Kansas Trauma System
When injuries cannot be addressed by resources at the hospital emergency department.

- Stabilize and Transport

**Emergency Medical Services** (Pre-Hospital)
- Triage
- Stabilization
- Communication
- Transportation

**Trauma Center**
- Typical Patient
- Injuries Treated:
  - Multiple Fractures
  - Paralysis
  - Punctured Lung
  - Stab Wound
  - Brain Injury

**Hospital Emergency Department**
- Typical Patient
- Injuries Treated:
  - Broken Leg
  - Back Sprain
  - Broken Rib
  - Laceration
  - Concussion

**Interfacility Transport**

**Rehabilitation**

**Home**
Noelle Holmes: A Walking Miracle

T-Boned by a Tanker Truck
On September 20, 2012, Senator Mitch Holmes got the phone call that every parent dreads...his daughter, Noelle, had been in a serious accident just two months after her 18th birthday. She had not seen a semi approaching before she started to cross the highway, and was T-boned by a tanker truck traveling at highway speed. She was transported from the scene by EMS to Stafford County Hospital where she was transferred by air ambulance to Wesley Medical Center, a Level I trauma center in Wichita.

The Response
When she arrived at Wesley, Noelle was in a coma. She lay in a coma for 10 days, then a semi-coma for another four days before being transferred to Madonna Rehabilitation Hospital in Lincoln, Nebraska. Judging by the length of her coma, the doctors said it would take 12-18 months of therapy. At that time, she was in a neck brace, her right arm and leg were non-functioning, and her left side was extremely limited.

"The trauma system in Kansas was essential in getting the right care to our daughter when her life depended on it. We are thankful that Kansas has such a high-quality program and for the professionalism of the individuals who serve when trauma occurs."

-Kansas Senator Mitch Holmes

The Recovery
To everyone’s surprise, including her doctors and therapists, she made an extremely rapid recovery. She was released from in-patient rehabilitation three weeks prior to predictions, just in time for Thanksgiving. Her neck brace was gone and she could walk well enough to navigate stairs with help.

She finished her outpatient therapy less than six months after the accident, far shorter than the 12-18 months expected. Now Noelle is able to do things she had previously been able to do, like play the piano and milk goats on the family’s farm.

Want to make a difference?...Get Involved

The regional trauma councils invite your participation in state and local life-saving efforts. Trauma teams at every level provide the opportunity for those interested in trauma system development to get involved, whether it’s planning for trauma education, providing community education, identifying solutions to address the needs of the trauma patient, analyzing data to target injury prevention efforts or updating regional trauma plans. Why not contact your regional trauma council today to see how you can get involved and make a difference in the lives of those injured in Kansas? For more information contact the Kansas Trauma Program at 785-296-3180 or visit kstrauma.org.

Scan this QR code or visit kstrauma.org to learn more about the Kansas trauma system.

Noelle Holmes recovered from a serious accident that left her in a coma for nearly two weeks.
That was  **THEN**

2007

This is  **NOW**

2013

To view a current list of designated trauma centers in Kansas, scan this QR code or visit kstrauma.org/locations.

“Hospitals across Kansas are working together to improve trauma care and get patients to the appropriate facility. By improving rural access to trauma care, it will be easier for people to make the Kansas prairie their home. Lives depend on it.”

- Charlie Grimwood; Vice President for Regional Development at Salina Regional Health Center
Regulations established in 2006 give the Kansas Department of Health and Environment the authority to designate Kansas hospitals as a trauma center based on trauma care resources. Trauma centers are ranked by the level of resources they have available from Level I to Level IV. Each level defines national standards for evidence-based trauma care in hospitals.

**Level I** trauma centers provide the highest level of trauma care with a full range of specialists and equipment available. Key elements include 24-hour in-house coverage by general surgeons and prompt availability of care in varying specialties.

**Level II** trauma centers provide comprehensive trauma care and supplements the clinical expertise of Level I institutions. Level II centers do not have the research responsibility required of Level I centers.

**Level III** trauma centers serve communities that do not have access to a Level I or II institution. The majority of patients presenting at the level III can be cared for in the center and do not require transfer. However, Level III centers have the process in place to transfer the most severely injured patients as needed to Level I or II centers.

**Level IV** centers are located in rural areas and provide initial evaluation and assessment of injured patients. Less severe injuries can be provided for in these facilities that typically do not have general surgical or orthopedic coverage on a consistent basis. For a list of Level IV trauma centers visit kstrauma.org.

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**Kansas Trauma Program:**

Integrating Trauma Care Statewide

The Kansas Trauma Program coordinates health care partners statewide and works with the established infrastructure of the Advisory Committee on Trauma (ACT) and the Regional Trauma Councils (RTC) to support activities that will promote a comprehensive trauma system that ensures optimal trauma care to patients. The Trauma Program collaborates with the regions to develop regional systems of care that meet local needs and to provide a system where appropriate inter-regional transfers can take place. The Kansas Trauma Program brings together leaders in trauma care and provide resources that are needed to maintain and strengthen the Kansas Trauma System.

