

# Stanford

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## Steven Lin

Clinical Associate Professor, Medicine - Primary Care and Population Health

### CLINICAL OFFICES

- **Stanford Family Medicine**

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### Bio

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#### BIO

Dr. Lin is an expert clinician, educator, researcher, and administrator in the specialty of family medicine. He earned his MD from Stanford University School of Medicine and completed his medical training at Stanford's family medicine residency program at O'Connor Hospital. Dr. Lin is certified by the American Board of Family Medicine and is an active member of the Society of Teachers of Family Medicine. He has received numerous national awards and is recognized among the top family physicians in the United States.

Dr. Lin cares for people of all ages, often for members of the same family. He has a particular interest in preventive cardiology, diabetes, hepatitis B, and mental health. He is proficient in a wide range of primary care procedures – including over 40 different skin, musculoskeletal, and women's health procedures that are performed in the office. Dr. Lin is fluent in Mandarin Chinese and provides the highest quality, evidence-based, culturally competent care to people of all backgrounds.

Dr. Lin is the Medical Director of Stanford Family Medicine and the Vice Chief for Technology Innovation in the Division of Primary Care and Population Health at Stanford. He is the founder of three nationally recognized programs – the O'Connor-Stanford Leaders in Education Residency Program (OSLER), the Stanford Medical Scribe Fellowship (COMET), and the Stanford Healthcare AI Applied Research Team (HEA3RT).

Dr. Lin is the author of over 200 scholarly works and conference presentations. His research covers a broad range of primary care topics. His current focus is on artificial intelligence in medicine. Dr. Lin is an expert consultant and mentor to technology companies in the United States, Canada, Europe, and Asia.

#### CLINICAL FOCUS

- Family Medicine

#### ACADEMIC APPOINTMENTS

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

## ADMINISTRATIVE APPOINTMENTS

- Founder and Executive Director, Stanford Healthcare AI Applied Research Team (HEA3RT), (2019- present)
- Vice Chief for Technology Innovation, Division of Primary Care and Population Health, (2019- present)
- Medical Director, Stanford Family Medicine, (2016- present)
- Associate Chief for Medical Education, Division of Primary Care and Population Health, (2016-2019)
- Founder and Executive Director, Stanford Medical Scribe Fellowship (COMET), (2015- present)
- Founder and Co-Director, Family Medicine Minor Procedure Service, (2015-2017)
- Co-Founder and Director of Program Development, Stanford Healthcare Innovations and Experiential Learning Directive (SHIELD), (2014-2018)
- Co-Medical Director, Arbor Free Clinic, (2013-2016)
- Associate, Educators-4-CARE (E4C) Program, (2011-2015)
- Founder and Director, O'Connor-Stanford Leaders in Education Residency (OSLER) Program, (2010-2015)

## HONORS AND AWARDS

- Innovations in Clinical Care Award, Stanford Health Care (2018)
- Oral Presentation of Distinction, Teaching and Mentoring Academy, Stanford University School of Medicine (2017)
- Board of Directors Member at Large, Society of Teachers of Family Medicine (2017-2020)
- President's Award, Society of Teachers of Family Medicine (2017)
- Division Teaching Award, Department of Medicine, Stanford University School of Medicine (2017)
- Clinician Educator Research Award, Division of Primary Care and Population Health, Stanford University School of Medicine (2016)
- New Faculty Scholar Award, Society of Teachers of Family Medicine (2016)
- Pisacano Leadership Foundation Alumni Award, American Board of Family Medicine (2015)
- The Arthur L. Bloomfield Award in Recognition of Excellence in the Teaching of Clinical Medicine, Stanford University School of Medicine (2015)
- Faculty for Tomorrow Task Force Member, Society of Teachers of Family Medicine (2015-2017)
- Preceptor of the Year, California Academy of Family Physicians Foundation (2015)
- Clinician Educator Research Award, Division of General Medical Disciplines, Stanford University School of Medicine (2014)
- Year of the Family Physician Member Spotlight, California Academy of Family Physicians (2014)
- Citation in National Hepatitis B Screening Recommendations, U.S. Preventive Services Task Force (2014)
- National Innovative Program Award, Society of Teachers of Family Medicine (2014)
- William C. Fowkes, Jr., MD Teaching Award, O'Connor Hospital, Society of Teachers of Family Medicine (2013)
- Award for Excellence in Graduate Medical Education, American Academy of Family Physicians (2012)
- Citation in National Viral Hepatitis Action Plan, U.S. Department of Health and Human Services (2011)
- Citation in National Report on Hepatitis and Liver Cancer, Institute of Medicine (2010)
- Pisacano Scholar, The Pisacano Leadership Foundation, American Board of Family Medicine (2009)
- Community Outreach Award, American Academy of Family Physicians (2008)
- Angels in Medicine Award, Angels in Medicine (2008)
- Vera Moulton Wall Center Award in Arts, Humanities and Medicine, Stanford Center for Biomedical Ethics (2008)
- Schweitzer Fellow, The Albert Schweitzer Fellowship (2007)
- William J. Griffith University Service Award, Duke University (2006)
- Rainbow of Heroes Award, Pediatric Bone Marrow Transplantation Program, Duke Comprehensive Cancer Center (2005)

