

The California Simulation Alliance: An Academic/Service Partnership

Magic in Teaching
San Francisco

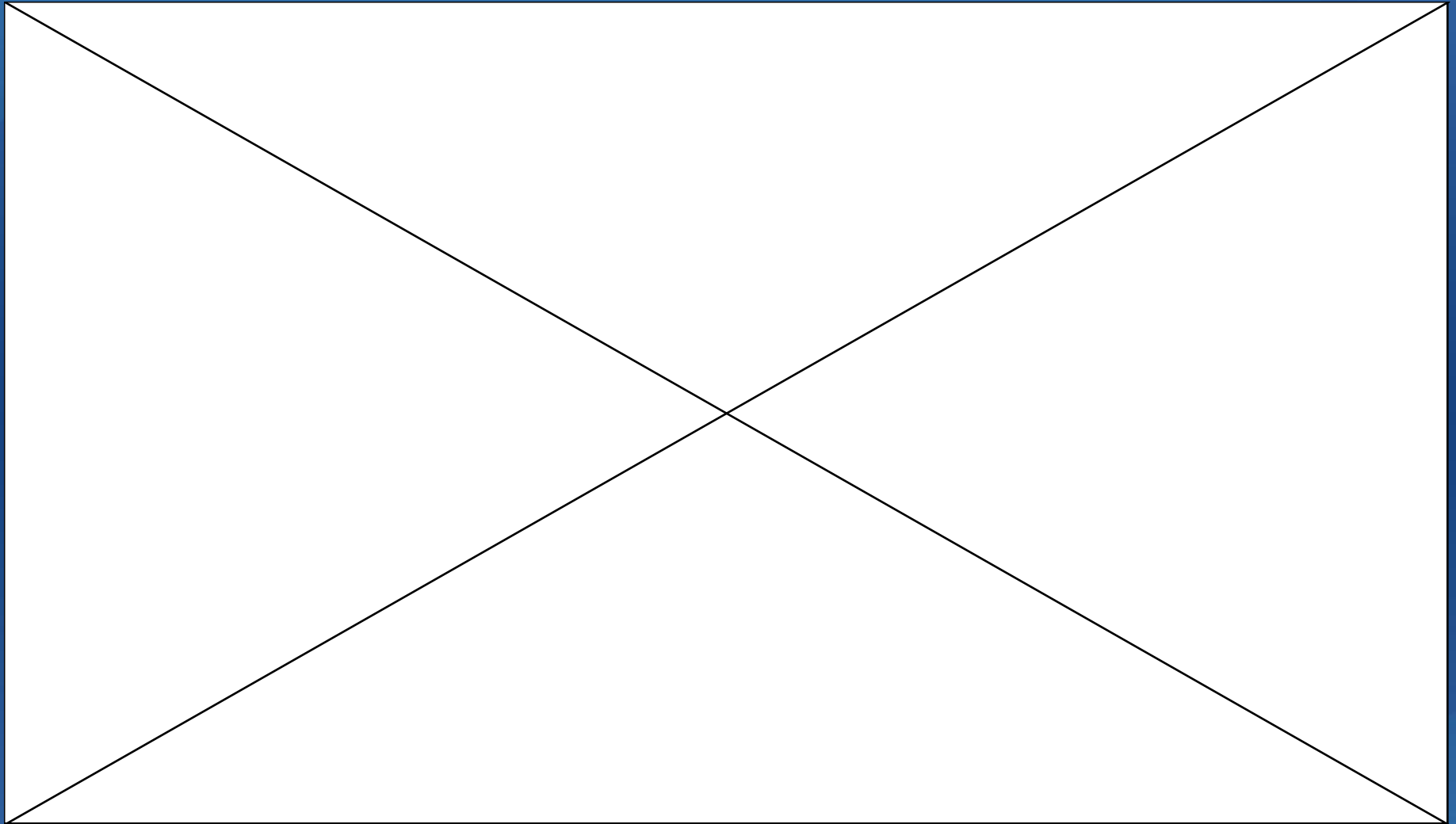
October 19-20, 2010

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California Institute for Nursing & Health Care



Video





Nursing Education Redesign for California





What is simulation?