“The Kansas Trauma System is delivering on its promise to improve trauma care for those injured in our state. We have accomplished this goal by setting high standards and working together collectively across the state. Trauma care has been improved through provider education programs, trauma center development and community injury prevention efforts. No better outcome can be achieved when through prevention awareness an injury has been averted.”

- Paul B. Harrison, MD FACS and Advisory Committee on Trauma Chair

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**Designated Trauma Centers**

Kansas has three Level I trauma centers:
The University of Kansas Hospital, Kansas City; Wesley Medical Center, Wichita; and Via Christi on St. Francis, Wichita.

Kansas has two Level II centers:
Overland Park Regional Medical Center, Overland Park; and Stormont-Vail HealthCare, Topeka.

Kansas has five Level III centers:
Hays Medical Center, Hays; Hutchinson Regional Medical Center, Hutchinson; Labette Health, Parsons; Salina Regional Health Center, Salina; and Via Christi Hospital in Pittsburg.
Kansas Trauma System: Looking Forward

1994
- NHTSA EMS/Trauma System Assessment completed
- Sub for SB 106 authorizes the Kansas Trauma System
- Governor appoints Advisory Committee on Trauma (ACT)
- Trauma System Plan developed

1998
- First annual meeting of RTC executive councils
- Data Dictionary developed
- Kansas Trauma Plan approved

2001
- Regional Trauma Quality Improvement Policy finalized
- Trauma Registry enhancements implemented
- ACT develops Regional Quality Improvement Policy
- Level IV Regulations approved and Level IV trauma centers designated
- SB 139 includes regional performance improvement
- CDC Field Triage Pilot Project in Southeast region
- Kansas EMS Information System (KEMSIS) and Collector project completed
- American College of Surgeons BIS assessment completed
- Regulations approved for trauma center designation
- HB 2752 gives KDHE authority to designate trauma centers
- First Regional Plans developed and approved

2002
- First Regional Trauma Council (RTC) meeting
- Trauma Registry made available to the nine participating hospitals

2003
- First Benchmark Report released
- Web-based version of registry becomes available
- First Trauma Outcomes Performance Improvement Course (TOPIC)

2004
- Trauma registry criteria changed for children
- Hospitals begin to download data to central site

2005
- Level III trauma centers designated
- Level III trauma center grants awarded

2006
- Level IV Regulations approved and Level IV trauma centers designated
- ACT establishes Level IV trauma center criteria
- ACT Strategic Planning Meeting

2007
- Act develops Regional Quality Improvement Policy
- Trauma Registry enhancements implemented
- Kansas Trauma Plan approved

2008
- Regional Trauma Councils established

2009
- First Trauma Outcomes Performance Improvement Course (TOPIC)

2010
- First Trauma Outcomes Performance Improvement Course (TOPIC)

2011
- Web-based version of registry becomes available

2012
- First Trauma Outcomes Performance Improvement Course (TOPIC)

2013
- First Trauma Outcomes Performance Improvement Course (TOPIC)

2014
- First Trauma Outcomes Performance Improvement Course (TOPIC)

2015
- First Trauma Outcomes Performance Improvement Course (TOPIC)

2016
- First Trauma Outcomes Performance Improvement Course (TOPIC)

Working Together
Trauma Affects All Kansans

The State Trauma Registry contains information about the serious injuries treated in Kansas hospitals. It shows that trauma occurs in all parts of the state, urban and rural, and that no age, social or economic group is spared. Each day, approximately 25 Kansans are injured severely enough to require the services of a trauma center. Injuries in Kansas are a leading cause of death for people 1-44 years of age and are life-altering events for the elderly. The Centers for Disease Control and Prevention (CDC) estimates that for every two people who die of traumatic injuries, another six are permanently disabled.

Falls are the leading cause of unintentional trauma. Almost half of unintentional trauma in Kansas is fall-related, followed by motor vehicle crash occupant trauma. While fall-related trauma affects all ages, a disproportionate number of those needing trauma care are 65 years or older. Women are twice as likely to sustain fall traumas as their male counterparts.

Motor vehicle occupant injury is the second most common unintentional injury in Kansas. In 2011, 382 people died on Kansas roads. On average, 75 percent of fatalities occur in rural areas of the state. Trauma related hospitalizations for young occupants, 15-24 years of age, are almost twice that of any other age group.
### Regional Trauma Councils

