

Adult Cardiothoracic Anesthesiology Milestones

The Accreditation Council for Graduate Medical Education



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Adult Cardiothoracic Anesthesiology Milestones

The Milestones are designed only for use in evaluation of fellows in the context of their participation in ACGME-accredited residency or fellowship programs. The Milestones provide a framework for the assessment of the development of the fellow 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.

Adult Cardiothoracic Anesthesiology Milestones Work Group

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American Board of Anesthesiology

Review Committee for Anesthesiology

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Understanding Milestone Levels and Reporting

This document presents the Milestones, which programs use in a semi-annual review of fellow 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/fellow 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 fellow 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 fellow may achieve higher levels early in the educational program just as a senior fellow may be at a lower level later in the educational program. There is no predetermined timing for a resident to attain any particular level. Fellows 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 fellow.

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

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 fellow 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.

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 fellow 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.

Additional resources are available in the <u>Milestones</u> section of the ACGME website. Follow the links under "What We Do" at <u>www.acgme.org</u>.

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.

Patient Care 1: Peri-Proc	edural Assessment and Ma	anagement			
Level 1	Level 2	Level 3		Level 4	Level 5
Performs pre-procedural evaluation of patients with common cardiothoracic disease	Performs pre-procedural evaluation of patients with complex and less common cardiothoracic disease	Performs and inter the pre-procedural evaluation and mal recommendations t optimization of pati with complex and lo common cardiothol disease	kes for ents ess	Serves as the consultant anesthesiologist in pre- procedural care	Leads the interprofessional care team in the peri-operative management of patients with complex and less common cardiac conditions for cardiac and non-cardiac surgery
Identifies the components of a pain management plan for patients undergoing cardiothoracic surgery	Implements a simple peri- operative pain management plan	Identifies patients w history of chronic p who require a mod peri-operative pain management plan	ain ified	Implements the anesthetic plan for patients with complex pain history and polypharmacy	In collaboration with other specialists, develops protocols for multimodal analgesia plan for patients with a complex pain history and substance use disorder (SUD)
				\mathbf{N} \Box \Box	
Comments:					Completed Level 1
	/ \				
Selecting a resp middle of a level milestones in tha levels have been demonstrated.	implies that at level and in lower		betwo in low demo	cting a response box een levels indicates ver levels have beer onstrated as well as tones in the higher l	that milestones substantially some

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Level 1	Level 2	Level 3	Level 4	Level 5
Performs pre-procedural evaluation of patients with common cardiothoracic disease	Performs pre-procedural evaluation of patients with complex and less common cardiothoracic disease	Performs and interprets the pre-procedural evaluation and makes recommendations for optimization of patients with complex and less common cardiothoracic disease	Serves as the consultant anesthesiologist in pre- procedural care	Leads the interprofessional care team in the peri-operative management of patients with complex and less common cardiac conditions for cardiac and non-cardiac surgery
Identifies the components of a pain management plan for patients undergoing cardiothoracic surgery	Implements a simple peri- operative pain management plan	Identifies patients with a history of chronic pain who require a modified peri-operative pain management plan	Implements the anesthetic plan for patients with complex pain history and polypharmacy	In collaboration with other specialists, develops protocols for multimodal analgesia plan for patients with a complex pain history and substance use disorder (SUD)

Patient Care 2: Technica	al/Procedural Skills – Trans	esophageal Echocardiogra	phy (TEE)		
Level 1	Level 2	Level 3	Level 4	Level 5	
Acquires a basic TEE exam using basic ultrasound modalities	Acquires a comprehensive 2D TEE exam, with assistance	Acquires a comprehensive 2D TEE exam	Acquires a comprehensive TEE exam, including use of advanced modalities	Serves as a departmental resource for challenging TEE exams	
Identifies normal anatomy and basic pathology on TEE imaging	Performs broad quantification of TEE imaging	Performs and interprets a comprehensive quantified TEE exam	Integrates TEE exam to guide standard surgical decision-making and clinical care	Integrates TEE exam within clinical context and existing patient data to guide complex surgical decision-making and clinical care	
Comments:	Comments: Not Yet Completed Level 1				

		Level 3	Level 4	Level 5
bronchoscopic exam and dentifies the anatomy	Performs a bronchoscopic exam and identifies complex anatomy and basic pathology	Performs bronchoscopic evaluation to diagnose and manage airway pathology	Advises and supervises others with bronchoscopy in routine clinical situations	Advises and supervises others with difficult bronchoscopy in complex clinical situations
solation in standard	Establishes lung isolation in standard situations and troubleshoots problems	Manages complex lung isolation, with assistance	Manages complex lung isolation using multiple modalities	Advises and supervises others with complex lung isolation strategies

