



## Timothy Tsai

Clinical Assistant Professor, Medicine - Primary Care and Population Health

### **CLINICAL OFFICE (PRIMARY)**

2518 Mission College Blvd Ste 101

Santa Clara, CA 95054

**Tel** (408) 688-9720     **Fax** (408) 688-9730

### **Bio**

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#### **BIO**

Dr. Tsai is a board-certified family medicine physician, clinical informaticist, and trained in osteopathy. He is a clinical assistant professor in the Stanford University School of Medicine Department of Medicine – Primary Care and Population Health. Prior to joining Stanford Health Care, he obtained a Master of Management in clinical informatics from Duke University.

Dr. Tsai seeks to improve clinician workflows and patient care by applying his knowledge of clinical informatics. His innovations allow providers to quickly access, share, and document information to advance patient care. He has also held many notable leadership, educational, and quality control positions throughout his career.

Dr. Tsai investigates ways to maximize the time clinicians spend with patients. He expedites and standardizes communication between health care providers and patients through the integration of mobile devices and remote patient monitoring programs. He streamlines the documentation process by updating electronic medical record tools and creating more efficient patient questionnaires to optimize the quality of care.

He has presented his research orally or in poster format at the American Medical Informatics Association, Family Medicine Education Consortium, and American Association of Neuromuscular and Electrophysiology Medicine. As a medical student, Dr. Tsai developed an open online osteopathic manipulation course, enrolling over 1,200 students. As a clinical fellow at Duke, he co-authored a textbook chapter on the future of health informatics.

#### **CLINICAL FOCUS**

- Family Medicine
- Clinical Informatics
- Artificial Intelligence

#### **ACADEMIC APPOINTMENTS**

- Clinical Assistant Professor, Medicine - Primary Care and Population Health

## PROFESSIONAL EDUCATION

- Board Certification: Clinical Informatics, American Board of Family Medicine (2023)
- Fellowship: Duke University Hospital (2022) NC
- Board Certification: Family Medicine, American Board of Family Medicine (2020)
- Residency: Overlook Medical Center - Atlantic Health System (2020) NJ
- Medical Education: Rowan University School of Osteopathic Medicine Registrar (2017) NJ

## Teaching

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## GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Clinical Informatics (Fellowship Program)

## Publications

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### PUBLICATIONS

- **Transforming the Primary Care Journey with Generative AI: A Foundation Model to Boost Efficiency, Quality, and Engagement.** *Journal of general internal medicine*  
Yang, B., Lee, J. J., Tsai, T., Sattler, A. L., Shah, S., Smith, M. A., Lin, S.  
2025
- **Data Transformation to Advance AI/ML Research and Implementation in Primary Care.** *Annals of family medicine*  
Tsai, T., Lee, J. J., Phillips, R., Lin, S.  
2025; 23 (4): 363-367
- **Evaluation of SNOMED CT Grouper Accuracy and Coverage in Organizing the Electronic Health Record Problem List by Clinical System: Observational Study.** *JMIR medical informatics*  
Senior, R., Tsai, T., Ratliff, W., Nadler, L., Balu, S., Malcolm, E., McPeck Hinz, E.  
2024; 12: e51274
- **Building Pandemic-Resilient Primary Care Systems: Lessons Learned From COVID-19.** *Journal of medical Internet research*  
Jeong, Y., Crowell, T., Devon-Sand, A., Sakata, T., Sattler, A., Shah, S., Tsai, T., Lin, S.  
2024; 26: e47667