**Timothy Henry Holtz**

**CAPT, US Public Health Service**

PHS #66785 (Medical)

Updated: December 9, 2016

SUMMARY PAGE FOR CURRICULUM VITAE

**Performance**

1. Annual consistent and exceptional ratings on all COER elements since joining the USPHS CC.
2. Recipient of Outstanding Service Medal, two Achievement Medals, Global Health Campaign Medal, Ebola Campaign Medal, Presidential Unit Citation, six Outstanding Unit Citations, one Unit Commendation, twelve Foreign Duty Service Awards, two Crisis Response Service Awards, Isolated Hardship Award, Hardship Duty Award, and the Field Medical Readiness Badge.
3. Recipient of Surgeon General’s Citation, CDC James H. Nakano Citation for Outstanding Scientific Publication, HHS Secretary’s Award for Distinguished Service, CDC Outstanding Field Investigation/Outbreak Response Team Award, CDC Customer Service Award for Katrina Helpdesk Group, and twice finalist for CDC individual Shepard Science Award (public health, and prevention cat).
4. Director for CDC HIV/STD Research Program in Bangkok, Thailand, 2009-present.
5. Leading global expert on multidrug-resistant tuberculosis (MDR TB), and co-originator of newly identified extensively drug-resistant tuberculosis (XDR TB) in the U.S. and internationally.
6. Elected Fellow to American College of Physicians (2003) and to American College of Preventive Medicine (2015); recipient of Mid-career APHA Achievement Award.
7. Author of 3 book/editions, author/coauthor of 52 peer-reviewed publications, 24 chapters, & 9 MMWRs.
8. Service as Adjunct Associate Professor of Global Health at Emory University Rollins School of Public Health and at Emory School of Medicine, TB course co-organizer, initiated 2 other courses at Emory.

**Education, Training, and Professional Development**

1. B.A. *magna cum laude* from St. Olaf College (Phi Beta Kappa), M.D. from University of Iowa College of Medicine, M.P.H. from Johns Hopkins School of Hygiene and Public Health.
2. ABIM certification and recertification in Internal Medicine (commenced 1996, expires 12/2016).
3. ABPM certification and recertification in General Preventive Medicine (General, expires 1/2023).
4. Completed advanced public health training in CDC’s Epidemic Intelligence Service (EIS) 1999-2001.
5. Active Georgia State medical license (expires 6/2017).
6. Completed more than 60 hours of Category I CME credits per year since joining USPHS in 1999.
7. Completed PHS BOTC, IOTC (+CCTR), and all OFRD/CCRF core plus some optional training modules.
8. Fellowship completion and extensive training in public health ethics and human rights at Columbia University College of Physicians and Surgeons, 1994-1995.

**Career Progression and Potential**

1. Consistent progression in responsibility during 16 years in USPHS, from trainee to senior medical officer in current 0-6 billet, now director of Division of HIV/AIDS Prevention research program, CDC Thailand
   1. Principally responsible for $7.4 million budget and 3 clinical trials with total N > 2700
   2. Direct supervisor of 3 full-time CDC staff, indirect supervision of 51 local Thai staff
2. Created and led implementation of public health projects in sub-Saharan Africa, Eastern Europe, and former Soviet Union to contribute to PHS mission of eliminating TB, as well as controlling HIV-associated TB through the President’s Emergency Plan for AIDS Relief.
3. Represent USG at high-profile international events, including consultations and committees for WHO
4. Three geographic moves – Atlanta, Georgia to New York City, currently stationed in Bangkok Thailand
5. Career has included direct patient care, conducting outbreak investigations (malaria, *Angiostrongylus*), participating in emergency response (WTC), lead investigator in case of bioterrorism (anthrax, 2001), deploying for USPHS emergency response (Katrina/Rita 2005, Haiti cholera 2011, Ebola virus 2015), developing policies, conducting field epidemiologic research, currently a CDC field program director

**Characteristics of Career Officer and Service to Corps**

1. Assimilation into Regular Corps (2011); Permanent promotion to 0-6 approved in 2012.
2. CCRF Deployable, OFRD Basic Level readiness qualified from 2004-2016, deployed for Katrina/Ebola.
3. History of volunteerism for public events, USO staffing, PHS recruiting, member of music ensemble.
4. Promote visibility of PHS through presentations at high-level HHS/NIH briefings, international trainings.

**CAPT Timothy H. Holtz, M.D., M.P.H., FACP, FACPM**

Medical Officer PHS #66785

Home: E-9/25, Vasant Vihar, First Floor, New Delhi 110 057 INDIA

E-mail: [tholtz@cdc.gov](mailto:tholtz@cdc.gov); Phone +1-617-264-0964

### **LEADERSHIP PROFILE**

### Proven track record of strategically accomplishing program goals toward achievement of organizational vision, strong ability to reach project objectives and complete mission.

### Core competencies include: Health diplomacy, Leading innovation, Critical thinking, Solving complex problems, Developing teams with champions, Engaging stakeholders, Effective communicator, Accomplished public speaker

### **EDUCATION**

1991 M.D., University of Iowa College of Medicine, Iowa City, Iowa

1990 M.P.H., International Health, Johns Hopkins School of Hygiene and Public Health, Baltimore, Maryland

1986 B.A., *magna cum laude*, Chemistry, St. Olaf College, Northfield, Minnesota

### **PROFESSIONAL TRAINING**

2001-2002 Preventive Medicine Fellowship, Centers for Disease Control and Prevention

Assigned to New York City Department of Health, New York, New York

1999-2001 Epidemic Intelligence Service Officer, Malaria Branch, Division of Parasitic Diseases, CDC

1994-1995 Clinical Fellow in Human Rights & Medicine, Center for the Study of Society and Medicine, Columbia University College of Physicians and Surgeons

1991-1994 Internal Medicine Internship and Residency (Primary care)

Cambridge Hospital, Harvard University, Cambridge, Massachusetts

### **PROFESSIONAL LICENSURE AND CERTIFICATION**

1999- Georgia Medical License #48427 (expires 6/30/2017) – State Board of Georgia

2002- New York Medical License (expired 5/31/07) - New York State Medical Board

1999-2003 Advanced Trauma Life Support – American College of Surgeons

1999- Basic Life Support certification (expires November 2016)

1995- Federal Drug Enforcement Administration registration

1994-2003 Massachusetts Medical License #79528

**PROFESSIONAL CONTRIBUTIONS AND SERVICE TO THE CORPS**

2011 – present Current President, past Treasurer, Commissioned Officers Association – Asia

2005 – present Intermediate Officer Training Course, Basic Officer Training Course

Member, CCRF, deployable

### **COMMISSIONED CORPS READINESS FORCE**

2003-2012 Basic Roster Qualified, Deployable

Modules passed: CCRF Overview, PHS History, Disaster Response, NDMS, DMAT, DMORT, Personal Preparedness, Preventive Medicine in Field, Health Consequences, Disaster Triage, Critical Incident Stress Management, ID management, Terrorism, Bioterrorism, Safety Awareness

### **SPECIALTY BOARD CERTIFICATION**

2003 American Board of Preventive Medicine (expires 1/1/2023)

1996 Diplomat, American Board of Internal Medicine (expires 12/2016)

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**US PUBLIC HEALTH SERVICE WORK EXPERIENCE**

**Summary of billet changes:**

Call to duty on 6/28/99 at Rank 0-4, Deactivation on 6/30/02

Reactivation effective on 9/9/02 at Rank P0-4, **0-5 billet**

Temporary Promotion on 10/1/04 to Rank T0-5

Permanent Promotion on 9/13/06 to P0-5

Personnel order effective on 11/29/07, **0-6 billet**

Temporary Promotion on 10/1/08 to Rank T0-6

Permanent Promotion on 10/1/10 to Rank P0-6, approved in 2012

06/16-present Program Director, Division of Global HIV and TB

U.S. Centers for Disease Control and Prevention/ India

Medical Officer IV, Overseas Management Branch, Division of Global HIV and TB, CDC

**Major duties:**

* Director of the Division of Global HIV and TB in New Delhi, India; overseeing $11.4 million budget and staff of 15.

