

Trauma Center Annual Report 2011



The Region's Leader In Healthcare.

Thousands of experts and professionals coming together



ONE Team. ONE Goal.



Message to Our Community

St. Rita's Medical Center has a long history of providing quality comprehensive services that meet the physical, emotional, and spiritual needs of the community we serve. As a regional referral center, St. Rita's Medical Center provides a broad range of health services for the residents of West Central Ohio.

Through progressive leadership, St. Rita's responds to the ever-changing needs of the health care environment while maintaining a strong tradition of compassionate care. In response to the changing environment within the State of Ohio for the provision of Trauma Care, a decision was made to pursue a Level II Trauma Center Verification status in 2000. This national verification ensured that as a regional referral center St. Rita's Medical Center could continue to provide optimal trauma care at a local level for the diverse injuries and illnesses experienced by our patients and their families.

St. Rita's Medical Center Administration, Physicians and staff have been leaders in the ongoing development of the State of Ohio's Trauma System at the local, regional and state level.



Bob Baxter, FACHE
President

SRMC Trauma Services Mission Statement

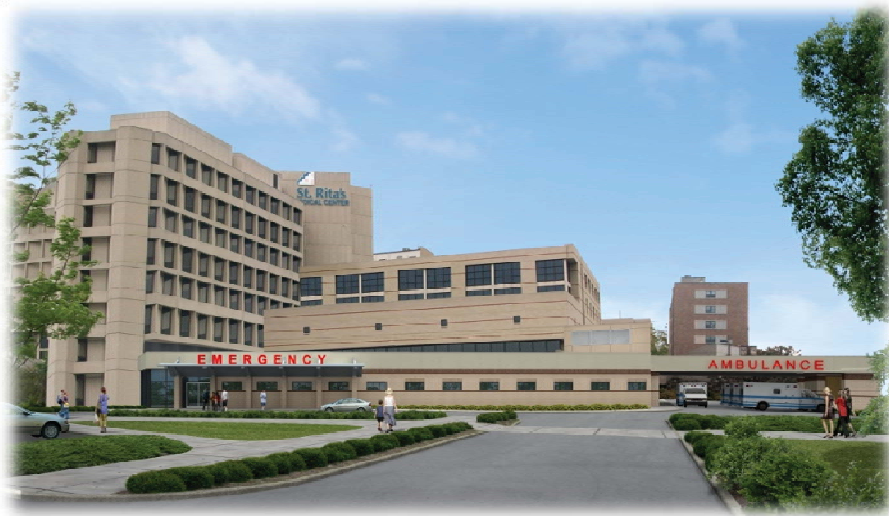
To provide with caring and compassion the highest quality trauma care, rehabilitation, outreach, and educational services to the residents of our community and region.

The Trauma Center at St. Rita's Medical Center relies on the incredible dedication and commitment of hundreds of trauma care providers working both at St. Rita's and in the geographic region we serve. St. Rita's is committed to support the growth and clinical excellence in trauma care. Success with the trauma growth plan has facilitated the recruitment of professionals with expertise in the care of the injured patient. This concentration of expertise has significantly improved the delivery of care, educational opportunities and research productivity in trauma care.

Our patients will continue to benefit from the high quality and compassionate care offered by dedicated professionals and by the steadfast leadership of experts in the field of injury.

We wish to express our sincere thanks to all the skilled individuals who work each day to care for our region's trauma patients.

The challenge for the future is to build on our current successes providing exemplary trauma care and collaborating with our local, state, national, and international colleagues to enhance care delivery beyond our walls.



Project: Emerge

Project: Emerge is an \$8 million Emergency Department expansion. It will provide 8,000 additional square feet and a complete renovation of existing space for faster treatment and an improved patient experience. It will create upgraded facilities for victims of mass casualty or hazardous catastrophe. The new trauma center will feature larger, fully equipped rooms, allowing our trauma team improved patient accessibility.