#### North Central Kansas Regional Trauma Council
**Executive Committee Members**

**Physicians:**
- Cayle Goertzen, MD (Chairperson)
- Pamela Steineke, MD, FACS

**Nurses:**
- Rebecca Brown, RN (Secretary)
- Mary Gray, RN (Vice-Chairperson)

**EMS:**
- Don Lieb, Paramedic
- James Buller, Paramedic (Treasurer)
- Charlie Grimwood, PhD, FACHE
- Ron Bender

**Health Departments:**
- Tammy Ware, LPN
- Angela Murray, RN

**ACT Representative:**
- Jake Breeding, MD, FACS

**Administrators:**
- Brandon Payne, Paramedic (Secretary)
- Deborah Kaufman, BS, AEMT (Chairperson)

**Physicians:**
- Elizabeth Carlton, RN, MSN, CCRN
- Lois Towster, ARNP, MSN, CCRN (Secretary)

**Nurses:**
- Natalie Hartig, Paramedic

**EMS:**
- Mary Gray, RN (Vice Chair)

**Health Departments:**
- Ron Bender

**Administrators:**
- Richelle Rumford, RN (Treasurer)
- Julie Miller, RN, CEN

**Physicians:**
- Rich Miller

**Nurses:**
- Richelle Rumford, RN (Treasurer)

**EMS Division:**
- Michelle Dorsey, RN

**Health Departments:**
- Lorraine Baughman, RN

**Administrators:**
- Judy Rockwood, BSN, RN, MSN, CCRN (Secretary)

**Physicians:**
- Robert Haan, MD, FACS (Chairperson)
- Jonny Jo Deckert, AEMT (Chairperson)

**Nurses:**
- Tammy Ware, RN, BSN

**EMS:**
- Mike Vaidez, RN (Secretary)

**Health Departments:**
- Shari Jelison, RN

**Administrators:**
- Julie Hulseby, RN

#### South Central Kansas Regional Trauma Council
**Executive Committee Members**

**Physicians:**
- James Haan, MD, FACS (Chairperson)
- Scott Porter, MD, FACS (Vice-Chairperson)

**Nurses:**
- Teena Johnston, RN
- Kris Hill, RN, MSN (ACT Representative)

**EMS:**
- Justin Waite, Paramedic
- Chad Poor, Paramedic

**Health Departments:**
- Shari Jelison, RN

**Administrators:**
- Mike Vaidez, RN (Secretary)
- Nancy Zimmerman, RN (Treasurer)

**Physicians:**
- Robert Huebner, MD, FACS (Chairperson)
- SONYA Culver, DO

**Nurses:**
- Tereasa DeMeritt, APRN (Secretary)
- Janelle Dimond, RN (Treasurer)

**EMS:**
- Ross Varone, Paramedic
- Tim Stebbins, MD (Vice-Chairperson)

**Health Departments:**
- Todd Durham, RN

**Administrators:**
- Drew Taibott
- Kathy McKinney, RN

**Physicians:**
- Robert Huerbner, MD, FACS

**Nurses:**
- Tammy Hedrick, RN

**EMS:**
- Jerry Jo Deckert, AEMT (Chairperson)

**Health Departments:**
- Doughnut County EMS

**Administrators:**
- Andrew Campfield, RN, Paramedic
- Art Frable

**Physicians:**
- Shawn Conrad, MD

**Nurses:**
- Tammy Hedrick, RN

**EMS:**
- Jerry Jo Deckert, AEMT (Chairperson)

**Health Departments:**
- Kandi Stebbins, RN

**Administrators:**
- Andrew Campfield, RN, Paramedic
- Art Frable

#### Southeast Kansas Regional Trauma Council
**Executive Committee Members**

**Physicians:**
- Robert Huerbner, MD, FACS

**Nurses:**
- Tammy Hedrick, RN

**EMS:**
- Jerry Jo Deckert, AEMT (Chairperson)

**Health Departments:**
- Pat Young, RN, BSN

**Administrators:**
- Andrew Campfield, RN, Paramedic
- Art Frable

**Physicians:**
- Shawn Conrad, MD

**Nurses:**
- Tammy Hedrick, RN

**EMS:**
- Jerry Jo Deckert, AEMT (Chairperson)

**Health Departments:**
- Pat Young, RN, BSN

**Administrators:**
- Andrew Campfield, RN, Paramedic
- Art Frable

#### Southwest Kansas Regional Trauma Council
**Executive Committee Members**

**Physicians:**
- Shawn Conrad, MD

**Nurses:**
- Tammy Hedrick, RN

**EMS:**
- Jerry Jo Deckert, AEMT (Chairperson)

**Health Departments:**
- Pat Young, RN, BSN

**Administrators:**
- Andrew Campfield, RN, Paramedic
- Art Frable

### Advisory Committee on Trauma

**Name**
- Dr. Paul Harrison
- Chairperson

**Organization, Member City Location**
- KS Medical Society, Wichita

**Designees**
- Dr. Dennis Allin
- Vice Chairperson

**Legislators**
- Senator Laura Kelly
- District 18

**Name**
- Ms. Cathy Heikes

**Organization, Member City Location**
- SW RTC Rep., Dodge City

**Designees**
- Dr. Dennis Allin
- Vice Chairperson

**Legislators**
- Senator Mary Pilcher-Cook
- District 10

**Name**
- Ms. Patricia Lucke

**Organization, Member City Location**
- SC RTC Rep., Pekin

**Designees**
- Dr. Dennis Allin
- Vice Chairperson

**Legislators**
- Representative Dave Crum
- District 77

**Name**
- Dr. James Longabaugh

**Organization, Member City Location**
- NE RTC Rep., Salina

**Designees**
- Dr. Dennis Allin
- Vice Chairperson

**Legislators**
- Representative Jim Ward
- District 86