GETAC Trauma System Committee Meeting

Jorie Klein, BSN
Dan Dao, MPH
Jane Guerrero, BSN
Robert Greenberg, MD
Purpose of Survey

- Define current status
- Define strengths and weaknesses in system
- Define cost of system
- Define trauma uncompensated care
Trauma Center Demographic Data

- Hospital:
  - Number of Licensed Beds
    - Number of resuscitation rooms
    - Number of operating Rooms
    - Number of ICU beds
  - Address:
  - Define Trauma Center Capabilities:
    - Adult Trauma Center
    - Adult and Pediatric Trauma Center
    - Pediatric Trauma Center
    - Verified Burn Center
  - RAC:
  - Urban or Rural
  - Critical Access Hospital: Yes No
  - Individual completing survey:
  - Title:
  - Level of Trauma Facility Designation: I, II, III IV, Pediatric, Burn Center, IAP
Trauma Center 2016 Survey

• Data of first trauma center designation: ____ (year)
• Following years of trauma designation:
  1.
  2.
  3.
  4.
  5.
  6.
  7.
  8.
  9.
  10.
• Expected date of next designation review:
• Trauma Center upgraded level of trauma designation in _____ (year)
• Trauma Center downgraded level of trauma designation in ____ (year)
## Trauma Medical Director

**Name:**

**Credentials:**

**Fellowships:**

<table>
<thead>
<tr>
<th>Courses Completed</th>
<th>Completed</th>
<th>Instructor</th>
<th>Not completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCAA Trauma Medical Director Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TCAA Trauma Finance Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trauma Center Leadership Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STN TOPIC Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident Command Training</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATLS Instructor</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Trauma Center 2016 Survey

- Medical Director Annual Contract Salary
- Please define
  - $250,000 - $325,000
  - $326,000 - $400,000
  - $401,000 - $450,000
  - $451,000 - $500,000
  - $501,000 - $550,000
  - $551,000 - $600,000
  - Greater than $600,000
# Trauma Program Manager / Director

**Name:**

**Title:**

## Credentials

<table>
<thead>
<tr>
<th>Course</th>
<th>Completed</th>
<th>Instructor</th>
<th>Not Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATS Trauma Program Manager Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TNCC / ATCN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENPC / PALS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STN Optimal Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident Command Training</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TCAA Trauma Center Leadership Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TTCF Designation Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TETAF / TTCF Data Management Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STN TOPIC Course</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Trauma Center 2016 Survey

- Trauma Program Manager / Director Annual Salary
  - $65,000 - $75,000
  - $75,001 - $85,000
  - $85,001 - $95,000
  - $95,001 - $105,000
  - $105,001 - $150,000
  - $150,001 - $200,000
  - Greater than $200,000
Trauma Center 2016 Survey

• Does your trauma center have dedicated trauma resuscitation nurses? Yes No
• Does your trauma center document trauma resuscitations in the EMR? Yes No
• Does your trauma center have a dedicated injury prevention coordinator? Yes No
• Does your trauma center have a dedicated trauma outreach education coordinator? Yes No
Trauma Center Survey 2016

- Does your trauma center have a clinical ladder for trauma registrars? Yes No
- If yes, does it align with the Cancer Registrars? Yes No
- Trauma Registry Manager or Lead Registrar assists or manage
  - PI reports
  - Research
  - Grant development
  - TQIP Oversight
  - Verification / designation assistance
  - Trauma Activation Charges
  - Data validation / submission
  - Survivor identification
Trauma Center 2016 Survey

• Injury Prevention Coordinator Background
  – Masters Prepared RN
  – Masters Prepared non-nurse
  – BSN RN
  – Bachelor prepared non-nurse
  – ADN RN
  – Social Worker
  – Paramedic
Trauma Program Staff

- Number of Trauma Surgeons:
- Number of Orthopedic Surgeons:
- Number of Neurosurgeons:
- Number of Anesthesiologist:
- Number of Trauma Advanced Practice Providers:
- Number of CRNAs:
- Number of Trauma Registrars:
Trauma Center 2016 Survey

- Average trauma on-call pay (all trauma/surgical specialties)
  - $2500 - $3000
  - $3001 - $3500
  - $3501 - $4000
  - $4001 - $4500
  - $4501 - $5000
  - $5001 - $6000
  - $6001 - $6500
  - $6501 - $7000
  - $7001 - $7500
  - $7501 - $8000
  - Greater than $8000
Trauma Center 2016 Survey

