Stanford



# Ron Li

Clinical Associate Professor, Medicine


### CLINICAL OFFICE (PRIMARY)

- **Hospitalist for Stanford Medical Center**

  500 Pasteur Dr

  Stanford, CA 94305

  **Tel** (650) 723-8287 **Fax** (650) 736-1936


## Bio

### BIO

Ron Li is a Clinical Associate Professor of Medicine in the Division of Hospital Medicine at Stanford University School of Medicine. As the Medical Director for Digital Health at Stanford Health Care, he provides direction for the health system's enterprise digital health portfolio, including expanding digital referral networks and virtual care modalities. He is also the founding Medical Director for Stanford Health Care at Home and the co-founder and Director for the Stanford Emerging Applications Lab (SEAL), which helps clinicians and staff build ideas into novel digital products that are prototyped and tested for care delivery at Stanford Health Care.

Ron's academic interests focus on the "delivery science" of new technological capabilities such as digital and artificial intelligence in healthcare and how to design, implement, and evaluate new tech enabled models of care delivery. Ron's work spans across multiple disciplines, including clinical medicine, data science, digital health, information technology, design thinking, process improvement, and implementation science. He has consulted for various companies in the digital health and artificial intelligence space. He is an attending physician on the inpatient medicine teaching service at Stanford Hospital and is the Associate Program Director for the Stanford Clinical Informatics Fellowship.

### CLINICAL FOCUS

- Clinical Informatics
- Hospital Medicine
- Internal Medicine

### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Medicine
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)

### ADMINISTRATIVE APPOINTMENTS

- Medical Director, Stanford Health Care at Home, Stanford Health Care, (2025- present)
- Medical Informatics Director for Digital Health, Stanford Health Care, (2019- present)

- Co-founder and Director, Stanford Emerging Applications Lab (SEAL), (2020- present)

### HONORS AND AWARDS

- Stanford Human Centered AI Seed Grant Recipient, Stanford (2018)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Associate Editor, NPJ Health Systems (2025 - present)

### PROFESSIONAL EDUCATION

- Board Certification: Internal Medicine, American Board of Internal Medicine (2024)
- Board Certification: Clinical Informatics, American Board of Preventive Medicine (2021)
- Board Certification, American Board of Preventive Medicine , Clinical Informatics (2021)
- Fellowship: Stanford University Clinical Informatics Fellowship (2019) CA
- Residency: Stanford University Internal Medicine Residency (2017) CA
- Medical Education: Northwestern University Feinberg School of Medicine (2014) IL
- Internal Medicine Residency, Stanford University
- MD, Northwestern University

### LINKS

- Stanford Emerging Apps Lab (SEAL): http://med.stanford.edu/seal
- Byte to Bedside: https://www.byte2bedside.com/
- LinkedIn: https://www.linkedin.com/in/ronlivs/
- Twitter: https://twitter.com/ronlivs

## Teaching

### COURSES

**2024-25**

- Applied Clinical Informatics Seminar: BIOMEDIN 208 (Spr)

**2023-24**

- Applied Clinical Informatics Seminar: BIOMEDIN 208 (Spr)

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Clinical Informatics (Fellowship Program)

## Publications

### PUBLICATIONS

- **Optimizing Enterprise Referral Processing through Automated Fax Triage.** *NEJM catalyst innovations in care delivery*
  Mui, D., Tran, J. L., Onofre, S., Ramirez, S., Singh, V., Lago, A., Ng-Thow-Hing, J., Lavertu, A., Kaushal, A., Altman, R., Pallas, J., Boosi, S., Gohil, et al
  2026; 7 (5): CAT250273
- **Optimizing Enterprise Referral Processing through Automated Fax Triage** *NEJM CATALYST INNOVATIONS IN CARE DELIVERY*
  Mui, D., Tran, J. L. A., Onofre, S., Ramirez, S., Singh, V., Lago, A., Ng-Thow-Hing, J., Lavertu, A., Kaushal, A., Altman, R., Pallas, J., Boosi, S., Gohil, et al
  2026; 7 (5)