Trauma Medical Director

St. Rita's Level II Trauma Center experienced another busy year in 2011. As a regional referral center for trauma serving the surrounding 10 county area, our cases are becoming more and more challenging. Nonetheless we continually strive to provide highest-quality trauma care to all of our patients.

In the spring of 2012 we successfully achieved re-verification as a Level 2 Trauma Center by the American College of Surgeons Committee on Trauma (ACS COT), the recognized gold standard for trauma care.

The delivery of excellent trauma care depends on the hard work and dedication of numerous healthcare professionals, many of whom who choose to participate in this program despite the pressure, challenges and enormous work load our center carries as the region's first and leading Level 2 Trauma Center. Through their hard-working commitment to the community, we are able to set a standard of excellence in trauma patient care for all the systems of Allen and the surrounding counties which we are proud to serve.

As Trauma Medical Directors we address multi-disciplinary care issues as they may arise during the course of treatment from the pre-hospital setting through discharge. At SRMC we value the input from other disciplines involved in the care of the patient. The Trauma Service provides direction to appropriate care providers, assuring that quality patient care is maintained and proper resolution and loop closure are achieved.



Michael Sheehan, MD, FACS
Trauma Medical Director



Jason Bowersock, MD
Assistant Trauma Medical Director

The Trauma Service is a clinical service established by the medical staff with Michael Sheehan, MD, FACS serving as the Trauma Medical Director.

Trauma Program Manager

There are many types of specialties in medicine today. Trauma care utilizes all of these specialties to accomplish the complete continuum of care in the multi-system injured patient. Trauma Services at SRMC has expanded their service line over the last few years to include a multitude of physicians and healthcare professionals coming together to accomplish one goal: optimal care of the injured patient.

Trauma care at SRMC not only serves patients and families admitted to our facility, but also the regional community in providing pre-hospital emergency care, multidisciplinary care throughout their hospital stay, and injury prevention education to surrounding counties.

In my role as Trauma Program Manager, I have the privilege of working with so many specialized healthcare providers. Through continual monitoring of the progress of our trauma patients, our service collects data and works with all healthcare providers towards individual goal achievement through each phase of trauma recovery.

Our trauma program aims to serve as a model to our region in providing quality patient care while supporting all members of the trauma team both at SRMC and our referring hospitals.



Cindy Nagel, MA, BSN, RNBC
Trauma Program Manager

The Trauma Program Manager works collaboratively with the Trauma Director and other members of the trauma team assuring comprehensive treatment throughout the full trauma care continuum.

Trauma Registry Data Coordinators

As part of our dedication to improving the quality of care provided to the trauma patient, our trauma registrars are responsible for the efficient operation of the Trauma Registry by developing, interpreting, implementing and maintaining appropriate trauma data collection.

The Registry Coordinators are responsible for abstracting accurate information from the medical record and assigning ICD9 codes, E-codes, and procedure codes to the trauma registry patient population by using the International Classification of Disease system to maintain the highest quality of data integrity on a regular basis. The Registry Coordinators will also assign Abbreviated Injury Scores using standards set forth by the Association for the Advancement of Automotive Medicine to again ensure the highest quality of data integrity. The Trauma Registry also monitors physician tracking and profiling for proper completion of trauma data. This assures compliance with standards set forth by The American College of Surgeons (ACS) and St. Rita's Medical Center.



Trauma Services Administrative / Data Assistant

The Administrative/Data Assistant provides high level and accurate support in the day-to-day operations of the Trauma Program using multitasking abilities. The assistant is also responsible for the handling of highly confidential information for trauma case reviews. The assistant prepares information, formats the agendas, and transcribes minutes of meetings.

The Trauma Administrative/Data Assistant works with the Trauma Services team to follow through with action items or other issues that are discussed as directed by the Trauma Performance Improvement Chairperson. The function of the Trauma Program is dependent upon the efficient and timely performance of the above mentioned process completion.

Trauma Center: Specializes in Patients with Multiple Injuries

A broken leg, collapsed lung, concussion or lacerations; Alone, any one of these injuries is a problem. When one or more occur together, the result can be a serious threat to life. Caring for patients with multiple injuries is the special role of our Trauma Center.

