

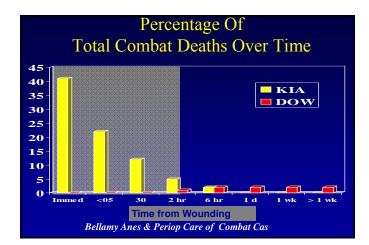
## **Eastern Association for the Surgery of Trauma**

28<sup>th</sup> Annual Scientific Assembly

Sunrise Session 11
Preparing for the Next War:
Pivotal Military-Civilian Relationships

January 16, 2015
Disney's Contemporary Resort
Lake Buena Vista, Florida



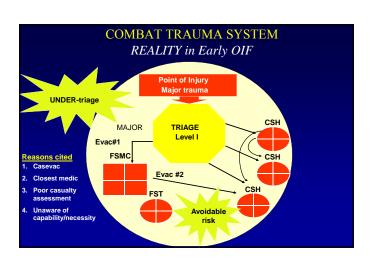


# Early, Adequate Surgery is the Answer to Died of Wounds

- Most important steps are stopping hemorrhage and avoiding infection and sepsis
- Wounds debrided of nonviable, contaminated tissue with good blood supply are best able to resist infection







### CONSEQUENCE

We had fallen behind the construct of experience gained and lessons learned from civilian trauma systems

### Trauma System

#### **DEFINITION**

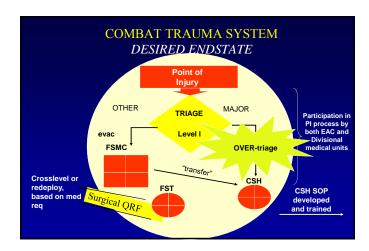
"An arrangement of available resources that are coordinated for the effective delivery of emergency health care services in geographical regions consistent with planning and management standards."

