

Resolution on The Role of Health Communication AI in Advancing Health Equity for All

The Global Alliance for Behavioral Health and Social Justice is committed to applying a human rights framework in policy development and system-level changes to population health and well-being. Artificial Intelligence (AI) is evolving faster than policy, practice, and research can keep up with – and is both a threat to and an opportunity for health and well-being globally. In order to address emerging needs and prioritize well-being for all people in this environment, we strongly advocate that the field of health communication embrace an evidence-based, people-centered, and scalable approach to communicating about health – one that leverages the power of AI for good, or what is being called "Health Communication AI."

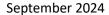
Health is a human rightⁱⁱ and the act of communicating about health is, at its core, in service of advancing positive health outcomes for all.ⁱⁱⁱ Misinformation, defined as that "which is fake or misleading and spreads unintentionally," threatens this,

We know that:

- There are **70,000** health-related Google Search queries per minute.
- There are 1 billion searches for health and medical information every day worldwide.
- Over 75% of consumers are concerned about misinformation from Al.
- There has been a 1,000% increase in the number of websites hosting Alcreated false articles over the last year.
- 63% of the public, including 56% of Al users, are not confident that Al chatbots currently provide accurate health information.

disproportionately affecting historically marginalized and minoritized communities. While misinformation happens across media types, it occurs at a speed and scale in digital and social media not found elsewhere. According to one study of Canadian youth, 84% reported being unsure that they could distinguish true from false content on social media. Moreover, Al-generated misinformation significantly increases the spread and exposure to misleading health and medical information.

However, the American Academy of Pediatrics (AAP) has resolved that "AI technologies can usefully advance population health, increase access to care, reduce inequities in health outcomes, increase early intervention, mitigate health risks, tailor prevention strategies, and broadly promote personal wellbeing" and has called "on stakeholders to collaborate with... experts to develop and implement strategies that promote accurate health information, science literacy, and counteract misinformation." This aligns with Healthy People 2030's goal to improve health communication, specifically, "making electronic health information easy to understand and [useful in support of] improving health and well-being." Moreover, the 2021 UN Committee on the Rights of the Child has called for "the provision of unbiased and equitable access to digital services" as part of states' and businesses' obligations to and responsibilities for the protection of children. Thus, while AI may be a driver of such information, working in partnership with human health communicators, it also has the potential to be exactly the tool the field needs to combat these issues.





Health Communication AI as Part of the Solution

Early research suggests that AI can do this, specifically deliver accurate health information and empathetically convey difficult news.xii,xiii More powerfully, however, AI has the capacity to do this at scale – a scale that humans on their own simply cannot achieve.xiv

Our understanding of opinion leaders (or individuals who exert substantial influence within their social network) and trust building offers a foundation for contemplating the role of AI in health communication and addressing health misinformation. There is a rich literature evincing how opinion leaders can be credible and trustworthy voices for the dissemination of quality health information – both online and off.xv,xvi,xvii,xviii,xixi Such early research on AI builds on this and provides preliminary evidence that AI can successfully replicate such human-to-human interactions.xx,xxi

Health Communication Al"xxii is a new way of communicating in today's Al-driven environment. At its core, it is an Al-enabled chatbot that can reach and engage anyone anywhere and at any time in empathetic ways with evidence-based health information tailored for them. Topics that Health Communication Al can share information on may include vaccination, mental health support, diet and nutrition trends, circumcision, abortion, suicide, eating disorders, and HIV. XXIII In doing so, Health Communication Al can help to achieve the basic human rights of health, wellbeing, and justice for all.

For Health Communication AI to be successful, though, practitioners, policy makers, scientists and users, must engage in these early stages in order to have a voice in the development of these AI tools and models. We need to do this to ensure both that these tools work for health purposes, that culture and language are central to their development, and that issues of systemic and historical racism, marginalization, bias, and trauma are considered in their development – so that they work for all.

To this end, and consistent with our values, the Global Alliance is calling for a broad commitment to the exploration of "Health Communication AI," in order to better understand:

- How to develop and utilize this technology so that it provides quality, accurate, tailored, and culturally and linguistically relevant information empathetically to all people.
- The potential barriers, access issues, and negative health consequences of using AI for health communication, and how we can build supports and resources for people as they increasingly engage in this way for this kind of information.
- What research and evaluation, training, and other early investments are needed to integrate AI into health communication safely, effectively, and in culturally and linguistically relevant ways.



Additional Resources

- https://www.tandfonline.com/doi/full/10.1080/10810730.2024.2357575
- https://yoursay.plos.org/2024/05/introducing-health-communication-ai-the-next-iteration-of-opinion-leader-for-the-age-of-artificial-intelligence/
- https://www.statnews.com/2024/06/27/medical-ethics-early-integration-ai-health-productdevelopment/
- https://www.norc.org/research/projects/health-communication-ai.html
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10250563/

How You Can Help

- Lean in and keep learning. Take steps to learn more about AI and how it effects how we communicate about health. This could include listening to podcasts, reading media and scientific articles, watching webinars, and attending conferences.
- **Get engaged**. Join the Global Alliance to have a say in how we can use Health Communication Al for good for all.
- **Use your voice**. Be active in social media about how AI can be a useful tool for combatting misinformation and addressing health inequity.
- Contribute to the evidence base. Design and implement field research studies that examine the roles of AI in global mental health and well-being and submit your papers to the American Journal of Orthopsychiatry (AJO).

This resolution has been principally drafted by Amelia Burke-Garcia with contributions by Gita Jaffe.

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ii https://sdgs.un.org/goals/goal3

iii https://health.gov/healthypeople/objectives-and-data/browse-objectives/health-communication

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^v https://misinforeview.hks.harvard.edu/article/covid-19-disinformation-and-political-engagement-among-communities-of-color-the-role-of-media-literacy/

vi https://www.innovation.ca/news/young-people-tell-us-they-need-help-identifying-misinformation

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viii https://www.apa.org/about/policy/statement-artificial-intelligence.pdf

ix https://www.apa.org/about/policy/combating-misinformation-promoting-literacy.pdf

^{*} https://health.gov/healthypeople/objectives-and-data/browse-objectives/health-communication

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