



American  
Association of  
Neurological  
Surgeons

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Re: Common Data Elements for Traumatic Brain Injury, Version 2.0

Dear Ms. Odenkirchen:

On behalf of the American Association of Neurological Surgeons, representing 4,000 neurosurgeons in the United States, we would like to thank you for your ongoing efforts to develop version 2.0 of the Common Data Elements for Traumatic Brain Injury (TBI), which have been revised and reorganized since our previous endorsement of the initial version in 2009. Because NINDS funds a great deal of government-supported TBI research in this country, we commend you for the foresight to update and improve this crucial project.

TBI is a complex injury with a broad spectrum of symptoms and disabilities and a devastating impact on a person and his or her family. This project will minimize the investigator's need to design new case report forms and collection instruments every time a new TBI study or trial is funded. The common sets of data collection instruments and variables are applicable to studies of epidemiology, acute care, rehabilitation, and mild TBI and concussion, and encompass prehospital (demographic), emergency department, imaging, biomarker/laboratory, surgical, ICU, acute care hospital, rehabilitation, and short- and long-term outcome data points. Additional consideration has been made for studies involving pediatric, military, and sports-related TBI.

As you are aware, another advantage of this approach is that the data from these standardized collection instruments can be deposited into a large database that grows every time a new study is added. The IMPACT database project was extremely labor-intensive and took years to standardize data from about a dozen TBI trials into one large database. Use of the Common Data Element approach will virtually eliminate this problem in the future.

Again, we would like to thank you for your efforts and offer our full support for this project.

Yours truly,

William Couldwell, MD, PhD  
President, American Association of Neurological Surgeons

cc: Ramona Hicks, PhD  
Joseph Giacino, PhD  
Cindy Harrison-Felix, PhD