

Mapping of Internal Medicine Postgraduate Curricular Competencies with Assessment Tools

This outline maps curricular competencies/objectives with the assessment tools and potential test type. Tests will emphasize certain parts of the outline, and no single test will include questions on all aspects. Questions may include content that is not included in this outline.

Construct	Domain	Year	Codes	Performance indicator /Curriculum	Page #	Performance indicator /CanMEDS	Learning Domain (1:Cognitive, 2:Skills, 3:Attitude)	Assessment type	Assessment Method			
									MCQ - Part I - Written	MCQ - Final Written	OSCE - Final Clinical	SOE - Final Clinical
A. Medical expert	A.1 Basic science	R1-R2	A.1.1	Demonstrate a thorough understanding of relevant basic sciences including pathophysiology, drug therapy, and the microbial basis of diseases	28, 48, 51, 54, 57, 60, 63, 65, 69, 72		1	Written	*	*		
	A.2 Assessment & Diagnosis	R1-R2	A.2.1	Elicit a comprehensive history and perform a complete physical examination on admission; record the patient's assessment , differential diagnosis , and medical problems clearly; and initiate a management plan	24		1, 2	Written, Oral, Performance	*	*	*	*
			A.2.2	Perform the basic procedures necessary for diagnosis	24		2	Performance			*	
			A.2.3	Attend to all patient complaints and concerns, follow up results of investigations daily, record problem-oriented progress notes daily, and update the patient's problem list	24		3	Performance, Observational			*	
			A.2.4	Formulate appropriate provisional and alternative diagnoses for key presenting problems and underlying conditions	29, 43, 48, 51, 54, 57, 60, 63, 72, 83		1	Written, Oral	*	*		*
			A.2.5	Learn to assess patients' needs with respect to ward versus ICU admission via their responsibilities as admitting residents	40		1	Written, Oral	*	*		*
			A.2.6	Develop competencies in the basic skills required for the diagnosis of a broad range of critical medical conditions that affect adolescents and adults and are sufficiently severe to require hospitalization and treatment in the medical intensive care unit	40		1	Written, Oral	*	*		*
			A.2.7	Judiciously use common monitoring systems and techniques available in the ICU	41		2	Performance, Observational			*	
			A.2.8	Understand the special medical, social, and ethical problems related to diseases process	77		1	Written, oral	*	*		*
			A.2.9	Develop appropriate differential diagnoses plans	82		1	Written, Oral, Performance	*	*	*	*
			A.2.10	Apply knowledge and technical expertise in performing procedures , interpreting results , and understanding relevant limitations	85		1, 2	Written, Oral, Performance	*	*	*	*
			A.2.11	Learn guided procedures and develop familiarity with general technology	85		2	Performance, performance			*	
			A.2.12	Master the following for each procedure: (Indications, Contraindications, Complications and complication rate, Procedural technique, Sterile technique, Consent for the procedure, Reporting complications)	85		1, 2	Written, Performance	*	*	*	*
			A.2.13	Master basic physical examination skills and be able to perform and interpret focused examinations of the cardiovascular, pulmonary, musculoskeletal, and neurological systems; breasts; and genitalia in men and women	86		1&2	Written, Oral, Performance	*	*	*	*
			A.2.14	Enhance proper interpretation of different investigative data	87, 88		1	Written, Oral, Performance	*	*	*	*

