

Stanford



Yanjia Cao

Postdoctoral Research Fellow, Infectious Diseases

Bio

BIO

I am a postdoctoral research fellow focusing on spatial data modeling and infectious disease epidemiology, specifically typhoid fever, in the Division of Infectious Diseases and Geographic Medicine at Stanford University's School of Medicine under the mentorship of Dr. Jason Andrews.

My research focuses on

- (i) applying geospatial techniques to understand spatial burden of typhoid fever
- (ii) developing spatial and temporal data models to simulate typhoid fever surveillance

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Maryland College Park (2019)
- Master of Science, S.U.N.Y. State University at Buffalo (2014)

STANFORD ADVISORS

- Jason Andrews, Postdoctoral Research Mentor
- Jason Andrews, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: <https://yanjiacao.github.io/>

Publications

PUBLICATIONS

- **Determining spatial access to opioid use disorder treatment and emergency medical services in New Hampshire** *JOURNAL OF SUBSTANCE ABUSE TREATMENT*
Cao, Y., Stewart, K., Wish, E., Artigiani, E., Sorg, M. H.
2019; 101: 55–66
- **Geospatial Analysis of Drug Poisoning Deaths Involving Heroin in the USA, 2000-2014** *JOURNAL OF URBAN HEALTH-BULLETIN OF THE NEW YORK ACADEMY OF MEDICINE*
Stewart, K., Cao, Y., Hsu, M. H., Artigiani, E., Wish, E.
2017; 94 (4): 572–86
- **Geographic patterns of end-stage renal disease and kidney transplants in the Midwestern United States** *APPLIED GEOGRAPHY*
Cao, Y., Stewart, K., Kalil, R.
2016; 71: 133–43