

## Mapping of Preventive Medicine 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.

							Learning Domain		Assessmer	t Method	
Construct	Domain	Rotation	Year	Code	Performance indicator (Curriculum)	Page #	(1:Cognitive, 2:Skills, 3:Attitude)	MCQ - Part I Written	MCQ - Final Written	OSCE - Final Clinical	SOE - Final Clinical
A. Medical Expert	A1. Basic science	Introduction	R1	A1.1	Apply principles of drug-drug interactions, drug-disease		1	*	*		*
					interactions, and drug-food interactions to common situations	34					
				A1.2	Discuss the epidemiology of HAI, with special reference to HAI in Saudi Arabia	34	1	*	*		*
				A1.3	Recognize antibiotic resistance as one of the most pressing public health threats globally	34	1	*	*		*
				A1.4	Recognize HAI as one of the major emerging threats in health care	34	1	*	*		*
				A1.5	Identify the common causes and environments of HAI	34	1	*	*		*
				A1.6	Describe the risk factors of common HAIs, such as ventilatorassociated pneumonia, MRSA,		1	*	*		*
					CLABSI, and vancomycin-resistant enterococcus (VRE)	34					
				A1.7	Apply principles of prescribing drugs in elderly and pediatric age- group patents, and for patients undergoing pregnancy and		1	*	*		*
				A . O	lactation  Describe the mechanism of antibiotic resistance	34		*	*		*
				A1.8		34	1	*	*		*
				A1.9	Determine the appropriate and inappropriate use of antibiotics	34	1		,		
		Cancer	R2	A1.10	Describe pathogenesis of common diabetic emergencies	35	1	*	*		*
		Diabetes and Metabolic		A1.11	Describe the pathogenesis of important complications of diabetes mellitus type 2		1	*	*		*
		Disorders	_			35		*	*	*	*
		Frail Elderly Patients	R3	A1.12	Describe the physiological and functional declination in the elderly that can contribute to	- 6	1,2	*	*	*	*
				A	increased drug-related adverse events	36		*	*		*
				A1.13	Discuss drug-drug interactions and drug-disease interactions among the elderly	36	1				
		Ethics and Healthcare		A1.14	Review the appropriate usages and advantages, and potential pitfalls, of mini-MSEs	36					
				A1.15	Describe the epidemiology of smoking and tobacco usage in Saudi Arabia	37	1	*	*		*
				A1.16	Review the effects of smoking on smokers and their family members	37	1	*	*		*

R4	A1.17	Perform consultations effectively, including presenting well-		1	*	*	*
		documented assessments and recommendations in written and/or					
		oral form in response to requests from a variety of sources					
			12				
	A1.18	Clarify the nature of the requests in question and establish,		1	*	*	*
		negotiating where required, the desired deliverables when called					
		upon for advice	12				
	A1.19	Efficiently collect and interpret information that is appropriate to					
		the requests	12				
	A1.20	Formulate clear and realistic recommendations	12				
	A1.21	Communicate assessments and recommendations in the manner					
		(oral, written, or both) that is most suitable to the given					
		circumstances	12				
	A1.22		12				
	A1.23	Demonstrate knowledge of all CanMEDS competencies relevant to					
		preventive medicine	12				
	A1.24	Identify and appropriately respond to relevant ethical issues that					
		arise in the care of individuals, families, groups, organizations,					
		communities, and populations	12				
	A1.25	Demonstrate the ability to effectively and appropriately prioritize					
		professional duties when addressing multiple issues and problems					
			12				
	A1.26	Demonstrate compassionate care at the individual, family, group,					
		organization, community, and population levels	12				
	A1.27	Recognize and observe the ethical dimensions of preventive					
	A 0	medicine and relevant clinical decision-making	12				
	A1.28	Demonstrate medical expertise in situations other than patient					
		care; for example, in providing expert legal testimony and advising	43				
	A4 20	governments	12				
	A1.29	Apply knowledge of the fundamental biomedical, clinical, and					
		epidemiological subjects relevant to preventive medicine practice	43				
	A4 20	Describe the natural history, anidemialogy, viel factors and health	12				
	A1.30	Describe the natural history, epidemiology, risk factors, and health burdens associated with the major communicable and non-					
		communicable diseases, and injuries, that are of public health					
		significance	42				
	Λ1 21	Apply knowledge of the principles of prevention and control of	12				
	A1.31	disease and injury	12				
	A1.32	Apply knowledge of the principles of health and disease	12				
	A1.32	surveillance	12				
	Δ1 22	Apply knowledge of the principles of health protection	12				
		Apply knowledge of the principles of health protection  Apply knowledge of the principles of health promotion	12				
		Apply knowledge of the principles of health promotion  Apply knowledge of the principles of population-health assessment	12				
	711.55	rippi) into medge of the principles of population realitrassessment	12				
				1			

