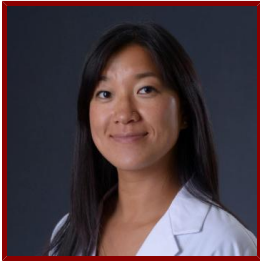


Stanford



Tiffany Erin Chao

- Academic Staff - Hourly - CSL, Surgery - General Surgery
- Academic Staff - Hourly - Csl, Surgery - General Surgery

Bio

BIO

Tiffany E. Chao, MD, MPH, FACS

Tiffany Chao is a board-certified general/trauma surgeon at Santa Clara Valley Medical Center, an Adjunct Professor of Surgery in the Department of Surgery/Division of General Surgery in the School of Medicine, and a Faculty Fellow at the Stanford Center for Innovation in Global Health. She is the co-director of the undergraduate course HUMBIO 129S: Global Public Health and the medical school seminar SURG 236: Seminar in Global Surgery and Anesthesia, both Winter Quarter classes. She is also the associate director of Global Health: Beyond Diseases and International Organizations, a two-week intensive Spring Quarter course for Stanford residents and fellows.

Prior to her current roles, she served as a Paul Farmer Global Surgery Research Fellow with Harvard Medical School's Program in Global Surgery and Social Change. There, she conducted cost-effectiveness analyses and pursued expansion of surgical delivery for indigent populations through surgical workforce and infrastructure development internationally, working primarily in Liberia, Kenya, and Haiti. She completed the CTSA/Lucile Packard Innovation Fellowship at Stanford Biodesign, eventually becoming a co-founder of Zenflow, Inc., a venture-backed medical device company working in minimally-invasive therapy for prostate disease.

Dr. Chao holds dual Bachelor's degrees in Symbolic Systems and Psychology from Stanford University, as well as MD and MPH degrees from Mount Sinai School of Medicine, where she graduated with Alpha Omega Alpha honors. She completed General Surgery residency at the Massachusetts General Hospital in Boston.

ACADEMIC APPOINTMENTS

- Academic Staff - Hourly - CSL, Surgery - General Surgery

PATENTS

- Tiffany E. CHAO, Nicholas R. DAMIANO, Shreya MEHTA, John P. WOOCK. "United States Patent US20150257908A1 Indwelling body lumen expander", Leland Stanford Junior University, Mar 14, 2014

Teaching

COURSES

2019-20

- Seminar in Global Surgery and Anesthesia: SURG 236 (Win)

2018-19

- Seminar in Global Surgery and Anesthesia: SURG 236 (Win)

2017-18

- Seminar in Global Surgery and Anesthesia: SURG 236 (Win)

STANFORD ADVISEES

Med Scholar Project Advisor

Dylan Griswold

Publications

PUBLICATIONS

- **Catastrophic expenditures in California trauma patients after the Affordable Care Act: reduced financial risk and racial disparities.** *American journal of surgery*
Liu, C., Rahman, A. S., Chao, T. E.
2020
- **Sex Disparities in the Global Burden of Surgical Disease.** *World journal of surgery*
Powell, B. L., Luckett, R., Bekele, A., Chao, T. E.
2020
- **Neurosurgical Randomized Trials in Low- and Middle-Income Countries.** *Neurosurgery*
Griswold, D. P., Khan, A. A., Chao, T. E., Clark, D. J., Budohoski, K., Devi, B. I., Azad, T. D., Grant, G. A., Trivedi, R. A., Rubiano, A. M., Johnson, W. D., Park, K. B., Broekman, et al
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- **Operative Burden in Conflict vs Nonconflict Settings: Experience of Medecins Sans Frontieres**
Rahman, A. S., Chao, T. E., Centurion, M., Dominguez, L., Chu, K. M.
ELSEVIER SCIENCE INC.2019: S136
- **Impact of Affordable Care Act Implementation on Catastrophic Health Expenditures among Trauma Patients**
Liu, C., Rahman, A. S., Chao, T. E.
ELSEVIER SCIENCE INC.2018: S148–S149
- **Cost-Effectiveness in Global Surgery: Pearls, Pitfalls, and a Checklist** *WORLD JOURNAL OF SURGERY*
Shrime, M. G., Alkire, B. C., Grimes, C., Chao, T. E., Poenaru, D., Verguet, S.
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- **A geospatial evaluation of timely access to surgical care in seven countries** *BULLETIN OF THE WORLD HEALTH ORGANIZATION*
Knowlton, L. M., Banguti, P., Chackungal, S., Chanthasiri, T., Chao, T. E., Dahn, B., Derbew, M., Dhar, D., Esquivel, M. M., Evans, F., Hendel, S., LeBrun, D. G., Notrica, et al
2017; 95 (6): 437–44
- **Staged Particle and Ethanol Embolotherapy of a Symptomatic Pancreatic Arteriovenous Malformation** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Frenk, N. E., Chao, T. E., Cui, J., Fagenholz, P. J., Irani, Z.
2016; 27 (11): 1734–35
- **A Multinational Evaluation of Timely Access to Basic Surgical Services Using Geospatial Analyses**
Knowlton, L., Esquivel, M., Uribe-Leitz, T., McQueen, K., Chackungal, S., LeBrun, D. G., Chao, T. E., Weiser, T. G., Spain, D. A.
ELSEVIER SCIENCE INC.2016: E118
- **Size and distribution of the global volume of surgery in 2012** *BULLETIN OF THE WORLD HEALTH ORGANIZATION*
Weiser, T. G., Haynes, A. B., Molina, G., Lipsitz, S. R., Esquiye, M. M., Uribe-Leitz, T., Fu, R., Azad, T., Chao, T. E., Berry, W. R., Gawande, A. A.
2016; 94 (3): 201-209
- **Systematic review of laparoscopic surgery in low- and middle-income countries: benefits, challenges, and strategies** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Chao, T. E., Mandigo, M., Opoku-Anane, J., Maine, R.

2016; 30 (1): 1–10

- **Building a global surgery initiative through evaluation, collaboration, and training: the Massachusetts General Hospital experience.** *Journal of surgical education*
Chao, T. E., Riesel, J. N., Anderson, G. A., Mullen, J. T., Doyle, J., Briggs, S. M., Lillemoe, K. D., Goldstein, C., Kitya, D., Cusack, J. C.
2015; 72 (4): e21–8
- **Estimate of the global volume of surgery in 2012: an assessment supporting improved health outcomes.** *Lancet*
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- **Strategies for last mile implementation of global health technologies.** *The Lancet. Global health*
Chao, T. E., Lo, N. C., Mody, G. N., Sinha, S. R.
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- **Cost-effectiveness of surgery and its policy implications for global health: a systematic review and analysis** *LANCET GLOBAL HEALTH*
Chao, T. E., Sharma, K., Mandigo, M., Hagander, L., Resch, S. C., Weiser, T. G., Meara, J. G.
2014; 2 (6): E334-E345
- **Prioritizing essential surgery and safe anesthesia for the Post-2015 Development Agenda: Operative capacities of 78 district hospitals in 7 low- and middle-income countries** *SURGERY*
Lebrun, D. G., Chackungal, S., Chao, T. E., Knowlton, L. M., Linden, A. F., Notrica, M. R., Solis, C. V., McQueen, K. A.
2014; 155 (3): 365-373
- **Survey of Surgery and Anesthesia Infrastructure in Ethiopia** *WORLD JOURNAL OF SURGERY*
Chao, T. E., Burdic, M., Ganjawalla, K., Derbew, M., Keshian, C., Meara, J., McQueen, K.
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