

2011 PARKVIEW
T R A U M A

ANNUAL REPORT



 **PARKVIEW**
ADULT TRAUMA CENTER

 **PARKVIEW**
PEDIATRIC TRAUMA CENTER

YEAR IN REVIEW

Traumatic injury requires an expert and well-rehearsed response by a team that anticipates the contribution of each team member. Little room exists for delay or miscalculation.

This past year, the Parkview Adult Trauma Center and the Parkview Pediatric Trauma Center dedicated resources to creating a higher standard of care for trauma patients in our region and sharpening the standard of care for trauma patients nationally.

Locally, two factors have the greatest impact on standard of trauma care: skill development among providers and ongoing performance improvement in clinical outcomes and trauma protocols. In February, Parkview sponsored the first Advanced Trauma Course for Nurses in northeast Indiana, providing additional training to trauma nurses from Parkview-affiliated hospitals and other healthcare organizations. Parkview trauma staff also coordinated and provided instruction for the Rural Trauma Team Development Course, the first such course in northern Indiana. Hands-on training opportunities are vital to our patients' lives and recovery.

In July, Parkview and Cincinnati Children's Hospital established a relationship designed to further pediatric trauma education for Parkview clinicians and advance quality improvement efforts for both organizations. We anticipate that Cincinnati's level of expertise will further help us enhance patient care by providing additional learning opportunities.

On the state level, Parkview continued to contribute to the ongoing development of a state trauma system, and participated in various statewide committees addressing delivery of trauma care.

Trauma Services Mission Statement

Our multidisciplinary team is dedicated to the treatment of victims of trauma, the education of the community and the prevention of injury. We strive for optimal outcomes by providing efficient, quality care, and are committed to supporting the caregivers in the crisis arena.

Through its trauma registry, Parkview helps define quality care for trauma centers nationally. Since 2010, Parkview has participated in an elite consortium of 114 trauma centers which compose the Trauma Quality Improvement Program (TQIP) of the American College of Surgeons. TQIP provides a framework for data collection and benchmarking processes associated with improved patient outcomes. As part of TQIP, Parkview submitted its own data to the National Trauma Data Bank (NTDB). In addition, Parkview Trauma Centers submitted data related to trauma cases at Parkview-affiliated hospitals outside Allen County for the first time this past year. While the registry data is used for many purposes, we believe strongly that such efforts to measure and compare patient outcomes with others are unparalleled in their implications for quality care.

Parkview Trauma Centers continued to be the leader in our region's trauma research and prevention efforts. Trauma epidemiologist Thein Hlaing Zhu, MB BS, DPTM, FRCP, FACE, recently welcomed trauma data specialist Dazar Opoku, MPH, to the trauma research team. Intended to advance public awareness of distracted driving, Parkview's Don't Text & Drive program extended its reach to other regions of the state and nation. In addition, Parkview collaborated with the City of Fort Wayne and the Ronald G. Repka Foundation to promote safe cycling and driver awareness through the local Share the Road campaign.

Finally, the trauma team gained new leadership with the appointment of Gaby A. Iskander, MD, MS, FACS, as trauma medical director, pediatric trauma medical director, surgical trauma ICU medical director and pediatric ICU co-medical director. We anticipate continuing the current momentum in pursuit of quality trauma care under Dr. Iskander's direction in 2012. The new year will include relocation of the Parkview Trauma Centers to Parkview Regional Medical Center as the new hospital opens in March 2012.



Gaby A. Iskander, MD, MS, FACS
Trauma Medical Director, Pediatric
Trauma Medical Director, Surgical Trauma
ICU Medical Director and Pediatric ICU
Co-Medical Director

TRANSITION TO PARKVIEW REGIONAL MEDICAL CENTER

The Parkview Adult Trauma Center and Parkview Pediatric Trauma Center will relocate to the new Parkview Regional Medical Center (PRMC) on Saturday, March 17, 2012. Patients and members of the pre-hospital trauma team can expect the same level of expert trauma care within the new hospital as currently provided at Parkview Hospital.

Construction is in the final phase for the Parkview Regional Medical Center on the northeast side of Fort Wayne. The new campus will enhance access to healthcare for the entire region by offering multiple points of entry from I-69 and connecting roadways. The regional medical center will feature specialty centers for trauma, orthopedics, neurology, heart, cancer and women's and children's health services. Trauma patients at PRMC will benefit from next-generation technology and increased efficiencies in such key areas as surgery, critical care and emergency medicine.

