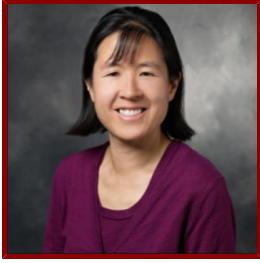


# Stanford

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## Lisa Shieh, MD, PhD

Clinical Professor, Medicine

### CLINICAL OFFICES

- **Hospitalist for Stanford Medical Center**

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Stanford, CA 94305

Tel (650) 723-8287

Fax (650) 723-8596

### Bio

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### CLINICAL FOCUS

- Internal Medicine

### ACADEMIC APPOINTMENTS

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

### ADMINISTRATIVE APPOINTMENTS

- Hospitalist, Division of GIM, Stanford University, (1999- present)
- Medical Director, B3/C3 Inpatient Unit, Stanford Healthcare, (2006- present)
- Medical Director for Quality, Department of Medicine, Stanford University School of Medicine, (2011- present)

### HONORS AND AWARDS

- Fellowship, National Science Foundation Fellowship (1989-1992)
- Fellowship, Tau Beta Pi Engineering Fellowship (1989)
- Fellowship, DuPont Fellowship in Chemical Engineering (1989)
- Most Outstanding Senior Women in Engineering, Purdue University (1989)
- Purdue Alumni Foundation Award, Purdue University (1989)
- Purdue Outstanding Chemical Engineering Senior, Purdue University (1989)
- Award for Service and Leadership, Omega Chi Epsilon (1989)

### PROFESSIONAL EDUCATION

- Residency: Stanford University Internal Medicine Residency (1999) CA
- Medical Education: Harvard Medical School (1996) MA
- Board Certification: Internal Medicine, American Board of Internal Medicine (1999)
- Residency, Stanford Univ Medical Center , Internal Medicine (1999)

- MD, Harvard University , Medicine (1996)
- PhD, MIT , Medical Engineering (1995)
- BS, Purdue University , Chemical Engineering (1989)

## Teaching

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### COURSES

#### 2021-22

- Elective in Quality Improvement, Patient Safety, and Organizational Change: MED 344A (Aut, Win, Spr, Sum)
- Principles and Practice of Healthcare Quality Improvement: MED 210 (Aut, Win)
- Stanford Health Consulting Group - Core: MED 279 (Aut, Win, Spr)
- Stanford Health Consulting Group- Leadership: MED 278 (Aut, Win, Spr)

#### 2020-21

- Elective in Quality Improvement, Patient Safety, and Organizational Change: MED 344A (Aut, Win, Spr, Sum)
- Principles and Practice of Healthcare Quality Improvement: MED 210 (Aut, Win)
- Stanford Health Consulting Group - Core: MED 279 (Aut, Win, Spr)
- Stanford Health Consulting Group- Leadership: MED 278 (Aut, Win, Spr)

#### 2019-20

- Elective in Quality Improvement, Patient Safety, and Organizational Change: MED 344A (Aut, Win, Spr, Sum)
- Principles and Practice of Healthcare Quality Improvement: MED 210 (Aut, Win, Spr)
- Stanford Health Consulting Group- Leadership: MED 278 (Aut, Win, Spr, Sum)
- Stanford Health Consulting Group - Core: MED 279 (Aut, Win, Spr)

#### 2018-19

- Clinical Elective in Quality Improvement, Patient Safety, and Organizational Change: MED 344A (Aut, Win, Spr, Sum)
- Principles and Practice of Healthcare Quality Improvement: MED 210 (Aut, Win, Spr)
- Stanford Health Consulting Group- Leadership: MED 278 (Aut, Win, Spr)
- Stanford Health Consulting Group - Core: MED 279 (Aut, Win, Spr)

### STANFORD ADVISEES

#### Med Scholar Project Advisor

Kush Gupta, Gabriela (Gaby) Ruiz Colon, Nick Zehner

## Publications

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### PUBLICATIONS

- **Reducing Telemetry Use Is Safe: A Retrospective Analysis of Rapid Response Team and Code Events After a Successful Intervention to Reduce Telemetry Use** *AMERICAN JOURNAL OF MEDICAL QUALITY*  
Xie, L., Garg, T., Svec, D., Hom, J., Kaimal, R., Ahuja, N., Barnes, J., Shieh, L.  
2019; 34 (4): 398–401
- **How Much Time are Physicians and Nurses Spending Together at the Patient Bedside?** *Journal of hospital medicine*  
Sang, A. X., Tisdale, R. L., Nielsen, D., Loica-Mersa, S., Miller, T., Chong, I., Shieh, L.  
2019; 14: E1–E6