Patient Care 4: Technica	al/Procedural Skills – Vascu	lar Access			
Level 1	Level 2	Level 3	Level 4	Level 5	
Performs basic radial artery cannulation procedures	Performs complex radial artery cannulation procedures	Performs arterial cannulation at various locations (e.g., femoral, axillary)	Performs complex arterial cannulation at various locations (e.g., femoral, axillary)	Serves as a departmental resource for challenging arterial cannulation procedures	
Performs basic right internal jugular central venous cannulation procedures	Performs complex right internal jugular central venous cannulation procedures	Performs central venous cannulation at various locations (e.g., subclavian, left internal jugular, femoral)	Performs complex central venous cannulation at various locations (e.g., subclavian, left internal jugular, femoral)	Serves as a departmental resource for challenging central venous cannulation procedures	
Identifies relevant vascular access anatomy and uses ultrasound in vascular access procedures	Interprets ultrasound to optimize technique and reduce complications in vascular access procedures	Independently conducts and interprets complex vascular access ultrasound (e.g., intravenous)	Advises and supervises others with ultrasound for vascular access	Serves as a departmental resource for challenging vascular access ultrasound	
Comments:	Comments: Not Yet Completed Level 1				

	Procedures not Involving E	xtracorporeal Circulation	Level 4	Level 5
Level 1 Demonstrates a basic understanding of catheter-based structural heart procedures, including electrophysiology procedures	Creates an appropriate care plan for a patient presenting for catheter- based structural heart/electrophysiology interventions	Level 3 Manages patient pathophysiology and anesthetic support for transcatheter procedures	Responds to intra- operative events/complications specifically associated with a given catheter structural heart intervention/advanced electrophysiology procedure	Consults with multidisciplinary teams for selection and peri- operative planning for patients undergoing structural heart intervention (e.g., transcatheter aortic valve insertions, mitral valve clipping)
Identifies abnormal echocardiographic findings commonly treated with transcatheter interventions	Performs qualitative and quantitative echocardiographic assessment of pathology for transcatheter procedures	Describes the necessary echocardiographic support for the technical aspects of the catheter- based procedure and predictors for successful transcatheter procedures	Assesses (interprets) echocardiographic imaging relevant to the transcatheter procedure	Utilizes intra-operative echocardiography to guide and lead catheter- based procedures (e.g., advising on device deployment)
Comments:			Not Yet Co	ompleted Level 1

Patient Care 6: Aortic Surgery				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates appropriate hemodynamic management of acute and chronic aortic pathology	Creates an appropriate anesthetic plan for both endovascular and open aortic surgical interventions	Manages the intra- operative care of aortic surgical patients for open and endovascular aortic surgical procedures	Manages the intra- operative care of complex aortic surgical patients, including anesthetic planning	Consults for multidisciplinary peri- operative best practices for management of aortic surgical patients
Identifies the need for and basic components of spinal cord and cerebral protection during aortic surgery	Identifies the specific indicators for risk to spinal cord perfusion and cerebral ischemia during endovascular and open aortic surgical procedures	Integrates neuromonitoring and spinal cord perfusion techniques into patient care during open and endovascular aortic surgeries	Analyzes neuromonitoring information and spinal cord perfusion optimization to manage peri-operative ischemic events during aortic surgery	Contributes to planning and utilizing advanced techniques to prevent spinal and cerebral protection during aortic surgery
Identifies the potential of coagulopathy during aortic surgery	Understands utilization of laboratory data in diagnosing coagulopathy during aortic surgery	Manages peri-operative coagulopathy by integrating laboratory data and appropriate therapy	Manages coagulopathy during aortic surgery with goal-directed therapy, and utilizes progressive therapies, such as concentrates, during aortic surgery	Creates protocols for goal directed management of coagulopathy and transfusion during aortic surgery
Comments:			Not Yet C Not Yet A	ompleted Level 1

Level 1	Level 2	Level 3	Level 4	Level 5
Discusses the basic principles and indications for cardiopulmonary bypass (CPB)	Guides a patient on and off CPB with assistance	Guides a patient on and off routine CPB	Guides a patient on and off complex CPB	Develops policies with the interdisciplinary team to guide institutional CPB protocols
	Uses available	Integrates available	Integrates available	•
Discusses the basic	hemodynamic data to	hemodynamic and	hemodynamic and	
principles and indications	guide a patient on and off	echocardiographic data to	echocardiographic data	
for circulatory assist	circulatory assist devices,	guide a patient on and off	to guide a patient on	
devices	with assistance	circulatory assist devices,	and off circulatory assist	
		with assistance	devices	

