

## **Brain Injury Fact Sheet**



TIRR Memorial Hermann is a nationally recognized rehabilitation hospital that returns lives interrupted by neurological illness, trauma or other debilitating conditions back to independence.

Some of the world's leading physicians in rehabilitation medicine provide care at TIRR Memorial Hermann. The patient care environment blends passionate people, exemplary care and a commitment to each patient's overall quality of life.

TIRR Memorial Hermann offers comprehensive rehabilitation programs and services that address the individual needs of each patient. Core rehab programs include:

- Stroke
- Brain Injury
- Spinal Cord Injury
- Amputation
- Specialty Rehabilitation
  - Neurodegenerative diseases
    - Includes multiple sclerosis, Parkinson's disease, post-polio syndrome, rheumatoid arthritis, lupus
  - Multiple trauma
  - Any debilitating conditions

TIRR Memorial Hermann's comprehensive inpatient, outpatient and vocational services are accredited by CARF, the Commission on Accreditation of Rehabilitation Facilities.

Our programs focus on maximizing the patient's functional abilities by providing specialized medical management, nursing and therapy services in individual, group and community settings.

With our interdisciplinary team approach, support groups, counseling and individualized training are provided to prepare patients, their families and caregivers for additional responsibilities upon discharge.

## **Brain Injury Program Fact Sheet**

We are committed to seeing the potential in every person and often give opportunities to those who have no other options. In our commitment to the development of the patients' full potential, goal setting and treatment planning are creative and aggressive.



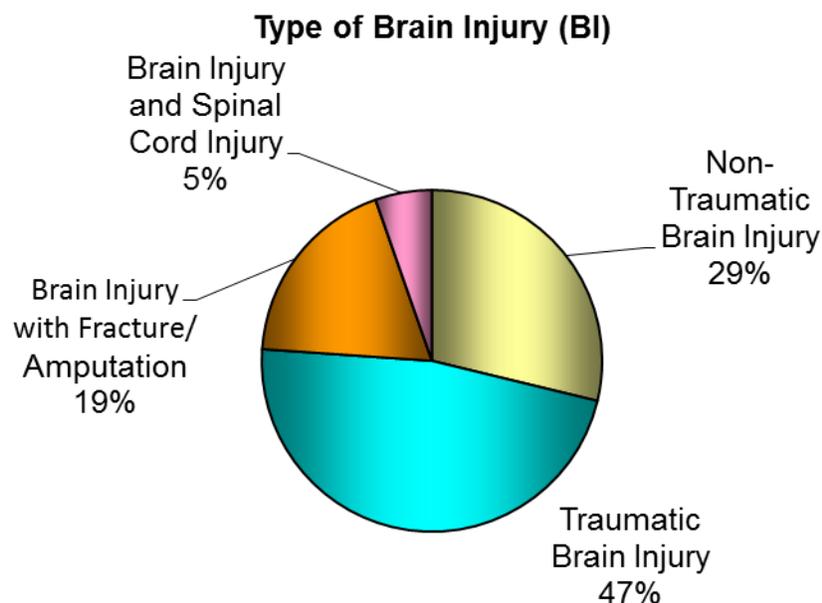
*Don Mathews, Traumatic Brain Injury*

Even after coming out of the coma, Don had a long road to recovery. In addition to his more visible injuries, he had suffered severe brain damage resulting in significant short-term memory loss. Still, he worked diligently relearning how to walk, talk and take care of himself. And as he progressed in his recovery, he decided he wanted to continue his schooling and applied for admission to Texas A&M University.

## Brain Injury Program Information

The Brain Injury Program at TIRR Memorial Hermann has a team of physicians, therapists, nurses, case managers and social workers dedicated to expert care of persons with brain injury.

- As part of the program, designated education classes are dedicated to teaching you or your family about brain injury.
- The Brain Injury Program provides patient rooms, nursing care units and gym space specifically designed and equipped to meet the unique needs of a person with brain injury.



In 2015, a total of 410 patients were discharged from the Brain Injury Program.