- **Electronic health record-based clinical decision support alert for severe sepsis: a randomised evaluation.** *BMJ quality & safety*  
Downing, N. L., Rolnick, J., Poole, S. F., Hall, E., Wessels, A. J., Heidenreich, P., Shieh, L.  
2019
- **An Evaluation of Barriers to Inpatient Medication Allergy Documentation**  
Chollet, M. B., Shieh, L., Liu, A. Y.  
MOSBY-ELSEVIER.2019: AB280
- **Patient vs provider perspectives of 30-day hospital readmissions.** *BMJ open quality*  
Smeraglio, A., Heidenreich, P. A., Krishnan, G., Hopkins, J., Chen, J., Shieh, L.  
2019; 8 (1): e000264
- **Waiting it out: Consultation delays prolong in-patient length of stay** *Postgraduate Medical Journal*  
Rahman, A. S., Shi, S., Meza, P. K., Jia, J. L., Svec, D., Shieh, L.  
2019
- **Waiting it out: consultation delays prolong in-patient length of stay.** *Postgraduate medical journal*  
Rahman, A. S., Shi, S. n., Meza, P. K., Jia, J. L., Svec, D. n., Shieh, L. n.  
2019
- **Analysis of a Potential Automated Sepsis Alert Based on Quick Sequential Organ Failure Assessment (qSOFA) Among Hospitalized Floor Patients**  
Swenson, K., Rogers, A., Krishnan, G., Shieh, L.  
AMER THORACIC SOC.2019
- **A long wait: barriers to discharge for long length of stay patients.** *Postgraduate medical journal*  
Zhao, E. J., Yeluru, A., Manjunath, L., Zhong, L. R., Hsu, H., Lee, C. K., Wong, A. C., Abramian, M., Manella, H., Svec, D., Shieh, L.  
2018
- **Reducing Telemetry Use Is Safe: A Retrospective Analysis of Rapid Response Team and Code Events After a Successful Intervention to Reduce Telemetry Use.** *American journal of medical quality : the official journal of the American College of Medical Quality*  
Xie, L., Garg, T., Svec, D., Hom, J., Kaimal, R., Ahuja, N., Barnes, J., Shieh, L.  
2018: 1062860618805189
- **An Electronic Best Practice Alert Based on Choosing Wisely Guidelines Reduces Thrombophilia Testing in the Outpatient Setting.** *Journal of general internal medicine*  
Jun, T., Kwang, H., Mou, E., Berube, C., Bentley, J., Shieh, L., Hom, J.  
2018
- **Shared Decision-Making During Inpatient Rounds: Opportunities for Improvement in Patient Engagement and Communication.** *Journal of hospital medicine*  
Blankenburg, R., Hilton, J. F., Yuan, P., Rennke, S., Monash, B., Harman, S. M., Sakai, D. S., Hosamani, P., Khan, A., Chua, I., Huynh, E., Shieh, L., Xie, et al  
2018
- **Night-time communication at Stanford University Hospital: perceptions, reality and solutions** *BMJ QUALITY & SAFETY*  
Sun, A., Wang, L., Go, M., Eggers, Z., Deng, R., Maggio, P., Shieh, L.  
2018; 27 (2): 156–62
- **EMR-based handoff tool improves completeness of internal medicine residents' handoffs.** *BMJ open quality*  
Tisdale, R. L., Eggers, Z., Shieh, L.  
2018; 7 (3): e000188
- **Prediction of Acute Kidney Injury With a Machine Learning Algorithm Using Electronic Health Record Data.** *Canadian journal of kidney health and disease*  
Mohamadlou, H. n., Lynn-Palevsky, A. n., Barton, C. n., Chettipally, U. n., Shieh, L. n., Calvert, J. n., Saber, N. R., Das, R. n.  
2018; 5: 2054358118776326
- **Attitudes and Perceptions of Medical Trainees Towards an Electronic Medical Alert System for Sepsis**  
Swenson, K., Ferguson, J., Shieh, L., Rogers, A.  
AMER THORACIC SOC.2018

