ORGANIZATIONAL CHANGE TO PROMOTE PATIENT SAFETY:

BEST PRACTICES

Your Panelists

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- Executive Director, SCSIL, Eastern Virginia Medical School
- President, Society for Simulation in Healthcare

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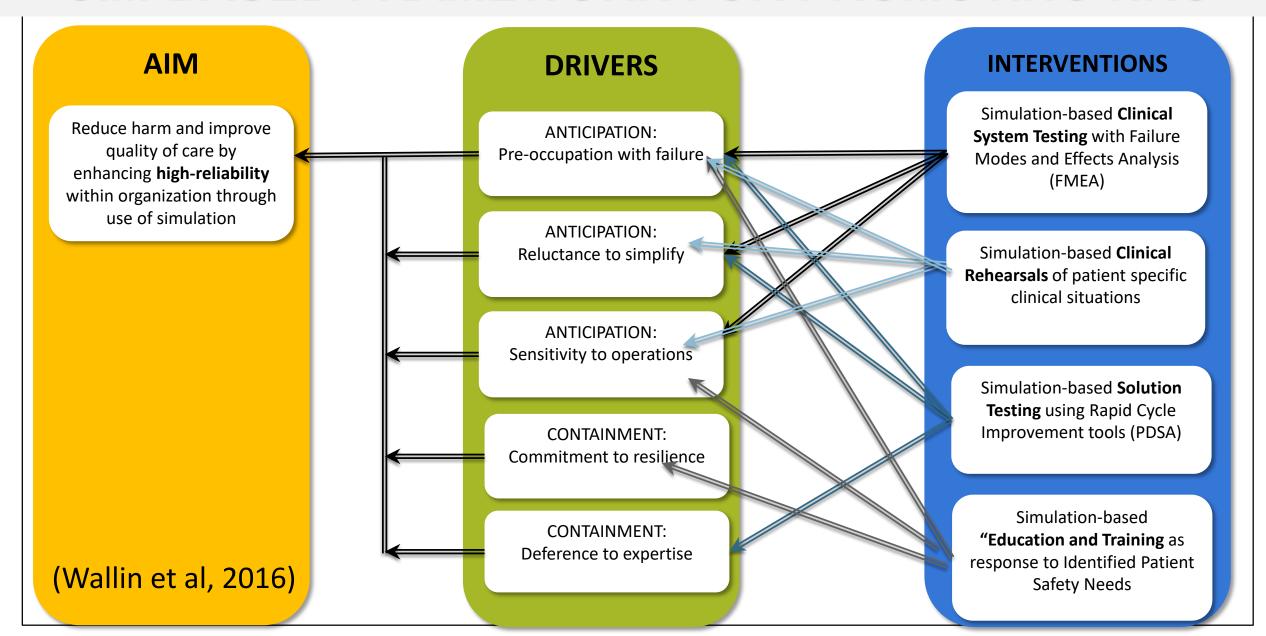
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JENNIFER ARNOLD, MD, MSC

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SIM-BASED FRAMEWORK FOR PROMOTING HRO



BRE P. BANKS, PH.D.

Director of Clinical Education

Centerstone's Research Institute

A NEW PARADIGM IN TRAINING FOR PATIENT SAFETY:

SIMULATION IN BEHAVIORAL HEALTH

Bre P. Banks, Ph.D. | Director of Clinical Education Centerstone's Research Institute

CLINICAL TRAINING IN BEHAVIORAL HEALTH:

OUR CURRENT LANDSCAPE

Virtually no mandates for training behavioral health providers in evidence-based practices (i.e., psychotherapies, case management approaches, etc.)

This leads to substantial inconsistency in competency in both across and within behavioral health professions

A few examples:

- ~80% of behavioral health providers receive no training in evidence-based practice for suicide intervention in their graduate training; beyond
- When training does occur, "traditional" training models do not result in long-term knowledge or clinical behavior change

Using Simulation as a Solution

TRAINING

Leverages evidencebased strategies aligned with how clinicians learn; scalable; competency and patient safety focused



TREATMENT

Allows for dissemination and implementation of evidence-based treatments; reduces science to service gap; better treatment to more people



GLOBAL IMPROVEMENT

Clients' behavioral
health outcomes
consistently tied to
global health
improvement; costs
saved to healthcare
systems, government,
society at large

OPPORTUNITIES AND NEEDS



RESEARCH

Federal grant funding mechanisms that include support for training and training outcomes research



MANDATES & POLICY

Leveraging legislative power to drive push for simulation training as requirement for behavioral health licensure



MANAGED CARE

Advocacy to improve reimbursement rates for clinicians trained to fidelity using simulation



EDUCATION TO INDUSTRY

Collaboration with higher education accreditation programs to facilitate simulation training before graduation

JENNIFER COWART, MD

Assistant Professor of Medicine, Mayo Clinic Florida Internist, Pharmacologist, Mayo Hospital System

Patient Safety and Simulation: Multidisciplinary Process Improvement

- Bring multidisciplinary team together to learn new process
 - Physicians and clinicians including trainees
 - Nursing and allied health
- Use simulation to practice prior to "go-live"
 - Either dedicated simulation center or within the clinic
- Challenges: scheduling time



Patient Safety and Simulation: Demonstration and Role Play

- Incorporation of simulation center resources and methods for graduate medical education
 - Standardized patients and technology
- Demonstration and practice of difficult conversations
 - Feedback and debriefing
- Meets ACGME Clinical Learning Environmental Review (CLER) Pathways to Excellence
- Challenges: trainee and faculty time



