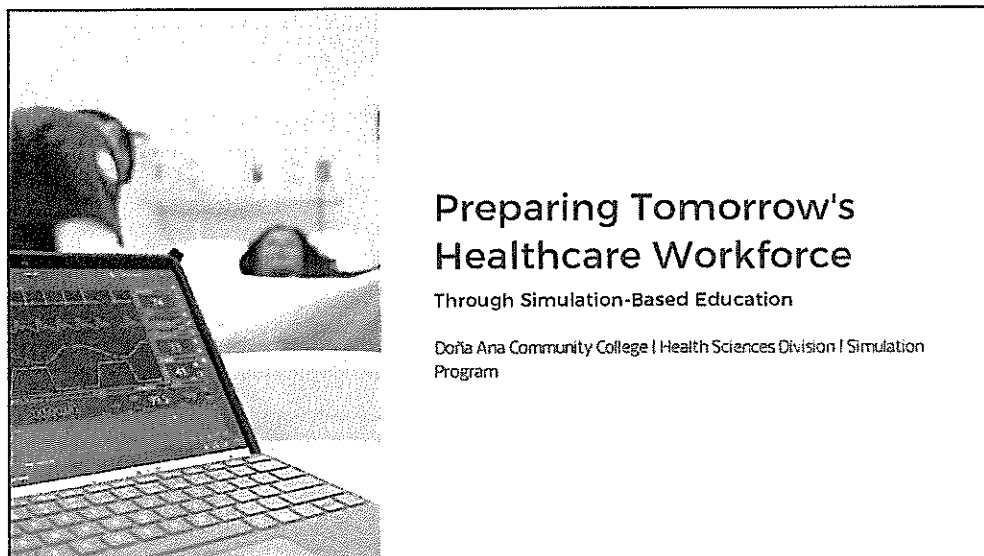




Preparing Tomorrow's Healthcare Workforce

Through Simulation-Based Education

Doña Ana Community College | Health Sciences Division | Simulation
Program

1

Thank you for your time!

Welcome

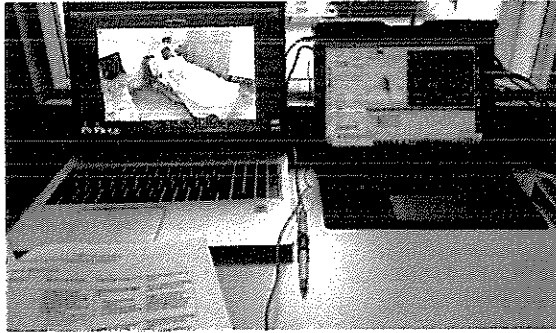
Today's presentation will walk you through DACC's simulation program - from the evidence behind the method to the outcomes we're achieving right here in southern New Mexico.

01	02
Our Origin Story	What Healthcare Simulation Is
03	04
Why It Works -- and What the Evidence Shows	DACC's Program Data and Outcomes
05	06
Our National Recognition	The Future of Simulation at DACC
07	
Q & A	

2

Our Origin Story

A humble beginning – one manikin, instructors seated bedside, and an iPad propped up to record. That was the foundation of what would become New Mexico's first INACSL -endorsed simulation program.



One Manikin

We began with a single high-fidelity manikin and a vision for what simulation could be.

Instructors at the Bedside

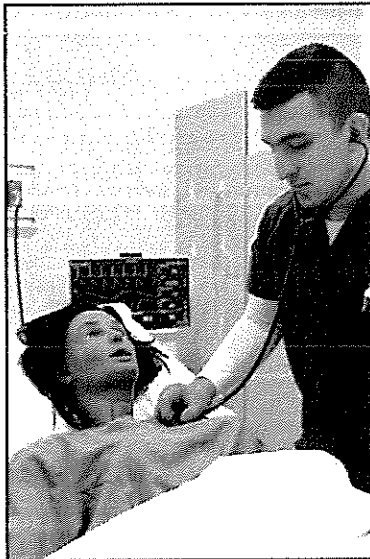
Faculty sat beside the manikin, guiding students through scenarios hands-on, fully present in the moment.

Recording on an iPad

Without a dedicated recording system, we propped up an iPad to capture debriefs and student performance.

"From one manikin and an iPad - to a nationally recognized program."

3



What Is Healthcare Simulation?

Students practice realistic clinical scenarios in a controlled environment - before ever caring for real patients. Think of it as a **flight simulator for healthcare**.

Clinical Judgment

Students learn to recognize and respond to changing patient conditions in real time.

Teamwork & Communication

Interdisciplinary teams practice coordination, delegation, and professional medical reporting.

Safe Medication Practice

Students administer medications correctly in a zero-risk environment before entering clinical.

4

See It In Action



DACC Health Sciences | Interdisciplinary Cardiac Scenario

Watch for: **teamwork, clinical decision-making, communication, and hands-on skills** - all demonstrated by DACC students navigating a high-stakes cardiac emergency scenario together.

5

Why Simulation Works

Strengthens Clinical Knowledge

Students apply classroom learning to realistic patient scenarios, reinforcing pathophysiology, pharmacology, and clinical protocols.

Builds Confidence Before Clinical Placement

Students practice high-risk situations in a safe environment - reducing anxiety and improving readiness for real patient care.

Improves Communication & Teamwork

Scenarios require SBAR reporting, role clarity, and interdisciplinary coordination - skills that directly impact patient safety.