- **Impact of problem-based charting on the utilization and accuracy of the electronic problem list.** *Journal of the American Medical Informatics Association : JAMIA*  
Li, R. C., Garg, T. n., Cun, T. n., Shieh, L. n., Krishnan, G. n., Fang, D. n., Chen, J. H.  
2018
- **Lean-Based Redesign of Multidisciplinary Rounds on General Medicine Service.** *Journal of hospital medicine*  
Kane, M. n., Rohatgi, N. n., Heidenreich, P. n., Thakur, A. n., Winget, M. n., Shum, K. n., Hereford, J. n., Shieh, L. n., Lew, T. n., Horn, J. n., Chi, J. n., Weinacker, A. n., Seay-Morrison, et al  
2018
- **Multicentre validation of a sepsis prediction algorithm using only vital sign data in the emergency department, general ward and ICU** *BMJ OPEN*  
Mao, Q., Jay, M., Hoffman, J. L., Calvert, J., Barton, C., Shimabukuro, D., Shieh, L., Chettipally, U., Fletcher, G., Kerem, Y., Zhou, Y., Das, R.  
2018; 8 (1): e017833
- **Real-Time Clinical Decision Support Decreases Inappropriate Plasma Transfusion** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*  
Shah, N., Baker, S. A., Spain, D., Shieh, L., Shepard, J., Hadhazy, E., Maggio, P., Goodnough, L. T.  
2017; 148 (2): 154–60
- **Barriers to timely discharge from the general medicine service at an academic teaching hospital.** *Postgraduate medical journal*  
Ragavan, M. V., Svec, D., Shieh, L.  
2017
- **Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016.** *Critical care medicine*  
Rhodes, A., Evans, L. E., Alhazzani, W., Levy, M. M., Antonelli, M., Ferrer, R., Kumar, A., Sevransky, J. E., Sprung, C. L., Nunnally, M. E., Rochwerg, B., Rubenfeld, G. D., Angus, et al  
2017; 45 (3): 486-552
- **Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016.** *Intensive care medicine*  
Rhodes, A., Evans, L. E., Alhazzani, W., Levy, M. M., Antonelli, M., Ferrer, R., Kumar, A., Sevransky, J. E., Sprung, C. L., Nunnally, M. E., Rochwerg, B., Rubenfeld, G. D., Angus, et al  
2017; 43 (3): 304-377
- **A high value care curriculum for interns: a description of curricular design, implementation and housestaff feedback.** *Postgraduate medical journal*  
Hom, J. n., Kumar, A. n., Evans, K. H., Svec, D. n., Richman, I. n., Fang, D. n., Smeraglio, A. n., Holubar, M. n., Johnson, T. n., Shah, N. n., Renault, C. n., Ahuja, N. n., Witteles, et al  
2017
- **Magnitude of Potentially Inappropriate Thrombophilia Testing in the Inpatient Hospital Setting.** *Journal of hospital medicine*  
Mou, E. n., Kwang, H. n., Hom, J. n., Shieh, L. n., Kumar, A. n., Richman, I. n., Berube, C. n.  
2017; 12 (9): 735–38
- **The SDM 3 Circle Model: A Literature Synthesis and Adaptation for Shared Decision Making in the Hospital.** *Journal of hospital medicine*  
Rennke, S. n., Yuan, P. n., Monash, B. n., Blankenburg, R. n., Chua, I. n., Harman, S. n., Sakai, D. S., Khan, A. n., Hilton, J. F., Shieh, L. n., Satterfield, J. n.  
2017; 12 (12): 1001–8
- **Prediction of Sepsis in the Intensive Care Unit With Minimal Electronic Health Record Data: A Machine Learning Approach.** *JMIR medical informatics*  
Desautels, T., Calvert, J., Hoffman, J., Jay, M., Kerem, Y., Shieh, L., Shimabukuro, D., Chettipally, U., Feldman, M. D., Barton, C., Wales, D. J., Das, R.  
2016; 4 (3)
- **Hand hygiene of medical students and resident physicians: predictors of attitudes and behaviour.** *Postgraduate medical journal*  
Barroso, V., Caceres, W., Loftus, P., Evans, K. H., Shieh, L.  
2016; 92 (1091): 497-500
- **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
- **Hospitalist intervention for appropriate use of telemetry reduces length of stay and cost** *JOURNAL OF HOSPITAL MEDICINE*  
Svec, D., Ahuja, N., Evans, K. H., Hom, J., Garg, T., Loftus, P., Shieh, L.  
2015; 10 (9): 627-632

