The Camp Bullis WAVE Program

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Overview

- History and Growth of the Camp Bullis WAVE Program
- Scenarios
- Pre-briefing
- Debriefing
- Curriculum Integration
- The Future

History

- Technology and concepts developed by the experts at the Uniformed Services University, Val G. Hemming Simulation Center
- US Air Force acquired prototype with the intent to build a training program around it
- Prototype installed at the Medical Readiness Training Center (MRTC) at Camp Bullis in January 2012
- First scenario conducted in May 2012...6 students

Growth

- Started supporting the Expeditionary Medical Support (EMEDS) course in June 2012
- By January 2013, support extended to all courses taught at the MRTC
  - Expeditionary Medical Readiness Course (EMRC)
  - Aeromedical Evacuation Patient Staging Course (AEPSC)
  - Patient Decontamination Course (DECON)

Growth

- Encounter and student numbers continue to grow
  - 6 students/1 scenario in May 2012
  - 40 students/10 iterations of the scenario in August 2012
  - 378 students/47 iterations of the scenario in March 2013
  - 451 students/56 iterations of the scenario in April 2013
  - Our record to date is 164 students/16 iterations of the scenario in one day, January 2014

Scenarios
**Scenarios**

**Tactical Combat Casualty Care**
- Supporting EMEDS, EMRC, AEPSC courses

**Scenarios**

**Tent City**
- Supporting DECON course

**Scenarios**

**Expeditionary Emergency Room**
- Supporting the EMEDS and AEPSC courses

**Scenarios**

**In-flight Emergency**
- Supporting EMEDS course

**Pre-Briefing**

- Outline the objectives of the scenario
- The virtual environment

**Pre-briefing**

- The physical environment
Pre-briefing

- Gear and supplies

Debriefing

- Review students’ performance based on objectives
- Encourage discussion vs. one-way conversation
- Reinforce action vs. inaction
- Close on a positive note

Curriculum Integration

- Marketing the platform to instructor staff/faculty
- Obtain learning objectives for the course
- Tailor scenarios to achieve learning objectives
- Make adjustments from lessons learned and maintain relevance
- Make the new training platform official by adding it into the curriculum

The Future

- Enhancing The Physical Environment
  - Adding Props, i.e., patient simulators, statics, live actors
  - Obstacles, i.e., breach operations
  - Adding capability of physical stimuli, i.e., being shot
  - Enhancing smell dispersal and smoke

- Enhancing The Virtual Environment
  - Improve interaction with the virtual images
  - Enhance the gaming experience

The Future

- Validation Study
  - Period of Performance begins Aug 2013
  - Assessment Period is 12 months
  - Measuring Objective and Subjective metrics
  - Combat Patient Care Scenario

- Increasing Student and Course Participation
  - Solicit participation of Air Force medical courses other than ones offered by the MRTC
  - Explore Joint Training; begin with the C4 Program
Questions