A1.36	Describe the principles of infection control and their application to effective and appropriate procedures and policies designed to				
	reduce risk	40			
A4 27		13			+
A1.37	Describe the general principles of emergency planning and incident	40			
A + > 0	management	13			+
A1.38	Discuss knowledge translation and social-marketing strategies that				
<b>A</b>	are relevant to the promotion of health	13			+
A1.39	Describe the analytic tests and methods used to explain				
<b>A</b>	differences in health and healthrelated behaviors	13			+
A1.40	Describe the methods used to explore knowledge, attitudes,				
	beliefs, behaviors, and public-health interventions	13			ł
A1.41	Describe the CanMEDS framework of competencies relevant to				
	preventive medicine	13			ł
A1.42	Apply lifelong learning skills relating to the scholar role that allow				
	them to implement a personal program for keeping up-to-date,				
	enhancing areas of professional competence, and maintaining their				
	specialty certification	13			ļ
A1.43	Integrate the best available evidence and best practices in order to				
	enhance the quality of care, as well as patient and program safety,				
	in preventive medicine	13			1
A1.44	Perform a health-based needs assessment for a defined population				
	for a specific purpose, employing appropriate methods				
	(qualitative, quantitative, or both) that are relevant, concise, and				
	reflective of context and preferences; describe the results of such				
	assessments; and make recommendations in regard to response				
	actions	13			1
A1.45	Assess health status, health inequalities, determinants, and				
	different needs by analyzing population-level data, and can use this				
	to support prioritization of action	13			
A1.46	Use and interpret information from a range of sources including,				
	but not limited to, mortality, hospital admission, census, primary				
	care, communicable disease, and reproductive and sexual health				
	data, as well as cancer registries and health surveys, in order to				
	support public health activities in an evidence-informed, resource-				
	effective, and ethical manner	13			
A1.47	Use a range of methods to assess morbidity and the burden of				
	disease within and between populations	13			
A1.48	Effectively identify and explore health issues, including the related				
	contexts, preferences, and values	14			
A1.49	Define, develop, select, and interpret relevant social, demographic,				ſ
	and health indicators from a variety of data sources including, but				
	not limited to, vital statistics and administrative databases,				
	registries, and surveys.	14			
A1.50	Discuss and take into account the use and limitations of these data				T
-	sets	14			

A1.51	Identify and interpret the impact of health behaviors of individuals,				
	groups, and populations, particularly with respect to nutrition,				
	physical activity, the use of tobacco and other substances,				
	sexuality, risk-taking, immunization, and participation in				
	recommended prevention and screening programs				
		14			
A1.52	Conduct assessments that are relevant, concise, and reflective of				
	context and preferences concerning the purposes of preventive				
	medicine	14			
A1.53		· ·			
	knowledge, using information technology as appropriate	14			
A1.54	Appraise the validity and relevance of data and data systems and				
,	assess their quality and appropriateness for purpose	14			
A1.55	Use data with consideration of the legal and ethical aspects of the				
	collection, manipulation, retention, and release of the data;				
	thereby allowing them to balance societal benefit with individual				
	privacy	14			
A1.56	Integrate different types of data, using complex data sets or data				
	from a variety of sources, to draw appropriate conclusions	14			
A1.57	Discuss and apply guidelines for assessing causality, such as by				
	using Koch's postulates or Bradford-Hill criteria	14			
A1.58	Select appropriate investigative methods that are evidence-				T
	informed, resource- effective, and ethical	14			
A1.59	Identify, select, and interpret biological risk markers including, but				
	not limited to, age, sex, race, and genetic makeup	14			
A1.60	Select, discuss, and demonstrate an understanding of the relevant	-			
	socio-economic, political, and environmental factors that should be				
	noted during investigations into a given context	14			
A1.61	Select, discuss, and demonstrate an understanding of physical				
	environmental factors	14			
A1.62	Apply and interpret appropriate quantitative methods and				
	analytical tests for explaining differences in health and health-				
	related behaviors	14			
A1.63	Interpret appropriate quantitative methods and analytical tests for				
	explaining differences in health and health-related behaviors				
		15			
A1.64	Apply and interpret appropriate qualitative methods for exploring				
	knowledge, attitudes, beliefs, behaviors, and public-health				
	interventions	15			$\perp$
A1.65	Demonstrate effective problem-solving and judgment skills for				
	addressing health problems, including interpreting available data				
	and integrating information in order to develop and implement				
	management plans	15			
A1.66	Perform assessments of the health impacts policies or projects				
	have on defined populations and then make informed				
	recommendations	15			

