Update on CBME

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OBJECTIVES

1. Provide update on activities and plans for CBME



WHAT IS COMPETENCY-BASED MEDICAL EDUCATION (CBME)?

CBME is an educational model:

Post MD Education

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- More oriented to outcomes rather than time in training (i.e. what trainee can DO)
- More flexible to learners' prior skills and current needs
- Training using a coaching approach with more regular feedback to improve
- Enhanced tracking of learners' progress and performance

Two 'brands' of CBME in Canada

- CBD or Competency by Design
 - Royal College's approach to CBME
 - Rollout for approx 80 specialties in 7 cohorts over next decade
 - 2 programs (Medical Oncology & Otolaryngology – Head and Neck Surgery) will start field testing in16-17
- Triple C Competency Based Curriculum
 - CFPC approach implemented in 2011



ROLE OF ASSESSMENT

In CBME, important tools to improving competence:

- Frequent workplace assessments
- Coaching
- Feedback

Assessment is also a valuable tool for learning

Assessments for learning Assessments of learning



CBME models

- 'pure CBME' (ortho cCBC model version 1.0)
- Mixed model (ortho cCBC model version 2.0)
- CBD
- CBA



Cases

- Orthopedic Surgery
- Palliative Medicine
- Psychiatry
- Diagnostic Radiology
- Surgical Foundations
- ObGyn



CBD FEATURES

- Mixed model of CBME
- 4 stages of residency education
- Outcomes and competencies defined via EPAs and milestones
- Specialty documents:
 - Nationally approved/required EPAs
 - Nationally approved Required Training Experiences
- Documentation of individual progress & program compliance (i.e. accreditation)
- Staged implementation over 10 year period



COMPETENCE & COMPETENCIES

Competence (outcome, standard)

- Is the array of abilities across multiple domains or aspects of physician performance in a certain context
- Is multi-dimensional and dynamic
- Changes over time, experience, and setting

Competencies (ingredients)

 "An observable ability of a health professional, integrating multiple components such as knowledge, skills, values and attitudes.

Frank JR, Snell L, ten Cate O, Holmboe ES, Carraccio C, Swing SR, et al. Competency-based medical education: theory to practice. Med Teacher. 2010;32:638-45



ENTRUSTABLE PROFESSIONAL ACTIVITIES (EPAs)

'a critical part of professional work that can be identified as a unit to be entrusted to a trainee once sufficient competence has been reached' (ten Cate, 2006)

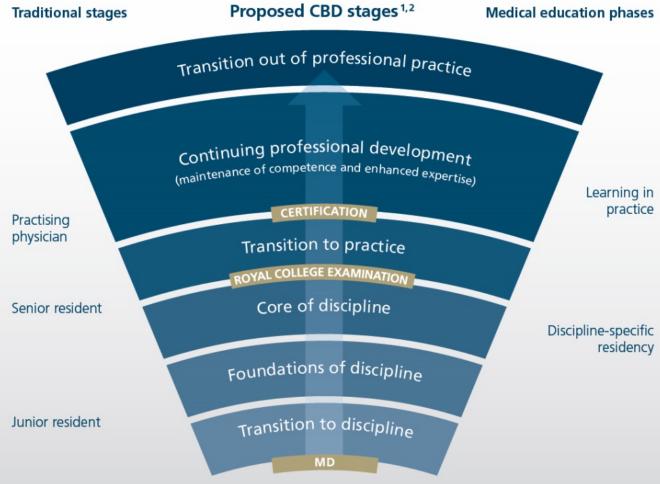
https://www.youtube.com/watch?v=hOw3 -lqL9EY





