Incorporating New Technology to Your Emergency Management

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Empowering teams through technology

Objective:
Describe and incorporate two unique training tools into your program

About Us
Pediatric Surge
Preparedness
SurgeWorld & Incident Command
Using The Tools

Agenda
Children’s Hospital Los Angeles

- Founded 1901
- 365 Active Beds
- More than 5,200 employees and 772 Medical Staff
- 14,600 inpatient admissions
- ~72,000 ED Visits
- $77.4 million in research funding

www.CHLA.org

Pomona Valley Hospital Medical Center

**Expert care with a personal touch**

- Founded 1903
- 453 Active Beds
- More than 2,400+ employees
- 800+ Medical Staff, 1000+ volunteers
- 20,000 inpatient admissions
- ~90,000+ ED Visits
- Trauma Center designation effective Oct. 2016

www.pvhmc.org
Los Angeles County
Emergency Medical Services Agency

- Lead agency for emergency medical services system for Los Angeles County
  Disaster section
- Assists and coordinates healthcare coalition partners
- Planning, response, recovery

http://tinyurl.com/LACoDisasterMedicalServices

Pediatric Surge Preparedness
### Los Angeles County Hospital Preparedness Program — Pediatrics Efforts to Date

- Los Angeles County Pediatric Surge Plan and Exercise 2011-2015
- SurgeWorld — web-based training tool — JumpSTART and START triage and Logistics
- Incident Command — app-based tool to support leadership engagement in emergency management and areas of concern related to children
- Improving Preparedness for Children with Special Needs (Access and Functional Needs)

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### Surge Capacity

Meet increased demand for qualified personnel, medical care, public health

Expand rapidly beyond normal service

Source: Agency for Healthcare Research and Quality (AHRQ)
4 “S” of Surge Capacity

**Space**
- Pre-identified areas
- Increase room occupancy
- Non-traditional sites of care

**Staff**
- Availability
- Qualified
- Educated & trained
- Supported

**Stuff**
- Demographics knowledge
- Awareness of supplies & equipment
- Pre-positioned

**Structure**
- Coordinated with outside agencies
- Internal coordination (HICS)
- System infrastructure & communication


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**Disaster Triage Methods**

- **START** – Newport Beach Fire Dept., California
- **JumpSTART** – Lou Romig © - Florida
- **Sort Assess Lifesaving Interventions Treatment and Transport (SALT)** Mass Casualty Triage Algorithm
- **Canadian Triage and Acuity Scale (CTAS)**
- **SMART Triage System** (TSG Associates LLP; Halifax, England)
Surging for Children

How we support hospitals to care for children

Reference tools, consultation, telemedicine
- Focus on building everyday practice
- Pediatric Surge Quad Fold
- Children with Access and Functional Needs

Pre-training and just-in-time training
- Over 500 clinicians trained as part of Pediatric Surge Plan development

Innovative training
- SurgeWorld
- Incident Command

SurgeWorld
SurgeWorld

- Fun, approachable
- Core gaming concepts
- Gamers and non-gamers
- Adaptable level of challenge
- Data tracking
  - Ability to track usage by user type and area
  - Determine training competencies/needs

Metrics tracked:
- Hospital
- Role
- Time played
- Modules tried
- Modules completed
SurgeWorld –
Mini Demo

http://surgeworld.lachildrenshospital.net/

Incident Command
Incident Command

- Leadership
- Communication
- Decisionmaking
- Teamwork

Incident Command – Playing the Game

Logistics Section Chief  Operations Section Chief  Incident Commander  Planning Section Chief  Safety Officer
How do I use these at my facility?

**USING THE TOOLS**

SurgeWorld

- Incorporate
- Competition and Awards
- Pre-training

**USING THE TOOLS**

Incident Command

- Newbies to HICS
- Incorporate to TableTop
- Competition and Awards
Questions?

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Stay and Play!

THANK YOU