



The BCH Academy's Professional Development in Clinical Teaching Seminar Series

Capturing the Interchange Between Educational Activities and Continuous Quality Improvement

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Session Objectives:

BY THE END OF THIS SESSION, LEARNERS WILL BE ABLE TO:

- Describe a Continuous Quality Improvement (CQI) framework in the context of health professions education
- 2. Identify specific steps in a data-driven educational QI cycle (goals, metrics, intervention, outcome)
- 3. Apply CQI principles to address a specific educational challenge you face in your own work as an educator



Who is in the room today?

Go around your table and introduce yourself:

- your name
- your field/specialty
- the nature of your educational role at BCH

3 mins total!



Session Overview

- 1) OVERVIEW OF EDUCATIONAL CQI
- 2) THREE CASE EXAMPLES
- 3) HANDS ON EXERCISE
- 4) WRAP-UP & KEY TAKE-AWAY'S



What is...

QUALITY IMPROVEMENT?



QUALITY IMPROVEMENT



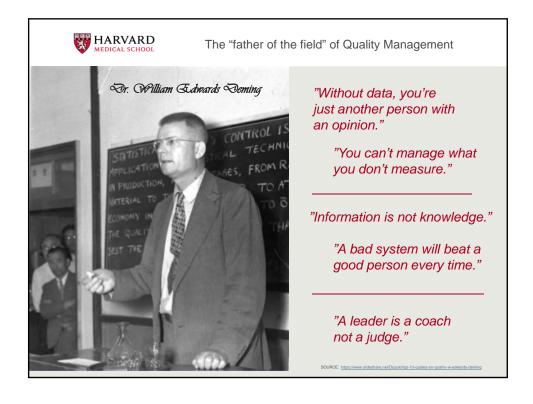
- · Agreed upon standard
- Observable
- Measurable



QUALITY IMPROVEMENT



- Progress over time
- To advance ever-higher goals





Quality Assurance vs Quality Improvement



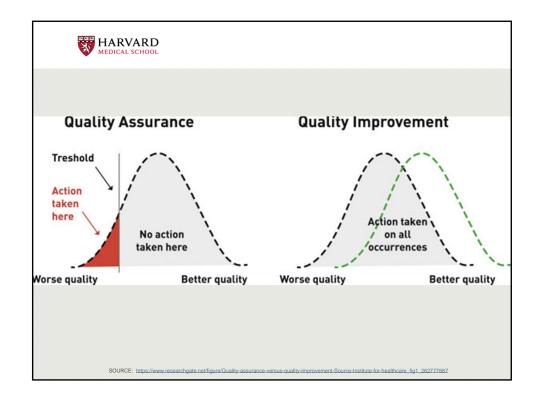


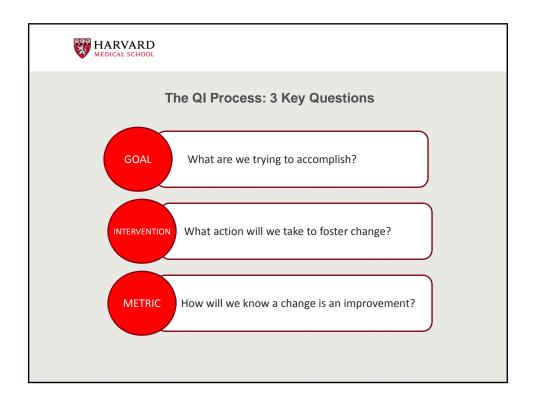
Quality Assurance vs Quality Improvement

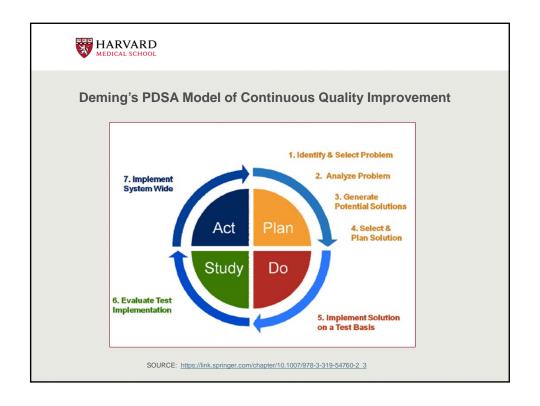
- reactive
- corrects specific problems
- top-down
- ιορ-αοwn compliance-focused
 - "What went wrong?"
- proactive
- focuses on systemic improvement
- participant-driven
- nurtures iterative improvement