The Trauma Service includes general surgery, neurosurgery and orthopedic surgeons. Other specialties, including physiatry, pediatrics, oral surgery, plastic surgery, ENT, internal medicine, cardiology and pulmonology, are available based upon the patient's needs.

Since 2000, St. Rita's Medical Center has been verified as Level II Trauma Center by The American College of Trauma Surgeons Committee on Trauma

Trauma Center: General Surgery



Jason Bowersock MD

Todd Hixenbaugh, MD

Sarah Olt, MD

Michael Sheehan, MD, FACS

Jeffrey Wisser, DO

Trauma Center: Specializes in Patients with Multiple Injuries

A Trauma Service Team meets all patients and families upon arrival in our Emergency Department. These specialized surgeons are responsible for assessing the injured patient and coordinating trauma patient care.

The overall goal is for the trauma surgeon to direct a team-oriented approach to the patient's care



Trauma Center: Trauma Patient Pathway

INJURY

- ☒ Person injured by crash, fall, violence, industrial, recreation incident, or other cause

CALL

- ☒ Call to 911 by injured person or passerby
- ☒ Call received at designated Public Service Access Point (sheriff or local police)

RESPONSE

- ☒ Trained 911 dispatcher determines appropriate resources and dispatches responders
- ☒ Responders may include Emergency Medical Technician-Basic, EMT-Intermediate, EMT-Paramedic, Firefighters/Paramedics, Local Police, County Sheriff Deputies, State Highway Patrol, and Air Ambulance.

TRIAGE

- ☒ EMS follows national criteria for evaluating injured patients
- ☒ More than 90 percent triaged to level II Trauma Center or higher



TRANSPORT

- ☒ Most patients go by ambulance (basic or advanced)
- ☒ One in five needs air ambulance (depending on distance, weather, traffic, or patient condition)

