

# NINDS Common Data Element (CDE) Project Traumatic Brain Injury v3.0 Working Group Roster

## Working Group Co-Chairs Version 3.0

- Joseph T. Giacino, PhD - *Spaulding Rehabilitation Hospital, Harvard Medical School, Charlestown, Massachusetts*
- Dave Mellick, PhD - *The Traumatic Brain Injury Model Systems National Data and Statistical Center (c/o Craig Hospital Research Dept.), Englewood, Colorado*

## Assessments and Examinations Subgroup Version 3.0

- Geoffrey T. Manley, MD, PhD - *University of California, San Francisco, San Francisco, California, Chair*
- Kristy Arbogast, PhD - *Children's Hospital of Philadelphia, Philadelphia, Pennsylvania (ad hoc)*
- Brandon Foreman, MD, MS - *University of Cincinnati Medical Center, University of Cincinnati Gardner Neuroscience Institute, Cincinnati, Ohio*
- Angela Lumba-Brown, MD - *Stanford University, Palo Alto, California*
- Rebekah Mannix, MD - *Boston's Children Hospital, Boston, Massachusetts*
- Ali Mansour, MD - *University of Chicago, Chicago, Illinois*
- Christina Master, MD, FAAP, CAQSM, FACSM, FAMSSM - *Children's Hospital of Philadelphia, Philadelphia, Pennsylvania*
- David K. Menon, MD, PhD, FRCP, FRCA, FMedSci - *Wolfson Brain Imaging Centre, University of Cambridge, Cambridge, United Kingdom*
- Shahnaz Miri, MD, MBA - *Vision Neurology Center, San Francisco, California*
- Claudia S. Robertson, MD - *Baylor College of Medicine, Houston, Texas*

## Digital Technologies Subgroup Version 3.0

- Uzma Samadani, MD, PhD, FACS, FAANS - *US Neurosurgery Associates, Minneapolis VAMC, University of Minnesota, Minneapolis, Minnesota, Chair*
- Hayley Falk, PhD - *University of Michigan Medical School, Ann Arbor, Michigan*
- Raj G. Kumar, PhD, MPH - *Icahn School of Medicine at Mount Sinai, New York, New York*
- Michelle LaPlaca, PhD - *Georgia Institute of Technology, Emory University, Atlanta, Georgia*
- Dick Moberg - *Moberg Analytics, Philadelphia, Pennsylvania*
- Ethan Moyer - *Moberg Analytics, Philadelphia, Pennsylvania*
- Kevin Ward, LT COL, MD - *University of Michigan Medical School, U.S. Army Reserves MC, Ann Arbor, Michigan*

## General Activities of Daily Living Subgroup Version 3.0

- Alison Cogan, PhD, OTR/L - *University of Southern California, Los Angeles, California, Co-Chair*
- Anthony H. Lequerica, PhD - *Kessler Foundation, East Hanover, New Jersey, Co-Chair*
- Brenda Eagan-Johnson, PhD, CBIST-AP - *Brain Injury Association of Pennsylvania, Pennsylvania Department of Education, Bureau of Special Education, Pennsylvania Department of Health, Pittsburgh, Pennsylvania*
- Trudy Mallinson, PhD - *The George Washington University, Washington, District of Columbia*
- Candice Osborne, PhD, MPH, OTR - *Craig Hospital and Stanford Healthcare, Palo Alto, California*
- Katrin Rauen, MD - *Neurological Rehabilitation Center Godeshohe GmbH, Bonn, Germany*
- Jen Weaver, PhD, OTR/L, CBIS - *Colorado State University, Fort Collins, Colorado*

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## Neurodiagnostic Technologies: Biomarkers Subgroup Version 3.0

- Frederick Korley, MD, PhD - *University of Michigan Medical School, Ann Arbor, Michigan, Chair*
- Jeffrey Bazarian, MD, MPH - *University of Rochester, Rochester, New York*
- Kenneth Curley, MD - *Operational Medical Systems, Defense Health Agency, Tampa/St. Petersburg, Florida*
- Ramon Diaz-Arrastia, MD, PhD - *University of Pennsylvania Perelman School of Medicine, Philadelphia, Pennsylvania*
- Raquel Gardner, MD - *Joseph Sagol Neuroscience Center, Sheba Medical Center, Ramat Gan, Israel*
- Andrew Ottens, PhD - *Virginia Commonwealth University, Richmond, Virginia*
- Ava Puccio, RN, PhD - *University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania*
- Susan Rowell, MD, MBA - *The University of Chicago Medicine, Biological Sciences Division, Chicago, Illinois*
- Andrea Schneider, MD, PhD - *University of Pennsylvania Perelman School of Medicine, Philadelphia, Pennsylvania*

