

Most patients have positive views about AI in medicine

May 13 2022



Most patients have positive views about the ability of artificial

intelligence (AI) to improve care but have concerns about unintended consequences, according to a research letter published online May 4 in *JAMA Network Open*.

Dhruv Khullar, M.D., M.P.P., from Weill Cornell Medical College in New York City, and colleagues administered a survey between Dec. 3 and 18, 2019, to a hybrid probability-based, nationally representative online panel to examine public perceptions of the use of AI in diagnosis and treatment; 926 participants completed the survey.

The researchers found that most [patients](#) believed that AI would make [health care](#) much or somewhat better (10.9 and 44.5 percent, respectively), while few believed AI would make [health](#) care somewhat or much worse (4.3 and 1.9 percent, respectively); 19 percent indicated that they did not know. Overall, 66 and 29.8 percent said that being informed if AI played a big role in their diagnosis or treatment was very and somewhat important, respectively. A total of 31 and 40.5 percent, respectively, of [respondents](#) reported being very and somewhat uncomfortable receiving a diagnosis from an AI algorithm that was accurate 90 percent of the time but incapable of explaining its rationale. Most respondents were very or somewhat concerned about unintended consequences of AI, including misdiagnosis, privacy breaches, less time with clinicians, and higher health care costs (91.5, 70.8, 69.6, and 68.4 percent, respectively).

"Patients may benefit from education on how AI is being incorporated into care and the extent to which clinicians rely on AI to assist with decision-making," the authors write.

Several authors disclosed financial ties to the pharmaceutical, legal, health care, and insurance industries.

More information: [Abstract/Full Text](#)

Copyright © 2022 [HealthDay](#). All rights reserved.

Citation: Most patients have positive views about AI in medicine (2022, May 13) retrieved 5 May 2024 from <https://medicalxpress.com/news/2022-05-patients-positive-views-ai-medicine.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.