

CALL FOR PAPERS

Artificial Intelligence in Health Economics and Outcomes Research

Value in Health

Value in Health invites submissions for a themed section focused on the integration and impact of artificial intelligence (AI) in health economics and outcomes research (HEOR). This issue will explore the role of AI technologies, with a special emphasis on the novel capabilities and applications of generative AI.

As AI continues to evolve, its application in HEOR has shown potential to revolutionize traditional methodologies and introduce new paradigms for analysis and decision making. This special section aims to capture a broad spectrum of AI innovations while highlighting the potential for generative AI as a transformative force within the field.

Topics of Interest Include, but are Not Limited to:

Applications of Generative AI: Special attention will be given to submissions that focus on generative AI applications such as the development of new predictive models, generation

of synthetic datasets, health economic models, evidence synthesis, and other novel uses of generative AI supporting applications in HEOR.

Ethical, Legal, and Social Implications of AI in HEOR: Critical examinations of the ethical concerns surrounding generative AI, such as privacy, bias, transparency, and the implications of AI-driven decisions in the context of HEOR.

Technological Challenges and Innovations: Reviews of technological advancements that address specific challenges in the application of AI in HEOR, such as improving the interpretability of generative AI models or integrating AI with existing healthcare IT infrastructures.

Regulatory and HTA Perspectives on AI: Insights from HTA bodies and regulatory agencies regarding the use of generative AI in submissions and evaluations. Discussions on the criteria and frameworks being developed to assess AI-driven research and tools in healthcare.

Please direct any content-related questions to the Guest Editors, **Jaime Caro** (jaime.caro@mcgill.ca), **Jagpreet Chhatwal** (jagchhatwal@mgh.harvard.edu) and **Rachael Fleurence** (rachael.fleurence@nih.gov).

We encourage authors to submit original research, systematic reviews, perspective pieces, and case studies. Submissions received before **December 1st, 2024** will have the best chance of being published in *Value in Health* in 2025. Early submissions are welcomed and will be reviewed on a rolling basis. All submissions will undergo the journal's peer-review process before the Editors make final decisions about papers to be included in this themed section of *Value in Health*.

Authors should submit manuscripts through the journal's online submission system at <https://mc.manuscriptcentral.com/valueinhealth> and be sure to indicate in their cover letter that the paper is to be considered as part of the "Artificial Intelligence in HEOR" theme.

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