## Neurodiagnostic Technologies: Neuroimaging Subgroup Version 3.0

- Christine Mac Donald, PhD - *University of Washington, Seattle, Washington, Co-Chair*
- Thijs Vande Vyvere, PhD - *Universiteit Antwerpen, UZA, Edegem, Belgium, Co-Chair*
- Ann-Christine Duhaime, MD - *Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts*
- Lawrence Latour, PhD - *Acute Cerebrovascular Diagnostics Unit (ACDU), Acute Stroke Research Section, Stroke Branch, National Institute of Neurological Disorders and Stroke (NINDS), Bethesda, Maryland*
- Andrew Mayer, PhD - *The Mind Research Network, Albuquerque, New Mexico*
- Virginia Newcombe, BSc, MB BS(Hons), MPhil, PhD, MRCP(UK), FRCER, FFICM - *University of Cambridge, Cambridge, United Kingdom*
- Olga Pasternak-Wise, MD, MS - *University of Chicago, Chicago, Illinois*
- Elisabeth A. Wilde, PhD - *University of Utah, VA Salt Lake City Healthcare System, Salt Lake City, Utah*
- Max Wintermark, MD, MS, MBA - *The University of Texas MD Anderson Cancer Center, Houston, Texas*
- John Yue, MD - *University of California, San Francisco, San Francisco, California*

## Outcomes and Endpoints Subgroup Version 3.0

- Michael McCrea, PhD, ABPP - *Medical College of Wisconsin, Milwaukee, Wisconsin, Chair*
- Shawn Eagle, PhD - *University of Pittsburgh, Pittsburgh, Pennsylvania*
- Aristeia Galanopoulou, MD, PhD - *Albert Einstein College of Medicine, Bronx, New York*
- Joseph T. Giacino, PhD - *Spaulding Rehabilitation Hospital, Harvard Medical School, Charlestown, Massachusetts*
- Sam Martin, MPH - *Brain Injury Association of Massachusetts, Westborough, Massachusetts; New York University, New York, New York; University of Denver, Denver, Colorado*
- Ana Mikolic, PhD - *Erasmus MC University Medical Centre, Rotterdam, Netherlands*
- Hani Mowafi, MD, MPH - *Yale School of Medicine, New Haven, Connecticut*
- Laura Ngwenya, MD, PhD - *University of Cincinnati College of Medicine, Cincinnati, Ohio*
- Beth Slomine, PhD, MS - *Kennedy Krieger Institute, Baltimore, Maryland*
- Lindsay Wilson, PhD - *University of Stirling, Stirling, United Kingdom*

# NINDS Common Data Element (CDE) Project Traumatic Brain Injury v3.0 Working Group Roster

## Participant Characteristics Subgroup Version 3.0

- Lindsay Nelson, PhD, ABPP - *Medical College of Wisconsin, Milwaukee, Wisconsin, Chair*
- Jennifer S. Albrecht, PhD - *University of Maryland School of Medicine, Baltimore, Maryland*
- David Arciniegas, MD, FANPA, FACLP - *University of Colorado School of Medicine, Aurora, Colorado*
- Librada Callender, PhD, MPH - *Baylor Scott & White Research Institute, Dallas, Texas*
- Shannon Juengst, PhD, CRC - *TIRR Memorial Hermann, UT Southwestern Medical Center, Houston, Texas*
- Monique R. Pappadis, MEd, PhD - *University of Texas Medical Branch at Galveston, Galveston, Texas*
- Jennie Ponsford, PhD - *Monash University, Melbourne, Australia*
- Enrico Quilico, PhD - *Spaulding Rehabilitation Hospital, Harvard Medical School, Boston, Massachusetts*
- Nancy Temkin, PhD - *University of Washington, Seattle, Washington*
- Theresa Williamson, MD - *Mass General Brigham, Boston, Massachusetts*
- Keith Yeates, PhD, ABPP/CN - *University of Calgary, Calgary, Alberta, Canada*

## Performance-based Measures Subgroup Version 3.0

- Amanda Rabinowitz, PhD - *Jefferson Moss Rehabilitation Research Institute, Philadelphia, Pennsylvania, Chair*
- Johnny Cebak, MAJ, DO, PhD - *Mayo Clinic, Army National Guard, Jacksonville, Florida*
- Thomas J. DeGraba, MD, FAHA - *National Intrepid Center of Excellence (NICoE), Walter Reed National Military Medical Center, Washington, District of Columbia*
- Peter Fino, PhD, BSE - *University of Utah, Salt Lake City, Utah*
- Catherine Fortier, PhD - *Harvard Medical School, VA Boston Health Care System, Boston, Massachusetts*
- Grant Iverson, PhD - *Harvard Medical School, Spaulding Rehabilitation Hospital, Boston, Massachusetts*
- Laurie King, PhD, PT, MCR - *Oregon Health & Science University, Portland, Oregon*
- Erika Nelson, BS - *National Eye Institute (NEI), National Institutes of Health (NIH), Bethesda, Maryland*
- James B. (JB) Phillips, PhD, MBA, PMP - *U.S. Army Medical Research and Development Command, Fort Detrick, Maryland*
- Pradeep Ramanathan, MS, MA, PhD - *Texas State University, Round Rock, Texas*
- Douglas P. Terry, PhD, ABPP-CN - *Vanderbilt University Medical Center, Nashville, Tennessee*