TRAUMA CENTER

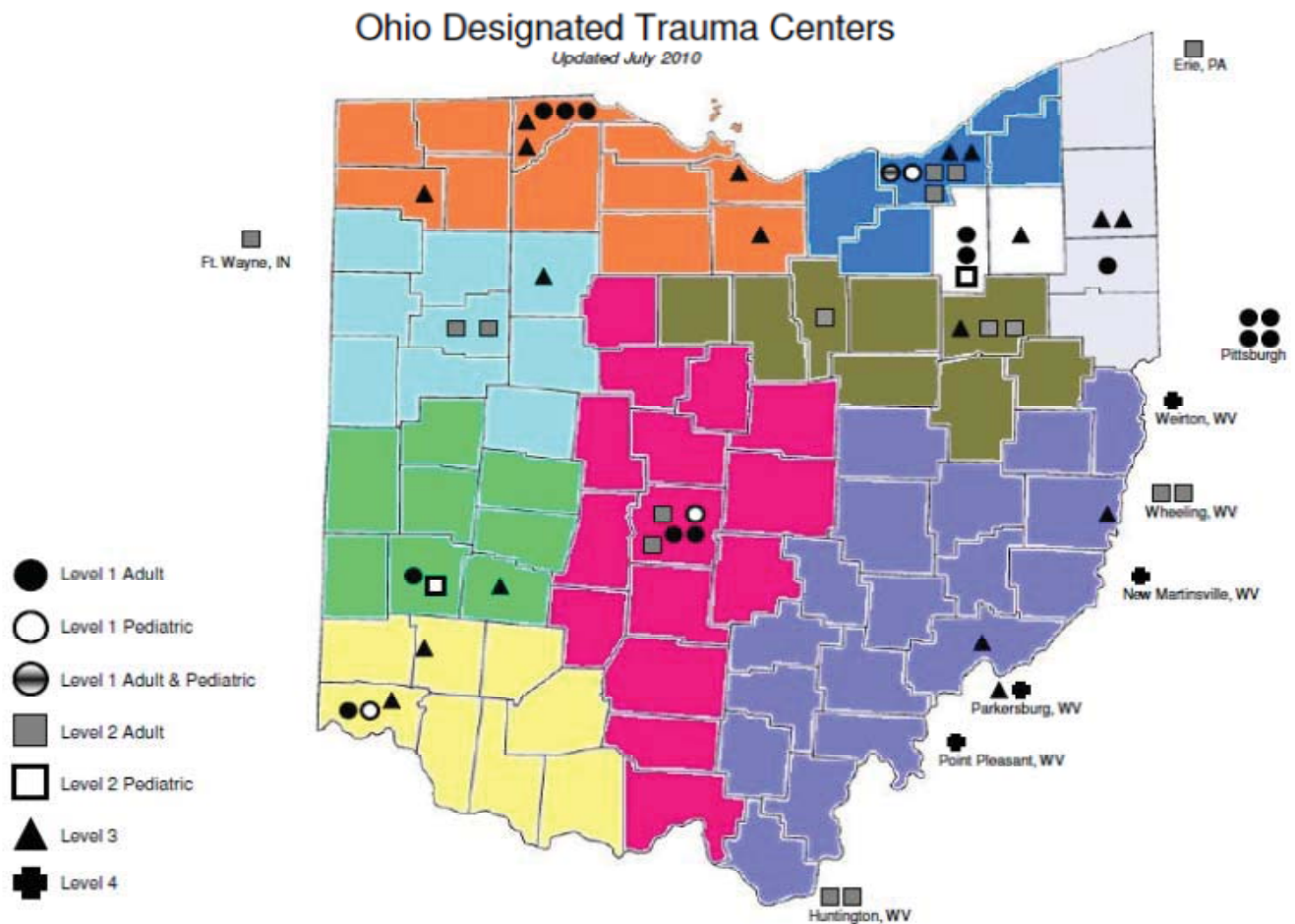
- ☒ Emergency Physicians assist ambulance crew via radio or cell phone
 - ☒ William E. Tucker, MD, FACEP – Emergency Department Medical Director
- ☒ Patient is met by Trauma Team for prompt evaluation, resuscitation and care
 - ☒ Michael T. Sheehan, MD, FACS – Trauma Medical Director
 - ☒ Jason Bowersock, MD – Assistant Trauma Medical Director

TRAUMA CENTER: COORDINATED CARE

- ☒ From admission to rehabilitation, the care provided along the patient's journey to recovery is seamless. The Trauma Team provides coordinated care focusing on treatment, emotional, spiritual, and financial needs of our patients and families.

Trauma Center: Pre Hospital Care

- ❏ Trauma patients identified by emergency medical providers within our 10 county service area are routed to St. Rita’s Medical Center Trauma Center. SRMC trauma service area includes Allen, Auglaize, Hancock, Hardin, Logan, Mercer, Paulding, Putnam, Shelby, and Van Wert counties.
- ❏ From admission to rehabilitation, the care provided along the patient’s journey to recovery is seamless. The Trauma Team provides coordinated care focusing on the whole body – physical, emotional, spiritual and financial treatment for our patients and families.



http://www.publicsafety.ohio.gov/links/ems_trauma%20Center%20Map%202010.pdf

Pre Hospital Care & Emergency Services Outreach

The Pre Hospital Care Coordinator (PHCC) is responsible for mutual coordination of all activities between SRMC and Pre Hospital services in the ten county area. The PHCC serves as a resource, liaison and educator to EMS squads, students & schools for emergency medical services.



Brian Anderson EMT-P
Pre Hospital Care And
Emergency Services Outreach Coordinator

- ❏ The PHCC also serves as an Emergency Services Outreach Coordinator; developing, monitoring and maintaining relationships with various pre hospital agencies and referring institutions within the service area of SRMC. The PHCC works to build trust, respect, community and regional recognition, and promote referral source confidence by education and presentation of the emergency acute care and transport services offered by SRMC. These include but are not limited to Emergency Medicine, Level II Trauma Services, Emergent Interventional Cardiology, Life Flight and Mobile ICU Services.
- ❏ The Emergency Services Outreach Coordinator represents SRMC as a regional leader in the service area as well as identifies other service area needs and opportunity for development. The Outreach Coordinator will work collaboratively with the Pre Hospital EMS Coordinator in assisting in educational opportunities and problem resolution – especially with more remotely located agencies and institutions.



