Stanford



Carl Preiksaitis

Clinical Assistant Professor, Emergency Medicine

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Bio

BIO

Dr. Carl Preiksaitis is a Clinical Assistant Professor of Emergency Medicine at Stanford University School of Medicine, where he co-directs the Human Experience and Advancement Lab (HEAL) and directs the Stanford Integrated Emergency Research Repository and Archive (SIERRA), a multimodal data platform supporting collaborative emergency care research.

His research examines how artificial intelligence and digital technology are reshaping the future of work and training in emergency medicine, spanning human-AI interaction in clinical environments, the cognitive and relational impact of AI tools on physicians, and educational informatics. Using large-scale EHR and administrative data, he studies how AI changes the way emergency physicians think, document, and develop expertise over time, with an implementation science lens on how these tools are adopted in practice.

His work has been published in Nature Medicine, Annals of Emergency Medicine, NEJM Catalyst, and the Journal of Graduate Medical Education, and is supported by the National Institutes of Health, the American Medical Association, and the Society for Academic Emergency Medicine.

Nationally, Dr. Preiksaitis serves as Associate Editor of the Journal of Graduate Medical Education, where he writes the AI Teaching Rounds series, and leads AI initiatives at the Society for Academic Emergency Medicine. At Stanford, he directs the Medical Education Residency Track and leads the graduate medical education curriculum in the Department of Emergency Medicine.

Dr. Preiksaitis earned his MD from NYU Grossman School of Medicine, completed his emergency medicine residency and medical education fellowship at Stanford, and holds a Master of Education from the University of Cincinnati.

CLINICAL FOCUS

- Emergency Medicine

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Emergency Medicine

ADMINISTRATIVE APPOINTMENTS

- Acting Assistant Residency Program Director, Department of Emergency Medicine, (2023-2024)
- Acting Assistant Clerkship Director, Department of Emergency Medicine, (2022-2023)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Emergency Medical Services Fellowship (2024) CA
- Fellowship, Stanford Emergency Medicine , Medical Education Scholarship (2024)
- MEd, University of Cincinnati , Medical Education (2024)
- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2023)
- Residency: Stanford University Emergency Medicine Residency (2022) CA
- Medical Education: NYU Langone Medical Center (2018) NY

Teaching

COURSES

2024-25

- Principles of Medical Education: SOMGEN 219A (Win)

Publications

PUBLICATIONS

- **Running to Stand Still: EHR Efficiency and Workload Across Emergency Medicine Residency.** *AEM education and training*
  Preiksaitis, C., Hughes, J., Iscoe, M., Makutonin, M., Rider, A., Melnick, E. R., Rose, C.
  2026; 10 (5): e70253
- **The Hidden Work of the Note: What Ambient Scribes Ask Us to Decide.** *Journal of graduate medical education*
  Preiksaitis, C.
  2026; 18 (5): 525-528
- **Response to "Ambient artificial intelligence scribes in the emergency department"** *JOURNAL OF MEDICAL ARTIFICIAL INTELLIGENCE*
  Preiksaitis, C., Rose, C.
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- **Will Artificial Intelligence Replace Me? Automation Susceptibility of Emergency Physician Tasks.** *Annals of emergency medicine*
  Rose, C., Molins, E., Schoeffler, A., Kabeer, R., Frank, M. R., Preiksaitis, C.
  2026
- **To the Editor: In Response to "Making Clinical Reasoning Visible During Resident Use of Artificial Intelligence".** *Journal of graduate medical education*
  Preiksaitis, C.
  2026; 18 (4): 507
- **The Case for Educational Informatics in Graduate Medical Education.** *Journal of graduate medical education*
  Preiksaitis, C.
  2026; 18 (4): 383-386
- **Ambient AI Scribes and Emergency Department Documentation Burden: Retrospective Cohort Study.** *JMIR AI*
  Preiksaitis, C., Alvarez, A., Winkel, M., Karamatsu, M., Brown, I., Sama, N., Morris, L., Lee, J. Y., Gubbels, A., Wahl, E., Frye, A., Schoeffler, A., Gharahbaghian, et al
  2026; 5: e92193
- **AI counseling agent for motivational interviewing: Conversational processes associated with change talk in emergency department patients.** *Journal of substance use and addiction treatment*

