

Michigan Traumatic Brain Injury Online Training

Module 1: Significance of TBI and introductory information on how the brain works

Section A: Introduction to TBI

- Brain injury definitions
- Incidence of TBI in the US
- Comparison of new cases annually in the US
- TBI and children in the US
- Cost of TBI in the US
- New cases of TBI in Michigan
- TBI in Michigan by age for three levels of TBI severity
- Causes of TBI in Michigan
- Who is most at risk for TBI?
- Why haven't we heard about TBI before?

Section B: What happens when a TBI occurs?

- TBI Events
- Primary events -- what happens during trauma
- Secondary events -- the body's response
- Severity of TBI
- Mild TBI Moderate
- TBI Severe TBI
- Complexity of TBI

Section C: Impact of TBI

- General patterns of dysfunction by location of injury
- Functions of the brain
- Functions of the frontal lobe
- Functions of the temporal lobe
- Functions of the parietal lobe
- Functions of the occipital lobe
- Functions of the cerebellum
- Functions of the brain stem
- Need for public services
- Effects on family members
- Effects of TBI on children
- Substance abuse and TBI

Recovery
Case Study

Section D: Assessment
Test your knowledge

Module 2: Common physical, behavioral and cognitive impairments and interaction strategies

Important Things to remember from Module 1
Consequences of TBI

Section A: Physical consequences & strategies
Physical changes
Impairment of body movement
Speech and swallowing problems
Pain as a result of TBI
Sensory difficulties
Fatigue and sleep disturbances
Motor coordination -- it's harder than you think!

Section B: Cognitive consequences & strategies
Cognitive changes
Memory impairments
Slowed processing speed
Attention/concentration deficits
Language comprehension difficulties
Expressive language difficulties
Impaired executive functioning: abstract reasoning
Impaired executive functioning: sequencing, planning and problem solving
Inability to initiate Things to consider Processing speed (exercise)

Section C: Behavioral consequences & strategies
Behavioral changes
Inability to control emotions
Social inappropriateness
Difficulty with relationships
Basic behavior strategies
Using antecedents and consequences to elicit appropriate behavior
Other influences
Substance abuse

Section D: Cultural Competence
Cultural competence
How can you pursue cultural competence?

Section E: Conclusion

- Recap: Tips for working with people with TBI
- What you can personally do to help people with TBI
- Case studies

Section F: Assessment

- Test your knowledge

Module 3: Screening for a history of TBI

Screening for TBI

- The HELPS screening tool

- When should the screening tool be administered?

- To whom should the screening tool be administered?

- Each letter in the HELPS acronym stands for a question

- H - Have you ever Hit your Head or been Hit on the Head?

- E - Were you ever seen in the Emergency room, hospital, or by a doctor because of an injury to your head?

- L - Did you ever Lose consciousness or experience a period of being dazed and confused because of an injury to your head?

- P - Do you experience any of the following Problems in daily life since you hit your head?

- S - Have you ever experienced a Significant Sickness?

- How to score HELPS?

- If screening leads you to suspect TBI

- Case study

- Test your knowledge

Module 4: Public services available for eligible persons with TBI

- Service plan building blocks

Section A: Community Mental Health Services Programs

- Overview

- Eligibility determination

- Medical necessity

- Eligibility determination for persons with a developmental disability (DD)

- Eligibility determination for mental illness (MI)

- Available services for CMHSPs

Section B: Substance Abuse Services

- Overview

- Eligibility determination

- Available substance abuse services

Section C: Department of Human Services

- Overview

Eligibility determination
Available services

Section D: Long Term Care Programs

Overview
Brain injury rehabilitation program
Home and community based services
Nursing facilities

Section E: Special Education & Early Intervention Services

Overview
Eligibility determination
Available special education & early intervention services

Section F: Michigan Rehabilitation Services

Overview
Eligibility determination
Services available through MRS

Section G: Advocacy and Support Organizations

Overview
Contact Information
Resources and supports for veterans

Section H: The Importance of Networking

Interagency communications
What you can do to promote interagency communication
Case studies

Section I: Assessment

Test your knowledge