

January 2026 Resources

Dr. Marshall Chin: Guiding Principles to Address the Impact of Algorithm Bias on Racial and Ethnic Disparities in Health and Health Care

Dr. Chin's Contact Information: @MarshallChinMD, @marshallchinmd.bsky.social, mchin@bsd.uchicago.edu

Guiding Principles to Address the Impact of Algorithm Bias on Racial and Ethnic Disparities in Health and Health Care: <https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2812958>
Minority Report - Fact or Fiction?

<https://www.in-mind.org/article/minority-report-fact-or-fiction-can-we-actually-predict-violent-behavior>

Weapons of Math Destruction by Cathy O'Neill: <https://dl.acm.org/doi/10.5555/3002861>

Hidden in Plain Sight - Reconsidering the Use of Race Correction in Clinical Algorithms: <https://pubmed.ncbi.nlm.nih.gov/32853499/>

Dissecting Racial Bias in an Algorithm Used to Manage the Health of Populations: <https://www.science.org/doi/10.1126/science.aax2342>

Ensuring Fairness in Machine Learning to Advance Health Equity: <https://pubmed.ncbi.nlm.nih.gov/30508424/>

Trustworthy AI (TAI) Playbook:

<https://digitalgovernmenthub.org/wp-content/uploads/2023/08/hhs-trustworthy-ai-playbook.pdf>

Options and Opportunities to Address and Mitigate the Existing and Potential Risks, As Well As Promote Benefits, Associated with AI And Other Advanced Analytic Methods:

<https://www.acf.hhs.gov/opre/report/options-opportunities-address-mitigate-existing-potential-risks-promote-benefits>

Advancing Health Equity through APMS: Guidance for Equity-Centered Design and Implementation:

<https://www.oregon.gov/oha/EI/THWMtgDocs/Advancing-Health-Equity-Through-APMs.pdf>

Synthetic Data, Synthetic Trust:

<https://www.sciencedirect.com/science/article/pii/S2589750025001062>

Dr. Hernandez-Boussard: From a Framework to Reality: Building Accountable AI in Health Care

Boussard Lab at Stanford Medicine: <https://med.stanford.edu/boussard-lab.html>

Dr. Hernandez-Boussard's Contact Information: boussard@stanford.edu ; @tmboussard

The Landscape of AI Implementation in US Hospitals:
<https://www.nature.com/articles/s44360-025-00016-7>

Promoting Transparency in AI for Biomedical and Behavioral Research:
<https://pubmed.ncbi.nlm.nih.gov/40307512/>

Peeking Into a Black Box: The Fairness and Generalizability of a MIMIC-III Benchmarking Model: <https://PMC8786878/>

Promoting Equity in Clinical Decision-Making: Dismantling Race-Based Medicine:
<https://pubmed.ncbi.nlm.nih.gov/37782875/>

A Clinical Trials–Informed Framework for Real-World Clinical Implementation and Deployment of Artificial Intelligence Applications: <https://www.nature.com/articles/s41746-025-01506-4>

Ask WhAI: Probing Belief Formation in Role-Primed LLM Agents:
<https://arxiv.org/abs/2511.14780>

Encoding Equity in Clinical Research and Practice: <https://encodingequity.org/>

Encoding Equity Alliance Community Town Hall:
<https://encodingequity.org/event/encoding-health-alliance-community-town-hall/>

Additional Sources

MDCalc Announces New Quality Rating System for Clinical Algorithms:
<https://20years.mdcalc.com/post/quality-rating-system>

Addressing Bias in Big Data and AI for Health Care: A Call for Open Science:
[http://pmc.ncbi.nlm.nih.gov/articles/PMC8515002/](https://PMC8515002/)

Reflecting Our Biases Through AI in Healthcare:
<https://learn.hms.harvard.edu/insights/all-insights/confronting-mirror-reflecting-our-biases-through-ai-health-care>

Algorithm Bias in Public Health AI: A silent threat to equity:
<https://pmc.ncbi.nlm.nih.gov/articles/PMC12325396/>

Advancing Health Equity with Artificial Intelligence:
<https://pmc.ncbi.nlm.nih.gov/articles/PMC8607970/>

Health Equity and Ethical Considerations in Using Artificial Intelligence in Public Health and Medicine: https://www.cdc.gov/pcd/issues/2024/24_0245.htm

How to Make Software Algorithms for Health Care Fair and Equal for Everyone:
<https://www.uchicagomedicine.org/forefront/patient-care-articles/how-to-make-software-algorithms-for-health-care-fair-and-equal-for-everyone>

EU Guidelines on Ethics in Artificial Intelligence: Context and Implementation:
[https://www.europarl.europa.eu/RegData/etudes/BRIE/2019/640163/EPRS_BRI\(2019\)640163_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/BRIE/2019/640163/EPRS_BRI(2019)640163_EN.pdf)