

# **Obstetrics and Gynecology Milestones**

The Accreditation Council for Graduate Medical Education



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# **Obstetrics and Gynecology Milestones**

The Milestones are designed only for use in evaluation of residents in the context of their participation in ACGME-accredited residency programs. The Milestones provide a framework for the assessment of the development of the resident in key dimensions of the elements of physician competence in a specialty or subspecialty. They neither represent the entirety of the dimensions of the six domains of physician competency, nor are they designed to be relevant in any other context.

### **Obstetrics and Gynecology Milestones**

### Work Group

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American Board of Obstetrics and Gynecology American College of Osteopathic Obstetricians and Gynecologists Review Committee for Obstetrics and Gynecology

## **Understanding Milestone Levels and Reporting**

This document presents the Milestones, which programs use in a semi-annual review of resident performance, and then report to the ACGME. Milestones are knowledge, skills, attitudes, and other attributes for each of the ACGME Competencies organized in a developmental framework. The narrative descriptions are targets for resident performance throughout their educational program.

Milestones are arranged into levels. Tracking from Level 1 to Level 5 is synonymous with moving from novice to expert resident in the specialty or subspecialty. For each reporting period, the Clinical Competency Committee will review the completed evaluations to select the milestone levels that best describe each learner's current performance, abilities, and attributes for each subcompetency.

These levels *do not* correspond with post-graduate year of education. Depending on previous experience, a junior resident may achieve higher levels early in their educational program just as a senior resident may be at a lower level later in their educational program. There is no predetermined timing for a resident to attain any particular level. Residents may also regress in achievement of their milestones. This may happen for many reasons, such as over scoring in a previous review, a disjointed experience in a particular procedure, or a significant act by the resident.

Selection of a level implies the resident substantially demonstrates the milestones in that level, as well as those in lower levels (see the diagram on page vi).

#### **Additional Notes**

Level 4 is designed as a graduation *goal* but *does not* represent a graduation *requirement*. Making decisions about readiness for graduation and unsupervised practice is the purview of the program director. Furthermore, Milestones 2.0 include revisions and changes that preclude using Milestones as a sole assessment in high-stakes decisions (i.e., determination of eligibility for certification or credentialing). Level 5 is designed to represent an expert resident whose achievements in a subcompetency are greater than the expectation. Milestones are primarily designed for formative, developmental purposes to support continuous quality improvement for individual learners, education programs, and the specialty. The ACGME and its partners will continue to evaluate and perform research on the Milestones to assess their impact and value.

Examples are provided for some milestones within this document. Please note: the examples are not the required element or outcome; they are provided as a way to share the intent of the element.

Some milestone descriptions include statements about performing independently. These activities must occur in conformity to ACGME supervision guidelines as described in the Program Requirements, as well as to institutional and program policies. For example, a resident who performs a procedure independently must, at a minimum, be supervised through oversight.

A Supplemental Guide is also available to provide the intent of each subcompetency, examples for each level, assessment methods or tools, and other available resources. The Supplemental Guide, like examples contained within the Milestones, is designed only to assist the program director and Clinical Competency Committee, and is not meant to demonstrate any required element or outcome.

Supplemental Guides and other resources are available on the Milestones page of each specialty section of the ACGME website. On <u>www.acgme.org</u>, choose the applicable specialty under the "Specialties" menu, then select the "Milestones" link in the lower navigation bar. The diagram below presents an example set of milestones for one sub-competency in the same format as the ACGME Report Worksheet. For each reporting period, a resident's performance on the milestones for each sub-competency will be indicated by selecting the level of milestones that best describes that resident's performance in relation to those milestones.

