

Jonathan E. Golub, PhD, MPH
Curriculum Vitae

DEMOGRAPHIC INFORMATION

CURRENT APPOINTMENTS:

Assistant Professor of Medicine and Epidemiology
Johns Hopkins School of Medicine & Johns Hopkins Bloomberg School of Public Health

PERSONAL DATA:

Johns Hopkins University School of Medicine
1550 Orleans St., 1M07
Baltimore, MD 21231
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EDUCATION:

Degrees/Year Institution

Discipline

BA/1993	The State University of New York at Binghamton	Biology/History
MPH/1996	Columbia University School of Public Health	Epidemiology
PhD/2003	Johns Hopkins University Bloomberg School of Public Health	ID Epidemiology

PROFESSIONAL EXPERIENCE:

Dates

Positions

Institutions

1992	Research Fellow	Roche Institute of Molecular Biology, Nutley, NJ
1993	Research Fellow	Hospital for Special Surgery, New York, NY
1994	Research Assistant	Northern New Jersey Maternal Child Health Consortium, Paramus, NJ
1995 – 1996	Epidemiologist	Public Health Research Institute, New York, NY
1997 – 1998	Epidemiologist	Maryland Infection Control Network, Johns Hopkins Hospital, Baltimore, MD
1997 – 2002	Epidemiologist	Division of TB Control, Maryland Department of Health & Mental Hygiene, Baltimore, MD
2003 - 2004	Research Associate	Johns Hopkins University School of Medicine, Baltimore, MD
2004 -	Assistant Professor	Johns Hopkins University School of Medicine, Baltimore, MD
2004 -	Assistant Professor	Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

RESEARCH ACTIVITIES

PUBLICATIONS

1. **Golub JE**, Haselow DT, Hageman JC, Lopez AS, Oldach D, Perl TM. Pfiesteria in Maryland: preliminary epidemiological results. *Maryland Medical Journal* 1998;47(3):137-143.

2. Cronin WA, **Golub JE**, Magder LS, Baruch NG, Lathan MJ, Mukasa LN, Hooper N, Razeq JH, Mulcahy D, Benjamin WH, Bishai WR. Epidemiologic Usefulness of Spoligotyping for Secondary Typing of *Mycobacterium tuberculosis* Isolates with Low Copy Numbers of IS6110. *Journal of Clinical Microbiology* 2001;39(10):3709-3711.
3. **Golub JE**, Cronin WA, Obasanjo OO, Coggin W, Moore K, Pope DS, Thompson D, Sterling TR, Bishai WR, Chaisson RE. Transmission of *Mycobacterium tuberculosis* through casual contact with an infectious case. *Archives of Internal Medicine* 2001;161:2254-2258.
4. Dooley KE, **Golub JE**, Goes FS, Merz WG, Sterling TR. Empiric treatment of community-acquired pneumonia with fluoroquinolones and delays in the treatment of tuberculosis. *Clinical Infectious Diseases* 2002;34(12):1607-12.
5. Lathan M, Mukasa LN, Hooper N, **Golub JE**, Baruch N, Mulcahy M, Benjamin W, Cronin WA. Cross-jurisdictional transmission of *Mycobacterium tuberculosis* in Maryland and Washington, D.C. 1996-2000, linked to the homeless. *Emerging Infectious Diseases* 2002;8(11):1249-1251.
6. Cronin WA, **Golub JE**, Lathan MJ, Mukasa LN, Hooper N, Razeq J, Baruch NG, Mulcahy D, Benjamin WH, Magder LS, Strickland GT, Bishai WR. Molecular epidemiology of tuberculosis in a low- to moderate incidence state: are contact investigations enough? *Emerging Infectious Diseases* 2002;8(11):1271-1279.
7. Chaisson RE, Armstrong J, Stafford J, **Golub JE**, Bur S. Safety and tolerability of intermittent rifampin/pyrazinamide for the treatment of latent tuberculosis infection in prisoners. *JAMA* 2002;288(2):165-6.
8. Bur S, **Golub JE**, Armstrong J, Myers K, Johnson B, Mazo D, Fielder JF, et al. Evaluation of an extensive tuberculosis contact investigation in an urban community and jail. *International Journal of Tuberculosis and Lung Disease* 2003; 7(12):S417-S423.
9. **Golub JE**, Bur S, Sterling TR, Cronin WA, Gange S, Oden B, Baruch N, Comstock GW, Chaisson RE. Impact of empiric antibiotics and the chest radiograph on delays in the diagnosis of tuberculosis. *International Journal of Tuberculosis and Lung Disease* 2005; 9(4): 392-397.
10. **Golub JE**, Bur S, Cronin WA, Gange S, Baruch N, Comstock GW, Chaisson RE. Patient and health care system delays in pulmonary tuberculosis diagnosis in a low-incidence state. *International Journal of Tuberculosis and Lung Disease* 2005; 9(9): 992-998.
11. **Golub JE**, Cronin WA, Bur S, Gange S, Baruch N, Comstock GW, Chaisson RE. Delayed tuberculosis diagnosis and tuberculosis transmission. *International Journal of Tuberculosis and Lung Disease* 2006; 10(1): 24-30.
12. Bastos LGV, Fonseca LS, Mello FQ, Ruffino-Netto A, **Golub JE**, Conde MB. Pulmonary tuberculosis prevalence among respiratory symptomatic subjects in an outpatient primary health service in Rio de Janeiro, Brazil. *International Journal of Tuberculosis and Lung Disease* 2007; 11(2):156-160.
13. Moulton L, **Golub JE**, Durvoni B, Cavalcante S, Pacheco A, Saraceni V, King B, Chaisson RE. Statistical design of THRio: A phased implementation of a clinic-randomized study of a tuberculosis preventive therapy intervention. *Clinical Trials* 2007; 4(2):190-9.
14. **Golub JE**, Saraceni V, Cavalcante SC, Pacheco AG, Moulton LH, King BS, Efron A, Moore RD, Chaisson RE, Durovni B. The impact of antiretroviral therapy and isoniazid preventive therapy on tuberculosis incidence in HIV-infected patients in Rio de Janeiro, Brazil. *AIDS* 2007;21(11):1441-1448.

15. Rabizadeh S, Rhee K, Wu S, Huso D, Gan CM, **Golub JE**, Wu X, Zhang M, Sears CL. Enterotoxigenic *Bacteroides fragilis*: A potential instigator of colitis. *Inflamm Bowel Dis* 2007;13(12): 1475-1483.
16. Luquero FJ, Sanchez-Padilla E, Simon-Soria F, Eiros JM, **Golub JE**. Trend and seasonality of tuberculosis in Spain, 1996-2004. *International Journal of Tuberculosis and Lung Disease* 2008;12(2): 221-224.
17. Saraceni V, King BS, Cavalcante SC, **Golub JE**, Lauria LM, Moulton LH, Chaisson RE, Durovni B. Tuberculosis as primary cause of death among AIDS cases in Rio de Janeiro, Brazil. *International Journal of Tuberculosis and Lung Disease* 2008; 12(7): 769-72.
18. **Golub JE**, Durovni B, King BS, Cavalcante SC, Pacheco AG, Moulton LH, Moore RD, Chaisson RE, Saraceni V. Recurrent tuberculosis in HIV-infected patients in Rio de Janeiro, Brazil. *AIDS* 2008;22(18): 2527-2533.
19. Pacheco AG, Saraceni V, Tubor SH, Moulton SH, Chaisson RE, Cavalcante SC, Durovni B, Faulhaber JC, **Golub JE**, King B, Schechter M, Harrison LH. Validation of a hierarchical deterministic record linkage algorithm using data from two different cohorts of HIV-infected individuals and mortality databases in Brazil. *American Journal of Epidemiology* 2008;168(11):1326-32
20. Pacheco AG, Durovni B, Cavalcante SC, Lauria LM, Moore RD, Moulton LH, Chaisson RE, **Golub JE**. AIDS-related tuberculosis in Rio de Janeiro, Brazil. *PLoS ONE* 2008; 3(9):e3132.
21. Cailleaux-Cezar M, Melo DA, Xavier GM, Salles CLG, Mello FCQ, Ruffino-Netto A, **Golub JE**, Efron A, Chaisson RE, Conde MB. Incidence of Tuberculosis Among Contacts of Active Pulmonary Tuberculosis. *International Journal of Tuberculosis and Lung Disease* 2009; In Press.
22. **Golub JE**, Astemborski J, Ahmed M, Cronin W, Mehta SH, Kirk GD, Vlahov D, Chaisson RE. Long-term effectiveness of diagnosing and treating latent tuberculosis infection in a cohort of HIV-infected and at risk injection drug users. *JAIDS* 2008 Nov 3.
23. Dooley KE, Cronin W, Tang T, **Golub JE**, Dorman SE. Impact of diabetes mellitus on treatment outcomes of patients with active tuberculosis. *American Journal of Tropical Medicine & Hygiene* 2009; In Press.
24. Dowdy DW, Lourenco MC, Cavalcante SC, Saraceni V, King B, **Golub JE**, Bishai D, Durovni B, Chaisson RE, Dorman SE. Impact and cost-effectiveness of culture for diagnosis of tuberculosis in HIV-infected Brazilian adults. *PLoS ONE* 2009; In Press.
25. **Golub JE**, Pronyk P, Mohapi L, Thsabangu N, Moshabela M, Struthers H, Gray GE, McIntyre JA, Chaisson RE, Martinson NA. Isoniazid preventive therapy, HAART and tuberculosis risk in HIV-infected adults in South Africa: A prospective cohort. *AIDS* 2009; In Press.
26. Miranda AE, **Golub JE**, Lucena FF, Maciel EN, Gurgel MF, Dietze R. Tuberculosis and AIDS co-morbidity: Linkage of tuberculosis and AIDS databases. *Brazilian Journal of Infectious Diseases* 2009; In Press.

Review articles

1. Perl TM, **Golub JE**. New approaches to reduce *Staphylococcus aureus* nosocomial infection rates: treating *S. aureus* nasal carriage. *Annals of Pharmacotherapy* 1998; 32(1):S7-16.
2. **Golub JE**, Mohan CI, Comstock GW, Chaisson RE. Active case finding for tuberculosis: Historical perspective and future prospects. *International Journal of Tuberculosis and Lung Disease* 2005; 9(11): 1183-1203.
3. Panjabi R, Comstock GW, **Golub JE**. Recurrent tuberculosis and its risk factors: adequately treated patients are still at high risk. *International Journal of Tuberculosis and Lung Disease* 2007; 11(8):828-837.

Letters, correspondence

1. Dooley KE, **Golub JE**, Sterling TR. The authors reply: Does the use of fluoroquinolones for the empiric treatment of pneumonia delay initiation of treatment of tuberculosis? *Clinical Infectious Diseases* 2002; 35: 1572-73.

Book Chapter

1. **Golub JE**, Comstock GC. Chemoprophylaxis. In *Tuberculosis*, 5th Ed., (David Schlossberg, editor), McGraw-Hill, New York, 2005.

Invited Commentary

1. **Golub JE**. George W. Comstock – always a teacher. *American Journal of Epidemiology* 2008; 168(7):669-670.

EXTRAMURAL SPONSORSHIP

Grants

PI, 75% effort, 2005-2010, K01 Research Scientist Development Award: Epidemiologic Strategies for Tuberculosis Control. Funded by National Institute for Allergy and Infectious Diseases

Co-investigator, 10% effort, 2004-2011, New Paradigms for Reducing HIV-Related Tuberculosis in High-Burden Countries: Community Trials of Novel, Epidemiologically Based Strategies to Control HIV-Related Tuberculosis, Funded by the Bill and Melinda Gates Foundation, 2004 – 2011, \$47,000,000; Principal Investigator, Richard E. Chaisson, MD

PI, 5% effort, 2007-2011, Task Order 23, Delays in Diagnosis of Tuberculosis among African-Americans, Centers for Disease Control and Maryland State Health Department

PI, 5% effort, 2008-2011, Task Order 25, Risk Factors for Tuberculosis Mortality in the US, Centers for Disease Control and Maryland State Health Department

Co-investigator, 5% effort, 2007-2012, Longitudinal Studies of HIV-Associated Lung Infections and Complications. Funded by NIH, 2,129,864; Principal Investigator, Richard E. Chaisson, MD

PI, 2008-2011, Training for Clinical Research of HIV-Associated Malignancies: Brazil & S. Africa. This is a supplement to Dr. Chris Beyrer's Fogarty Grant. This is a training grant and no salary support is provided.

EDUCATIONAL ACTIVITIES

TEACHING

Classroom instruction

Johns Hopkins Bloomberg School of Public Health, Co-Instructor

Epidemiologic Basis for Tuberculosis Control, Summer 2004, Winter 2005

Johns Hopkins Bloomberg School of Public Health, Primary Instructor

Epidemiologic Basis for Tuberculosis Control, Summer 2005-Present, Winter 2006-Present

Epidemiologic Basis for Tuberculosis Control, Online, Fall 2007, 2008

Johns Hopkins Bloomberg School of Public Health and School of Medicine, Primary Instructor

Design & Methodological Issues in Research Development, Summer 2006, 2007, 2008

Course is a 1-2 year program designed for training Brazilian and South African researchers under the International Clinical Operational Health Services Research Training Award (ICOHRTA): Innovative Approaches for Tuberculosis Control in Brazil

The course will continue for one calendar year with online advising and training of students. There are currently 3 cohorts of students (n=26) being mentored.

Johns Hopkins Bloomberg School of Public Health, Co-Instructor

Public Health Dimensions for Global Tuberculosis Control, Summer 2008

Invited Instructor

Johns Hopkins Fall Institute in Health Policy and Management, Barcelona

Epidemiologic Basis for Tuberculosis Control, Fall 2006

MENTORING

Advisees

Co-advisor (Chaisson), Ann Miller, 2003 – 2007, PhD 2007, JHU SPH
Research Associate, Francois-Xavier Bagnoud Center for Health and Human Rights
Primary Advisor, Joanne Caruth, 2006-2007, MPH 2007, JHU SPH
Primary Advisor, Colleen Hanrahan, 2006-present, PhD candidate, JHU SPH
Frameworks Program in Global Health Grant Recipient, 2008
Primary Advisor, Dipti Shah, 2006-present, DrPH candidate, JHU SPH
Primary Advisor, Ayesha Khan, 2007-present, DrPH candidate, JHU SPH
Primary Advisor, Lungten Wangchuk, 2007, MPH 2008, JHU SPH
Primary Advisor, Yasuyuki Kato, 2006-present, Online MPH candidate, JHU SPH
Primary Advisor, Christopher Sudfeld, 2007-present, MHS candidate, JHU SPH
Co-advisor (Chaisson), Shama Ahuja, 2007-present, DrPH candidate, JHU SPH
Co-advisor (Beyrer), Adrienne Shapiro, 2008-present, MD/PhD candidate, JHU SPH
Frameworks Program in Global Health Grant Recipient, 2008
Frameworks Grant Advisor, Nikolas Wada, 2008
Capstone mentor, Anne Frosch, 2006, MPH, JHU SPH

Preceptorships/Post-doctoral fellows

Dr. Christina Rius, 2005-2006, University of Barcelona and Public Health Agency of Barcelona
Dr. Ethel Maciel, 2006-2008, Vitoria, Brazil
Dr. Maria Catarina, 2007-present, Rio de Janeiro, Brazil
Dr. Stanzi le Roux, 2007, South Africa

Thesis Committees

Ann Miller, PhD, November 28, 2006, “A pair-matched cluster-randomized trial of a tuberculosis active case finding intervention, Rio de Janeiro, Brazil.”

Chyng-Wen Fwu, DrPH, June 7, 2007, “Hepatitis B Virus Infection in Females: A Long-term Follow-up Study from Taiwan.”

EDITORIAL ACTIVITIES

Manuscript Reviewer:

AIDS: 2007, 2008
American Journal of Epidemiology: 2006
American Journal of Respiratory and Critical Care Medicine
Archives of Internal Medicine: 2006
Biomed Central Public Health: 2006 (x2), 2008(x7)
Chest: 2006, 2008
Clinical Infectious Diseases: 2006, 2007, 2008
International Journal of Tuberculosis and Lung Disease: 2005(x2),
2006 (x5), 2007 (x4), 2008 (x4)
Journal of American Medical Association: 2006 (x2)
Journal of Acquired Immune Deficiency Syndromes: 2006, 2008
Journal of Infection, 2009
The Lancet: 2007
New England Journal of Medicine: 2007

PLoS Medicine: 2008
Thorax: 2006 (x2)
Tropical Medicine & International Health: 2007 (x2)
Welcome Trust: 2007

Grant Review:

ORGANIZATIONAL ACTIVITIES

INSTITUTIONAL ADMINISTRATIVE APPOINTMENTS

Academic Ethics Board, Johns Hopkins Bloomberg School of Public Health, 1997 – 1998
Worklife Committee Meeting, Johns Hopkins School of Medicine, 2008-Present

PROFESSIONAL SOCIETIES

Memberships

International Union Against Tuberculosis and Lung Disease
American Thoracic Society
International AIDS Society

Expert Panel: “Strategies for Addressing Treatment Completion for Latent Tuberculosis Infection”, New York City Department of Health and Mental Hygiene, Bureau of Tuberculosis Control and the Centers for Disease Control and Prevention

Advisory Committee: “Research Fundamentals for Activists”, Treatment Action Group and the Consortium to Respond Effectively to the AIDS TB Epidemic.

RECOGNITION

AWARDS, HONORS

1st Prize, Delta Omega Honor Society Poster Competition, Johns Hopkins Bloomberg School of Public Health. An outbreak of MDR TB identified through molecular epidemiologic methods. May, 1997.

2nd Prize, Delta Omega Honor Society Poster Competition, Johns Hopkins Bloomberg School of Public Health. *Pfisteria* in Maryland: preliminary epidemiological results. May, 1998.

Jean Coombs Travel Award, The Johns Hopkins School of Public Health; Travel to present thesis research at International Union Against Tuberculosis and Lung Control Annual Meeting, Vancouver, BC. 2002.

Clinical Research Award Finalist, Johns Hopkins School of Medicine Research Retreat. Impact of antiretroviral therapy on TB in patients with AIDS in Rio de Janeiro, Brazil. April, 2004.

Clinical Research Award Finalist, Johns Hopkins School of Medicine Research Retreat, Impact of empiric antibiotics and the chest radiograph on delays in the diagnosis of tuberculosis. April 2005.

Nominee, Golden Apple, Johns Hopkins School of Public Health, 2008

INVITED TALKS

“Delayed diagnosis of tuberculosis in Maryland”, September, 2002, Maryland Department of Health & Mental Hygiene Annual Meeting

“Active Case Finding of Tuberculosis: A comprehensive review of the literature”, June 2003, London School of Hygiene and Tropical Medicine

“Thinking TB: Local & Global Control Strategies, 2005”, March 27, 2005, World TB Day, Maryland Department of Health & Mental Hygiene

“Tuberculosis and HIV: A lethal combination”, Annually since 2005, Advanced Issues on HIV/AIDS, Johns Hopkins Bloomberg School of Public Health Summer Institute for Epidemiology

“Tuberculosis and HIV: A lethal combination”, October 18, 2005 (2006-2008), Epidemiology and Public Health Impact of HIV and AIDS, Johns Hopkins Bloomberg School of Public Health

“Tuberculosis and HIV: A lethal combination”, Online recording, Epidemiology and Public Health Impact of HIV and AIDS, Johns Hopkins Bloomberg School of Public Health

“Thinking TB: Local & Global Control Strategies, 2006”, March 24, 2006, World TB Day, Global Health Interest Group, Johns Hopkins School of Medicine

“Epidemiology of Tuberculosis”, April 25, 2006 & June 5, 2007, TB Today meeting of the Maryland Department of Health & Mental Hygiene

“XDR TB”, Minnesota National Public Radio, June 4, 2007

“Epidemiology of Tuberculosis”, June 5, 2007, Maryland TB Today program

“TB from A to X (AIDS to XDR)”, Johns Hopkins Summer Institute, June 20, 2007

“Thinking TB: Local & Global Control Strategies”, July 16, 2007, ID Didactic Conference

“History of Tuberculosis”, October 4, 2007, Maryland State Annual Tuberculosis Meeting

“Tuberculosis incidence by HAART and isoniazid prophylactic therapy in HIV-infected patients in Rio de Janeiro, Brazil”, December 10, 2007, New York City Department of Health and Mental Hygiene, Bureau of Tuberculosis Control and the Centers for Disease Control and Prevention