PAUL PHRAMPUS, MD

Medical Director, Patient Safety, UPMC Health System

Paul E. Phrampus, MD Director, Winter Institute for Simulation, Education and Research (WISER)

Director, Winter Institute for Simulation,
Education and Research (WISER)
University of Pittsburgh and UPMC
Medical Director, Patient Safety, UPMC Health System
Past President, Society for Simulation in Healthcare







On Patient Safety

- Shift Focus from Regulatory Perspective
- Systems Engineering Perspective
- Learning System
- Regulatory Needs
- Human Endurance / Abilities
- Manage for Safety as Much as Financial Viability

Paul E. Phrampus, MD

Director, Winter Institute for Simulation, Education and Research (WISER) University of Pittsburgh and UPMC Medical Director, Patient Safety, UPMC Health System Past President, Society for Simulation in Healthcare







On Simulation in Patient Safety

- Needs Should be Data Driven
- Shift focus from Education
- Regulatory Needs
- Alignment of Common Goals
- Relationships in Safety and Quality

Paul E. Phrampus, MD

Director, Winter Institute for Simulation,

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GINNY RIGGALL DNP, RN, ACCNS-AG, CHSE

Clinical Practice Consultant for

Simulation and TeamSTEPPS for Kaiser Permanente Northern

California Regional Risk and Patient Safety

Organizational Change to Promote Patient Safety: Best Practices at Kaiser Permanente

Virginia Riggall, DNP, RN, ACCNS-AG, CHSE



Best Practices...

- Voice of the Patient Included in Programs
- Bi-Annual/Annual Mandatory Team Training
 - TeamSTEPPS Training
 - Simulation
- Mapping out Workflows
 - Stroke
 - Quintuplets
- Workforce Development Immersion Program for Future Perioperative Nurses



RACHEL SLAYTON, PH.D. MPH LCDR, USPHS

Mathematical Modeling Unit Lead, Division of Healthcare

Quality Promotion, Centers for Disease Control and Prevention

The Threat of Antibiotic Resistance in the United States



New National Estimate*

Antibiotic-resistant bacteria and fungi cause at least an estimated:



2,868,700 infections





Clostridiodes difficile is related to antibiotic use and antibiotic resistance:





New Threats List

Updated urgent, serious, and concerning threats-totaling 18

urgent threats

new threats

Watch List with



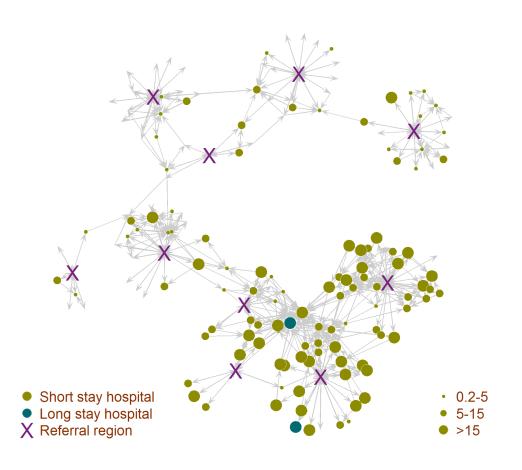
Antibiotic resistance remains a significant One Health problem, affecting humans, animals, and the environment.

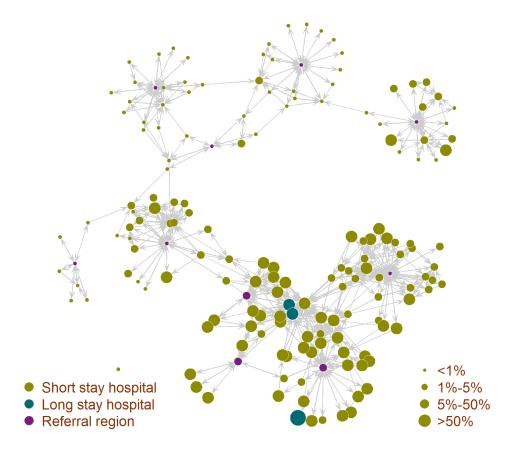
www.cdc.gov/DrugResistance/Biggest-Threats

How is CDC Using Mathematical Modeling and Simulation of Transmission to Accelerate Prevention?

Positive CRE lab tests per 10,000 admissions (NHSN 2015)

Endemic prevalence and patient transfer network





BOB ARMSTRONG

Executive Director, Sentara Center for Simulation and Immersive Learning

Eastern Virginia Medical School

President, Society for Simulation in Healthcare

Patient Outcomes, Patient Safety

- As many as **440,000** people die every year from hospital errors, injuries, accidents, and infections.
- Every year, **1 out of every 25** patients develops an infection while in the hospital—an infection that didn't have to happen.
- A Medicare patient has a **1** in **4** chance of experiencing injury, harm or death when admitted to a hospital.
- Today alone, more than 1000 people will die because of a preventable hospital error.

1000 people <u>a day</u> die from preventable errors

- This is the equivalent of:
 - Two jumbo jets crashing every day.
 - 75% of the enrollment of my institution, (~1,300)
 - Roughly the size of a Marine battalion, (~1,000)
 - 10% of my town, Smithfield, Virginia, (~10,000)
 - Nearly 2X the size of Congress, (535)

WE CAN DO BETTER.