Practice-Based Learning and Improvement 2: Reflective Practice and Commitment to Personal Growth					
Level 1	Level 2	Level 3		Level 4	Level 5
Demonstrates an openness to performance data (feedback and other input)	Demonstrates an openness to performance data and uses it to develop personal and professional goals		nce data for g personal and	Using performance data, continually improves and measures the effectiveness of one's personal and professional goals	Acts as a role model for the development of personal and professional goals
	Identifies the factors that contribute to the gap(s) between expectations and actual performance	upon the f contribute	expectations and	Analyzes, reflects on, and institutes behavioral change(s) to narrow the gap(s) between expectations and actual performance	Coaches others on reflective practice
Comments:				Not Yet C	Completed Level 1
Selecting a responsion middle of a level in milestones in that levels have been demonstrated.	mplies that level and in lower		between level in lower levels demonstrated	sponse box on the line s indicates that milesto s have been substantia as well as <b>some</b> the higher level(s).	ones

#### Practice-Based Learning and Improvement 2: Reflective Practice and Commitment to Personal Growth

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Patient Care 1: Antepar	rtum Care and Complication	s of Pregnancy	Level 4	Level 5
Demonstrates basic knowledge of normal obstetrical care and common medical complications seen in pregnancy	Provides complete antepartum care for women with uncomplicated pregnancies Recognizes basic risk factors, symptoms, and signs of common medical and obstetrical complications	Provides complete antepartum care for women with complicated pregnancies Manages common medical and obstetrical complications	Effectively supervises and educates lower- level residents in antepartum care Recognizes atypical presentations of medical and obstetrical complications; identifies indications for referral and/or transfer of care for patients with medical and obstetrical complications	Manages patients with complex and atypical medical and obstetrical complications and implements treatment plans based on emerging evidence
Comments: Not Yet Completed Level 1 Not Yet Assessable				

Patient Care 2: First-Trimester Bleeding					
Level 1	Level 2	Level 3	Level 4	Level 5	
Formulates a differential diagnosis for patients with first-trimester bleeding	Counsels patients regarding natural history, and diagnostic and treatment options	Uses non-surgical and surgical methods to manage patients with first-trimester bleeding	Manages patients with complications of first- trimester bleeding	Implements treatment plans for complex or atypical first-trimester bleeding	
Comments: Not Yet Completed Level 1 Not Yet Assessable					

Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates basic knowledge of routine/uncomplicated intrapartum obstetrical care, including conduct of normal labor	Manages normal labor	Effectively supervises and educates lower-level residents in intrapartum care for women with uncomplicated pregnancies	Provides care for women with complex intrapartum complications and conditions	Applies innovative approaches to complex and atypical intrapartum conditions and implements treatment plans based on emerging evidence
Performs basic obstetric skills (e.g., identification of fetal lie, interpretation of fetal heart rate monitoring, and tocodynamometry)	Recognizes common intrapartum complications	Manages common labor and intrapartum complications	Identifies indications for referral and/or transfer of care for patients with intrapartum complications	

Patient Care 4: Care of Patients in the Postpartum and Interconception Period					
Level 1	Level 2	Level 3	Level 4	Level 5	
Provides postpartum and interconception care for women with uncomplicated pregnancies	Recognizes basic risk factors, symptoms, and signs of common postpartum and interconception complications	Manages common postpartum complications and counsels patients about associated risk in future pregnancies	Manages patients with complex postpartum complications and identifies indications for referral and/or transfer of care in the postpartum or interconception period	Applies innovative approaches to complex and atypical postpartum and interconception conditions and implements treatment plans based on emerging evidence	
Comments: Not Yet Completed Level 1					

Patient Care 5: Obstetric Technical Skills					
Level 1	Level 2	Level 3	Level 4	Level 5	
Demonstrates basic surgical principles, including use of universal precautions and aseptic technique	Demonstrates basic obstetrical skills	Performs advanced obstetrical procedures	Performs complex obstetrical procedures	Applies innovative and complex approaches obstetrical care and implements treatment plans based on emerging evidence	
Comments:			Not Yet Co Not Yet As	ompleted Level 1	

