

Kiwanis Pediatric Trauma Institute
2008 Annual Report



www.kpti.org

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Director’s Message

Dear New England Kiwanians;

Because of your support, the Kiwanis Pediatric Trauma Institute program continues to reach tens of thousands of children across New England each year. During the past year, KPTI has been able to constantly re-evaluate the effectiveness of programs and provide the greatest value to all parties involved. The following report will outline the activities of the year, giving you, our major supporters, the facts on how your donations are used and what you have provided to the New England community. On behalf of the Kiwanis Pediatric Trauma Institute, the Floating Hospital at Tufts Medical Center, as well as the children of New England and the world, thank you for your generosity and continued support.

Sincerely,

Dr. Brian Gilchrist
Director

What is KPTI?

The Kiwanis Pediatric Trauma Institute (KPTI) is dedicated to the specialized care of pediatric trauma patients and to the health and safety of all children.

KPTI, located in Boston, Massachusetts, is a partnership between New England Kiwanians, Kiwanis Foundation of New England, and the Floating Hospital for Children at Tufts Medical Center. The institute supports programs in three major areas:

- **Medical Treatment**
- **Pediatric Trauma Research**
- **Injury Prevention and Public Awareness**

The greatest killer of children in developed nations is not a disease, but accidental injury or *pediatric trauma*. It kills more children than all diseases combined. Every year in the United States, nearly 10,000 children die and another 100,000 are permanently disabled because of accidental injury.

For 25 years KPTI has been helping to reduce the number of accidents, but no matter how careful we are, some children will suffer severe injuries. Children are not miniature adults and respond to trauma in ways very different from adults.

That's why KPTI has an entire system designed to respond to pediatric trauma, which includes well trained emergency medical technicians, local hospitals that can treat most injured children and a regional pediatric trauma center to which the most severely injured children will be sent for treatment by a team of doctors well versed in the special needs of the patient.

The KPTI GenRe Research Center is conducting research into the special problems of closed head trauma in children to advance our knowledge for treatment of these injuries.

Our community outreach programs are designed to bring information in a fun and engaging format to parents and children, promoting a safe childhood for every child.

KPTI is a non-profit, tax exempt organization. The programs and services provided by the Institute are supported by the Floating Hospital for Children at Tufts Medical Center, Kiwanis Foundation of New England, New England District of Kiwanis, New England District of Key Clubs, New England District of Circle K and by donations from individuals, corporations and foundations.

Injury Prevention and Public Awareness

The Accident Prevention and Public Awareness component consists of educational programs run both in the hospital and through Kiwanis clubs across New England. The following is a list of projects and activities run through the Kiwanis Pediatric Trauma Institute in the past year. Altogether, these programs reach approximately 25,000 children and their families each year.

- Kiwanis Family Safety Day and Bike Rodeos
- Key Clubby Bears
- Hap Gerrish Kiwanis Pediatric Trauma Registry
- Pediatric Emergency Card
- Trauma Dolls
- Spinoza Bear and Puppets
- Kiwanis Family Waiting Room
- Pediatric Trauma Lecture Series
- Donations for Tufts Medical Center's Child Life Dept.
- Early Childhood Injury Prevention
- Project B.E.L.T.S.
- KPTI Day Open House
- Pediatric Trauma Management Course
- Fleece Blankets for patients
- Hospital Displays
- I'm Safe on My Bike New England
- Child safety seats for patients
- Staff certified as Child Passenger Safety Technicians by the National Safe Kids Coalition.

In addition to the outreach programs, KPTI is represented at many Kiwanis family and community events each year where information is distributed, workshops are held or service projects are performed. Below is a partial list of places KPTI has been this year.