Δ1	.67 Use evidence from health-related and non-health-related sources,				
^'	including qualitative and quantitative studies, to answer a defined				
	question, taking into account the relative strengths and				
		45			
Δ.	weaknesses of the evidence applied	15			
A1	.68 Use appropriate frameworks to critically appraise evidence				
	including, but not limited to, ecological, qualitative, etiological,				
	interventional, and economic studies	15			
A1	Use economic analyses including, but not limited to, cost-benefit,				
	cost-effectiveness, and cost-utility, in the assessment of health				
	issues and proposed intervention options	15			
A1	.70 Formulate balanced, evidence-informed recommendations,				
	explaining key public health concepts using appropriate reasoning,				
	judgment, and analytic methodologies for publichealth settings				
		15			
A <sub>1</sub>	Ascertain, in a timely fashion, key public health information from a				
	range of documents including, but not limited to, briefings,				
	policies, and news reports, and use this appropriately and in				
	conjunction with more widely known public health knowledge	15			
A <sub>1</sub>	.72 Incorporate relevant legal and ethical frameworks into the				
	assessment of evidence	15			
A <sub>1</sub>	.73 Plan and design intervention-management plans in collaboration				
	with individuals, families, groups, organizations, communities, and				
	populations	15			
A <sub>1</sub>	74 Debate the relative importance of individual and societal decisions				
	concerning health and ethical issues related to public-health				
	practice	15			
A <sub>1</sub>	.75 Discuss the theories of community development	15			
	.76 Discuss the strengths and weaknesses of health-promotion				
	interventions directed at populations, which can include, but are				
	not limited to, social marketing, health-related public policies, and				
	harm reduction	15			
A <sub>1</sub>	.77 Communicate the need for health-promotion strategies in defined				
/ / /	communities, presenting cases for action/inaction in response to				
	presentations of health problems	15			
Λ1	78 Develop plans for addressing health needs in defined communities,	כי			
^ ·	clarifying the theoretical bases for the proposals and developing				
	business cases for the activities, while concurrently considering the				
	strengths and weaknesses of the health-promotion interventions in				
	-				
_	question	16			
A1	Apply the theoretical models of behavior change to the general				
	population, as well as to high-risk and hard-to-reach groups	16			
A <sub>1</sub>	.80 Identify and demonstrate an understanding of factors that				
	influence the potential for change in given contexts and	_			
	populations	16			
A <sub>1</sub>	.81 Apply knowledge translation and social marketing in order to	_			
	encourage the application of best practices	16			

A1.82	Demonstrate the effective, appropriate, and timely performance of				
	interventions relevant to preventive medicine	16			+
A1.83	Advise on and co-ordinate public health actions that conform with				
	existing local, provincial, and national policies and guidelines				
		16			1
A1.84	Describe the general principles of emergency planning and incident				
	management	16			
A1.85	Contribute to the development and utilization of community,				
	provincial, and national emergency preparedness plans including,				
	but not limited to, measures to prevent and manage exposure to				
	biological and chemical agents and radiation-emitting agents and				
	devices				
		16			
A1.86	Lead, or take a major role in, the investigation and management of				T
	significant incidents including, but not limited to, outbreaks of				
	communicable diseases and incidents of noninfectious				
	diseases	16			
A1.87	Contribute to the formulation of health-related public policies or	10			t
711.07	legislation at local and national levels	16			
A1.88	Lead, or make significant contributions to, major public health	10			+
A1.00	campaigns that demonstrate an understanding of appropriate				
	theory and the application of social marketing and mass				
4 . 0 -	communication	16			+
A1.89	Implement and evaluate health-promotion interventions, including				
	assessing outcomes, methods, and costs; identifying the strengths				
	and limitations of the interventions; and communicating findings	_			
	and making recommendations	16			+
A1.90	Develop, implement, and evaluate health-protection programs,				
	applying knowledge of common environmental hazards including,				
	but not limited to, water and sewage treatment and quality control				
	of water, soil, air, and food	16			$\perp$
A1.91	Ensure appropriate informed consent is obtained for therapeutic				
	and preventive interventions	16			$\perp$
A1.92	Demonstrate effective, appropriate, and timely performance of				
	diagnostic procedures relevant to public health and preventive				
	medicine	16			
A1.93	Identify known or potential health effects that are associated with				T
	particular hazards to health protection in populations, drawing on				
	expertise as appropriate	16			
A1.94	Characterize the hazards identified, both quantitatively and				T
,	qualitatively	16			
A1.95	Assess degrees of risk associated with exposure to hazards found				†
,	in populations	16			

			A1.96	Integrate hazard identification, characterization, and assessment					
				into estimates of adverse events likely to occur in populations,					
				basing this on hazards previously found in the populations in					
				question	16				
			A1.97	Design, implement, and evaluate surveillance systems that inform					
				public health programs	16				
			A1.98	Apply the principles of infectious disease epidemiology to the					
				investigation and management of communicable disease					
				outbreaks in individuals, families, groups, organizations,					
				communities, and populations	17				
			A1.99	Ensure appropriate informed consent consistent with the legal and					
				regulatory frameworks of public health is obtained for					
				interventions	17				
			A1.100	Document and disseminate information related to interventions					
				performed and their outcomes	17				
			A1.101	Ensure adequate follow-ups and evaluations are conducted after					
				interventions	17				
				Demonstrate an awareness of their own limits of expertise	17				
			A1.103	Demonstrate an ability to engage in effective, appropriate, and					
				timely consultation with other health professionals when required					
				in order to ensure optimal practice	17				
			A1.104	Arrange appropriate follow-up care and services for individuals,					
				families, groups, communities, and populations	17				
A2. Assessment & Diagnosis	Introduction	R1		Triage and categorize patients	34	1	*	*	*
				Order and interpret urgent investigations	34	1	*	*	*
	Medical and Surgical		A2.3	Identify risk factors and groups of patients vulnerable to such		1	*	*	*
	Emergencies			emergencies	36				
	Ü		A2.4	Identify patients who require prompt medical and surgical		1	*	*	*
				attention	36				
			A2.5	Generate preliminary diagnoses based on physical examinations		1	*	*	*
				and patients' histories					
					36				
	Diabetes and	R2	A2.6	Describe complications of common diabetic emergencies		1	*	*	*
	Metabolic Disorders								
	Disorders				35				
			A2.7	Recognize patients presenting with diabetic emergencies		1	*	*	*
					35				
			A2.8	Screen patients for complications of diabetes mellitus type 2		1	*	*	*
			100	D	35	_		<b></b>	
			A2.9	Recognize common and important ECG abnormalities	35	1	_ ^	•	•
					) ) )		I		