Level 1	Level 2	Level 3	Level 4	Level 5
Describes components and physiology of CPB	Describes components and physiology of extracorporeal circulation and ventricular assist devices	Demonstrates knowledge of CPB, extracorporeal membrane oxygenation (ECMO), and ventricular assist device (VAD) management in standard situations	Demonstrates knowledge of CPB, ECMO, and VAD management in atypical situations	Is recognized as a departmental resource in extracorporea circulation
Describes physiologic effects of intra-aortic balloon counter-pulsation	Describes the components and physiology of percutaneous circulatory assist devices	Demonstrates knowledge of percutaneous circulatory assist device management in standard situations	Demonstrates knowledge of percutaneous circulatory assist device management in atypical situations	Is recognized as a departmental resource for complex circulatory assist devices

Medical Knowledge 2: Non	-Ultrasound-Based Cardiovas	cular/Pulmonary Imaging and	d Monitoring	
Level 1	Level 2	Level 3	Level 4	Level 5
Interprets data from non- invasive cardiac imaging and monitoring (e.g., electrocardiogram (ECG), stress testing, magnetic resonance imaging (MRI), computed tomography (CT) scans) to guide routine clinical decision-making	Interprets data from non- invasive cardiac imaging and monitoring to guide intermediate complexity clinical decision-making	Integrates data from non- invasive cardiac imaging and monitoring to guide advanced clinical decision- making	Integrates data from non- invasive cardiac imaging and monitoring, including tools used infrequently outside of cardiothoracic surgery, to guide advanced clinical decision- making	Is recognized as a departmental resource for cardiovascular/pulmonary imaging and monitoring
Interprets data from invasive cardiac imaging and monitoring to guide routine clinical decision- making	Interprets data from invasive cardiac imaging and monitoring to guide intermediate complexity clinical decision-making	Integrates data from invasive cardiac imaging and monitoring to guide advanced clinical decision- making	Integrates data from invasive cardiac imaging and monitoring, including tools used infrequently outside of cardiothoracic surgery, to guide advanced clinical decision- making	Develops departmental protocols for cardiovascular/pulmonary imaging and monitoring
Interprets data from pulmonary imaging and monitoring to guide routine clinical decision-making	Interprets data from pulmonary imaging and monitoring to guide intermediate complexity clinical decision-making	Integrates data from pulmonary imaging and monitoring to guide advanced clinical decision- making	Integrates data from pulmonary imaging and monitoring, including tools used infrequently outside of cardiothoracic surgery, to guide advanced clinical decision-making	
Comments:			Not Yet Co Not Yet As	ompleted Level 1

Medical Knowledge 3: Ultrasound-Based Imaging and Monitoring				
Level 1	Level 2	Level 3	Level 4	Level 5
Recognizes all views of a comprehensive TEE exam	Demonstrates knowledge of ultrasound physics sufficient to optimize TEE image quality and limit artifacts, and performs a comprehensive exam	Interprets quantitative and qualitative findings on TEE images within a comprehensive exam	Interprets quantitative and qualitative findings on TEE images using advanced modalities and describes their use when integrated with a clinical picture to form a diagnosis	Is recognized (through scholarship or education of others) as an expert resource in peri-operative TEE
Demonstrates knowledge of standard TTE views	Differentiates normal findings from pathology on standard TTE images	Interprets abnormal findings on targeted TTE images	Integrates multiple complimentary TTE views with the clinical picture to form a diagnosis	Serves as a departmental resource for complex TTE exam interpretation
Demonstrates knowledge of typical non-cardiac point-of-care ultrasound (POCUS) views	Recognizes normal structures and basic pathology on targeted POCUS exams	Interprets abnormal findings on POCUS	Integrates POCUS findings to form a diagnosis	Participates in the development of institutional protocols for POCUS
Comments:			Not Yet Co Not Yet As	ompleted Level 1

Medical Knowledge 4: Ca	ardiovascular/Thoracic Pat	hophysiology		
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of common cardiothoracic pathophysiology and applies this knowledge during non-cardiac and cardiac surgical peri- operative patient care	Demonstrates knowledge of complex cardiothoracic pathophysiology, including adult congenital heart disease, during non- cardiac and cardiac surgical peri-operative patient care	Applies advanced understanding of complex cardiothoracic pathophysiology, including adult congenital heart disease, during cardiac and non-cardiac surgical peri-operative care	Analyzes the impact of advanced cardiothoracic pathophysiology while preparing patient- specific peri-operative patient management plans	Demonstrates expertise in the field of advanced cardiothoracic pathophysiology confirmed by scholarly activity, including publication, presentation, or the advanced education of others
Comments:				ompleted Level 1