- New England Kiwanis Fall Trainer – North Conway, NH
- New England Key Club District Convention – Springfield, MA
- Massachusetts State CPS Conference – Worcester, MA
- Floating Hospital Safety Fair – Boston, MA
- New England Kiwanis District Convention – Warwick, RI
- New England Circle K District Convention – Westborough, MA
- Moving Together Conference – Boston, MA
- New England District Kiwanis Mid-Year Con. – Mansfield, MA
- Lifesavers National Conference – Chicago, IL

In addition to these events, thousands of pieces of safety information provided by the Institute were distributed through local Kiwanis clubs at events in their communities.

Also during the year KPTI staff worked to help pass legislation that requires the use of booster seats for children in Massachusetts from forty to eighty pounds and shorter than fifty-seven inches tall.

We have also been actively involved with various coalitions geared towards pediatric safety including the Massachusetts Prevent Injury Now Network, Safe Kids Boston, and the Partnership for Passenger Safety.

Pediatric Trauma Research

The research component, funded by a grant from GenRe Corporation, consists of the Pediatric Trauma Research Fellow and lab space in which to work. The research focus has been on the cerebral vascular and metabolic events in the immediate aftermath of traumatic brain injury (TBI) in children. This multi-year project continues to progress and the presentation of the latest findings will be made during the next year.

Our summer intern program this year yielded a poster regarding a data analysis of Shaken Baby Syndrome that will be presented at upcoming conferences on pediatric injury prevention and displayed in the hospital for staff and visitors to see.

Medical Treatment

The third component of KPTI's activities involves patient care. While KPTI does not directly fund the trauma-related units, the Institute often manages special programs and projects related to the care of injured children.

During the year a new pediatric surgeon was hired by the hospital. Dr. Carl-Christian Jackson has been working with Dr. Gilchrist to treat trauma and other pediatric surgery patients and is a valuable asset to the program.

Through the dedicated pediatric emergency room at Tufts Medical Center Floating Hospital for Children approximately 150 trauma patients are treated each year. Being a Level 1 Trauma Center, the hospital is able to treat pediatric trauma patients with any severity of injury. The KPTI has cared for many severely injured children this past year. The KPTI trauma team has had the wonderful fortune to see these children return to home and school, and in doing so, to recapture their childhood after enduring a traumatic injury. This is the heart of the work that the Kiwanis of New England and the KPTI trauma team strive for.

Other Projects

KPTI Website

Over the last two years the primary website of the Institute has undergone several temporary revisions. Earlier this year the newest version of the site was launched in coordination with the revision of Tufts Medical Center's entire website. On the site, www.kpti.org, there is information regarding all of the injury prevention programs of KPTI, including a complete bicycle rodeo manual. This site also provides the opportunity to request program materials for your local organizations by using an electronic form, which expedites the shipping process. Additionally, information about upcoming events such as the pediatric trauma lecture series and the KPTI Open House is kept up to date using this site.

Hap Gerrish Kiwanis Pediatric Trauma Registry

This program, named for the Kiwanian instrumental in the foundation of KPTI, is a continuation of twenty-five years of commitment by New England Kiwanis to improving the care of injured children. This internet-based registry will be accessible worldwide by rural hospitals and pediatricians, researchers and anyone in need of information on how to care for pediatric trauma patients. The immediate beneficiaries of this project include:

- Physicians, Nurses and EMTs who will have immediate access to clinical information and a system of secure communication with peers.
- Trauma Data Registrars who submit trauma data used to implement injury prevention measures.
- Research Investigators who use the data to find better methods of treatment and prevention.
- Most importantly though, the **children** whose lives will be saved because those to whom their care is entrusted will have better access to critical information.

Currently in the prototype and development stages this program has the potential to elevate the Kiwanis name to much higher regard in the world of pediatric injury prevention and the care of trauma patients. During the past year the program has been utilized by several pediatric trauma centers. As it continues to be populated with information it will reach the point where it will be of greater use to other healthcare professionals.

To learn about the latest updates on this project as well as information about other related projects happening nationwide, visit the public site of the Registry at www.hapskids.org.