• Trauma Center utilizes advanced practice providers? Yes No
  – Number of NPs: ______
  – Number of Pas: ______

• Clinical areas
  – Trauma Program
  – Trauma ICU
  – OR assist
  – Orthopedics
  – Neurosurgery
  – Geriatrics
  – Pediatrics

• Scope of practice is defined as clinical areas for trauma? Yes No

• Trauma specific job descriptions are defined? Yes No

• Clinical ladder system is in place? Yes No

• Clinical skills development is addressed through orientation to role? Yes No

• Is there a defined consistent orientation manual for trauma for the advanced practice provider? Yes No
Trauma Center 2016 Survey

Has your trauma center’s leadership team attended leadership training courses? Yes No

Specific to the program
Specific to their role
Institutional specific
ACS programs
TCAA programs
TETAF programs
TTCF programs
RAC programs
Trauma Center 2016 Productivity

• Do you have process to define trauma program productivity: Yes No

• Productivity is based on number of trauma staff / day and trauma activations per day: Yes No

• Productivity is based on number of trauma staff / day and trauma activations per day and number of trauma admits per day: Yes No

• Define other measures:
Trauma Program

• Trauma Center has difficulty finding trauma center coverage for the following:
  – Emergency Medicine
  – Trauma Surgery
  – Neurosurgery
  – Spine
  – Orthopedic Surgery
  – Hand
  – ENT / OMFS
  – Ophthalmology
  – Plastics
  – Pediatric Surgery
  – Burns
## Trauma Admissions

<table>
<thead>
<tr>
<th>Trauma Admissions</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISS 0 - 8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISS 9 -15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISS 16 - 24</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISS 25 or greater</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Define if the information is not available for the years requested</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Age Review

<table>
<thead>
<tr>
<th>Age</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth to 15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-22</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23-64</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65-75</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75-85</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>86+</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Define if data not available for the specific year</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Trauma Activation ED Disposition

<table>
<thead>
<tr>
<th>Trauma Activation ED</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Floor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICU</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expired</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transferred Out</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Define if data not available for the specific year</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Trauma Center

• Trauma Center Manages
  – Pediatric trauma
  – Burns
  – Complex TBI injuries
  – Complex pelvic fractures
  – Spinal fractures
  – Spinal cord injuries
  – Hand injuries
  – Re-implantation
  – OB trauma
  – Geriatric trauma
  – All trauma needs

• Facility is an ABA Burn Verified Center: Yes  No
Trauma Center

Number of trauma patients from out of RACs in 2015:
Number of Trauma patients from out of State in 2015:
Number of TBI patients cared for in 2015:
Number of spinal cord injuries (with or without vertebral fracture) in 2015:
Number of burn patients in 2015:
Number of patients transferred out in 2015:
Number of patients transferred in to your trauma center in 2015:
Trauma Center Medical Control

• Trauma Center provides EMS Medical Control services: Yes No

• EMS Medical Control is for:
  – City
  – County
  – Region
  – Multi-state

• Trauma Center provides air medical services: Yes No
Trauma Program

• Trauma Center’s trauma activation criteria follows 2011 CDC Field Triage guidelines: Yes No
• If no; define how defined:
• Trauma Center trauma activation guidelines
  – Has three levels of trauma activation
  – Has two levels of activation
• Activation compliance is tracked through trauma PI process: Yes No
• Trauma Center bills for trauma activation fee: Yes No
Trauma Activation Fees

• Highest level of trauma activation
  – Fee Range
    • Less than 5,000
    • 5,000 to 8,000
    • 8,001 to 11,000
    • 11,001 to 14,000
    • 14,001 to 17,000
    • 17,001 to 20,000
    • 20,001 to 23,000
    • 23,000 to 26,000
    • 26,001 to 29,000
    • 29,001 or higher
Trauma Activation Fees

• Second Level of trauma action
  – Fee Range
    • Less than 2,500
    • 2,500 to 5,500
    • 5,501 to 8,500
    • 8,501 to 11,500
    • 11,501 to 13,500
    • 13,501 to 16,500
    • 16,501 or higher
Trauma Activation Fees

• Third level of trauma activation
  – Fee Range
    • Less than 1,500
    • 1,501 to 4,500
    • 4,501 to 7,500
    • 7,501 to 10,500
    • 10,501 or higher
Trauma Activation Fee

Please Define:

• Addresses trauma center response capabilities
• Addresses trauma center response capabilities plus the physician on-call needs
• Addresses only the physician on-call needs
Trauma Center 2016 Survey