10/09-06/16 Program Director, HIV/STD Research Program

& Acting Director (2012-2014), HIV Behavioral Research Section and HIV Clinical Research Section

Thailand Ministry of Public Health – U.S. CDC Collaboration

Ministry of Public Health, DDC 7 Building, Soi 4, Nonthaburi 11000 Thailand

Medical Officer IV, Epidemiology Branch, Division of HIV Prevention, CDC

**Major duties:**

* Director of the HIV/STD Research Program at the Thailand MOPH – US CDC Collaboration (TUC) in Bangkok; overseeing $7.4 million budget and conduct of 5 clinical trials total N > 2500.
* Direct supervisor of 3 full-time CDC FTE staff, indirect supervision of 51 local Thai staff.
* Experienced leadership, strategic direction, and technical expertise to the Thailand MOPH, non-governmental organizations, universities, medical institutions and other participating agencies on HIV prevention research.
* Clinical Research Site Investigator of Record (SIoR) for NIH/DAIDS Site #31681 for the conduct of complex HIV/AIDS and STD prevention clinical studies (including randomized controlled clinical trials) such as pre-exposure prophylaxis trials, microbicide trials, and epidemiologic, socio-behavioral, and lab research.
* Principal advisor to the co-Directors of TUC and other senior staff on scientific and public health matters related to HIV and STD research.
* Develop briefing and decision documents for U.S. Embassy Front Office and Ambassador.
* Develop briefing documents for US Embassy Public Relations Office for high visibility events with the embassy, for numerous print and on-line media coverage events.
* Represent TUC at US Embassy country team meetings when required, as well as with U.S. Embassy Health Working Group.

Program specific:

* Improve infrastructure to implement prevention trials in key populations; create and maintain scientific, clinical, laboratory and information technology infrastructure, implement measures to ensure compliance with human subjects regulations, develop community support and engagement, develop the capacity to recruit and enroll study volunteers and maintain follow up for an extended period of time.
* Ensure that studies are conducted in compliance with Good Clinical Practice (GCP) standards and abide by all US FDA regulations, supervise and ensure maintaining CDC and local IRB approvals for study protocols, be responsible for all site funding associated with the studies and manage all appropriate employment, contracts, procurements, and services necessary for the conduct of clinical trials at the CDC/NCHHSTP site in Bangkok, Thailand**.**
* Supervise infrastructure and administrative budget, including compensation, travel, transportation, utilities, printing and reproduction supplies, materials, and equipment, supervise obligations that are processed through a cable each quarter.
* Provide input for budget plans and documents in support of major HIV prevention public health research projects spanning multiple years.
* Provide guidance in epidemiology practices by supervising the development of protocols, the analysis of study data through statistical methods, and the dissemination of study results through scientific journals, periodic reports, and public presentations.
* Direct a clinical service providing monitoring of communicable diseases such as HIV/STDs.
* Responsible for review and clearance of manuscripts, conference abstracts, and presentations; tracking of scientific manuscripts from conceptualization to publication; and preparing reports on the Program’s scientific activities, publications, and accomplishments.
* Manage personnel management activities for a staff of 55 persons.
* Mobilize to investigate public health threats, nationally and internationally, respond to public health threats (cholera, Haiti, 2011)

**Major Accomplishments:**

* Created and instituted the first Cooperative Agreement (Research) between the HIV/STD Research Program and the Thailand Ministry of Public Health-Department of Disease Control in 2012, now in fourth fiscal year in FY14, out of five.
* Coordinated the work of a diverse, multi-disciplinary staff; reorganized and consolidated HIV/STD Research Program research sections from two sections into one, oversaw job description help sheet and position description process, official for four CDC direct hires.
* Directed researchers, professional and administrative staff in major aspects of a health science project, specifically two independent clinical trials.
* Co-investigator of a five-year R01 award to Johns Hopkins University (principal) partnership with CDC, Mahidol University, and Ministry of Public Health, on combination HIV prevention interventions including pre-exposure prophylaxis to high risk men who have sex with men who sell and trade sex.
* HPTN-083 Site Investigator of Record and Site Leader – Phase 2b/3 Double Blind Safety and Efficacy Study of Quarterly Injectable Cabotegravir Compared to Daily Oral Tenofovir Disoproxil Fumarate/Emtricitabine, For Pre-Exposure Prophylaxis in HIV-Uninfected Men and Transgender Women who have Sex with Men.
* HPTN-067 Site Investigator of Record and Site Leader – Phase 2, Randomized, Open-label, Pharmacokinetic and Behavioral Study of the Use of Intermittent Oral emtricitabine/tenofovir disoproxil fumarate Pre-exposure Prophylaxis (PrEP); located at DAIDS Site #31681 (Silom Community Clinic/Bangkok Christian Hospital); Implemented and completed this Phase II HIV prevention PrEP clinical trial (CDC IRB#6156, NIH DAIDS IND#71,859).
* MTN-017 Site investigator of Record and Site Leader – Phase 2, Randomized Sequence Open Label Expanded Safety and Acceptability Study of Oral Emtricitabine/Tenofovir Disoproxil Fumarate Tablet and Rectally-Applied Tenofovir Reduced-Glycerin 1% Gel.
* Organized and wrote the Thailand Clinical Research Site application for the Emory-CDC (EmC2) Clinical Trial Unit (CTU) application that was successfully awarded by the NIH Division of AIDS in January 2014, assigned to the HIV Prevention Trials Network.
* Directed strategic scientific plans for a public health research projects in HIV prevention, member of HPTN MSM Science Working Committee.
* Program supervisor leading clinical site approval during NIH DAIDS designation as Clinical Research Site #31681, as well as re-approval after physical move of CRS in November 2013.
* Developed scientific publications in tier one journals, disseminated scientific information, and communicated medical findings at major conferences.
* While Program Director, also serving as Acting Behavioral Research Section Director from 2012-2014; and also has Acting Clinical Research Section Director from 2011-2012, and 2013-2014 while FTE positions were unfilled.
* Directed move of Clinical Research Site to new location within Hospital for Tropical Diseases, instituted new Memorandum of Understanding between Thai MOPH, Mahidol University, and CDC.
* Participated in strategic planning for the prevention and control of communicable and non-communicable diseases through Thailand MOPH – US CDC Collaboration.
* Created new program positions of local Thai Epidemiologist and Medical Officer, while remaining budget neutral.
* Served as Site Leader for high level visits: Secretary Sebelius, CDC Director Frieden, and NIH NIAID Director Fauci on HIV prevention research in Thailand, 2013-4.
* Nurtured health diplomacy skills through four years of work with the Thai MOPH, understanding of Thai cultural context and historical ties to Thai government, established and maintained working relationships with MOPH health officials.
* Good working relationship with the Ambassador and DCM (duty officer diplomacy skills were noted and commented on by DCM on multiple occasions), and Health Working Group.