Kiwanis Family Waiting Room

Thanks to the generosity of the New England District of Circle K and the Kiwanis Foundation of New England the Kiwanis Family Waiting Room for the families of surgical patients at the Floating Hospital for Children at Tufts Medical Center underwent a complete renovation. New furniture was provided, the walls were painted and new artwork and a television were hung. The centerpiece of the room continues to be a large quilt that was made by Kiwanis Family members and donated several years ago.

Pediatric Emergency Management Card

This resource for physicians, nurses and EMTs who encounter a pediatric trauma has been completely revised in the past year. The card provides information on suggested dosage for popular pediatric trauma-related medications, information on ranges of vital signs, burn management and resuscitation equipment. They have been closely reviewed by a panel of physicians and pharmacists and are available for distribution to medical personnel across New England and Bermuda.

Finances

	07-08 Budget	08-09 Budget
Income		
KFNE	172,859.55	160,301.45
Boston Foundation	71,067.68	76,753.09
Grants (NE Key Club, etc)	31,846.63	22,546.70
Gifts	11,422.93	10,000.00
Registry	79,200.00	0.00
Transfers	0.00	0.00
Other (EMT Course, KPTI Day lunch, etc)	0.00	0.00
Total Income	366,396.79	269,601.24
Expenses		
Payroll		
Administrative	73,839.60	78,269.98
Research Fellow	32,896.23	0
Director	48,192.00	48,192.00
Benefits	20,661.43	17,651.12
Total Payroll	175,589.26	144,113.09
Operating		
Programs:		
Safety Day/Bike Rodeo	7,030.73	7,241.65
Early Childhood	9,975.59	17,500.00
Key Clubby Bears	15,390.00	15,851.70
BELTS	5,188.22	6,343.87
EMT Course	0.00	1,500.00
I'm Safe	0.00	4,000.00
Trauma Registry	79,200	0.00
ED Car Seat	5,250.00	5,500.00
Trauma Staff Dev.	3,960.00	4,000.00
Patient Support	749.43	2,000.00
Other	1,930.06	4,500.00
Conferences/Meetings:		
Lecture Series	2,303.05	2,418.20
Trauma Dept.	739.95	776.95
Special Events	3,199.98	2,500.00
Conventions/Confs	6,388.53	5,500.00
Other	905.63	1,000.00
Outside Services	0	1,000.00
Copier Lease/Usage/Paper	4,749.57	4,987.05
Office Supplies	2,991.58	3,141.16
Shipping/Mailing	3,729.46	3,915.93
Public Relations	674.00	1000.00
Equipment	2,868.93	500.00
Telecommunications	296.80	311.64
Kiwanis Family Waiting Room	15,905.85	2,500.00
Miscellaneous	181.35	2,500.00
Total Operating	173,608.71	100,488.15
Research Lab	17,198.82	25,000.00
Total Expenses	<u>366,396.79</u>	<u>269,601.24</u>
Net Income	<u>0.00</u>	<u>0.00</u>

Notes to Finances

To clarify some questions there may be regarding the above statement of the Kiwanis Pediatric Trauma Institute's financial position; the following notes may be helpful;

- The Kiwanis Family Waiting Room is a new line in the budget for 07-08. The charge in this year was for a complete replacement of furniture and other improvements to the space. The bulk of these charges were covered by a grant from the New England District of Circle K. Going forward, this line will be used to assure that the condition of the space is kept up and to allow for additional improvements.
- The large variance between the 07-08 and 08-09 figures for the Early Childhood program is primarily due to certain materials being purchased in one year but not being depleted and replenished until the next.
- The increase in 08-09 of the "Other" line under Programs in the expense category is related to the pediatric emergency management card that was re-designed in 07-08 and estimated printing as well as development costs for an anticipated program regarding safe teen driving.

Acknowledgements

The Kiwanis Pediatric Trauma Institute would not be possible without the continued support of many groups and individuals. Below is a listing of our major supporters.



Floating Hospital
for Children
at **Tufts** Medical
Center



Boston MedFlight

The Boston Foundation

Gen Re Corporation