

Medical Students' Practices and Perceptions of Artificial Intelligence in Medicine and Medical Education

Instructions: Please answer the following questions by selecting the most appropriate response. This questionnaire was developed to assess the use of artificial intelligence (AI), self-perceived competence in AI applications, and attitudes towards AI in medical education and healthcare.

Demographics

1. What year of study are you currently in?

Year 1 ☐
Year 2 ☐
Year 3 ☐
Year 4 ☐
Year 5 ☐

2. Gender

Male ☐
Female ☐
Prefer not to say ☐

AI Applications in Medical Education

3. Have you ever used an artificial intelligence (AI)-based application (e.g. ChatGPT) for your medical studies?

Yes ☐
No ☐

4. If yes, which of the following AI-based applications have you used for academic purposes? *(Select all that apply)*

AI-powered applications

ChatGPT ☐
Google Gemini ☐
Microsoft Copilot ☐
DeepSeek ☐
Other (Please specify) _____

Medical applications incorporating AI-supported features

Medscape ☐
Medscape Drug Interaction Checker ☐
WebMD ☐
WebMD Symptom Checker ☐
UpToDate ☐
Other (Please specify) _____

5. For what purposes have you used AI applications? (*Select all that apply*)

To look up general information ☐
To refer to subject matter relevant to my studies ☐
To get assistance in completing an assignment ☐
To improve writing skills ☐
Other (Please specify) _____

Competence in Using AI Tools

6. How would you rate your competence in using the following AI applications for your studies?

Application	Never Used	Poor	Fair	Good	Very Good	Excellent
ChatGPT	☐	☐	☐	☐	☐	☐
Google Gemini	☐	☐	☐	☐	☐	☐
Microsoft Copilot	☐	☐	☐	☐	☐	☐
Other (Please specify) _____	☐	☐	☐	☐	☐	☐

Your Views on AI in Medical Education

7. Please indicate your agreement with the following statements:

Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
AI should be formally integrated into the undergraduate medical curriculum.	☐	☐	☐	☐	☐
AI can enhance learning in pre-clinical subjects.	☐	☐	☐	☐	☐
AI can enhance learning in para-clinical subjects.	☐	☐	☐	☐	☐

Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
AI can enhance learning in clinical subjects.	☐	☐	☐	☐	☐
AI use in healthcare raises important ethical challenges.	☐	☐	☐	☐	☐

Your Views on AI in Medical Practice

8. Please indicate your agreement with the following statements:

Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
AI could replace selected tasks currently performed by physicians.	☐	☐	☐	☐	☐
AI will assist or enhance physicians' roles.	☐	☐	☐	☐	☐
AI may reduce the demand for some healthcare roles.	☐	☐	☐	☐	☐
AI will help me become a better physician.	☐	☐	☐	☐	☐

Your Views on AI and Medicine

9. Please indicate your agreement with the following statements:

Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
AI will improve the quality of patient care.	☐	☐	☐	☐	☐
AI will weaken the doctor-patient relationship.	☐	☐	☐	☐	☐
AI will bring new ethical challenges in medical practice.	☐	☐	☐	☐	☐