- Serena WuDunn Memorial Scholar, Duke University (2005)
- Phi Beta Kappa, Duke University (2004)
- Howard Hughes Research Fellow, Howard Hughes Medical Institute (2004)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Diplomate, American Board of Family Medicine (2013 - present)
- Member, American Academy of Family Physicians (2010 - present)
- Member, California Academy of Family Physicians (2010 - present)
- Member, Society of Teachers of Family Medicine (2010 - present)

## PROFESSIONAL EDUCATION

- Residency: Stanford O'Connor Family Medicine Residency (2013) CA
- Internship: Stanford O'Connor Family Medicine Residency (2011) CA
- Medical Education: Stanford University School of Medicine Registrar (2010) CA
- Board Certification: Family Medicine, American Board of Family Medicine (2013)
- Bachelor of Science, Duke University , NC (2006)

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Artificial intelligence in healthcare

Primary care and population health

Value added medical education

## Teaching

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### COURSES

#### 2016-17

- Clinical Skills for Patient Care in Free Clinics: MED 241 (Win, Spr)
- Early Clinical Experience at the Cardinal Free Clinics: MED 182, MED 282 (Aut, Spr)
- Interprofessional Management of Population Health with Advanced Computer Technology I: FAMMED 250A (Aut)
- Medical Interpreting at the Cardinal Free Clinics: The Qualified Bilingual Student Program: MED 149 (Win)
- Patient Health Education in Community Clinics: MED 143A, MED 243A (Aut, Win)
- Patient Health Education in Community Clinics - Practicum: MED 143B, MED 243B (Win)

## Publications

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### PUBLICATIONS

- **The Present and Future of Team Documentation: The Role of Patients, Families, and Artificial Intelligence.** *Mayo Clinic proceedings*  
Lin, S.  
2020; 95 (5): 852–55
- **Scribe impacts on US health care: Benefits may go beyond cost efficiency.** *The Journal of allergy and clinical immunology*  
Reick-Mitrisin, V., MacDonald, M., Lin, S., Hong, S.  
2020; 145 (2): 479–80

