Clinical Simulation Learning
For Stroke Teams
Kaiser South San Francisco Patient Care Services

Josephine Reyes, RN, MSN
Director Clinical Education, Practice, Informatics & Simulation Learning Center
Our South San Francisco KP Journey
Learning and Simulation

- Why Simulation-Based Learning
- Simulation Background at Kaiser Permanente
- Critical Events Team Training
- South San Francisco Stroke Program
- Simulation - Interactive and Fun Learning
“Amplifies real experiences with guided ones to evoke or replicate substantial aspects of the real world interactions”

- Lateef, 2010

Journal of Emergency Trauma Shock
Simulation Background at KP

Simulation Background at Kaiser Permanente

- Initiated for South San Francisco, 2007 with NCAL Regional Training
- SSF Education Department developed Critical Events Team Training CORE team
- Stroke care was one of the first case scenarios for simulation
- Many simulations prior to going “live” with Stroke Program
Critical Events Team Training

Teamwork and Communication

- Introduced concept of “safe learning” for error reduction
- Opportunities to apply clinical skills, teamwork, & communication skills in “real-time”
- Team consisted of nursing educators, nursing managers, frontline nursing staff, respiratory therapy, ancillary staff, and providers
- Use of high-fidelity manikins and other technology
- Gives opportunity for teams to “demonstrate” safe patient care
- Debriefing by finding strengths and identifying “opportunities” for improvements
SSF Stroke Program

- SSF program initiated in 2007
- Teams were “new” and department processes have not been operational — (i.e. Stroke Alert team)
- Simulation was essential to “test” out workflows/systems under assumptions
- Many learnings/lessons shared
- Processes redefined with input from all
Stroke Program - Simulations

- Emergency Department patient “stroke alert”
- Stroke alert for inpatients – difference between ED and Inpatient
- Evaluation of department processes (i.e. Lab/Radiology/Operators)
- Frontline clinical providers, team communication, escalation process
- Interdepartmental systems – how did they work in relation to written process
- New clinical assessments (i.e. mNIHSS)
- Unique situations - neurosurgical patients
- KPHC documentation essentials
- Debriefing strengths of Stroke program and identification of areas of growth opportunities
# During Simulation

**Interactive and Fun Learning**

<table>
<thead>
<tr>
<th>Communication</th>
<th>Systems/Procedure-Skills</th>
<th>Teamwork</th>
</tr>
</thead>
<tbody>
<tr>
<td>Practicing SBAR</td>
<td>Stroke Team roles</td>
<td>Who is the leader</td>
</tr>
<tr>
<td>Calling out orders</td>
<td>Which system needs further evaluation</td>
<td>Supportive teams</td>
</tr>
<tr>
<td>Handling stress</td>
<td>Skill development</td>
<td>Role during a crisis</td>
</tr>
<tr>
<td>Stroke Alerts</td>
<td>Timing of interventions</td>
<td>Recognizing contributions</td>
</tr>
<tr>
<td>Chaotic or Calm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Practicing SBAR
- Calling out orders
- Handling stress
- Stroke Alerts
- Chaotic or Calm
- Stroke Team roles
- Which system needs further evaluation
- Skill development
- Timing of interventions
- Who is the leader
- Supportive teams
- Role during a crisis
- Recognizing contributions
2011 Number of Simulation Events Since Sim Lab Opening

- Aug-11: 1 event
- Sep-11: 5 events
- Oct-11: 6 events
- Nov-11: 2 events
2012 Number Of Simulation Events By Month

Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12

0 1 2 3 4 5 6 7 8

Series1
Welcome

The Kaiser Permanente National Healthcare Simulation Collaborative was initiated to organize efforts to provide all eight KP regions with robust simulation programs in a variety of areas in order to reduce adverse events. The vision for our program is to promote learning and practice using simulation-based education to improve safety and to create highly reliable teams.

National Simulation Collaborative activities include monthly teleconferences, quarterly project manager phone meetings, annual simulation conferences, simulation equipment training, multidisciplinary critical events team training as well as standardized, simulation-based programs, on-line tool kits and resources, scenario development and a national on-line learning management system.

Events

2013 APIC Conference endearing materials - videos

Magic In Teaching Conference
Irvine, CA, Nov 12 - 14, 2013

International Meeting for Simulation in Healthcare 2014 Conference
San Francisco, Jan 26-28, 2014

Featured Courses

CENTRAL VENOUS CATHETERIZATION
LEARNING LUMBAR PUNCTURE
MAS STAR TRAIN THE TRAINER PROGRAM
PARACENTESIS
STANDARDIZED SKILL AND TEAM-BASED TRAINING FOR VACUUM, SHOULDER DYSTOCIA, AND EFH DRILLS
THORACENTESIS

Recent News

Oakland Medical Center Patient Safety Simulation Training Center
San Jose Center for Advanced Research and Education
Walnut Creek Simulation Center
South Sacramento Simulation Center
Santa Rosa Simulation Center
San Rafael Simulation Center
Sacramento Simulation Center
KRON News Story on the Article Archive
“Simulation, therefore has an immense capacity to become an integral part of the drive to build a safer healthcare system for patients everywhere”

Sharing Proud Moments
Photo Slideshow
References


- Kaiser Permanente Medical Center Simulation Based Education Program. Available at: [http://kp.simmedical.com/](http://kp.simmedical.com/)