

## CURRICULUM VITAE

TIMOTHY FRANCIS BREWER

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### Personal History:

Date of Birth: January 29, 1959

Place of Birth: Los Angeles, California

Citizenship: USA

Marital Status: Married

### Education:

1981	B.A. Yale College <i>Babcock Trophy</i>
1985	M.D. New York Medical College <i>William Cullen Bryant Prize</i> <i>Frank L. Pollack, M.D. Research Award</i> <i>National Student Research Forum Award</i> <i>Cor et Manus</i>
1991	M.P.H. Harvard School of Public Health (Tropical Public Health)

### Postdoctoral Training:

#### Internship and Residencies

1985-1986	Intern in Medicine, Mount Auburn Hospital, Cambridge, Massachusetts
1986-1988	Resident in Medicine, Mount Auburn Hospital, Cambridge, Massachusetts
1988-1989	Chief Medical Resident, Mount Auburn Hospital, Cambridge, Massachusetts

#### Clinical and Research Fellowships

1985-1989	Clinical Fellow in Medicine, Harvard Medical School
1991-1994	Infectious Disease Fellow, Massachusetts General Hospital
1991-1994	Research Fellow in Medicine, Harvard Medical School

### **Licensure and Certification:**

1986	Diplomate, National Board of Medical Examiners
1986-2016	Full Massachusetts License (#56739)
1988	Diplomate, American Board of Internal Medicine
1994-	Diplomate in Infectious Diseases
2006	Quebec Restrictive Permit in Infectiologie (#06004)
2011-2015	Full Quebec Permit in Infectiologie (#06004)
2013-	Full California Medical License (#G89333)

### **Academic Appointments:**

2013-	Professor of Medicine, University of California, Los Angeles
2005-2012	Associate Professor of Medicine, McGill Medical School
1999-2005	Assistant Professor of Medicine, Harvard Medical School
1994-1998	Instructor in Medicine, Harvard Medical School

### **Hospital or Affiliated Institution Appointments:**

2013-	Staff Physician in Infectious Diseases, Ronald Reagan Medical Center and Santa Monica Hospital, University of California, Los Angeles
2009-2010	Physician, Montreal General Hospital Tropical Disease Centre, McGill University
2006-2012	Staff Physician in Infectious Diseases, McGill University Health Centre, Sir Mortimer B. Davis Jewish General Hospital and the Établissements du RUIS de l'Université McGill
2002-2005	Associate Epidemiologist, Brigham and Women's Hospital, Harvard University
2002-2005	Staff Physician in Infectious Diseases, Mount Auburn Hospital, Harvard University
1995-1997	Staff Physician in Infectious Diseases, West Roxbury VA Medical Center, Harvard University
1995-2002	Courtesy Staff Physician in Infectious Diseases, Mount Auburn Hospital, Harvard University
1994-2002	Associate Physician, Department of Medicine, Brigham and Women's Hospital, Harvard University
1989-1991	Staff Internist, Mount Auburn Hospital, Harvard University
1987	Internist, Albert Schweitzer Hospital, Lambarene, Gabon, West Africa

### **Leadership Positions:**

2013-	<u>Vice Provost, Interdisciplinary &amp; Cross Campus Affairs, UCLA</u> <i>Campus-wide Organized Research Unit Evaluation System</i> In collaboration with the Academic Senate, senior administrative leadership and faculty directors developed and oversaw a new rigorous, transparent peer-review system for interdisciplinary organized research units that collectively involve hundreds of faculty and tens of millions of dollars of research funding. All research unit evaluations were up-to-date
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within three years of program's launch.

*Interdisciplinary Symposia, Workshop and Visiting Professorships*

Conceived, launched and ran new funding opportunities for interdisciplinary symposia, workshops and visiting professorships that in its first 5 years directly supported over 500 faculty representing 89 departments across all College Divisions and Professional Schools. In the first three years of the program supported interdisciplinary teams generated a 96-to-1 return on investment from external research grants.

*Undergraduate Educational Initiatives*

Facilitating the launch of an undergraduate global health minor that within 3 years grew 300% to become one of the 10 most popular at UCLA. Established a new undergraduate interdisciplinary research scholarship program; 80% of these awards went to students from underrepresented groups.

*Diversity Initiatives*

Conceived and led a Campus-wide inventory on diversity associated academic activities, and created what is probably the most comprehensive publicly available map and database of UCLA's diversity related programs. Funded the establishment of the Center for the Study of International Migration and provided support for numerous diversity, equity and inclusion related symposia, workshops and visiting professorships. Instituted procedures for diverse organized research unit (ORU) review committees, and established the requirement that each ORU be assessed on how its programs promote and foster diversity, equity and inclusion.

*Communications and outreach*

Created the first Campus wide databases of interest areas such as diversity, environment and sustainability and global health. These databases include information on over 1,650 faculty and 3,300 courses in list and map formats. Created a web site for interdisciplinary events.

*Environment and Sustainability*

Chaired a special task force on environment and sustainability strategic planning that resulted in a new centrally supported Associate Vice Chancellor position with research logistics support and seed funding.

*Special projects*

Organized and oversaw evaluations of major interdisciplinary programs including the Country's largest university-based film & television special collections archive. Assisted a professional school in developing a 4+1 undergraduate/masters program proposal.

2005-2012

Director, Global Health Programs McGill University Medical School  
National and International Leadership in Global Health Education

Led efforts to define global health educational standards for Canadian

and US medical schools. Sole Canadian faculty representative on the Boards of the Consortium of Universities for Global Health, the Global Health Education Consortium and the Association of American Universities Committee on Global Health.

*Global Health Core Competencies*

Oversaw the first nationwide inventory of global health activities in Canadian medical schools and developed global health core competency recommendations for Canadian medical students while serving as Chair of the Association of Faculties of Medicine of Canada Resource Group on Global Health.

*Pre-departure Training*

Oversaw the first nationwide inventory of pre-departure training activities in Canadian medical schools for students participating in international electives and developed recommendations for standardized training guidelines across Canadian medical schools. These recommendations were used to support the acceptance of a new Liaison Committee on Medical Education standard to provide pre-departure training for all US/Canadian medical students participating in international electives.

*International Global Health Conference*

Scientific Program co-Chair and Logistics Committee Chair for the first joint meeting of the Consortium of Universities for Global Health, Global Health Education Consortium and the Canadian Society for International Health conference. Over 1,400 attendees from 62 countries participated, including leading figures in global health from Government and academia as speakers.

*Provost's Work Group on Service to the Global Community*

Chaired a University-wide work group to identify and describe the breadth and depth of McGill's international service contributions. Accomplishments included a successful survey of over 400 individuals across all 11 Faculties and 11 Administrative units, the identification and mapping of over unique 700 projects and the development of 10 consensus recommendations for the University's Academic Strategic Plan.