- **Ten Ways Artificial Intelligence Will Transform Primary Care** *JOURNAL OF GENERAL INTERNAL MEDICINE*  
Lin, S. Y., Mahoney, M. R., Sinsky, C. A.  
2019; 34 (8): 1626–30
- **Clinical Documentation and Patient Care Using Artificial Intelligence in Radiation Oncology.** *Journal of the American College of Radiology : JACR*  
Luh, J. Y., Thompson, R. F., Lin, S.  
2019
- **One Year of Family Physicians' Observations on Working with Medical Scribes.** *Journal of the American Board of Family Medicine : JABFM*  
Sattler, A., Rydel, T., Nguyen, C., Lin, S.  
; 31 (1): 49–56
- **Incorporating the Patient Voice Into Practice Improvement: A Role for Medical Trainees.** *Family medicine*  
Hsu, K. Y., Contreras, V. M., Vollrath, K., Cuan, N., Lin, S.  
2019; 51 (4): 348–52
- **Patient preferences for receiving test results at San Francisco Bay Area free clinics: a multi-site evaluation** *J Stud Run Clin*  
Gururangan, K., Shin, J., Shi, Y., Ye, P., Vaca, S., Gopisetty, D., Leon, D., Leyden, J., Lin, S.  
2019; 5 (1): 1-7
- **Identifying Opportunities to Improve Intimate Partner Violence Screening in a Primary Care System.** *Family medicine*  
Sharples, L., Nguyen, C., Singh, B., Lin, S.  
2018; 50 (9): 702–5
- **Residents' Perspectives on Careers in Academic Medicine: Obstacles and Opportunities.** *Family medicine*  
Lin, S., Nguyen, C., Walters, E., Gordon, P.  
2018; 50 (3): 204–11
- **A Model Medical Student-Led Interprofessional QI Project on Lab Monitoring** *PRiMER*  
Kim, C., Lin, S., Sattler, A.  
2018
- **Impact of Scribes on Medical Student Education: A Mixed-Methods Pilot Study.** *Family medicine*  
Hafer, J., Wu, X., Lin, S.  
2018; 50 (4): 283–86
- **Reimagining Clinical Documentation With Artificial Intelligence.** *Mayo Clinic proceedings*  
Lin, S. Y., Shanafelt, T. D., Asch, S. M.  
2018
- **RIME and Reason: A Medical Student Perspective of Clinical Training in Student-Run Free Clinics** *J Stud Run Clin*  
Gururangan, K., Lin, S.  
2018; 4 (1): 1-5
- **Preparing Residents for Teaching Careers: The Faculty for Tomorrow Resident Workshop** *FAMILY MEDICINE*  
Lin, S., Gordon, P.  
2017; 49 (3): 225-229
- **Rethinking empathy decline: results from an OSCE.** *The clinical teacher*  
Teng, V. C., Nguyen, C., Hall, K. T., Rydel, T., Sattler, A., Schillinger, E., Weinlander, E., Lin, S.  
2017
- **An Academic Achievement Calculator for Clinician-Educators in Primary Care.** *Family medicine*  
Lin, S., Mahoney, M., Singh, B., Schillinger, E.  
2017; 49 (8): 640–43
- **Creating the medical school of the future through incremental curricular transformation: the Stanford Healthcare Innovations and Experiential Learning Directive (SHIELD)** *EDUCATION FOR PRIMARY CARE*  
Lin, S., Osborn, K., Sattler, A., Nelligan, I., Svec, D., Aaronson, A., Schillinger, E.  
2017; 28 (3): 180–84

