specify text	C58632
Treatment/Intervention Data; Devices	Therapy or rehabilitation received status other text	C58875
Treatment/Intervention Data; Devices	Assistive device use indicator	C58879
Treatment/Intervention Data; Devices	Assistive device type	C58880
Treatment/Intervention Data; Devices	Assistive device other text	C58882

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Domain; Subdomain	CDE Name	CDE ID
Treatment/Intervention Data; Devices	Walking primary assistive device daily use duration not applicable status	C59011

General Core for all Studies:

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 Website](#)).

NeuroRehab Core Pediatric Instruments:

1. Pediatric Quality of Life Inventory (PedsQL) (ages 2-18)
2. Strengths and Difficulties Questionnaire (SDQ), combined Full and Followup versions (ages 3-16)

NeuroRehab Sport Related Concussion Core Instruments:

1. Immediate Post-Concussion Assessment and Cognitive Testing (imPACT)
2. Post Concussion Symptom Scale

NeuroRehab Stroke Core Instrument:

1. NIH Stroke Scale (NIHSS)

NeuroRehab Supplemental – Highly Recommended Instruments:

1. 10 Meter Timed Walk
2. 2 Minute Walk Test
3. 6 Minute Walk Test
4. Acoustic Analysis of Speech
5. Activities Specific Balance Confidence Scale (ABC-Scale)
6. Alcohol Use Disorders Identification Test: Self-Report Version (AUDIT)
7. Alcohol, Smoking, and Substance Use Involvement Screening Test (ASSIST)
8. Animal Naming
9. Apathy Evaluation Scale
10. Apathy Scale (AS)
11. Assessment of Intelligibility of Dysarthric Speech (AIDS)
12. Assessment of Life Habits (Life-H)
13. Barthel Index
14. Beck Anxiety Inventory (BAI)

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15. Beck Depression Inventory II (BDI-II)
16. Berg Balance Scale (BBS)
17. Borg Rating of Perceived Exertion (RPE) Scale
18. Boston Naming Test (BNT) - 30-item version
19. Box and Blocks Test of Manual Dexterity
20. Brief Pain Inventory (Short Form)
21. Brief Symptom Inventory-18 (BSI-18)
22. Brief Test of Adult Cognition by Telephone (BTACT)
23. Brief Visuospatial Memory Test Revised (BVM-T-R)
24. Center for Epidemiologic Studies-Depression Scale (CES-D)
25. Columbia - Suicide Severity Rating Scale (C-SSRS)
26. Composite Autonomic Symptom Scale
27. Controlled Oral Word Association Test (COWAT) Subtest of the Multilingual Aphasia Examination (MAE)
28. Five-Point Test (5-PT)
29. Frontal Behavioral Inventory (FBI)
30. Frontal Systems Behavioral Scale (FrSBe)
31. Fugl-Meyer Assessment
32. Functional Gait Assessment
33. Functional Independence Measure
34. Functional Independence Measure - Cognition Subscale (Cog-FIM)
35. Galveston Orientation and Amnesia Test (GOAT)
36. Generalized Anxiety Disorder (GAD-7)
37. Glasgow Coma Scale (GCS)
38. Grooved Pegboard Test
39. Hamilton Anxiety Rating Scale (HAM-A)
40. Hamilton Depression Rating Scale (HDRS)
41. HDQLIFE
42. Headache Impact Test-6 (HIT-6)
43. Hopkins Verbal Learning Test - Revised (HVLT-R)
44. Hospital Anxiety and Depression Scale (HADS)
45. Huntington's Disease Dysphasia Scale
46. Impact of Event Scale (IES)
47. JFK Coma Recovery Scale- Revised
48. Judgment of Line Orientation (Benton JLO)

