

ALEX J. GOODELL, MD, MS

300 Pasteur Drive, L154, Stanford, CA 94305



EDUCATION

Residency, Anesthesiology <i>School of Medicine, Stanford University, Stanford, CA</i>	Expected, Jun 2023
Residency, Internal Medicine <i>School of Medicine, Stanford University, Stanford, CA</i>	Expected, Jun 2023
Internship, Internal Medicine <i>School of Medicine, Stanford University, Stanford, CA</i>	Jun 2019
Doctor of Medicine <i>School of Medicine, University of California San Francisco, San Francisco, CA</i>	May 2018
Master of Science, Health and Medical Sciences <i>Joint Medical Program, School of Public Health, University of California Berkeley, Berkeley, CA</i>	May 2016
Bachelor of Science with Thesis Distinction, Biology <i>Clark Honors College, University of Oregon, Eugene, OR</i>	Jun 2011

HEALTH ECONOMICS & DISEASE MODELING RESEARCH

Masters Student <i>UCSF Philip R. Lee Institute for Health Policy Studies, San Francisco, CA</i> Principal investigators: James G. Kahn, Paul Volberding Thesis title: "Prospects for Elimination: An Individual-based Model to Assess Tuberculosis Control Strategies in California"	Aug 2015 – May 2016
<ul style="list-style-type: none">Working with policy-makers at the California Department of Public Health and the CDC, designed and created an individual-based simulation model to evaluate the cost-effectiveness of tuberculosis elimination strategies in California. Project results used to inform updated state testing recommendations. Initial results disseminated with an invited presentation, a scholarship-winning abstract at a national meeting, and manuscript published in .	
Research Analyst <i>UCSF Philip R. Lee Institute for Health Policy Studies, San Francisco, CA</i> Principal investigators: James G. Kahn, Robert H Lustig	Aug 2015 – May 2016
<ul style="list-style-type: none">Co-led the design and creation of an individual-based simulation to assess the impact of excess sugar consumption on liver and cardiovascular outcomes in the United States. Resulted in a manuscript published in <i>BMJ Open</i>.	
Research Analyst <i>UCSF Philip R. Lee Institute for Health Policy Studies, San Francisco, CA</i> Principal investigator: James G. Kahn	Jan 2012 – Aug 2015
<ul style="list-style-type: none">Using cutting-edge web 2.0 technologies, created a novel web-based simulation model (http://globalhealthdecisions.org) to assess the cost-effectiveness of HIV prevention and treatment strategies for 17 nations. Project was presented at a national and global conference and was cited in a leading health-economics report, <i>Disease Control Priorities Volume 3</i>.	
Research Analyst <i>Muhimbili University of Health and Allied Sciences, Dar es Salaam, Tanzania & UCSF Global Health Sciences, San Francisco, CA</i> Principal investigators: Sarah Macfarlane, Ephata E Kaaya	Sept 2011 – Jan 2012
<ul style="list-style-type: none">Co-created a dynamic workforce model to evaluate the cost-effectiveness of different physician training and retention strategies in Tanzania, the results of which were published in <i>Global Health Action</i>. Additionally, completed analysis and writing for multiple other health-workforce and education projects, resulting in three publications.	
Research Assistant <i>Blood Systems Research Institute, San Francisco, CA</i> Principal investigator: Brian Custer	Jun 2011 – Mar 2016
<ul style="list-style-type: none">Designed and built a mathematical model to determine the cost-effectiveness of screening the US blood supply for the emerging pathogen <i>Babesia microti</i>, resulting in one original research manuscript and one letter to the editor, both published in <i>Transfusion</i>.	

Research Assistant

Sept 2009 - Jan 2016

Village Health Works, Kigutu, Burundi, East Africa

Supervisor: Deo Gratias Niyonzkiza

- Designed and created a geographic workforce demand model to plan scale-up of community-health-worker programs in rural Burundi, published as undergraduate thesis in 2011 and used to secure a \$500,000 grant for program expansion. In 2015-2016, mentored UC Berkeley undergraduate student to revise and update model into web-based tool to visualize the density of 50+ conditions in clinic's catchment region, which was used to plan women's healthcare expansion.

GLOBAL HEALTH & HIV/AIDS ADVOCACY

Global Health Reporting Fellow

Summer 2015

UC Berkeley School of Public Health & UC Berkeley School of Journalism, Berkeley, CA; Village Health Works, Kigutu, Burundi, East Africa

- Documented stories and photographs of people internally displaced by civil conflict in rural Burundi. Photos featured on the front-page of photography webpage Exposure.co (2105), as well as published in the Social Documentary Network (2017), The Guardian Online (UK, 2015) and Readers Digest International Edition (2010).

LGBTQ Clinic Co-coordinator

May 2015- May 2016

Suitcase Clinic, Berkeley, CA

- Coordinated, and provided care for patients at, student-run clinics focused on underserved LGBTQ individuals.