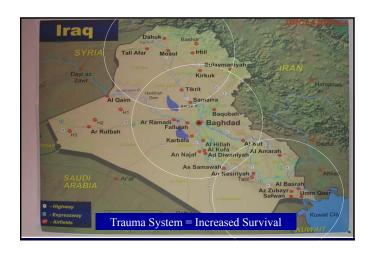
#### **GOAL**

Get the right patient to the right hospital in the right amount of time

### DEL RIO MODEL OF TRAUMA CARE

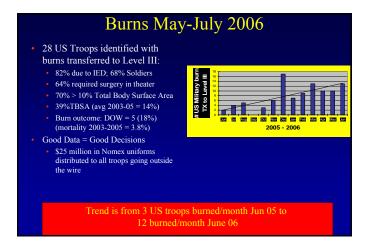


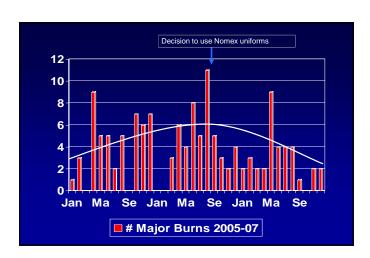


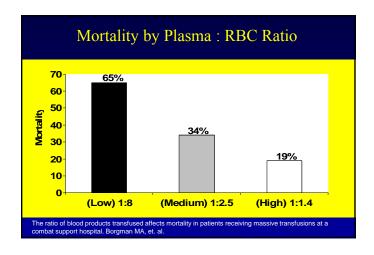




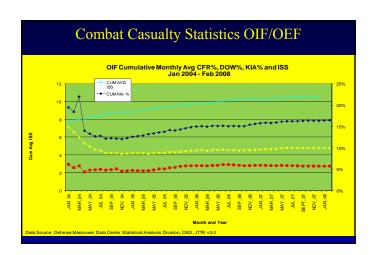


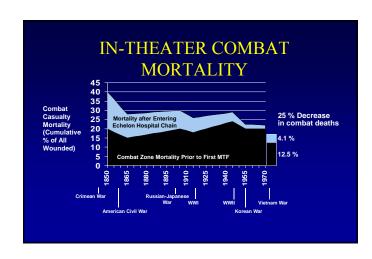


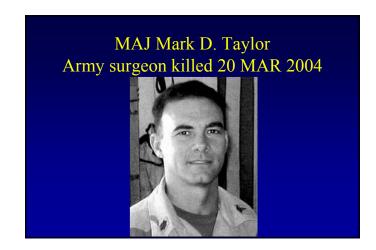


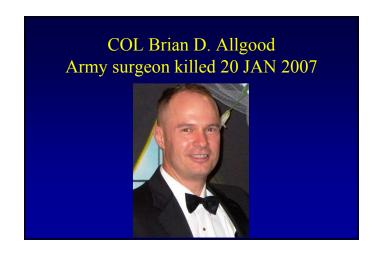


#### Comparison of Statistics for Battle Casualties, 1941-2005 World War II Vietnam War Iraq & Afghanistan %KIA 23.7% 21.3% 12.5% %DOW 3.4% 3.5% 4.1% %CFR 22.8% 16.5% 8.8%











#### The Future is in Research

- Will require close military/civilian collaboration
- Will require dedicated funding
- We must follow long term outcomes through the VA system

### What Are We Doing About It?

- Defense Health Board and its Trauma and Injury Subcommittee: report on lessons learned to SecDef
- National Trauma Institute: working with DoD researchers
- American Surgical Organizations Collaborative
- National Trauma Research Repository Development
- Large scale national injury and treatment studies
- Advocating for National Trauma Clinical Research Network Development and Funding



#### Leadership Development for the Joint Trauma System: Past and Future

Brian Eastridge, MD, FACS COL, MC, USAR

#### **Army Trauma Consultant Review of Battlefield Medical Care**

- 1. Unorganized delivery of trauma care on the battlefield

  - Casualties going to the wrong location Suboptimal staffing and placement of surgical assets
- Medical records are not reliably being delivered with casualties at each level (<40%)
   a. Impact on clinical care

Trauma

- Documentation directive
- No medical registry driven by medical input that allows accurate description of injuries or deaths
   unable to reliably answer questions and improve outcomes i. Survivable Injuries and/or deaths
  - - ii. Lack of performancew iumprovement measures / research

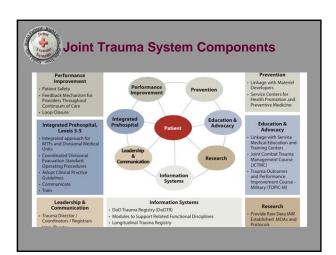


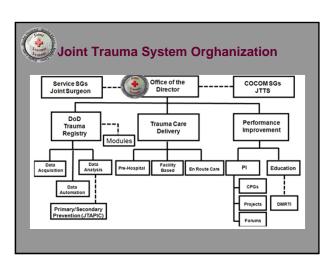
JTTS Vision / Mission
That every soldier, marine, sailor, or airman injured on the battlefield or in the theater of operations has the optimal chance for survival and maximal potential for functional recovery.

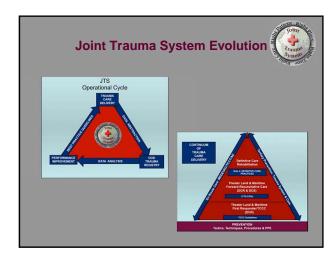
- Improve organization and delivery of trauma care
- Improve communication among clinicians in the evacuation chain to ensure continuity of care and access to data
- Populate the Joint Theater Trauma Registry (JTTR) to evaluate care provided, document outcomes, and facilitate conduct of formal research
- Evaluate and recommend new equipment or medical supplies for use in theater to improve efficiency, reduce cost, improve outcomes
- Facilitate medical performance improvement to promote real-time, data-driven clinical process improvements and improved outcomes

#### **Joint Trauma System Leadership Goals**

- Use a process to establish, maintain, and constantly evaluate and improve a comprehensive trauma system in cooperation with medical, professional, governmental, and other civilian organizations.
- Collected data used to evaluate system performance and to develop policies.
- Regularly review system performance to develop to best practice clinical guidelines.
- Informs and educates Services, regional and local constituencies, and policy makers to foster collaboration and cooperation for system enhancement and injury management.









#### **Leadership Challenges**

- Military
  - Joint or Unified command to maximize service to Joint medical community
  - POM funding / peacetime sustainment
  - Organization doctrinal mandate
  - Optimal placement
  - Co-locate with DoD medical training, DoD level
     I trauma centers, and Center for Battlefield
     Health and Trauma Research

#### **Leadership Challenges for the Future**

- Organizational sustainment
  - Staffing
  - Funding
  - Priority
- Civilian trauma partnerships
- Training platforms



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