_evel 1	Level 2	Level 3	Level 4	Level 5
Recognizes risk factors hat can lead to critical llness in an obstetric patient	Formulates an initial differential diagnosis, recognizes initial signs/symptoms of a critically ill patient (vital signs, lab abnormalities, etc.) and asks for assistance in a timely fashion	Manages and initiates treatment for a critically ill obstetric patient, including recognizing when transfer to the intensive care unit (ICU) or another service is most appropriate	Collaborates with other health care teams to facilitate care for critically ill obstetric patients	Debriefs with the members of the health care team, the patient, and the family members of a critically ill obstetric patients
Recognizes risk factors or obstetric emergencies	Recognizes obstetric emergencies and asks for assistance in a timely fashion	Manages and treats obstetric emergencies	Leads the multidisciplinary health care team in caring for patients with obstetric emergencies	Debriefs with the members of the health care team, the patient, and the patient's family members after an obstetric emergency

Patient Care 7: Peri-Procedural Care					
Level 1	Level 2	Level 3	Level 4	Level 5	
Identifies alterations in normal physiology and anatomy	Accurately and reliably gathers and reports clinical information pertaining to common peri-procedural risks and complications	Independently identifies and manages common peri-procedural risks and complications	Independently identifies and manages complex peri-procedural risks and complications	Implements measures to prevent or mitigate complications, applying effective interdisciplinary team management skills to manage multiple scenarios simultaneously	
Comments: Not Yet Completed Level 1					

Patient Care 8: Endoscopic Procedures (Hysteroscopy and Cystoscopy)					
Level 1	Level 2	Level 3	Level 4	Level 5	
Prepares patient and equipment for endoscopic procedures (e.g., lithotomy positioning, assemble endoscope)	Performs diagnostic hysteroscopy and cystoscopy	Independently performs simple operative hysteroscopic procedures	Independently performs complex operative hysteroscopic procedures	Independently performs complex hysteroscopic procedures in altered anatomy	
Comments:				Completed Level 1	

Patient Care 9: Laparoscopic Procedures					
Level 1	Level 2	Level 3	Level 4	Level 5	
Demonstrates basic skills (e.g., positioning, draping, docking, undocking)	Assists during laparoscopic procedures (e.g., port placement, bedside assistant)	Independently performs simple laparoscopic procedures	Independently performs advanced laparoscopic procedures	Independently performs uncommon complex laparoscopic procedures	
Comments:			Not Yet C Not Yet A	ompleted Level 1	

Patient Care 10: Vulvar-Vaginal Procedures					
Level 1	Level 2	Level 3	Level 4	Level 5	
Demonstrates basic skills (e.g., positioning, knot tying, suturing)	Performs simple vulvar- vaginal procedures	Performs pelvic entry for vaginal procedures and simple procedures for incontinence and prolapse	Independently performs vaginal hysterectomy and complex vulvar- vaginal procedures	Independently performs uncommon complex vulvar-vaginal procedures	
Comments:				Completed Level 1	

Patient Care 11: Open Surgical Procedures (excludes Cesarean section)					
Level 1	Level 2	Level 3	Level 4	Level 5	
Demonstrates basic skills (e.g., positioning, knot tying, suturing)	Opens and closes abdominal incisions	Independently performs simple open surgical procedures	Independently performs complex open surgical procedures	Independently performs uncommon complex open surgical procedures	
Comments:			Not Yet Co Not Yet As	mpleted Level 1	

Patient Care 12: Family Planning				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates ability to find reputable, evidence- based information on contraception choices	Counsels patients on the effectiveness, risks, benefits, and contraindications of available forms of family planning Performs medical uterine evacuation	Implements comprehensive contraception management plans for patients and manages common side effects Performs routine surgical uterine evacuation and manages complications	Implements comprehensive management plans for patients with medical conditions complicating their use of contraceptive methods Performs surgical uterine evacuation on patients with complex comorbidities and	Applies innovative and complex approaches to medical contraception and pregnancy termination, and implements treatment plans based on emerging evidence
			manages complications	
Comments: Not Yet Completed Level 1 Not Yet Assessable				