- **A framework for using AI to drive care model transformation: building cars rather than faster horses.** *npj health systems*
  Li, R. C., Rosengaus, L., Gohil, L., Sharp, C., Pfeffer, M. A., Sehgal, N., Entwistle, D., Hofmann, L. V.
  2026; 3 (1)
- **Approach to the Postmarket Evaluation of Consumer Wearable Technologies.** *JAMA cardiology*
  Pundi, K., Bhavnani, S., Seninger, C., Zuckerman, B., Paulsen, J., Aguel, F., Din, N., Viggiano, B., Yoo, R. M., Dalal, N., Go, A. S., Granger, C., Krumholz, et al
  2025
- **The VITALS Framework: Empowering Programs to Leverage Health Information Technology for Trainee-Led Health Care Decarbonization and Climate Adaptation.** *Journal of graduate medical education*
  Vedak, S., DeTata, S. R., Sarabu, C., Leitner, S., Outterson, R., Li, R., Fayanju, O.
  2024; 16 (6 Suppl): 28-34
- **Clinical Evaluations of Early Warning Scores-Reply.** *JAMA internal medicine*
  Gallo, R. J., Geldsetzer, P., Li, R. C.
  2024
- **Effectiveness of an Artificial Intelligence-Enabled Intervention for Detecting Clinical Deterioration.** *JAMA internal medicine*
  Gallo, R. J., Shieh, L., Smith, M., Marafino, B. J., Geldsetzer, P., Asch, S. M., Shum, K., Lin, S., Westphal, J., Hong, G., Li, R. C.
  2024
- **Design and Implementation of an Electronic Health Record-Integrated Hypertension Management Application.** *Journal of the American Heart Association*
  Funes Hernandez, M., Babakhanian, M., Chen, T. P., Sarraju, A., Seninger, C., Ravi, V., Azizi, Z., Tooley, J., Chang, T. I., Lu, Y., Downing, N. L., Rodriguez, F., Li, et al
  2024; 13 (2): e030884
- **Redefining Rare Disease Care in the Digital Age: Insights and Key Takeaways from a Digital Health Symposium Focused on Empowering Rare Disease Communities.** *Biomedicine hub*
  Lewis, E., Dayal, A., Li, R.
  2024; 9 (1): 38-44
- **Lessons Learned from a Multi-Site, Team-Based Serious Illness Care Program Implementation at an Academic Medical Center.** *Journal of palliative medicine*
  Seevaratnam, B., Wang, S., Fong, R., Hui, F., Callahan, A., Chobot, S., Gensheimer, M. F., Li, R. C., Nguyen, D., Ramchandran, K., Shah, N. H., Shieh, L., Zeng, et al
  2023
- **How Chatbots and Large Language Model Artificial Intelligence Systems Will Reshape Modern Medicine: Fountain of Creativity or Pandora's Box?** *JAMA internal medicine*
  Li, R., Kumar, A., Chen, J. H.
  2023
- **Hypophosphatemia, hypokalaemia and rhabdomyolysis associated with a panic attack.** *BMJ case reports*
  Deverett, B., Li, R.
  2023; 16 (3)
- **Targeting Repetitive Laboratory Testing with Electronic Health Records-Embedded Predictive Decision Support: A Pre-Implementation Study.** *Clinical biochemistry*
  Rabbani, N., Ma, S. P., Li, R. C., Winget, M., Weber, S., Boosi, S., Pham, T. D., Svec, D., Shieh, L., Chen, J. H.
  2023
- **Team is brain: leveraging EHR audit log data for new insights into acute care processes.** *Journal of the American Medical Informatics Association : JAMIA*
  Rose, C., Thombley, R., Noshad, M., Lu, Y., Clancy, H. A., Schlessinger, D., Li, R. C., Liu, V. X., Chen, J. H., Adler-Milstein, J.
  2022
- **User-centred design for machine learning in health care: a case study from care management.** *BMJ health & care informatics*
  Seneviratne, M. G., Li, R. C., Schreier, M., Lopez-Martinez, D., Patel, B. S., Yakubovich, A., Kemp, J. B., Loreaux, E., Gamble, P., El-Khoury, K., Vardoulakis, L., Wong, D., Desai, et al

2022; 29 (1)

- **Impact of telemedicine on clinical practice patterns for patients with chest pain in the emergency department.** *International journal of medical informatics*
  Ostberg, N., Ip, W., Brown, I., Li, R.
  2022; 161: 104726

- **Using AI to Empower Collaborative Team Workflows: Two Implementations for Advance Care Planning and Care Escalation** *NEJM Catalyst Innovations in Care Delivery*
  Li, R. C., Smith, M., Lu, J., Avati, A., Wang, S., Teuteberg, W. G., Shum, K., Hong, G., Seevaratnam, B., Westphal, J., Dougherty, M., Rao, P., Asch, et al
  2022; 3 (4)

- **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

- **Considerations in the reliability and fairness audits of predictive models for advance care planning** *Frontiers in Digital Health*
  Lu, J., Sattler, A., Wang, S., Khaki, A. R., Callahan, A., Fleming, S., Fong, R., Ehlert, B., Li, R., Shieh, L., Ramchandran, K., Gensheimer, M., Chobot, et al
  2022: 943768

- **Harnessing the Power of Smart and Connected Health to Tackle COVID-19: IoT, AI, Robotics, and Blockchain for a Better World** *IEEE INTERNET OF THINGS JOURNAL*
  Firouzi, F., Farahani, B., Daneshmand, M., Grise, K., Song, J., Saracco, R., Wang, L., Lo, K., Angelov, P., Soares, E., Loh, P., Talebpour, Z., Moradi, et al
  2021; 8 (16): 12826-12846