- **Improving and sustaining a reduction in iatrogenic pneumothorax through a multifaceted quality-improvement approach** *JOURNAL OF HOSPITAL MEDICINE*  
Shieh, L., Go, M., Gessner, D., Chen, J. H., Hopkins, J., Maggio, P.  
2015; 10 (9): 599-607
- **Pending Studies at Hospital Discharge: A Pre-post Analysis of an Electronic Medical Record Tool to Improve Communication at Hospital Discharge.** *Journal of general internal medicine*  
Kantor, M. A., Evans, K. H., Shieh, L.  
2015; 30 (3): 312-318
- **Sepris: a novel, mobile, online, simulation game that improves sepsis recognition and management.** *Academic medicine*  
Evans, K. H., Daines, W., Tsui, J., Strehlow, M., Maggio, P., Shieh, L.  
2015; 90 (2): 180-184
- **A nurse-driven screening tool for the early identification of sepsis in an intermediate care unit setting.** *Journal of hospital medicine*  
Gyang, E., Shieh, L., Forsey, L., Maggio, P.  
2015; 10 (2): 97-103
- **Why Providers Transfuse Blood Products Outside Recommended Guidelines in Spite of Integrated Electronic Best Practice Alerts** *JOURNAL OF HOSPITAL MEDICINE*  
Chen, J. H., Fang, D. Z., Goodnough, L. T., Evans, K. H., Porter, M. L., Shieh, L.  
2015; 10 (1): 1-7
- **Sepris: A Novel, Mobile, Online, Simulation Game That Improves Sepsis Recognition and Management** *Academic Medicine*  
Evans, K. H., Daines, W. P., Tsui, J., Strehlow, M., Maggio, P., Shieh, L.  
2015; Vol. 90, No. 2 (February 2015)
- **Development and evaluation of an electronic health record-based best-practice discharge checklist for hospital patients.** *Joint Commission journal on quality and patient safety / Joint Commission Resources*  
Garg, T., Lee, J. Y., Evans, K. H., Chen, J., Shieh, L.  
2015; 41 (3): 126-121
- **Cost and turn-around time display decreases inpatient ordering of reference laboratory tests: a time series** *BMJ QUALITY & SAFETY*  
Fang, D. Z., Sran, G., Gessner, D., Loftus, P. D., Folkins, A., Christopher, J. Y., Shieh, L.  
2014; 23 (12): 994-1000
- **Cost and turn-around time display decreases inpatient ordering of reference laboratory tests: a time series.** *BMJ quality & safety*  
Fang, D. Z., Sran, G., Gessner, D., Loftus, P. D., Folkins, A., Christopher, J. Y., Shieh, L.  
2014; 23 (12): 994-1000
- **Restrictive blood transfusion practices are associated with improved patient outcomes** *TRANSFUSION*  
Goodnough, L. T., Maggio, P., Hadhazy, E., Shieh, L., Hernandez-Boussard, T., Khari, P., Shah, N.  
2014; 54 (10): 2753-2759
- **Smarter hospital communication: Secure smartphone text messaging improves provider satisfaction and perception of efficacy, workflow.** *Journal of hospital medicine*  
Przybylo, J. A., Wang, A., Loftus, P., Evans, K. H., Chu, I., Shieh, L.  
2014; 9 (9): 573-578
- **Improved blood utilization using real-time clinical decision support.** *Transfusion*  
Goodnough, L. T., Shieh, L., Hadhazy, E., Cheng, N., Khari, P., Maggio, P.  
2014; 54 (5): 1358-1365
- **Patient whiteboards to improve patient-centred care in the hospital.** *Postgraduate medical journal*  
Tan, M., Hooper Evans, K., Braddock, C. H., Shieh, L.  
2013; 89 (1056): 604-609
- **Teaching evidence-based medicine on a busy hospitalist service: Residents rate a pilot curriculum** *ACADEMIC MEDICINE*  
Nicholson, L. J., Shieh, L. Y.  
2005; 80 (6): 607-609

- **EROSION OF A NEW FAMILY OF BIODEGRADABLE POLYANHYDRIDES** *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH*  
Shieh, L., Tamada, J., Chen, I., Pang, J., Domb, A., Langer, R.  
1994; 28 (12): 1465-1475