

nonizing information. Streamlining research. Spinal Muscular Atrophy (SMA) CDE Highlight Summary

## **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 <u>"Guidance for Industry: Suicidal Ideation and Behavior: Prospective</u> <u>Assessment of Occurrence in Clinical Trials</u> 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 <u>Columbia Suicide Severity Rating Scale Website</u>).

Disease and Subdomains	Recommendations and List of Forms
Spinal Muscular Atrophy (SMA)	Core CDEs: See Start-Up Resource Listing document <u>SMA Start-Up Resource Listing</u>
Participant / Subject Characteristics; Demographics	Core: Demographics Supplemental: None
Participant / Subject Characteristics; Social Status	Core: Social Status Supplemental: None
Participant / Subject History and Family History; General Health History	<b>Core:</b> Family History; Medical History; Prenatal and Perinatal History; Surgical and Hospitalization History <b>Supplemental:</b> None
Disease / Injury Related Events; History of Disease / Injury Event	Core: None Supplemental: Medical History of SMA; Motor Milestones and Current Level of Function
Assessments and Examinations; Physical / Neurological Examination	Core: None Supplemental: Physical Examination; Polysomnography
Assessments and Examinations; Vital Signs and Other Body Measures	Core: None Supplemental: Vital Signs



Disease and Subdomains	Recommendations and List of Forms
Assessments and Examinations; Laboratory Tests and Biospecimens/Biomar kers	<b>Core:</b> None <b>Supplemental:</b> Biomarkers and Sample Data Guidelines; Biospecimen Collection Guidelines for Use; Fat Aspirate Tissue Specimens; Gene Table and Guidelines for Use; Laboratory Tests and Tracking; Laboratory Tests Recommendations Table and Guidelines for Use; Muscle Biopsy and Autopsy Tissue; Mutation Analysis; Nerve Biopsy; NINDS Repository Spinal Muscular Atrophy Data Elements; Skin Biopsies for Qualification of Intraepidermal Nerve Fibers
Assessments and Examinations; Imaging Diagnostics	Core: None Supplemental: Brain Magnetic Resonance Imaging (MRI); Cardiac Magnetic Resonance Imaging (MRI); Diffusion Tensor Imaging (DTI); Dual-Energy X-Ray Absorptiometry (DEXA); Magnetic Resonance Imaging (MRI); Magnetic Resonance Spectroscopy (MRS)
Assessments and Examinations; Non- Imaging Diagnostics	Core: None Supplemental: Echocardiogram; Electrocardiogram (ECG); Electrophysiology; Holter Examination
Treatment/Interventi on Data; Devices	Core: None Supplemental: External Devices
Treatment/Interventi on Data; Therapies	Core: None Supplemental: Gastrointestinal Therapies; Respiratory Interventions
Outcomes and Endpoints; Summary of All Outcome Recommendations	<b>Core:</b> None <b>Supplemental:</b> SMA Clinical Outcomes Recommendations by Domain and Classification
Outcomes and Endpoints; Emotional and Cognitive Status	Core: None Supplemental: Cognitive Guidelines for Use
Outcomes and Endpoints/End Points	Core: None Supplemental: Death Report
Outcomes and Endpoints; Functional Status	<b>Core:</b> None <b>Supplemental:</b> 10 Meter Timed Walk; 6 Minute Walk Test; Grip Strength; North Star Ambulatory Assessment (NSAA); Pinch Strength; Purdue Pegboard; Timed Up and Go (TUG)



Disease and Subdomains	Recommendations and List of Forms
Outcomes and Endpoints; Muscle Strength Testing	<b>Core:</b> None <b>Supplemental:</b> Manual Muscle Testing-Using the Medical Research Council Muscle Grading Scale; Maximum Voluntary Isometric Contraction Scale (MVIC)
Outcomes and Endpoints; Pulmonary Function Testing/Respiratory Status	<b>Core:</b> None <b>Supplemental:</b> Measures of Gas Exchange; Pulmonary Assessment Master Outline and Guidelines for Use; Pulmonary Function Testing
Outcomes and Endpoints; Pediatric	<b>Core:</b> None <b>Supplemental:</b> Pediatric Cognitive Instrument Recommendations by Domains and Classification; Pediatric Cognitive Instrument Table; SMA Pediatric Clinical Outcomes Recommendations by Domain and Classification
Outcomes and Endpoints; Quality of Life	<b>Core:</b> None <b>Supplemental:</b> Canadian Occupational Performance Measure (COPM); Nine Hole Peg Test; Pediatric Quality of Life Inventory (PEDSQL); Short Form 36-Item Health Survey (SF-36)