Simulation Defined

A technique that uses a situation or environment created to allow persons to experience a representation of a real event for the purpose of practice, learning, evaluation, testing, or to gain understanding of systems or human actions

- SSIH



Simulation Program

A formal workshop, course, class, or other activity that uses a substantial component of simulation as a technique

- SSIH





Simulation Fidelity

The physical, contextual, and emotional realism that allows persons to experience a simulation as if they were operating in an actual healthcare activity

- SSIH



Simulation vs. Simulator

Simulation is used as a strategy, not a technology. To mirror, anticipate, or amplify real situations with guided experiences in a fully interactive way

- **Simulators** are types of equipment that replicate a task environment with sufficient realism to serve a desired purpose
 - www.ahrq.gov

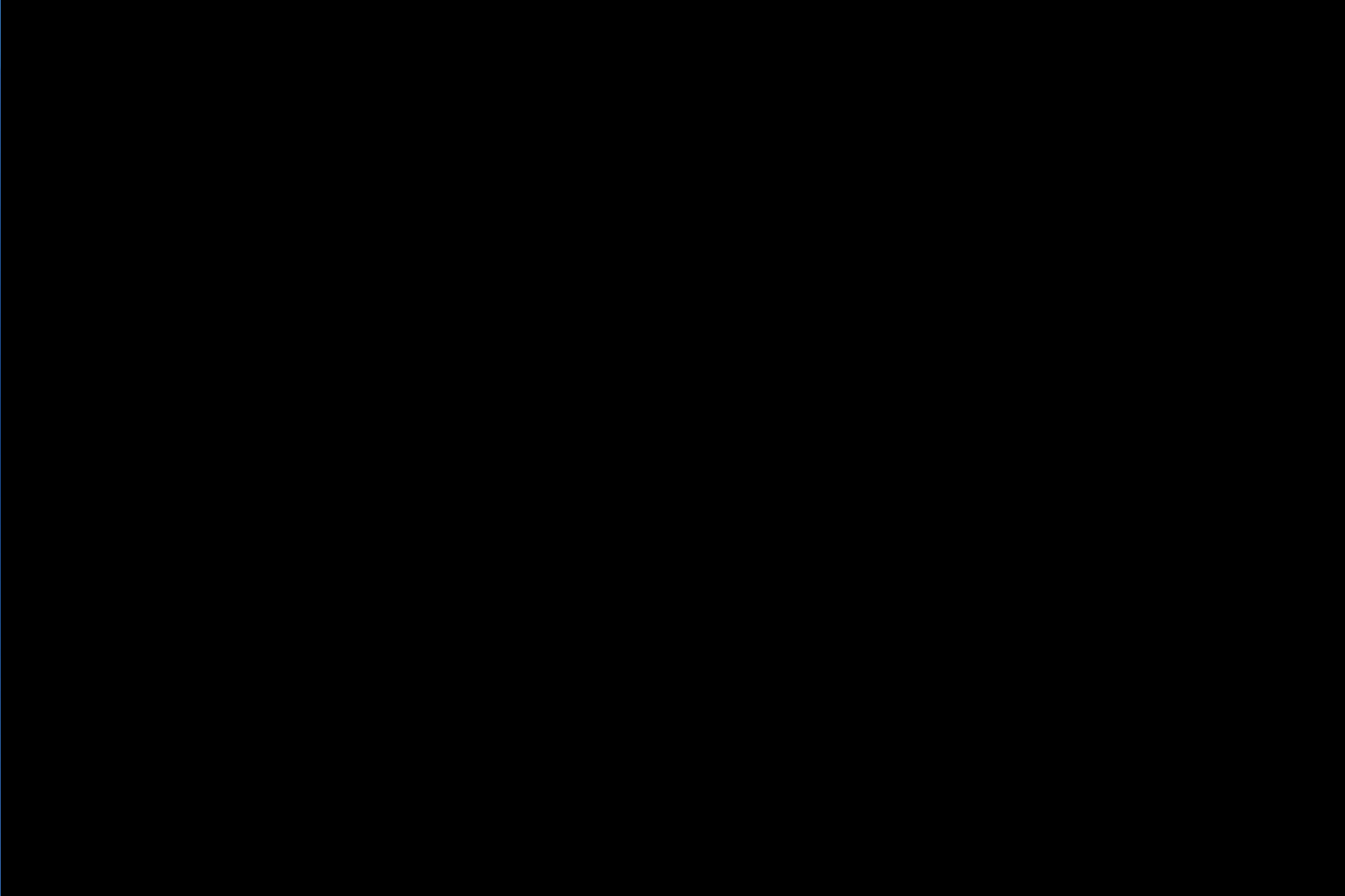


Types of Simulation

- Task Trainers
- Standardized patients
- Computer simulations
 - Virtual Reality
- Mid level simulators
- High fidelity simulators
- Avatars (ie; second life)



Video





Patient Safety

- It's all about the patient!
- Our goals are safe, quality, cost-effective, right?
- Simulation training can help



Quality and Safety Education for Nurses (www.qsen.org)

Patient-Centered Care

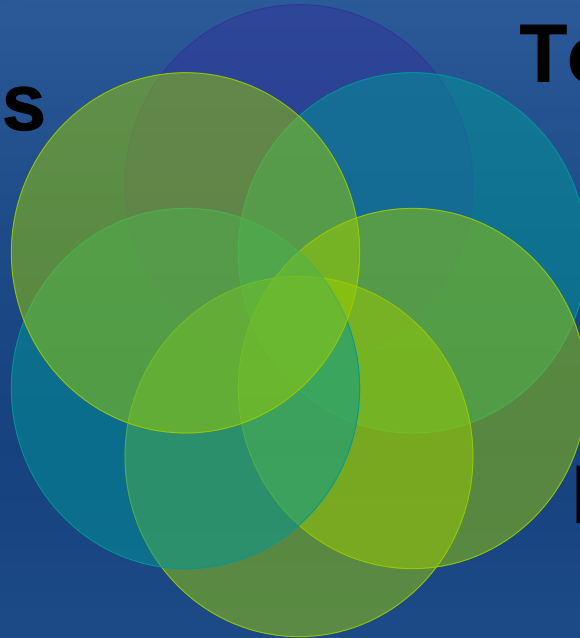
Informatics

**Teamwork &
Collaboration**

Safety

**Evidence-Based
Practice**

Quality Improvement





Purpose of Simulation

- Education
- Training
- Assessment
- Research
- Students and Staff development
- To help hospitals comply with the national patient safety goals!!



**It is not about the technology;
it's about the methodology!**

Saturday, November 10, 2007

BAY AREA NRC.ORG

The Bay Area Nursing Resource Center



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The Bay Area Nursing Resource Center provides three centralized, nursing education services for schools of nursing and clinical agencies within the nine-county San Francisco Bay Area, the goal of which is to significantly improve the quality of nursing care in the Bay Area. The Centralized Clinical Placement System is in use by over 30 [schools of nursing](#) (private, public, and vocational) and over 55 [hospitals](#). CCPS streamlines the nursing student clinical placements process, with the long-term effects of increasing student capacity at local schools. The Centralized Faculty Resource Center, released at www.ITeachNursing.org in 2006, will improve the utilization of existing and new clinical faculty, increasing the student capacity at nursing schools

Bay Area Simulation Collaborative

(BASC) - The Bay Area Simulation Collaborative is comprised of representatives from schools of nursing and hospitals in the nine Bay Area counties. The CINHC provides leadership for the BASC. Faculty development, scenario development and evaluation are components of the simulation project funded by the GBMF.

