Working Together to Provide Greater Interprofessional Opportunities for Education & Research in a Simulation Environment
Speakers

Carolyn Yucha, RN, PhD, FAAN, CNE
Dean, School of Nursing, UNLV

Jessica Doolen, APRN, PhD, CNE
Assistant Professor, School of Nursing, UNLV

Neal Rosenberg, RN, PhD
Dean, School of Nursing, Nevada State College
1. Overview & Introduction to the Clinical Simulation Center of Las Vegas (CSCLV)
2. Inter-professional Education & Research
3. Standardized Patients Program
4. Continuity in the face of Changing Leadership
Collaborative venture among UNLV & NSC Schools of Nursing & UN School of Medicine

Multi-disciplinary & multi-institutional

31,000 square feet

Serving educational needs of 500 nursing students & 100 medical students & residents each year.
Las Vegas
Google Calendar: Free & Expandable
Cost Sharing 2009

UNLV SON
40%

CSCLV

UN SOM
20%

NSC SON
40%
Cost Sharing 2014

UNLV SON 35%

CSCLV

UN SOM 30%

NSC SON 35%
<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Administrative Salaries/Benefits</td>
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<tr>
<td>Operational Director</td>
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<tr>
<td>Educational Director (.5)</td>
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<tr>
<td>Administrative Assistant</td>
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<td>215,680</td>
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<td>Staff Salaries/Benefits</td>
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<td>IT System Administrator</td>
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<tr>
<td>Simulation/Skills Coordinator</td>
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<tr>
<td>IT Technician (2)</td>
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<td></td>
<td>275,200</td>
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<td>Student Wages</td>
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<tr>
<td>General Operations / Travel</td>
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<tr>
<td>Technology/Equipment Replacement</td>
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<td>TOTAL</td>
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Staff

Operational Director
Educational Director
4 staff
Student Workers
Volunteers
Advisory Committee: Deans from UNLV, NSC, & UNSOM

Educational Director
- Community
  - Simulation Operations (Sim Ops) Committee
- Faculty

Operational Director
- Volunteers
- Student Workers
  - Simulation/Skills Coordinator
  - SP Program Coordinator
  - IT Technicians
  - SP Trainer
Operational Director: Ms. Jackie Kinsey
- Provides supervisory, administrative, & operations services to the CSCLV & its users. Responsibilities include management of the budget, scheduling, personnel, & external events & ensuring that financial information is accurate & reliable, & the center complies with applicable laws, regulations, policies, & procedures.

Educational Director: Dr. Jessica Doolen
- Serves as an overall educational leader of the CSCLV. Ensures that the 3 institutions use the center to optimize educational programming. This includes developing faculty & staff training programs, promoting inter-professional education, facilitating research projects, & strategic planning.

Advisory Committee: Deans
- Serves as the oversight body for the center. The committee meets monthly to address educational & operational issues.
IT Systems Administrator: Mr. Jonathan Sturak
- Identifies, implements, manages & supports all IT, AV, teleconference, computerized human patient simulator, computerized training devices infrastructure, interfaces & operations.

Simulation/Skills Coordinator: Ms. Rowena Saba
- Primary responsibility for immersive patient care management simulation scenario operations & clinical skills operations.

Standardized Patient Coordinator: Ms. Gigi Guizado de Nathan
- Hires & trains standardized patients & coordinates all events using standardized patients.
Staff

IT Technicians: Mr. Richard Dantes & Gamini Samarawickrama
Support network operations as well as hardware, software, & A/V coordination & support. & serves as a backup for high fidelity simulation & skills training for all learners & external contracts.

Administrative Assistant: Ms. Christine Padilla
- Assists director with scheduling, parking passes, purchasing, account management.

Surgical Skills Coordinator: Mr. Adnan Mohsin
- Responsible for implementing & assisting instruction of surgical residents & third year medical students for the Department of Surgery.
Cooperation

To move forward in one direction
Inter-Professional Education (IPE) & Research at the CSCLV

Dr. Jessica Doolen
Objectives

- IPE faculty training in simulation based learning
- IPE research trajectory
- Funding for IPE research
Inter-Professional Education

- Mandates
  - Institute of Medicine (IOM)
  - World Health Organization
  - Patient Safety Organizations
  - Medicine & Nursing

- Multi-institutional Collaborative Simulation Center
3 Schools & a Building
Standardized IPE Simulation Training

- Consultants
- Three schools invited for a 3-day initial immersive workshop.
- Groups of 6 IPE faculty (medicine & 2 schools of nursing)
  - Didactic
  - Active
Didactic

- Trained in collaborative groups
- Closing the performance gap
- Immersive patient care management
- Scenario writing steps/implementation
- Facilitation methodology/implementation
- Scenario debrief techniques & implementation
Brain Trust
- Conference calls once a week for 6 weeks
- Advanced training
- Debriefing
- Facilitating
SBL Workshops

- Well received
  - Workshops every semester
- IPE immersive
- Patient simulation
- No charge
Cases are written by IPE faculty for high fidelity simulation & SP cases

Approved by the Simulation Operations committee (one representative from each school)
TeamSTEPPS

Nevada State College
UNLV
University Medical Center ICU Nurses
UNR School of Medicine
Research Funding

- UNLV School of Nursing
  - Designated $5000
- School of Medicine
  - Obtained $5000 from its Institutional Network of Biomedical Research Excellence
  - Both required other disciplines be included as Co-PIs
Spring 2010

Measurement of acquisition of crisis resource management skills using simulated emergency codes
Collaborative Mock Codes

Does interdisciplinary code simulation, using Crisis Resource Management guided debriefing, change a) resident & b) nursing student perceptions about team performance?

- Results positive
- Led to IPE mock codes
Simulating Teamwork & Observation for Procedural Safety

- 2 year observational pilot study
- UNLV SON & UNSOM IM residents
- Results positive
Future

- Continued IPE research
- Continued IPE simulation based learning workshops
- IPE environment
SP Program

Standardized Patients Providing Clinical Opportunities for Learners across the Continuum

Dr. Jessica Doolen
SP Program

Housed in the 12 room SP hall
Provides both formative assessment & summative evaluation for medical students, residents & nursing students – undergraduate & graduate.
SP Program

Initially developed by UNSOM.

Clinical Reasoning in Medicine (CRIM) course - a high-stakes examination for 3rd year medical students initially.

SPs are incorporated into an informed consent exercise for UNSOM residents & for a variety of remediation activities.
UNLV SON faculty incorporated SP in FNP program.

Worked with UNSOM faculty to extend their established SP program

Initially, optional pilot program for 4 local NP students - then expanded.

FNP students - have high-stakes exams at end of each clinical course. This allows faculty to evaluate students more fairly as they see the same types of patients.
SP Program

Faculty teaching UNLV BSN psychiatric course.

SPs as part of clinical orientation to psychiatric nursing in a formative educational experience.
Cases focus on manic depression, PTSD, Bi-polar disorder, anxiety, & paranoid schizophrenia were developed & implemented.
SP Program

With experiences in a safe environment, students feel more comfortable in psychiatric settings.

Now expanding this program to NSC BSN psychiatric course.
As the SP program expands, other demands for SP learning events increase.

Used in an IPE activity demonstrating the challenges of managing geriatric patients.

Recently incorporated into a multiple mini-interview program as part of the application process to medical school.

The potential for this program is limitless; funding constraints impose boundaries.
Continuity in the Face of Changing Leadership

Dr. Neal Rosenberg
- Trust
- Building bigger dreams
- Insert Neal’s slides