



New Educational Models for a New Workforce *Interprofessional Education (IPE)*

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Commitment to IPE – System Level

▶ UT System

- Innovations in Health Science Education
- Clinical Safety and Effectiveness Course
 - 2009 – Building the Bridge at the Quality Chasm
 - 2010 – Building Bridges: Preserving Quality After Health Care Reform
 - Share successful improvement project outcomes
 - Adopt applicable best practices



CENTER FOR PATIENT SAFETY & HEALTH POLICY

UT HEALTH SCIENCE CENTER™

WE MAKE LIVES BETTER

Educating for Quality Improvement & Patient Safety

AIMS

- Integrate quality & safety concepts into everyday work
- Enhance organizational knowledge through dissemination of successful practices
- Train next generation of health professionals to incorporate QI practices in their work

▶ OBJECTIVES:

- Train a core of interprofessional faculty/staff/students in QI
- Implement QI & Safety through project based learning
- Disseminate QI methods within and outside the HSC

Interprofessional Center Activities

- ▶ UT System Clinical Safety and Effectiveness Course
 - MDs, RNs, pharmacists, radiology techs, radiation oncology physicists and techs, administrators
- ▶ Patient Safety & Quality Course for medical and nursing students
- ▶ IPE elective course
 - ‘Interprofessional Care in the HIV/AIDS clinic: Medication Reconciliation’
 - Medical, nursing, respiratory therapy, PA, pharmacy, public health (UT Houston SPH), social work (UTSA)
- ▶ IHI Open School for Health Professions chapter
 - All HSC and SPH students + Trinity MHA students

IPE in HIV Elective

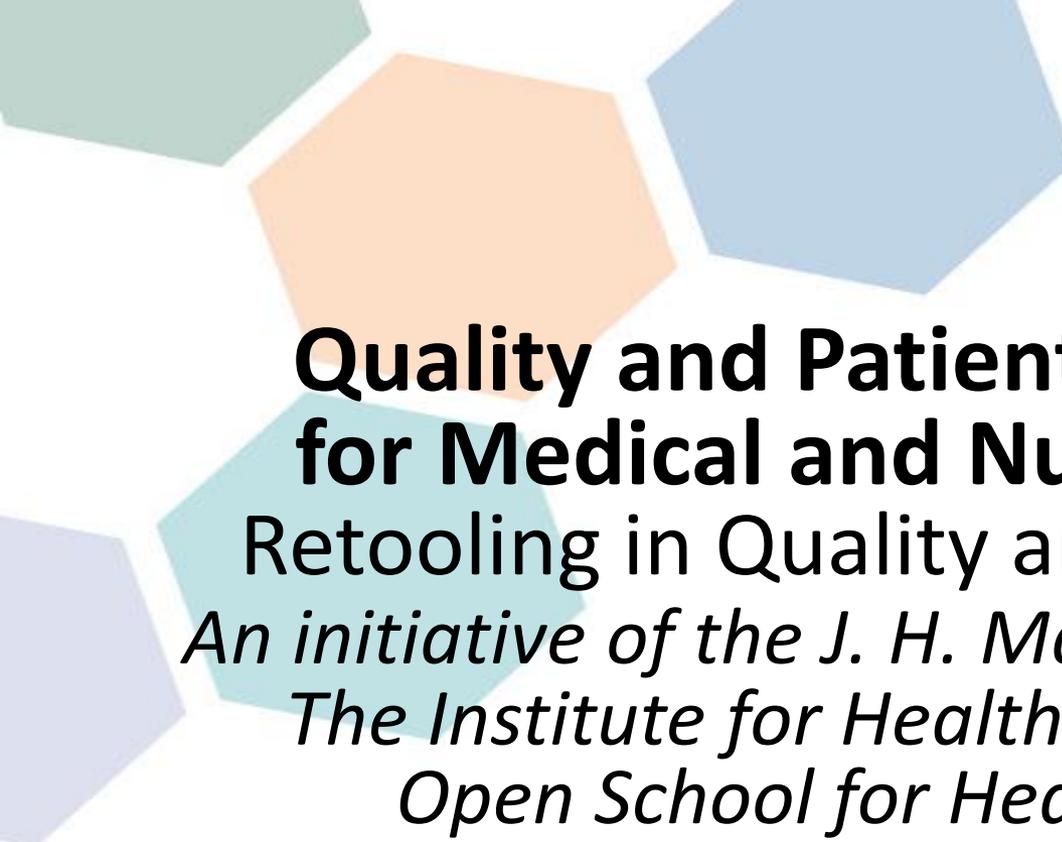
Began 2008

Course elements

- Didactics lectures delivered via Blackboard
- Clinic visits
- Community service learning project (added in fall 2010)
- Discussion board
- Group case analysis and discussion
- Self-reflective exercise

Professional School	Number of students
School of Medicine	5
School of Nursing	1
College of Pharmacy	6
School of Public Health	6
School of Health Professions	10
College of Public Policy(Social Work)	7





Quality and Patient Safety Course for Medical and Nursing Students

Retooling in Quality and Patient Safety:
*An initiative of the J. H. Macy Jr. Foundation and
The Institute for Healthcare Improvement
Open School for Health Professions*