		A.2.15	Discuss the advantages and limitations of various investigational tools	87		1	Written, Oral	*	*		*
		A.2.16	Enhance proper use of investigational tools	87		3	Observational				
		A.2.17	Gain knowledge of the various investigational tools used in internal medicine	87		3	Observational				
		A.2.18	Generate differential diagnoses appropriate to the level of training and interpret the findings in the context of patients' complaints	88		1	Written , Oral	*	*		
		A.2.19	Monitor patient care and reviewing management decisions and their outcomes	104		1	Written, Oral, performance	*	*	*	*
		A.2.20	Formulate a list of all problems identified in the patient history and physical examination	105		1	Written , Oral	*	*		*
		A.2.21	Develop a proper differential diagnosis for each problem	105		1	Written, Oral	*	*		*
	R3-R4	A.2.22	Perform complete and appropriate assessment of patients	8		2	Performance				*
		A.2.23	Demonstrate proficient and appropriate use of diagnostic skills	8		1	Performance				*
A.3 Management	R1-R2	A.3.1	Demonstrate effective, appropriate, and timely performance of therapeutic procedures	8, 85		2	Performance, Observational				*
		A.3.2	Perform the basic procedures necessary for management	24		2	Performance Observational				*
		A.3.3	Develop competencies in the management of minor wound care; injury evaluation; and demonstrate a thorough understanding of relevant basic sciences including pathophysiology, drug therapy, and the microbial basis of diseases involving the key presenting problems and conditions	28, 43, 48, 51, 54, 57, 60, 63, 65, 69, 72		1	Written	*	*		
		A.3.4	Develop patient-centered care that values individual and family preferences and societal and religious norms	29, 44, 49, 52, 55, 58, 61, 64, 66, 70, 73		1	Written, Oral, Performance	*	*	*	*
		A.3.5	Perform the procedures in a safe and competent manner, including the following where appropriate: (a. Recognition of indications and contraindications, b. Obtaining informed consent, c. Ensuring patient comfort, privacy, and adequate pain control, d. Documentation, e. Post procedure follow up and handover)	29, 41, 43, 48, 51, 54, 57, 60, 65, 69, 72		2	Performance, Observational				*
		A.3.6	Provide immediate management to patients who are in need of such care	29		1, 2	Performance, Observational	*	*	*	*
		A.3.7	Develop competencies in the management of minor musculoskeletal injuries and application of clinical decision rules in management	36		1, 2	Written, Oral, Performance	*	*	*	*
		A.3.8	Gain experience and competencies in the outpatient management of common disorders	36		1	Written, oral, Performance	*	*	*	*
		A.3.9	Develop competencies in the basic skills required for the management of a broad range of critical medical conditions that affect adolescents and adults and are sufficiently severe to require hospitalization and treatment in the medical intensive care unit	40		1	Written, Oral	*	*		*
		A.3.10	Integrate the psychological and spiritual aspects of patient care	79		1	Written, oral, Performance	*	*	*	*
		A.3.11	Offer a support system to help patients to live as actively as possible until death	79		3	Observational				
		A.3.12	Provide relief for pain and other distressing symptoms	79		3	Written, Oral	*	*		*
		A.3.13	Intend to neither hasten nor postpone death	79		3	Observational				

		A.3.14	Present a follow-up patient's case in a focused, problem-based manner that includes pertinent new findings and diagnostic and treatment plans	83		2	Written, oral, Performance	*	*		*	
		A.3.15	Formulate a treatment plan for each problem	83		1	Written, Oral			*		
		A.3.16	Apply knowledge that has been gained in clinical reasoning and adhere the skills required to apply this insight, knowledge, and reasoning to clinical care	87		3	Observational	*	*			
		A.3.17	Discharge and follow-up plans	88		1	Written, Oral	*	*		*	
		A.3.18	Develop proper management plans	104		1	Written, Oral, performance	*	*	*	*	
	R3-R4	A.3.19	Use preventive and therapeutic interventions effectively	8		3	Observational		*			
		A.3.20	Demonstrate proficient and appropriate use of therapeutic procedural skills	8		1	Written, Oral	*	*		*	
		A.3.21	Respond to individual patients' health needs and issues as part of patient care	16		3	Performance, Observational			*		
A.4 Health promotion & illness prevention	R1-R2	A.4.1	Promote prevention and health maintenance, including dietary factors, lifestyle modification, and smoking cessation, during every consultation	29, 41, 44, 49, 52, 55, 58, 61, 64, 66, 70, 73		3	Written, Oral, Performance	*	*	*	*	
		A.4.2	Affirm life and regard dying as a normal process	79		3	Observational					
	R3-R4	A.4.3	Use preventive and therapeutic interventions effectively	8		3	Written, Oral	*	*		*	
B. Communicator	B.1 Verbal	R1-R2	B1.1	Formulate a diagnosis, deliver information, strive for mutual understanding, and facilitate a shared care plan	9		2&3	Performance			*	
			B1.2	Discuss the management plan, including investigations and a treatment plan, with the trainee's senior and communicate the plan to the nurse assigned to the patient's care	24		2	Performance			*	
			B1.3	Proactively communicate and liaise with patients and families regarding the patient's condition, management plan, and disposition	41, 55		3	Performance			*	
			B1.4	Master basic interview and communication skills and demonstrate competence in advanced interview and communication skills	86		3	Performance			*	
			B1.5	Communicate, including discussing risk factors and prevention, with patients and their families	88		2	Performance			*	
			B1.6	Discuss the management plan, including investigations and a treatment plan, with seniors	88		2	Performance			*	
			B1.7	Be able to present a comprehensive history and physical examination with details pertinent to the patient's problem	105		2	Performance			*	
		R3-R4	B1.8	Convey relevant information and explanations to patients, patients' families, colleagues, and other professionals accurately	11		2	Performance			*	
B.2 Non-verbal	R1-R2	B2.1	Ensure that the following discharge orders are placed in the patient's chart in a timely manner: discharge medications, follow-up appointments, and investigations	24		3	Observational			*		
		B2.2	Write a timely and thorough discharge summary	24		2	Performance			*		
		B2.3	Document patient findings in medical records in a legible and timely manner	29, 41, 44, 48, 52, 54, 58, 61, 63, 66, 70, 77		2	Performance			*		
		B2.4	Record and present data accurately and objectively	83		2	Performance			*		