	Frail Elderly Patients	R3	A2.10	Perform comprehensive assessments, in conjunction with other members of the health care team, of frail elderly patients, placing a special emphasis on social factors, functional status, quality of life,		2			*
			A2.11	diet and nutrition, and medication history  Develop problem lists based on the assessment of elderly patients	36	1		*	
			A2.12	Recognize poly-pharmacy, prescription cascade, inappropriate dosages, inappropriate drugs, and deliberate drug exclusion as	36	1		*	
			A2.13	major causes of morbidity in the elderly  Enumerate the differences and similarities between the comprehensive assessment of elderly patients and the assessment	36	1		*	
			A2.14	of other patients Identify patients suitable for undergoing mini-MSEs	36	1		*	
			A2.15	Screen patients for cognitive impairment through mini-MSEs	36	1		*	
			A2.16	Predict situations where patients or families are likely to decline prescribed treatment	36 38	1		*	
A3. Management	Introduction	R1	A3.1	Determine appropriate pharmacological (e.g., selecting antibiotics) and non-pharmacological (e.g., removing indwelling catheters)	34	1	*	*	
			A3.2	Apply principles of prescribing drugs in special situations, such as renal failure and liver failure	34	1	*	*	
	Medical and Surgical Emergencies			Manage acute chest pain	34	1	*	*	
	riliei Reilciez			Manage acute breathlessness	35	1	*	*	
				Manage altered sensorium	35	1	*	*	
			A3.6	Manage hypotension and hypertension  Manage upper GI bleeding	36	1	*	*	
			A3.8	Manage lower GI bleeding	36	1	*	*	
			A3.9	Provide appropriate immediate management for patients	36	1	*	*	
			A3.10	Refer patients to the next level of care, if needed	36	1	*	*	
			A3.11	Describe the principles of surveillance and follow-ups for patients with cancers	36 36	1	*	*	
	Cancer	R <sub>2</sub>	A3.12	Enumerate the surveillance and follow-up plans for common forms		1	*	*	

	Diabetes and		Δ2 12	Institute immediate management		1	*	*		*
	Metabolic		را،رر	institute inimediate management		1				
	Disorders									
					35					
			A3.14	Treat complications of diabetes mellitus type 2		1	*	*		*
					35					
			A3.15	Manage obesity-related comorbidities		1	*	*		*
					35					
			A3.16	Institute immediate management, if necessary for common and		1	*	*		*
				important ECG abnormalities						
					35					
	Frail Elderly Patients	R3	A3.17	Discuss the principles of prescribing drugs for the elderly		1		*		*
	radents				36					
			A3.18	Exhibit rational prescribing habits in regard to the elderly		3			*	
					36					
	Ethics and	R <sub>3</sub>	A3.19	Effectively use pharmacologic and non-pharmacologic measures to		1		*		*
	Healthcare			treat tobacco usage and dependence including special population						
				groups, such as pregnant ladies, adolescents, and patients with						
				psychiatric disorders	37					
			A3.20	Recognize the important role a doctor can play during the process		1		*		*
				of death	38					
			A3.21	Provide emotional and physical care to dying patients and their		3		*		*
				families	38					
			A3.22	Provide appropriate pain management in dying patients	38	1		*		*
			A3,23	Identify suitable patients for referral to palliative care services	38	1		*		*
A4. Health	Introduction	R1		Propose a plan to prevent HAI in the workplace	34	1	*	*		*
Promotion &			A4.1	Counsel patients and families, placing a special emphasis on	J4	3			*	
Illness Prevention			7.7.2	prevention	34	3				
			A4.3	Appraise local guidelines concerning the prevention of antibiotic	٠.	1	*	*		*
				resistance	34					
			A4.4	Conclude that many major cancers are preventable		1				
					34					
	Cancer	R2	A4.5	Counsel patients and families in a proactive manner regarding		1,2,3	*	*	*	*
				cancer prevention, including	35					
	Diabetes and		A4.6	Counsel patients and families on methods of preventing such		3			*	
	Metabolic			emergencies						
	Disorders									
					35					