Suffoletto, B., Prieksaitis, C., Kim, D., Rose, C., Pitre, V., Pillai, N., Mandal, M.
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- **SCALES-AI: A Supervision- and Context-Aligned Entrustment Framework for Integrating Artificial Intelligence Into Emergency Medicine Education.** *AEM education and training*
  Preiksaitis, C., Nord, G., Davis, J., Sangal, R., Mackey, C., Oh, L., Rose, C.
  2026; 10 (3): e70195
- **AI in Scholarship: How to Use It, Study It, and Report It.** *Journal of graduate medical education*
  Preiksaitis, C.
  2026; 18 (3): 243-246
- **SCALES-AI: A Supervision- and Context-Aligned Entrustment Framework for Integrating Artificial Intelligence Into Emergency Medicine Education** *AEM EDUCATION AND TRAINING*
  Preiksaitis, C., Nord, G., Davis, J., Sangal, R., Mackey, C., Oh, L., Rose, C.
  2026; 10 (3)
- **Deciding How Much to Trust AI for Teaching and Assessment.** *Journal of graduate medical education*
  Preiksaitis, C.
  2026; 18 (2): 105-107
- **ED-Explain: Personalized Video Instructions for Patients Discharged from the Emergency Department.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
  Luo, L., Chen, E., Zhang, X., Acosta, J. N., Jin, B. T., Gunturkun, F., Rose, C., Preiksaitis, C., Suffoletto, B., Rajpurkar, P., Kim, D. A.
  2026; 31: 280-293
- **Ambient Artificial Intelligence Scribe Adoption and Documentation Time in the Emergency Department.** *Annals of emergency medicine*
  Preiksaitis, C., Alvarez, A., Winkel, M., Karamatsu, M., Brown, I., Sama, N., Morris, L., Lee, J., Gubbels, A., Wahl, E., Frye, A., Rose, C.
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- **What Do We Mean When We Say "AI?" Why Context-Not Volume-Should Guide Emergency Medicine.** *Journal of the American College of Emergency Physicians open*
  Rose, C., Preiksaitis, C.
  2026; 7 (1): 100309
- **Supervising Resident AI Use Without Losing the Learning.** *Journal of graduate medical education*
  Preiksaitis, C.
  2026; 18 (1): 12-15
- **Assessment of pregnancy intentions in emergency department patients with pregnancy of unknown location.** *BMJ sexual & reproductive health*
  Doyle, A. A., Beshar, I., Henkel, A., Preiksaitis, C., Nief, C. A., Veliz Dominguez, L., Padron, E., Liu, S. M., Shorter, J. M.
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- **ED-Explain: Personalized Video Instructions for Patients Discharged from the Emergency Department**
  Luo, L., Chen, E., Zhang, X., Acosta, J., Jin, B., Gunturkun, F., Rose, C., Preiksaitis, C., Suffoletto, B., Rajpurkar, P., Kim, D. A.
  edited by Altman, R. B., Hunter, L., Ritchie, M. D., Murray, T., Klein, T. E.
  WORLD SCIENTIFIC PUBL CO PTE LTD.2026: 280-293
- **Mastery Learning Improves Simulated Distal Radius Fracture Management by Emergency Medicine Teaching Faculty.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
  Pokrajac, N., Gisondi, M. A., Jensen, A., Roszczynialski, K. N., Preiksaitis, C., Dixon, W.
  2025
- **Quantifying Emergency Medicine Residency Learning Curves Using Natural Language Processing: Retrospective Cohort Study.** *JMIR medical education*
  Preiksaitis, C., Hughes, J., Kabeer, R., Dixon, W., Rose, C.
  2025; 11: e82326
- **A call for structure: reimagining the faculty promotion and tenure letter of recommendation.** *Academic medicine : journal of the Association of American Medical Colleges*

Landry, A., Preiksaitis, C., Gottlieb, M., Gisondi, M., Abubshait, L., Cooney, R., Lin, M.
2025

- **AI Teaching Rounds: Orienting Graduate Medical Education Without the Hype.** *Journal of graduate medical education*
  Preiksaitis, C.
  2025; 17 (6): 685-688

