Traumatic Brain Injury

URL of this page: http://www.nlm.nih.gov/medlineplus/traumaticbraininjury.html

Also called: Acquired brain injury, TBI

Traumatic brain injury happens when a bump, blow, jolt, or other head injury causes damage to the brain. Every year, millions of people in the U.S. suffer brain injuries. More than half are bad enough that people must go to the hospital. The worst injuries can lead to permanent brain damage or death.

Half of all traumatic brain injuries (TBIs) are due to motor vehicle accidents. Military personnel are also at risk. Symptoms of a TBI may not appear until days or weeks following the injury. Serious traumatic brain injuries need emergency treatment.

Treatment and outcome depend on the injury. TBI can cause a wide range of changes affecting thinking, sensation, language, or emotions. TBI can be associated with post-traumatic stress disorder. People with severe injuries usually need rehabilitation.

Start Here


Overviews

- Traumatic Brain Injury [http://www.cdc.gov/traumaticbraininjury/] (Centers for Disease Control and Prevention)
- Traumatic Brain Injury (TBI): Moderate or Severe [http://www.dvbic.org/sites/default/files/2012_ModSevere_S%26SLoRes.pdf] (Defense and Veterans Brain Injury Center) - PDF
  Also available in Spanish [http://espanol.ninds.nih.gov/trastomos/el_trumatismo_cerebral.htm]

Latest News

  Also available in Spanish [http://www.radiologyinfo.org/sp/info.cfm?pg=headct]
• Diagnosing Brain Injury [http://www.biausa.org/brain-injury-diagnosis.htm] (Brain Injury Association of America)
  Also available in Spanish [http://www.radiologyinfo.org/sp/info.cfm?pg=fmribrain]
• How Do Health Care Providers Diagnose Traumatic Brain Injury (TBI)?
  [http://www.nichd.nih.gov/health/topics/tbi(conditioninfo/Pages/diagnose.aspx] NIH (National Institute of Child Health and Human Development)
• What Are Common Traumatic Brain Injury (TBI) Symptoms?
  [http://www.nichd.nih.gov/health/topics/tbi(conditioninfo/Pages/symptoms.aspx] NIH (National Institute of Child Health and Human Development)
• What Is the Glasgow Coma Scale? [http://www.brainline.org/content/2010/10/what-is-the-glasgow-coma-scale.html] (Brainline)

Treatment
• Brain Injury Treatment [http://www.biausa.org/brain-injury-treatment.htm] (Brain Injury Association of America)
• Head Trauma: First Aid [http://www.mayoclinic.com/health/first-aid-head-trauma/FA00008/METHOD=print] (Mayo Foundation for Medical Education and Research)

Prevention/Screening
• Head Injury Prevention Tips
• Preventing Traumatic Brain Injury [http://www.cdc.gov/features/BrainInjury/] (Centers for Disease Control and Prevention)
• What Can I Do to Help Prevent Traumatic Brain Injury?
  [http://www.cdc.gov/traumaticbraininjury/prevention.html] (Centers for Disease Control and Prevention)
  Also available in Spanish [http://www.cdc.gov/ncipc/pub-res/tbi_toolkit/patients/prevencion.htm]

Rehabilitation/Recovery
• Guide to Selecting and Monitoring Brain Injury Rehabilitation Services
  [https://secure.biausa.org/OnlineDirectory/Pdf/SelectingRehabServices.pdf] (Brain Injury Association of America) - PDF

Disease Management
• Head Injury and Dizziness
  [http://www.dvbidc.org/sites/default/files/2012_Head%20Injury%20and%20Dizziness_FINAL.pdf] (Defense and Veterans Brain Injury Center) - PDF