			A4.7	Provide preventive measures for such complications		1	*	*		*
			A4.8	Screen patients for the presence of common and important	35	1	*	*		*
			A4.9	comorbidities of obesity  Provide dietary- and life-style-related advice for the prevention and	35	1	*	*		*
				management of obesity	35	_				
	Frail Elderly	R3	A4.10	Counsel elderly patients and their families on safe medication		3			*	
	Patients			usage	36					
			A4.11	Describe the factors that must be considered while planning care for tl	36	1	*	*		*
	Ethics and		A4.12	Recognize common sources and risk factors concerning occupational h		3			*	
	Healthcare				37					
				Describe common occupational hazards in the workplace	37	1		*		*
			A4.14	Exhibit a proactive attitude towards promoting workplace safety		3			*	
					37					
			A4.15	Counsel patients and families who are declining medical treatment	20	2,3			*	
B. Communicator		Do		on the best interests of the patients	38	4.0		<b></b>		
B. Communicator		R3	B.1	Counsel patients and families in regard to applicable ethical and religious principles	37	1,2		•		*
			B.2	Guide patients and families in regard to making informed decisions	37	3		*		*
			D.Z	datac patients and rannies in regard to making informed decisions	37	, j				
			B.3	Recognize that being a good communicator is a core skill for		3			*	
				physicians, and that effective communication can foster improved						
				outcomes	17					
			B.4	Establish constructive relationships with individuals, families,		1		*		*
				groups, organizations, communities, and populations that are						
				characterized by understanding, trust, respect, honesty, and	17					
			B.5	empathy Listen effectively	17 17	3			*	
				Show awareness of and respond to nonverbal cues	17	3			*	
				Effectively facilitate all forms of encounters	17	3			*	
			B.8	Gather information about health situations, including the beliefs,		2			*	
				concerns, expectations, and experiences of all involved	17					
			B.9	Seek out and synthesize relevant information from other sources		3				
				and stakeholders	17					
			B.10	Deliver information in a humane manner, and in such a way that it is		2.3			*	
				understandable and encourages discussion and participation in						
				decision-making	17					
			B.11	Identify and explore problems to be addressed, including	10	2			*	
				stakeholders' contexts, responses, concerns, and preferences	18					

		B.12	Respect diversity and differences including, but not limited to, the impact of gender, religion, and cultural beliefs on decision-making		3			*	
	-	B.13	Encourage discussions, questions, and interactions during encounters	18 18	3			*	
		B.14	Engage all stakeholders in shared decision-making in order to develop plans	18	3			*	
		B.15	Effectively address challenging communication issues through methods such as obtaining informed consent, delivering bad news, and addressing anger, confusion, misunderstanding, and conflicting priorities	18	2,3			*	
		B.16	Maintain clear, concise, accurate, and appropriate records of	40	3				
	-	R 17	encounters and plans Present reports of encounters and plans	18 18	2				
			Appropriately convey medical information in order to ensure the	10	2			*	
			safe transfer of care	18					
			Effectively present health information to the public or media	18	2				
		B.20	Present epidemiological data and risk information to affected		2				
			individuals, the public, other professionals, and the media using a variety of modalities	18					
		B.21	Apply risk-communication theory and various communication styles	18	2				
		B.22	Develop and implement communication plans, which should		1,2				
			include media-related components, concerning public health issues						
	-	B.23	Effectively respond to public and media enquiries relating to	18	3				
		0.23	specific health issues by using various media channels as required		, ,				
				18					
C. Collaborator	R2	C.1	Liaise with oncologists to provide surveillance and follow-up		3				
			concerning patients with cancer	35					
		C.2	Refer patients to the next appropriate level of care	35	1	*	*		*
	R3		Show familiarity with Beers criteria	36	1		*		*
	R4	C.4	Describe the roles and responsibilities of preventive medicine		1		*		*
			specialists to other professionals, especially in circumstances	.0					
	-	Cr	concerning legislative authority or emergency situations	18			•		
		C.5			1		*		1
				18					
		C.5	Identify and describe the roles, expected contributions, and limitations of all members of interdisciplinary teams assembled to address health issues, educational tasks, or research questions		1		*		*

C.6	Identify individuals, groups, and other service providers capable of meaningfully contributing to the definition and solution of individual-, group-, and community-level public health issues, as well as education tasks or research questions concerning, among other topics, social-services agencies, mental-health organizations, the not-for-profit sector, and volunteers	18	1	*	*
C.7	Recognize and respect the diversity of roles, responsibilities, competencies and, as applicable, the authority of other	18	1	*	*
C.8	professionals in relation to their own authority  Describe the organization, structure, function, and effectiveness of community health and social services in at least one area, such as maternal and child health; dental health; child abuse; income maintenance, including the not-for-profit sector; volunteers; and other service agencies		1	*	*
C.9	Work with others to assess, plan, provide, and integrate services for individuals, families, groups, organizations, communities, and populations	19 19	1,3		
C.10	Work with others to assess, plan, provide, and review other tasks, such as research, education, programs, and administrative responsibilities	19	1,3		
C.11	Employ a variety of means through which to engage with and enable the participation of identified key stakeholders	19	1	*	*
C.12	Clearly articulate the goals and objectives of given collaborative processes		2		
C.13	Foster collaboration between other individuals and groups	19	,		
C.14	Effectively participate in interprofessional and interdisciplinary	19	3		
C.14		40	) 3		
C.15	interactions including, but not limited to, team meetings	19	_		
C.15	Enter into relationships with other professions in order to provide quality care or health programs	10	3		
C.16	Demonstrate effective team participation including, but not limited	19	3		
Cite	to, team leadership and utilizing the principles of team dynamics including, but not limited to, the dyad model of physician-manager integration	19	3		
C.17	Respect team ethics, including confidentiality, resource allocation, and professionalism	19	3		
C.18	Demonstrate the ability to lead a health team, where appropriate	19	3		
C.19	Demonstrate a respectful attitude towards other colleagues and members of interprofessional teams	19	3		
C.20	Work with other professionals to prevent conflicts	19	3		
C.21	Employ collaborative negotiations to resolve conflicts	19	3		
C.22	Respect differences and address misunderstandings and limits in		3		
	regard to the scopes of practice of other professions	19			