Trauma Center: Trauma Team

Highly skilled trauma team offers treatment in a Level II Trauma Center seven days a week, 24 hours a day – keeping advanced trauma care close to home.



The enthusiasm, flexibility and teamwork within the program provide ongoing opportunities to bring the care of the most severely injured patients to the highest level.

The trauma team is activated each time an injured patient arrives at St. Rita's Medical Center. Each member contributes a particular expertise. The trauma team is highly trained to quickly care for complex patients in a dynamic environment, often with only limited information.



Trauma Center: Lima Allen County Paramedics



LACP/St. Rita's Medical Center, LLC provides emergency and non-emergency stretcher and wheelchair transportation for the City of Lima and Allen County areas. Our organization has worked in conjunction with other local and governmental agencies in provision of 911 and emergency coverage for more than 45 years. Each of our emergency units is staffed with EMT-Paramedics and EMT-Basics that provide services at the Advanced Life Support level. At LACP, we strive to provide prompt, efficient, and advanced trauma care as a partner with local facilities and our community.

Trauma Center: Life Flight

St. Rita's Medical Center operates Life Flight® air medical transport service in partnership with St. Vincent's Medical Center and the University of Toledo Medical Center.

Life Flight consists of 5 helicopters, certified by the Commission on Accreditation of Medical Transport Systems (CAMTS), which accredits rotor wing air medical transport services, based throughout northwest Ohio including: Lima/Bluffton, Toledo, Sandusky, Wauseon, and Milan, headquarters for North Central EMS. Life Flight III, located 14 miles north of Lima, is the primary aircraft for the region served by St. Rita's Medical Center.

Life Flight III's primary response area includes the following counties: Paulding, Putnam, Hancock, Van Wert, Allen, Hardin, Mercer, Auglaize, Logan, and Shelby.

All Life Flight helicopters can be requested by local fire, EMS, law enforcement, or hospital personnel.



Trauma Center: More than the ER

Once many people thought a “trauma center” was simply another name for a hospital emergency department, but it is much more than that. The Trauma Center is responsible for the care of patients from the time of injury to the completion of rehabilitation. It is the complete continuum of care for every aspect of an injury. The trauma team incorporates physicians from multiple specialties.

The Emergency Department is one of the first vital links of the trauma program. Specially trained emergency physicians and staff ensure each patient receives the best care possible. The Emergency Department Physicians are board-certified in emergency care. All Emergency Department Physicians taking care of trauma patients have been certified in ATLS (Advanced Trauma Life Support), and maintain current certification in Advanced Cardiac Life Support. Our registered nurses have additional education and are certified in TNCC (Trauma Nursing Core Course). Other support staff maintain continuing education to better care for the emergency patient.

The construction of our new Emergency Department is just one way SRMC is dedicated to the care of critical patients. Construction has allowed for larger trauma bays and critical care rooms, and the addition of more rooms for quicker patient care.



William Tucker, MD, FACEP
Emergency Services Medical Director



Trauma Center: Orthopedic Trauma Services



Our Orthopedic Surgeons provide around the clock coverage to manage and care for every kind of musculoskeletal injury. Our surgeons also have expertise in replanting major limbs, complex microsurgical reconstructions and other advanced techniques.



Lloyd Briggs, Jr., MD, MS
Mark McDonald, MD
James Nieman, MD
James Patterson, MD
Michael Wieser, MD

Frank Fumich, MD
Joseph Misson, MD
James O'Neill, MD
William Sanko, MD

Steven Haman, MD
Michael Muha, MD
Samir Patel, MD
Gary Schniegenberg, MD

Introducing Selvon St. Clair MD, PhD
Specializing in Orthopedic Spine Surgery



Orthopedic Traumatologist: Board Certified by the American Board of Orthopaedic Surgeons



Dr. Haman has significant experience treating complex fractures as well as multiple fractures that can result from high energy trauma. Since Dr. Haman's arrival in 2006, trauma patients transferred out of St. Rita's have decreased by over 50%.

