



Neurocognitive Disorder: DSM-5

- Major Neurocognitive Disorder, Criteria A
 - Concern of the individual, a knowledgeable informant, or the clinician that there has been a significant decline in cognitive functioning
 - A *substantial* impairment in cognitive performance, preferably documented by standardized neuropsychological testing







Neurocognitive Disorder: DSM-5

- Mild Neurocognitive Disorder, Criteria A
 - Concern of the individual, a knowledgeable informant, or the clinician that there has been a mild decline in cognitive functioning
 - A *moderate* impairment in cognitive performance, preferably documented by standardized neuropsychological testing



Neurocognitive Disorder: DSM-5

- B: Capacity for independence in everyday activities
 - The degree to which the neurocognitive deficits affect the individual's capacity for independent activities differentiates between Major and Mild Neurocognitive Disorder





Neurocognitive Disorder: DSM-5

- Major Neurocognitive Disorder, Criteria B
 - Interferes with independence
 - Requiring *assistance* with complex instrumental activities (paying bills or managing medications)
- Mild Neurocognitive Disorder, Criteria B
 - Does not interfere with independence
 - Greater effort, compensatory strategies or accommodation may be required

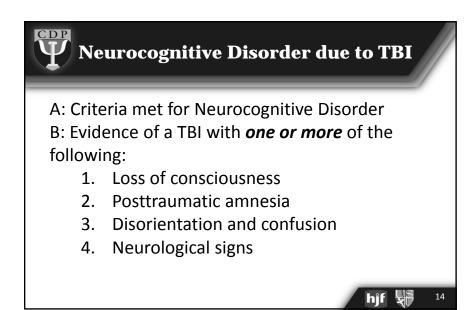


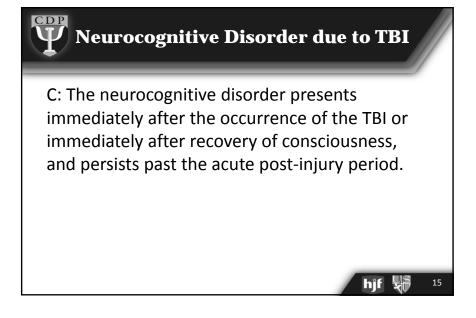


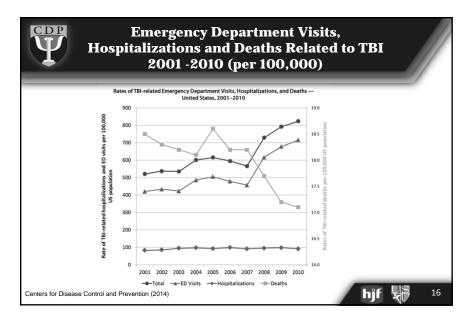
C: Deficits do not occur exclusively in the context of delirium

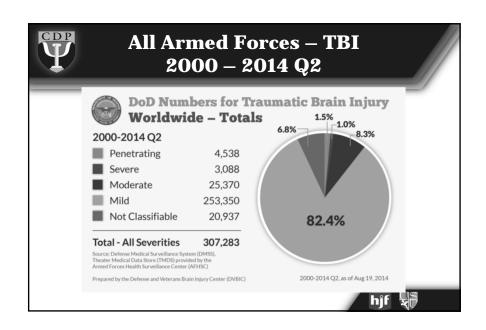
D: Not better explained by another mental disorder

