

A Survey of Current Military Medical Simulation Initiatives

Gil Muniz, PhD
Deputy Director
National Capital Area Medical Simulation Center
Uniformed Services University of the Health Sciences

Military Medical Simulation Survey

- Purpose:
 - Share Survey Findings
 - Identify Common Core Elements

Background: Explosive Growth

- DoD > 50 simulators
- Army > 200 simulators in 25 sites
- Air Force > 100 simulators in 30 sites
- Navy > 80 simulators in 6 sites

NCAMSC: Common Elements

- Senior Leadership Support
 - 1996
 - National Capital Area Medical Simulation Center
- Stated Requirements
 - Alternative ways to teach & evaluate clinical skills
- Funding
 - Initial: \$4.5 million
- Planning/Needs Assessment

NCAMSC: Common Elements

- Resourced Site
 - Facility
 - Staff
 - Equipment
- Curriculum Based Program
SOM SON GME
- Evaluation

US Army Medical Simulation

2 Separate Initiatives

- Medical Simulation Training Center
- Central Simulation Committee

MSTC: Common Elements

- Senior Leadership Support
 - 2004
- Stated Requirements
 - Resourced, standardized training platform
- Funding:
 - Initial \$25 million
- Planning/Needs Assessment FY'05
 - PEO-STRI – DCMT



MSTC: Common Elements

- Resourced Site
 - Facility
 - Staff
 - Equipment
- Curriculum Based Education Program
 - TC3 & CMAST
- Evaluation



CSC: Common Elements

- Senior Leadership Support
 - 2007
- Stated Requirements
 - System wide MS Training Program
- Funding
 - Initial: \$2.9 million
- Planning /Needs Assessment
 - 4/07 Ft Lewis, WA



CSC: Common Elements

- Resourced Site
 - Facility
 - Staff
 - Equipment
- Curriculum Based Education
 - GME, Patient Safety, Re-Deployment
- Evaluation



DHPS: Common Elements

- Senior Leadership Support
 - 2006
 - Distributed Human Patient Simulator
- Stated Requirements
 - System-wide, curriculum based training
- Funding
 - Initial: \$3.2 million
- Planning/Needs Assessment
 - 2007 Contract



DHPS: Common Elements

- Resourced Sites
 - Facility
 - Staff
 - Equipment
- Curriculum Based Education
 - War time
 - Peace time
- Evaluation



CSAC: Common Elements

- Senior Leadership Support
 - 2006
 - Central Simulation Advisory Committee
- Stated Requirements
 - Establish & coordinate MS training program
- Funding
 - Initial: Proposed - \$3 million
- Planning/Needs Assessment
 - April 2007



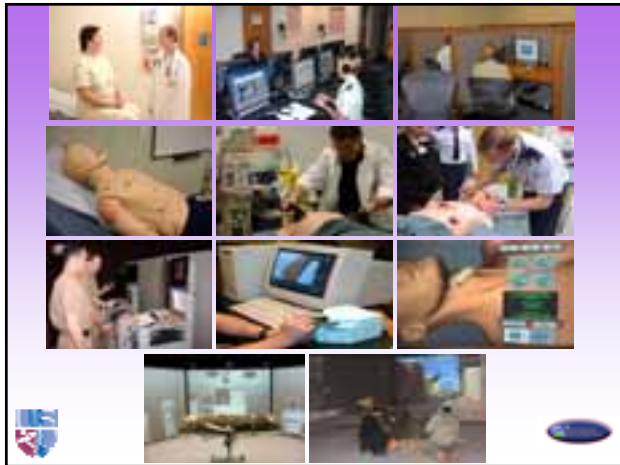
CSAC Common Elements

- Resourced Sites
 - Facility: 6 selected, 2 mobile teams, 1 depot
 - Staff
 - Equipment
- Curriculum Based Education
- Evaluation



<i>Common Elements</i>	NCAMSC	MSTC	CSC	DHPS	CSAC
Sr. Leader Support	x	x	x	x	x
Stated Requirements	x	x	x	x	x
Funding	x	x	x	x	/
Plan./Needs Assessment	x	x	x	x	x
Resourced Sites	x	x	x	x	/
Curriculum Based	x	x	x	x	/
Evaluation	x	x	x	x	/

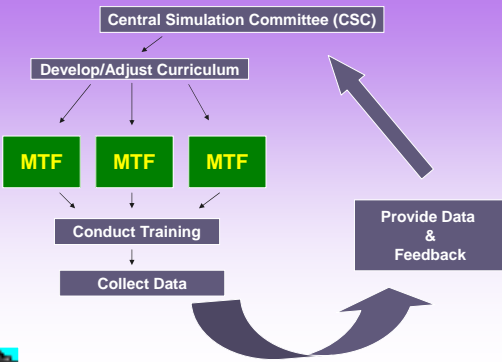




CSC GME Sites & Clinical Specialties

- Madigan AMC
- Tripler AMC
- Wm Beaumont AMC
- Womack AMC
- Walter Reed AMC/USU
- SAUSHEC/Brooke AMC
- Darnell
- Martin/WMACH
- Eisenhower
- Obstetrics & Gynecology
- Internal Medicine
- Emergency Medicine
- Pediatrics
- General Surgery
- Orthopedics
- Family Medicine
- Anesthesia
- Ophthalmology*

CSC Process



DHPS: Level 1 Sites

- 3 University based (CSTARS/CCATT/EMDS* Sites)
St. Louis MO Cincinnati OH Baltimore MD
- USAF School of Aerospace Medicine (USAFSAM) Brooks AFB - San Antonio, TX
- 2 RSVP/GME
Wilford Hall MC - San Antonio, TX
Nat'l Capital Area Medical Simulation Ctr. Silver Spring MD
- Center for Sustainment of Trauma and Readiness Skills
- Critical Care Air Transport Team
- Expeditionary Medical Support

CSTARS BALTIMORE



DHPS: Curriculum Requirements

- Pre Hospital Trauma Life Support
- Combat Casualty Care (TC3)
- Advanced Trauma Life Support (ATLS)
- Expeditionary Medical Systems (EMEDS)
- Emergency War Surgery Course (EWS)
- Readiness Skills Verification Program (RSVP)
- Critical Care Air Transport Team (CCATT)
- Patient Safety (TEAM STEPPS)
- Phase II Nursing Education
- Graduate Medical Education (GME)

Current Navy Medical Simulation



Medical Simulation Training Centers

Fort Bliss
Fort Carson
Eighth Army
Camp Shelby
Fort Stewart
Fort McCoy
Schofield
Fort Dix

Fort Bragg
Fort Drum
Fort Hood
Fort Lewis
Vilseck (USAREUR)
Balad/MTT
Kuwait
Fort Wainwright
Fort Riley

CSAC: Proposed Simulation Efforts