Centralized Clinical Placement System

Centralized Faculty Resource Center

Bay Area Simulation Collaborative



BASC Project

- Funded by the Gordon and Betty Moore Foundation in 2007
- Faculty development
 - Training/Conferences
- Scenario development
 - Writing/Validation/Testing
- Evaluation/Research

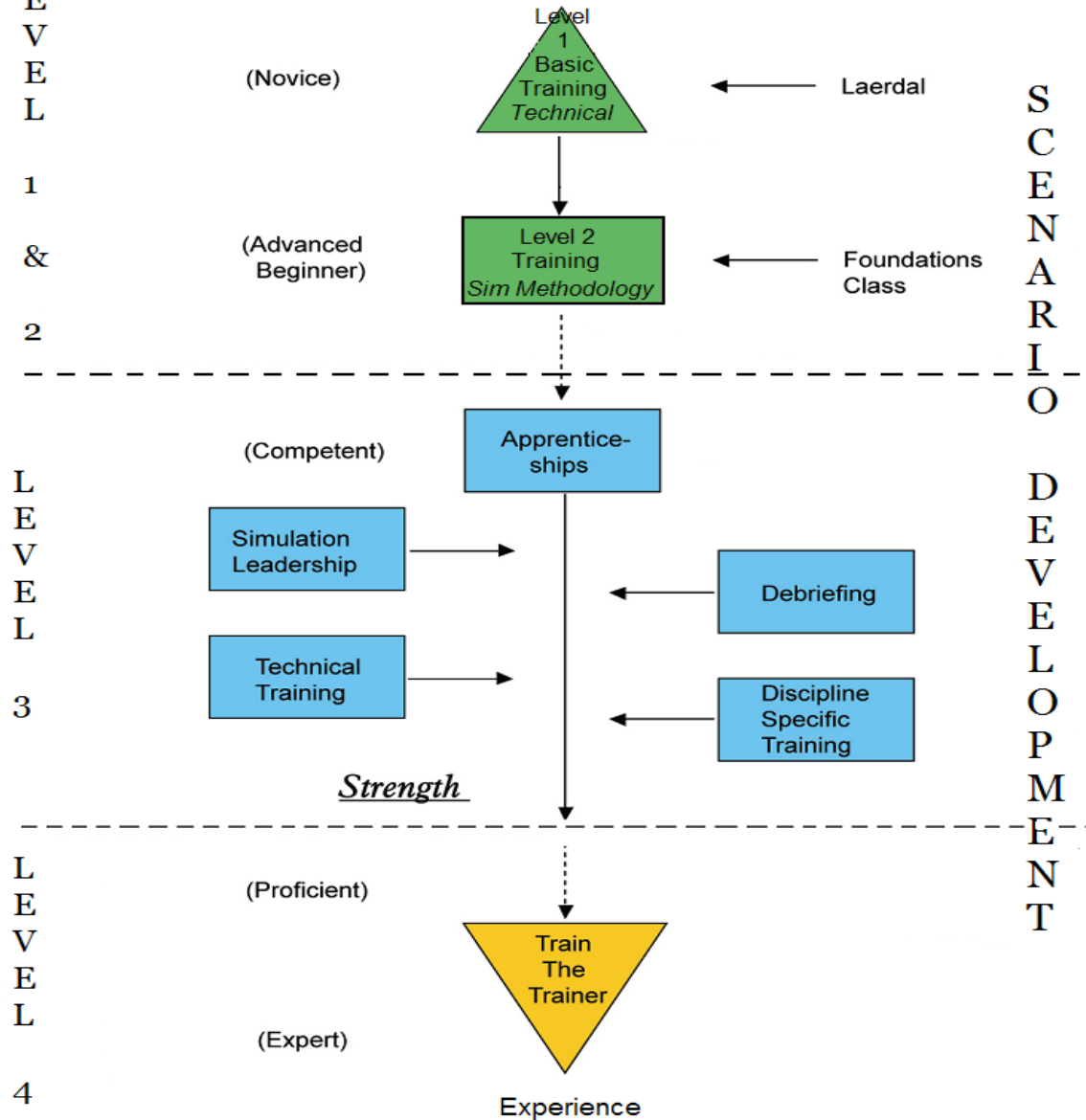


Faculty Development is Critical!



Faculty Development Plan Bay Area Simulation Collaborative 2007 - 2009

Novice to Expert Simulation Training



Total Trained

Level 1: 250+

Level 2: 150+

Level 3: 150+

Apprentices: 6 + 3

Instructors: 15



Scenario Development

- 52 scenarios written
- Validation process developed
- Testing process developed
- Ready for sharing
 - See website for list





**The Simulation
Industry is
Transparent...**

Sharing is commonplace



The Science of Simulation

- Many studies completed
 - Satisfaction
 - Confidence
 - Retention
- Need for further studies
- Evaluative studies are needed
- Cost effectiveness
- Are skills learned in simulation transferred to the clinical setting?
- Does simulation make a difference?



