

Pediatric Dermatology Milestones

The Accreditation Council for Graduate Medical Education



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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 competency 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.

Pediatric Dermatology Milestones

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American Board of Dermatology

Review Committee for Dermatology

Pediatric Dermatology Fellowship Directors Committee of the Society for Pediatric Dermatology

Understanding Milestone Levels and Reporting

This document presents the Milestones, which programs use in a semi-annual review of resident/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 resident/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 resident/fellow may achieve higher levels early in the educational program just as a senior resident/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. Residents/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 resident/fellow.

Selection of a level implies the resident/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 resident/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.

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.

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 fellow's performance on the milestones for each sub-competency will be indicated by selecting the level of milestones that best describes that fellow's performance in relation to those milestones.

Patient Care 5: Therapeu	tics Management			
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies patients who are candidates for topical and systemic therapy	Provides appropriate counseling regarding adverse effects and reasonable risks	Consistently evaluates treatment response and counsels patients on expectations of therapy	Consistently identifies refractory disease and independently escalates therapy as necessary	Independently manages rare and complex diseases based on emerging evidence
Identifies available treatment options for common skin disorders based on patient age and underlying medical conditions	Selects treatment options for common skin disorders, with guidance, based on patient age and underlying medical conditions	With guidance, selects therapeutic modalities for common and uncommon pediatric skin disorders while balancing risks and benefits based on patient age and underlying medical conditions	Independently selects Among all available therapeutic modalities for common and uncommon skin disorders based on patient age and underlying medical conditions	Evaluates the application of novel and emerging therapeutic modalities or unique applications of existing drugs based on patient age and underlying medical conditions
Identifies therapeutic agents which require laboratory monitoring	Selects appropriate laboratory monitoring for systemic treatments for pediatric patients, with guidance	Selects appropriate laboratory monitoring for pediatric patients and manages adverse effects, with guidance	Independently orders appropriate laboratory monitoring and manages adverse effects of therapeutics	Develops systems for safety monitoring
Comments:			Not Yet C Not Yet A	ompleted Level 1
Selecting a response box in the middle of a level implies that milestones in that level and in lower levels have been substantially demonstrated.		between levels indi		

Patient Care 1: Medical Dermatology				
Level 1	Level 2	Level 3	Level 4	Level 5
Obtains basic pediatric dermatologic history and physical exam	Evaluates pediatric patients with common dermatologic conditions, with assistance	Independently evaluates pediatric patients with common dermatologic conditions	Independently evaluates pediatric patients with complex dermatologic conditions	Independently evaluates and manages pediatric patients with rare, atypical, or refractory dermatologic conditions
Identifies management options for common dermatologic conditions in children	Manages pediatric patients with common dermatologic conditions, with assistance	Independently manages pediatric patients with common dermatologic conditions	Independently manages pediatric patients with complex dermatologic conditions and/or comorbidities	Provides expert advice and consultation to other care practitioners on common and complex pediatric dermatologic conditions
Comments: Not Yet Completed Level 1 Not Yet Assessable				

Patient Care 2: Dermatol	ogic Procedures and Surge	ery		
Level 1	Level 2	Level 3	Level 4	Level 5
Performs pre- and post- operative assessment for common, office-based procedures on pediatric patients, with guidance	Performs pre-operative assessment for diagnostic and therapeutic (excisions, laser) procedures on pediatric patients, including alternatives and/or deferral of procedural approaches	Performs pre-operative assessment and counseling of risk for diagnostic and therapeutic (excisions, laser) procedures and deciding the most appropriate setting for the procedure (e.g., office versus ambulatory surgery center) based on complexity of the planned procedure, with guidance	Independently performs pre-operative assessment and counseling of risk for diagnostic and therapeutic (excisions, laser) procedures and deciding the most appropriate setting for the procedure (e.g., office versus ambulatory surgery center) based on complexity of the planned procedures(s)	Provides expert advice and consultation to other care practitioners for complex procedural management (surgical or laser) of pediatric patients with various dermatologic conditions
Identifies indications and contraindications for procedures in pediatric patients	Performs procedures on pediatric patients using patient comfort strategies, with assistance	Independently performs procedures on pediatric patients with routine conditions using patient comfort strategies	Independently performs a range of procedures on pediatric patients with complex conditions using patient comfort strategies	Helps to develop improved procedure methodologies and management for complications of procedures
Demonstrates awareness of potential procedural complications	Identifies procedural complications, with assistance	Manages procedural complications, with guidance	Independently identifies and manages procedural complications	
Comments:	Comments: Not Yet Completed Level 1 Not Yet Assessable			