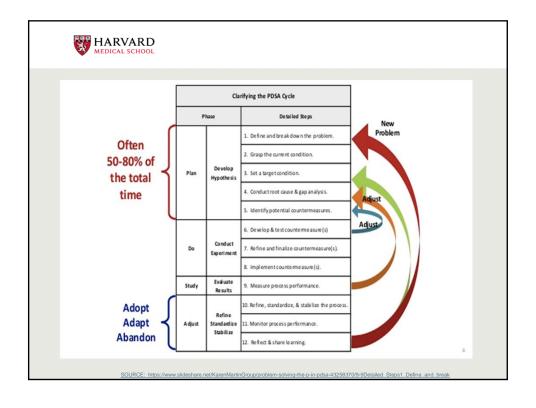
"How can we get better?"

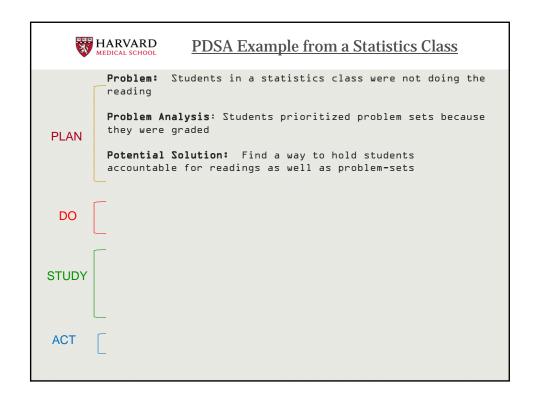
Adapted from: https://www.slideshare.net/MnSavita/quality-assurance-76251124