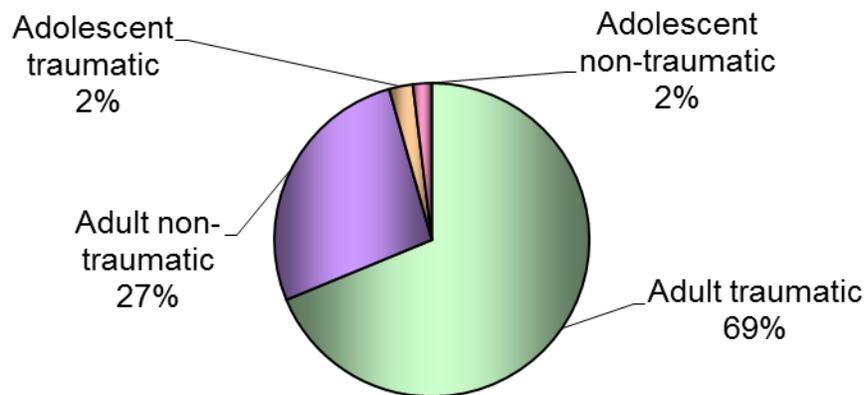
- 118 patients, or 29 percent, had non-traumatic brain injuries. Non-traumatic brain injury means trauma is not the cause of the injury. Examples of these are surgery-related brain injuries or tumors.
- 194 patients, or 47 percent, had traumatic brain injuries. Traumatic brain injury means trauma is the cause of the injury. Examples of these are falls or vehicle accidents.
- 76 patients, or 19 percent, had traumatic brain injuries with fracture and/or amputation.
- 22 patients, or 5 percent, had traumatic brain injuries with spinal cord injury.

### Average Age and Gender

In 2015, 392 adult patients were discharged from the Brain Injury Program.

- The average age of a patient with a non-traumatic brain injury was 48.
- Of the total number of non-traumatic brain injury admissions (110 patients) 61, or 55 percent, were male and 49 patients, or 45 percent, were female.
- The average age of a patient with a traumatic brain injury was 42.
- Of the total number of traumatic brain injury patients (282 patients): 211, or 75 percent, were male and 71, or 25 percent, were female.

### Brain Injury Program Statistics



### Adolescent Patient Age and Gender

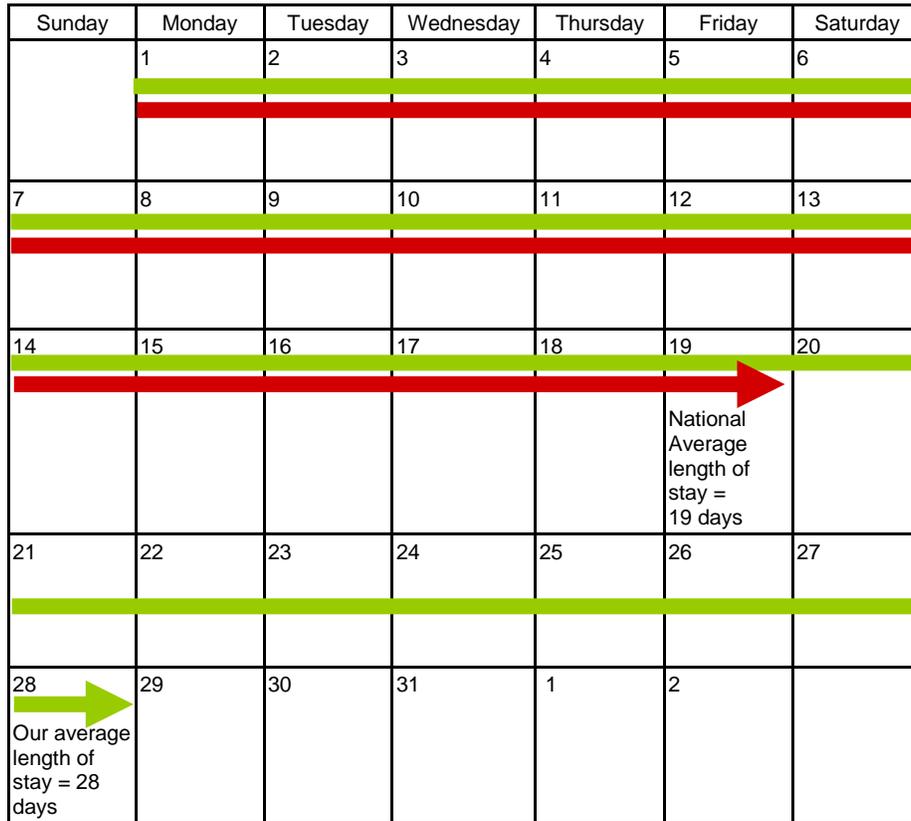
*(For our purposes, we define adolescent patients as ages 13 to 17.)*

In 2015, 18 adolescent patients were discharged from the Brain Injury Program.

- The average age of an adolescent patient with a non-traumatic brain injury was 17.
- Of the adolescent patients with non-traumatic brain injury: six (6) were male and two (2) was female.
- The average age of an adolescent patient with a traumatic brain injury was 16.
- Of the adolescent patients with traumatic brain injury: eight (8) were male and two (2) were female.

**Length of Stay**

*How many days are patients with Brain Injury at TIRR Memorial Hermann?*



TIRR Memorial Hermann's length of stay is in green and the national average is in red.

