

WORLD INFO 23

8 – 12 JULY 2023 | SYDNEY, AUSTRALIA

Teledermatology | Simulating Hybrid Workflows for Telemedicine Education

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Learning Objectives

- Describe each section of our teledermatology educational workshop
- Explain our hybrid workflow to permit replication
- Report preliminary results from evaluation of teaching and learning



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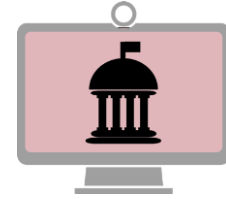
Foundations



Communication



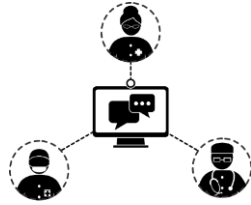
Physical Exams



Policies &
Governance



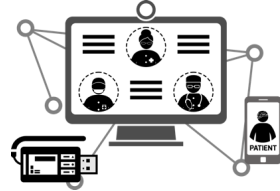
Workflow



Care Coordination



Social
Determinants



Tech Platforms

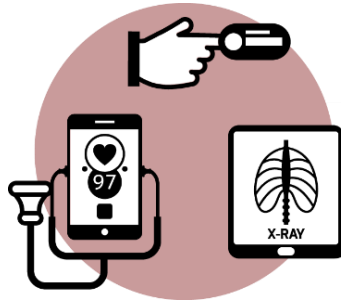


Safety &
Quality

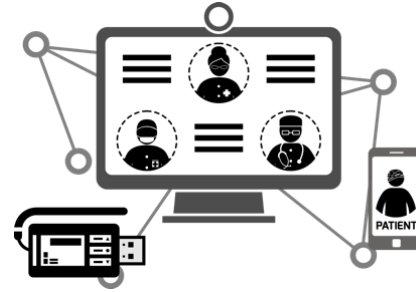
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Communication



Physical Exams



Tech Platforms



Workflow

Association of American Medical Colleges

- ✓ Develop an **effective rapport** during virtual visits
- ✓ Conduct an appropriate **virtual physical exam**
- ✓ Explain the **equipment required** for conducting care at originating and distance sites



Telehealth Competencies Across the Learning Continuum

TELEDERMATOLOGY



- HEALTH CARE
- VIRTUAL HOSPITAL
- MEDICAL SERVICE
- EMERGENCY

882-6663 872-9873:72 74:663:62 09:982:73 882: 872:987:32

Telemedicine Instructional Module



1

READINGS &
PRE-TEST

2

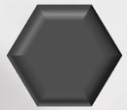
DIDACTIC SESSIONS

3

SIMULATION
& FEEDBACK

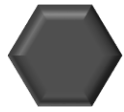
4

LARGE GROUP
DISCUSSION



Tele dermatology Simulation

- **Standardized patient** presenting to a simulated virtual telemedicine appointment
- Presenting with a recurrent **pink and pruritic rash** on the back (hint: it's tinea versicolor)
- In this simulated clinic, nurse collects history and **uploads digital images** from the patient
- Student expected in 15 minutes to conduct a **focused physical exam**; develop rapport, **review digital images**, provide a diagnosis and plan