- **Impact of Scribes on Physician Satisfaction, Patient Satisfaction, and Charting Efficiency: A Randomized Controlled Trial.** *Annals of family medicine*  
Gidwani, R., Nguyen, C., Kofoed, A., Carragee, C., Rydel, T., Nelligan, I., Sattler, A., Mahoney, M., Lin, S.  
2017; 15 (5): 427–33
- **Actual and Standardized Patient Evaluations of Medical Students' Skills.** *Family medicine*  
Sattler, A. L., Merrell, S. B., Lin, S. Y., Schillinger, E.  
2017; 49 (7): 548–52
- **Providing Specialty Care for the Poor and Underserved at Student-Run Free Clinics in the San Francisco Bay Area.** *Journal of health care for the poor and underserved*  
Liu, M. B., Xiong, G., Boggiano, V. L., Ye, P. P., Lin, S.  
2017; 28 (4): 1276–85
- **Impact of a scholarly track on quality of residency program applicants.** *Education for primary care : an official publication of the Association of Course Organisers, National Association of GP Tutors, World Organisation of Family Doctors*  
Celebi, J. M., Nguyen, C. T., Sattler, A. L., Stevens, M. B., Lin, S. Y.  
2016; 27 (6): 478-481
- **Qualities of Resident Teachers Valued by Medical Students** *FAMILY MEDICINE*  
Montacute, T., Teng, V. C., Yu, G. C., Schillinger, E., Lin, S.  
2016; 48 (5): 381-384
- **Training Future Clinician-Educators: A Track for Family Medicine Residents.** *Family medicine*  
Lin, S., Sattler, A., Chen Yu, G., Basaviah, P., Schillinger, E.  
2016; 48 (3): 212-216
- **Next big thing: integrating medical scribes into academic medical centres** *BMJ STEL*  
Lin, S., Khoo, J., Schillinger, E.  
2016; 2: 27-29
- **Codes and Pheos.** *Journal of general internal medicine*  
Lin, S.  
2016
- **Hepatitis B Screening in Asian and Pacific Islanders: New Guidelines, Old Barriers** *JOURNAL OF IMMIGRANT AND MINORITY HEALTH*  
Nguyen, C. T., Lin, S. Y.  
2015; 17 (5): 1585-1587
- **Value-added medical education: engaging future doctors to transform health care delivery today.** *Journal of general internal medicine*  
Lin, S. Y., Schillinger, E., Irby, D. M.  
2015; 30 (2): 150-151
- **Documentation and treatment of hypertension: quality of care and missed opportunities in a family medicine resident clinic.** *Postgraduate medical journal*  
So, P., Lin, S. Y.  
2015; 91 (1071): 30-34
- **Always Learning: Why I Build Smartphone Apps** *California Family Physician*  
Lin, S.  
2015; 66 (2): 24,26
- **Effectiveness of a smartphone app for guiding antidepressant drug selection.** *Family medicine*  
Man, C., Nguyen, C., Lin, S.  
2014; 46 (8): 626-630
- **The Symptom Cluster-Based Approach to Individualize Patient-Centered Treatment for Major Depression** *JOURNAL OF THE AMERICAN BOARD OF FAMILY MEDICINE*  
Lin, S. Y., Stevens, M. B.  
2014; 27 (1): 151-159
- **Renewing US medical students' interest in primary care: bridging the role model gap** *POSTGRADUATE MEDICAL JOURNAL*

Teng, V. C., Lin, S. Y.  
2014; 90 (1059): 1-2

- **Stopping a Silent Killer in the Underserved Asian and Pacific Islander Community: A Chronic Hepatitis B and Liver Cancer Prevention Clinic by Medical Students** *ASIAN PACIFIC JOURNAL OF CANCER PREVENTION*  
Lin, S. Y., Chang, E. T., So, S. K.  
2009; 10 (3): 383-386
- **Building partnerships with Traditional Chinese Medicine Practitioners to increase hepatitis B awareness and prevention** *JOURNAL OF ALTERNATIVE AND COMPLEMENTARY MEDICINE*  
Chang, E. T., Lin, S. Y., Sue, E., Bergin, M., Su, J., So, S. K.  
2007; 13 (10): 1125-1127
- **Why we should routinely screen Asian American adults for hepatitis B: A cross-sectional study of Asians in California** *HEPATOLOGY*  
Lin, S. Y., Chang, E. T., So, S. K.  
2007; 46 (4): 1034-1040
- **Hepatitis B and liver cancer knowledge and preventive practices among Asian Americans in the San Francisco Bay Area, California** *ASIAN PACIFIC JOURNAL OF CANCER PREVENTION*  
Wu, C. A., Lin, S. Y., So, S. K., Chang, E. T.  
2007; 8 (1): 127-134
- **The fiery debate over children's health** *H&P*  
Lin, S.  
2007; 12 (1): 12-13
- **Bush's stem cell veto: ideology before science, politics before patients** *H&P*  
Lin, S.  
2007; 11 (3): 10-11
- **To list or not to list: two cases of mentally retarded children in need of solid organ transplants** *H&P*  
Lin, S.  
2007; 11 (2): 10-11
- **Sex, friendship and confidentiality** *H&P*  
Lin, S.  
2006; 11 (1): 11