- **Cultivating Health Care Innovation: Beyond the Disruption Paradigm** *NEJM CATALYST INNOVATIONS IN CARE DELIVERY*
  Rose, C., Kabeer, R., Bunney, G., Preiksaitis, C.
  2025; 6 (10)

- **Opportunistic Screening for Atrial Fibrillation With Continuous ECG Monitoring in the Emergency Department.** *Annals of emergency medicine*
  Bismuth, E., Jin, B. T., Molins, E., Nakhasi, A., Pritchard, A., Wang, Y., Rose, C., Preiksaitis, C., Kim, D.
  2025

- **Program Signaling in Emergency Medicine: Applicant Trends and Outcomes From the 2023 and 2024 Match** *AEM EDUCATION AND TRAINING*
  Luo, A. D., Zeuthen, C., Werley, E., Shappell, E., Pelletier-Bui, A., Estes, M., Fix, M., Preiksaitis, C., Mihalic, A. P., Egan, D. J.
  2025; 9 (3): e70070

- **Development and Initial Validity Evidence for the EvaLeR Tool: Assessing Quality of Emergency Medicine Educational Resources.** *AEM education and training*
  Preiksaitis, C., Barber, R., Caretta-Weyer, H., Krzyzaniak, S., Chan, T. M., Gisondi, M. A.
  2025; 9 (3): e70063

- **Ten must-read medical education articles of 2023.** *AEM education and training*
  Chen, E. H., Preiksaitis, C., Suh, M., Gottlieb, M., Jordan, J., Promes, S. B.
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- **AI passed the test, but can it make the rounds?** *AEM education and training*
  Rose, C., Preiksaitis, C.
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- **Development and Initial Validity Evidence for a Pregnancy Disclosure and Options Counseling Checklist in Emergency Medicine.** *AEM education and training*
  Preiksaitis, C., Beshar, I., Dobiesz, V., Frisch, S., Henkel, A., Rider, A., Saxena, M., Gisondi, M. A.
  2024; 8 (6): e11043

- **SPARK mentorship program for emergency services assistants underrepresented in medicine interested in physician assistant programs.** *AEM education and training*
  Snietka, A., Preiksaitis, C., Gonzalez-Marques, C., Landry, A.
  2024; 8 (5): e11025

- **Measuring Burnout and Professional Fulfillment Among Emergency Medicine Residency Program Leaders in the United States: A Cross-Sectional Survey Study.** *Clinical and experimental emergency medicine*
  Preiksaitis, C., Wright, K. N., Alvarez, A., Chan, T. M., Gottlieb, M., Little, A. G., Landry, A.
  2024

- **The Impact of Changing Abortion Legislation on Emergency Medicine Residents in a State With Protected Abortion Rights.** *Journal of graduate medical education*
  Preiksaitis, C., Saxena, M., Henkel, A.
  2024; 16 (4): 445-452

- **Trends and predictors of unfilled emergency medicine residency positions: A comparative analysis of the 2023 and 2024 Match cycles** *AEM EDUCATION AND TRAINING*
  Preiksaitis, C., Abubshait, L., Bowers, K., Landry, A., Lewis, K., Little, A. G., Nash, C. J., Gottlieb, M.
  2024; 8 (4): e11013

- **Weighing the gold standard: The breadth of emergency medicine core content covered by textbooks.** *AEM education and training*
  Preiksaitis, C., Nawaz, A., Ousta, A., Mackey, C.