A Hybrid Workflow | Store and Forward

Workflow part 1

Review written chief complaint, symptoms, and medical history

Enter virtual encounter using videoconference software

Review history and symptoms with patient



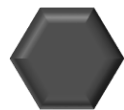
Workflow part 2

Open store-and-forward images of skin located on desktop

Provide a diagnosis and recommend a treatment

Communicate follow up plan and disposition to patient





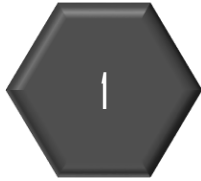
A Hybrid Workflow | Store and Forward



Measurement of Teaching and Learning



Measurement of Teaching and Learning

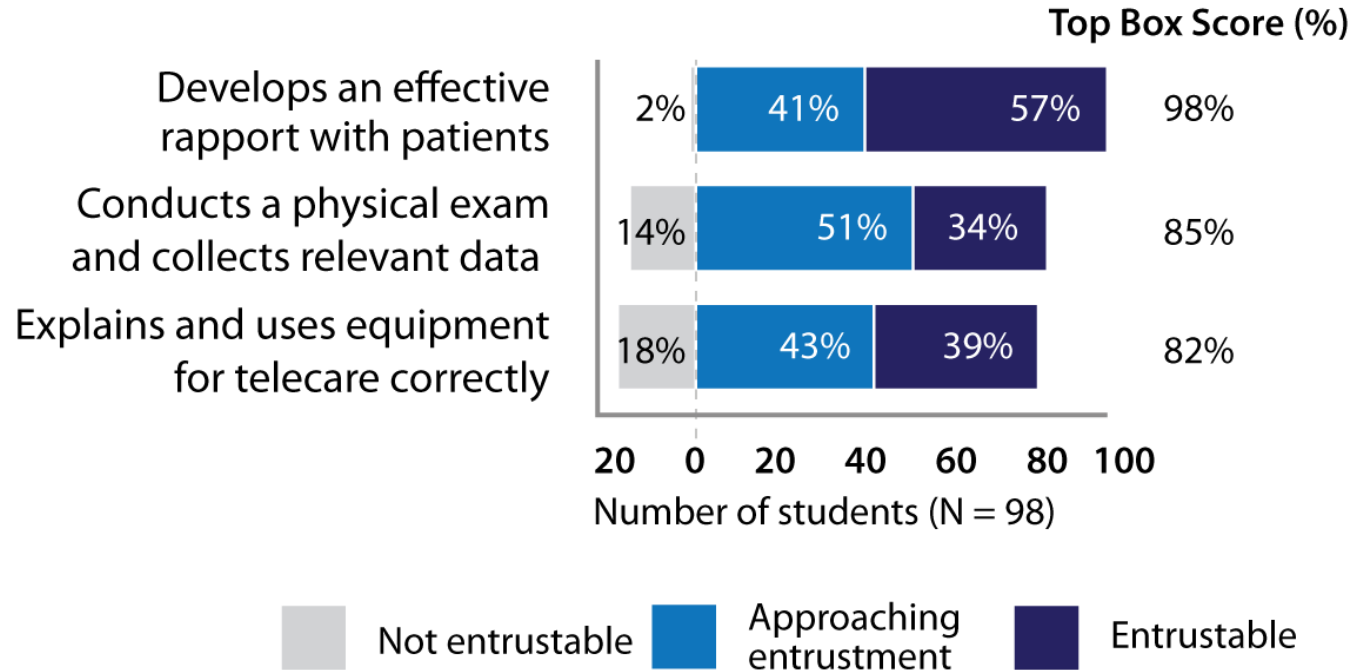


COMPETENCY DEVELOPMENT

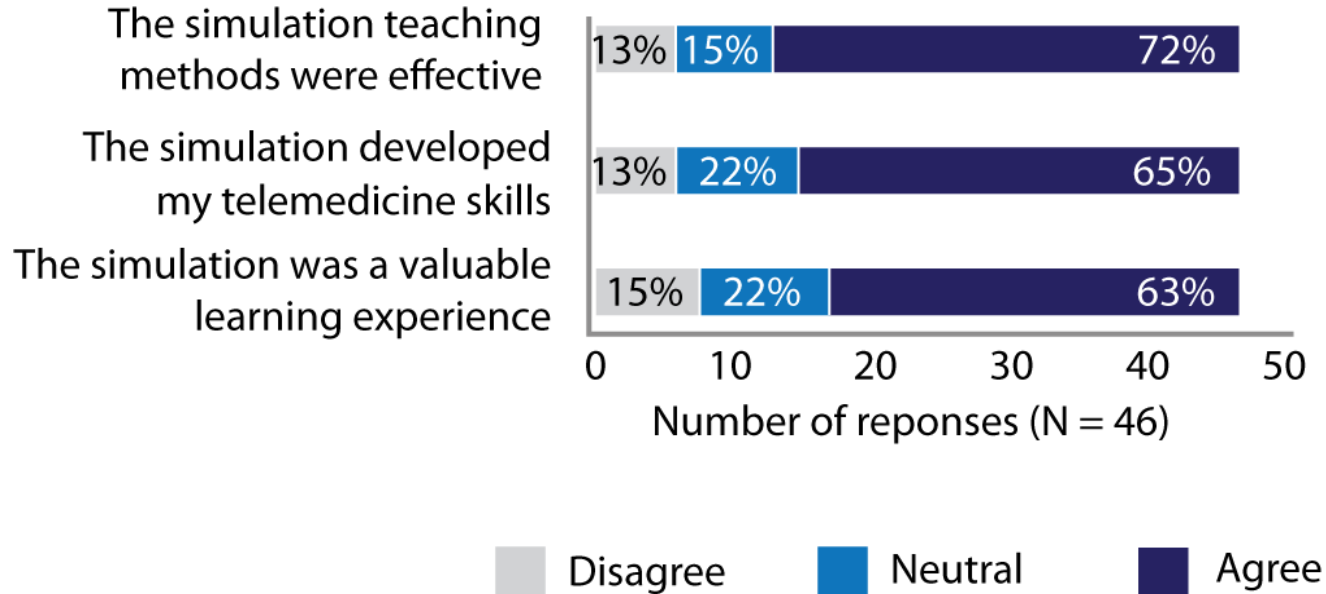