9/02-9/09 Medical Officer IV, International Research and Program Branch

Division of Tuberculosis Elimination, Centers for Disease Control and Prevention

1600 Clifton Road MS E-10, Atlanta, Georgia

**Major duties:**

* Team Leader, Epidemiology/Program Evaluation Team, 2007-2009, supervised 4 FTEs with responsibility for operational research, program evaluation, and consultation to international guidelines and research priorities.
* Project Officer for CDC international tuberculosis activities in Latvia, Estonia, Lithuania.
* Project Officer for CDC international TB/HIV activities in South Africa, Mozambique, and Lesotho.
* Global MDR TB expert and CDC representative to the STOP TB Green Light Committee (GLC, 2006-9) to increase access to second-line drugs for the treatment of MDR TB.
* Project Officer for $385,000 Interagency Agreement between USAID and CDC Division of TB Elimination for the measurement of drug-resistant TB in countries of the FSU.
* Designed, executed, and analyzed studies that evaluated international TB control programs; Organized studies that evaluated the impact of HIV on the epidemiology of TB control in the Baltics, South Africa, Lesotho, and Mozambique.
* Conducted operational research (OR), and provided technical assistance for national TB programs to improve national capacity to conduct operational research.
* Consultant to World Health Organization on TB and MDR TB epidemiology, and international MDR TB guidelines and national studies to determine the prevalence of TB.
* Supervised five Epidemic Intelligence Service officers in the International Research and Programs Branch, Division of TB Elimination, CDC.

**Major Accomplishments:**

* Conducted evaluation studies to determine effectiveness of public health programs through improving surveillance, program evaluation, and operations research capacity of national TB programs in the Baltic States, especially concerning TB/HIV, multidrug-resistant tuberculosis (MDR TB), and extensively drug resistant tuberculosis (XDR TB); co-lead investigator of studies on drug-resistant TB that led to the identification of XDR TB globally and in US.
* Evaluated a public health programs targeting the prevention and control of MDR TB, using one of the first five treatment cohorts in the world (Latvia), with presentation of data at international conferences and WHO, publication of treatment management in tier one journals (*Lancet, Annals of Internal Medicine*).
* Reviewed data collection methods of communicable disease surveillance systems to ensure proper implementation of MDR TB and XDR TB programs in Baltic States
* Improved the quality of an international drug-resistant TB surveillance system, evaluation of reasons for treatment default, and improved TB/HIV operations research (OR) capacity of South African National TB Program.
* Briefed the President’s Advisory Council on AIDS, and Director of NAIAD at NIH on origin and basis for XDR TB epidemiology, and current CDC recommendations for control.
* Lead technical representative to the STOP TB Green Light Committee (GLC) which has performed rapid scale-up of treatment of +7,500 MDR TB in patients in 2007 in Asia, Africa, Europe, and the Americas; more than 42,000 patients approved since 2000.
* Improved patient management in countries that contribute to the TB burden in the US foreign-born population, especially MDR TB.
* Successfully wrote applications for Lithuania and Mozambique and secured GLC approval for access to concessionary priced second-line drugs for hundreds of patients with MDR TB.
* Lead organizer of OR courses in Latvia (2004), Malawi (2005), and Ukraine (2007); national OR projects approved from these courses totaled 3, 6, and 5 countries respectively, aimed to improve the conduct of TB program in these 14 countries.
* Completed new 2007 guidelines on the conduct of TB prevalence surveys with WHO WPRO.
* Consultant to large, multi-country review of Thailand’s National TB Program, July 2007.
* Contributor to WHO 2011 Update of the Guidelines for the Programmatic Management of Drug-resistant TB, and WHO Companion Handbook.
* Supervisor of multiple PEPFAR projects being conducted in South Africa, Lesotho, Mozambique, on the diagnostic algorithm of smear-negative TB, enhanced diagnostic capacity for MDR TB in rural South Africa, HIV prevalence among pediatric TB patients in South Africa, rapid assessment of resistance to second-line drugs for MDR TB in Mozambique, and evaluation of TB diagnosis in Mozambique.
* Initiation of anti-TB drug-resistance surveys in Albania and Kyrgyzstan.
* Member of CDC XDR TB rapid response team to control a potential public health emergency.

2001-2002 Preventive Medicine Resident (CDC Assignee)

New York City Department of Health,

110 Worth St., New York, New York

**Major duties:**

* Promote improved management of public health programs, especially emergency response
* Evaluate effectiveness of public health programming
* Conduct epidemiologic investigations as needed

**Major Accomplishments:**

* Participant in primary public health response to World Trade Center disaster on morning of September 11, 2001, ensured respiratory protection to workers at Ground Zero, conducted surveillance for bioterrorist agents at emergency rooms and DMATs during the response.
* Member of Emergency Operations Center, appointed secretary of Emergency Operations Center by Associate Commissioner of Public Health, documentation of Department of Health response to public health emergency.
* Co-lead investigator of inhalational anthrax case and contacts in New York City, 2001.
* Member of contact investigation team for cutaneous anthrax cases in New York City.
* Presentations to CDC Office of Director on public health response to WTC disaster.
* Evaluation of hepatitis C treatment programs by Department of Public Health.

1999-2001 Epidemic Intelligence Service Officer, Malaria Epidemiology Branch

Division of Parasitic Diseases, National Center for Infectious Diseases

Centers for Disease Control and Prevention, Atlanta, GA

**Major duties:**

* Investigate outbreaks of infectious diseases, parasitic and other, in the US.
* Conduct international epidemiologic projects of priority to the Division of Parasitic Diseases, including extensive and frequent travel overseas.
* Respond to public health threats in a timely and effective manner.

**Major Accomplishments:**

* Epidemiologic investigation of probable transmission of mosquito-born malaria in continental US (southern Georgia, fall 1999).
* Produced surveillance summary of malaria in US, 1998-1999.
* Conducted an investigation of a resurgence of *P. vivax* malaria in South Korea (demilitarized zone, DMZ); determined the extent of the outbreak and wrote recommendations concerning appropriate control measures for the malarial zones in the DMZ.
* Conducted a household survey in Malawi regarding insecticide-treated bed net use, treatment seeking behavior of mothers with febrile children, use of antenatal care services by pregnant women, and the prevalence of anemia and malaria parasitemia in children under 5 years old; Results of work led to a new initiative of insecticide treated bed net distribution through network of antenatal clinics in Malawi.
* Evaluated missed opportunities for vaccination in western Kenya; Evaluated the interaction between measles vaccine, anemia, and malaria infection in western Kenya.
* Co-lead an investigation for an outbreak of a communicable disease in an international setting: eosinophilic meningitis caused by the rat lung worm, *Angiostrongylus cantonensis*, acquired in Jamaica, 2000; Assisted the Jamaican Ministry of Health in tracing back possible sources of infection, and assisting Ministry and University of West Indies in determining the extent of infection in Jamaica.
* Conducted a study of mental health among national and international humanitarian aid workers, as well as a separate study of human rights workers in Kosovo in 2000; Presented pertinent recommendations to non-profit organizations operating in the post-conflict zone of Kosovo regarding the mental health of their employees.
* Designed a drug-resistance study to determine the extent of drug-resistant *P. vivax* malaria in Guatemala, with potential to change CDC recommendations about prophylaxis to the region.
* Designed a study of microscopy services in Ouéme Department, Benin, 2000, to determine how microscopy affects case management of persons with fever, to assess the adequacy of supervision and equipment, to identify barriers to the provision of high quality laboratory diagnostic services, and to assess the sensitivity and specificity of microscopy for malaria by laboratory technicians; Findings incorporated by USAID, Africare, the Benin National Malaria Program, and the WHO Rollback Malaria Initiative staff in Porto Novo, Benin to improve services.
* Conducted drug efficacy study comparing sulfadoxine-pyrimethamine and erythromycin versus cotrimoxazole for the treatment of children under 5 with malaria and pneumonia in Blantyre, Malawi; Findings used to adapt Integrated Management of Childhood Illness guidelines in Malawi.