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- **The Role of Large Language Models in Transforming Emergency Medicine: Scoping Review.** *JMIR medical informatics*
  Preiksaitis, C., Ashenburg, N., Bunney, G., Chu, A., Kabeer, R., Riley, F., Ribeira, R., Rose, C.
  2024; 12: e53787
- **Is Artificial Intelligence Ready to Take Over Triage?** *Annals of emergency medicine*
  Lebold, K. M., Preiksaitis, C.
  2024; 83 (5): 500-502
- **Prevalence and Characteristics of Emergency Department Visits by Pregnant People: An Analysis of a National Emergency Department Sample (2010-2020).** *The western journal of emergency medicine*
  Preiksaitis, C., Saxena, M., Zhang, J., Henkel, A.
  2024; 25 (3): 436-443
- **Diagnostic Dilemma: ChatGPT Can't Tell You What You Don't Already Know.** *Annals of emergency medicine*
  Preiksaitis, C., Rose, C.
  2024; 83 (3): 286-287
- **Initiating medical abortion in an emergency department in the United States.** *BMJ sexual & reproductive health*
  Preiksaitis, C., Saxena, M., Henkel, A.
  2024
- **Brain versus bot: Distinguishing letters of recommendation authored by humans compared with artificial intelligence.** *AEM education and training*
  Preiksaitis, C., Nash, C., Gottlieb, M., Chan, T. M., Alvarez, A., Landry, A.
  2023; 7 (6)
- **Beyond the numbers: Reimagining procedural proficiency in emergency medicine residencies.** *AEM education and training*
  Suh, M. I., Preiksaitis, C., Chen, E.
  2023; 7 (6): e10920
- **A Conference (Missingness in Action) to Address Missingness in Data and AI in Health Care: Qualitative Thematic Analysis.** *Journal of medical Internet research*
  Rose, C., Barber, R., Preiksaitis, C., Kim, I., Mishra, N., Kayser, K., Brown, I., Gisondi, M.
  2023; 25: e49314
- **Opportunities, Challenges, and Future Directions of Generative Artificial Intelligence in Medical Education: Scoping Review.** *JMIR medical education*
  Preiksaitis, C., Rose, C.
  2023; 9: e48785
- **Ghost in the inbox: AI may help alleviate the burden of patient messages.** *Evidence-based nursing*
  Rose, C., Preiksaitis, C.
  2023
- **The evolving role of emergency medicine in family planning services.** *Current opinion in obstetrics & gynecology*
  Preiksaitis, C., Henkel, A.
  2023
- **Characteristics of Emergency Medicine ResidencyPrograms With Unfilled Positions inthe2023 Match.** *Annals of emergency medicine*
  Preiksaitis, C., Krzyzaniak, S., Bowers, K., Little, A., Gottlieb, M., Mannix, A., Gisondi, M. A., Chan, T. M., Lin, M.
  2023
- **ChatGPT is not the solution to physicians' documentation burden.** *Nature medicine*
  Preiksaitis, C., Sinsky, C. A., Rose, C.
  2023
- **Teaching Principles of Medical Innovation and Entrepreneurship Through Hackathons: Case Study and Qualitative Analysis.** *JMIR medical education*
  Preiksaitis, C., Dayton, J. R., Kabeer, R., Bunney, G., Boukhman, M.

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- **Creating a Safe Space for Simulation: Is it Time to Stop Calling Them Confederates?** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
  Preiksaitis, C. M., Lee, M. O., Schertzer, K.
  2022

- **Reprint of: Approach to management of penetrating neck injuries: A case of multiple self-inflicted penetrating knife wounds.** *Disease-a-month : DM*
  Liang, E., Preiksaitis, C., Wagner, A. M.
  2022: 101422

- **Identifying Social Media Competencies for Health Professionals: An International Modified Delphi Study to Determine Consensus for Curricular Design.** *Annals of emergency medicine*
  Yilmaz, Y., Chan, T. M., Thoma, B., Luc, J. G., Haas, M., Preiksaitis, C., Tran, V., Gottlieb, M.
  2022

- **Symptomatic Respiratory Virus Infection and Chronic Lung Allograft Dysfunction.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
  Fisher, C. E., Preiksaitis, C. M., Lease, E. D., Edelman, J., Kirby, K. A., Leisenring, W. M., Raghu, G., Boeckh, M., Limaye, A. P.
  2016; 62 (3): 313-319

- **A patient self-collection method for longitudinal monitoring of respiratory virus infection in solid organ transplant recipients.** *Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology*
  Preiksaitis, C. M., Kuypers, J. M., Fisher, C. E., Campbell, A. P., Jerome, K. R., Huang, M. L., Boeckh, M., Limaye, A. P.
  2015; 62: 98-102

- **Correspondence on the paper by Bridevaux et al.** *Thorax*
  Preiksaitis, C. M., Limaye, A. P.
  2014; 69 (1): 82