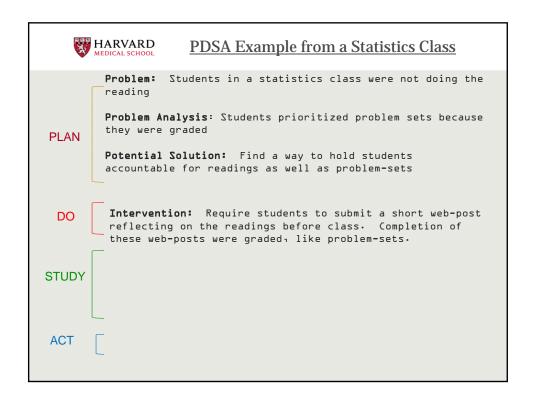


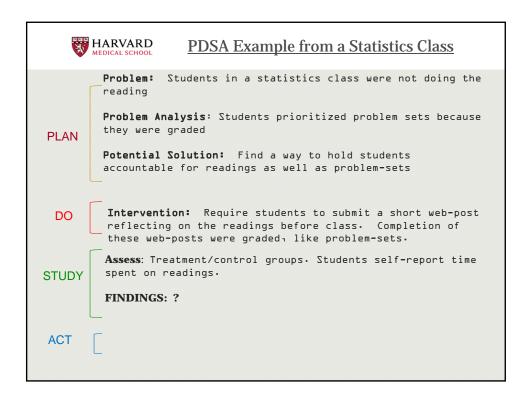


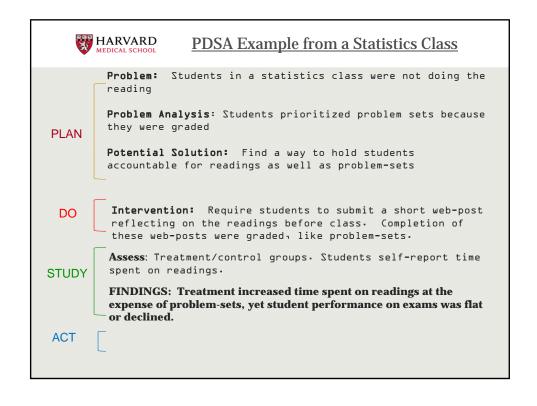


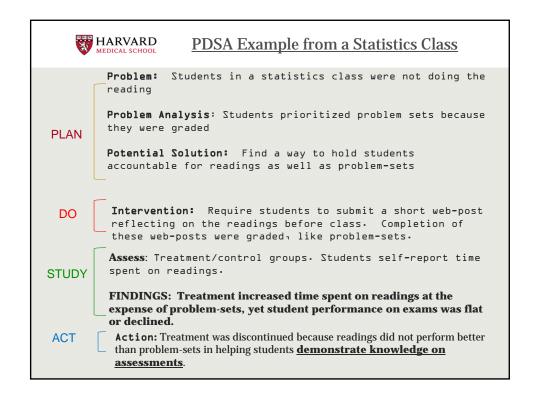


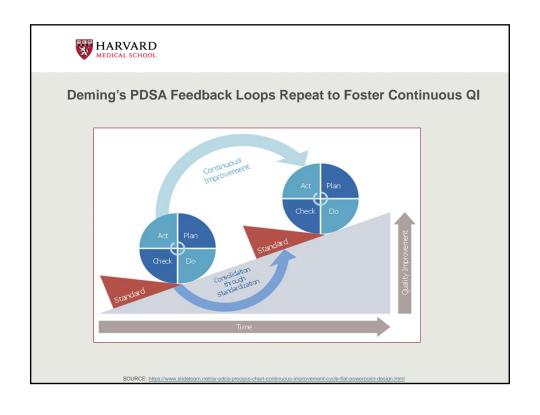


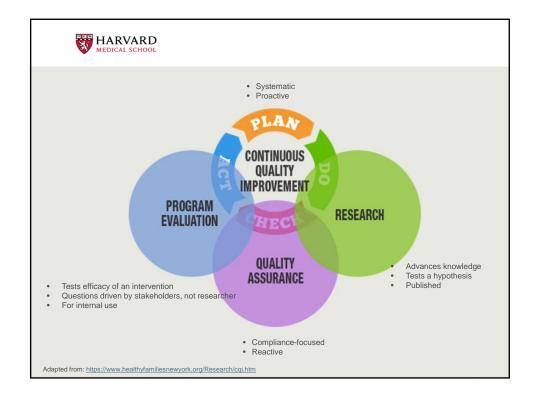










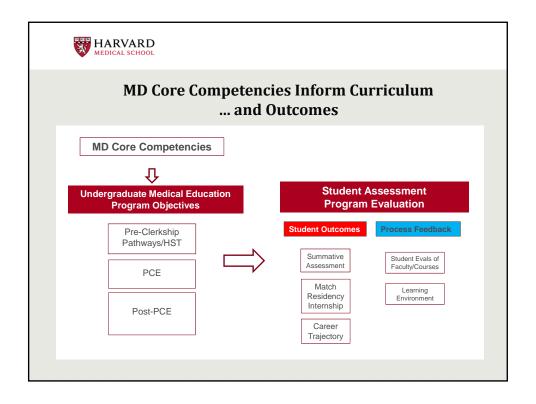


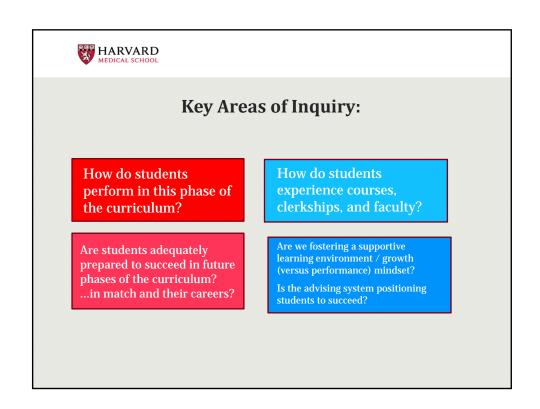


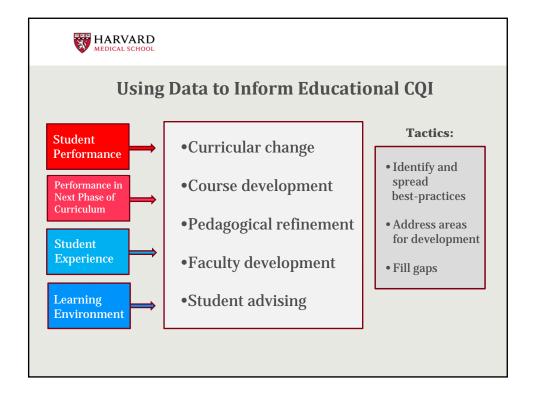
Using CQI in Education

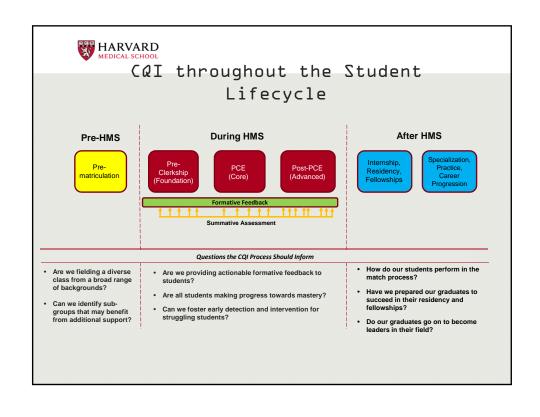
HMS Office of Educational Quality Improvement (OEQI)