### **PROFESSIONAL POSITIONS**

2014-present Adjunct Associate Professor of Global Health, Hubert Dept of Global Health

Rollins School of Public Health, Emory University, Atlanta, Georgia

2001-2014 Adjunct Assistant Professor of Global Health, Hubert Dept of Global Health

Rollins School of Public Health, Emory University, Atlanta, Georgia

2002-2003 Adjunct Associate Clinical Medical Professor of Community Medicine

City University of New York Medical School, New York, New York

2000-present Clinical Assistant Professor of Family and Preventive Medicine

Emory University School of Medicine, Atlanta, Georgia

1997-1999 Assistant Clinical Professor of Family Medicine

Boston University School of Medicine, Boston, Massachusetts

### **PROFESSIONAL CLINICAL POSITIONS**

2004-2009 Tuberculosis Staff Physician

Fulton County Tuberculosis Clinic, Atlanta, GA

2004-2009 Adjunct Clinical Faculty, Division of Infectious Disease

Department of Medicine, Emory University School of Medicine

1999 Emergency Room Physician

Yukon Kuskokwim Health Corporation, Bethel, Alaska

1995- 1999 Primary Care Internist

Neponset Health Center, Dorchester, Massachusetts

1995 Primary Care Internist

Orchard Park Health Center/RoxComp Clinic, Roxbury, Massachusetts

1994-1995 Medical Officer

Tibetan Delek Hospital, Dharamsala, India

1993 Visiting Physician

Khayelitsha Day Hospital, University of Cape Town, South Africa

### **PROFESSIONAL RESEARCH POSITIONS**

2003-present Faculty, Institute of Human Rights, Emory University

1995-1999 Affiliated Scholar, Institute for Health and Social Justice, Cambridge, Massachusetts

1998-1999 Sub-Investigator, Community Research Initiatives, Boston, Massachusetts

**RESEARCH GRANTS**

R01-AI118505 7/1/2015 – 6/30/2020

NIH/NIAID $238,114 (current, indirect through CDCF)

Title: Combination HIV Preventive Interventions for Young Thai MSM (COPE4YMSM): Qualitative Assessment and Open-label Intervention with Community Engagement

The major goal of COPE4YMSM is to enlist mobilized community partners to conduct a non-randomized assessment of open-label daily oral tenofovir/emtricitabine (FTC/TDF) pre-exposure prophylaxis (PrEP) among young Thai MSM, with mobile phone-based SMS adherence support; impact will be evaluated in regards to the effectiveness and the cost-effectiveness of the intervention. CDC protocol #TBD.

A-TBD 10/1/2015 – 9/30/2016

NIH/NIAID $277,188 (current, direct)

Title: MTN-026/IPM 038: A Randomized, Double Blind, Placebo-Controlled, Phase 1 Safety and Pharmacokinetic Study of Dapivirine Gel (0.05%) Administered Rectally to HIV-1 Seronegative Adults

The major goal of MTN-026 – phase 1, multi-site, randomized (2:1), double-blind, placebo-controlled trial of dapivirine gel (0.05%) among HIV-uninfected men and women, is to evaluate the safety of dapivirine gel formulation when applied rectally. CDC protocol #TBD.

AMH-12006 8/19/2010 – 9/15/2012

NIH/NIMH $443,851 (current, direct)

Title: HPTN-067: Behavioral Aspects of PrEP Counseling for Intermittent Exposure

The major goal of HPTN-067 – a randomized, open-label, pharmacokinetic Phase II study – is to study the use of intermittent oral emtricitabine/tenofovir disoproxil fumarate pre-exposure prophylaxis among MSM and transgender women. CDC protocol #6156.

AAI-12043 7/1/2012 – 9/30/2015

NIH/NIAID $292,379 (current, direct)

Title: MTN-017: A Phase 2 Randomized Expanded Safety, Acceptability, and Pharmacokinetic Study of Rectally-Applied Reduced Glycerin Tenofovir 1% Gel and Oral Truvada®

The major goal for MTN-017 – a randomized, open label crossover expanded safety and acceptability study – is to study the use of emtricitabine/tenofovir disoproxil fumarate tablet and tenofovir reduced-glycerin 1% gel among MSM and transgender women practicing receptive anal intercourse. CDC protocol #6379.

CDC IRB #4614 2005 – 12/2015

CDC $1,400,000 (current, direct)

Title: The Bangkok men who have sex with men (MSM) Cohort Study (BMCS): Cohort study of HIV, STI and preventive interventions among MSM in Bangkok, Thailand.

The major goal of the BMCS is to create a preparatory cohort for biomedical HIV prevention studies. CDC protocol #4614.

**World Health Organization CONSULTANCIES**

2012 WHO/SEARO Expert Consultation on Developing a Regional Health Sector Training

Package for MSM and Transgender Persons, Thailand, 17-19 July

2010 WHO Guidelines for the Programmatic Management of Drug-resistant

TB, Geneva, Switzerland, 29-31 October

2009 WHO Green Light Committee mission to Kazakhstan, 2-9 May

2008 WHO Green Light Committee mission to Kyrgyzstan, 5-11 December

2008 WHO Green Light Committee mission to Cambodia, 2-16 August

2008 WHO Green Light Committee mission to Kyrgyzstan and Albania, 2-16 May

2008 WHO Guidelines for the Programmatic Management of Drug-resistant

TB, Geneva, Switzerland, 4-5 February

2007 WHO Guidelines for the Programmatic Management of Drug-resistant

TB, Las Palmas Gran Canaria, Spain, 26-27 October

2007 Western Pacific Regional Office, MDR TB Management, Phnom Penh, Cambodia,

10-12 July

2007 WHO Guidelines for the Programmatic Management of Drug-resistant

TB, Montreux, Switzerland, 18-19 April

2007 WHO TB Prevalence Survey Guidelines, WPRO meeting, Seoul, South Korea, 12-13

February

**TRAINING COURSES**

2014 High Threat Security Overseas (HTSOS), Advanced Security Overseas (ASOS), FSI

2014 Contracting Officer Representative, recertification in 2014

2014 Good Clinical Practice recertification, October

2012 Contracting Officer Representative, recertification in 2012

2012 Executive Leadership Skills, November 5-9

2011 Overseas Supervisors Training, Center for Global Health, December 12-16

2011 Good Clinical Practice Training and Certification, April 27-28

2010 Research Ethics Training, November 1-2, led by FHI

2010 Contracting Officer Representative Training, completed in 2010

2008 United Nations Advanced Security in the Field Training, November 26

2006 United Nations Basic Security in the Field Training, November 20

**CONFERENCE ABSTRACT REVIEWER**

2016 International AIDS Society, 23rd International AIDS Conference

2015 International AIDS Society, 22nd International AIDS Conference

2014 International AIDS Society, 21st International AIDS Conference

2013 International AIDS Society, 20th International AIDS Conference

2013 American College of Preventive Medicine, Prevention 2014

2012 American College of Preventive Medicine, Prevention 2013

2012 International AIDS Society, 19th International AIDS Conference

2010 International AIDS Society, 18th International AIDS Conference

**SCIENTIFIC PEER REVIEWER**

1999-present The Lancet; AIDS and Behavior; American Journal of Epidemiology; American Journal of Public Health; Clinical Infectious Disease; Culture, Medicine, and Psychiatry; Emerging Infectious Diseases; International Journal of Epidemiology; International Journal of Tuberculosis and Lung Disease; Journal of Health and Human Rights; Journal of AIDS; Journal of Nervous and Mental Disease; Public Health Reports; Public Library of Science; Transactions of the Royal Society of Tropical Medicine and Hygiene; Journal of Public Health Policy, Tropical Medicine and International Health, BioMed Central Infectious Diseases

