Stanford

Ashwin K Nayak

Clinical Assistant Professor, Medicine

CLINICAL OFFICE (PRIMARY)

- **Dept of Medicine**

  300 Pasteur Dr Rm H0110

  Stanford, CA 94305

  Tel (650) 725-5071   **Fax** (650) 725-8381

Bio

BIO

Ashwin Nayak M.D., M.S. is a Clinical Assistant Professor at the Stanford School of Medicine. He completed his M.D. at the University of Illinois at Chicago College of Medicine and Internal Medicine residency at Stanford. He completed his master's degree in Clinical Informatics Management at Stanford University and is board-certified in Clinical Informatics. He has a background in machine learning and app development, and has research interests in large language models, conversational AI and digital therapeutics. He currently practices as an academic hospitalist at Stanford.

CLINICAL FOCUS

- Internal Medicine
- Clinical Informatics

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine

ADMINISTRATIVE APPOINTMENTS

- Section Chief, Med 7, Stanford University, (2022- present)

PROFESSIONAL EDUCATION

- Board Certification, American Board of Preventive Medicine , Clinical Informatics (2023)
- MS, Stanford University , Clinical Informatics Management (2022)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2021)
- Residency: Stanford University Internal Medicine Residency (2021) CA
- Medical Education: University of Illinois College of Medicine (2018) IL

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Conversational AI, Large Language Models, Digital Therapeutics

CLINICAL TRIALS

- Managing Insulin With a Voice AI, Not Recruiting

Publications

PUBLICATIONS

- **Diagnostic reasoning prompts reveal the potential for large language model interpretability in medicine.** *NPJ digital medicine*
  Savage, T., Nayak, A., Gallo, R., Rangan, E., Chen, J. H.
  2024; 7 (1): 20

- **Use of Voice-Based Conversational Artificial Intelligence for Basal Insulin Prescription Management Among Patients With Type 2 Diabetes: A Randomized Clinical Trial.** *JAMA network open*
  Nayak, A., Vakili, S., Nayak, K., Nikolov, M., Chiu, M., Sosseinheimer, P., Talamantes, S., Testa, S., Palanisamy, S., Giri, V., Schulman, K.
  2023; 6 (12): e2340232

- **Comparison of History of Present Illness Summaries Generated by a Chatbot and Senior Internal Medicine Residents.** *JAMA internal medicine*
  Nayak, A., Alkaitis, M. S., Nayak, K., Nikolov, M., Weinfurt, K. P., Schulman, K.
  2023

- **Reactivation of Chagas Disease in a Patient With an Autoimmune Rheumatic Disease: Case Report and Review of the Literature.** *Open forum infectious diseases*
  Czech, M. M., Nayak, A. K., Subramanian, K. n., Suarez, J. F., Ferguson, J. n., Jacobson, K. B., Montgomery, S. P., Chang, M. n., Bae, G. H., Raghavan, S. S., Wang, H. n., Miranti, E. n., Budvytiene, et al
  2021; 8 (2): ofaa642

- **A DEEP LEARNING ALGORITHM ACCURATELY DETECTS PERICARDIAL EFFUSION ON ECHOCARDIOGRAPHY**
  Nayak, A., Ouyang, D., Ashley, E. A.
  ELSEVIER SCIENCE INC.2020: 1563

- **Patient-centered design in developing a mobile application for oral anticancer medications** *JOURNAL OF THE AMERICAN PHARMACISTS ASSOCIATION*
  Crawford, S. Y., Boyd, A. D., Nayak, A. K., Venepalli, N. K., Cuellar, S., Wirth, S. M., Hsu, G.
  2019; 59 (2): S586-+

- **Visual Recognition Software for Binary Classification and Its Application to Spruce Pollen Identification** *PLOS ONE*
  Tcheng, D. K., Nayak, A. K., Fowlkes, C. C., Punyasena, S. W.
  2016; 11 (2): e0148879

- **Semi-automated segmentation of pollen grains in microscopic images: a tool for three imaging modes** *GRANA*
  Johnsrud, S., Yang, H., Nayak, A., Punyasena, S.
  2013; 52 (3): 181-191