- Combined our former "Center for Evaluation" and "Academy" (Faculty Development) into a single unit
- Plan, implement, monitor the educational quality improvement process, linking information gleaned from student, course and program evaluations and assessment data with quality improvement and faculty development initiatives









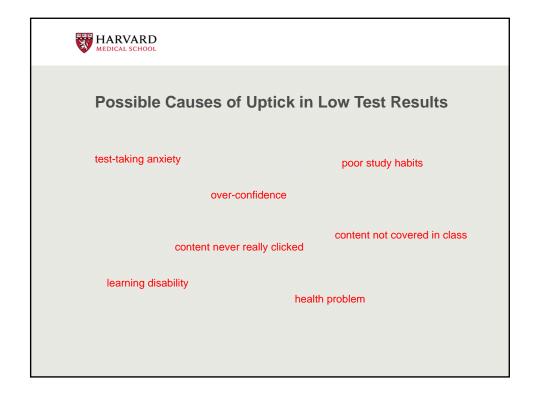


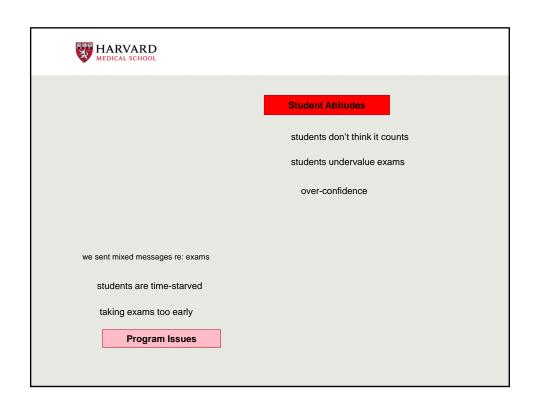


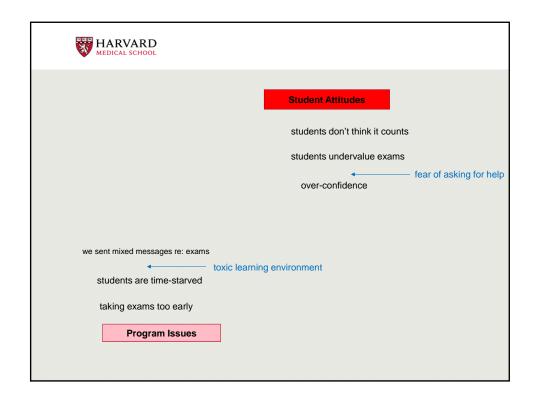


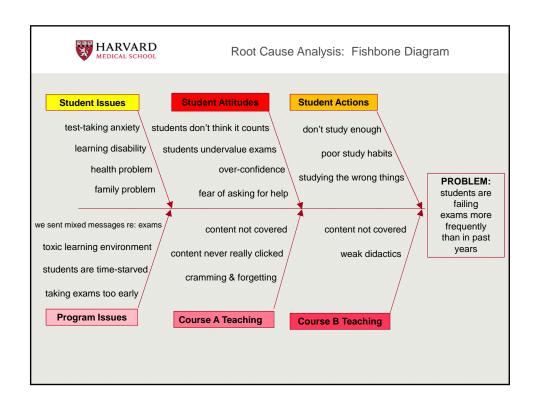
SCENARIO A: Getting to the Root Cause

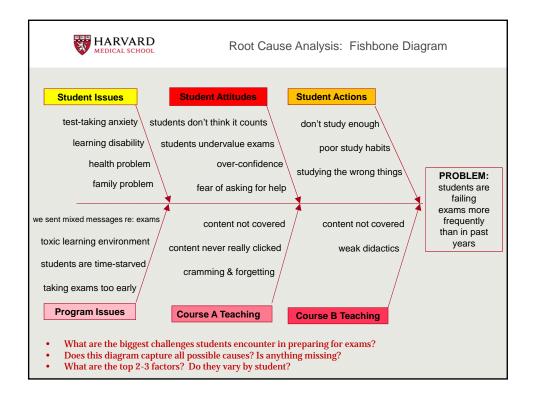
Trainees in your program must take and pass standardized tests in order to advance to the next phase of the curriculum. These tests are multiple choice questions that test their fund of knowledge. You have seen a gradual but sustained uptick in the share of students who are not passing these tests. Before you can test interventions, you need to identify the root cause.