2006 Editorial board, Journal of Conflict and Health

### **TEACHING and MENTORING**

2011-2012 Lecturer, IS 204: Ethics and Global Service (November session), St. Olaf College

2008-2009 Director, Seminar, Human Rights and the Physician, Emory School of Medicine

2006-2007 Lecturer, Strategies in Global Health, Rollins School of Public Health

2006-2009 Co-director, EPI542, Epidemiology of Tuberculosis, Rollins School of Public Health

### 2006-2009 Lecturer, GH508, Health and Human Rights, Rollins School of Public Health

2006-2008 Lecturer, MED Global health and human rights, Emory School of Medicine

2005-2009 Mentor and supervisor of 4 Epidemic Intelligence Service Officer (EIS) Fellows

2005-2007 Lecturer, Epidemiology in Action, International TB control, Rollins School of PH

2004-2007 Lecturer, GH511, International Infectious Disease, Rollins School of Public Health

2004-2005 Director, MEDI645, Social Medicine and the Physician, Emory School of Medicine

2001-2005 Co-director, IH508, Health and Human Rights, Rollins School of Public Health

2004 Thesis advisor, MPH student, Rollins School of Public Health

### **HOSPITAL APPOINTMENTS**

2000-2002 Medical Staff

Department of Medicine, Grady Memorial Hospital, Atlanta, Georgia

1996-1999 Medical Staff

Department of Medicine, Section of General Internal Medicine,

Boston Medical Center, Boston, Massachusetts

1996-1999 Medical Staff

Carney Hospital, Boston, Massachusetts

1996-1999 Assistant Physician

Harvard University Health Services, Cambridge, Massachusetts

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**COMMITTEE PARTICIPATION**

2015-present Chair, Southeast Asia FIC/NIH TB Research Training Grant

2014-2016 HIV Prevention Trial Network (HPTN) MSM Scientific Working Committee

2013-2014 Scientific Advisory Committee, JITMM, held in Bangkok, Nov 2014

2013 Stephen B. Thacker Science for Social Justice Award Workgroup

2012-2014 CDC Research Capacity Workgroup

2012-2014 CDC HIV Measures Workgroup

2011-2013 Scientific Advisory Committee, ICAAP, held in Bangkok, Nov 2013

2009-2011 WHO Technical Advisor to Revision of Treatment Guidelines for MDR TB

2009 CDC TB Epidemiologic Studies Consortium Research Subcommittee

2007-2009 CDC Global Goals Strategic Planning Committee

2007 WHO Update on Guidelines for the Programmatic Management of MDR TB

2007 WHO TB Prevalence Survey Guidelines, Western Pacific Regional Office

2007 Otsuka Pharmaceutical and Development Corporation Scientific Advisory Board

2007 Emerging Infectious Disease International Conference Planning Committee

2006-2009 Green Light Committee (Global MDR TB), STOP TB Partnership

2005-2007 Liberty Science Center – “Infection Connection” exhibit (won Amer Assoc Museums award)

2004-present Excellence in Science Committee, CDC

2003-2005 Task Force, ISTSS and Rand Corporation, Guidelines for Trauma Training of Primary Care Physicians

1995-1999 Neponset Health Patient Care Committee

Harbor Health Services, Dorchester, Massachusetts

1995-1999 HIV/AIDS Committee

Harbor Health Services, Dorchester, Massachusetts (Team Leader 1996-98)

### **PROFESSIONAL ORGANIZATIONS**

### 2014- American College of Preventive Medicine, Global Health Track Committee

### 2012- American College of Preventive Medicine, Global Health Committee

### 2007 Founding member, Forum on Trade and Health, American Public Health Association

2006-2009 PHS Music Ensemble, Atlanta group

2004 US Association of Military Surgeons

2002- American Board of Preventive Medicine

2000 US Public Health Service Commissioned Officers Association

1999 American Society for Tropical Medicine and Hygiene

1997 American College of Physicians/American Society of Internal Medicine

1996- American Board of Internal Medicine

1991 Phi Beta Kappa Honor Society

1989 American Public Health Association

1987 Physicians for Human Rights

**HONORS, AWARDS, COMMENDATIONS, SCHOLARSHIPS**

*US Public Health Service - Individual Awards:*

2015 Presidential Unit Citation (Ebola response)

2015 Ebola Campaign Medal (Ebola response)

2015 Global Health Campaign Medal (global HIV/AIDS)

2012 Outstanding Unit Citation (Haiti cholera response)

2011 Hazardous Duty Award

2010 Outstanding Unit Citation (H1N1 response)

2010 Isolated Hardship Award

2008 Outstanding Service Medal (MDR/XDR TB response and control)

2007 Commissioned Corps Training Ribbon

2007 Achievement Medal

2007 Outstanding Unit Citation (PEPFAR)

2007 Field Medical Readiness Badge

2007 Outstanding Unit Citation (Hurricane Katrina/Rita)

2006 Crisis Response Service Award

2004 Achievement Medal

2004 Unit Commendation Award

2002 Outstanding Unit Citation (9/11)

2002 Crisis Response Service Award

*US Public Health Service - Service Awards:*

2015 Presidential Unit Citation

2010 Foreign Duty Service Award

2010 Foreign Duty Service Award

2009 Foreign Duty Service Award

2008 Foreign Duty Service Award

2008 Foreign Duty Service Award

2007 Foreign Duty Service Award

2007 Foreign Duty Service Award

2007 Foreign Duty Service Award

2006 Foreign Duty Service Award

2005 Foreign Duty Service Award

2004 Foreign Duty Service Award

2000 Bicentennial Unit Commendation

2000 Foreign Duty Service Award

*Others:*

2015 Fellowship in the American College of Preventive Medicine

2014 Group Mission Time Off Award (Senate Delegation), US Embassy Bangkok

2014 NCHHSTP Director’s Recognition Award July 2014 – Clinical Trial Unit Team

2014 CDC Director’s Award for Innovation–Science/Program to the Clinical Trial Unit Team

2013 Group Franklin Award (HHS Visit), Center for Global Health, CDC

2011 Hardship and Difficult Circumstances Award, CDC Center for Global Health

2010 University of Iowa Distinguished Alumni Service Award

2008 Nominee, AMA Dr. Nathan J. Davis International Health Award

2007 Surgeon General’s Citation

2007 CDC James H. Nakano Citation for Outstanding Scientific Publication, 2006

2007 CDC NCHHSTP Outstanding Field Investigation/Outbreak Response Team

2007 Finalist, Shepard Science Award, NCHHSTP, CDC

2007 Secretary’s Award for Distinguished Service, Department of HHS

2006 CDC NCHHSTP Customer Service Award, CDC TB Katrina Helpdesk Group

2006 Finalist, Shepard Science Award, NCHSTP, CDC

2005 Mid-career Achievement Award, International Health Section, APHA

2003 Fellowship in the American College of Physicians

2002 Roger Fossum Award, New Hampshire Public Health Association

2002 Nominee, Paul Schnitker International Health Award, CDC

2001 Emergency Response Team Staff Award, Health and Mental Hygiene Awards, New York City Department of Health

2001 Nominee, Young Investigator Award, American Society for Tropical Medicine

1991 Barry Freeman Award in International Health, Univ of Iowa College of Medicine

1987 Barry Freeman Award in International Health, Univ of Iowa College of Medicine

1986 Phi Beta Kappa, St. Olaf College

**INVITED LECTURES**

Nov 2016 TB and DST Diagnostic Pipeline: What is Past Informs the Future, All-Russian Scientific Practical Conference on Innovative Technologies in Tuberculosis Control, RAMS, Moscow