Medical Knowledge 5: D	iagnostic and Therapeutic I	Interventions		
Level 1	Level 2	Level 3	Level 4	Level 5
Interprets information from common pre- operative cardiothoracic diagnostic studies	Interprets and integrates information from common pre-operative cardiothoracic diagnostic studies to guide anesthetic management	Interprets and integrates information from pre- and intra-operative advanced cardiothoracic diagnostic studies to anticipate procedural decision- making, and to guide anesthetic management	Interprets and integrates complex information from pre- and intra-operative advanced cardiothoracic diagnostic studies to anticipate and influence procedural decision- making, and to guide anesthetic management	Is recognized (through scholarship or education of others) as an expert resource in advanced understanding of complex cardiothoracic diagnostic studies and/or in collaboration and influence on procedural planning and conduct
Recognizes anesthetic implications of routine cardiothoracic therapeutic procedures	Anticipates anesthetic implications of cardiothoracic therapeutic procedures	Anticipates anesthetic implications of cardiothoracic therapeutic procedures and assesses risks and benefits of different techniques	Anticipates anesthetic implications of complex and less common cardiothoracic therapeutic procedures, and assesses risks and benefits of different techniques in collaboration with the interventional team	
Comments:			Not Yet Co Not Yet As	ompleted Level 1

cts analysis of safety eventsActively engages teams and processes to modify systems to prevent patient safety eventscion strategies ted or actual)Actively engages teams and processes to modify systems to prevent patient safety events
es patient safety to patients and s' families ted or actual)
strates the skills d to identify, o, implement, alyze a quality ement project Creates, implements, an assesses quality improvement initiatives a the institutional level or above
d >, al

Systems-Based Practice	e 2: System Navigation for F	Patient-Centered 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	Role models effective coordination of patient- centered care among different disciplines and specialties	Analyzes the process of care coordination and participates in the design and implementation of improvements
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	Improves quality of transitions of care within and across health care delivery systems to optimize patient outcomes
Demonstrates knowledge of population and community health needs and inequities	Identifies specific population and community health needs and inequities for the local population	Uses institutional 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	Advocates for populations and communities with health care inequities in the peri-operative setting
Comments:			Not Yet C	ompleted Level 1

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 they impact 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
States factors impacting the costs of anesthetic care	Documents anesthetic detail to facilitate accurate billing and reimbursement	Explains the impact of documentation on billing and reimbursement	Practices and advocates for cost- effective patient care	Engages in external activities related to advocacy for cost- effective care

Practice-Based Learning	and Improvement 1: Evide	ence-Based and Informed P	Practice	
Level 1	Level 2	Level 3	Level 4	Level 5
Accesses and uses current evidence in routine patient care	Articulates clinical questions and elicits patient preferences and values to guide evidence- based care	Locates and applies the best available evidence, integrated with patient preference, to the care of complex patients	Appraises and applies evidence, even in the face of uncertainty and conflicting evidence, to guide individualized care	Coaches others to appraise and apply evidence for complex patients and/or participates in the development of guidelines
Comments:			Not Yet C	ompleted Level 1

Practice-Based Learning	and Improvement 2: Refle	ctive Practice and Commit	ment to Personal Growth		
Level 1	Level 2	Level 3	Level 4	Level 5	
Accepts responsibility for personal and professional development by establishing goals	Demonstrates openness to performance data (feedback and other input) to inform goals	Seeks performance data episodically, with adaptability and humility	Intentionally seeks performance data consistently, with adaptability and humility	Role models consistently seeking performance data with adaptability and humility	
Identifies the factors that contribute to performance deficits	Analyzes and acknowledges the factors that contribute to performance deficits	Institutes behavioral change(s) to improve performance	Considers alternatives to improve performance	Models reflective practice	
Actively seeks opportunities to improve	Designs and implements a learning plan, with prompting	Independently creates and implements a learning plan	Integrates performance data to adapt the learning plan	Facilitates the design and implementation of learning plans for others	
Comments:			Not Yet C	ompleted Level 1	

Level 1	Level 2	Level 3	Level 4	Level 5
Identifies potential triggers for professionalism lapses	Demonstrates insight into professional behavior in routine situations	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
Describes when and how to report lapses in professionalism	Takes responsibility for one's own professionalism lapses	Recognizes the need to seek help in managing and resolving complex interpersonal situations	Actively solicits help and acts on recommendations to resolve complex interpersonal situations	
Demonstrates knowledge of the ethical principles underlying patient care	Analyzes straightforward situations using ethical principles	Analyzes complex situations using ethical principles	Recognizes and utilizes resources for managing and resolving ethical dilemmas	Identifies and seeks to address system-level factors that induce or exacerbate ethical problems or impede their resolution