*McGill Global Health Programs' Project Database*

Developed the University's first centralized interactive database on global health research, educational and service activities. The database included information on 170 projects involving 100 faculty in over 30 countries and was searchable by faculty member, country and project type.

*Global Health Programs' Annual Conference*

Developed an annual University-wide conference on global health that attracts faculty and students from across disciplines. Faculty from Agricultural and Environmental Sciences, Arts, Education, Law, Medicine

and Science have participated as speakers in these conferences in addition to global health leaders from Government and other universities.

*McGill Interprofessional Global Health Course*

Oversaw the development of an annual student-run elective course for medical, nursing and occupational health students. The course was routinely oversubscribed and attracted approximately 80 students from across the health sciences.

*McGill Global Health Library Resource Guide*

With the Health Sciences Library and the Institute for Health and Social Policy, developed and built an electronic-based reference site in global health to facilitate developing projects and courses.

1996-2005

Program Director, International Society for Infectious Diseases

Oversaw all training, educational, and professional development programs for organization with approximately 20,000 members in over 100 countries. Principal responsibilities included program development, management, supervision of personnel, and fund raising. These tasks included responsibility for the following programs:

*International Congress on Infectious Diseases*

Oversaw all aspects of the scientific program including identifying and organizing plenary sessions and symposia for 6 biannual infectious diseases congresses; approximately 2,500 physicians and scientists from 100 countries and over 100 speakers participated in each of these meetings.

*International Meeting on Emerging Diseases and Surveillance*

Helped establish the first and subsequent meetings of over 650 public health officials, scientists and clinicians from human and animal infectious diseases fields to discuss emerging diseases. Co-sponsored by the World Health Organization, the European Centre for Disease Prevention and Control and the World Organization for Animal Health among others.

*HIV Training Program*

Intensive clinical training based at Memorial Sloan Kettering Cancer Center, and the National Institutes of Health for physicians involved in the care of patients infected with HIV. Between 1998-2006, over 170 physicians from 61 different countries were trained through this program.

*ProMED-mail*

One of the world's largest and most comprehensive electronic infectious diseases outbreak reporting systems routinely used by organizations such as WHO, CDC, and others. Professional program personnel under my leadership grew from 5 to over 30, with the number of subscribers increasing approximately 20% per year from 19,000 to over 50,000 subscribers in 187 countries.

### *Grants and Fellowship Programs*

Scholarships to provide outstanding junior investigators in low- and middle-income countries grants for pilot research projects and opportunities to train in laboratories outside their regions. Between 2001-2005 over 350 grant applications were received with 37 projects funded.

### **International Advisory Roles:**

- 2009-2018 Consortium of Universities for Global Health (CUGH) Board of Directors  
The only non-US university representative selected to serve as a founding member of the Board of a consortium of leading North American university-based global health programs
- 2008-2012 Senior Program Advisor, International Society for Infectious Diseases  
Consult on training, educational, and professional development programs for organization with approximately 20,000 members in over 100 countries.
- 2009-2010 Association of American Universities Global Health Planning Committee  
One of only two faculty members to serve on the committee charged with determining AAU's global health goals and providing guidance for its associated research intensive universities
- 2008-2011 Global Health Education Consortium (GHEC) Board of Directors  
GHEC was North America's largest organization of health sciences faculty and students devoted to global health. Helped oversee the successful merger of GHEC and CUGH in 2011.

### **International and National Board & Leadership Positions**

- 2016-2018 Chair Emeritus, Consortium of Universities for Global Health Board of Directors
- 2014-2016 Chair, Consortium of Universities for Global Health Board of Directors
- 2012-2014 Vice-chairman, Consortium of Universities for Global Health Board of Directors
- 2011-2012 McGill University Representative, Canadian Coalition for Global Health Research University Advisory Board
- 2009-2014 Founding Chairman, Consortium of Universities for Global Health Education Committee
- 2009-2018 Founding member, Consortium of Universities for Global Health Board of Directors
- 2008-2010 Chairman, Global Health Education Consortium and Associate of Faculties of Medicine of Canada Resource Group on Global Health US/Canada Joint Initiative on Global Health Medical Education Standards
- 2006-2009 Chairman, Associate of Faculties of Medicine of Canada Resource Group on Global Health
- 2005-2012 McGill Faculty Representative, AFMC Resource Group on Global Health
- 1983-1984 Organization of Student Representatives, National Advisory Board, Association of American Medical Colleges

1983-1984 Chairman, Northeast Region of the OSR-AAMC

### Major Committee Assignments:

#### International and National Scientific Review Committee Assignments

2019	Chair, external reviewer, University of California, San Francisco Masters of Science in Global Health program
2015-	Canadian Institutes of Health Research College of Reviewers Major foundation programs and investigator initiated programs reviewer
2013-2018	Canadian Institutes of Health Research Institute of Population and Public Health, review committee member
2013	External Reviewer, University of California, San Francisco Masters of Science in Global Health program
2010	External Reviewer, US Fogarty International Center's Framework Programs for Global Health
2001	NIH Center for Scientific Review, Epidemiology and Disease Control Study Section (EDC-3), member
1999	National Institute of Allergy and Infectious Diseases Special Emphasis Panel, member

#### International, National, State, Corporate and University Scientific Advisory Positions

2020	University of California, Davis, external reviewer for appointment as Distinguished Professor
2018	University of Michigan, external reviewer for appointment as Associate Professor with Tenure
2017	University of Texas, external reviewer for appointment as Associate Professor, tenure track
2015-	Founding member, Bellagio Global Health Education Initiative
2015	Duke University, external reviewer for promotion to Research Professor
2015	University of Montréal, external reviewer for promotion to Professor
2015	George Washington University, external reviewer for promotion to Professor
2014	University of Alabama, Birmingham, external reviewer for promotion to Associate Professor with tenure
2012	Member, Grand Challenges Canada Scientific Advisory Board
2009	Information and Communications Technologies Tools for Public Health Security, Technical Meeting, World Health Organization
2008	Ottawa Health Research Institute, external reviewer for promotion to Scientist
2005-2010	Global Pandemic Initiative Steering Committee (IBM Corporation)
2002-2004	Strategic Plan for Tuberculosis Training & Education, Co-chair of National Foreign-born and International Medical Graduate Working Group (US Centers for Disease Control and Prevention (CDC))
2002-2004	Strategic Plan for Tuberculosis Training & Education, National Steering Committee member (US CDC)
2001-2003	Vice-Chairman, Medical Advisory Committee for the Elimination of Tuberculosis (MACET), Massachusetts Department of Public Health

2000-2002	Chairman, MACET Subcommittee on Tuberculosis in Foreign-born,
2000-2003	Member, Medical Advisory Committee for the Elimination of Tuberculosis
1998	World Health Organization Advisory Workshop on Tuberculosis Control and Schools of Public Health
1995-1999	Tuberculosis Medical Advisory Board of Massachusetts, member