Specific Conditions
• Blast Injuries [http://www.dvbidc.org/blast-injuries] (Defense and Veterans Brain Injury Center)
• Cerebral Contusions and Lacerations
• Cerebral Hypoxia [http://www.ninds.nih.gov/disorders/anoxia/anoxia.htm] NIH (National Institute of Neurological Disorders and Stroke) - Short Summary
  Also available in Spanish [http://espanol.ninds.nih.gov/trastornos/anoxia.htm]
• Intracranial Hematoma [http://www.mayoclinic.com/health/intracranial-hematoma/DS00330/METHOD=print] (Mayo Foundation for Medical Education and Research)
• Severe Traumatic Brain Injury [http://www.cdc.gov/traumaticbraininjury/severe.html] (Centers for Disease Control and Prevention)

Related Issues
- Brain Injuries and Mass Casualty Events [http://www.bt.cdc.gov/masscasualties/braininjuriespub.asp] (Centers for Disease Control and Prevention)
  Also available in Spanish [http://effectivehealthcare.ahrq.gov/index.cfm/search-for-guides-reviews-and-reports/?pageaction=displayproduct&productID=744]
- Tips for Communicating with People with Traumatic Brain Injury (TBI) & Post-Traumatic Stress Disorder (PTSD) [http://www.americasheroesatwork.gov/forEmployers/factsheets/tips/] (Office of Disability Employment Policy, Veterans’ Employment and Training Service)

Health Check Tools

Tutorials

Videos
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/anatomyvideos/000016.htm]

Anatomy/Physiology

Clinical Trials
- ClinicalTrials.gov: Brain Injuries [http://clinicaltrials.gov/search/open/condition=%22Brain+Injuries%22] (National Institutes of Health)
- ClinicalTrials.gov: Craniocerebral Trauma
Research

- Traumatic Brain Injury [http://www.defense.gov/home/features/2012/0312_tbi/] (Department of Defense)

Journal Articles

References and abstracts from MEDLINE/PubMed (National Library of Medicine)


Directories

- Find a Neurosurgeon [http://www.cns.org/directory/] (Congress of Neurological Surgeons)

Organizations

- Brain Injury Association of America [http://www.biausa.org/]
- Brainline [http://www.brainline.org/]
- Centers for Disease Control and Prevention [http://www.cdc.gov/]
  Also available in Spanish [http://www.cdc.gov/spanish/]
- National Institute of Neurological Disorders and Stroke [http://www.ninds.nih.gov/] NIH
  Also available in Spanish [http://espanol.ninds.nih.gov/]

Law and Policy


Statistics

Children
- Abusive Head Trauma (Shaken Baby Syndrome) [http://kidshealth.org/parent/medical/brain/shaken.html] (Nemours Foundation)
  Also available in Spanish [http://kidshealth.org/parent/en_espanol/medicos/shaken_esp.html]
  Also available in Spanish [http://espanol.ninds.nih.gov/trastornos/sindrome_del_bebé_sacudido.htm]
  Also available in Spanish [http://nichcy.org/espanol/discapacidades/especificas/lesioncerebral]

Teenagers
- Think First for Teens [http://www.thinkfirst.org/teens/] (ThinkFirst National Injury Prevention Foundation)

Seniors
- Preventing Traumatic Brain Injury in Older Adults [http://www.cdc.gov/traumaticbraininjury/pdf/PreventingBrainInjury_Booklet_508_080227.pdf] (Centers for Disease Control and Prevention) - PDF

Patient Handouts
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/patientinstructions/000163.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/000781.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/003786.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/patientinstructions/000133.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/003931.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/001412.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/000028.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/003411.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/003802.htm]
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/000713.htm]

You may also be interested in these related encyclopedia pages:
Cranial CT scan [http://www.nlm.nih.gov/medlineplus/ency/article/003786.htm]

You may also be interested in these related MedlinePlus topics:

The primary NIH organization for research on Traumatic Brain Injury is the National Institute of Neurological Disorders and Stroke [http://www.ninds.nih.gov/]


Date last updated: 11 July 2013
Topic last reviewed: 6 January 2013