Letter to the Editor

Authors' Reply: Enhancing the Clinical Relevance of AI Research for Medication Decision-Making

Sarah E Vordenberg[1], PharmD, MPH; Julianna Nichols[1], BS; Vincent D Marshall[1], MS; Kristie Rebecca Weir[2,3], PhD; Michael P Dorsch[1], PharmD, MS

[1]College of Pharmacy, University of Michigan, Ann Arbor, MI, United States

[2]Sydney School of Public Health, Faculty of Medicine and Health, University of Sydney, Sydney, Australia

[3]Institute of Primary Health Care (BIHAM), University of Bern, Bern, Switzerland

Corresponding Author:
Sarah E Vordenberg, PharmD, MPH
College of Pharmacy
University of Michigan
428 Church St
Ann Arbor, MI, 48109
United States
Phone: 1 734 763 6691
Email: skelling@med.umich.edu

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(J Med Internet Res 2025;27:e72007) doi: 10.2196/72007

KEYWORDS

older adults; artificial intelligence; vignette; pharmacology; medication; decision-making; aging; attitude; perception; perspective; electronic heath record

We appreciate the insights regarding our manuscript, "Investigating Older Adults' Perceptions of AI Tools for Medication Decisions: Vignette-Based Experimental Survey" [1], in the letter to the editor shared by Wang and Chen [2]. The letter emphasizes three key points: (1) older adults may encounter practical challenges with artificial intelligence tools, necessitating user testing and scenario simulations to enhance usability; (2) although our study considered demographic differences, it did not explore underlying cultural and socioeconomic factors, which calls for further research; (3) the complexity of real-world medication decision-making remains significant.

We acknowledge the limitations the correspondents highlight, particularly usability challenges for older adults and the need to examine underlying cultural and socioeconomic factors. Our vignette-based experiment served as an intentionally focused first step in understanding older adults' interest in artificial intelligence–assisted medication decision support.

Wang and Chen [2] note that our previous work showed that medication decision-making is complex [3]. Indeed, various factors influence how patients make these decisions, including their attitudes, beliefs, and preferences regarding medications; the potential benefits and harms of the treatment under consideration; and contextual factors specific to the patient [4-6]. Our study's experimental approach using vignettes, as indicated in the title, was selected to begin exploring this complex area in a controlled manner.

We agree that this initial study lays the foundation for future research that can tackle these important considerations through enhanced scenarios, user testing, and a more in-depth examination of sociocultural factors.

Conflicts of Interest

None declared.

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Edited by T Leung; this is a non–peer-reviewed article. Submitted 31.01.25; accepted 06.02.25; published 18.02.25.

Please cite as:
Vordenberg SE, Nichols J, Marshall VD, Weir KR, Dorsch MP
Authors' Reply: Enhancing the Clinical Relevance of Al Research for Medication Decision-Making
J Med Internet Res 2025;27:e72007
URL: https://www.jmir.org/2025/1/e72007
doi: 10.2196/72007
PMID: 39964740