

Is high quality medical education linked to high quality healthcare?



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Objectives

- Quality in Med ed vs. in Healthcare
 - Clin outcomes associated with teaching hospitals
 - Challenges and Limitations
- 



Quality

Def: **Quality in Higher Ed (Med Ed)**

Fitness for use, customer(s), reputation, stds.

Accreditation

Program & central PGME office stds.

Exemplary Indicators and LPIs

CanERA
9 standards

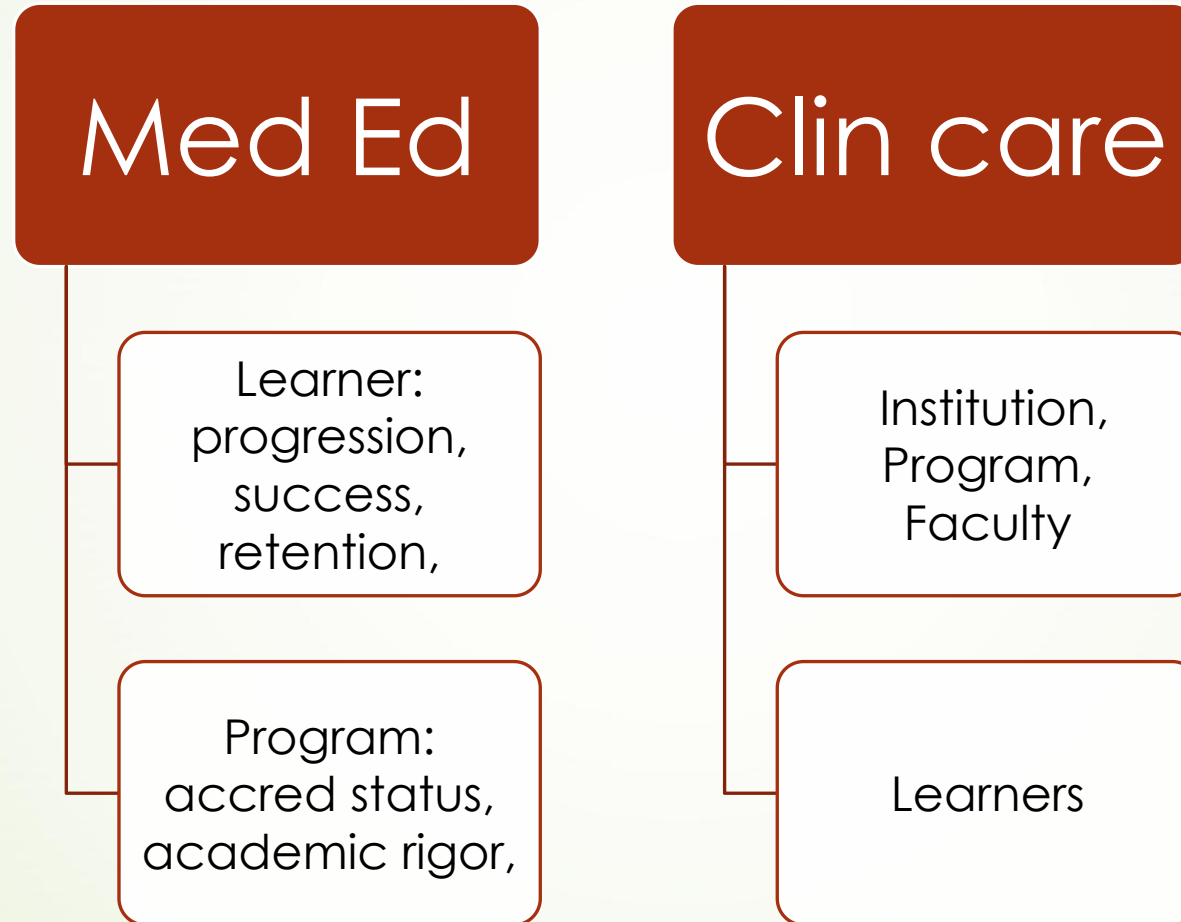
DOMAINS

- Governance
- Education
- Environment
- RESOURCES
- Personnel-
Teachers, administrators
- CQI

Balance CQI and public accountability

Cf; **Quality / Safety in Healthcare**: a widely adopted and “shared understanding”

Outcomes related to Medical Education



Hospitals

- Quality of care in hospitals with / without residency programs

Limited data
Both + and – impact
Variation across teaching & non-teaching hospitals

Residents

- Quality of care provided by residents

Limited data
Both + and – impact

Post-residency practice

- Quality of care after completion of residency

Asch et al:
QofC outcomes correlated residency program quality



Teaching H

Radical
Prostatectomy (lower
length of stay and
mortality) Omidele et
al 2019

Overall outcomes
and costs (**lower**)
Stribling and Hollier
2020; **no diff**
(Tarchchi et al 2017)

Private H

Microlumbar
discectomy (postop
pain, satisfaction,
disability) Akbari et
al 2020

Delirium-all cause
mortality; costs lower
Kotwal et al 2019



Fam Med program in community settings

- Improved capacity, access, std, of care, relationships, social capital
- Fletcher et al 2014; Horvey et al 2022

Care provided by residents

IM program

- Reduced mortality rate
- Reduced length of stay
- No diff in 30-day readmission rate, complications, costs Savoj et al 2021

Academic Hospital setting

- Higher ratings (for residents ct med students) for satisfaction, quality of care, privacy, clin risk management Perri et al 2021



Feedback

- Changes in learner behaviour and Impact on patient outcomes (Bingyou 2017)

Learner efficiency

- Practices associated with residents' efficiency
- Residents' decision-making processes to seek help (Jansen et al 2019)



Faculty

- +ve: up-to-date
- -ve: workload, financial factors

Faculty-Resident

- Feedback culture (Clan vs, Hierarchy-now): (Bing-You et al 2019)

Culture

- Environment : Culture supporting innovations (teaching vs non-teaching hospitals) Agarwal & Sharma 2010

CHALLENGES

Residents

- Most worry about balancing clin care and teaching medical students (Chaalan et al 2020)

Faculty

- Integrating residents in evolving care models (e.g., virtual) Shephered et al 2022

QI education in residency

- Integrating QI in residency: challenges: (Clemo et al 2021); Strategies (Koller)

LIMITATIONS

Limited data

- Methodological rigor, confounding variables

Varied notions of quality

- Accreditation helps improve quality
- (but what is measured? Outcomes? Mazzuco et al 2019;
- whose perceptions- surveyors) dos Santos et al 2017

Other stakeholders

- Challenges in integrating QI in residency (Clemo et al 2021)
- Strategies to incorporate QI in residency (Koller)

