



Debadutta (Dev) Dash, MD, MPH

Clinical Assistant Professor, Emergency Medicine

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Stanford Dept of Emergency Medicine**

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Bio

BIO

Dr. Dash is an emergency medicine physician. He delivers care in the Stanford Health Care level 1 trauma center. He is an assistant professor in the Department of Emergency Medicine at Stanford University School of Medicine.

He received fellowship training in clinical informatics at Stanford Health Care. He earned a Master of Public Health (MPH) degree from Harvard University.

His research interests include computer vision and natural language processing. He is also interested in quality assurance and quality improvement in digital health initiatives.

Other research projects of Dr. Dash include development of an image classification algorithm that helps predict hypoxic outcomes. He also worked on the development of a hardware and software system designed to provide real-time feedback about cardiac function at the patient's bedside.

Dr. Dash was vice president of the American Medical Informatics Association Clinical Fellows while completing his fellowship. He was also a post-doctoral research fellow at the Stanford University Center for Artificial Intelligence in Medicine & Imaging.

He is a member of the American College of Emergency Physicians and American Academy of Emergency Medicine.

He speaks English and Oriya fluently. He also speaks, reads, and writes Japanese and Spanish with intermediate competence.

His interests outside of patient care include piano, computer programming, sustainable energy projects, and cooking multi-course East Asian meals.

CLINICAL FOCUS

- Artificial Intelligence

- Clinical Informatics
- Emergency Medicine

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Emergency Medicine

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Sigma Pi Sigma (2008 - present)
- Member, ACEP (2018 - present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Clinical Informatics Fellowship (2022) CA
- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2019)
- Residency: University Hospitals Cleveland Medical Center Emergency Medicine Program (2018) OH
- Medical Education: Baylor College of Medicine (2013) TX
- MPH, Harvard School of Public Health , Epidemiology & Statistics (2018)
- BS, University of Texas at Austin , Radiation Physics (2008)
- MD, Baylor College of Medicine (2013)

Publications

PUBLICATIONS

- **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
- **Target Product Profile to Evaluate the Clinical Utility, Financial Impact, and Ethical Implications of an AI-Based HCM Detection Model**
Parsa, S., Keyes, T., Dash, D., Mello, M., Salisbury, H., Callahan, A., Goto, S., Salerno, M., Parikh, V., Mahaffey, K., Ashley, E., Shah, N., Jain, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Feasibility of Automated Precharting using GPT-4 in New Specialty Referrals.** *AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science*
Liang, A. S., Banda, J. M., Savage, T., Pandya, A., Carey, R., Megwalu, U. C., Chang, M. T., Dash, D., Corbin, C. K., Sharma, A., Thapa, R., Kotecha, N., Shah, et al
2025; 2025: 312-321
- **Developing ICU Clinical Behavioral Atlas Using Ambient Intelligence and Computer Vision.** *NEJM AI*
Dai, W., Adeli, E., Luo, Z., Dash, D., Lakshmikanth, S., Durante, Z., Tang, P., Kaushal, A., Milstein, A., Fei-Fei, L., Schulman, K.
2025; 2 (2)
- **Toward expert-level medical question answering with large language models.** *Nature medicine*
Singhal, K., Tu, T., Gottweis, J., Sayres, R., Wulczyn, E., Amin, M., Hou, L., Clark, K., Pfohl, S. R., Cole-Lewis, H., Neal, D., Rashid, Q. M., Schaeckermann, et al
2025
- **Feasibility of Automated Precharting using GPT-4 in New Specialty Referrals.** *AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science*
Liang, A. S., Banda, J. M., Savage, T., Pandya, A., Carey, R., Megwalu, U. C., Chang, M. T., Dash, D., Corbin, C. K., Sharma, A., Thapa, R., Kotecha, N., Shah, et al
2025; 2025: 312-321
- **Hospitalization prediction from the emergency department using computer vision AI with short patient video clips.** *NPJ digital medicine*