• Trauma Center Charges
  – SBIRT screening & intervention
  – PTSD screening
  – Suicide screening and interventions
  – Other screening, please list

• Trauma center has dedicated trauma Psychologist? Yes No
# Trauma Patient Payer Source

<table>
<thead>
<tr>
<th>Payer Source Percent</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self Pay</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medicaid</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medicare</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Trauma Uncompensated Care

<table>
<thead>
<tr>
<th>Trauma Uncompensated Care</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Trauma Uncompensated Care</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reimbursement received from DRP Uncompensated Care Grant</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Variance</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hospital Applies for Standard Dollar Amount Reimbursement</td>
<td>- Yes</td>
<td>- Yes</td>
<td>- Yes</td>
<td>- Yes</td>
</tr>
<tr>
<td></td>
<td>- No</td>
<td>- No</td>
<td>- No</td>
<td>- No</td>
</tr>
</tbody>
</table>
Performance Improvement Program

Utilizes the role of a dedicated PI Coordinator? Yes No
Staff have attended TOPIC? Yes No
Trauma Medical Director has attended TOPIC? Yes No
Reviews all transfers in – Yes No
Reviews all transfers out – Yes No
Reviews all deaths from trauma - Yes No
Integrated Joint Commission Taxonomy – Yes No
Supported by Trauma Registry – Yes No
Registry data is submitted to the State quarterly: Yes No
Registry data is submitted to NTDB: Yes No
Trauma Center participates in TQIP: Yes No
Trauma Center participates in Texas TQIP Collaborative: Yes No
Benchmarking data is used to evaluate outcomes and define opportunities: Yes No
Trauma Center 2016 Survey

• Trauma center implemented a Geriatric Trauma service: Yes No
• Trauma center implemented a Geriatric guidelines and resources: Yes No
• Define who is on the geriatric resources:
  – Geriatrician
  – Hospitalist
  – Internal Medicine
  – Advanced Practice Provider
  – Dedicated RNs
• Is there a dedicated unit: Yes No
• Define the age for geriatric service:
Trauma Center 2016 Survey

• Trauma Center has integrated the following TQIP Best Practice Guidelines
  – Geriatric
  – Massive Transfusion Procedure
  – TBI
  – Orthopedics

• Trauma Center has a Palliative Team available for consultation: Yes No
Trauma Center 2016 Survey

- Trauma center maintains a concurrent registry: Yes No
- Trauma Center has a method to measure trauma registrar Productivity: Yes No
- If yes, check all that apply
  - Number of new registry profiles entered daily
  - Number of profiles edits per day (concurrent registry)
  - Number of completed records daily
  - Number of reports completed daily
  - Number of ME reports integrated daily
  - Number of meetings / activities away from registry
  - Number of activation charges entered
- Number of trauma registrars:
- Staffing meets 1 registrar for 500 admissions for the Level I, II, III trauma center? Yes No
- Number of annual admissions into the trauma registry:
Trauma Registry

- Software Utilized
  - DI Product
  - Trauma One
  - Trauma Base
  - ImageTrend
  - State Registry
  - Other

- Trauma Registrar(s) have formal training
  - ATS Trauma Registry Course
  - AAAM Injury Scoring
  - ICD.10
  - TTCF / TETAF Data Management Course
  - Number that are Certified (CSTR)
  - Number that are Certified (CAISS)
  - Trauma Registrars need courses
    - AAAM Scoring
    - ICD.10
    - ATS Trauma Registry Course
Psychosocial Crisis Support

- Trauma Center has dedicated staff to address the patient and family’s crisis support needs: Yes No
- Trauma center screens for alcohol related injuries and provides intervention as needed: Yes No
- Trauma center provides Post Traumatic Stress Disorder screening and provides intervention as needed: Yes No
- Trauma center provides partner violence screening and provides intervention as needed: Yes No
- Trauma center provides suicide screening and provides intervention as needed: Yes No
- Trauma center has Child Life Support for the children of trauma patients and individuals 18 or less: Yes No
Injury Prevention Programs

- Supported by data: Yes No
- Supported by Community Partnership or Coalitions: Yes No
- Supported by RAC integration: Yes No
- Defined Targeted Injury Prevention Programs
  - Falls for all ages
  - Geriatric falls
  - MVC distracted driver programs
  - MVC impairment programs
  - Large Truck Safety Programs
  - Stranded Pedestrian
  - Bicycle Crashes
  - Motor Cycle Crashes
  - ATV Crashes
  - Water Sport Activities
  - Sports activity safety
  - Gun Safety
  - BCon Stop the Bleed Program
  - Other
- Trauma Center has defined funding mechanism for injury prevention activity: Yes No
### Outreach Education Programs