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49. Letter-Number Sequencing Subtest
50. Medical Symptom Validity Test (MSVT)
51. Mini-Balance Evaluation Systems Test (Mini-BESTest)
52. Mini-Mental State Examination (MMSE)
53. Montreal Cognitive Assessment (MoCA)
54. Myotonic Dystrophy Health Index (MDHI)
55. Neuro-QOL Adult Bank - Sleep Disturbance
56. NIH Toolbox - Emotional Battery
57. NIH Toolbox Cognitive Battery
58. NIH Toolbox Flanker Inhibitory Control Attention Test
59. Parkinson's Disease Quality of Life Scale (PDQUALIF)
60. Patient Health Questionnaire - 9 (PHQ-9) Depression Scale
61. Patient-Reported Outcomes Measurement Information System (PROMIS)
62. Processing Speed Index of the Wechsler Adult Intelligence Scale-Fourth Edition (WAIS-IV)
63. PROMIS Scale v1.2 - Global Health
64. PROMIS v2.0 - Satisfaction With Social Roles and Activities
65. PROMIS-29 Profile
66. PROMIS Ability to Participate Item Bank and Short Forms (PROMIS Item Bank v2.0 - Ability to Participate in Social Roles and Activities; PROMIS Short Form v2.0 - Ability to Participate in Social Roles and Activities 4a; PROMIS Short Form v2.0 - Ability to Participate in Social Roles and Activities 6a; PROMIS Short Form v2.0 - Ability to Participate in Social Roles and Activities 8a)
67. PROMIS Alcohol Use Item Banks (PROMIS Bank v1.0 - Alcohol - Negative Expectancies)
68. PROMIS Anxiety Item Bank (PROMIS Bank v1.0 - Anxiety)
69. PROMIS Cognitive Function Item Banks (PROMIS Bank v2.0 - Cognitive Function; PROMIS Bank v2.0 - Cognitive Function - Abilities)
70. PROMIS Depression Item Bank (PROMIS Bank v1.0 - Depression)
71. PROMIS Dyspnea Item Banks (PROMIS Bank v1.0 - Dyspnea Functional Limitations)
72. PROMIS Pain Behavior Item Bank and Short Form (PROMIS Bank v2.0 - Pain Behavior)
73. PROMIS Pain Interference Item Bank (PROMIS Bank v1.1 - Pain Interference)
74. PROMIS Self-Efficacy for Managing Chronic Conditions Item Bank (PROMIS Bank v1.0 - Self-Efficacy for Managing Emotions)
75. PROMIS Sleep Item Banks (PROMIS Bank v1.0 - Sleep Disturbance; PROMIS Bank v1.0 - Sleep-Related Impairment)
76. PTSD Checklist for DSM-5 (PCL-5)
77. Quality of Life in Neurological Disorders (Neuro-QOL)
78. Quality of Life in Swallowing Disorders (SWAL-QOL)
79. Repeatable Battery for Assessment of Neuropsychological Status (RBANS)
80. Rey Auditory Verbal Learning Test (RAVLT)

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81. Rey-Osterrieth Complex Figure Test (ROCF)
82. Rivermead Post-Concussive Symptoms Questionnaire (RPQ)
83. Short Form 36-Item Health Survey (SF-36)
84. Spinal Cord Injury - Quality of Life (SCI-QOL)
85. Stroke and Aphasia Quality of Life-39 (SAQOL-39)
86. Stroop Test
87. Structured Clinical Interview for DSM-5 Axis I Disorders Research Version (SCID-5-RV)
88. Swallowing Disturbance Questionnaire (SDQ)
89. Symbol Digit Modalities Test
90. Telephone Interview for Cognitive Status (TICS)
91. Test of Memory Malingering (TOMM)
92. Test of Premorbid Functioning
93. Timed Up and Go (TUG)
94. Token Test
95. Trail Making Test
96. Traumatic Brain Injury - Quality of Life (TBI-QOL)
97. Victoria Symptom Validity Test (VSVT)
98. Voice Handicap Index (VHI)
99. Wechsler Adult Intelligence Scale - Fourth Edition (WAIS-IV)
100. Wechsler Adult Intelligence Scale-Fourth Edition (WAIS-IV) - Digit Span Subtest
101. Western Aphasia Battery Revised
102. Word Reading Subtest of the Wide Range Achievement Test (WRAT-4)
103. World Health Organization Quality of Life Assessment (WHOQOL-BREF)

For the complete list of NINDS CDE recommendations for NeuroRehab, please see the [NINDS CDE website](#).