Trauma Center: Neurosurgery

Robert Baker, DO

David Cooley, MD

Monica Loke, MD

Trauma Center: ENT (Ears, Nose, Throat)

Surianarayanan Ambalavanan, MD

Susan Rossi, MD

Janaki Emani, MD

Trauma Center: Oral-Maxillofacial Surgery

Patrick Chaney, DDS, MS

Donald Knowles, DDS

Andrea Leopold, DDS, MS

Bryan Luna, DDS MS

Tyra Meyer, DDS

Trauma Center: Pediatrics

Shama Amin, MD

Rajbir Bajwa, MD

Tilly Duncan-Sampson, MD

John Liggett, Jr., MD

Celeste Lopez, MD

Sheilla McNeal, MD

Ramchandra Nallu, MD

Sarah Pirtle, MD

Ramalinga Reddy, MD

Vicente Romero, MD

Magdalino Tatad, MD

Mark Winerman, MD

Trauma Center: Plastic Surgery

Matthew Akers, MD

Mark Mathieson, MD

Trauma Center: Anesthesiologists

David Bargainnier, DO

Kenneth Hanover, MD

Jeremy Heitmeyer, DO

Bak Kim, MD

Robert Moon, MD

Prabhakar Parsa, MD

Patrick Pasion, DO

Kenneth Patick, MD

Eric Porter, MD

Michael Schneider, MD

Andrew Shirk, DO

Pavan Telang, MD

Lori-Anne Tungpalan-Grondolsky, MD

Yihe Xu, MD

Anthony Zhou, MD

Trauma Center: Radiologists

Thomas Church, MD

Andrew Cook, MD

Aimee Hawley, MD

Kevin Killough, MD

Peter Knabe, MD

Lisa Lee, MD

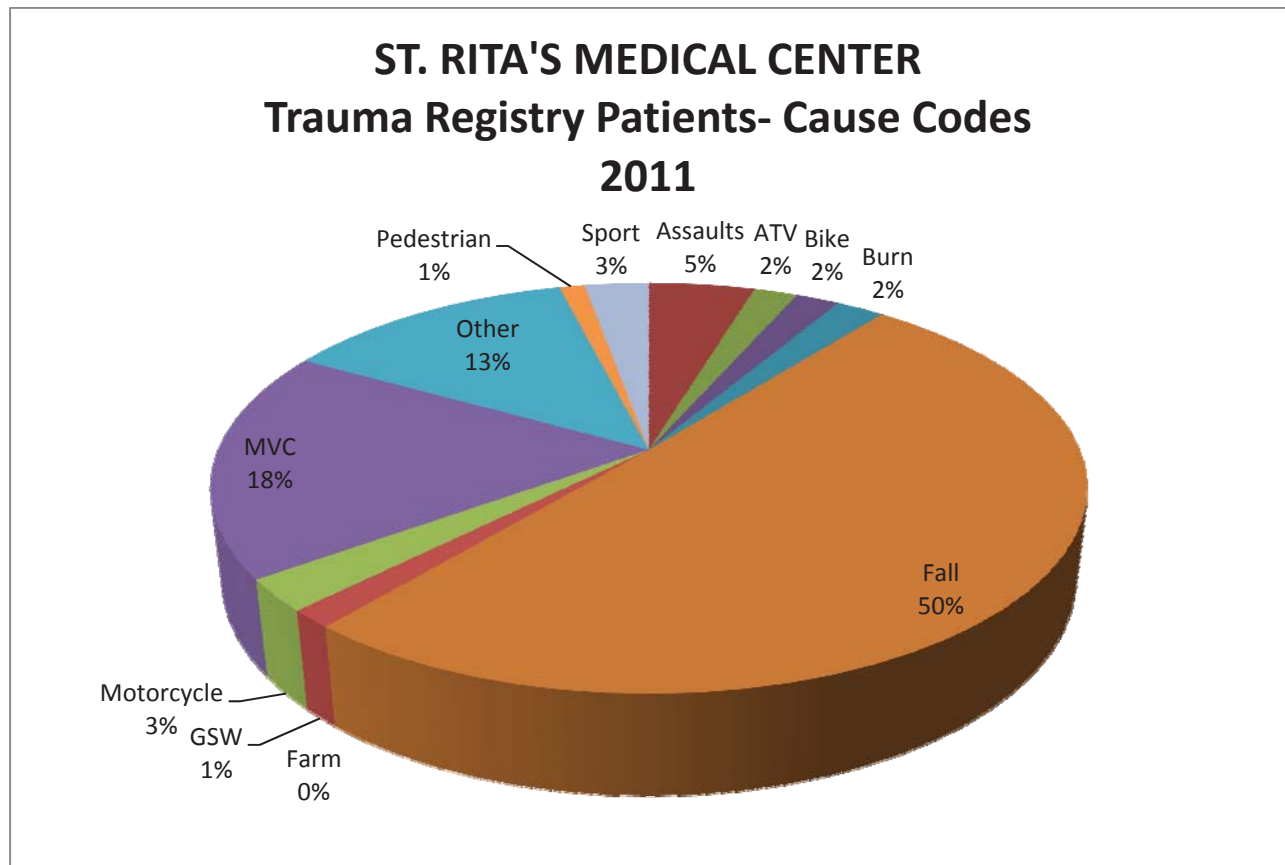
Patricia McCutchan, MD

Nicole Nelson, MD

Pavan Punikollu, MD

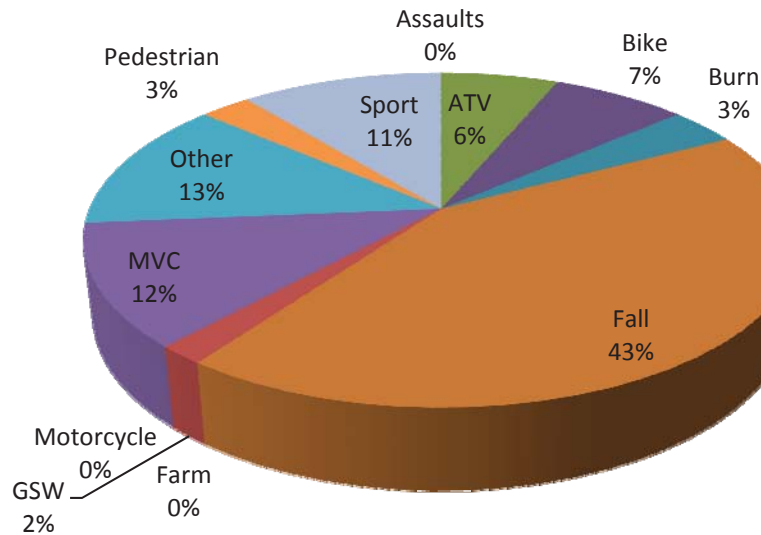
Patrick Rao, MD

Brett Rush, DO

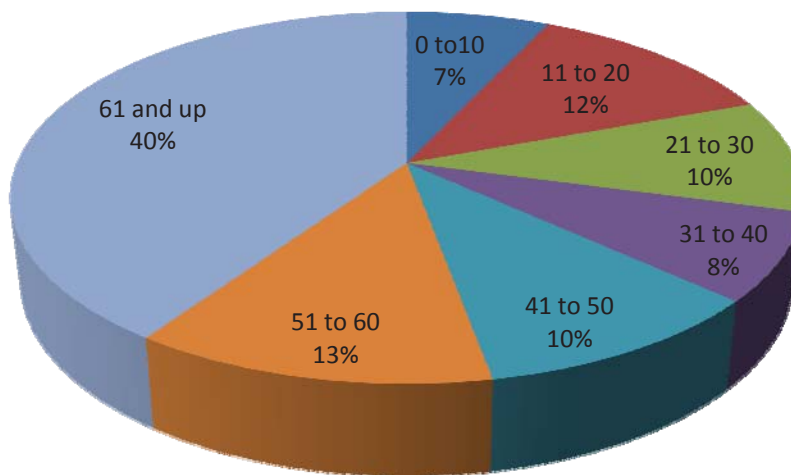


Other Includes: Drowning, Electrical, Exposure, Self, Smoke, Snow, Sport, Stab, Unknown

ST. RITA'S MEDICAL CENTER Trauma Registry Pediatric Patients - Cause Codes 2011



TRAUMA REGISTRY PATIENTS BREAKDOWN BY AGE 2011



Trauma Center: A Faster Road to Recovery

Injured patients treated at St. Rita's Trauma Center receive comprehensive care from a team of rehabilitation professionals. The overall result is significantly faster recovery.

