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 and preparing families and caregivers for responsibilities upon discharge.

Features:
- Specialized medical management
- Rehabilitation nursing
- Therapy services in individual, group and/or community settings
- Interdisciplinary team approach
- Support groups
- Counseling
- Individualized training
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.

“Kara Beatty, Traumatic Brain Injury

“When I first arrived, I was unable to walk, write or identify objects. While in physical therapy I worked on my balance and gross motor skills. In occupational therapy, I was challenged with writing and other activities requiring fine motor skills. In speech therapy I worked on words and their meanings.”
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 2012, a total of 400 patients were discharged from the Brain Injury Program.

- 107 patients, or 27 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.
- 184 patients, or 46 percent, had traumatic brain injuries. Traumatic brain injury means trauma is the cause of the injury. Examples of these are falls or vehicle accidents.
- 75 patients, or 14 percent, had a brain injury and multiple fractures or amputations.
- 34 patients, or 6 percent, had both a brain injury and a spinal cord injury.
Average Age and Gender

In 2012, 377 adult patients were discharged from the Brain Injury Program.

- The average age of a patient with a non-traumatic brain injury was 50.
- Of the total number of non-traumatic brain injury admissions, 60 patients, or 59 percent, were male and 41 patients, or 41 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: 216, or 78 percent, were male and 60, or 22 percent, were female.

### Brain Injury Program: Adults and Adolescents

- Adolescent Non-Traumatic: 2%
- Adolescent Traumatic: 4%
- Adult Non-Traumatic: 25%
- Adult Traumatic: 69%

**Adolescent Patient Age and Gender**

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

In 2012, 23 adolescent patients were discharged from the Brain Injury Program.

- The average age of an adolescent patient with a non-traumatic brain injury was 14.
- Of the adolescent patients with non-traumatic brain injury: four were male and two were female.
- The average age of an adolescent patient with a traumatic brain injury was 15.
- Of the adolescent patients with traumatic brain injury: nine were male and eight were female.
### Length of Stay

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

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

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 patients with a brain injury were at other rehabilitation facilities was 16 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 2012, the mean score for staff assisting the patient, or family members, with meeting their discharge goals was at 92.73 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.
Brain Injury
Fact Sheet

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

- In 2012, the percentage of brain injury patients who discharge to home or a place in the community from TIRR Memorial Hermann was 71 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 2012:
- The percentage of patients with a brain injury who discharged to an acute care facility was 21 percent.
- The percentage of patients with a brain injury who discharged to a skilled nursing facility was 7 percent.
- The percentage of patients with a brain injury who discharged to other care facilities was 1 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 400 brain injury patients discharged in 2012, 62, or 16 percent, had an unpreventable unplanned acute care transfer during their stay.
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 2012:
- Patients with brain injury and their families rated their care 89.3 points out of 100.
- When patients and family members were asked if they would recommend TIRR Memorial Hermann to others, 93 percent responded that they would.

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