

AI Position Paper on the Use of Generative AI Models and Systems in Research and Teaching in Health Sciences and Medicine

General Considerations:

The Faculty of Health Sciences and Medicine (GMF) welcomes the use of AI models and systems in research and teaching and actively participates in their observation, testing, and further development. In addition to their use in university research and teaching, AI also plays an important role in the healthcare system, as it offers numerous opportunities, for example in diagnostics, monitoring healthcare delivery, reducing administrative burdens for healthcare professionals, or functioning as an early warning system. Accordingly, the GMF is committed to the use of AI in education and research as well as to the development of AI competencies, in order to prepare future health scientists and physicians for the ongoing digital transformation and its associated challenges.

The use of AI models and systems (e.g., ChatGPT) offers students various forms of support in their studies and training. AI models and systems:

- **can be used for idea generation, developing research questions, and initial orientation**, for example as discussion partners, for learning coaching and tutoring tasks, or for providing sample answers to questions. However, AI-generated results do not replace independent scholarly evaluation or a systematic literature review and must be critically assessed with regard to evidence, sources, and timeliness.
- **can support the linguistic and structural revision of texts**, for example when summarizing or elaborating bullet-point notes. Responsibility for the content as well as the academic coherence of the texts remains entirely with the students.
- **support preparation for professional requirements in the healthcare sector** and serve as a subject of learning and discussion by promoting a reflective approach to possible applications, ethical questions, opportunities, limitations, and potential biases of AI.

The following must also be observed:

- **The sharing of research data as well as personal or sensitive data (especially medical data) with AI models and systems is explicitly prohibited** for reasons of data protection, data security, and the principle of legality. This applies in particular to the entry of patient data into chatbots or other AI models and systems.
- **The use of AI must be transparently declared in all submitted work** by the respective authors in order to maintain academic integrity. Students, as authors, always bear academic responsibility for the content, including content created with the assistance of AI models and systems.

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