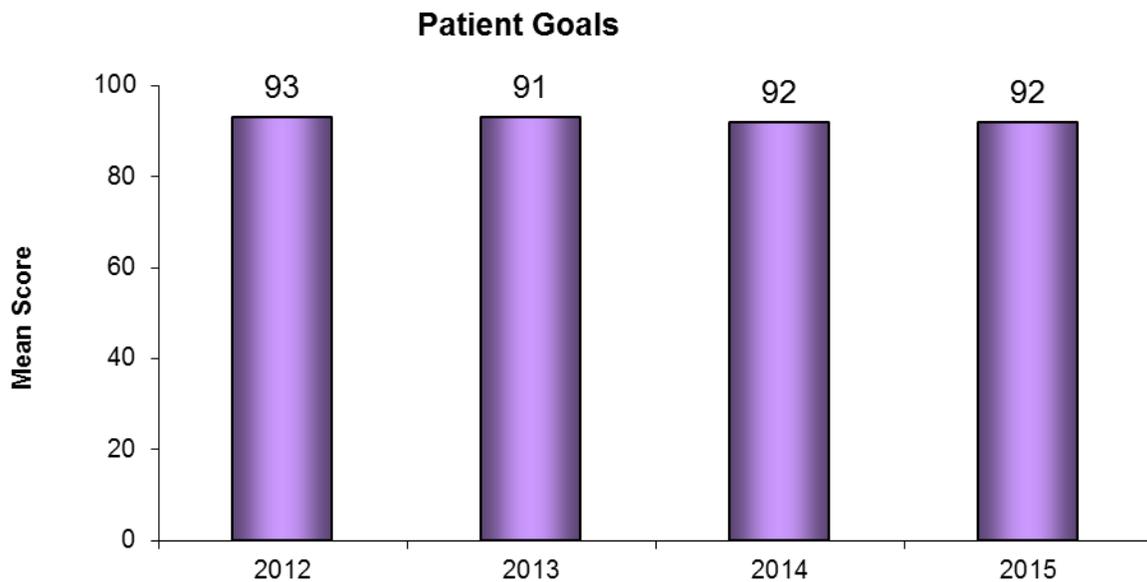
Each patient care team contributes to the decision about how long you will be at TIRR Memorial Hermann, based on your individual rehabilitation needs.

- The average length of time patients with brain injury were at TIRR Memorial Hermann was 28 days.
- The National average length of time similar patients with a brain injury were at other rehabilitation facilities was 19 days.

**Meeting Goals**

*Assistance in Setting Patient Goals and Meeting Patient Goals*

The rehabilitation process begins by setting patient goals. The care team, working with you, or your family member, helps to establish goals that you will be working towards achieving by discharge. These goals assist the team in development of a treatment plan, which is designed to help patients meet their discharge goals.



- In 2015, the mean score for staff assisting the patient, or family members, with meeting their discharge goals was at 92 for those patients in the Brain Injury Program.

Upon discharge, patients often continue working towards their goals through Outpatient therapy programs such as those offered at TIRR Memorial Hermann Adult and Pediatric Outpatient Rehabilitation or other outpatient therapy campuses within the Memorial Hermann Rehabilitation Network.

**Average Number of Treatment Hours**  
*How Much Therapy Do Patients Receive?*

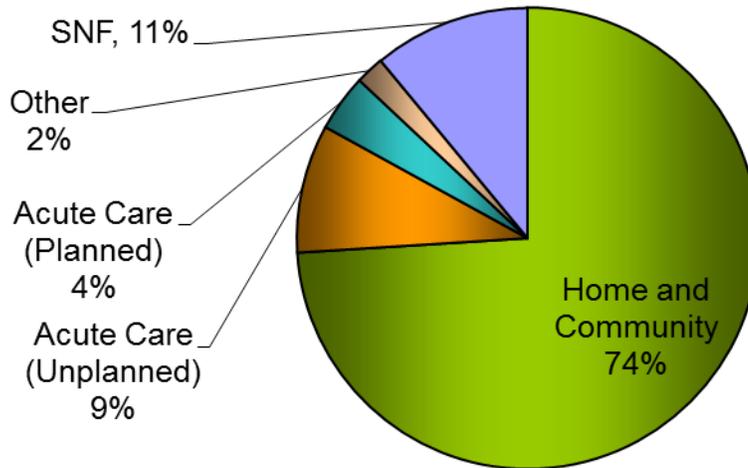
Therapy services include physical, occupational, speech, music and recreational therapies. Each member of your care team will evaluate you. This team will help develop and coordinate your treatment plan. Based on this treatment plan, you will receive combined therapy equaling three or more hours per day, for five out of seven days a week.

