

Traumatic Brain Injury Fact Sheet*

What is Traumatic Brain Injury?

A traumatic brain injury (TBI) is caused by a blow or jolt to the head or a penetrating head injury that disrupts the normal function of the brain. Not all blows or jolts to the head result in a TBI. The severity of a TBI may range from "mild," i.e., a brief change in mental status or consciousness to "severe," i.e., an extended period of unconsciousness or amnesia after the injury.

How many people have TBI?

TBIs contribute to a substantial number of deaths and cases of permanent disability annually. Of the 1.4 million who sustain a TBI each year in the United States:

- 50,000 die;
- 235,000 are hospitalized; and
- 1.1 million are treated and released from an emergency department.¹

Among children ages 0 to 14 years, TBI results in an estimated:

- 2,685 deaths;
- 37,000 hospitalizations; and
- 435,000 emergency department visits annually.¹

The number of people with TBI who are not seen in an emergency department or who receive no care is unknown.

What causes TBI?

The leading causes of TBI are:

- Falls (28%);
- Motor vehicle-traffic crashes (20%);
- Struck by/against events (19%); and
- Assaults (11%).¹

What are the long-term outcomes of TBI?

CDC estimates that at least 5.3 million Americans, approximately 2% of the U.S. population, currently have a long-term or lifelong need for help to perform activities of daily living as a result of a TBI.²

TBI can cause a wide range of functional changes affecting thinking, sensation, language, and/or emotions. It can also cause epilepsy and increase the risk for conditions such as Alzheimer's disease, Parkinson's disease, and other brain disorders that become more prevalent with age.³

What are the costs of TBI?

Direct medical costs and indirect costs such as lost productivity of TBI totaled an estimated \$60 billion in the United States in 2000.⁴



References

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3. National Institute of Neurological Disorders and Stroke. Traumatic brain injury: hope through research. Bethesda (MD): National Institutes of Health; 2002 Feb. NIH Publication No.: 02-158.
4. Finkelstein E, Corso P, Miller T and associates. The Incidence and Economic Burden of Injuries in the United States. New York (NY): Oxford University Press; 2006.

*All information taken from the CDC Web site. <http://www.cdc.gov/ncipc/tbi/TBI.htm>.

About Rainbow Rehabilitation Centers, Inc.

Rainbow Rehabilitation Centers, Inc., with facilities and treatment centers throughout Washtenaw and Oakland counties, has been a provider of rehabilitation services for children, teens and adults with brain and spinal cord injuries since 1983. With more than 35 residential locations, three treatment centers, a NeuroRehab Campus® and two vocational centers, Rainbow offers services that span nearly every aspect of brain and spinal cord injury recovery and rehabilitation. Our residential settings include adult homes, child and adolescent homes, town houses and semi-independent living apartments. Day treatment, home- and community-based rehabilitation and outpatient services are also available.

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