Faculty perceptions of entrustable professional activities-based resident evaluations in Obstetrics and Gynecology residency

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Background

- 2014: ACGME Milestones introduced
- Incorporated into semi-annual review of resident performance
- Semi-annual report to ACGME
- Never intended to replace a program's evaluation process (although this is what has happened across the country)



Background

Patient Care	Has Not Achieved Level 1	Level 1	Level 2	Level 3	Level 4 (Graduation Target)	Level 5 (Aspirational)					
		Demonstrates a basic knowledge of normal obstetrical care and common medical complications seen in pregnancy	Resident provides complete antepartum care for women with uncomplicated pregnancies Resident recognizes basic risk factors, syptoms, and signs of common medical complications (hypertension, diabetes, infectious diseases) Recognizes basic risk factors, symptoms, and signs of common obstetrical conditions.	Resident is able to manage common medical complications (hypertension, diabetes, infectious diseases) Manages common obstetrical complications (previous C/S, abnormal fetal growth, multifetal gestation)	Demonstrates a comprehensive understanding of the varying patterns of presentation and treatment options for a variety of medical and obstetrical complications Recognizes atypical presentations of medical and obstetrical complications Identifies indications for consultation, referral, and/or transfer of care for patients with medical and obstetrical complications Effectively supervises and educates lower level residents in antepartum care Collaborates and provides consultation to other members of the health care team in antepartum care.	Resident manages patients with complex and atypical medical and obstetrical complications Applies innovative approaches to complex and atypical antepartum conditions and implements treatment plans based on emerging evidence.					
Antepartum Care and Complications of Pregnancy	0	0 (0 0 0		0					



Background

- Faculty consistently dissatisfied
 - "Time consuming to complete and try to figure out the rating scale."
 - "Cumbersome to use, unsure if it conveys appropriate feedback to the resident"
- Residents dissatisfied
 - Difficult to interpret evaluations
- Grade inflation



There must be a better way...



Entrustable Professional Activities

• "... identify the critical activities that constitute a specialty ... the activities of which we would all agree should be only carried out by a trained specialist."

ten Cate O, Scheele F. Acad Med. 2007 Jun;82(6):542-7



Entrustable Professional Activities

- Part of essential work for a qualified professional
- Requires specific knowledge, skill, attitude
- Acquired through training



Chart 1
The Two-Dimensional Matrix Relationship Between Entrustable Professional Activities (EPAs) and General Competencies*

		EPAs					
		Care of uncomplicated pregnancies	Normal delivery	Uncomplicated puerperium and neonate	The high risk complicated delivery	Perioperative care	Surgery estimated as low risk
	The ability to provide adequate patient care	•	•	•	•	•	•
səi	The possession and ability to apply medical knowledge	•	•	•	•	•	•
ACGME compet	The ability to learn from clinical practice and to improve it				•	•	
	The possession and ability to apply interpersonal and communication skills		•		•	•	
	The ability and commitment to carry out professional responsibilities	•		•		•	
	The awareness of and ability to operate optimally within the <i>context</i> , system, and resources of health care				•		•

^{*} EPAs for obstetrics—gynecology and Accreditation Council for Graduate Medical Education (ACGME) competencies are used as examples.

ten Cate O, Scheele F. Acad Med. 2007 Jun;82(6):542-7.



[†] The terminology is slightly adapted, to abide by a consequent use of competency terminology as the ability of a professional.

Levels of entrustment

Dreyfus Competencies

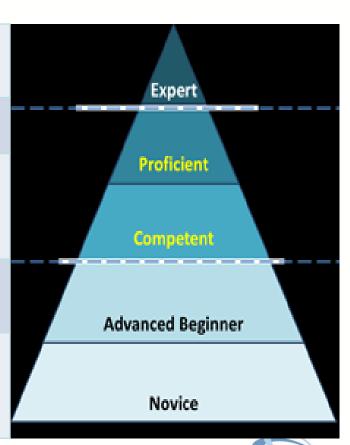
Resident may act as a supervisor and instructor

Resident may act independently

Resident may act under reactive supervision, i.e., supervision is readily available on request

Resident may act under proactive, ongoing, full supervision

Resident has knowledge and some skill, but is not allowed to perform the EPA independently





EPA Evaluation System

- Creation of rotation-specific Entrustable Professional Activities (EPA) based evaluations
- EPAs mapped to the corresponding milestones.