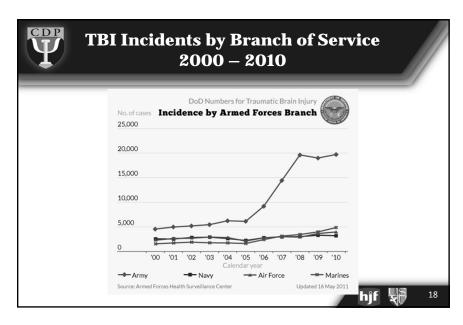


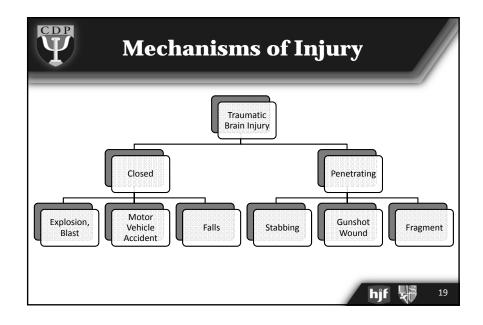


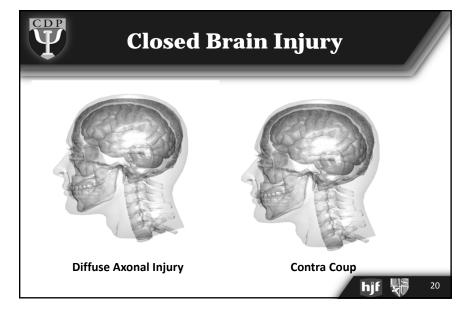


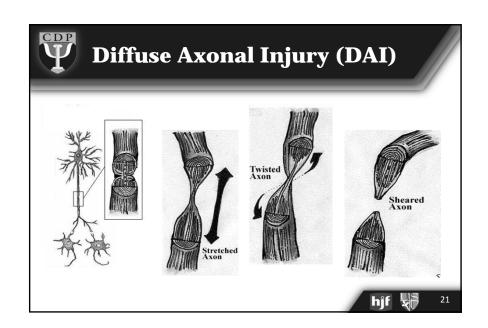


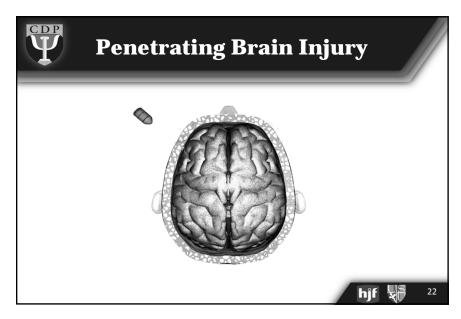


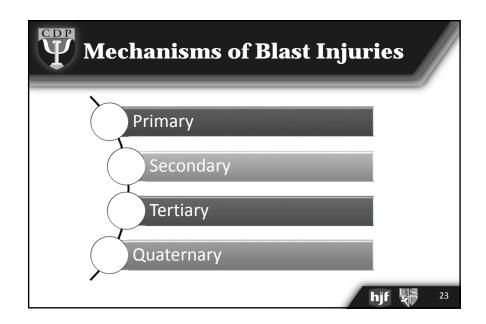




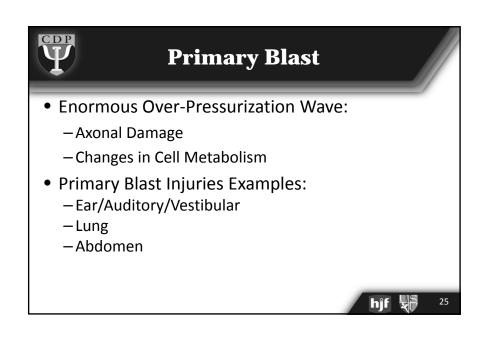


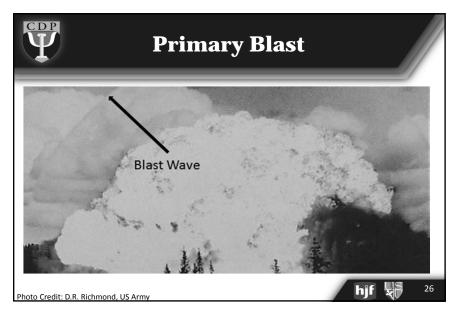


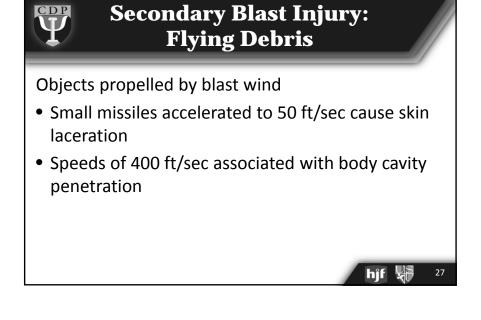


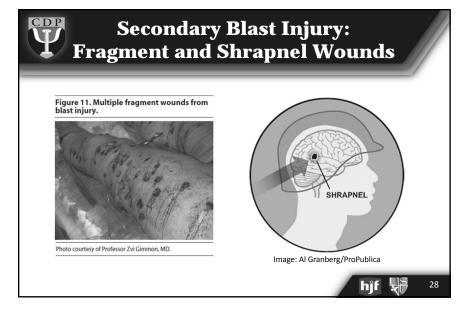


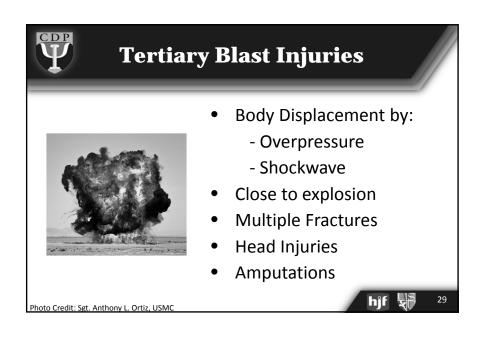


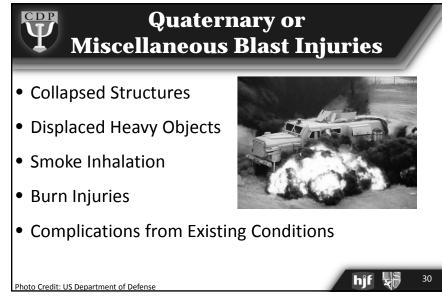


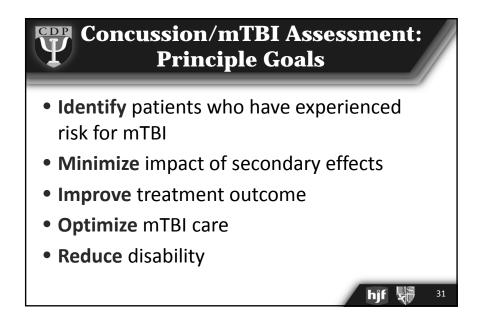




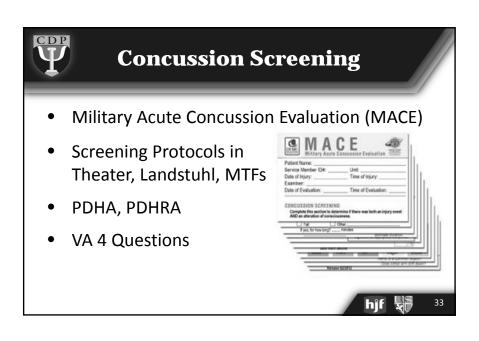


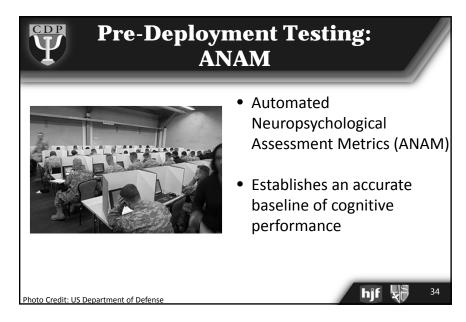


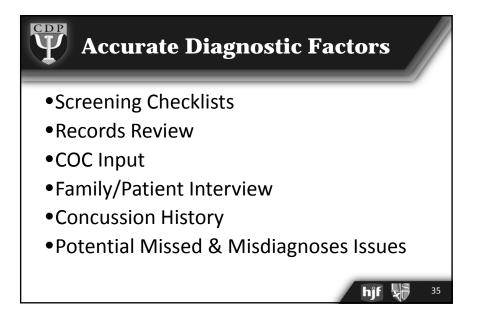












1B1 Assessment Domains				
Severity	Glasgow Coma Score (GCS)	Alteration in consciousness (AOC)	Loss of consciousness (LOC)	Post traumatic amnesia (PTA)
Mild	13 – 15	≤ 24 hrs	0 – 30 min	≤ 24 hrs
Moderate	9 – 12	> 24 hrs	> 30 min < 24 hrs	> 24 hrs < 7 days
Severe	3 – 8	> 24 hrs	≥ 24 hrs	≤ 7 days

- Consider imaging results when determining level of severity
- Positive Imaging = at least a moderate TBI rating
- GCS not as useful given complications of theater setting
- Use of AOC in DoD severity rating

Fallen Heroes Fund



TBI "Red Flags"

- a) Altered consciousness
- b) Progressively declining neurological exam
- c) Pupillary asymmetry
- d) Seizures
- e) Repeated vomiting
- f) Double vision
- g) Worsening headache

- h) Cannot recognize people or is disoriented to place
- i) Behaves unusually or seems confused and irritable
- j) Slurred speech
- k) Unsteady on feet
- I) Weakness or numbness in arms/legs



37



Identified as Positive for Concussion

- Evaluate and treat symptoms
- Assess for non-TBI factors contributing to presentation
- Assess cognitive complaints through formal testing, if appropriate
- Educate about recovery appropriately depending on severity of injury and time since injury



41

The second secon

Concussion Education

- Early intervention with TBI education and positive expectations have a direct effect on recovery
 - Patients, families, providers, military command, employers
 - Reduces patient and family anxiety
- Prevent re-injury while recovering
- Address specific symptoms (e.g., headaches, sleep problems) with strategies or referrals



42



Concussion Brain Injury Clinical Course

Expected Outcomes

- Full recovery (vast majority)
 - Rapid recovery (days to weeks) with minimal intervention
 - -Longer recovery (3 months 12 months)
- Persisting symptoms (minority; years)
 - Sometimes referred to as post-concussive syndrome (PCS) but controversial and not in DSM-5



43