C.24 Reflect on the functions of interprofessional and interdisciplinary teams 19  C.25 Demonstrate an ability to work collaboratively on initiatives with non-health-sector organizations and staff/volunteers 19		
teams 19  C.25 Demonstrate an ability to work collaboratively on initiatives with 3		
non nearth sector of game and stand rolanteers		
C.26 Enter into interdependent relationships with stakeholders/experts 3		
in other sectors in order to conduct the assessment and application		
of responses to issues impacting the determinants of health or other services outside of health care. Such stakeholders/experts		
can include, but are not limited to, school boards, water services,		
municipal planners, or ministries or other government departments		
outside of the health sector		
C.27 Demonstrate an ability to meaningfully engage with the 3		
public/clients/community members in regard to the identification		
of issues and solutions that impact them  19  D. Leader  D. Leader  B1 D 1 Discuss the ethical and legal frameworks governing the safe  1 *	*	*
D. Leader D. 1 Discuss the ethical and legal frameworks governing the safe 1 *  prescribing of drugs in Saudi Arabia 34	T	
R <sub>3</sub> D.2 Show familiarity with legal and regulatory frameworks governing 1	*	*
occupational hazards among HCW 37		
D.3 Protect yourself and colleagues against potential occupational 1	*	*
hazards in the workplace 37	*	*
D.4 Work collaboratively with others in their organizations 20 1  D.5 Participate in quality-improvement initiatives designed to enhance 3	*	*
the quality of care and patient safety in preventive medicine,		
integrating the best available evidence and practices 20		
D.6 Design and implement data collection for a defined service 3		
question and integrate with other routinely available and relevant data		
D.7 Assess evidence for proposed or existing screening programs,		
using established criteria relating to the performance of screening		
tests; this should include, but not be limited to, sensitivity, specificity, predictive value, and the number of patients requiring		
screening 20		
D.8 Monitor and appraise the impact of screening and other disease 1		
detection and prevention programs 20	*	*
D.9 Describe the principles of infection control and their application to effective and appropriate procedures and policies that relate to	•	.
reducing the risk of infection 20		
D.10 Develop, implement, and critically appraise relevant practice		
guidelines 20  D.11 Investigate and intervene when a potential health hazard is 1,3		
identified in clinical settings		

D.12	Manage projects and programs, including those that feature human, financial, and material resources	20	3
D.13	Hire, support, and guide staff, monitor performance, and receive		2,
	and give constructive feedback	20	
D.14	Develop and manage budgets; this can include, but is not limited		] :
	to, aligning activities and accountability concerning resources,		
	assessing the achievement of objectives, and performing flexible		
	budgeting	20	
D.15	Develop and implement plans to secure necessary material		:
	resources	20	
D.16	Use information technology effectively in the management of		2
	projects and programs	20	ļ
D.17	Implement quality-improvement techniques that are appropriate		3
	for given organizations and settings	20	
D.18	Describe the structure and function of the health care system as it		:
	relates to preventive medicine, including the roles of physicians		
		20	
D.19	Compare and contrast the different models of public health		:
D 20	structures	20	
D.20	Discuss the organization of workplace health services in Saudi	20	:
D 24	Arabia  Describe principles of health care financing, including physician	20	
D.21	Describe principles of health care financing, including physician	20	:
D.22	remuneration, budgeting, and organizational funding Set priorities and ensure that they balance professional	20	
D.ZZ	responsibilities, outside activities, and their personal lives	21	:
D.23	Manage a practice, including finances and human resources	21	
0.23	manage a practice, including finalices and flumaritiesources		'
		21	Į
D.24	Implement processes to ensure personal practice improvement		:
		21	
D.25	Recognize the importance of the just allocation of health care		:
	resources, balancing effectiveness, efficiency, and access with		'
	optimal patient care	21	
D.26	Allocate finite health resources using evidence-informed and		:
	ethical concepts	21	
D.27	Apply evidence and management processes for cost-appropriate		:
	care	21	
D.28	Apply an analysis of determinants of health to policy or program		:
	questions in order to assess the equity implications of options		
	relating to the policies or programs concerned	21	
D.29	Effectively chair and participate in committees and meetings	21	:
D.30	Lead or implement changes in health systems	21	2
D.31	Develop visions, implement strategic plans, and effectively		1,2
	communicate this to other key stakeholders	21	
D.32	Influence and negotiate in multi-agency arenas	21	] 3