EPA Evaluation System

- Goals:
 - Shorter evaluations
 - Questions easy to answer
 - Provide more meaningful feedback to the residents
 - Still provide milestone date to the CCC



OB EPA

After direct observation, I trust this resident to...

Recognize and manage obstetrical emergencies.

Only with Complete Supervision	With Partial Supervision	With Minimal Supervision	Independently and supervise learners	lunovative practice
		V		



Inpatient Obstetrics - OBGYN Milestones c. 2016

☐ Insufficient contact to evaluate (delete evaluation)

bstetrical complications of pregnancy, appropriately counsels patients and makes cost iffective management plans, including consults when appropriate.	С	c	0	С		(680)
			200		С	С
Provides care and communicates plans for women with abnormal labor or complex of trapartum conditions.	c	c	C	С	c	C
Performs complicated vaginal deliveries/operative vaginal deliveries independently.	0	С	0	0	С	С
. Appropriately consents patient for and performs a complicated cesarean.	c	c	0	0	c	0
. Recognizes, repairs and manages obstetrical lacerations.	c	0	С	0	c	С
6. Recognizes and manages obstetrical emergencies.	0	О	0	0	С	0
7. Provides postpartum care and directed counseling; recognizing and managing complications while considering cost and socioeconomic barriers.	С	C	c	c	C	C
8. Manages the obstetrical service, teaching others and serving as a consultant.	0	С	0	0	С	С
Consistently models compassion, integrity and respect for others, navigates ethically complex situations and coaches others.	C	C	C	c	C	C
Comments:						A

* Required fields

Option description (place mouse over field to view)

Reset Form

Submit completed evaluation Submit





PC9-1: Verbalizes basic knowledge about common contraceptive options.

ICS1-1: Demonstrates adequate listening skills. Communicates effectively in routine clinical situations

GYN 3. Effectively manage complications of pregnancy terminations and ectopic pregnancy.

Basic knowledge but réquires complete supervision

ICS3-1: Understands
The importance of informed consent

PROF3-1:Understands
the importance of respect for
patient privacy and autonomy
Understands the ethical
principles of appropriate
physician relationships



Study Aim

To assess faculty perceptions of the milestones-based tool, the EPA-based tool, and to compare the two to determine whether the EPA-based tool represents an improvement.



Methods

- Prospective
- First anonymous survey sent to faculty
- Relevant Entrustable Professional Activities were developed and were "mapped" to the milestones



Methods

- The milestone-based evaluations tool were replaced with a new evaluation tool based on Entrustable Professional Activities
- Second anonymous online survey



- 75% of faculty completed the pre- and postintervention survey.
- Faculty overwhelmingly preferred the EPAbased evaluation system.
- Faculty consistently
 - rated the new tool as easier to use,
 - stated they better understood the rating scale
 - and said that completing the new evaluations fit better into their workday.

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Comments:

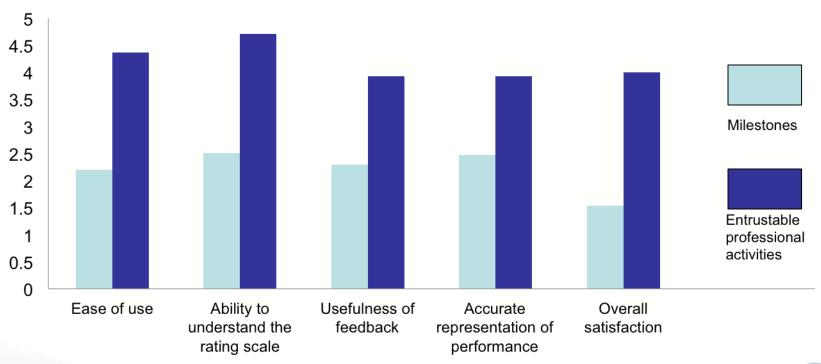
- •20% of respondents described the milestones-based tool as "cumbersome"
- •Subspecialists noted that "Most of the categories as currently written are not applicable to my subspecialty."



 Faculty described the new tool as "efficient and appropriate" and "easy to complete and focused."



Mean rating on a 5-point Likert scale of disagree (1) to strongly agree (5)





Conclusion

While semi-annual reporting of resident performance based on the milestones is required, Entrustable Professional Activities provide a more user-friendly way to complete resident evaluations, which can still be mapped to the milestones for generating semi-annual milestone reports.



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References

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Questions?