More than just a hospital, the Parkview Regional Medical Center will be a destination of healing, with its blend of advanced medical technology and the best in patient-centered care.

OUTREACH

A verified trauma center is one component of a trauma system – the broad network of emergency medical providers, firefighters and law enforcement personnel who respond when individuals face life-threatening injuries.

Outreach services by a trauma center are intended to help strengthen the entire system. In July 2008, the Parkview Trauma Centers expanded outreach services by creating a dedicated staff position for this purpose. The following outreach goals were adopted from the *Resources for Optimal Care of the Injured Patient (2006)*.

- Improve outcomes for patients with major trauma injuries by sharing knowledge and expertise related to patient care
- Participate with regional agencies, organizations and providers in efforts to continually strengthen the regional trauma-care system
- Facilitate access to resources of the Parkview Trauma Centers, such as educational and prevention programs, performance improvement, consultation and referrals
- Support educational programs of regional facilities and trauma healthcare personnel



Scan this QR code with your mobile device to view all education opportunities presented by Parkview or visit www.parkview.com/healthservices/traumacenters. Scanning this QR code will require download of a barcode scanner app.

Surgical services team members include, from left to right: Maria Schiebel, RN; Scott Norton, RN; Sarah Phillips, CV Surgical Tech; and Ted Anguiano, Anesthesia Respiratory Specialist.



QUALITY

For trauma centers nationwide, patient outcomes are the measure that indicates quality. American College of Surgeons-verified trauma centers continually monitor, evaluate and improve their processes in order to achieve the best outcomes for their patients. Early in 2010, Parkview Trauma Centers joined the Trauma Quality Improvement Project (TQIP), in cooperation with the American College of Surgeons, to enhance processes of collecting data. Parkview is among an elite group of 114 hospitals currently participating in TQIP.

As indicated by the following TRISS chart – the national benchmark currently available – Parkview Trauma Centers’ performance, as measured by patient outcomes, was significantly higher than the national standard every year since 1998. This national standard is based on the Major Trauma Outcome Study. In 2010, approximately three more trauma patients survived per 100 treated as compared to the national standard.

A remarkable level of trauma care is possible thanks to the expertise and level of coordination among the trauma team members – including those responsible for bedside care, case management, registry, outreach, education, prevention and research.

Source: Resources For Optimal Care of the Injured Patient, 2006

TRISS: Comparing Patient Outcomes between Parkview Trauma Centers and National Norms 1996 — 2010

Excess Survivors Per 100 Trauma Services-Admitted Patients Treated in Comparison with the National Norms



W score: positive value = performance above the standard

Z score: Z > 1.96 (performance good); Z < 1.96 (performance worse); * p < 0.05 (significant); *** p < 0.001 (very highly significant)

M score = matching injury severity with the standard (normal value: ≥ 0.88)

Inference: Parkview Trauma Centers’ performance was significantly higher than the national standard every year since 1998. In 2010, for example, Parkview had about 3 more trauma patients survive per 100 treated in comparison with the standard, as measured by the Major Trauma Outcome Study.

REGISTRY

A trauma registry is an electronic database that is essential to providing trauma service. This database is used to collect, organize and analyze information on trauma patients.

The data have many uses but are primarily used to monitor the continuum of care, from injury prevention to outcomes measurement. Currently, the Parkview trauma registry manages data for more than 35,000 patients.

The Parkview trauma registry contributes information to the National Trauma Data Bank on a quarterly basis. This contribution to larger databases allows Parkview physicians and staff to identify trends in quality measurements, to shape public policy and to benchmark at national, state and regional levels.



Source: Resources For Optimal Care of the Injured Patient, 2006

Scanning this QR code allows you to view data compiled on trauma cases at Parkview Trauma Centers in the Annual Report Data Supplement. Data may also be accessed at www.parkview.com/healthservices/traumacenters.

RESEARCH

Research is a vital component at Parkview Trauma Centers because of its implications for quality patient care, proper utilization of healthcare services (within the hospital setting), quality registry data and prevention efforts.