LEARNER SATISFACTION WITH SIMULATION

Competency Development



Satisfaction with Simulation



Discussion

- First known description of a teledermatology learning module
- Effective strategy to introduce learners to several virtual medicine workflows
- Most students approaching entrustment and on track for level of training
- Mixed attitudes around telemedicine; most preferred live sessions



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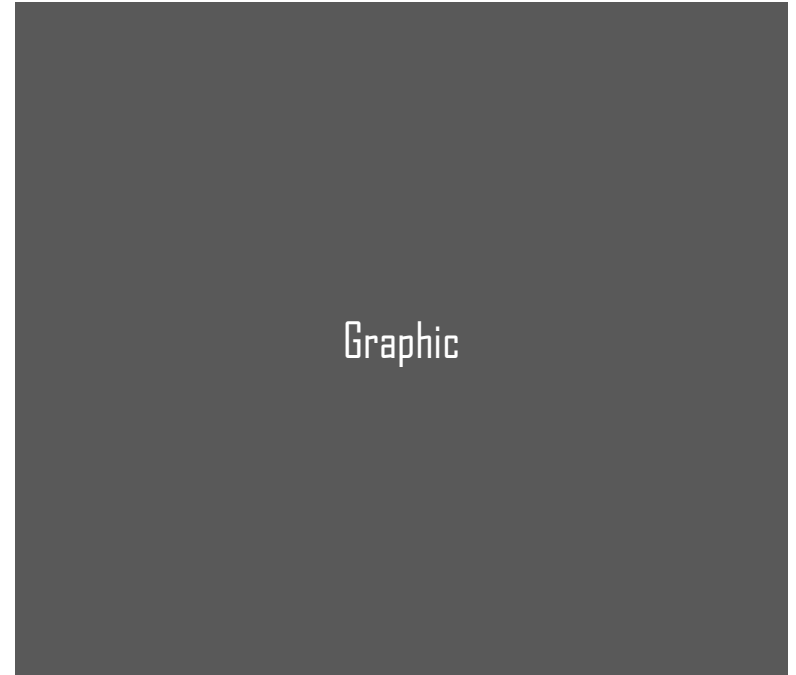
Blake-Lesselroth@ouhsc.edu

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Template

- Bullet number one
- Bullet number two
- Bullet number three



1. Reference
2. Reference