\* \*

			D.33	Demonstrate critical self-appraisal and reflective practice while		3			
				fulfilling administration and leadership roles	21				
			D.34	Demonstrate insight into their own leadership style, personality		3			
				style, and preferences in different circumstances	21				
			D.35	Discuss and apply different approaches to leadership development		1,3			
					21				
			D.36	Use effective and appropriate leadership styles in different settings		3			
				and organizational cultures, taking the differences between					
				elected and appointed roles into account	21				
			D.37	Discuss and use techniques relating to conflict management,		1			
				including negotiation and arbitration	21				
			D.38	Continually evaluate their own abilities, knowledge, and skills, and		1			
				are aware of their professional limitations, seeking advice,					
				feedback and assistance where appropriate	23				
E. Hea	Ith Advocate		R <sub>1</sub> F.1	Develop a plan for safe and proper antibiotic usage, including	34	1	*	*	*
				appropriate indications that antibiotics are required, durations of					
				prescriptions, types of antibiotic to use, and the discontinuation of					
				use.					
			R2 F.2	Identify smoking prevention and other life-style modifications as	35	1	*	*	*
				major preventing measures					
			F.3	Recognize cancers that are preventable	35	1	*	*	*
			F 4	Describe the color of animals and a sister of anily above in	25		*	*	*
			F.4	Describe the role of primary care physicians, family physicians, and	35	1	*	*	*
				other similar health care professionals in the surveillance and					
				follow-up of cancer patients  Discuss the major cancer-prevention strategies at the individual	25	1	*	*	*
			F.5	and national level	35	1	•	•	•
			F.6	Identify the role of health care workers in the prevention of HAI	35	1	*	*	*
		_					<b></b>	т.	<b>.</b>
			R <sub>3</sub> F.7	Recognize the needs and well-being of care-givers	36	1	<b>*</b>	<b>.</b>	*
			F.8	Develop, with input from other health care professionals,	37	1	•	*	*
				individualized care plans for elderly patients		_			
			F.9	Identify the local and community resources available for assisting	37	1			
				the provision of care for the elderly					
			F.10	Define patient advocacy	37	1			
			F.11	Recognize patient advocacy as a core value governing medical practice	37	1			

F.12 Describe the role of patient advocates in the care of patients

F.13 Exhibit a positive attitude towards patient advocacy

F.14 Be a patient advocate when conflicting situations arise

	F.15	Show familiarity with local and national patient advocacy groups	37	1
R4	F.16	Identify the health needs, concerns, and assets of individuals,	21	1
		families, communities, and populations served		
	F.17	Identify opportunities for advocacy, health promotion, and disease	21	q
		prevention with individuals, families, communities, and populations		
_		served		_
	F.18	Demonstrate an appreciation of the possibility that competing	22	3
		interests may exist and can implement processes for decision		
		making, incorporating an ethical approach, in order to resolve competing interests		
-	F 19	Recognize situations where advocacy is required and define	22	1
	1.13	strategies for obtaining the desired outcome		_
	F.20	Identify vulnerable or marginalized sub-populations within the	22	1
		communities and populations they serve and respond		
		appropriately to their needs		
	F.21	Engage with vulnerable or marginalized sub-populations including,	22	3
		but not limited to, new immigrants and refugees and socio-		
		economically disadvantaged persons and groups, in order to		
-	Г 22	address health inequalities  Describe approaches to addressing the health determinants of the	22	1
	F.ZZ	populations they serve, including identifying the roles of public-	22	1
		health players		
	F.23	Discuss and analyze health laws that are relevant to public health	22	1
		policy and healthy public policy		
	F.24	Describe how public policy impacts on the health of the	22	1
_		populations served		
	F.25	Integrate public health, preventive medicine, and social science	22	1
	E 26	evidence into strategies for healthy public policy  Discuss the processes for health impact assessments and analyze	22	1
	1.20	the health impacts of public policy	~~	1
	F.27	Discuss mechanisms of policy development and methods of	22	1
		implementation, including legislation, regulation, and incentives		
	F.28	Demonstrate an understanding of how competing values affect	22	1
		policy decision-making including, but not limited to, equality and		
		the prosperity and common good of the		
_	F 20	community Conduct policy analyses and evaluations	22	1
		Identify points of influence present in the health care system and	22	1 1
		its structure that impact population health	- <b>-</b>	_
	F.31	Describe the ethical and professional issues inherent in health	22	1
		advocacy, including altruism, social justice, autonomy, integrity,		
		reciprocity, and idealism		