		B2.5	Document historical and physical examination findings, including complete written databases; problem lists; and focused subjective, objective, assessment, and plan notes according to accepted formats	88		2	Performance & Observational			*	
		B2.6	Review admission notes, discharge summaries, and medical reports	88		1	Oral, Performance			*	*
	R3-R4	B2.7	Develop rapport, trust, and ethical therapeutic relationships with patients and their families	10		3	Performance & Observational			*	
		B2.8	Convey effective oral and written information regarding medical encounters	11		2	Performance & Observational			*	
		B2.9	Elicit and synthesize relevant information and the perspectives of patients, patients' families, colleagues, and other professionals accurately	11		3	Performance & Observational			*	
		B2.10	Document the patient's history and clinical examination independently, supervise the progress notes of junior residents daily, and record progress notes in the chart at least three times per week	25		2&3	Performance, Observational			*	
		B2.11	Produce timely and thorough reports for morbidity and mortality departmental meetings and specialty club meetings	26		2	Performance & Observational			*	
C. Collaborator	R1-R2	C.1	Use a team approach to address the needs, including the need for bereavement counseling, of patients and their families if indicated	79		3	Observational				
		C.2	Respect the roles and responsibilities of other healthcare professionals including nurses, pharmacists, and allied health professionals	29, 41, 44, 49, 52, 55, 58, 61, 63, 66, 70, 73		3	Observational				
		C.3	Consult with professionals of other disciplines	88		3	Observational				
	R3-R4	C.4	Seek appropriate consultation from other health professionals, recognizing the limits of their own expertise	9		3	Observational				
		C.5	Develop a common understanding of issues, problems, and plans with patients, patients' families, colleagues, and other professionals to develop shared care plans	11		3	Observational				
	R3-R4	C.6	Participate effectively and appropriately in interprofessional healthcare teams	13		3	Observational				
		C.7	Work effectively with other health professionals to prevent, negotiate, and resolve interprofessional conflict	13		3	Observational				
D. Manager/ Leader	R1-R2	D.1	Offer a support system to help the family to cope during the patient's illness and their own bereavement	79		3	Observational				
		D.2	Prevent errors that lead to complications	82		3	Observational				
		D.3	Avoid unnecessary or harmful investigations or management	86		3	Written, oral, Performance	*	*	*	*
		D.4	Practice contemporary, evidence-based, and cost-effective medicine	86		3	Observational				
		D.5	Develop evidence-based management plans	88		1	Written, Oral	*	*		*
		D.6	Identify systems issues, such as outdated policies and changes in patient identification procedures, that may affect patient care	104		2	Observational				
		D.7	Focus on the goal of improvement of patient care and identify areas of improvement for clinicians involved in case management	104		3	Observational				
		D.8	Improve patient care	83		3	Observational				
	R3-R4	D.9	Function effectively as consultants, integrating all of the CanMEDS roles to provide optimal, ethical, and patient-centered medical care	7		3	Observational				