- Ip, W., Xenochristou, M., Sui, E., Ruan, E., Ribeira, R., Dash, D., Srinivasan, M., Artandi, M., Omiye, J. A., Scoulios, N., Hofmann, H. L., Mottaghi, A., Weng, et al
2024; 7 (1): 371
- **Testing and Evaluation of Health Care Applications of Large Language Models: A Systematic Review.** *JAMA*
Bedi, S., Liu, Y., Orr-Ewing, L., Dash, D., Koyejo, S., Callahan, A., Fries, J. A., Wornow, M., Swaminathan, A., Lehmann, L. S., Hong, H. J., Kashyap, M., Chaurasia, et al
2024
 - **Standing on FURM Ground: A Framework for Evaluating Fair, Useful, and Reliable AI Models in Health Care Systems** *NEJM CATALYST INNOVATIONS IN CARE DELIVERY*
Callahan, A., McElfresh, D., Banda, J. M., Bunney, G., Char, D., Chen, J., Corbin, C. K., Dash, D., Downing, N. L., Jain, S. S., Kotecha, N., Masterson, J., Mello, et al
2024; 5 (10)
 - **Using an artificial intelligence software improves emergency medicine physician intracranial haemorrhage detection to radiologist levels.** *Emergency medicine journal : EMJ*
Warman, P., Warman, A., Warman, R., Degnan, A., Blickman, J., Smith, D., McHale, P., Coburn, Z., McCormick, S., Chowdhary, V., Dash, D., Sangal, R., Vadhan, et al
2024
 - **Pseudo-randomized testing of a discharge medication alert to reduce free-text prescribing.** *Applied clinical informatics*
Rabbani, N., Ho, M., Dash, D., Calway, T., Morse, K., Chadwick, W.
2023
 - **AI-ENABLED ASSESSMENT OF CARDIAC FUNCTION AND VIDEO QUALITY IN EMERGENCY DEPARTMENT POINT-OF-CARE ECHOCARDIOGRAMS.** *The Journal of emergency medicine*
He, B., Dash, D., Duanmu, Y., Tan, T. X., Ouyang, D., Zou, J.
2023
 - **Investigating real-world consequences of biases in commonly used clinical calculators.** *The American journal of managed care*
Yoo, R. M., Dash, D., Lu, J. H., Genkins, J. Z., Rabbani, N., Fries, J. A., Shah, N. H.
2023; 29 (1): e1-e7
 - **Paging the Clinical Informatics Community: Respond STAT to Dobbs v Jackson's Women's Health Organization.** *Applied clinical informatics*
Arvais-Anhalt, S., Ravi, A., Weia, B., Aarts, J., Ahmad, H. B., Araj, E., Bauml, J. A., Benham-Hutchins, M., Boyd, A. D., Brecht-Doscher, A., Butler-Henderson, K., Butte, A., Cardillo, et al
2022
 - **Deep Learning System Boosts Radiologist Detection of Intracranial Hemorrhage.** *Cureus*
Warman, R., Warman, A., Warman, P., Degnan, A., Blickman, J., Chowdhary, V., Dash, D., Sangal, R., Vadhan, J., Bueso, T., Windisch, T., Neves, G.
2022; 14 (10): e30264
 - **Assessment of Adherence to Reporting Guidelines by Commonly Used Clinical Prediction Models From a Single Vendor: A Systematic Review.** *JAMA network open*
Lu, J. H., Callahan, A., Patel, B. S., Morse, K. E., Dash, D., Pfeffer, M. A., Shah, N. H.
2022; 5 (8): e2227779
 - **Building a Learning Health System: Creating an Analytical Workflow for Evidence Generation to Inform Institutional Clinical Care Guidelines.** *Applied clinical informatics*
Dash, D., Gokhale, A., Patel, B. S., Callahan, A., Posada, J., Krishnan, G., Collins, W., Li, R., Schulman, K., Ren, L., Shah, N. H.
2022; 13 (1): 315-321