



Agenda

- Problem and approaches
- Team
- Goal
- Publications
- Effects
- Questions



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The Problem

- Healthcare advances have brought surgical resuscitation further forward in the battle field.
- Rotary and fixed wing patient transport systems can move patients efficiently through combat operations.
- Result was increase in acuity level of patients needing transport further forward in the theater of operations.

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The Solution Developed

- 2002 Gap in critical care transport identified training program developed
- 2006 Joint En Route Care Course validated
- 2009 Joint Theater Trauma System conducted gap analysis: request for forces submitted
- 2010 18 Critical Care Nurses deploy for En Route Critical Care (ECC) Mission
- 2011 Air Force Tactical Critical Care Evacuation Team (TCCET) Joins ECC Mission

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Approaches to ECC

USAF Fever Mission

- C130
- Large Team
- ROLE II→ ROLE III
- Unregulated

UK MERT

- Medical Emergency Response Team
- CH-47
- Large Team
- ROLE I→ ROLE III









Approaches

USAF Guardian Angel

- Blackhawk
- Tactical Evacuation
- Personnel Recovery
- ROLE I, II transfers

USA MEDEVAC

- Blackhawk
- ROLE I, II transfers
- Unarmed





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ARMY MEDICINE Bering to field...thound in thro

Selection

Army Team Members

- Experienced
 Emergency Room or
 Intensive Care Nurses
- Previous deployment
- Able to meet flight physical standards



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Training

- Joint En Route Care Course
 - Flight Physiology
 - Assessment
 - Packaging
- Clinical Practice Guidelines
- Transport Nurse Advanced Trauma Course
 - Air and Surface Transport Association



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Our Workspace





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ARMY MEDICINE

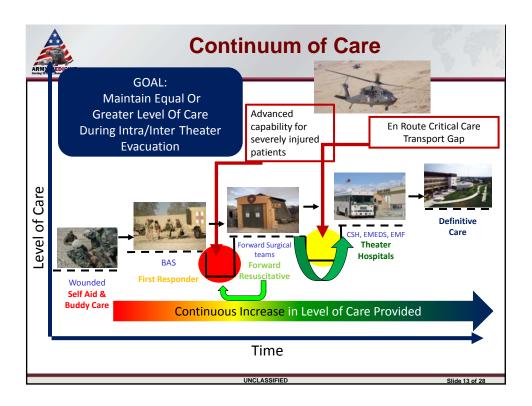
En Route Critical Care Mission

Enhance medical evacuation with advanced capability from point of injury through post-surgical, critical care Role 2 → 3 transfers, providing a cohesive team effort that decreases morbidity and mortality.

ONE TEAM ONE MISSION!

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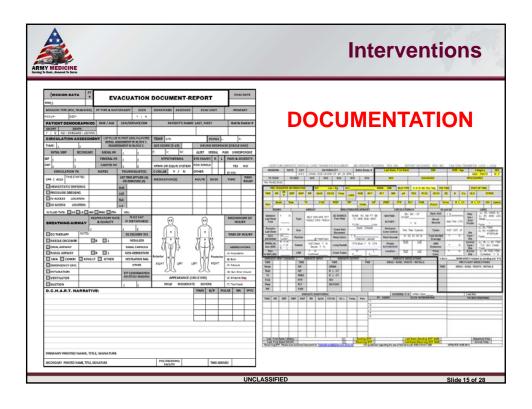


What does ECC bring to the Continuum of Care?

- 1. Team Approach to Patient Care
- 2. Critical Care Knowledge Base
- 3. Teaching and Training
- 4. Theater Level Performance Improvement Initiatives
- 5. Effective Documentation, Data Collection
- 6. Bridge Between Systems

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CCC Investigation: Pre-Hospital Care

En Route Advanced Resuscitative Medicine







Medical Evacuation and Triage of Combat Casualties in Helmand Province, Afghanistan: October 2010-April 2011

LCDR Jonathan E. Clarke. MC USN: Lt Col Peter R. Davis, RAMC MILITARY MEDICINE, 177, 11:1261, 2012

En-Route Care Capability from Point of Injury Impacts Mortality Following Severe Wartime Injury

Jonathan J. Morrison , John Oh, Joseph J. DuBose, David J. O'Reilly, Robert J. Russell , Lorne H. Blackbourne , Mark J. Midwinter , Todd E. Rasmussen

Annals of Surgery Volume 257, Number 2, February 2013

Performance Improvement Evaluation of Forward Aeromedical Evacuation **Platforms in Operation Enduring Freedom**

Amy Apodaca, Chris M. Olson Jr., Jeffrey Bailey, Frank Butler, Brian J. Eastridge, Eric Kuncir Forthcoming Journal of Trauma 2013



Effects

- Number of patients transferred
- Number and type of interventions
- Effect on the system
- Effect on patient outcomes
- Future of the program

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