- On the average patients received three to four hours of therapy per day among all disciplines, including group therapy sessions.
- The maximum number of hours of therapy that can be provided is between five and six hours per day.
- Rehabilitation nursing services, along with addressing medical care needs, are key parts of the therapeutic process which assist in carryover of therapy skills outside of therapy sessions. These needs may be scheduled or unscheduled and require attendance or participation to maximize independence, training, and/or recovery.
- While therapy is maximized during the week, weekend therapies are considered an integral part of the treatment schedule as well.
- Weekend Program includes (as designed by your team)
  - Education classes for families and patients
  - Therapeutic activities
  - Community re-entry activities
  - Medical management
  - Individual therapy sessions
  - Group sessions
- Scheduled therapy sessions may begin as early as 7am and can occur in the evenings as well, as late as 8pm, depending on patient goals that your team identifies. Therapeutic activities at TIRR occur every day of the year.

**The Results of Rehab**

*How Many Brain Injury Patients Go Home to the Community?*

**Discharge Location Percentages in 2015**



You and your care team will work together to decide the safest and most appropriate place to discharge.

- In 2015, the percentage of brain injury patients who discharge to home or a place in the community from TIRR Memorial Hermann was 70 percent.

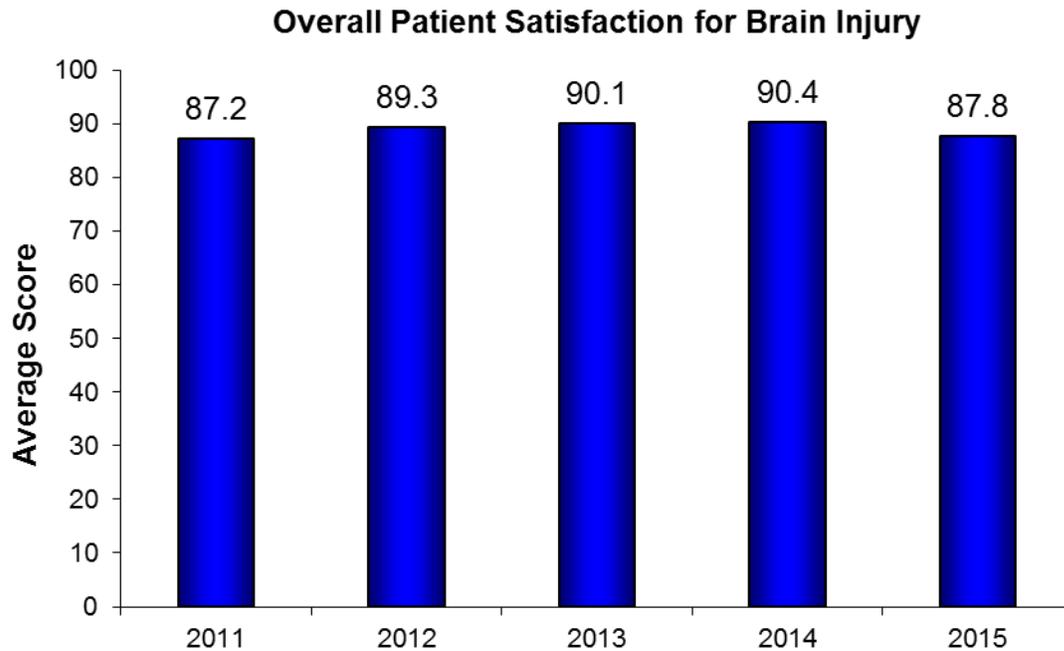
TIRR Memorial Hermann patients are most often discharged home; however, some go to acute-care hospitals for additional treatment or surgery and some go to a transitional setting such as a skilled nursing facility or long-term care.

In 2015:

- The percentage of patients with a brain injury who discharged to an acute care facility was 13 percent.
- The percentage of patients with a brain injury who discharged to a skilled nursing facility was 11 percent.
- The percentage of patients with a brain injury who discharged to other care facilities was 2 percent.
- Sometimes patients with medical complications have to return to an acute-care hospital for further medical care. At times these transfers are unplanned and are called “unplanned acute care transfers.” Of the 410 brain injury patients discharged in 2015, 38, or 9 percent, had an unpreventable unplanned acute care transfer during their stay.

### **Patient Satisfaction**

*How TIRR Memorial Hermann Brain Injury Patients Feel About Their Care*



You will be asked to complete a satisfaction survey after your stay at TIRR Memorial Hermann. You will be asked to rate the overall care at the hospital on a scale of 1 to 5 and the scores are converted to a scale of 0 to 100.

In 2015:

- Patients with brain injury and their families rated their care 87.8 points out of 100.
- When patients and family members were asked if they would recommend TIRR Memorial Hermann to others, 91 percent responded that they would.

***Thank you for choosing TIRR Memorial Hermann for your rehabilitation care.***