Nov 2014 HIV Prevention – Overview and prospects for future, JITMM, Mahidol University

Feb 2013 St. Olaf College lecture –Social Inequalities and HIV in Asia, St. Olaf College, MN

Nov 2012 Around the World in Public Health: Careers that Matter, St. Olaf College, MN

Nov 2011 6,365 days of International Service: Careers in Public Health, St. Olaf College, MN

June 2010 Drug resistant TB and HIV: Lessons for SE Asia, Cambodia NGO partners meeting

Nov 2009 XDR TB and Involuntary Confinement in South Africa: Lessons and Options, New York University School of Public Health, New York, NY

Nov 2008 XDR TB and Involuntary Confinement: the Human Rights Approach to Health, Emory Global Health Studies, Atlanta, GA

May 2008 Global epidemiology of extensively drug-resistant TB, American Thoracic Society

April 2008 The Perfect Storm: XDR TB and HIV, Emory Vaccine Club, Atlanta, GA

March 2008 The Interaction of HIV and Drug-resistant TB, International Conference on Emerging Infectious Diseases, Atlanta, GA

March 2008 Global prevalence of TB and drug-resistant TB, International Career Alumni Panel, St. Olaf College

Nov 2007 Global epidemiology of drug-resistant TB, MDR TB/HIV course, IUATLD

June 2007 Epidemiology of XDR TB, Clinician Outreach and Communication Activity, CDC

June 2007 Global HIV and TB pandemics, Presidential Advisory Council on HIV/AIDS, US Dept of Health and Human Services, Washington, DC

April 2007 Global XDR TB response, NIAID/NIH, Bethesda, MD

April 2007 Clinical trial opportunities for MDR TB, Dr. Anthony Fauci briefing, Intramural and extramural presentations and discussion, NIAID/NIH, Bethesda, MD

April 2007 Perfect Storm: XDR TB and HIV, Global Health Conference, Stanford University

April 2007 Cuba and the response to HIV/AIDS, Emory School of Medicine

April 2007 Human Resources for TB, AMSA Global Health Scholars Program

March 2007 Poverty, HIV, and XDR TB; Emory School of Medicine

March 2007 Practical applications of health and human rights, Emory School of Medicine

March 2007 Transnational Corporations in the Niger River Delta, Emory School of Medicine

March 2007 Economic, Social, and Cultural Rights, Rollins School of Public Health

March 2007 The unfinished agenda: economic rights in the world, Berkeley School of PH

Feb 2007 Introduction to global communicable disease control: TB, Rollins School of PH

Nov 2006 Human Rights Epidemiology, AMSA Regional Conference, Boston, MA

Oct 2006 Epidemiology in Action: Global TB Control, Rollins School of Public Health

### **SPECIAL SKILLS**

### Clinical Research Training, 2010 – present

### Good Clinical Practice, Human Subjects Research Protection, Responsible Conduct,

### Biomedical Research Concentration

Contracting Officer Technical Representative (COR), 2010 - present

Federal Appropriations Law, Simplified Acquisitions, Market Research, Work Statements,

Contract Severability, Green Business, Risk Management, Managing Procurements

Languages

French – intermediate reading, writing, conversation (non-technical)

Haitian Creole – Basic conversational

Thai – Basic conversational, no reading or writing

Russian – Basic conversational, basic reading

Software

SAS, Epi-INFO, Word, Excel, Powerpoint

PADI Scuba certifications

Open water certification, 2013

Advanced open water certification, 2014

Rock Climbing certified base belay and top-rope

**PEER-REVIEWED PUBLICATIONS**

70. Cranston RD, Lama JR, Richardson BA, Carballo-Diéguez A, Kunjara Na Ayudhya RP, Jacobson CR, Marzinke M, Johnson S, Piper J, McGowan I, **MTN-017 Protocol Team**. MTN-017: Rectal Phase 2 Extended Safety and Acceptability Study of 1% Tenofovir Gel. Accepted by CID.

69. \*Lam C, \***Holtz TH**, Leelawiwat W, Mock PA, Chonwattana W, Wimonsate W, Varangrat A, Thienkrua W, Chitwarakorn A, Curlin M. Subtypes and risk behaviors among incident HIV cases in the Bangkok Men Who Have Sex with Men Cohort Study, 2006–2012. Accepted by AIDS Research and Human Retroviruses.

68. Mangal TD, **UNAIDS Working Group on CD4 Progression and Mortality Amongst HIV Seroconverters** including the CASCADE Collaboration in EuroCoord. Joint estimation of CD4 progression and survival in untreated individuals with HIV-1 infection: A pooled analysis of data from 25 countries. Accepted by AIDS.

67. Fox GJ, Benedetti A, Mitnick CD, Pai M, Menzies D, on behalf of the **Collaborative Group for Meta- Analysis of Individual Patient Data in MDR-TB**. Propensity score-based approaches to confounding by indication in individual patient data meta-analysis: Non-standardized treatment for Multidrug-resistant tuberculosis. PLoS One 11(3): e0151724. Doi:10.1371/journal.pone.0151724. PMID: 27022741

66. Fox GJ, Benedetti A, Cox H, Koh WJ, Viiklepp, Ahuja S, Pasvol G, Menzies D, on behalf of the **Collaborative Group for Meta-Analysis of Individual Patient Data in MDR TB**. Group of 5 drugs for multidrug-resistant tuberculosis: individual patient data meta-analysis. Eur Resp J 2017 Jan 3;49(1). PMID: 28049171

65. Martin M, Vanichseni S, Suntharasamai P,Sangkum U, Mock PA, Chaipung B, Worrajittanon D, Leethochawalit M, Chiamwongpaet S, Kittimunkong S, Gvetadze RJ, McNicholl JM, Paxton LA, Curlin ME, **Holtz TH**, Samandari T, Choopanya K.Factors associated with the uptake of and adherence to HIV pre-exposure prophylaxis in people who have injected drugs: an observational, open-label extension of the Bangkok Tenofovir Study. Lancet HIV online November 17, 2016, http://dx.doi.org/10.1016/S2352-3018(16)30207-7. PMID: 27866873

64. Mitnick CD, White RA, Lu C, Rodriguez CA, Andreev Y, Aung K, Bayona J, Becerra MC, Burgos M, Cohen T, Cox H, Danilovitz M, Falzon D, Gelmanova I, Grinsdale J, **Holtz TH**, Leimane V, Lu C, Menzies R, Migliori GB, Mishustin S, Pagano M, Quelapio M, Reikstina V, Shin S, Tolman A, van der Walt M, van Deun A on behalf of the **Collaborative Group for Analysis of Bacteriology Data in MDR-TB Treatment**. Multidrug-resistant tuberculosis treatment failure detection depends on monitoring interval and microbiological method. Eur Respir J 2016; 48: 1160–1170. DOI: 10.1183/13993003.00462-2016. PMID: 27587552

63. Thienkrua W, Todd CS, Chonwattana W, Wimonsate W, Chaikummao S, van Griensven F, Varangrat A, Chitwarakorn A, **Holtz TH**. Incidence of and temporal relationships between HIV, herpes simplex II virus, and syphilis among men who have sex with men in Bangkok, Thailand: an observational cohort. BMC Infectious Diseases 2016 16:340. Doi: 10.1186. PMID: 27449012

62. Fox GJ, Mitnick CD, Benedetti A, Chan ED, Becerra M, Chiang CY, Keshavjee S, Koh WJ, Shiraishi Y, Viiklepp P, Yim JJ, Pasvol G, Robert J, Shim TS, Shin SS, Menzies D; **Collaborative Group for Meta-Analysis of Individual Patient Data in MDR-TB**. Surgery as an adjunctive treatment for multidrug-resistant tuberculosis: An individual patient data meta-analysis. Clin Inf Dis 2016 62(7):887-895. PMID 26757804