Bridges Classroom to Bedside

Simulation closes the gap between theory and practice, preparing students to make sound clinical decisions from day one.

6

Program Scale

DACC Simulation: By the Numbers

30-40

Sessions Per Term

Simulation sessions conducted each academic term

180+

Students Per Term

Students actively participating in simulation each term

180+

Total Sessions

Cumulative simulation sessions from SP24 through SP26

24+

Interprofessional Sims

Interdisciplinary simulation experiences per year

Delivered across **Levels 1-4** - combining **live and virtual simulation** experiences throughout the Health Sciences curriculum.

7

Outcomes Data | SP24-SP26

What Our Data Shows

NURS 1125 — Medical-Surgical 1

Hand Hygiene	100%
Core Clinical Skills	100%
Patient Education	100%
Medication Administration	98%
Overall Performance	95%+

NURS 2225 — Medical-Surgical 2

Clinical Teamwork	100%
Nitroglycerin Administration	100%
Emergency Interventions	97-98%
SBAR Communication	91.7%
Overall Performance	95.9-100%

☒ Real students. Real skills. Real preparation for patient care in southern New Mexico.

8



National Recognition

A Nationally Recognized Standard of Excellence

New Mexico's First INACSL-Endorsed Simulation Program

DACC earned endorsement from the **International Nursing Association for Clinical Simulation and Learning (INACSL)** - the first program in New Mexico to receive this recognition.

Healthcare Simulation Standards of Best Practice™

INACSL endorsement reflects full alignment with the **gold standard** in simulation education - rigorous, evidence-based, and nationally validated.

9

FROM ONE PROTOTYPE SIMULATION CENTER

How Far We've Come



"What started with one manikin and an iPad is now a fully equipped, nationally recognized simulation program."

Dedicated Sim Center

We opened a purpose-built Simulation Center - a dedicated space for Health Sciences simulation education.

Expanded to Sunland Park

Simulation programming expanded to the Sunland Park Center, bringing access to more students across the region.

Cameras & Recording Equipment

All simulation areas are now equipped with professional cameras and recording equipment for debriefs and performance review.

13 High-Fidelity Manikins

Our manikin fleet has grown to 13 high-fidelity manikins, enabling complex, multi-patient scenarios across all levels.

Sim Center Renovation + Apple TV

A recent renovation expanded the Sim Center footprint and added Apple TV integration for dynamic, visual debriefing sessions.

10

Why This Matters to Southern New Mexico

Simulation is an investment in readiness – and in the health of our community.

Safer Patient Care

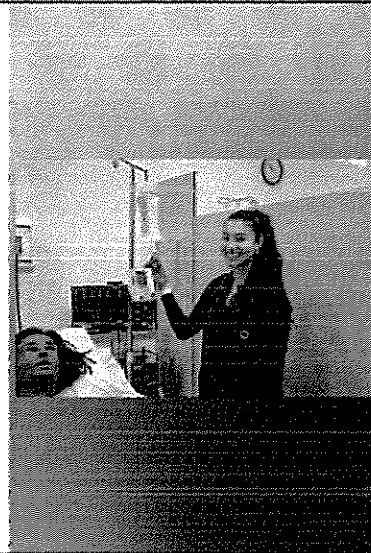
Students practice high-risk situations before entering clinical settings – reducing errors and improving outcomes from day one.

Better-Prepared Graduates

Students develop the clinical judgment, communication, confidence, and teamwork that employers demand.

Stronger Workforce

DACC prepares healthcare professionals who will serve communities throughout southern New Mexico for years to come.



11

Looking Ahead

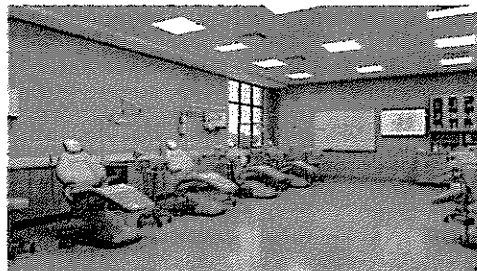
The Future of Simulation at DACC

Continued Growth

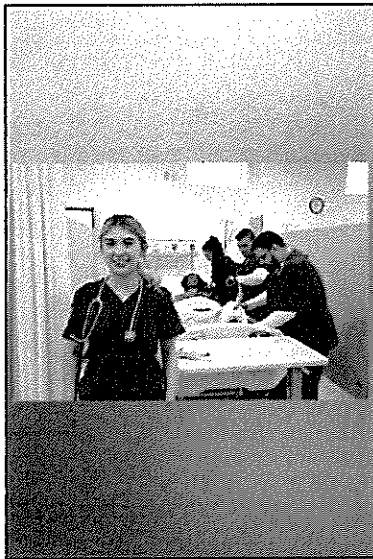
- Continued investment in high-fidelity simulation technology
- Broader interdisciplinary scenarios across all Health Sciences programs
- Expand augmented and virtual simulation experiences
- Sustained IMCSE standards as the program scales
- Ongoing faculty development and credentialing

Dreaming of the Future: Dental Clinic Simulation Lab

DACC's Dental Program would like to expand the simulation model into dental education, bringing the same evidence-based, hands-on preparation to dental hygiene students.



12



Thank You.

**We Welcome Your
Questions.**

Dorla Ana Community College | Health Sciences Division | Simulation
Program