Professionalism 2: Acco	ountability/Conscientiousne	ess		
Level 1	Level 2	Level 3	Level 4	Level 5
Responds promptly to requests or reminders to complete tasks	Performs tasks and responsibilities in a timely manner	Performs tasks and responsibilities in a timely manner with appropriate attention to detail in routine situations	Prioritizes tasks and responsibilities in a timely manner with appropriate attention to detail in complex or stressful situations	Designs and implements an institutional systems approach to ensure timely task completion and shared responsibility
Takes responsibility for failure to complete tasks	Recognizes situations that may impact one's own ability to complete tasks and responsibilities in a timely manner	Takes responsibility for tasks not completed in a timely manner and identifies strategies to prevent recurrence	Proactively implements strategies to ensure that the needs of patients, teams, and systems are met	
Comments:			Not Yet C	ompleted Level 1

Professionalism 3: Well-	Being	_	_	
Level 1	Level 2	Level 3	Level 4	Level 5
Recognizes the importance of addressing personal and professional well-being	Lists available resources for personal and professional well-being	With assistance, proposes a plan to promote personal and professional well-being	Independently develops a plan to promote personal and professional well-being	Creates institutional-level interventions that promote colleagues' well-being
	Describes institutional resources that are meant to promote/support well- being	Recognizes which institutional factors affect well-being	Describes institutional factors that positively and/or negatively affect well-being	Describes institutional programs designed to examine systemic contributors to burnout
Comments:			Not Yet C	ompleted Level 1

This subcompetency is not intended to evaluate a fellow's well-being. Rather, the intent is to ensure that each fellow has the fundamental knowledge of factors that affect well-being, the mechanisms by which those factors affect well-being, and available resources and tools to improve well-being.

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Interpersonal and Comm	nunication Skills 1: Patient-	and Family-Centered Con	nmunication	
Level 1	Level 2	Level 3	Level 4	Level 5
Communicates with patients and their families in an understandable and respectful manner	Customizes communication in the setting of personal biases and barriers with patients and patients' families	Explains complex and difficult information to patients and patients' families	Facilitates difficult discussions with patients and patients' families	Mentors others in the facilitation of crucial conversations
Provides timely updates to patients and patients' families	Actively listens to patients and patients' families to elicit patient preferences and expectations	Uses shared decision- making to make a personalized care plan	Effectively negotiates and manages conflict among patients, patients' families, and the health care team	Mentors others in conflict resolution
Comments:			Not Yet C	Completed Level 1

Level 1	Level 2	Level 3	Level 4	Level 5
Respectfully requests or receives consultations	Clearly, concisely, and promptly requests or responds to a consultation	Uses closed-loop communication to verify understanding	Coordinates recommendations from different members of the health care team to optimize patient care	Role models flexible communication strategies that value input from all health care team members, resolving conflict when needed
Uses language that values all members of the health care team	Communicates information effectively with all health care team members	Adapts communication style to fit team needs	Maintains effective communication in crisis situations	Leads an after-event debrief of the health care team
Respectfully receives feedback from the health care team	Solicits feedback on performance as a member of the health care team	Communicates concerns and provides feedback to peers and learners	Communicates constructive feedback to superiors	Facilitates regular health care team-based feedback in complex situations

Interpersonal and Communication Skills 3: Communication within Health Care Systems				
Level 1	Level 2	Level 3	Level 4	Level 5
Accurately records information in the patient record; demonstrates judicious use of documentation shortcuts	Accurately records information in the anesthetic record for basic cases	Accurately records information in the anesthetic record and communicates complex care decisions for complex cases	Uses medical record functionality to highlight challenges in anesthetic care to facilitate future peri-operative management	Explores innovative uses of the medical record to facilitate peri-operative management
Safeguards patients' personal health information	Documents required data in formats specified by institutional policy	Appropriately selects direct and indirect forms of communication based on context	Models exemplary written or verbal communication	Guides departmental or institutional policies and procedures around communication
Communicates through appropriate channels as required by institutional policy	Respectfully communicates concerns about the system	Respectfully communicates concerns about the system and contributes to solutions	Uses appropriate channels to offer clear and constructive suggestions to improve the system	Initiates difficult conversations with appropriate stakeholders to improve the system
Comments: Not Yet Completed Level 1				