Patient Care 3: Diagnostics				
Level 1	Level 2	Level 3	Level 4	Level 5
Understands the indications, and selects and performs in-office tests, with assistance	Independently selects and performs in-office tests; interprets in-office diagnostic tests, with assistance	Independently selects, performs, and interprets a full spectrum of in-office tests	Independently interprets laboratory, imaging, and other diagnostic tests for complex or rare presentations	Evaluates the application of novel and emerging diagnostic tests
Selects laboratory, imaging, and other diagnostic tests for common presentations	Independently interprets laboratory, imaging, and other diagnostic tests for common presentations	Interprets laboratory, imaging, and other diagnostic tests for complex or rare presentations, with guidance	Independently seeks further assistance or expertise for interpretation of discordant diagnostic results	Provides expert advice on the interpretation of discordant diagnostic results
Comments: Not Yet Completed Level 1 Not Yet Assessable				

Patient Care 4: Critical Thinking/Differential Diagnosis				
Level 1	Level 2	Level 3	Level 4	Level 5
Develops a differential diagnosis for common presentations of pediatric conditions, with guidance	Independently develops a differential diagnosis for common presentations of pediatric conditions	Develops a prioritized differential diagnosis for complex presentations of pediatric conditions and recognizes nuances in clinical and diagnostic features	Pursues and synthesizes additional information to reach high-probability diagnoses with continuous re-appraisal	Seeks and integrates additional data and educates others to minimize clinical reasoning errors
Comments: Not Yet Completed Level 1 Not Yet Assessable				

Patient Care 5: Therapeutics Management				
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies patients who are candidates for topical and systemic therapy	Provides appropriate counseling regarding adverse effects and reasonable risks	Consistently evaluates treatment response and counsels patients on expectations of therapy	Consistently identifies refractory disease and independently escalates therapy as necessary	Independently manages rare and complex diseases based on emerging evidence
Identifies available treatment options for common skin disorders based on patient age and underlying medical conditions	Selects treatment options for common skin disorders, with guidance, based on patient age and underlying medical conditions	Selects therapeutic modalities for common and uncommon pediatric skin disorders while balancing risks and benefits based on patient age and underlying medical conditions, with guidance	Independently selects from among all available therapeutic modalities for common and uncommon skin disorders based on patient age and underlying medical conditions	Evaluates the application of novel and emerging therapeutic modalities or unique applications of existing drugs based on patient age and underlying medical conditions
Identifies therapeutic agents that require laboratory monitoring	Selects appropriate laboratory monitoring for systemic treatments for pediatric patients, with guidance	Selects appropriate laboratory monitoring for pediatric patients and manages adverse effects, with guidance	Independently orders appropriate laboratory monitoring and manages adverse effects of therapeutics	Develops systems for safety monitoring
Comments: Not Yet Completed Level 1 Not Yet Assessable				

Medical Knowledge 1: Knowledge	nowledge of Dermatologic	Disease Level 3	Level 4	Level 5
Describes fundamental cutaneous anatomy and physiology of neonatal, pediatric, and adolescent skin	Describes pathophysiology of common pediatric skin disorders	Demonstrates knowledge of the pathophysiology of complex pediatric skin disorders	Synthesizes knowledge of pathophysiology of pediatric skin disorders and applies this knowledge to management and counseling	Teaches emerging concepts in cutaneous pathophysiology as it applies to the pediatric patient
Demonstrates knowledge of the clinical features of common pediatric dermatologic disorders	Demonstrates knowledge of the clinical features, associations, treatments, and expected course of common pediatric dermatologic disorders	Demonstrates knowledge of the clinical features, associations, treatments, and expected course of uncommon and complex pediatric dermatologic disorders	Demonstrates comprehensive knowledge of the clinical features, associations, treatments, and expected course of pediatric dermatologic disorders, including impact on overall physical and psychosocial well-being	Teaches emerging concepts in clinical features, associations, treatments, or expected course of common, uncommon, and complex pediatric dermatologic disorders
Comments: Not Yet Completed Level 1 Not Yet Assessable				

Medical Knowledge 2: V	isual Recognition			
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies common pediatric skin diseases with characteristic findings Describes morphology with fluency	Identifies uncommon pediatric skin diseases with characteristic findings Identifies subtle morphologic features that distinguish among entities	Identifies variable presentations of common pediatric skin disease Integrates visual diagnostic tools (e.g., dermoscopy) for basic diagnoses	Identifies variable presentations of uncommon and rare pediatric skin disease Integrates visual diagnostic tools for a wide range of diagnoses of the skin,	Mentors others in recognizing pediatric skin disease, including the use of visual diagnostic tools
			hair, and nails	
Comments:				completed Level 1

Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of common safety events	Identifies system factors that lead to safety events	Participates in analysis of safety events (simulated or actual)	Conducts analysis of safety events and offers error prevention strategies (simulated or actual)	Actively engages teams and processes to modify systems to prevent safety events
Demonstrates knowledge of how to report patient safety events	Reports patient safety events through institutional reporting systems with guidance from fellowship mentor	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) with guidance from mentor	Independently discloses patient safety events to patients and their families (simulated or actual)
Demonstrates knowledge of basic quality improvement methodologies and metrics	Describes local quality improvement initiatives (e.g., handwashing, needle stick prevention, masking, laser eye protection)	Participates in local quality improvement initiatives	Demonstrates understanding of 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

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	Leads effective coordination of patient- centered care among different disciplines and specialties	Analyzes the process of care coordination and leads 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	Advocates for safe and effective transitions of care/hand-offs within and across health care delivery systems, including outpatient settings	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 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

Systems-Based Practice	e 3: Physician Role in Healtl	n Care Systems		
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies key components of the complex health care delivery system	Describes how components of a complex health care delivery system are interrelated, and how this impacts patient care	Identifies various components of the complex health care delivery system and their role in efficient and effective patient care	Modifies individual practice to optimize the effects on the broader health care delivery system	Advocates for or leads systems change that enhances high-value, efficient, and effective patient care
Describes basic health payment systems and practice models	Delivers care with consideration of each patient's payment model	Engages with patients in shared decision-making, informed by each patient's payment models	Advocates for patient care needs within the limitations of each patient's payment model	Participates in health policy advocacy activities
Comments: Not Yet Completed Level 1				

Level 1	Level 2	ence-Based and Informed P	Level 4	Level 5
Demonstrates how to access and use available evidence and incorporate patients' and patients' families' preferences and values to the care of a routine patient	Articulates clinical questions and elicits the patient's and patient's family's preferences and values to guide evidence-based care	Locates and applies the best available evidence, integrated with the patient's and patient's family's preference, to the care of complex patients	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 C	ompleted Level 1

Level 1	Level 2	Level 3	Level 4	Level 5
Accepts responsibility for personal and professional development by establishing goals	Demonstrates openness to feedback and performance data to inform goals	Occasionally seeks feedback and performance data and responds with adaptability and self-reflection	Systematically seeks feedback and performance data and responds with adaptability and self-reflection	Models adaptability and self-reflection and coaches others to seek feedback and performance data
Acknowledges limits and gaps between expectations and performance; demonstrates self-awareness	Analyzes the factors that contribute to limits and gaps in performance; demonstrates appropriate help-seeking behaviors	Creates a learning plan in response to feedback	Uses performance data to assess the learning plan and modifies it when necessary	Mentors others on the design and implementation of learning plans

Practice-Based Learning	ງ and Improvement 3: Scho	larly Activity		
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies areas worthy of scholarly investigation, with supervision	Designs a scholarly activity with a mentor(s)	Engages in scholarly work, incorporates feedback, and participates in critical appraisal and analysis of project data	Produces scholarly work suitable for dissemination as an abstract or presentation	Disseminates independent scholarly work that generates new medical knowledge, educational programs, or process improvement
Comments:				completed Level 1

Professionalism 1: Profe		11 2	L const 4	Louis
Identifies and describes potential triggers for professionalism lapses	Level 2 Demonstrates insight into professional behavior in routine situations	Demonstrates professional behavior in complex or stressful situations	Level 4 Recognizes situations that may trigger professionalism lapses and intervenes to prevent lapses in oneself and others	Level 5 Coaches others when their behavior fails to meet professional expectations
Describes when and how to report professionalism lapses	Takes responsibility for one's own professionalism lapses	Identifies individual and institutional barriers to professionalism		
Comments:			Not Yet C	Completed Level 1

Professionalism 2: Ethical Principles						
Level 1	Level 2	Level 3	Level 4	Level 5		
Demonstrates knowledge of medical ethical principles	Analyzes straightforward situations using ethical principles	Analyzes complex situations using ethical principles	Recognizes and uses appropriate resources for managing and resolving ethical dilemmas as needed	Identifies and seeks to address system-level factors that induce or exacerbate ethical problems or impede their resolution Serves as resource for colleagues who face ethical dilemmas		
Comments:			Not Yet C	Completed Level 1		