Nationwide, patients with major multiple injuries are hospitalized for an average of 8 days. For similar patients seen in our Trauma Center, the average stay is only 6.8 days. Physical medicine and rehabilitation physicians (Physiatrists) help the trauma center establish these results through early intervention and treatment plans carried out by the rehabilitation team.

Early contact with the trauma patient provides an opportunity for patient and family education about their future rehabilitation needs and help patients achieve their maximum recovery.

Trauma Center physiatrists specialize in virtually every kind of injury. The rehabilitation team also includes nurses, psychologists, therapists, and other specialists who are skilled at helping injured patients put their lives back together.



Trauma Center: Physiatrists

Susan Hubbell, MD

Kurt Kuhlman, DO

Mary Ann Myers, MD

Matthew Owens, MD

Advancing Trauma Care through Education

Our commitment to interdisciplinary education is exemplified by the establishment of the multiple certifications, courses, and conferences designed to explore the issues that arise at the moment of injury through the continuum of trauma care and integration back into the community.

SRMC Trauma Center offers many educational programs for pre hospital providers, healthcare professionals, physicians, and the community, including:

- ☛ Trauma Case Conferences – monthly interdisciplinary discussions
- ☛ Trauma Nursing Courses – continuing education for nurses in several specialties
- ☛ Bi-Annual Trauma Symposium – continuing education day for all trauma providers
- ☛ Trauma Reports – monthly articles with the latest updates in trauma care
