



## Quality Collaborative Care through Interprofessional Education: We Owe it to our Patients



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## Goals of this presentation

- Provide a brief overview of the evidence that collaborative care and interprofessional education (IPE) are essential to healthcare quality
- Describe the University of Virginia Interprofessional Education Initiative (IPEI)
- Offer perspectives on the future of IPE toward effective collaborative patient care in Virginia



## Introduction

- Importance of leadership for interprofessional education in Virginia
- Changing the educational paradigm
- Aligning value and incentives

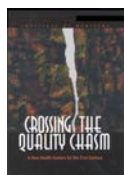
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## Previous Institute of Medicine Reports



- **To Err is Human: Building a Safer Health System (1999)**



- **Crossing the Quality Chasm: A New Health System for the 21<sup>st</sup> Century (2001)**



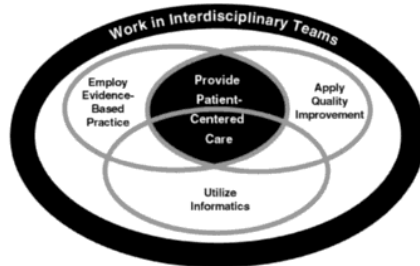
- **Health Professions Education: A Bridge to Quality (2003)**

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## IOM: The Five Core Competencies of Health Professionals

Overlap of Core Competencies for Health Professionals



- Provide Patient-Centered Care
- Work in Interdisciplinary Teams
- Employ Evidence-Based Practice
- Apply Quality Improvement
- Utilize Informatics

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## Collaborative Practice as defined by the World Health Organization

- “Collaborative practice happens when multiple health workers from different professional backgrounds work together with patients, families, carers and communities to deliver the highest quality of care.”



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## **Why do Clinicians Want Collaboration?**

- Be brought together an interprofessional team.
- Help patients access the most appropriate services
- Improve the services their patients receive
- Offer additional and different services
- Make effective use of resources

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## **What is at stake if health professionals do not learn to work together more effectively?**

- Poor Patient Outcomes
- Errors
  - Diagnostic
  - Treatment
  - Prevention
  - Communication
- Costs
- Attrition



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## Collaborative Interprofessional Practice Improves Outcomes

- Improved patient outcomes
  - reduced length of stay
  - decreased medication errors
  - improved care outcomes
  - improved patient satisfaction
- Improved provider outcomes
  - Improved nurse satisfaction & retention
  - Improved physician satisfaction
- Decreased healthcare costs



## One example:

- Interprofessional patient rounds using team decision making resulted in decreased:
  - Ventilator-associated pneumonia
  - Bloodstream infections
  - Urinary tract infections.
  - Adverse events in ICU
  - Costs



Jain et al *Qual Saf Healthcare*. 2006;15:235–239; Pronovost, et al. *N Engl J Med* 2006;355:2725–32

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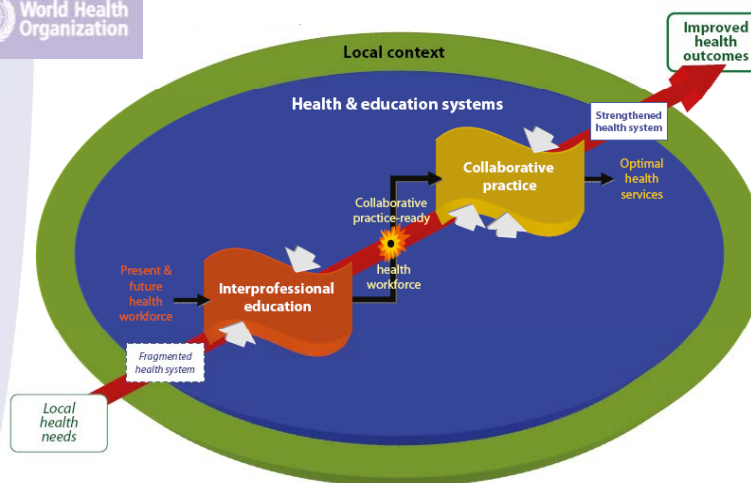


## Interprofessional Education (IPE) as defined by the World Health Organization

- Students from two or more professions learn about, from and with each other to enable effective collaboration and improve health outcomes.
- Preparing a “collaborative practice-ready” health workforce



## The Path to Improved Health Outcomes Through IPE and IPP



WHO Study Group on Interprofessional Education and Collaborative Practice: Framework for action on interprofessional education and collaborative practice (2010)

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## UVA Interprofessional Education Initiative (IPEI)



## Building on a Strong Foundation

- Simulation
- Remote Area Medical (RAM)
- Telehealth
- Bioinnovation
- Basic skills training
- Global health partnerships





## **Josiah Macy Jr. Foundation: Bridging the Gap**

- Schools of Medicine and Nursing funded to further integrate IPE into their curricula and to strengthen student learning toward collaborative care
  - Integrate teamwork training into expanded simulated clinical settings
  - Support for development and implementation of new faculty training programs, simulated cases, and course work



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**John Owen, EdD, MSc**  
**Jeanne Erickson, PhD, RN, AOCN**  
**Leslie Blackhall, MD, MTS**

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## **Classroom / Simulation / Standardized Patients**







## **UVA Now Recognized as a National Leader in IPE**

- 25 IPE programs in undergraduate, graduate, and professional education
  - Classroom
  - Simulation
  - Standardized patients
  - Clinical care
- Numerous grants totaling nearly over \$800,000 in funding to support IPE at UVA
- National Dissemination of IPE Scholarship and Leadership
  - Presentations at national meetings
  - Scholarly Articles
  - Webinars
  - Represented in leadership roles in many settings across the nation (HRSA, Macy, Kaiser, VNA, etc)

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## **State of Virginia, IPE and The Future**

- Our patients, families and communities deserve collaboration-ready teams
- IPE is the way of the future
- New delivery models to provide higher quality, safer care will be the result

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