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, 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	Mitigates situations that may impact the ability of other members of the health care team to complete tasks and responsibilities in a timely manner	Takes ownership of system outcomes and revises systems to enhance accountability
Takes responsibility for failure to complete tasks and responsibilities	Recognizes situations that may impact one's own ability to complete tasks and responsibilities in a timely manner	Proactively ensures the needs of patients are met during and after a visit	Identifies strategies to enhance accountability of team members involved in patient care	Implements strategies to enhance accountability of team members involved in patient care

Professionalism 4: Self-A	Awareness and Help-Seekii	ng Behaviors		
Level 1	Level 2	Level 3	Level 4	Level 5
Recognizes the status of personal and professional well-being, when prompted	Independently recognizes the status of personal and professional well-being	Proposes a plan to optimize personal and professional well-being, with assistance	Independently develops a plan to optimize personal and professional well-being	Coaches others to optimize personal and professional well-being and set limits
Recognizes personal and professional limits, when prompted	Independently recognizes personal and professional limits and seeks help when appropriate	Proposes a plan to remediate or improve personal and professional well-being and set limits, with assistance	Independently develops a plan to remediate or improve personal and professional well-being and set limits	
Comments:			Not Yet C	ompleted Level 1

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

Interpersonal and Communication Skills 1: Patient- and Family-Centered Communication					
Level 1	Level 2	Level 3	Level 4	Level 5	
Uses language and non- verbal behavior to demonstrate respect and establish rapport	Establishes a therapeutic relationship in straightforward encounters using active listening and clear language	Establishes a therapeutic relationship in challenging patient encounters, with guidance	Independently establishes a therapeutic relationship in challenging patient encounters	Mentors others in situational awareness and critical self-reflection to consistently develop positive therapeutic relationships	
Identifies common barriers (e.g., language) to effective communication	Identifies complex barriers (e.g., health literacy) to effective communication	When prompted, reflects on personal biases while attempting to minimize communication barriers	Independently recognizes personal biases while attempting to proactively minimize communication barriers	Independently uses shared decision-making to make a personalized care plan when there is a high degree of uncertainty	
Comments:			Not Yet C	completed Level 1	

Level 1	Level 2	Level 3	Level 4	Level 5
Recognizes the link between patient outcomes and patient and patient family education	Describes methods for effective patient and patient family education	Educates patients and their families effectively in straightforward situations, including eliciting understanding of information provided	Educates patients and their families effectively in complex situations	Educates patients and their families in self- advocacy and community outreach
Identifies the importance of engaging in shared decision-making	Identifies elements of shared decision-making	Uses shared decision- making to make a personalized care plan, with guidance	Independently uses shared decision-making to make a personalized care plan	
Identifies the process for achieving informed consent based on patient age and developmental level	Communicates procedural expectations to patients' families with appropriate pre-procedural counseling, guided by the age and developmental stage of the patient	Counsels patients and their families through the decision-making process for straightforward procedures, guided by the age and developmental stage of the patient	Counsels patients and their families through the decision-making process for complex procedures, guided by the age and developmental stage of the patient	Counsels patients and their families through the decision-making process for high-risk procedures, guided by the age and developmental stage of the patient as well as the long-term prognosis of the condition

and responds to a consultation request requests and responds to a consultation request recommendations when providing consultations recommendations when providing consultations recommendations from different members of the health care team to optimize patient care recommendations from different members of the health care team to optimize patient care recommendations from different members of the health care team members, resolving conflicts when need to optimize patient care recommendations from the health care team optimize patient care recommendations from the healt	Level 1	Level 2	Level 3	Level 4	Level 5
	and responds to a	requests and responds to	recommendations when	recommendations from different members of the health care team to	Role models flexible communication strategie that value input from all health care team members, resolving conflicts when needed
	values all members of	performance as a member of the health	and provides feedback to	feedback and constructive criticism to	Facilitates regular health care team-based feedback in complex situations

Level 1	Level 2	Level 3	Level 4	Level 5
Accurately records information in the electronic health record (EHR) in a timely manner	Demonstrates organized diagnostic and therapeutic reasoning through notes in the EHR	Concisely reports diagnostic and therapeutic reasoning in the EHR, using objective and professional language	Communicates clearly, concisely, and in an organized written form, including providing anticipatory guidance	Coaches others to improve their written communication
Safeguards protected health information by using appropriate communication channels	Uses documentation tools (e.g., EHR templates, smart phrases) accurately and appropriately, per institutional policy	Appropriately selects and uses direct (e.g., telephone, in-person) and indirect (e.g., progress notes, text, inbox messages) forms of communication based on context	Produces written or verbal communication (e.g., patient notes, email) that serves as an example for others to follow	Guides departmental or institutional communication around policies and procedures