

Table 1: AI Domains/Stakeholders Matrix: Needs and Roles. This table serves as an example rather than being exhaustive.

		DOMAIN 1 <i>AI in Graduate Medical Education</i>	DOMAIN 2 <i>Ethical and Responsible Use of AI</i>
MICRO	Stakeholders		
	TRAINEE	<ul style="list-style-type: none"> AI literacy Use tools for learning Use tools for personalized feedback AI for career advising 	<ul style="list-style-type: none"> Learn about the ethical implications of AI in medicine, focusing on reducing biases in AI algorithms and protecting patient privacy
	FACULTY	<ul style="list-style-type: none"> AI literacy Use tools to design curricula and courses Use tools to support academic and career advising Use AI tools for assessment 	<ul style="list-style-type: none"> Ensure AI tools are used with fairness and transparency
	PATIENT	<ul style="list-style-type: none"> AI literacy Use tools to provide feedback about trainees 	<ul style="list-style-type: none"> Understand how AI is used and how this use maintains fairness and transparency
MESO	AI DEVELOPER	<ul style="list-style-type: none"> Develop applications Understand needs Assist in training 	<ul style="list-style-type: none"> Collaborate with educators and healthcare professionals to design AI tools that adhere to ethical standards and promote transparency
	PROGRAM DIRECTORS	<ul style="list-style-type: none"> AI literacy Use tools to design curricula and courses Use tools to support advising AI for assessment AI for data analysis 	<ul style="list-style-type: none"> Ensure that AI use in curricula is aligned with ethical guidelines, particularly in assessment and clinical decision support
	MEDICAL SCHOOL ADMINISTRATORS	<ul style="list-style-type: none"> AI literacy Use tools to evaluate programs Use tools to devise policies 	<ul style="list-style-type: none"> Establish institutional policies that uphold the ethical use of AI, protecting against biases in both educational and healthcare outcomes
	HOSPITAL & HEALTHCARE SYSTEM LEADERSHIP	<ul style="list-style-type: none"> AI literacy Use tools to evaluate programs Use tools to devise policies Support AI adoption 	<ul style="list-style-type: none"> Establish institutional policies that uphold the ethical use of AI, protecting against biases in healthcare outcomes
MACRO	ACCREDITATION BODIES	<ul style="list-style-type: none"> Acknowledge AI use Develop standards for AI use Use AI tools to analyze data 	<ul style="list-style-type: none"> Set standards for the ethical use of AI in healthcare education and practice
	PROFESSIONAL MEDICAL ASSOCIATIONS & SOCIETIES	<ul style="list-style-type: none"> Develop courses on AI integration Create AI communities 	<ul style="list-style-type: none"> Advocate for ethical AI use, ensuring that policies are in place to safeguard patient rights and healthcare fairness
	MEDICAL EDUCATION POLICYMAKERS	<ul style="list-style-type: none"> Develop policies for ethical and responsible use of AI 	<ul style="list-style-type: none"> Set policies for the ethical use of AI in healthcare education and practice
MEGA	GENERAL PUBLIC & COMMUNITY MEMBERS	<ul style="list-style-type: none"> AI literacy Use AI tools to engage in decision-making? Community of AI-savvy patients? Informed of AI use in medical education 	<ul style="list-style-type: none"> Engage in conversations about AI's impact, ensuring transparency and trust in AI-enhanced healthcare and education
	LEGAL & ETHICAL EXPERTS	<ul style="list-style-type: none"> Ensure AI's use in education adheres to ethical standards 	<ul style="list-style-type: none"> Provide oversight for AI's ethical use in GME, ensuring that AI enhances human judgment while protecting patient and learner rights.

Table 2: AI in Graduate Medical Education: Stakeholder Engagement Mapping Matrix (RACI Framework)

DOMAIN 1 *AI in Graduate Medical Education*

Stakeholders		Selection of Trainees	Teaching	Assessment	Curricular Design	Academic Advising	Career Advising	Program Evaluation	Learning
MICRO	TRAINEE	I	C	C	C	I	I	I	I
	FACULTY	C	R/A	R/A	R/A	R/A	R/A	R	R/A
	PATIENT	-	I	-	C	-	C	-	C
	AI DEVELOPER	R/C	C	C	R/C	C	C	C	C
MESO	PRG DIR	R/A	R/A	R/A	R/A	R/A	R	R/A	R/A
	MS ADMIN	R/A	A	A	A	A	A	A	A
	HHSL	C	A	C	C	I	I	C	A
MACRO	ACCR BODIES	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
	PROF MED ASSN & SOC	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
	MED ED POLICYMAKERS	C/I	C/I	C/I	C/I	C/I	C/I	C/I	C/I
MEGA	GEN PUB & COMMUNITY	I	I	-	I	-	-	-	-
	LEGAL & ETHICAL EXPERTS	I	I	I	-	-	-	-	I