#### **Bridging Interprofessional Education and Collaborative Practice Through TeamSTEPPS®**

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#### WELCOME!

#### Learning Objectives

- 1) Outline innovative approaches to bridging the gap between interprofessional education and collaborative practice for professionally diverse student populations in both the classroom and clinical settings.
- Describe how to successfully plan and embed interprofessional TeamSTEPPS® education into curricula.
- 3) Discuss necessary logistical support, program integration, and barriers and opportunities associated with novel approaches to developing interprofessional collaborative practice-ready health care professionals.

### Today's Agenda

- 1) TeamSTEPPS<sup>®</sup> Background and its Value for Bridging the Gap
- 2) The KUMC approach to integrating TeamSTEPPS® & Lessons Learned
- 3) The MUSC approach to integrating TeamSTEPPS® & Lessons Learned 4) Facilitated Discussion
- 5) Q&A



#### Introduction TeamSTEPPS 20 Developed to improve collaboration and communication Communication and teamwork skills essential for transforming patient safety and improving quality of care Designed to help healthcare teams to respond quickly and effectively to any situation that arises Based on 30 years of research and evidence related to team training Improves attitudes Increases knowledge Improves behavioral skills Team Strategies & Tools to Enhance Perfor ner Se Par











# Interprofessional Practice and Education at KUMC

- Foundational Interprofessional Collaboration Program
  Salina and Wichita campuses
- Interprofessional Teaching Clinics (Family Medicine and Geriatrics)
- Faculty Development Initiatives
- Geriatrics Champions Program (Team-based Learning)
- Simulations with Standardized Patients (Discharge planning)
- Interprofessional Ethics Seminars
- Interprofessional Collaboration around EHR
- Program-initiated IPE Endeavors
- Training Clinical Teams in KU Hospital



#### FIPC: Introduction to TeamSTEPPS®

- Required for all students early in their education at KUMC (first year students targeted)
- Students from 13 professions involved currently:
  - Clinical Lab Science
  - Health Information Management Health Policy and Management
  - Speech Language Pathology
  - Audiology
  - Pharmacy
  - Physical Therapy
  - Occupational Therapy Respiratory Therapy
  - Dietetics and Nutrition
  - Medicine
  - Nursing
  - Nurse Anesthesia

## **Campus-wide IPE** Foundations of Interprofessional Collaboration: Introduction to TeamSTEPPS® alues and Ethi Level 1 Acquire Level 2 Apply



#### KUMC: FIPC - Level 2 Application Activities 1) Case-based IP Plan of Care Profession-specific information • + Debriefing 2) SBAR and CUS Profession-specific information +Debriefing



### interprofessional appreciate **FIPC Assessment** healthcare • Pre-Event Teamwork Attitudes Questionnaire Post-Event Teamwork Attitudes Questionnaire Post-Event Evaluation





### Novel Approach @ KUMC

- Combination of IPEC competency domains and TeamSTEPPS<sup>®</sup>
- Longitudinal approach building with each FIPC level
- Practice with specific TeamSTEPPS<sup>®</sup> tools ones that are likely to be used in any setting (Brief, Huddle, SBAR, CUS, etc.)
- Very interactive + debriefing after every activity
- Assessing beyond just attitudes, also knowledge, skills and behaviors
- Include professions that provide non-direct patient care
- Dovetails with IPE and IPCP faculty development efforts
- Hospital efforts coincide with academic efforts will reinforce
  each other
  A Novel Approach







### Introductions

- Holly Wise, PT, PhD & Mary P. Mauldin, EdD (Panelists)
- Kelly Ragucci, PharmD, BCPS, CDE (Co-author but unable to attend)

#### • Other MUSC Team Members:

- Terri Fowler, DNP, APRN, FNP-C
- Zemin Su, MS, MAS
- Jingwen Shang, MS
- Jill Mauldin, MD
- Danielle Scheurer, MDJeffrey Borckardt, PhD
- Donna Kearns, MD
- Nancy D. Duffy, DNP, RN, CEN, CNE
- Special Thanks: Sarah Shrader, PharmD, BCPS, CDE

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### **Required IP Course:** Transforming Health Care for the Future



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#### **Simulated Interprofessional Rounding Experience (SIRE)**

- Developed 2009 as collaboration between COM and COP and has expanded to include PA and Nursing students
- Students placed in IP clinical teams with up to 5 members:
- 1 Medical student (Year 4)
- 1 Nursing student (Upper level)
- 1 PA student (Year 1) • 2 Pharmacy students (Year 3)









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SIRE Outcomes: 2011			
Survey items	Overall Pre (n=99)	Overall Post (n=104)	P value
Shared learning will help me communicate better with other HCP after graduation	4 (4 to 5)	5 (4 to 5)	0.02
Learning with other students will improve relationships after graduation	4 (4 to 5)	5 (4 to 5)	0.0003
I am confident in developing a PCT plan for a patient	3 (3 to 4)	4 (3 to 4)	0.29
I am confident in ordering/interpreting lab data	3 (3 to 4)	4 (3 to 4)	<0.001
I am confident in managing med errors	3 (3 to 4)	4 (3 to 4)	0.005
I am confident in managing drug interactions	3 (3 to 4)	4 (3 to 4)	<0.0013











#### Innovation: Innovation: Trained Observers Teaching TeamSTEPPS® Curriculum IP Faculty Facilitators Faculty established range of reliability Peer-to-peer Teaching Students Students placed into 5 IP groups Achieved observer reliability with 4 Given 1-2 weeks (depending on semester) and information on accessing TeamSTEPPS\* training materials and curriculum videos of clinical team interactions Oriented to floor & completed a Creative, multi-media module instruction in 90 minutes!!! 5 hour observation Utilization of Team Performance Observation Tool (TPOT) • Experiential Learning: Students participate in QIP as reliable observers in clinical setting MUSC MUSC Changing What's Possible | MUSC











#### Resources

- TeamSTEPPS® Home: <u>http://teamstepps.ahrq.gov/</u>
  TeamSTEPPS® Tools and Materials: <u>http://www.ahrq.gov/professionals/education/curriculum-</u>
- tools/teamstepps/instructor/index.html • TeamSTEPPS® Training: http://teamstepps.ahrg.gov/trainingEligibility.htm
- National Center for Interprofessional Practice and Education: <u>https://nexusipe.org/</u>
- NCIPE Resource Exchange:
- https://nexusipe.org/informing/resource-center
- NCIPE Preceptors in the Nexus: <u>https://nexusipe.org/engaging/learning-system/preceptors-nexus-toolkit</u>