- ☛ Critical Care Education Program
- ☛ TNCC – Trauma Nurse Core Course
- ☛ ACLS – Advanced Cardiac Life Support
- ☛ PALS – Pediatric Advanced Life Support
- ☛ BLS – Basic Life Support
- ☛ FCCS – Fundamental Critical Care Support



Prevention Works

While traumatic injury continues to occur in our region, the trauma team at St. Rita's Medical Center recognizes education does make a difference. SRMC accredited Level II Trauma Center leads the region in trauma prevention education. We provide regular programs that are supported by the Ohio Department of Public Safety, along with providing individualized programs to meet the specific needs of our various communities.

Injury Prevention Programs

- ††† Specialized requested programs for communities in Region 3
- ††† Motorcycle Safety Course
- ††† Adult Health and Fall prevention
- ††† Children's Health Fairs
- ††† Seatbelt and Car Safety
- ††† Kick Off Your Shoes – Diabetes Program
- ††† Multi-Generational Health Fairs
- ††† Water Safety

- ††† Brain Injury Prevention for Athletes
- ††† Adult & Child Bicycle Safety



Bike Helmet Program

All pediatric patients admitted to SRMC with injuries are provided a bicycle helmet during "bicycle seasons". Pediatric patients and their families are provided with an education packet full of fun activities for children to teach the importance of being safe while enjoying time with family & friends.



Trauma Center: Contact Information

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Gayle Holdgreve, CSTR

Trauma Services Data Coordinator
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Compassion
Excellence
Human Dignity
Justice
Sacredness
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Service



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