61. Thienkrua W, Todd CS, Chaikummao S, Sukwicha W, Yafant S, Tippanont N, Varangrat A, Khlaimanee P, Sirivongrangson P, van Griensven F, **Holtz TH**. Lubricant Use Among Men Who Have Sex With Men Reporting Anal Intercourse in Bangkok, Thailand: Impact of HIV Status and Implications for Prevention. J Homosex. 2016 Apr;63(4):507-521. Epub 2015 Aug 31. PMID: 26322804

60. Pattanasin S, Wimonsate W, Chonwattana W, Tongtoyai J, Chaikummao S, Sriporn A, Sukwicha W, Mock PA, **Holtz TH**. Loss to follow-up and bias assessment among a cohort of Thai men who have sex with men in Bangkok, Thailand. Int J STD AIDS. 2016 Mar;27(3):196-206. doi: 10.1177/0956462415578954. PMID: 25792548

59. Chonwattana W, Raengsakulrach B, **Holtz TH**, Wasinrapee P, Tongtoyai J, Chaikummao S, Pattanasin S, McNicholl JM, van Griensven F, Curlin ME. Hepatitis B vaccination uptake and correlates of serologic response among HIV-infected and uninfected men who have sex with men (MSM) in Bangkok, Thailand. Vaccine. 2015 Dec 10. pii: S0264-410X(15)01765-X. doi: 10.1016/j.vaccine.2015.11.071. [Epub ahead of print] PMID: 26685092

58. Cranston RD, Althouse AD, van Griensven F, Janocko L, Curlin ME, Chaikummao S, Chonwattana W, Siegel A, **Holtz T**, McGowan I. Prevalence of Anal Human Papillomavirus Vaccine Types in the Bangkok Men Who Have Sex With Men Cohort Study.Sex Transm Dis. 2015 Dec;42(12):671-6. doi: 10.1097/OLQ.0000000000000372. PMID: 26562695

57. Garg S, Thongcharoen P, Prapasiri P, Chitwarakorn A, Sathirapanya P, Fernandez S, Rungrojcharoenkit K, Chonwattana W, Mock PA, Sukwicha W, Katz JM, Widdowson MA, Curlin ME, Gibbons RV, **Holtz TH**, Dawood FS, OlsenSJ. Randomized Controlled Trial to Compare Immunogenicity of Standard-Dose Intramuscular Versus Intradermal Trivalent Inactivated Influenza Vaccine in HIV-Infected Men Who Have Sex With Men in Bangkok, Thailand. Clin Infect Dis. 2016 Feb 1;62(3):383-91. doi: 10.1093/cid/civ884. Epub 2015 Oct 20. PMID: 26486702

56. Maama-Maime LB, Mareka M, Ershova J, Tlali T, Kao K, Phalatse M, Polansky L, Beres L, Letsie M, **Holtz TH**. Antituberculosis Drug Resistance Survey in Lesotho, 2008-2009: Lessons Learned. PLoS One 2015 Jul 24;10(7):e0133808. doi: 10.1371/journal.pone.0133808. eCollection 2015. PMID: 26207630

55. Tongtoyai J, Todd CS, Chonwattana W, Pattanasin S, Chaikummao S, Wasinrapee P, Varangrat A, Lokpichart S, **Holtz TH**, van Griensven F, Curlin ME. Prevalence and Correlates of *Chlamydia trachomatis* and *Neisseria gonorrhoeae* by Anatomic Site Among Urban Thai Men Who Have Sex With Men. Sex Trans Dis 2015 42(8):440-9. Doi: 10.1097/OLQ.0000000000000311. PMID 26165436

54. van Griensven F, **HoltzTH**, ThienkruaW, ChonwattanaW, WimonsateW, ChaikummaoS, SukwichaW, CurlinME, SamandariT, ChitwarakornA, Mock PA. Temporal trends in HIV-1 incidence and risk behaviours in men who have sex with men in Bangkok, Thailand, 2006-13: an observational study. Lancet HIV. 2015 Feb;2(2):e64-70. doi: 10.1016/S2352-3018(14)00031-9. Epub 2015 Jan 8. PMID: 26424462

53. **Holtz TH**, Pattanasin S, Chonwattana W, Tongtoyai J, Chaikummao S, Varangrat A, Mock PA. Longitudinal analysis of key HIV-risk behavior patterns and predictors in Thai men who have sex with men, Bangkok, Thailand. Archives of Sexual Behavior 2015;44(2):341-8. (DOI) 10.1007/s10508-014-0427-7. PMID: 25637308

52. GargS, OlsenSJ, FernandezS, MuangchanaC, RungrojcharoenkitK,PrapasiriP,KatzJM,Curlin M, GibbonsRV, **HoltzTH**, ChitwarakornA, Dawood FS.Seroincidence of Influenza Among HIV-infected and HIV-uninfected Men Who Have Sex with Men During the 2009 H1N1 Influenza Pandemic in Bangkok, Thailand. *Open Forum Infect Dis.* 2014 Oct 10;1(3):ofu082. doi: 10.1093/ofid/ofu082. eCollection 2014 Dec. PMID: 25734157

51. Bastos ML, Hussain H, Weyer K, Garcia-Garcia L, Leimane V, Leung CC, Narita M, Penã JM, Ponce-de-Leon A, Seung KJ, Shean K, Sifuentes-Osornio J, Van der Walt M, Van der Werf TS, Yew WW, Menzies D, and **Collaborative Group for Meta-Analysis of Individual Patient Data in MDR-TB.** [Treatment outcomes of patients with multidrug- and extensive drug-resistant tuberculosis according to drug susceptibility testing to first- and second-line drugs: an individual patient data meta-analysis.](http://www.ncbi.nlm.nih.gov/pubmed/25097082) *Clin Infect Dis* 2014 Aug 5. pii: ciu619. PMID: 25097082

50. Cassell MM, **Holtz TH**, Wolfe MI, Hahn M, Prybylski D. “Getting to zero” in Asia and the Pacific through more strategic use of antiretrovirals for HIV prevention. *J of Sexual Health* 2014;11(2):107-18. PMID: 24942266

49. Thienkrua W, Todd CS, Chaikummao S, Sukwicha W, Yafant S, Tippanont N, Varangrat A, Khlaimanee P, van Griensven F, **Holtz TH**. Prevalence and correlates of willingness to participate in a rectal microbicide trial among men who have sex with men (MSM) in Bangkok. *AIDS Care* 2014;26(11):1359-69. PMID: 24797186

48. McCarthy K, Guntapong R, Thattiyaphong A, Wangroongsarb P, Hall AJ, Varangrat A, Olsen SJ, **Holtz TH**. Outbreak of norovirus gastroenteritis infection, Thailand. *Southeast Asian Journal of Tropical Medicine and Hygiene* 2013;44(3):409-416. PMID: 24050072

47. Linkins R, McNicholl J, Chonwattana W, **Holtz TH**, Varangrat A, Mock P, van Griensven F. Hepatitis A and B prevalence and risk behaviors in men who have sex with men, Bangkok 2006-2008. *Journal of Medical Virology* 2013 Sep;85(9):1499-505. PMID: 23797893

46. Miller TL, Cirule A, Wilson F, **Holtz TH**, Riekstina V, Cain KP, Moonan PK, Leimane V. The value of effective public tuberculosis treatment: an analysis of opportunity costs associated with multidrug-resistant tuberculosis, Latvia. *Cost Effectiveness and Resource Allocation* 2013;11:9-14. PMID: 23594422