Patient Care 13: Ambulatory Gynecology and Office-Based Procedures				
Level 1	Level 2	Level 3	Level 4	Level 5
Takes a focused patient history for common ambulatory gynecologic problems	Performs the initial assessment, formulates a differential diagnosis, and initiates treatment, including performance of basic procedures for common ambulatory gynecologic problems	Formulates management plans and initiates treatment, including relevant procedures for complex ambulatory gynecologic problems	Effectively cares for patients with complex presentations and uses a multidisciplinary approach when caring for patients with complex problems	Applies innovative approaches to complex and atypical ambulatory gynecology and implements treatment plans based on emerging evidence
Comments: Not Yet Completed Level 1				

Patient Care 14: Consultations					
Level 1	Level 2	Level 3	Level 4	Level 5	
Performs consultation, with guidance	Triages consult requests	Manages consultations (including coordination of care) requiring intervention, including procedural options	Supervises lower-level residents in managing consultations (including coordination of care) requiring intervention, including procedural options	Oversees the consultation process and manages interdisciplinary systems issues affecting patient care	
Comments:				ompleted Level 1	

Medical Knowledge 1: Anatomy and Pathophysiology of Female Reproduction				
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies normal anatomy relevant to physical examination, imaging, and surgery Demonstrates knowledge of physiology of reproduction	Identifies pathologic anatomic variants as applied to physical examination and imaging Demonstrates basic knowledge of pathophysiology and clinical findings for common diseases of the reproductive system	Identifies common pathologic anatomic variants during surgery Demonstrates advanced knowledge of pathophysiology and clinical findings for common diseases of the reproductive system	Identifies complex pathologic anatomic variants during surgery Demonstrates comprehensive knowledge of the varying patterns of disease presentation, natural history, and patient outcomes	Contributes to peer- reviewed literature on the varying patterns of disease presentation, and natural history
Comments: Not Yet Completed Level 1 Not Yet Assessable				

Medical Knowledge 2: Differential Diagnosis				
Level 1	Level 2	Level 3	Level 4	Level 5
Generates a basic differential diagnosis based on patient symptoms and history	Generates a comprehensive differential diagnosis based on patient symptoms and history and interpretation of results of common diagnostic tests	Generates a prioritized differential diagnosis and selects additional testing for confirmation	Independently and efficiently synthesizes information to develop prioritized differential diagnoses in complex patient presentations and incorporates subtle, unusual, or conflicting findings	Coaches peers to develop prioritized differential diagnoses in atypical patient presentations
Comments: Not Yet Completed Level 1				

Systems-Based Practice 1: Patient Safety				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of common patient safety events	Identifies system factors that lead to patient safety events	Participates in analysis of patient safety events (simulated or actual)	Conducts analysis of patient safety events and offers error prevention strategies (simulated or actual)	Actively engages teams and processes to modify systems to prevent patient safety events
Demonstrates knowledge of how to report patient safety events	Reports patient safety events through institutional reporting systems (simulated or actual)	Participates in disclosure of patient safety events to patients and their families (simulated or actual)	Discloses patient safety events to patients and their families (simulated or actual)	Role models or mentors others in the disclosure of patient safety events
Comments: Not Yet Completed Level 1				

Systems-Based Practice 2: Quality Improvement					
Level 1	Level 2	Level 3	Level 4	Level 5	
Demonstrates knowledge of basic quality improvement methodologies and metrics	Describes local quality improvement initiatives (e.g., cancer screening rate, surgical site infection, smoking cessation)	Participates in local quality improvement initiatives	Demonstrates the skills required to identify, develop, implement, and analyze a quality improvement project	Creates, implements, and assesses quality improvement initiatives at the institutional or community level	
Comments:			Not Yet C	ompleted Level 1	

Systems-Based Practice 3: System Navigation for Patient-Centered Care - Coordination of Care				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of care coordination	Coordinates care of patients in routine clinical situations effectively using the roles of interprofessional team members	Coordinates care of patients in complex clinical situations effectively using the roles of interprofessional team members	Identifies concerns with current systems and identifies opportunities for improvement	Analyzes the process of care coordination and leads in the design and implementation of improvements
Comments:			Not Yet C	ompleted Level 1