## Psychosocial Modifiers Subgroup Version 3.0

- Monica Verduzco-Gutierrez, MD - *University of Texas Health Science Center at San Antonio, San Antonio, Texas, Chair*
- Rachel Sayko Adams, PhD, MPH - *Boston University, Boston, Massachusetts*
- Stephanie Agtarap, PhD, MS - *Craig Hospital, Englewood, Colorado*
- Kristen Dams-O'Connor, PhD - *Icahn School of Medicine at Mount Sinai, New York, New York*
- Judy Dettmer, BSW - *Brain Injury Program, Colorado Department of Human Services, National Association of State Head Injury Administrators, Denver, Colorado*
- Carrie Esopenko, PhD - *University of Utah, Salt Lake City, Utah; Icahn School of Medicine at Mount Sinai, New York, New York*

## NINDS Common Data Element (CDE) Project Traumatic Brain Injury v3.0 Working Group Roster

- Louis M. French, PsyD - *Uniformed Services University, Walter Reed Army Institute of Research, Bethesda, Maryland*
- Scott W. Hamilton - *London, United Kingdom*
- Robin A. Hurley, MD, FANPA - *Hefner VA Medical Center, Salisbury, North Carolina; Wake Forest University School of Medicine, Winston-Salem, North Carolina*
- Eve Valera, PhD - *Harvard Medical School, Massachusetts General Hospital, Charlestown, Massachusetts*
- Shari Wade, PhD - *University of Cincinnati College of Medicine, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio*

### Treatment/Intervention Data Subgroup Version 3.0

- Gregory Hawryluk, MD, PhD - *Cleveland Clinic, Akron, Ohio, Chair*
- Randy Bell, MD - *Avera Health, Sioux Falls, South Dakota*
- Gretchen M. Brophy, Pharm.D., BCPS, FCCP, FCCM, FNCS - *Virginia Commonwealth University School of Pharmacy, Richmond, Virginia*
- Paramita Das, MD - *University of Chicago, Chicago, Illinois*
- Simon Driver, PhD - *Spaulding Rehabilitation Hospital, Harvard Medical School, Boston, Massachusetts*
- Brian Edlow, MD - *Massachusetts General Hospital, Boston, Massachusetts*
- Juan Herrera-Escobar, MD, MPH - *Harvard University, Brigham and Women's Hospital, Boston, Massachusetts*
- Noah Silverberg, PhD - *The University of British Columbia, Vancouver, British Columbia, Canada*
- Gigi Sugar, MSN, RN - *University of California, San Francisco, San Francisco, California*
- John Whyte, MD, PhD - *Jefferson Moss Rehabilitation Research Institute, Philadelphia, Pennsylvania*

### NINDS CDE Team

- Hibah O. Awwad, PhD - *National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Bethesda, Maryland*
- M. Carolina Mendoza-Puccini, MD - *NINDS CDE Program Director, National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Bethesda, Maryland*
- Marcy M. Pape, PT, DPT - *National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Bethesda, Maryland*
- Alva M. Recinos, MD - *National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Bethesda, Maryland*
- Nsini Umoh, PhD - *National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH), Bethesda, Maryland*

## **NINDS CDE Project Traumatic Brain Injury Version 3.0 Subgroup Subdomains**

### **Assessments and Examinations**

Biomechanical Devices  
Classification  
History of Disease/Injury Event  
Second Insults  
Vital Signs and Body Measures

### **Digital Technologies**

New for TBI v3.0

### **General Activities of Daily Living**

Adaptive and Daily Living Skills  
Behavioral Function  
Cognitive Activity Limitations  
Global Outcome

### **Neurodiagnostic Technologies: Biomarkers**

Laboratory Tests and Biospecimens/Biomarkers

### **Neurodiagnostic Technologies: Neuroimaging**

Imaging Diagnostics

### **Outcomes and Endpoints**

Patient Reported Outcomes  
Perceived Generic and Disease-Specific Health-Related Quality of Life  
Post-Concussive/ TBI- Related Symptoms

### **Participant Characteristics**

Demographics  
General Health History  
Health-Economic Measures  
Participant/ Subject Identification, Eligibility, and Enrollment  
Social Status

### **Performance-based Measures**

Deafness and Communication Disorders  
Effort/Symptom Validity  
End Points  
Infant and Toddler Measures  
Language and Communication  
Military Studies  
Neuropsychological Impairment  
Off Treatment/Off Study  
Physical Function  
Physical/ Neurological Examination  
Recovery of Consciousness/Memory Recovery

## **Psychosocial Modifiers**

Academics

Family and Environment

Infant and Toddler Measures

Psychiatric and Psychological Status

Social Cognition

Social Role Participation and Social Competence

## **Treatment/Intervention Data**

Discharge Information

Drugs

Safety Data

Surgeries and Other Procedures

Therapies