University, Medical School and Hospital Committee Assignments

2018-2020	University of California Global Health Institute Nominations Committee
2016	Chair, School of Nursing Dean Search Committee
2016-2020	UCLA representative member, University of California Global Health Institute Board of Directors
2014-2016	Steering Committee for Online Education & Teaching, UCLA
2013-2014	Chair, Environment and Sustainability Strategic Task Force, UCLA
2013-2015	Chair, Global Health Initiative Committee, UCLA
2013-2016	Chancellor's Executive Committee, UCLA
2013-2015	Provost's Cabinet, UCLA
2013-2019	Deans' Council, UCLA
2012	Chair, Office of the Provost's Work Group on Service to the Global Community, McGill University
2009-2010	McGill University Pandemic Planning Committee
2007-2012	Chair, Selection Committee for the Chan Prize in Multicultural and International Medicine, McGill University Medical School
2003-2004	Nominations Committee, member, Mount Auburn Hospital
2002-2005	Institutional Review Board, member, Mount Auburn Hospital
1997-2005	International Programs Committee, Senior Fellow, Harvard Medical School
1988-1990	Human Research Review Committee, member, Mount Auburn Hospital
1988-1989	Nursing-Housestaff Relations Committee, member, Mount Auburn Hospital
1988-1989	Medical Review Committee, member, Mount Auburn Hospital
1986-1988	Medical Records Committee, member, Mount Auburn Hospital
1984-1985	Student Senate, President, New York Medical College
1984-1985	Institute of Human Values, Founding Member, New York Medical College

**Professional Societies:**

2008-2012	International Society for Infectious Diseases, Senior Program Advisor
1996-2008	International Society for Infectious Diseases, Program Director
1992-present	Infectious Diseases Society of America, fellow
1990-present	American College of Physicians, fellow
1989-2005	American Society of Tropical Medicine and Hygiene, member
1987-2000	Physicians for Social Responsibility, member
1985-2005	Massachusetts Medical Society, member

**Editorial Boards**



2013-            *Epidemiology and Infection*  
2006-2012      Associate Editor, *Epidemiology and Infection*

Reviewer for among others the *New England Journal of Medicine*, *Journal of the American Medical Association*, *Clinical Infectious Diseases*, *Academic Medicine*

**Awards and Honors:**

2008            Fellow, Infectious Disease Society of America

2005-2008      Royal Victoria Hospital Foundation Centennial Award

2005            New Clinician Teaching Award, Mount Auburn Hospital, Harvard Medical School

2004            Visiting Professor, Tulane Division of Infectious Diseases

2004            Mount Auburn Hospital Consultant of the Year by Senior Residents

2002            Klaus Peter International Teaching Award, Harvard Medical School

1999            Top 5% of peer reviewers for *JAMA*

1998            Fellow, American College of Physicians

1997            National Institutes of Health Mentored Clinician Scientist Award

1993            National Service Research Award

1993            Alfred L. Frechette Postdoctoral Research Fellowship in Public Health

1989            General Internal Medicine Faculty Development Program Award for promising clinician-teachers, Harvard Medical School

**Part II: Research, Teaching, and Clinical Contributions**

Overview:

My research has focused on using analytic methods to evaluate infectious diseases public policy in a rigorous and quantitative fashion. A number of studies were among the first of their kind in the field or help define the standard of knowledge at the time. Representative examples include:

1. Evaluation of BCG Vaccine Efficacy

BCG is among most widely used vaccines, but there exists tremendous uncertainty about its efficacy. Our meta-analysis of BCG efficacy has become one of the most widely cited publications in the field. Additional work investigated BCG use for health care workers, children and the relationship between different vaccine strains and efficacy. This collective work has been cited more than 1,200 times.

## 2. Evaluation of Public Health Policies

We were among the first to apply semi-Markov modeling and Latin Hypercube risk analysis methods to evaluate the cost-effectiveness of tuberculosis control policies. Studies evaluated national prevention and treatment policies; prevention and control in children; the cost-effectiveness of empiric treatment; the use of rapid and conventional diagnostic laboratory strategies; the acceptability of directly observed therapy and prevention and control in homeless populations. Additional work focused on the control of multiple drug-resistant TB. Analytic methods have also been used to evaluate the infectious risk from blood transfusions in countries with and without effective screening programs and to assess post-marketing surveillance and adverse drug reactions. Recent work focuses on modeling the cost-effectiveness of point-of-care diagnostics in low-resource settings and of active tuberculosis case finding in low-resource, tuberculosis endemic settings

## 3. Evaluation of non-governmental systems for global outbreak detection

Non-governmental systems such as the media and internet sites now account for the majority of all information regarding possible outbreaks and pandemics received by the World Health Organization (WHO). We are undertaking among the first evaluations of the strengths and weakness of these informal systems. Our recent publication in PNAS was one of the earliest to look at trends in outbreak reporting since the advent of these non-governmental systems both globally and by WHO region. More recent work focuses on comparisons in outbreak detection by original source of information.

### Funding Information:

#### Current:

2016-2022 co-Investigator  
Canadian Institutes of Health Research (CIHR) CDN \$1,292,148  
Development epidemiology: identifying evidence-based interventions for improving population health and promoting health equity

#### Past (Partial list):

2013-2015 co-Investigator  
US Centers for Disease Control and Prevention (CDC)  
Optimizing Clinical Outcomes in HIV-infected Adults & Children Using Xpert MTB/RIF in Zambia

2012-2015 co-Investigator (original PI)  
CIHR CDN\$321,411  
Cost-effectiveness of population-based tuberculosis control

2011-2016 co-Investigator  
CIHR CDN\$1,982,361  
Examining the Impact of Social Policies on Health Equity: How Policies Designed to Reduce Poverty and Gender Inequality Affect Morbidity and Mortality in

Children and Women

2009-2015 co-Investigator  
CIHR CDN\$1,789,998  
Global Health Research Capacity Strengthening Program (GHR-CAPS)

2011-2012 Principal Investigator  
Montreal General Hospital Foundation CDN\$45,000  
McGill Global Health Projects Database Development Project

2009-2012 co-Investigator  
IDRC CDN\$299,799  
Epidemiology of HPV infection and feasibility of HPV vaccination implementation in Haiti

2009-2012 co-Investigator; Canadian site Principal Investigator  
McLaughlin-Rotman Centre for Global Health US\$73,056  
Cost-effectiveness of "black box" diagnostics for fever etiologies in Peru

2009-2011 Principal Investigator  
Canada-California Strategic Innovation Partnership (CCSIP) CDN\$28,819  
Marshalling Information Technology for Global Health

