## Outcome Domain:

Behavioral Function

### Domain Description and Relevance in TBI:

“Behavioral dysfunction is commonly reported following TBI and may contribute to difficulties in return to work/school, personal relationships and social functioning. Common examples are aggression and childlike behavior.” – Wilde et al. 2010

Table CDE Classification by Type of TBI Study and Relevant Population for Recommended Behavioral Function Outcome Measures.

| Outcome Measure Name | Relevant TBI Population | Acute Hospitalized | Moderate/ Severe Rehabilitation | Concussion/ Mild TBI | Epidemiology |
| --- | --- | --- | --- | --- | --- |
| Frontal Systems Behavior Scale (FrSBe) | Adult  | Supplemental | Supplemental | Supplemental | Supplemental |

**References**

Wilde EA, Whiteneck GG, Bogner J, Bushnik T, Cifu DX, Dikmen S, French L, Giacino JT, Hart T, Malec JF, Millis SR, Novack TA, Sherer M, Tulsky DS, Vanderploeg RD, von Steinbuechel N. Recommendations for the use of common outcome measures in traumatic brain injury research. Arch Phys Med Rehabil. 2010 Nov; 91(11):1650-1660.e17. [DOI: 10.1016/j.apmr.2010.06.033]

## Frontal Systems Behavior Scale (FrSBe)

### DESCRIPTION

Forty-six items rated rated in 5 steps from "almost never" to "almost always" generating 3 subscales (apathy, disinhibition, executive dysfunction) as well as a total score for before injury and after injury.

### PERMISSIBLE VALUES

Converted to T scores ranging from 20-120 based on gender, age, and education for each subscale and total score

### PROCEDURES

Read by the patient or caregiver completing the survey. No specific training required for administration. Administration time is 15 minutes.

### COMMENTS

Adults, aged 18-95

### RATIONALE

Provides flexibility in use with norms for caregivers and TBI survivors and before/after injury scales. Has sufficient psychometric qualities despite modest norming. Has been employed effectively in studies of TBI.

### REFERENCES

Grace, J., Malloy, P.F. (2001). Frontal Systems Behavior Scale Professional Manual. Lutz, FL: Psychological Assessment Resources, Inc.