Current Research

- CINHC/BASC led a study completed in March, 2010
- Does high fidelity simulation increase critical thinking skills of nursing students in pre-licensure programs?
- 5 schools (2 BSN, 3 ADN)
- Used the HSRT tool by Facione



THE SOUTHERN CALIFORNIA PROJECT



The Southern California Project

- Funded by Southern California Kaiser Permanente Community Benefits Program
- Replicate the work of the BASC in the LA region
- Training began in August 2009 and runs through December, 2010
- Apprentice program will begin in 2010/2011
- Site assessments conducted to determine potential regional center sites



Moving toward a statewide focus



THE CALIFORNIA SIMULATION ALLIANCE (CSA)



The California Simulation Alliance

- CINHC leads the CSA
- Key stakeholders include: BRN, EDD, Chancellor's office, RHORC, CHA, HCNCC and others
- Purpose of CSA is to become a cohesive voice for simulation in California
- Goal is to create a common language for simulation in both schools/hospitals and healthcare organizations
- Through the CINHC Web site (www.cinhc.org), the CSA has several Web pages



The California Simulation Alliance

- A statewide “list serve” is being developed by the CINHC
- Bi-Monthly newsletters
- List of simulation coordinators
- A comprehensive simulation survey was sent to schools and hospitals
- Committees have been formed



Regional Collaboratives in California

- Rural Northern CA: **RNASC** (some funding)
- Sacramento: **CASC**
- Bay Area: **BASC** (funded)
- Central Valley: **CVSC**
- Southern California: **SCSC** (funded)
- Inland Empire: **(IESC)**
- San Diego: **SDSC** (some funding)

**Rural Northern Area
Simulation Collaborative
(RNASC)**

**Capital Area Simulation Collaborative
(CASC)**

**Bay Area Simulation
Collaborative (BASC)**

**Central Valley Simulation
Collaborative (CVSC)**

**Inland Empire Simulation
Collaborative (IESC)**

**Southern California Simulation
Collaborative (SCSC)**

California

Simulation

Alliance Regional

Collaboratives

**San Diego Simulation
Collaborative (SDSC)**



Regional Collaborative Contacts

- RNASC: Becky Damazo
- CASC: Brenda-Hanson Smith, Deb Brady, Michael Tijerina
- BASC: KT Waxman, Colleen O'Leary-Kelley, Marjorie Miller
- CVSC: Marie Gilbert & Leslie Catron
- SCSC: Carolyn Orłowski, Barb Doyer, Heidi Traxel
- IESC: Janice Palaganas, Terry Larsen
- SDSC: Deb Bennett, Karen Macauley, Ramona Domen, Maria-Jean Murphy



CSA Committees

- Research
 - Chair: Amy Nichols
- Scenario development
 - Chairs: Brenda Hanson-Smith / Colleen O'Leary-Kelley
- Scholarly writing
 - Chairs: KT Waxman / Leslie Catron
- Technology
 - Chairs: Teri Lind / Becky Damazo



Next Steps

- Continue to support regions
- Continue to provide classes statewide
- Pursue funding
- Beginning in 2011, will charge a membership fee
 - Individuals and organizations
 - Benefits include:
 - Access to pricing agreements
 - Scenarios
 - Discounts for classes
 - Access to simulation coordinators



Lessons Learned/Next Steps

- Methodology vs. technology!
- Perseverance
- There is available funding: write grants
- Education/service partnerships are critical to the success
- Focus on patient safety
- Faculty buy in is key
 - Focus on early adopters





The Challenge!

- Be leaders in your hospital or school in transforming nursing education utilizing simulation as a teaching methodology
- Become part of the national movement with utilizing simulation
- The rest of the country is watching us!
- Foster relationships with academic/service partners



For Further Information

- KT Waxman: kt@cinhc.org
- CINHC: www.cinhc.org
- BASC: www.bayareanrc.org/rsc