



Kameron C. Black

- Affiliate, Department Funds
- Fellow in Peds/Clinical Informatics

Bio

BIO

Dr. Kameron Black is an ABIM board-certified, first-generation Latino physician-scientist and clinical informatics fellow with a commitment to the safe deployment of agentic artificial intelligence in real-world healthcare systems. He completed his internal medicine residency at Oregon Health & Science University (OHSU) and is currently in a fellowship program in clinical informatics at Stanford University, expected to graduate in 2026. His work has been covered by Forbes, Anthropic (“The Briefing: Healthcare and Life Sciences” virtual event) and the Stanford Institute for Human-Centered AI (HAI).

Research interests: implementation of agentic AI in healthcare workflows (NEJM AI, DOI: 10.1056/Aldbp2500144 & JMIR AI, DOI: 10.2196/66741), virtual care model innovation, mitigation of bias in CDS tools, and data-driven quality improvement. Dr. Black holds an MPH in community and behavioral health, which enhances his focus on health equity initiatives.

Current and prior research affiliations: Massachusetts General Hospital, Harvard Medical School, and Johns Hopkins University. His scholarly contributions have been published in journals including Nature Scientific Data, JMIR, NEJM AI, and Applied Clinical Informatics.

Clinical experience: academic medical centers, safety net FQHC hospitals, and Kaiser Permanente.

EHR proficiency: Epic Systems Physician Builder certified, Cosmos Data Science & Super User certified, as well as Cosmos Researcher badge completed.

Additional areas of research focus: Healthcare AI Agents, Medical AI Benchmarking, Clinical Workflow Automation, Healthcare Administrative Burden, Physician Burnout, Healthcare Workforce Shortage.

Eph 2:8-9

Gal 1:10

CLINICAL FOCUS

- Fellow
- Clinical Informatics
- Internal Medicine
- Quality Improvement
- Medical Education
- Machine Learning

- Clinical Decision Support Systems

HONORS AND AWARDS

- Leadership Education in Advancing Diversity (LEAD) Scholar, Stanford University School of Medicine (2024-2025)
- Residency Award for Excellence in Scholarship, Oregon Health & Science University (2024)
- Physician Builder Certified (Notecraft, Basic, Advanced), Epic Systems (2023)
- Spring Cohort, Harvard University Innovation Labs Venture Program (2021)
- 1st place team in "Best Use of Google Cloud" category, Massachusetts Institute of Technology, Hacking Medicine: Building for Digital Health 2021 Hackathon (2021)
- Student Innovation Excellence Award, Rocky Vista University College of Osteopathic Medicine (2021)
- 2020 Excellence in Public Health Award, United States Public Health Service (2020)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Medical Informatics Association (2020 - present)
- Member, American College of Physicians (2019 - present)

PROFESSIONAL EDUCATION

- Residency, Oregon Health & Science University , Internal Medicine (2024)
- DO, Rocky Vista University College of Osteopathic Medicine (2021)
- MPH, University of Colorado , Community & Behavioral Health (2017)

COMMUNITY AND INTERNATIONAL WORK

- SAIL Organizing Committee Member, Río Grande, Puerto Rico
- AMIA Scientific Program Committee member, San Francisco, CA
- AMIA Public health abstract submissions reviewer, Houston, TX

INTERNET LINKS

- LinkedIn: <https://www.linkedin.com/in/kameron-black/>

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Clinical Informatics (Fellowship Program)

Publications

PUBLICATIONS

- **Cultryx: Precision Diagnostic Stewardship for Blood Cultures Using Machine Learning.** *medRxiv : the preprint server for health sciences* Marshall, N. P., Chen, W., Amrollahi, F., Haredasht, F. N., Maddali, M. V., Ma, S. P., Zahedivash, A., Black, K. C., Chang, A., Deresinski, S. C., Goldstein, M. K., Asch, S. M., Banaei, et al
2026
- **MedFactEval and MedAgentBrief: A Framework and Workflow for Generating and Evaluating Factual Clinical Summaries.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing* Grolleau, F., Alsentzer, E., Keyes, T., Chung, P., Swaminathan, A., Aali, A., Hom, J., Huynh, T., Lew, T., Liang, A., Chu, W., Steele, N., Lin, et al
2026; 31: 388-399
- **Retrieval-Augmented Guardrails for AI-Drafted Patient-Portal Messages: Error Taxonomy Construction and Large-Scale Evaluation.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing* Chen, W., Haredasht, F. N., Black, K. C., Grolleau, F., Alsentzer, E., Chen, J. H., Ma, S. P.

2026; 31: 189-204

- **MedAgentBench v2: Improving Medical LLM Agent Design.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Chen, E., Postelnik, S., Black, K., Jiang, Y., Chen, J. H.
2026; 31: 354-371
- **Holistic evaluation of large language models for medical tasks with MedHELM.** *Nature medicine*
Bedi, S., Cui, H., Fuentes, M., Unell, A., Wornow, M., Banda, J. M., Kotecha, N., Keyes, T., Mai, Y., Oez, M., Qiu, H., Jain, S., Schettini, et al
2026
- **The Elastic Electronic Health Record: A Five-Tiered Framework for Applying Artificial Intelligence to Electronic Health Record Maintenance, Configuration, and Use.** *JMIR AI*
Uptegraft, C., Black, K. C., Gale, J., Marshall, A., He, S.
2025; 4: e66741
- **MedAgentBench: A Virtual EHR Environment to Benchmark Medical LLM Agents** *NEJM AI*
Jiang, Y., Black, K., Geng, G., Park, D., Zou, J., Ng, A., Chen, J.
2025
- **A Multi-Phase Analysis of Blood Culture Stewardship: Machine Learning Prediction, Expert Recommendation Assessment, and LLM Automation** *arXiv*
Amrollahi, F., Marshall, N., Nateghi Haredasht, F., Black, K. C., et al
2025
- **A Multi-Phase Analysis of Blood Culture Stewardship: Machine Learning Prediction, Expert Recommendation Assessment, and LLM Automation.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*
Amrollahi, F., Marshall, N., Haredasht, F. N., Black, K. C., Zahedivash, A., Maddali, M. V., Ma, S. P., Chang, A., Deresinski, S. C., Goldstein, M. K., Asch, S. M., Banaei, N., Chen, et al
2024; 2024: 147-156
- **Entropy removal of medical diagnostics.** *Scientific reports*
He, S., Chong, P., Yoon, B. J., Chung, P. H., Chen, D., Marzouk, S., Black, K. C., Sharp, W., Safari, P., Goldstein, J. N., Raja, A. S., Lee, J.
2024; 14 (1): 1181
- **An Electronic Health Record Alert for Inpatient Coronavirus Disease 2019 Vaccinations Increases Vaccination Ordering and Uncovers Workflow Inefficiencies.** *Applied clinical informatics*
Black, K. C., Snyder, N. A., Zhou, M., Zhu, Z., Uptegraft, C., Chintalapani, A., Orwoll, B.
2024; 15 (1): 192-198
- **Network Analysis of Academic Medical Center Websites in the United States.** *Scientific data*
He, S., Chen, D., Black, K. C., Chong, P., Marzouk, S., Yoon, B. J., Davis, K., Lee, J.
2023; 10 (1): 245
- **An Analysis of US Academic Medical Center Websites: Usability Study.** *Journal of medical Internet research*
Gale, J. J., Black, K. C., Calvano, J. D., Fundingsland, E. L., Lai, D., Silacci, S., He, S.
2021; 23 (12): e27750
- **Host control over infection and proliferation of a cheater symbiont.** *Journal of evolutionary biology*
Sachs, J. L., Russell, J. E., Lii, Y. E., Black, K. C., Lopez, G., Patil, A. S.
2010; 23 (9): 1919-27

PRESENTATIONS

- Network Analysis of Academic Medical Center Websites in the United States. - American Medical Informatics Association Clinical Informatics Conference
- Evaluation of Inpatient COVID-19 Vaccination Alerts at an Academic Medical Center and Community Hospital. - American Medical Informatics Association Clinical Informatics Conference