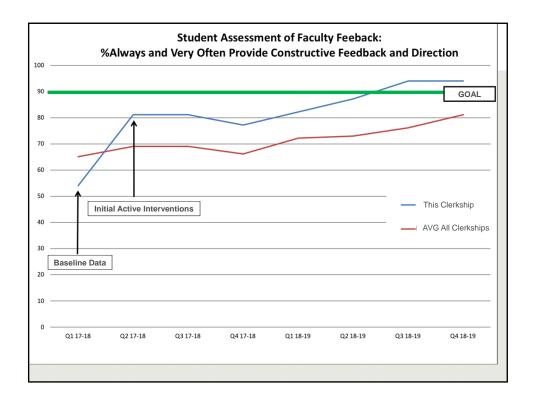






SCENARIO B: Spreading Best Practices

Your institution aims to foster a supportive learning environment for your trainees, yet student surveys reveal substantial room for improvement in the learning environment in many courses/clerkships. Luckily, one clerkship has shown a remarkable improvement in this metric. You reach out to the clerkship director to see if you find some best practices to scale out to other clerkships.



AY 2017-18		IN	METRIC: Faculty Provide Constructive Feedback & Direction (% ALWAYS & VERY OFTEN)				
						this site	all sites
Q1	Kick-Off meeting: Share Initial Benchmark Data	Assess Current Practices & Plan				54	65
Q2	Share Data with Faculty; Ask them to provide Face to Face Feedback to all Students	Create required form for student feedback				81	69
Q3	Start reading quotes from attendigns to students	Create QR codes so forms are easier to pull up	Share Benchmark Data with Residents	Academy Session on Writing Effective Narratives		81	69
Q4	Add module on feedback at student orientation	Changed feedback from for Residents: Keep Doing, Change, Start Doing	Add tips for effective feedback to feedback request emails to residents	Train Residents on Writing Effective Narratives	New mid-clerkship form with prompts to remind students to seek feedback.		66
AY2018-19							
Q1	Present LE Benchmark Data					82	72
Q2						87	73
Q3	Academy Session on Cultivating Effective Feedback Seeking Behaviors					94	76
Q4	Training on Writing Effective Narratives					94	81

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AY 2017-18	DATA SHARING	PROTOCOL	FORMS	TRAIN Fac/Staff	TRAIN Students	this site	all sites
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Reflection Exercise (3 mins)

Working alone, please identify 1 or 2 educational challenges you are currently facing in your work where QI may help and note them on your worksheet



Educational CQI in the HMS MD Program

Refining Curricular Content

- Is the volume / pace of material manageable?
- Are there redundancies / gaps?
- Are the course materials effective?
- Are the students able to build on prior material?
- Are they ready for the next phase?

Assessing and Improving Pedagogy

- Are faculty providing timely and actionable feedback to learners?
- How can instructors foster an inclusive learning environment?
- What common teaching challenges do instructors face?
- Which instructors might benefit from peer coaching?

Assessing Student Progress

- How can we consistently rate levels of student mastery in clinical skills?
- How can we assess student progress over time (trajectory)?
- How should we set thresholds for advancement?

Advising & Learning Support

- How can we identify learners who could benefit from additional support without "labelling" students?
- How can we foster student ownership of their areas for improvement?
- What is the best approach to providing learning support?



Group Exercise (10 mins)

- Please share ONE of the <u>educational</u> challenges you've identified with your table
- Each table should select among the 3-6 challenges shared and focus on ONE educational challenge to work on as a group
- As a group, please use the frameworks in your handout to flesh out key steps in the educational QI cycle for the ONE project you selected



Implementing Educational CQI: Common Challenges

- Finding time for CQI
- Resisting the Urge to Jump to Solutions... when you may have the wrong root cause
- Accessing data
- · Poor quality data
- Analytical capacity
 - > framing questions
 - > using data
- Building buy-in/avoiding finger-pointing
- Implementing tested solutions consistently & universally



Next Steps:

- Chances are you are already pursuing QI. It only requires a small step to surface/formalize/measure it using the QI framework... and you can publish it!
- Mentally commit to one follow-up step note it on your worksheet!
- Connect with the <u>BCH Academy</u> if you'd like guidance in framing a QI project <u>BCHacademy@childrens.harvard.edu</u>
- Please fill out your session evaluation (to be sent via email)

Thank You!

Questions?