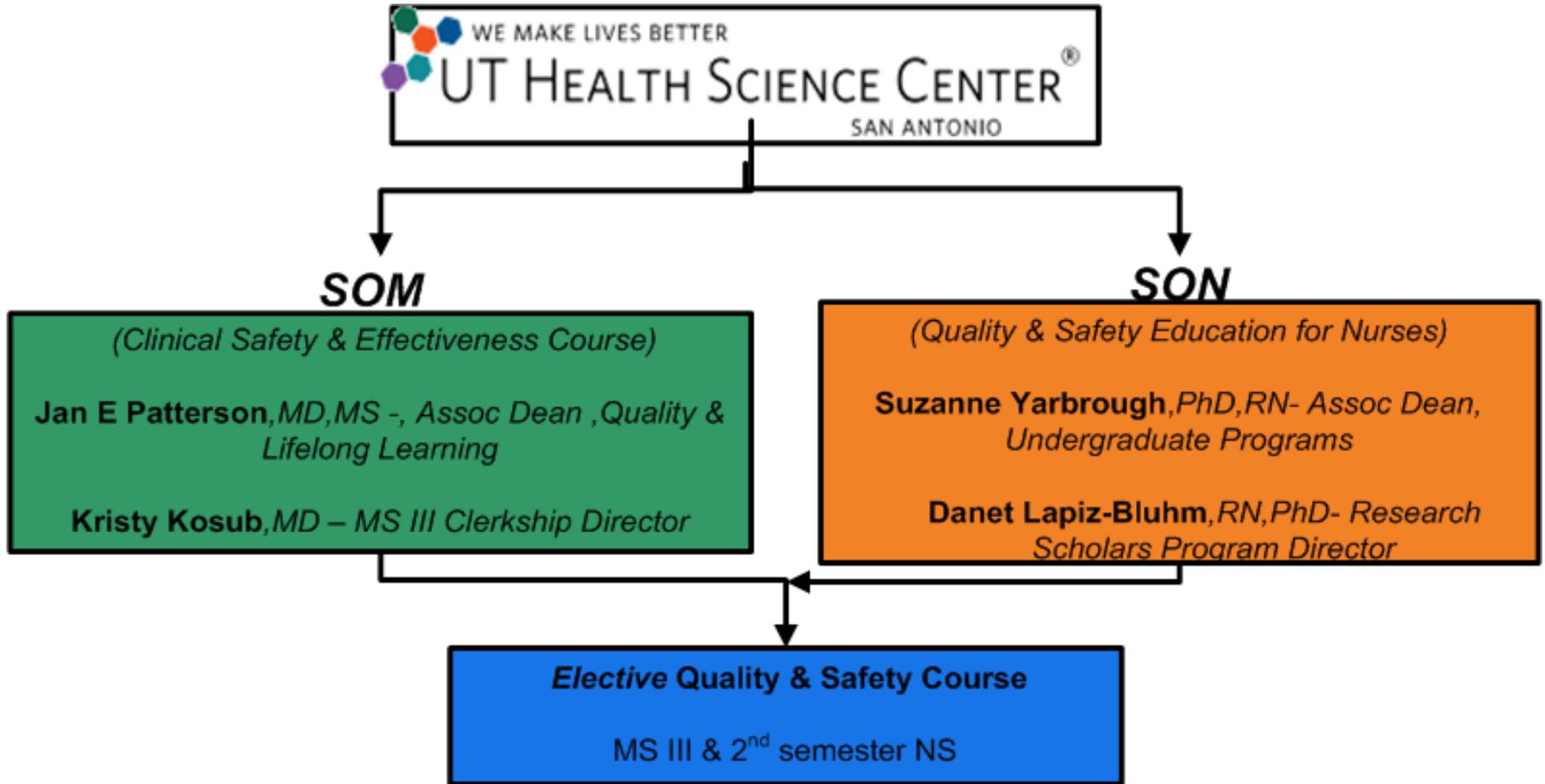
Educating for Quality Improvement & Patient Safety



Objectives

- **Initiate** a quality improvement (QI) and patient safety (PS) course in standard curriculum for medical and nursing students (MS&NS).
- **Increase understanding** of potential commonalities and synchronicity of MS & NS curricula
- **Form a strong interprofessional education (IPE) faculty team** to develop strategies for sustaining and extending this project
- **Increase knowledge in QI** and safety from standard curriculum for MS and NS
- **Achieve three identified core competencies**

Context



Results

RIPLS Pre & Post Course

Post course RIPLS scores for questions 1 & 3 regarding teamwork were significantly higher than pre course. ($p < 0.04$).

- 1. Team-working skills are essential for all health care professionals to learn.*
- 3. Learning with other health care professionals will help me be a more effective member of a health care team.*

Cronbach's alpha was ≥ 0.7 pre- and post-course, indicating internal consistency.

Results

Self-reflective exercise quotes:

‘I have to say I enjoyed having the opportunity to work with nursing students.’ **MS**

‘Integrating future physicians and nurses so early in their learning process, surrounding them with a positive environment, & allowing them to truly focus on improving patient care, is invaluable.’ **MS**

‘This would be better in the MS 2 year’ **MS**

‘a great learning experience’ **NS**

‘a valuable skill set’ **MS**

‘The quality course has been an interesting journey, not only for the students, but for the faculty!’ **NS**

Next Steps

New or enhanced curricular offerings

- PSQI curriculum for SOM and SON integrated into MS2 and 1st and 2nd semester NS on Fridays.
Fall: 182 (117MS + 65 NS); Spring: 236(116MS + 120NS)

New teaching methods

- Didactic **teaching** of MS and NS **together**
- **New didactics** : evidence-based medicine, TeamSTEPPS
- **Small group facilitated sessions** for interactive learning of PSQI tools with case studies and IPE discussions.
- Continue **focused version** of PSQI course for MS3s on Medicine clerkship.



IPE Topic Areas

- Quality improvement, Patient safety
- Evidence-based practice; literature appraisal
- HIV care
- Geriatrics/Aging
- Palliative Care
- Emergency preparedness
- Trauma
- Medical ethics & professionalism
- Community service learning