- **Predicting and Responding to Clinical Deterioration in Hospitalized Patients by Using Artificial Intelligence: Protocol for a Mixed Methods, Stepped Wedge Study.** *JMIR research protocols*
  Holdsworth, L. M., Kling, S. M., Smith, M., Safaeinili, N., Shieh, L., Vilendrer, S., Garvert, D. W., Winget, M., Asch, S. M., Li, R. C.
  2021; 10 (7): e27532

- **Development and Implementation of a Real-time Bundle-adherence Dashboard for Central Line-associated Bloodstream Infections.** *Pediatric quality & safety*
  Chemparathy, A., Seneviratne, M. G., Ward, A., Mirchandani, S., Li, R., Mathew, R., Wood, M., Shin, A. Y., Donnelly, L. F., Scheinker, D., Lee, G. M.
  2021; 6 (4): e431

- **Rethinking PICO in the Machine Learning Era: ML-PICO.** *Applied clinical informatics*
  Liu, X., Anstey, J., Li, R., Sarabu, C., Sono, R., Butte, A. J.
  2021; 12 (2): 407-416

- **A framework for making predictive models useful in practice.** *Journal of the American Medical Informatics Association : JAMIA*
  Jung, K., Kashyap, S., Avati, A., Harman, S., Shaw, H., Li, R., Smith, M., Shum, K., Javitz, J., Vetteth, Y., Seto, T., Bagley, S. C., Shah, et al
  2020

- **Developing a delivery science for artificial intelligence in healthcare.** *NPJ digital medicine*
  Li, R. C., Asch, S. M., Shah, N. H.
  2020; 3 (1): 107

- **Annals for Hospitalists Inpatient Notes - Realizing the Promises of Hospital Electronic Order Sets.** *Annals of internal medicine*
  Li, R. C., Chen, J. H.
  2020; 173 (4): HO2–HO3

- **Assessment of a Real-Time Locator System to Identify Physician and Nurse Work Locations.** *JAMA network open*
  Li, R. C., Marafino, B. J., Nielsen, D., Baiocchi, M., Shieh, L.
  2020; 3 (2): e1920352

- **Developing a delivery science for artificial intelligence in healthcare.** *NPJ digital medicine*
  Li, R. C., Asch, S. M., Shah, N. H.

2020; 3: 107

- **When order sets do not align with clinician workflow: assessing practice patterns in the electronic health record.** *BMJ quality & safety*
  Li, R. C., Wang, J. K., Sharp, C. n., Chen, J. H.
  2019
- **Impact of problem-based charting on the utilization and accuracy of the electronic problem list** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
  Li, R. C., Garg, T., Cun, T., Shieh, L., Krishnan, G., Fang, D., Chen, J. H.
  2018; 25 (5): 548–54
- **The Impact of Big Data on the Physician** *GUIDE TO BIG DATA APPLICATIONS*
  Le, E., Iyer, S., Patil, T., Li, R., Chen, J. H., Wang, M., Sobel, E.
  edited by Srinivasan, S.
  2018; 26: 415–48
- **Discordance Between Apolipoprotein B and LDL-Cholesterol in Young Adults Predicts Coronary Artery Calcification The CARDIA Study** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Wilkins, J. T., Li, R. C., Sniderman, A., Chan, C., Lloyd-Jones, D. M.
  2016; 67 (2): 193–201
- **Validation of Test Performance and Clinical Time Zero for an Electronic Health Record Embedded Severe Sepsis Alert.** *Applied clinical informatics*
  Rolnick, J., Downing, N. L., Shepard, J., Chu, W., Tam, J., Wessels, A., Li, R., Dietrich, B., Rudy, M., Castaneda, L., Shieh, L.
  2016; 7 (2): 560-572
- **Psoriasis is associated with decreased plasma adiponectin levels beyond cardiometabolic risk factors** *Clinical and Experimental Dermatology*
  Li, R. C., Krishnamoorthy, P., DerOhannessian, S., Doveikis, J., Wilcox, M., Rader, D. J., Reilly, M. P., Van Voorhees, A., Gelfand, J. M., Mehta , N. N.
  2014; 39 (1)
- **Dietary vitamin K intake and anticoagulation control during the initiation phase of warfarin therapy: A prospective cohort study** *THROMBOSIS AND HAEMOSTASIS*
  Liu, R. C., Finkelman, B. S., Chen, J., Booth, S. L., Bershaw, L., Brensinger, C., Kimmel, S. E.
  2013; 110 (1): 195–96
- **Abnormal lipoprotein particles and cholesterol efflux capacity in patients with psoriasis** *Atherosclerosis*
  Mehta, N. N., Li, R. C., Krishanmoorthy, P., Farver, W., Rodrigues, A., Raper, A., Wilcox, M., Baer, A., DerOhannessian, S., Wolfe, S., Reilly, M. P., Rader, D. J., Van Voorhees, et al
  2012; 224 (1)