The Competence Continuum



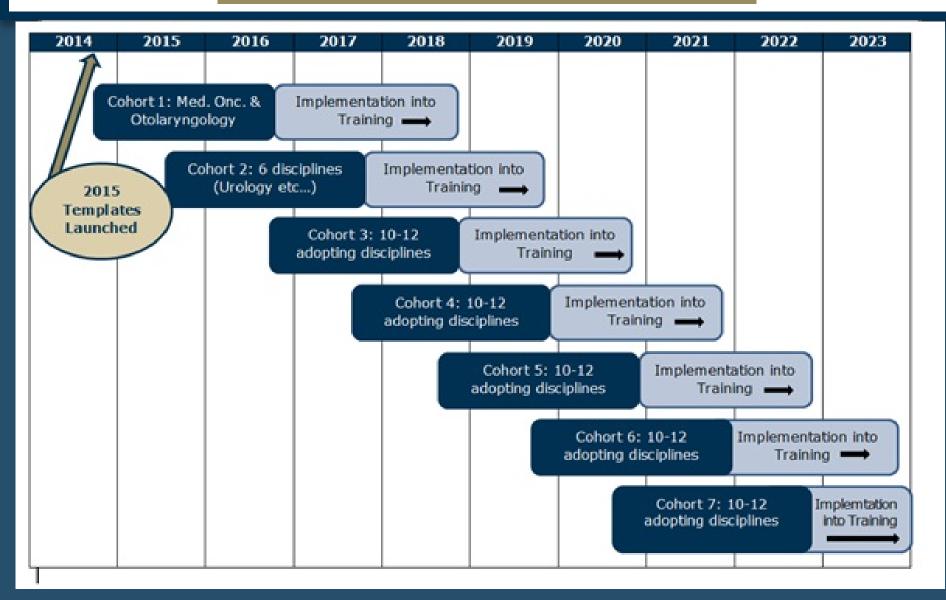


¹ Competence by Design (CBD) ² Milestones at each stage describe terminal competencies



CBD Discipline Rollout: Proposed Implementation Plan





2015	2016	2017	2018	2019	2020
Urology	Neurosurgery	General Surgery	Orthopedic Sx	Dermatology	Colorectal
Anesthesiology	Cardiac Surgery	Plastic Sx	VascularSx	Ophthalmology	Gen Surg Onc
IM	Pediatrics	Obs/Gyn	Neuro Path	Diag Rad	Thoracic Sx
GI	Anatomic Path	PMR	Neurology	Medical Genetics	Interventional Rad
Forensic Path	Gen Path	Nuclear Med	Hem Path	Public Health	Palliative Med
SFAC	Radiation Oncology	Psychiatry	Hematology	Peds EM	Pain Med
-	Emergency Medicine	Respirology	Peds Hem/Onc	GREI	Developmental Peds
9	CCM	Cardiology	Peds Sx	MFM	Neuro Rad
	GIM	Rheumatology	Clin Pharm/Tox	Gyne/Onc	Peds Rad
	Nephrology	Geriatrics	Forensic Psych	ID	Occupational Med
		NPM	Child and Ado Psy	Med Micro	Endo and Met
		CIA	Geriatric Psych	Med Biochem	
			Adolescent Med		



PRINCIPLES GUIDING U OF TIMPLEMENTATION OF CBME

- Quality of patient care will not be adversely affected.
- Math the Health care team functioning should not be negatively impacted.
- ☑ Given fiscal restraint, no additional funds are available for the implementation of CBME & CBD.



- ☑ Implementation will build on the excellence in residency education programs and practices.
- ☑ Implementation will employ best practices and apply best evidence.
- Innovation and implementation of progress will be shared early, often, and broadly, to enhance collaborations locally, nationally and internationally.
- Evaluation of structures, processes and outcomes will be used to inform needed refinements and improvements.

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WHO is responsible for implementation??? → → PARTNERSHIP

1.Residency Program

 Director, Learners, Program Admin, Residency Program Committee, Site Directors

2.Department

 Vice Chair Education, Division Chair, Faculty Development Lead,

3.PGME Office

 PGME Assoc Dean, Lead- Education Innovations Team, Post MD Dean, IT teams



3 areas of SHARED work

- Curriculum Development, Implementation & Integration (including Assessment Tools Devt & Deployment)
- Faculty Development including Learners, Teachers,
 Sites, Leaders, Colleagues
- Monitoring, Evaluation, Communication, Knowledge Translation, & Scholarship



BOOK RECOMMENDATIONS



Thanks for the Feedback

THE SCIENCE AND ART OF RECEIVING FEEDBACK WELL

even when it is off base, unfair, poorly del and, frankly, you're not in the mood

Countried National

Practice Perfect

FOREWORD BY DAN HEATH



42 Rules for Getting Better at Getting Better

DOUG LEMOV
BESTSELLING AUTHOR OF Teach Like a Champion
ERICA WOOLWAY
KATIE YEZZI

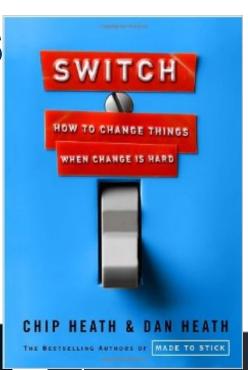
Harvard Business Essentials



COACHING AND MENTORING

How to Develop Top Talent and Achieve Stronger Performance







Edward M.
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BESTSELLING AUTHOR OF DRIVEN TO DISTRACTION

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QUESTIONS ABOUT CBME



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