	F.32	Demonstrate an appreciation of the fact that that the possibility	22	3	
		that conflicts with managers or gatekeepers may occur is inherent in their role as health advocates for patients and communities			
		in their role as median dayocates for patients and communices			
	F.33	Demonstrate an appreciation of the potential for, and implement	22	3	
		strategies to address, this form of conflict, balancing multiple			
		accountabilities including, but not limited to, individuals,			
		employers, the public, and other individuals within the health			
		profession			
	F.34	Describe the role of the medical profession in collectively	22	1	
		advocating for healthy individuals, systems, and populations			
	F.35	Discuss strategies for advocating for quality improvement and	22	1	
		patient safety from a population-health perspective, which			
		includes addressing health inequalities.			
ır	E.1	Describe the principles of maintaining competence	23	1	
	E.2	Describe the principles and strategies for implementing a personal		1	
		knowledge-management system	23		
	E.3	Recognize and reflect on learning issues in practice	23	1	
	E.4	Pose appropriate questions that facilitate learning	23	1	
	E.5	Access and interpret relevant evidence concerning learning questions	22	1	
	E.6	Integrate new learning into practice	23	3	
	E.7		23	1	
	E.8		23	2	
	E.9	Describe the principles of critical appraisal	23	1	
	E.10		23	1	
	E.10	sources, including individuals, administrative databases, and the		-	
		Internet, as well as health, epidemiological, and socialsciences			
		literature	23		
	E.11			1	
			23		
	E.12	Describe principles of learning that are relevant to medical		3	
		education	23		
	E.13	Collaboratively identify the learning needs and desired learning		1	
		outcomes of others	23		
	E.14	Select effective teaching strategies and content to facilitate others'		1	
		learning	23		
	E.15	Adapt educational and training strategies to the needs of learner(s)		1	
			23		
	E.16	Deliver effective lectures and presentations		2	
			23		
	E.17	Assess and reflect on teaching encounters	22	1	
	5.40	Dravida offestive feedback	23	2	
	E.18	Provide effective feedback	22	2	
			23		1

F. Scholar

		E.19	Describe the principles of ethics with respect to teaching		1		
				23			
		E.20	Describe the principles of research and scholarly inquiry	23	1		
			Discuss and apply the principles of quantitative, qualitative, and		1,2		
			action-based research/scholarly inquiry, such as study questions/objectives, designs, conduct, analyses, interpretations,				
			and reporting	23			
			Discuss and apply sampling methods, as well as the estimation of		1,2		
			appropriate sample sizes, including study power, alpha and beta				
	_		levels, and considerations of type I and II errors	23			
			Calculate and interpret measures of frequency, including counts, rates, and ratios and, as applicable, their standardization		1		
			rates, and ratios and, as applicable, their standardization	23			
		E.24	Calculate and interpret measures of risk including, but not limited		1	*	*
			to, relative risk, risk difference, attributable risk, odds ratio,				
			etiologic fractions, and preventive fractions	23			
		E.25	Describe the principles of research ethics	22	1	*	*
	_	E.26	Pose scholarly questions and participate in research processes	23	1		
		E.20	rose scholarly questions and participate in research processes	23	1		
		E.27	Conduct a systematic search for, and review of, relevant evidence		1,2		
			including, but not limited to, systematic reviews and meta-analyses				
				23			
		E.28	Recognize potential sources of bias and confusion in research and		1		
			discuss methods of reducing the impact of these instances through $% \left( 1\right) =\left( 1\right) \left( 1\right) \left$				
	_		study design and analysis	24			
			Discuss interactions including, but not limited to, additive, multiplicative, synergist, and antagonist, and effect modification in		1		
			research; further, discuss methods for their identification and				
			interpretation	24			
			Select and apply appropriate methods of addressing questions	24	1		
			Appropriately disseminate and mobilize the findings of studies	24	1		
			Complete scholarly research, quality assurance, and educational	24	2		
			projects relevant to preventive medicine in a manner that is suitable for peer-reviewed publications or for presentation at				
			academic meetings				
G. Professional	R <sub>3</sub>		Apply the key ethical and religious principles governing organ	37	1	*	*
			transplantation and withdrawal of care				
			Be familiar with the legal and regulatory guidelines regarding organ	37	1	*	*
			transplantation and withdrawal of care	22		<b>.</b>	*
			Analyze key ethical, moral, and regulatory dilemmas in regard to treatment refusal	38	1	*	*
			Describe the concept of a "rational adult" in the context of patient	38			
			autonomy and treatment refusal				

		Recognize the importance of patient autonomy in the decision-making process	38	1			
Re	4 G.6	Exhibit appropriate professional behaviors in practice, including accountability, honesty, integrity, commitment, compassion, respect, and altruism	24	3			
	G.7	Demonstrate a commitment to delivering the highest quality practice and maintaining competence	24	3			
		Recognize and appropriately respond to ethical issues encountered in practice	24	2,3		*	
	G.9	Recognize and manage real or perceived conflicts of interest	24	3		*	
		Recognize, discuss, and apply the principles and limits of confidentiality, privacy, and access to information in accordance with the regulations defined by professional practice standards and applicable laws	24	1	*		*
	G.11	Maintain appropriate relations with individuals, families, groups, organizations, communities, and populations	24	3			
	G.12	Demonstrate knowledge and an understanding of professional, legal, and ethical codes of practice	24	1	*		*
	G.13	Fulfill necessary regulatory and legal obligations of current practice in preventive medicine	24	3			
	G.14	Demonstrate accountability to professional regulatory bodies	24	3			
		Recognize and appropriately respond when unprofessional behaviors of others is observed in practice	24	1,3	*	*	*
	G.16	Participate in peer reviews	24	3			
	G.17	Balance personal and professional priorities in order to ensure high standards of personal health and sustainable practice	24	3			
	G.18	Improve their personal and professional awareness and insight	24	3			
	G.19	Recognize when other professionals need assistance and respond appropriately	24	1,3			
	G.20	Respect confidentiality, privacy, and autonomy	17	3			