Information Technology Manager

Sept 2009 - Mar 2010

Village Health Works, Kigutu, Burundi, East Africa

- Lived on-site for six months, managing all information technology including inventory and medical records systems for small community-based clinic in rural Burundi. Built organization website with hundreds of daily visitors.

Steering Committee Member, Director of Communications

2010-2011, Summer 2008

Partners in Health Engage, Boston, MA (previously FACE AIDS, Stanford, CA)

- Participated on the National Steering Committee of FACE AIDS, a global student movement to fight HIV/AIDS in Africa made up of over 100 college chapters. Coordinated the communications aspects of a Back to School Campaign that raised \$40,000 for secondary school fees in Rwanda.

Director, Co-founder

2008-2009

Students for Global Health, University of Oregon, Eugene, OR

- Co-founded and directed student group that has involved hundreds of students and is now in its ninth year. Co-organized university conference on HIV/AIDS in Africa with a budget of \$25,000. Coordinated fundraising events including lecture by Tracy Kidder, Pulitzer-prize-winning author, with an attendance of over 1,700. Proposed and launched annual campus-wide Common Summer Reading Program, now in its eighth year (<http://commonreading.uoregon.edu>).

Research Assistant

Summer 2007

Luis Ángel García HIV/AIDS Clinic, Guatemala City, Guatemala

- Collected data and assisted in manuscript preparation in study analyzing demographic and clinical risk factors of HIV, syphilis, and hepatitis B infection in pregnant women in Guatemala City. Shadowed physicians and outreach workers.

PEER-REVIEWED PUBLICATIONS

Parriott A., Kahn J.G., Ashki H., Readhead A., Barry P.M., **Goodell A.J.**, Flood J., Shete P.B. Modeling the impact of recommendations for primary care-based screening for latent tuberculosis infection in California. *Public Health Reports*. 2020;135. PMID: 32735191

Goodell, A. J., Shete, P. B., Vreman, R., McCabe, D., Porco, T. C., Barry, P. M., and Kahn, J. G. (2019). Outlook for tuberculosis elimination in California: An individual-based stochastic model. *PLoS One*, 14(4), e0214532. PMID: 30964878

Vreman, R.A., **Goodell, A.J.**, Rodriguez L.A., Lustig, R.H., and Kahn, J.G. (2017). Non-alcoholic fatty liver disease as a mediator of sugar effects; implications for the health and economic benefits of interventions in the US. *BMJ Open* 2017;7. PMID: 28775179

Goodell, A.J., Kahn, J.G., Ndeki, S.S., Kaale, E., Kaaya, E.E., and Macfarlane, S.B. (2016). Modeling solutions to Tanzania's physician workforce challenge. *Glob. Health Action* 9. PMID: 27357075.

Mkony, C.A., Kaaya, E.E., **Goodell, A.J.**, and Macfarlane, S.B. (2016). Where teachers are few: documenting available faculty in five Tanzanian medical schools. *Glob. Health Action* 9. PMID: 27741957.

Goodell, A.J., Bloch, E., Simon, M.S., Shaz, B., and Custer, B. (2016). *Babesia* screening: the importance of reporting and calibration in cost-effectiveness models. *Transfusion* 56, 774–775. PMID: 26954454.

Goodell, A.J., Bloch, E.M., Krause, P.J., and Custer, B. (2014). Costs, consequences, and cost-effectiveness of strategies for *Babesia microti* donor screening of the US blood supply. *Transfusion* 54, 2245–2257. PMID: 25109338.

Masalu, J.R., Aboud, M., Moshi, M.J., Mugusi, F., Kamuhabwa, A., Mgemwa, N., Freeman, P., **Goodell, A.J.**, Kaaya, E.E., and Macfarlane, S.B. (2012). An institutional research agenda: Focusing university expertise in Tanzania on national health priorities. *J. Public Health Policy* 33, S186–S201. PMID: 23254843.

Pemba, S., Macfarlane, S.B., Mpembeni, R., **Goodell, A.J.**, and Kaaya, E.E. (2012). Tracking university graduates in the workforce: Information to improve education and health systems in Tanzania. *J. Public Health Policy* S202–S215. PMID: 23254844.

INVITED PRESENTATIONS

Goodell, A.J., Shete, P.B., Vreman, R., Metcalfe, J., Porco, T.C., Barry, P.M., Flood, J., Marks, S.M., Cattamanchi, A., Kahn, J.G. Tuberculosis Control via LTBI Test and Treat in California: Cost-effectiveness and Potential for Elimination. Tuberculosis Epidemiologic Studies Consortium, Centers for Disease Control and Prevention, Atlanta, Georgia. 30 June 2016.

