



Course outline

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 North Carolina
 - Causes of TBI in North Carolina
 - 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
- Print Module 1 Slides

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
- Print Module 2 Slides

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
- Print Module 3 Slides

• Module 4: Public services available for eligible persons with TBI

- Public Services for eligible persons with TBI
- Community Services and Programs - LME's
- Community Services and Programs - DHHS
- NC Social Security Administration
- NC Department of Social Services
- Vocational Rehabilitation (NCDVR) and Independent Living (VRIL)
- NCDVR/VRIL Services
- Advocacy and Support Organizations
- Advocacy and Support - BIANC
- Advocacy and Support - Centers for Independent Living (CIL)
- Advocacy and Support - United Way
- Advocacy and Support - Disability Rights North Carolina
- Advocacy and Support - Military
- The Importance of Networking Interagency Communications
- The Importance of Networking - NC TBI Advisory Council
- The Importance of Networking - Case Study
- Test your knowledge
- Print Module 4 Slides