Systems-Based Practice 4: System Navigation for Patient-Centered Care – Transitions of Care				
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies key elements for safe and effective transitions of care and hand-offs	Performs safe and effective transitions of care/hand-offs in routine clinical situations	Performs safe and effective transitions of care/hand-offs in complex clinical situations	Role models and advocates for safe and effective transitions of care/hand-offs within and across health care delivery systems, including in outpatient settings	Improves quality of transitions of care within and across health care delivery systems to optimize patient outcomes
Comments: Not Yet Completed Level 1				

Systems-Based Practice 5: Community and Population Health				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of community and population health needs and inequities	Identifies specific population and community health needs and inequities for the local population, taking into account social and structural determinants of health	Uses local resources effectively to meet the needs of a patient population and community	Participates in changing and adapting practice to provide for the needs of specific populations	Leads innovations and advocates for populations and communities with health care inequities
Comments: Not Yet Completed Level 1				

Systems-Based Practice 6: Physician Role in Health Care Systems				
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies key components of the complex health care system (e.g., hospital, skilled nursing facility, finance, personnel, technology)	Describes how components of a complex health care system are interrelated and how this impacts patient care	Discusses how individual practice affects the broader system (e.g., length of stay, readmission rates, clinical efficiency)	Manages various components of the complex health care system to provide efficient and effective patient care and transitions of care	Advocates for or leads systems change that enhances high-value, efficient, and effective patient care and transitions of care
Comments:			Not Yet C	completed Level 1

Practice-Based Learning and Improvement 1: Evidence-Based and Informed Practice				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates how to access and use available evidence and incorporate patient preferences and values to the care of a routine patient	Articulates clinical questions and elicits patient preferences and values to guide evidence- based care, with guidance from other health care team members	Locates and applies the best available evidence, integrated with patient preferences, to the care of complex patients, with minimal guidance	Critically appraises and applies evidence, even in the face of uncertainty and conflicting evidence, to guide care tailored to the individual patient	Coaches others to critically appraise and apply evidence for complex patients and/or participates in the development of guidelines
Comments: Not Yet Completed Level 1				

Level 1	Level 2	Level 3	Level 4	Level 5
Identifies gap(s) between expectations and actual performance	Analyzes and reflects on the factors that contribute to gap(s) between expectations and actual performance	Institutes behavioral change(s) to narrow the gap(s) between expectations and actual performance	Continuously reflects on remaining gaps and institutes behavioral adjustments to narrow them	Coaches others on reflective practice
Establishes goals for personal and professional development	Identifies opportunities for performance improvement; designs a learning plan	Integrates practice data and feedback with humility to implement a learning plan	Uses performance data to measure the effectiveness of the learning plan and adapts when necessary	Coaches others in the design and implementation of learning plans

Professionalism 1: Profe	ssional Behavior			
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies and describes potential triggers for professionalism lapses and how to appropriately report professionalism lapses	Demonstrates insight into professional behavior in routine situations and takes responsibility for one's own professionalism lapses	Demonstrates professional behavior in complex or stressful situations	Recognizes situations that may trigger professionalism lapses and intervenes to prevent lapses in oneself and others	Coaches others when their behavior fails to meet professional expectations
Comments:			Not Yet C	ompleted Level 1

Professionalism 2: Ethic	al Principles			
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of ethical principles	Analyzes straightforward situations using ethical principles	Recognizes the need to seek help in managing and resolving complex ethical situations	Recognizes and uses appropriate resources for managing and resolving ethical dilemmas as needed and identifies system- level issues that induce or exacerbate ethical problems	Seeks to address system- level factors that induce or exacerbate ethical problems or impede their resolution
Comments:			Not Yet C	ompleted Level 1