ABSTRACT PRESENTATIONS

Goodell, A.J., Spitznagle, J.C., Israni-Jiang, M., Arakaki, R.Y., Rosenblum, M.D., Mully, T.W. Hydroa vacciniforme-like lymphoma in a 19-year-old man born in the United States. American Society of Dermatopathology, Annual Meeting, October 22, 2016.

Goodell, A.J., Shete, P.B., Vreman, R., Metcalfe, J., Porco, T.C., Barry, P.M., Flood, J., Marks, S.M., Cattamanchi, A., Kahn, J.G.. Prospects for Elimination: An Individual-based Model to Assess TB Control Strategies in California. American Thoracic Society Annual Meeting, San Francisco, CA. 13-18 May 2016.

Malekinejad, M., **Goodell, A.J.**, Mirzazadeh, A., Marseille, E., Kahn, J.G. Global Health Decisions: a web-based HIV decision-making tool. 9th International Congress on Addiction Science. Tehran, Iran. 9–11 September 2015

Goodell A.J., Malekinejad, M., Marseille, E., Mirzazadeh, A., McCabe, D., Showstack, J.S., Alistar, S.S., Kahn, J.G. Visualizing Global Health Decisions: a web tool for HIV decision-making in resource-constrained settings. Fourth Annual Conference, Consortium of Universities for Global Health. Washington, DC. April 14-16 2014.

Goodell, A.J., Bloch, B., Krause, P., Custer, B. Cost-effectiveness of Screening US Blood Donors for *Babesia microti*. Annual Meeting, American Association of Blood Banks, Boston, MA, October 6-9, 2012.

Goodell, A.J., Long, J., Koehler, E., Greensweig, T., Ndayizigiye, M., Niyizonkiza, D., Ntaba, D. Scaling Up: Expanding Community Health Worker Programs for Refugees and Internally Displaced Persons in the Bururi Province, Burundi. 20th Annual Conference, Global Health Education Consortium, Montreal, Canada, November 13, 2011.

Lee, C., Pittard, A.E.I., Soltren, A., **Goodell, A.J.**, Anderson, M.A. Seroprevalence and risk factors for HIV, hepatitis B, and syphilis among pregnant women attending an antenatal clinic in Guatemala City, 2005-2007. 17th Annual Conference, Global Health Education Consortium, Sacramento, CA, April 5, 2008.

OTHER PUBLICATIONS

- **Antibiotics coverage diagram**, self-published internet resource, August 2018. Featured in 2019 TrueLearn General Surgery Board Review materials. <https://github.com/aetherist/antibiogram>
- **Photo illustration**, Readers Digest International Edition, March 2008.

COMMUNITY & ACADEMIC SERVICE

- **Manuscript Review**. Referee for CHEST: Journal of the American College of Chest Physicians, European Journal of Health Economics
- **Web development**. Freelance web design and development for Partners in Health, UK Sierra Leone Health Partners, The Institute for Justice and Democracy in Haiti, Jubilee USA, Friends of African Village Libraries, the Consortium of Universities for Global Health, Health Strategies International.

ACADEMIC HONORS

Abstract Scholarship, American Thoracic Society, 2016
UC Berkeley – UCSF Joint Medical Program Thesis Grant, 2015
Global Health Reporting Fellowship, UC Berkeley Center for Global Public Health, 2014
University Fellowship, UC Berkeley Graduate Division, 2013
Bowerman Memorial Scholarship, University of Oregon, 2010
Travel Research Grant, Robert D. Clark Honors College, 2009
Centurion Service Award, University of Oregon, 2009
Edward C. Sargent III Pre-Medical Scholarship, Robert D. Clark Honors College, 2008
Merit Scholarship, College of Arts and Sciences, University of Oregon, 2007
Alumni Scholarship, Alumni Association of Portland, University of Oregon, 2006
Bower Aly Forensics Scholarship, University of Oregon, 2006
Guistina Presidential Scholarship (full-tuition), University of Oregon, 2006

INTERESTS

- **Vegetable gardening**. Built and operate productive backyard greenhouse and garden with 300lb+ annual vegetable output.
- **Electronic instrument development**. Designed, prototyped, programed Arduino-based modular wavetable synthesizer.
- **Software development**. Proficient in Python, Go, Amazon Web Services, Docker, Git, Ruby, JavaScript, AJAX, JQuery, PHP, MySQL, HTML, CSS, WordPress, Google Maps API, Unix, STATA
- **Small-craft sailing**. Completed advanced sailing classes at UC Berkeley, 100+ hours experience.

MEMBERSHIPS

American College of Physicians (2014)
Society of Hospital Medicine (2015)
American Thoracic Society (2015)
American Society of Anesthesiologists (2017)
Stanford Anesthesiology Global Health Interest Group (2019)
Stanford Internal Medicine Underserved and Global Health Interest Group (2019)