2008-2011 co-Principal Investigator  
Google.org US\$2,999,997  
ProMED and HealthMap: Enhancing Emerging Disease Detection and Surveillance through Collaboration

2008-2010 Principal Investigator  
Donner Foundation Canada CDN\$15,035  
Development of National Guidelines for Global Health Training in Canada

2007-2010 co-Investigator  
CIHR CDN\$72,500  
Understanding Epidemics in Special Populations: Guiding Intervention and Planning

2007-2010 co-Investigator  
Rockefeller Foundation US\$229,445  
Enhancing Global Infectious Disease Surveillance

2004-2007 Principal Investigator  
Rockefeller Foundation US\$209,190  
Emerging Disease Surveillance in Mekong Delta and East Africa

2003-2004 Principal Investigator  
Nuclear Threat Initiative US\$65,000  
Biological Weapons Threat Reduction: Expanding Outbreak Reporting and Education in the Newly Independent States

2002-2004	Principal Investigator	
	Rockefeller Foundation	US\$100,000
	Enhancing Global Infectious Disease Surveillance	
2000-2002	Principal Investigator	
	Bill & Melinda Gates Foundation	US\$963,000
	ProMED-mail: The Independent Global System for Early Warning to Prevent Epidemics	
1999-2004	co-Investigator	
	National Institute of Allergy and Infectious Diseases	US\$1,598,489
	Nutrition, Immunology and Epidemiology of TB	
1999-2001	Principal Investigator	
	Rockefeller Foundation	US\$100,000
	Emerging Disease Surveillance	
1998-2002	Principal Investigator	
	National Institute of Allergy and Infectious Diseases	US\$437,400
	Cost-Effective Control of Tuberculosis in the U.S.	
1994-1996	Principal Investigator	
	Agency for Health Care Policy Research	
	National Service Research Award	
1993-1994	Co-Investigator	
	US CDC	
	Tuberculosis Control Project	
1993-1994	Principal Investigator	US\$35,000
	Massachusetts Public Health Research Council	
	Alfred L. Frechette Research Methods to Diagnose and Prevent Tuberculosis	
1993	Principal Investigator	US\$15,000
	Potts Memorial Foundation	
	Cost-effectiveness of Strategies to Prevent Tuberculosis	

## **Report of Current Research Activities**

### *Cost-effectiveness of population-based tuberculosis control*

This project involves assisting in the design and the cost-effectiveness evaluation of the first large-scale active tuberculosis case finding program undertaken by the Peruvian Ministry of Health among household contacts of TB patients in North Lima, Peru.

### *Development epidemiology: identifying evidence-based interventions for improving population health and promoting health equity*

The overarching objective of the proposed research program is to produce rigorous evidence concerning the impact of public policies on the health-related targets set forth by the

United Nations Sustainable Development Goals (SDGs).

**Report of Teaching:**

1. Local Contributions

Medical School Courses

a. University of California, Los Angeles

- 2013- Human Biology & Disease Block 6, Foundations of Medicine II  
Recognizing Outbreaks: Public Health in an Interconnected World  
For 2<sup>nd</sup> year medical students
- 2013- Primary Care Foundations Week  
Introduction to Global Health lecture for 4<sup>th</sup> year medical students;  
Global Burden of Diseases

b. McGill University Medical School

- 2012 Evidence-based Medicine  
Tutor for 10-15 medical students for 4 sessions
- 2011-2012 Foundations of Population Health EPIB 602  
Lecture and moderated discussion on global health issues for  
graduate students in public health
- 2009-2012 Basis of Medicine Unit 7  
Public Health, Pandemics and Epidemics for 2<sup>nd</sup> year medical  
students
- 2008-2012 Basis of Medicine Unit 1  
Introduction to global health for 1<sup>st</sup> year medical students
- 2008-2012 Global Health: Epidemiological Research EPIB 681  
Lectures on tuberculosis and global burden of disease for  
graduate students in epidemiology and biostatistics
- 2008-2012 Medicine and Society  
Organized and presented in a symposium on global health for 4<sup>th</sup>  
year medical students. Topics included global burden of  
diseases, immigrant and refugee health and research in low-  
resource settings and health care in disaster settings
- 2008-2012 Physicianship  
Lecture for 1<sup>st</sup> year medical students on global burden of diseases
- 2007-2012 Epidemiology of Infectious Diseases EPIB 678  
Non-traditional outbreak reporting systems; Emerging Diseases

- Lecturer for Epidemiology, Biostatistics & Occupational Health graduate students
- 2007, 2011 Emerging Diseases and Epidemiology  
Lecturer for Infectious Disease Fellows
- 2006-2012 Basis of Medicine Unit 8a Epidemiology  
Tutor for 10-15 medical students for 6 sessions
- 2006-2008 Back to Basics Course  
AIDS in the Low Resource Settings  
Lecture and tutorial for fourth-year medical students
- 2006,  
2011-2012 Inflammatory Processes MIMM 509  
Multiple drug-resistant tuberculosis; emerging diseases  
Lecturer for graduate students in microbiology and immunology
- c. Harvard Medical School
- 1999-2003 The Epidemiology of Tuberculosis  
Lecturer for Infectious Disease Fellows
- 1997-2002 Clinical Epidemiology  
Tutor for 8-10 medical students for 15 weeks
- d. Clinical Teaching
- 2013- Ronald Reagan UCLA Medical Center & UCLA Medical Center, Santa Monica  
Supervise Infectious Diseases fellows, Internal Medicine residents and medical students on infectious diseases elective.
- 2006-2012 SMBD Jewish General Hospital  
Supervise Infectious Diseases fellows, Medical and Family Medicine residents and medical students on infectious diseases elective. Provide teaching to house staff on clinical services
- 2002-2005 Mount Auburn Hospital, Cambridge, MA  
Supervise resident on infectious diseases elective  
Provide teaching to house staff on clinical services

#### Invited Teaching Presentations

University of California, Los Angeles

- 2017 CHS200 Global Health Problems, Fielding School of Public Health  
Presentation to 20-30 graduate student on tuberculosis field research in a middle-income country

- 2017- UCLA South American Program in HIV Prevention Research Program (SAPHIR)  
Presentation to 5-8 pre- and post-doctoral research fellows on tuberculosis research in Peru
- 2015- Global Health in an Interconnected World; Understanding Global Health Governance (2 lectures)  
Global Leader Training Workshop on Advanced Epidemiology and Public Health, Fielding School of Public Health
- 2015 Global Health Pre-departure Training Day (2 lectures)  
Tuberculosis; Global Health Partnerships
- 2013- Global Health Track for Medical Residents  
Tuberculosis: Global Successes & Current Challenges  
Making Global Health Partnerships Work for all Partners
- 2013- Global Burden of Disease; Introduction to Global Health  
Global Health Awareness Week, Center for World Health
- 2013 International Development Studies 191-2  
Presentation to 30-40 undergraduate students on global public health related to infectious diseases outbreaks