45. Ricks P, Mavhunga F, Modi SV, Indongo R, Zezai A, Lambert LA, DeLuca N, Krashin JS, Nakashima AK, **Holtz TH**. Risk factors for multidrug-resistant tuberculosis in Namibia. *BMC Infect Dis* 2012;12(1):385. PMID: 23273024

44. Migliori GB, Sotgiu G, Gandhi NR, Falzon D, DeRiemer K, Centis R, Hollm-Delgado MG, Palmero D, Pérez-Guzmán C, Vargas MH, D’Ambrosio L, Spanevello A, Bauer M, Chan ED, Schaaf HS, Keshavjee S, **Holtz TH**, Menzies D, and The Collaborative Group for Meta-Analysis of Individual Patient Data in MDR-TB. Drug resistance beyond XDR tuberculosis: individual patient data meta-analysis. *Eur Respir J* 2013;42(1):169-179. PMID: 23060633

43. Falzon D, Gandhi N, Migliori GB, Sotgiu G, Cox H, **Holtz TH**, Hollm-Delgado MG, Keshavjee S, DeRiemer K, Centis R, D’Ambrosio L, Lange C, Bauer M, Menzies D, and the Collaborative Group for Meta-Analysis of Individual Patient Data in MDR-TB. Resistance to fluoroquinolones and second-line injectable drugs: impact on multidrug-resistant tuberculosis outcomes. *Eur Respir J* 2013;42(1):156-168. PMID: 23100499

42. **Collaborative Group for Meta-analysis of Individual Patient Data in MDR-TB**. Multidrug-resistant tuberculosis treatment regimens and patient outcomes: an individual patient data (IPD) meta-analysis of 9153 patients. *PLoS Med. 2012;9(8):e1001300. PMID: 22952439*

41. **Holtz TH**, Thienkrua W, McNicholl J, Wimonsate W, Chaikummao S, Chonsattana W, Varangrat A, Mock P, van Griensven F. Prevalence of syphilis and HSV-2 in a cohort of men who have sex with men, Bangkok. *Int J STD AIDS* 2012;23:424-428. PMID: 22807537

40. Finlay A, Lancaster J, **Holtz TH**, Weyer K, Miranda A, van der Walt M. Patient- and provider-level risk factors associated with default from tuberculosis treatment, South Africa, 2002: a case-control study. *BMC Public Health* 2012;12:56. PMID: 22264339

39. Skenders G, **Holtz TH**, Riekstina V, Leimane V. Implementation of the INNO-LiPA Rif. TB® line-probe assay in rapid detection of multidrug-resistant tuberculosis in Latvia. *International Journal of Tuberculosis and Lung Disease* 2011;15(11):1546-1552. PMID: 22008771

38. Falzon D, Jaramillo E, Schunemann H, et al. 2011 World Health Organization MDR TB Guidelines Group. WHO guidelines for the programmatic management of drug-resistant tuberculosis: 2011 update. *European Respiratory Journal* 2011;38:516-528. PMID: 21828024

37. Bloss E, **Holtz TH**, Jereb J, Redd JT, Podewils L, Cheek JE, McCray E. Tuberculosis in indigenous peoples in the U.S., 2003-2008. *Public Health Rep* 2011;126(5):677-689. PMID: 21886328

36. **Holtz TH**, Kabera G, Mthiyane T, Zingoni T, Nadesan S, Ross D, Allen J, Chideya S, Sunpath H, Rustomjee R. Use of a WHO-recommended algorithm to reduce mortality in seriously ill patients with HIV infection and smear-negative pulmonary tuberculosis in South Africa: an observational cohort study. *Lancet Infectious Diseases*. 2011;11(7):533-540. PMID: 21514234

35. Leimane V, Dravniece G, Riekstina V, Sture I, Kammerer M, Chen M, Skenders G, **Holtz TH**. Treatment outcome of multidrug/extensively drug-resistant tuberculosis in Latvia, 2000-2004. *European Respiratory Journal* 2010;36:584-593. PMID: 20185428

34. Podewils LJ, **Holtz TH**, Riekstina V, Skripconoka V, Zarovska E, Kirvelaite G, Kreigere E, Leimane V. Impact of malnutrition on clinical presentation, clinical course, and mortality in MDR-TB patients. *Epidemiology and Infection* 2011;139:113-120. PMID: 20429966

33. Menzies HJ, Winston CA, **Holtz TH**, Cain KP, Mac Kenzie WR. Epidemiology of tuberculosis among US- and foreign-born children and adolescents in the United States, 1994-2007. *Am J Public Health* 2010;100(9):1724-1729. PMID: 20634457

32. Bloss E, Kukša L, **Holtz TH**, Riekstina V, Skripconoka E, Kammerer S, Leimane V. Adverse events related to multidrug-resistant tuberculosis treatment, Latvia, 2000-2004. *International Journal of Tuberculosis and Lung Disease* 2010;14(3): 275-281. PMID: 20132617

31. Dravniece G, Cain KP, **Holtz TH**, Riekstina V, Leimane V, Zaleskis R. Adjunctive resectional lung surgery for extensively drug-resistant tuberculosis. *European Respiratory Journal* 2009;34(1):180-183. PMID: 19567603

30. Lönnroth K, **Holtz TH**, Cobelens F, Chua J, van Leth F, Tupasi T, Williams B. Inclusion of information on risk factors, socioeconomic status, and health seeking in a tuberculosis prevalence survey. *International Journal of Tuberculosis and Lung Disease* 2009;13(2):171-176. PMID: 19146743

29. Shean KP, Willcox PA, Siwendu SN, Laserson KL, Gross L, Kammerer S, Wells CD, **Holtz TH**. Treatment outcome and follow-up of multidrug-resistant tuberculosis patients, West Coast/Winelands, South Africa, 1992-2002. *International Journal of Tuberculosis and Lung Disease*. 2008;12(10):1182-1189. PMID: 18812049

28. Glaziou P, van der Werf MJ, Onozaki I, Dye C, Borgdorff MW, Chiang CY, Cobelens F, Enarson DA, Gopi PG, **Holtz TH**, Kim SJ, van Leth F, Lew WJ, Lönnroth K, van Maaren P, Narayanan PR, Williams B. Tuberculosis prevalence surveys: rationale and cost. *International Journal of Tuberculosis and Lung Disease*. 2008;12(9):1003-1008. PMID: 18713496

27. Wells CD, Cegielski JP, Nelson L, Laserson KF, **Holtz TH**, Finlay A, Weyer K. HIV infection and multidrug-resistant tuberculosis–the perfect storm. *J Inf Dis* 2007;196:S86-107. PMID: 17624830

26. Riekstina V, Leimane V, **Holtz TH**, Leimans J, Wells C. Treatment outcome cohort analysis in an integrated DOTS and DOTS-Plus TB program in Latvia. *International Journal of Tuberculosis and Lung Disease* 2007;11(5):585-587. PMID: 17439686

25. **Holtz TH**. XDR TB in South Africa: revised definition. PLoS Medicine 2007;4(4):e161. doi:10.1371/journal.pmed.0040161. PMID: 17455996

24. **Holtz TH**, Holmes SM, Stonington S, Eisenberg L. Health is still social: contemporary examples in the age of the genome. *PLoS Medicine* 2006;3(10):e419. PMID: 17076555

23. Kazembe L, Kleinschmidt I, **Holtz TH**, Sharp B. Spatial analysis and mapping of malaria risk in Malawi using point-referenced prevalence of infection data. *International Journal of Health Geographics* 2006;5:41. PMID: 16987415

22. **Holtz TH**, Sternberg M, Kammerer S, Laserson K, