Kameron C. Black, DO, MPH
Clinical Assistant Professor of Medicine, Division of Hospital Medicine
Department of Medicine, Stanford University School of Medicine
300 Pasteur Drive, Lane 154, Stanford, CA 94305-5133

Education and Training

July 2024 - July 2026	Fellowship, Clinical Informatics Stanford University, Stanford, CA
July 2021 - June 2024	Residency, Internal Medicine Oregon Health & Science University, Hillsboro, OR
Aug. 2017 - May 2021	DO, Rocky Vista University College of Osteopathic Medicine, Parker, CO
Sept. 2015 - June 2017	MPH, Community & Behavioral Health Colorado School of Public Health, Aurora, CO
Sept. 2008 - June 2012	BS, Physiology & Neuroscience University of California San Diego, La Jolla, CA

Certification and Licensure

2026	Cogito accreditation, Epic
2026	Cosmos Data Architect, Epic
2026	Caboodle Data Model accreditation, Epic
2025	Board Certification, American Board of Internal Medicine
2024	Cosmos Data Scientist, Epic
2024	Cosmos Super User, Epic
2024 - Present	Medical License, Osteopathic Medical Board of California
2024	Adv Course in QI, Stanford University School of Medicine
2024	DEA Controlled Substance Registration
2023	Physician Builder, Epic
2021	Medications for Addiction Treatment (MAT) Waiver Training
2020	AMIA OHSU 10x10: Introduction to Biomedical and Health Informatics

Academic Appointments and Employment

2026 - Present	Affiliated Faculty, Center for Artificial Intelligence in Medicine & Imaging (AIMI), Stanford University, Stanford, CA
2026 - Present	Clinical Assistant Professor of Medicine, Division of Hospital Medicine, Stanford University School of Medicine, Stanford, CA
2019 - 2020	Research Intern (remote), Massachusetts General Hospital Center for Innovation in Digital Healthcare, Boston, MA
June - Aug. 2011	Research Intern, Harvard Medical School, Boston, MA
June - Aug. 2010	Research Intern, Johns Hopkins University, Baltimore, MD

Honors and Awards

2026	Scholar, Stanford Health Professions Education and Scholarship (SHaPES) Honors Certificate Program in Medical Education, Stanford Medicine
2025	Scholar, Stanford Medicine Leadership Education in Advancing Diversity (LEAD) Program
2024	Residency Award for Excellence in Scholarship, OHSU-HMC Internal Medicine Residency
2022	3rd place poster presentation, ACP Oregon Annual Meeting

2021	1st Place - Best Use of Google Cloud, Hacking Medicine: Building for Digital Health Hackathon, Massachusetts Institute of Technology
2021	Student Innovation Excellence Award, Rocky Vista University
2021	Harvard University Innovation Labs Venture Program, Spring Cohort
2020	Excellence in Public Health Award, U.S. Public Health Service
2019	Honors (top 10%) - Osteopathic Principles & Practice III, Rocky Vista University
2017	Hope Scholarship, Rocky Vista University

Grant Funding

2011	Harvard Medical School – Summer Honors Undergraduate Research Program
2010	National Science Foundation – Research Experience for Undergraduates

Teaching and Curriculum Development

2018 - Present	Co-founder/ Guest lecturer, Digital Health Track – Rocky Vista University
2025 - Present	Editor and Curriculum Developer, Stanford Housestaff IT Newsletter
2024 - 2025	Editor and Curriculum Developer, Stanford Resident Safety Council Newsletter
Fall 2024	Clinical Advisor/ Mentor, Stanford BioE 273, MED 273 Biodesign for Digital Health
2019 - 2020	Tutor, RVUCOM Master of Physician Assistant Studies program

Students and Trainees

2024	Tanya Magana, Resident Physician, supervision of research project 2 hours/week for 3 months, Oregon Health & Science University
2023	Nicole Ashley Snyder, Medical Student, supervision of research project 2 hours/week for 6 months, Rocky Vista University College of Osteopathic Medicine
2021	Jonathan Gale, Medical Student, supervision of research project 2 hours/week for 6 months, Rocky Vista University College of Osteopathic Medicine

Professional Societies

2021 - Present	Member, American Medical Informatics Association
2019 - Present	Member, American College of Physicians
2021	Member, Society of Hospital Medicine
2017 - 2021	Member, Student Osteopathic Medical Association
2017 - 2021	Member, American Medical Association
2017 - 2019	Member, Colorado Medical Society

Leadership

2024-2025	Member, Digital Health Equity Collaborative (DHEC) Advisory Board
2024-2025	Affiliate, Stanford Medicine Center for Improvement (SMCI)
2019-2020	Content Contributor, DoctorLingo
2018-2019	Co-founder/President, Digital Health Club at RVUCOM
2018-2019	Member Development Chair, Student National Medical Association – Colorado Ch.
2015-2017	Patient Portal Asst Manager, Tepeyac Community Health Center
2015-2017	Founder/President, Colorado School of Public Health Premedical Society

Hospital and University Service

2026 - Present	Volunteer Interviewer, Office of MD Admissions, Stanford University School of Medicine
2026	Organizing Committee Member, Symposium on Artificial Intelligence for Learning Health Systems (SAIL)
2025 - 2026	RSC Housestaff Representative, Stanford Graduate Medical Education Committee

2025	Interview Committee Member, GME Leadership and Professional Development Role Search, Graduate Medical Education, Stanford Medicine
2025 - 2026	Co-Chair, Stanford Resident Safety Council (RSC)
2025 - 2026	Co-Chair, Stanford Housestaff Information Technology Enhancement Council
2024 - 2026	Member, Stanford Emerging Applications Lab
2025	Organizing Committee Member, Symposium on Artificial Intelligence for Learning Health Systems (SAIL)
2025	Judge, 40th Stanford Medical Student Research Symposium
2024 - 2025	Associate Co-Chair/ Communication Co-Chair, Stanford Resident Safety Council
2024 - 2025	Language Equity Project Co-Lead, Stanford Resident Safety Council
2024 - 2025	Co-Chair, Bay Area Medical Informatics Society Symposium
2024	Scientific Program Committee member, American Medical Informatics Association Annual Symposium
2018-2019	Research Advisory Committee Member, Rocky Vista University

Service to Professional Organizations - Invited Peer Reviewer

2026	Nature Medicine
2026	Nature Health
2026	The Lancet Digital Health
2026	Symposium on Artificial Intelligence for Learning Health Systems (SAIL)
2025	Annals of Internal Medicine
2025	Symposium on Artificial Intelligence for Learning Health Systems (SAIL)
2024	American Medical Informatics Association - Annual Symposium
2022	American Medical Informatics Association - Clinical Informatics Conference

Informatics, Quality Improvement, Operations

2025 - Present	**Agentic AI Medication Titration Pilot**, Stanford Health Care Role: Lead; Sponsors: Jonathan Chen, Mike Pfeffer
2024 - Present	**Assessing Bias in Generative AI for Drafting Replies to Patient Messages**, Stanford Health Care Role: Methodology, Investigation; Sponsors: Emily Alsentzer, Stephen Ma
2024 - Present	**FIXIT: Hospital Medicine Productivity Moonshot** (including AI-Enabled Level-of-Care and Telemetry Decision Support: Accommodations 2.0 and Telemetry AI Initiative), Stanford Health Care Role: Sub-group Co-Lead, Clinical Informatics and AI Development; EHR Optimization Lead (evaluation of existing workflows, documentation optimization, and process mapping); Sponsors: Kevin Schulman, Jason Hom, Lisa Shieh, Jonathan Chen, David Svec
2024 - Present	**Epic Cosmos Platform Rollout & Optimization**, Stanford Health Care Role: Implementation & Training Co-Lead; Sponsors: Albert Chiou, Todd Ferris
2024 - 2025	**Language-Concordant Care: Increasing Qualified Bilingual Staff (QBS) Certification Rates in Graduate Medical Education**, Stanford Health Care/ Stanford Children's Role: Co-Lead; Sponsors: Nita Srinivas, Lisa Shieh, Christopher Sharp
2024	**Evaluating Discrimination Risk in Clinical Decision Support Tools: A Systematic Approach to Section 1557 Compliance**, Stanford Health Care/ Stanford Children's

Role: Co-Lead, Methodology, Investigation; Sponsors: Keith Morse, Christopher Sharp, Natalie Pageler

2024 **Analyzing Real-World Utilization of Secure Large Language Models by Healthcare Staff**, Stanford Children's Health
Role: Lead, Investigation; Sponsors: Keith Morse, Natalie Pageler

2024 **Optimizing Inpatient Antibiotic Stewardship: Reducing Alert Fatigue and Enhancing Documentation Compliance**, Stanford Children's Health
Role: Investigation; Sponsors: Lindsay Stevens, Natalie Pageler

2024 **Enhancing Inpatient Monitoring: Informatics-Driven Improvements to Level of Care and Telemetry Reassessment**, Stanford Health Care
Role: Investigation; Sponsors: Matt Eisenberg, Christopher Sharp

2023 - 2024 **Optimizing Inpatient COVID-19 Vaccination through EHR-Based Clinical Decision Support**, Oregon Health & Science University
Role: Lead; Sponsors: Ani Chintalapani, Benjamin Orwoll

2022 - 2023 **Qualitative Analysis of SDOH Data Collection in Ambulatory Settings**, Oregon Health & Science University
Role: Lead; Sponsors: Vishnu Mohan

Publications

Peer-Reviewed Original Research

1. Nateghi Haredasht, F., **Black, K. C.**, Anyaegbuna, C., Ma, S. P., Periyakoil, V. S., & Chen, J. H. (2026). Hypertension, but Not Cancer or Obesity, Is Compatible With Extreme Longevity: A Multi-Institution Analysis of 733,919 US Centenarians. *Journal of the American Geriatrics Society*.

   Annotation: acquisition of data; critical revision of the manuscript for important intellectual content

2. **Black, K. C.**, Haberkorn, W. J., Ma, S. P., Kiani, H., Bhasin, A., Chen, J. H., Shah, N. H., & Morse, K. (2026). Uses of Generative AI by Non-Clinician Staff at an Academic Medical Center. *npj Health Systems.* 3, 13.

3. Bedi, S., Cui, H., Fuentes, M., Unell, A., Wornow, M., Banda, J. M., ...**Black, K.C.**, et al. (2026). Holistic Evaluation of Large Language Models for Medical Tasks with MedHELM. *Nature Medicine*, 1-9.

   Annotation: acquisition of data; critical revision of the manuscript for important intellectual content

4. Elias, P., **Black, K. C.**, Chandak, P., Healey, E., Kumar, R., Li, M. M., ... & Alsentzer, E. (2025). The Moment AI Arrived in the Clinic: Insights from the SAIL 2025 Year in Review. *NEJM AI*, 2(11), AIp2500788.

   Annotation: acquisition of data; critical revision of the manuscript for important intellectual content

5. Jiang, Y.*, **Black, K. C.***, Geng, G., Park, D., Zou, J., Ng, A. Y., & Chen, J. H. (2025). MedAgentBench: A virtual EHR environment to benchmark medical LLM agents. *NEJM AI*, *2*(9), AIdbp2500144.

   * indicates co-first authorship

6. **Black, K.C.**, Snyder, N., Zhou, M., Zhu, Z., Uptegraft, C., Chintalapani, A., Orwoll, B. (2024). An electronic health record alert for inpatient COVID-19 vaccinations increases vaccination ordering and uncovers workflow inefficiencies. *Applied Clinical Informatics,* 15(01): 192-198.

7. He, S., Chen, D., **Black, K.C.**, Chong, P., Marzouk, S., Yoon, B., Davis, K., Lee, J. (2023). Network Analysis of Academic Medical Center Websites in the United States. *Nature Scientific Data,* 10(1), 245.

   Annotation: analysis and interpretation of data; drafting of the manuscript

8. Gale, J. J., **Black, K.C.**, Calvano, J. D., Fundingsland Jr, E. L., Lai, D., Silacci, S., & He, S. (2021). An Analysis of US Academic Medical Center Websites: Usability Study. *Journal of medical Internet research*, 23(12), e27750.

   Annotation: analysis and interpretation of data; drafting of the manuscript

9. Sachs, J. L., Russell, J. E., Lii, Y. E., **Black, K.C.**, Lopez, G., & Patil, A. S. (2010). Host control over infection and proliferation of a cheater symbiont. *Journal of evolutionary biology*, 23(9), 1919-1927.

Other Peer-Reviewed Publications

1. **Black, K. C.**, Bunning, B. J., Jiang, Y., & Chen, J. H. (2026). Building safer clinical agents: The case for residency-level benchmarks in medical artificial intelligence. *The Lancet Digital Health*, 101057.
2. Goh, E., Wu, D., Walton, C., McCoy, L. G., Perez, A., Wegner, L., ...**Black, K. C.**, et al. (2026). Toward a test of medical AI superintelligence. *Nature Medicine*.

   Annotation: acquisition of data; critical revision of the manuscript for important intellectual content

3. Uptegraft, C., **Black, K.C.**, Gale, J., Marshall, A., He, S. (2025). The elastic electronic health record: A five-tiered framework for applying artificial intelligence to electronic health record maintenance, configuration, and use. *JMIR AI,* 4, e66741.

   Annotation: conception and design; critical revision of the manuscript for important intellectual content

Other Publications

1. Altman, R., **Black, K. C.,** Chen, J.H., et al. Artificial Intelligence Index Report 2025 (Chapter 5: Science and Medicine). *Stanford University Human-Centered Artificial Intelligence*. 2025. URL: https://hai-production.s3.amazonaws.com/files/hai_ai_index_report_2025.pdf
2. **Black, K. C.** (2025, January 2). Comment on Total Product Lifecycle Considerations for Generative Artificial Intelligence-Enabled Medical Devices [Public comment on proposed rule]. Docket ID: FDA-2024-N-3924, Comment ID: FDA-2024-N-3924-0021. https://www.regulations.gov/comment/FDA-2024-N-3924-0021

Published Conference Proceedings

1. Chen, W., Nateghi Haredasht, F., **Black, K. C.**, Grolleau, F., Alsentzer, E., Chen, J. H., Ma, S. P. (2026). Retrieval‑Augmented Guardrails for AI‑Drafted Patient‑Portal Messages: Error Taxonomy Construction and Large‑Scale Evaluation. Proceedings of the Pacific Symposium on Biocomputing.
2. Chen, E., Postelnik, S., **Black, K. C.**, Jiang, Y., Chen, J. H. (2026). MedAgentBench v2: Improving medical LLM agent design. Proceedings of the Pacific Symposium on Biocomputing.
3. Magana, T., **Black, K.**, Gebhart, T., & Diamond, S. (2024). S4735 Empiric Treatment of Small Intestinal Bacterial Overgrowth in Patient With Systemic Sclerosis. *Official journal of the American College of Gastroenterology| ACG*, *119*(10S), S2994.

Invited Presentations and Panels

2026	“Agentic AI in Medicine: research and deployment updates.” Digital Health Track, Rocky Vista University, Parker, CO [virtual presentation]
2026	"Agentic AI in Medicine: Benchmarking Safety of Agentic Workflows." Master of Science in Healthcare Data Analytics program, Mass General Brigham University of Health Professions, Boston, MA [virtual presentation]
2026	“Agentic AI Governance and Early Experiences” (UGM357). Epic Users Group Meeting (UGM), Verona, WI [invited panel moderator and organizer]

2026	"AI at the Safety Net: What it Takes to Bring Agentic AI to FQHC's and Community Health Centers." The Healthcare Agent Summit, Wedge Inc., San Francisco, CA [panel]
2026	"From Chatbots to Agents: The Next Wave of AI in Hospital at Home." American Academy of Home Care Medicine (AAHCM) live webinar, [virtual presentation]
2026	"Agentic AI in Medicine: From Benchmarking to Implementation and Clinical Use." Nexus collaborative series, AVIA [virtual presentation]
2026	"Introduction to Epic Cosmos for Researchers." Pediatric Epic Cosmos Workgroup, Stanford Medicine Children's Health, Stanford, CA
2026	"Agentic AI in Medicine: Safety and Evaluation of Agentic Workflows." ACIF Virtual Case Conference, AMIA Clinical Informatics Fellows professional organization, [virtual presentation]
2025	"AI Agents in Medicine: Current Research in Routine Task Delegation and Clinical Workflow Optimization." Hospital Medicine Grand Rounds, Stanford University, Stanford, CA
2025	"Data Analytics - Cosmos & SlicerDicer Advanced Use Cases." Stanford Clinical Informatics Fellowship didactics series, Stanford University School of Medicine, Stanford, CA
2025	"Agentic AI in Healthcare." Lane Medical Library - AI Community of Practice lecture series, Stanford University School of Medicine, Stanford, CA
2025	"Data Analytics Tools for Quality Improvement." Pediatrics Dept - Advanced Course in Quality Improvement for Trainees, Stanford University School of Medicine. (co-presentation), Stanford, CA
2024	"Section 1557 Compliance Strategies for Stanford Medicine." Stanford Health Care Informatics Leadership Meeting. (co-presentation), Stanford, CA
2024	"Algorithm stewardship: being an informed provider in an age of automation bias." Digital Health Track, Rocky Vista University, Parker, CO [virtual presentation]
2020	"Needs-based innovation training in undergraduate medical education: the biodesign process." Digital Health Track, Rocky Vista University, Parker, CO

Abstracts

Oral Presentations

1. Akusobi, C., **Black, K. C.**, Jiang, Y., Keyes, T., Chen, J. H., & Pfeffer, M. "AI in Action: Can an AI Agent Dose Vancomycin?" Bug Meets Bot: Practical AI for Infectious Disease, IDWeek 2026 Pre-Meeting Workshop, October 21, 2026, Washington, DC. [invited workshop presentation; delivered by C. Akusobi]
2. **Black, K.C.**, Jiang, Y., Pfeffer, M., Chen, J.H. Evaluating High and Low Autonomy LLM Agents in Inpatient Treatment Decisions: A Prospective, Silent-Mode Study of Vancomycin Dosing. Redefining Healthcare in the Age of AI, Nature Conference, September 8, 2026. Sorbonne University, Paris, France.
3. Chen, W., Nateghi Haredasht, F., **Black, K. C.**, Grolleau, F., Alsentzer, E., Chen, J. H., Ma, S. P. Retrieval‑Augmented Guardrails for AI‑Drafted Patient‑Portal Messages: Error Taxonomy Construction and Large‑Scale Evaluation. Pacific Symposium on Biocomputing, January 3, 2026. Waimea, HI.
4. Marshall, N. P., Amrollahi, F., Nateghi Haredasht, F., **Black, K. C.**, Zahedivash, A., Maddali, M. V., Ma, S. P., Chang, A., Deresinski, S., Banaei, N., Goldstein, M. K., Asch, S., Chen, J. H. "Performance of an Expert Recommendation Framework for Blood Culture Stewardship: Comparing Clinician Manual Review and Large Language Model Automation." IDWeek 2025, October 21, 2025, Atlanta, GA.
5. Mieso, B. R., **Black, K. C.**, Zahedivash, A., Marshall, N., Hernandez-Boussard, T., Shah, N. H., & Morse, K. Evaluating Discrimination Risk in Clinical Decision Support Tools. Epic Users Group Meeting (UGM), August 18, 2025, Verona, WI.

6. Archer, S. **Black, KC**. Ricci, B. Nouri, S. Kahl, L. Rhupus Syndrome: A case of neutropenic fever, splenomegaly, and hemodynamic compromise. SGIM California-Hawaii & Northwest Regional Meeting. January 21, 2022. Virtual Meeting.