<table>
<thead>
<tr>
<th>Number of Programs Provided by Trauma Center</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLS / ITLS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TNCC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATCN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENPC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACLS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHTLS / BTLS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Burn Life Support</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disaster Training Courses ( Basic Disaster Life Support / Advanced Disaster Life Support / Disaster Management Emergency Preparedness)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rural Trauma Courses</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TCAR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCAR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual Symposium</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Trauma Center Residency Programs

__ None
__ Emergency Medicine
__ Emergency Medicine Fellowship
__ Toxicology Fellowship
__ General Surgery
__ Surgical Critical Care Fellowship
__ Burn Fellowship
__ Pediatric Surgery
__ Pediatric Surgery Fellowship
__ Orthopedics
__ Orthopedic Fellowship
__ Neurosurgery
__ Anesthesia
__ Thoracic
__ Vascular
__ Plastics
__ OMFS
__ ENT
__ Ophthalmology
__ Fellowship or residency type training program for advanced practice providers
__ Fellowship in Government Emergency Medical Security Services
__ Clinical rotations for military providers
__ Clinical rotations for military nurses / medics
Professional Education

- Nursing clinical training and rotations
- EMT / EMT-P training and rotations
- Clinical rotations for SWAT medics or Border Patrol Medics
- Clinical rotations for Air Medical teams
- Respiratory Therapist training and rotations
- Radiology Tech training and rotations
- Physician Assistant training and rotations
- Nurse Practitioner training and rotations
- Administrative Residents training and rotations
- Social worker training and rotations
- Other, Define:
Research and Publications

• Research support is available - Yes  No
• Institutional Review Board process is available: Yes  No
• Number of trauma related research projects in progress or completed in last three years: ___
• Number of trauma related publications published in last three years: ______
• Nursing research is supported? Yes  No
• Participates in research activities through RAC: Yes  No
Disaster Management

• Trauma Program participates in hospital disaster committee: Yes No
• TMD/TPM are leaders in planning for mass casualty response? Yes No
• Disaster Plan is All Hazard To Include
  – Mass Casualty producing injuries
  – Mass Casualty related to infectious disease
  – Mass Casualty related to chemical exposure
  – Mass Casualty related to radiation exposure
  – Active Shooter response plan
  – Multiple casualty response planning
  – Medical decontamination response
Regional System Participation

- Trauma Medical Director Attends: (define which committee(s))
- Trauma Program Manager/Director Attends:
- Trauma Registrar Attends:
- Trauma Center participates in EMS destination criteria development: Yes No
- Trauma Center participates in EMS protocol development: Yes No
- Trauma Center participates on Regional System Performance Improvement Committee: Yes No
- Trauma Center participates in Regional Disaster Committee activities: Yes No
- Trauma Center participates in EMTF activities for region: Yes No
- Trauma Center has a signed MOU for EMTF participation: Yes No
- Trauma Center submits data to regional trauma registry: Yes No
- Trauma Center participates in regional injury prevention activities: Yes No
- Trauma Center participates in regional professional education activities: Yes No
- Trauma Center participates in regional public education activities: Yes No
- Trauma Center participates in the regional “Stop The Bleeding” activities: Yes No
- Trauma Center has staff that are instructors for BCon Training: Yes No
- Trauma Center has a leadership role in their RAC: Yes No
- If yes, define the role:
State and National Participation

• Trauma Medical Director participates in the ACS Committee on Trauma, AAST, EAST or Western Surgical activities: Yes No
• Trauma Medical Director participates or attends state ACS or regional trauma meetings: Yes No
• Trauma Program Manager participates in STN, ENA, TCAA or other leadership organizations: Yes No
• Trauma Program Manager participates in TTCF: Yes No
• Trauma Medical Director and Trauma Program Manager participate in TETAF activities: Yes No
• Trauma Medical Director and Trauma Program Manager participate in GETAC trauma meetings / activities: Yes No
Trauma Center 2016 Survey

• List Top Three Trauma Center Priorities for 2016 – 2017
  – 1.
  – 2.
  – 3.
Trauma Center 2016 Survey

• List Top Three Trauma Patient Problems Not Resolved in Your Region
  – 1.
  – 2.
  – 3.
Thank You

Thank you for your time and commitment to the patients we serve and your contributions to improve the Texas trauma and emergency health care system.