			D.10	Establish and maintain clinical knowledge, skills, and attitudes appropriate to practice	7		3	Observational				
			D.11	Manage their practice and careers effectively	15		3	Observational				
			D.12	Allocate finite healthcare resources appropriately	15		3	Observational				
			D.13	Serve in administration and leadership roles as appropriate	15		3	Observational				
E. Scholar	R1-R2	E.1	Participate	in departmental and section activities and the presentation of cases in the morning report, grand rounds, and all educational activities	24		3	Observational				
		E.2	Learn	and begin to practice lifelong learning behaviors and develop the attitudes and skills necessary to be a leader and coordinator of an increasingly complex health delivery team via demonstrated practice-based learning and systems-based practice	40		3	Observational				
		E.3	Modify behavior	and judgment based on previous experience	82		3	Observational				
		E.4	Understand and apply	current practice guidelines in the field of internal medicine and its branches	83		1	Written, Oral, performance	*	*	*	*
		E.5	Identify and explain	areas of controversy in the field of internal medicine	83		2	Written, Oral	*	*		*
		E.6	Demonstrate a commitment	to improving case presentation skills by regularly seeking feedback regarding presentations	83		3	Observational				
		E.7	Demonstrate procedures	on a task trainer	85		2	Performance				
		E.8	Develop competence	in the short presentation of details of all admitted patients in a scientific and informative fashion	104		2	Performance				
		E.9	Learn and gain	confidence in presenting long case details in a systematic fashion	104		3	Observational				
		E.10	Present	topic presentation regarding the disease of interest lasting 5 min	104		2	Performance				
		E.11	Describe	the latest advances in research in the field of internal medicine	105		1	Written, Oral	*	*		*
	R3-R4	E.12	Critically evaluate	medical information and its sources and apply them to practice decisions appropriately	18		2	Performance				
		E.13	Maintain and enhance	professional activities via ongoing learning	18		3	Observational				
		E.14	Facilitate	learning in patients, patients' families, students, residents, other health professionals, the public, and others as appropriate	19		3	Observational				
		E.15	Contribute	to the development, dissemination, and translation of new knowledge and practices	19		2	Observational				
		E.16	Assist and supervise	the junior residents in interpreting laboratory investigations and performing bedside diagnostic and therapeutic procedures during working hours and on-call duties	25		2	Observational				
		E.17	Assist	junior residents in acquiring computer skills to search the literature and follow evidence-based approaches to patient care	25		2	Observational				
		E.18	Review	junior residents' admission notes and orders, discuss proposed management plans, and supervise their implementation	25		2	Oral, Performance, Observational			*	*
		E.19	Participate	in departmental and section activities	26		3	Observational				

		E.20	Participate in the education and training of medical students, interns, and junior residents actively	26		3	Observational				
F. Health advocate	R3-R4	F.1	Participate in activities that contribute to the effectiveness of healthcare organizations and systems	15		3	Observational				
		F.2	Respond to the health needs of the communities that they serve	16		3	Observational				
		F.3	Identify the determinants of health in the populations that they serve	17		1	Written, Oral	*	*		*
		F.4	Promote the health of individual patients, communities, and populations	17		3	Written, Observational	*	*		
G. Professional	R1-R2	G.1	Demonstrate an ability to incorporate attitudes relating to gender, cultural, and ethnic perspectives into clinical practice, research methodology, and analysis	77		3	Observational	*			
		G.2	Recognize the humanistic and ethical aspects of a career in medicine	86		3	Performance			*	
		G.3	Exhibit professional behaviors including the demonstration of respect for patients, colleagues, faculty members, and others in all settings	86		3	Performance, Observational			*	
		G.4	Recognize the many facets of the doctor-patient relationship and be able to apply a biopsychosocial model to issues in health and medicine	86		2, 3	Performance, Observational			*	
		G.5	Examine and affirm personal professional moral commitments	87		2	Performance			*	
	R3-R4	G.6	Demonstrate commitment to patients, the profession, and society via ethical practice	20		3	Performance, Observational				
		G.7	Demonstrate commitment to patients, the profession, and society via participation in profession-led regulation	20		3	Observational				
		G.8	Demonstrate commitment to physician health and sustainable practice	21		3	Observational				