Parkview Hospital has engaged in research since it was initially verified as a Level II trauma center in May 2000. Parkview Trauma Centers are among the elite few trauma centers nationwide whose staffs include a trauma epidemiologist dedicated to research, data validation and tracking trends related to traumatic injury.

Research efforts during 2010 drew upon the experiences of epidemiologist Thein Hlaing Zhu, MB BS, DPTM, FRCP, FACE; the former medical director; and Lisa Hollister, RN, trauma program manager, who served as principal investigators. Other physicians and healthcare personnel served as co-investigators or collaborators in their respective areas of specialty.

Since verification, the Parkview Adult Trauma Center and Parkview Pediatric Trauma Center have tracked more than 10 active research projects covering a wide variety of topics, from database research to community-based intervention studies.



Scan this QR code to learn more about Parkview's trauma research efforts or visit www.parkview.com/healthservices/traumacenters. Scanning a QR code requires download of a barcode scanner app.



Dazar Opoku, MPH
Trauma Data Specialist, Trauma Services,
Parkview Hospital

Thein Hlaing Zhu, MB BS, DPTM, FRCP, FACE
Trauma Epidemiologist, Trauma Services,
Parkview Hospital

PREVENTING TRAUMATIC INJURY

Trauma prevention efforts reflect an ongoing commitment to protecting the health of our communities from life-threatening injuries. We are grateful for opportunities to partner with other local, state and national organizations that share this commitment.

This past year, Parkview's Don't Text & Drive cautionary message has been heard nationwide, from Evansville, Indiana, to Florida to Massachusetts. In Fort Wayne, Parkview Trauma Centers has partnered with Citilink Transit to display Don't Text & Drive campaign graphics on a Citilink bus that provides transportation to several colleges and universities. In addition, several community events featured a driving simulator at the local shopping mall and other public venues to provide hands-on education about the danger of texting while driving.



Trauma educators also continue to promote public safety on these topics:

- Drinking and driving
- Bike helmet safety
- Share the Road, the national cyclist – motorist safety initiative
- Proper fit and installation of infant car seats
- Teen driver safety
- ATV safety

Parkview's trauma registry identifies falls as the number one mechanism of injury that brings individuals of all ages to the trauma center for care. This year, Parkview began development of a new trauma prevention initiative called "Know Falls." Early steps included completion of a community-wide needs assessment to learn what is already being done locally to address this health concern for individuals age 65 years and older. With data collection complete, a comprehensive plan is being developed. Parkview will partner with community groups that currently work with the elderly and soon begin education efforts to help reduce the number of injuries from falls.

KNOW FALLS

TRAUMA SERVICES TEAM

Gaby A. Iskander, MD, MS, FACS, Trauma Medical Director, Pediatric Trauma Medical Director, Surgical Trauma ICU Medical Director and Pediatric ICU Co-Medical Director, Parkview Hospital; and Trauma Surgeon, Indiana Surgical Specialists

Lisa Hollister, RN, Trauma Program Manager

Sarah Begy, RN, Pediatric Trauma Coordinator

Tracy Collins, RN, BSN, Trauma Performance Improvement Program Nurse

Debbie Hawkins, RN, BSN, Trauma Program Nurse

Cheryl Hoepfner, RN, BSN, Trauma Program Nurse

Diane Hunt, Trauma Administrative Assistant

Lori Hunt, BA, Trauma Prevention Coordinator

Bryan Mathieson, FNP-C, Trauma Nurse Practitioner

Dazar Opoku, MPH, Trauma Data Specialist

Chad Owen, RN, CCRN, Trauma Program Coordinator

Chris Scheumann, RN, CCRN, CEN, NREMT-P, PI
Trauma Outreach Coordinator

Sara Speith, FNP-C, Trauma Nurse Practitioner

Thein Hlaing Zhu, MB BS, DPTM, FRCP, FACE
Trauma Epidemiologist



Parkview Trauma Centers' Quality Committee includes, from left to right:

Sarah Begy, RN

Pediatric Trauma Coordinator

Lisa Hollister, RN

Trauma Program Manager

Tracy Collins, RN, BSN

Trauma Performance Improvement Program Nurse

Gaby A. Iskander, MD, MS, FACS

Trauma Medical Director, Pediatric Trauma Medical Director, Surgical Trauma ICU Medical Director and Pediatric ICU Co-Medical Director