Other Abstracts

1. Kwok, J., Li, S., Atreya, P., Liu, Y., Jiang, Y., **Black, K. C.**, Finn, C., Pavone, M., Stoica, I., Mirhoseini, A. LLM-as-a-Verifier: The Impact of Fine-Grained Verification for Medical Agents. Redefining Healthcare in the Age of AI, Nature Conference, September 10, 2026. Sorbonne University, Paris, France.
2. Chen, E., Postelnik, S., **Black, K. C.**, Jiang, Y., Chen, J. H. MedAgentBench v2: Improving medical LLM agent design. Pacific Symposium on Biocomputing, January 3, 2026. Waimea, HI.
3. Muzaurieta, A., **Black, K.C.**, Kim, J.K., Qin, C., Harley, J., Parmer-Chow, C., Xie, J., Srinivas, N. Language-Concordant Care: Increasing Qualified Bilingual Staff (QBS) Certification Rates in Graduate Medical Education. Lean Healthcare Academic Conference, September 10–12, 2025. Palo Alto, CA.
4. **Black, KC.** Haberkorn, WJ. Ma, SP. Bhasin, A. Shah, NH. Morse, K. Analysis of secure large language model prompt logs at an academic hospital. American Medical Informatics Association Clinical Informatics Conference. May 21, 2025. Anaheim, CA.
5. **Black, K.C.**, Kim, J.K., Qin, C., Muzaurieta, A., Harley, J., Parmer-Chow, C., Xie, J., Srinivas, N. Language-Concordant Care: Increasing Qualified Bilingual Staff (QBS) Certification Rates in Graduate Medical Education. Stanford Medicine Center for Improvement Quality Symposium. May 15, 2025. Palo Alto, CA.
6. Chen, D. **Black, KC.** Chong, P. Gale, JJ. He, S. Automated mapping of OUD resources using hyperlink network analysis. American Medical Informatics Association Annual Symposium. November 13, 2023. New Orleans, LA.
7. **Black, KC.** Chen, D. Corscadden, L. Chong, P. Marzouk, S. Martin, A. Lee, J. Yoon, B. He, S. Network Analysis of Academic Medical Center Websites in the United States. American Medical Informatics Association Clinical Informatics Conference. May 23, 2023. Chicago, IL.
8. **Black, KC.** Zhou, M. Chintalapani, A. Orwoll, B. Evaluation of Inpatient COVID-19 Vaccination Alerts at an Academic Medical Center and Community Hospital. American Medical Informatics Association Clinical Informatics Conference. May 24, 2022. Houston, TX.
9. **Black KC**, Richa Y, Joseph S, Turner C, Ravi V, Adewunmi D, Adeyemi V, Sterns D, Alam F. Caretinue: Bridging the Gap in Post-Hospital Care to Enhance Health Outcomes. OHSU Invent-a-thon Post-Hack. Apr 21, 2021. Virtual Meeting.
10. Scurrah, M. Lopez, C. **Black, KC**. Morton, K. Zhu, Z. An Elusive Diagnosis: Disseminated Tuberculosis. ACP Oregon Annual Resident & Student Abstract Competition. Jan 11, 2022. Virtual Meeting.
11. **Black, KC**. Levine, M. Geringer, R. Hicks, G. Bradycardia in the Setting of Gastric Sarcoidosis. ACP Colorado Annual Meeting. Feb 7, 2020. Colorado Springs, CO.
12. **Black KC.** Duboff B, Feany MB. LDL Receptors Mediate Amyloid beta Toxicity in *Drosophila melanogaster*. Leadership Alliance National Symposium. Jul 22, 2011. Hartford, CT.
13. **Black KC**, Zhang J, Keuss MJ, Pai YM, Dawson VL, Dawson TM. Mapping the Binding Domains of Thorase Interacting Proteins. Johns Hopkins University Undergraduate Summer Research Symposium. Aug 7, 2010. Baltimore, MD.