Professionalism 3: Acco	untability/Conscientiousne	SS		
Level 1	Level 2	Level 3	Level 4	Level 5
Takes responsibility for failure to complete tasks and responsibilities, identifies potential contributing factors, and describes strategies for ensuring timely task completion in the future	Performs tasks and responsibilities in a timely manner with appropriate attention to detail in routine situations	Performs tasks and responsibilities in a timely manner with appropriate attention to detail in complex or stressful situations	Recognizes situations that may impact others' ability to complete tasks and responsibilities in a timely manner	Recognizes one's own role in leading the care of all patients on the service while mentoring/coaching other team members to ensure the best possible care of patients, including prioritizing tasks and mitigating burnout
Responds promptly to requests or reminders to complete tasks and responsibilities	Recognizes situations that may impact one's own ability to complete tasks and responsibilities in a timely manner	Proactively implements strategies to ensure that the needs of patients, teams, and systems are met		
Comments:			Not Yet C	ompleted Level 1

Professionalism 4: Well-	Being			
Level 1	Level 2	Level 3	Level 4	Level 5
Recognizes status of personal and professional well-being, with assistance	Independently recognizes status of personal and professional well-being	With assistance, proposes a plan to optimize personal and professional well-being	Independently develops a plan to optimize personal and professional well-being	Coaches others when emotional responses or limitations in knowledge/skills do not meet professional expectations
Comments:	tended to evaluate a resident's v			ompleted Level 1

factors that impact well-being, the mechanism by which those factors impact well-being, and available resources and tools to improve well-being.

Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates respect and establishes rapport with patients and patients' families (e.g., situational awareness of language, disability, health literacy level, cultural differences)	Establishes a therapeutic relationship in straightforward encounters	Establishes a therapeutic relationship in challenging encounters (e.g., shared decision-making)	Facilitates difficult discussions specific to conferences with patients and patients' families (e.g., end-of- life, explaining complications, therapeutic uncertainty)	Mentors others in situational awareness and critical self-reflection
Communicates with patients and their families in an understandable and respectful manner	Identifies barriers to effective communication (e.g., health literacy, cultural differences)	When prompted, reflects on personal biases while attempting to minimize communication barriers	Independently recognizes personal biases while attempting to proactively minimize communication barriers	Coaches others in the facilitation of crucial conversations

Interpersonal and Comm	unication Skills 2: Patient	Counseling and Shared De	cision-Making	
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates basic understanding of the informed consent process	Answers questions about the treatment plan and seeks guidance when appropriate	Counsels patients through the decision-making process, including responding to questions, for simple clinical problems	Counsels patients through the decision- making process, including responding to questions, for complex clinical problems	Counsels patients through the decision-making process, including responding to questions, for uncommon clinical problems
Comments:			Not Yet C	ompleted Level 1

Level 1	Level 2	Level 3	Level 4	Level 5
Understands and respects the role and function of interprofessional team members	Solicits insights from and uses language that values all interprofessional team members	Integrates contributions from interprofessional team members into the care plan	Prevents and mediates conflict and distress among interprofessional team members	Fosters a culture of open communication and effective teamwork within the interprofessional team
Understands and respects the role and function of other health care team members	Solicits insights from other health care team members using language that values all members	Integrates contributions from other health care team members into the care plan	Addresses conflict and distress among other health care team members in complex patient situations	Attends to individual and team distress and promotes resilience among other health care teams

Level 1	Level 2	Level 3	Level 4	Level 5
Accurately records information in the patient record	Demonstrates organized diagnostic and therapeutic reasoning through notes in the patient record	Concisely reports diagnostic and therapeutic reasoning in the patient record in an efficient manner	Communicates clearly, concisely, on time, and in an organized written form, including providing anticipatory guidance	Models feedback to improve others' written communication
Safeguards patient personal health information	Documents required data in formats specified by institutional policy	Appropriately selects direct (e.g., telephone, in- person) and indirect (e.g., progress notes, text messages) forms of communication based on context	Produces written or verbal communication (e.g., patient notes, emails) that serves as an example for others to follow	Guides departmental or institutional communication around policies and procedures