Kaiser Permanente Resident Elective in Health Policy

- 2015- Global Burden of Disease; Introduction to Global Health  
Presentation on global health issues to 20-30 residents in a special course on health policy

McGill Medical School and affiliated Hospitals

- 2012 Research presentation to Montreal Chest Respiratory Epidemiology and Clinical Research Unit on understanding epidemics and pandemics
- 2012 Research presentation to Royal Victoria Hospital Clinical Epidemiology group outbreak control
- 2011 Internal Medicine academic half day: cellulitis  
Presentation to McGill affiliated residents in internal medicine
- 2011 Epidemiologic principles of infectious diseases  
Presentation to McGill affiliated residents in microbiology and infectious diseases
- 2009 Centre for Clinical Epidemiology and Community Studies, Jewish General Hospital presentation on multiple-drug resistant

tuberculosis research

McGill/Dartmouth Joint Program for Haitian Physicians

2012 Cellulitis  
Continuing medical education lecture for Haitian physicians

McGill Law School

2009 Health Care Governance  
Global Inequities and Challenges  
Lecturer for law students

Universidad Peruana Cayetano Heredia School of Public Health

2009 Global Health and Emerging Diseases  
Lecturer for Cayetano School of Public Health students

Harvard School of Public Health

2005 Vaccines-BCG  
Lecturer for Harvard School of Public Health students

1998 Respiratory Epidemiology  
Lecturer for Harvard School of Public Health students

1996-1999 Tuberculosis Epidemiology and Control  
Lecturer for Harvard School of Public Health students

1995-2003 Tuberculosis  
Lecturer for Harvard School of Public Health students

London School of Hygiene & Tropical Medicine

1999 Computer Modeling and Tuberculosis Control  
Lecturer for faculty and students of the Infectious Diseases

d. Continuing Medical Education Courses

2010 McGill Critical Care Symposium. Keynote lecture on global emerging diseases.

2008 McGill Medical School Rural Multimedia Webcast. Lecture and discussion on Emerging Diseases

2006 Tropical Diseases: A review of Clinical and Laboratory Medicine. McGill Centre for Tropical Diseases, Montreal, Canada. Lecture on AIDS in the Tropics

1997 Conference on Emerging Infections: Origins, Ecology, Costs and Prevention. Harvard School of Public Health and U.S. Centers for Disease Control and Prevention. Developed Case study for



workshop; moderator for workshop

e. Advisory and Supervisory Responsibilities

Preceptor for infectious diseases fellows, medical residents and medical students on clinical rotations as well as individual research projects. There is usually one to two fellows, residents or students on clinical elective each month, with approximately 15-30 hours spent in direct supervision each week on service. I also have supervised medical students, medical residents and research assistants in clinical research projects.

Undergraduate/medical students/residents/fellows (research project supervision)

Raza Izadnegahdar	(McGill University)
Robert Battat	(McGill University)
Kelly Anderson	(University of Toronto)
William Cherniak	(University of Toronto)
Larissa Otero	(Universidad Peruana Cayetano Heredia)
Seth Judson	(University of California, Los Angeles)
Jason Malenfant	(University of California, Los Angeles)

Masters students

Howard Choi	Masters of International Health (Johns Hopkins—field project supervisor 2008)
Aidan Findlater	Masters of Epidemiology (McGill 2011)
Luke Mondor	Masters of Epidemiology (McGill 2011)
Charlotte Picard	Masters of Epidemiology (McGill 2011)
Lipi Mishra	Masters of Epidemiology (McGill 2012)

Ph.D. students

Lena Shah	Doctorate in Epidemiology (McGill 2015)
Kate Zinszer	Doctorate in Epidemiology (McGill 2014; Committee member)

Post-doctoral fellows

Pablo Tsukayama, Ph.D.	Genomic characterization of resistance determinants and transmission patterns of Mycobacterium tuberculosis in a high-incidence district in Lima, Peru
Drissa Sia, Ph.D.	Determinants of HIV-infection by gender over time
Lena Shah, Ph.D.	Clustered, randomized trial of active case finding among household contacts in a tuberculosis endemic district of Lima, Peru

2. Regional, National or International Contributions:

a. Professional Leadership Roles related to Development, Research & Teaching

2020	19 <sup>th</sup> International Congress on Infectious Diseases, Kuala Lumpur, Malaysia. Symposia co-chair (cancelled)
2018	International Meeting on Emerging Diseases and Surveillance,

2018 Vienna, Austria. Symposium co-chair and member, Scientific Program Committee

2018 18<sup>th</sup> International Congress on Infectious Diseases, Buenos Aires, Argentina. Symposia co-chair

2016 International Meeting on Emerging Diseases and Surveillance, 2016 Vienna, Austria. Member, Scientific Program Committee and symposium chair

2015-2016 Bridging to a Sustainable Future in Global Health, 7<sup>th</sup> annual meeting of the Consortium of Universities for Global Health, San Francisco, CA, USA. Member of the program committee

2015 Towards a Universal Medical Student Curriculum for Global Health. Rockefeller Foundation Conference Center, Bellagio, Italy

2014-2015 Mobilizing Research for Global Health, 6<sup>th</sup> annual meeting of the Consortium of Universities for Global Health, Boston, MA, USA. Member of the program committee

2014 International Meeting on Emerging Diseases and Surveillance, 2014 Vienna, Austria. Member, Scientific Program Committee

2014 Universities 2.0: Advancing Global Health in the Post-MDG Era, 5<sup>th</sup> annual meeting of the Consortium of Universities for Global Health, Washington, DC, USA. Member of the program committee and plenary chair

2014 16<sup>th</sup> International Congress on Infectious Diseases, Cape Town, South Africa. Symposia co-chair

2014 2<sup>nd</sup> Annual Blum Center for Poverty & Health in Latin America Conference, Los Angeles, Workshop Moderator

2013-2014 Universities 2.0: Advancing the Global Health Agenda in the Post-MDG Era, 5<sup>th</sup> annual meeting of the Consortium of Universities for Global Health, Washington, D.C. Member, Scientific Program Committee

2013 Blum Center for Poverty & Health in Latin America, Los Angeles, Moderator, Deans' Panel on Poverty & Health

2013 Innovation, Implementation & Impact, 4<sup>th</sup> annual meeting of the Consortium of Universities for Global Health, Washington, DC, USA. Member of the program committee and chair of a plenary and symposium

2012-2013 International Meeting on Emerging Diseases and Surveillance, 2013 Vienna, Austria. Member, Scientific Program Committee and co-chair of two sessions for meeting of approximately 800 persons.

2012 15<sup>th</sup> International Congress on Infectious Diseases, Bangkok, Thailand. Participated in abstract review of submissions in epidemiology and public health.

2011 Environmental Health and Equity: Strategies and Innovations, Montreal, Canada. Developed and co-chaired 5<sup>th</sup> annual McGill global health meeting for approximately 150 participants from across Canada and North America; done jointly with the Institute for Health and Social Policy

2010-2011 Global Health Advancing Health Equity in the 21<sup>st</sup> Century, Program Committee Chair for the first-ever joint meeting of the

- Consortium of Universities for Global Health, the Global Health Education Consortium and the Canadian Society for International Health, Montreal, Canada.
- 2010-2011 International Meeting on Emerging Diseases and Surveillance, 2011 Vienna, Austria. Member, Scientific Program Committee and co-chair of two sessions for meeting of approximately 800 persons.
- 2010 17<sup>th</sup> Canadian Conference on International Health, Ottawa, Canada. Organized and co-chaired all day workshop on Core Competencies Global Health in Medical Education
- 2010 Transforming Global Health, 2<sup>nd</sup> annual meeting of the Consortium of Universities for Global Health, Seattle, USA. Chairing the educational innovations tract and developing two invited symposia
- 2010 Innovations in Global Health, Montreal, Canada. Developed and chaired 4<sup>th</sup> annual McGill global health meeting for approximately 150 participants from across Canada and North America
- 2010 Alliances for Global Health Education: learning from South-South Collaborations, 19<sup>th</sup> annual Global Health Education Consortium meeting, 1<sup>st</sup> Latin American and Caribbean Conference on Global Health, Cuernavaca, Mexico. Organized and co-chaired symposium on global health core competencies
- 2010 14<sup>th</sup> International Congress on Infectious Diseases, Miami, USA. Organized and co-chaired symposium on tuberculosis.
- 2009 Future of Global Health, 1<sup>st</sup> annual meeting of the Consortium of Universities for Global Health, Washington, DC. Assisted in the development of the scientific program and chaired the research abstracts symposium and educational committee breakout session for meeting of approximately 250 international participants
- 2009 Building and Maintaining Sustainable Global Health Partnerships, Montreal, Canada. Developed and chaired 3<sup>rd</sup> annual global health meeting for approximately 150 participants from across Canada and North America
- 2009 Canadian Conference on Medical Education, Edmonton, Alberta. Developed and chaired AFMC Global Health Resource Group workshop on ethical challenges in international electives.
- 2009 26<sup>th</sup> International Congress of Chemotherapy and Infection, Toronto, Canada. Member, Scientific Advisory Committee. Helped developed 2 symposia for this international medical congress.
- 2008 Global Health Education: Building a Healthier World Conference, Montreal, Canada. Developed and chaired 2<sup>nd</sup> annual global health meeting for approximately 150 participants from across Canada and North America
- 2008 Canadian Conference on Medical Education, Montreal, Quebec. Developed and chaired AFMC Global Health Resource Group workshop on pre-departure training for international electives.
- 2007-2009 International Meeting on Emerging Diseases and Surveillance, 2009 Vienna, Austria. Member, Scientific Program Committee and co-chair of two sessions for meeting of approximately 800

- persons.
- 2007 Beyond Borders: Building Interdisciplinary Research and Education in Global Health & Social Policy Conference, Montreal, Canada. Founding Co-director of University wide initiative to develop new trans-disciplinary teaching strategies for global health and social determinants of health
- 2007 Canadian Conference on Medical Education, Victoria, British Columbia. Developed and chaired AFMC Global Health Resource Group workshop on developing core competencies for global health training.
- 2006-2008 13<sup>th</sup> International Congress on Infectious Diseases, Kuala Lumpur, Malaysia. Identifying and organizing plenary sessions and symposia for an infectious diseases meeting of approximately 3,000 physicians and scientists from 100 countries.
- 2006-2007 International Meeting on Emerging Diseases and Surveillance, 2007 Vienna, Austria. Member, Scientific Program Committee and co-chair of two sessions for meeting of approximately 650 persons.
- 2006 13<sup>th</sup> Canadian Conference on International Health, Ottawa, Canada. Organized workshop on The Case for Global Health in Medical Education
- 2005-2006 15<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Nice, France. Helped organize symposium on emerging viral diseases in Europe.
- 2004-2006 12<sup>th</sup> International Congress on Infectious Diseases, Lisbon, Portugal. Identifying and organizing plenary sessions and symposia for an infectious diseases meeting of approximately 3,000 physicians and scientists from 100 countries.
- 2003 13<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Glasgow, United Kingdom. Helped organize interactive symposium on zoonosis.
- 2002-2004 11<sup>th</sup> International Congress on Infectious Diseases, Cancun, Mexico. Identifying and organizing plenary sessions and symposia for an infectious diseases meeting of approximately 2,500 physicians and scientists from 100 countries.
- 2002 10<sup>th</sup> International Congress on Infectious Diseases, Singapore. Co-chair of tuberculosis symposium.
- 2001 10<sup>th</sup> Panamerican Congress on Infectious Diseases, Guadalajara,
- 2000-2002 10<sup>th</sup> International Congress on Infectious Diseases, Singapore. scientists from 100 countries.
- 1999-2000 9<sup>th</sup> International Congress on Infectious Diseases, Buenos Aires, Argentina. Identifying and organizing plenary sessions and symposia for an infectious diseases meeting of approximately 4,000 physicians and scientists from 100 countries.
- 1999 9<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Berlin, Germany. Helped organize symposium on infections in the 21<sup>st</sup> Century.
- 1998-1999 Antibiotic Resistance and Its Impact On The Management of Infectious Diseases in Low Resource Countries Workshop,

	Nairobi, Kenya. Organized scientific program of workshop which included participants from the World Health Organization, Kenya, Uganda and an international faculty.
1997	Infectious Diseases Society of America Annual Meeting, San
1997	XVIII Pan American Congress for Infectious Diseases / IX Brazilian Congress of Infectious diseases, Bahia, Brazil. Organized symposium on sexually transmitted diseases.
1997	8th European Congress of Clinical Microbiology and Infectious Diseases, Lausanne, Switzerland. Organized symposium on hemorrhagic viral infections.
1997	International Congress for Chemotherapy, Sydney, Australia. Organized a symposium on sexually transmitted diseases.
1996-1998	8th International Congress on Infectious Diseases, Boston, USA. Identifying and organizing plenary sessions and symposia for an infectious diseases meeting of approximately 4,000 physicians and scientists from 100 countries.

**Presentations (partial list-invited presentations only)**

1. Santa Monica Community College Webinar, Santa Monica, California, 2020
2. LA Best Babies Network, Webinar , Los Angeles, California, 2020
3. Plenary speaker, 6<sup>th</sup> International Scientific Conference on Tuberculosis Control in Peru, Peru Ministry of Health, Lima, Peru, 2018.
4. Keynote speaker, Sujal Symposium for Global Health, University of Michigan Medical School, Ann Arbor, Michigan, 2018.
5. Medical Grand Rounds, University of Michigan Medical Center, Ann Arbor, Michigan, 2018.
6. Medical Grand Rounds, Northridge Hospital Medical Center, Northridge, California, 2018.
7. Symposium panel, Health Disparities: a Time for Action, 9<sup>th</sup> Annual Global Health Conference, Consortium of Universities for Global Health, New York, New York, 2018.
8. Infectious Diseases Grand rounds, UCLA Harbor Medical Center, Torrance, California, 2017.
9. Keynote speaker and symposium panel participant, 39<sup>th</sup> Kandy Society of Medicine Annual Academic Sessions, Kandy, Sri Lanka, 2017
10. Seminar, Israeli Society for Medical Education and Ben-Gurion University of the Negev, Beer Sheva, Israel. 2016
11. Tackling Zika: A UCLA forum on facts, fears, questions & solutions. Los Angeles, California. 2016
12. Plenary panel, Capacity building for global health: research & practice. Canadian

- Conference on Global Health, Montreal, Quebec. 2015
13. Surgical Grand Rounds, Boonshoft School of Medicine, Wright State University, Dayton, Ohio. 2015
  14. Presentation, Boonshoft School of Medicine Center for Global Health, Dayton, Ohio. 2015
  15. Medical Grand Rounds, Stanford University Medical Center, Palo Alto, California. 2015
  16. Keynote presentation, Global Health Conference Midwest, Creighton University, Omaha, 2015
  17. Chancellor's Symposium on Medical Education, Nanjing Medical University 80<sup>th</sup> Anniversary Celebration, Nanjing, China, 2014
  18. Presentation, Peking Union Medical College, Beijing, China, 2014
  19. Epidemiology Grand Rounds, Fudan University, Shanghai, China, 2014
  20. Moderator/speaker, NAFSA Association of International Educators annual conference, San Diego, 2014
  21. Opening plenary speaker, Universities 2.0: Advancing Global Health in the Post-MDG Era, 5<sup>th</sup> annual meeting of the Consortium of Universities for Global Health, Washington, DC, USA, 2014.
  22. Medical Grand Rounds, UCLA Ronald Reagan Medical Center, Los Angeles 2013.
  23. Oral presentation, NAFSA Association of International Educators annual conference, Houston 2012
  24. Plenary panel, 9<sup>th</sup> annual Western Regional International Health conference, Seattle, 2012
  25. Keynote presentation, Universidad Peruana Cayetano Heredia 50<sup>th</sup> Anniversary Celebration, Lima, Peru. 2011
  26. Oral presentation, Canadian Conference on International Health, Ottawa, Ontario. 2010
  27. Oral presentation, Consortium of Universities for Global Health Annual Meeting, Seattle. 2010
  28. Oral presentation, Canadian Anesthesiologists' Society Annual Meeting, Montreal. 2010
  29. Oral presentation, Politics of Health Information. Concordia University, Montreal 2010
  30. Oral presentation, Symposium on Good Practices in Global Health Research, Global Health Research Network, Montreal, Quebec. 2010.
  31. Keynote presentation, Center for AIDS Research, University of Alabama, Birmingham. 2009.

32. Oral Presentation, Epidemiology, Biostatistics & Occupational Health Seminar Series, McGill University, Montreal. 2009
33. Medical Grand Rounds, Tikur Anbessa Hospital, Addis Ababa, Ethiopia. 2009.
34. Oral Presentation, Canadian Conference on International Health, Ottawa, Ontario. 2009.
35. McGill University Bravo Program, Montreal, Quebec 2009
36. Rapporteur, World Health Organization Information and Communication Technologies Tools for Public Health Technical Meeting, Geneva, Switzerland. 2009
37. Oral presentation, Seattle Chamber of Congress visiting delegation, Montreal, Quebec. 2009.
38. Oral presentation, Global Health Education Consortium Annual Meeting Symposium, Seattle, Washington. 2009.
39. Oral presentation, Global Health Education Consortium Pre-congress Symposium, Sacramento, California. 2008.
40. Keynote presentation, McGill University Health Centre Foundation, Montreal, Quebec. 2008.
41. Keynote presentation, Association of Medical Microbiology and Infectious Diseases Canada-Trainee's Day, Vancouver, British Columbia. 2008.
42. Medical Grand Rounds, McGill University Health Centre, Montreal, Quebec. 2007.
43. Harvard School of Public Health Department of Immunology and Infectious Diseases. 2007.
44. Medical Grand Rounds, Jewish General Hospital, Montreal, Quebec. 2007.
45. Oral Presentation, European Centre for Disease Prevention and Control Consultation with Members States on Epidemic Intelligence, Stockholm, Sweden. 2006.
46. Oral Presentation, Alexander von Humboldt Institute of Tropical Medicine, Lima, Peru. 2006.
47. Hospital Grand Rounds, Lima, Peru. 2005
48. McGill International Health Lecture Series, Montreal, Canada. 2005.
49. Keynote presentation, Intercity Infectious Disease Rounds, Tulane and Louisiana State University (LSU) Divisions of Infectious Diseases, New Orleans, LA. 2004
50. Keynote presentation, AIDS Clinical Trial Unit Rounds, Tulane and LSU Medical Schools, New Orleans, LA. 2004
51. Keynote presentation, New Orleans Tuberculosis Consortium, New Orleans, LA. 2004.

52. Ottawa General Hospital Infectious Diseases Rounds, Ottawa, Canada. 2004.
53. Oral presentation, World Health Organization Consensus Meeting on BCG Vaccines, London, UK. 2003.
54. Oral Presentation, Disease Modeling and Prediction Workshop, National Science Foundation, McLean, VA. 2003.
55. Oral Presentation, 13<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases, Glasgow, United Kingdom. 2003.
56. Medical Grand Rounds, Mount Auburn Hospital, Cambridge, MA. 2003.
57. Oral presentation, Northeast TB Controllers Meeting, Nantucket, MA. 2002.
58. Oral presentation, Boston Medical Center, Boston, MA. 2001.
59. Oral presentation, 12<sup>th</sup> Mediterranean Congress of Chemotherapy, Marrakesh, Morocco. 2000.
60. Oral presentation, Public Health Laboratory Service, London, United Kingdom. 2000.
61. Keynote address, International Colloquium: Tuberculosis, the Real Millennium Bug, Antwerp, Belgium. 1999.
62. Oral presentation, 2<sup>nd</sup> Kenyan National Workshop on the Surveillance and Monitoring of Antimicrobial Resistance. 1999.
63. Oral presentation, Annual Meeting North American Region, International Union Against Tuberculosis and Lung Disease. 1998.
64. Oral presentation, Community-Based Approaches to The Treatment and Control of Multidrug-Resistant Tuberculosis Meeting, Cambridge, MA. 1998.
65. Oral presentation, Food and Drug Administration Vaccines and Related Biological Products Advisory Committee, Bethesda, Maryland. 1996.
66. Oral presentation, Evaluation of Tuberculosis Control Policies, Centers for Disease Control and Prevention, Atlanta, Georgia. 1996.
67. Oral presentation, Western Pacific Congress on Chemotherapy and Infectious Diseases, Singapore. 1996.
68. Oral presentation, International Conference on Bacillus Calmette-Guerin, Toronto, Canada. 1994.
69. Oral presentation, Food and Drug Administration Vaccines and Related Biological Products Advisory Committee, Bethesda, Maryland. 1993.



### Part III: Bibliography

#### Research Papers (Peer Reviewed)

1. Stier CT Jr., Werber JL, **Brewer TF**, et al. Peripheral versus brain-serotonin and water metabolism in spontaneously hypertensive rats. *Clinical Research* 1985;33:A555.
2. Stier CT Jr., **Brewer TF**, Dick LB, et al. Enhanced formation of dopamine by isolated kidneys of spontaneously hypertensive rats. *Clinical Research* 1985;33:A369.
3. Stier CT Jr., **Brewer TF**, Dick LB, Wynn N, Itskovitz HD. Formation of biogenic amines by isolated kidneys of spontaneously hypertensive rats. *Life Sciences* 1986;38:7-14.
4. Itskovitz HD, Werber JL, Sheridan AM, **Brewer TF**, Stier CT. 5-Hydroxytryptophan and carbidopa in spontaneously hypertensive rats. *Journal of Hypertension* 1989;7:311-315.
5. Heymann SJ, **Brewer TF**, Fineberg HV, Wilson ME. How safe is safe enough? New infections and the U.S. blood supply. *Ann Intern Med* 1992;117:612-614.
6. Heymann SJ, **Brewer TF**. The problem of transfusion associated AIDS in Africa: A quantitative approach. *Am J Infect Control* 1992;20:256-262.
7. **Brewer TF**, Wilson ME, Gonzales E, Felsenstein D. Bacon therapy and furuncular myiasis. *JAMA* 1993;270:2087-2088.
8. Heymann SJ, **Brewer TF**. The infectious risks of transfusions in the United States: A decision analytic approach. *Am J Infect Control* 1993;21:174-182.
9. Colditz GA, **Brewer TF**, Berkey CS, Wilson ME, Burdick E, Fineberg HV, Mosteller F. Efficacy of BCG vaccine in the prevention of tuberculosis: Meta-analysis of the published literature. *JAMA* 1994;271:698-702.
10. **Brewer TF**, Colditz GA. Relationship between Bacille Calmette-Guerin (BCG) strains and the efficacy of BCG vaccine in the prevention of tuberculosis. *Clin Infect Dis* 1995;20:126-135.
11. **Brewer TF**, Colditz GA. Bacille Calmette-Guerin vaccination for the prevention of tuberculosis in health care workers. *Clin Infect Dis* 1995;20:136-142.
12. Colditz GA, Berkey CS, Mosteller F, **Brewer TF**, Wilson ME, Burdick E, Fineberg HV. The efficacy of Bacillus Calmette-Guerin vaccination of newborns and infants in the prevention of tuberculosis: meta-analyses of the published literature. *Pediatrics* 1995;96:29-35.
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14. Heymann SJ, **Brewer TF**, Ettling M. An effectiveness and cost analysis of rapid and conventional laboratory methods for *Mycobacterium tuberculosis* screening. *Public Health*

Rep 1997;112:513-523.

15. **Brewer TF**, Heymann SJ, Ettlign M. An effectiveness and cost analysis of presumptive treatment for *Mycobacterium tuberculosis*. *Am J Infect Control* 1998;26:232-238.
16. Heymann SJ, Sell R, **Brewer TF**. The influence of program acceptability on the effectiveness of public health policy: A study of directly observed therapy for tuberculosis. *Am J Public Health* 1998;88:442-445.
17. **Brewer TF**. Preventing Tuberculosis with Bacillus Calmette-Guerin Vaccine: A Meta-Analysis of the Literature. *Clin Inf Dis* 2000;31:S64-S67.
18. **Brewer TF**, Heymann SJ, Krumplitsch SM, Wilson ME, Colditz GA, Fineberg HV. Strategies to decrease tuberculosis in U.S. homeless populations: a computer simulation model. *JAMA* 2001;286:834-842.
19. Izadnegahdar R, Correia S, Ohata B, Kittler A, ter Kuile S, Vaillancourt S, Saba N, **Brewer TF**. Global Health in Canadian Medical Education: Current Practices and Opportunities. *Acad Med*. 2008;83:192-198.
20. Chan E, **Brewer TF**, Madoff LC, Pollack MP, Sonricker AL, Keller M, Freifeld CC, Blench M, Mawudeku A, Brownstein, JS. Global capacity for emerging infectious disease surveillance. *Proceedings of the National Academy of Sciences of the United States of America*. 2010;107:21701-21706.
21. Battat R, Seidman G, Chadi N, Chanda MY, Nehme J, Hulme J, Li A, Faridi N, **Brewer TF**. Global health competencies and approaches in medical education: a literature review. *BMC Medical Education*. 2010;10:94.
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- diagnostic tests: a meta-analysis. *Ann Intern Med* 2012;156:512-524.
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  33. Sia D, Onadja Y, Nandi A, Foro A, **Brewer T**. What lies behind gender inequalities in HIV/AIDS in sub-Saharan African countries: evidence from Kenya, Lesotho and Tanzania. *Health Policy and Planning* 2013; 29 (7): 938-949.
  34. Shah L, Choi HW, Berrang Ford L, Henostroza G, Krapp F, Zamudio C, Heymann SJ, Kaufman JS, Ciampi A, Seas C, Gotuzzo E, **Brewer TF**. Geographic Predictors of Primary Multidrug Resistant Tuberculosis Cases in an Endemic Area of Lima. *International Journal of Tuberculosis and Lung Diseases* 2014;18(11):1307-14.
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competency based continuing medical education course in Haiti through distance learning. BMC Med Educ. 2016 Oct 19;16(1):275.

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#### Research Papers (non-Peer Reviewed)

None

#### Book Chapters

1. **Brewer TF**, Wilson ME, Nardell EA. BCG Immunization: Review of past experience, current use and future prospects. In: Remington JS, Swartz MN, eds. Current Clinical Topics in Infectious Diseases. Boston: Blackwell Scientific Publications. 1995:253-270.
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#### Letters to the Editor

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10. **Brewer TF.** Extensively Drug Resistant Tuberculosis [comment]. JAMA 2007;298:1861.

#### Reviews

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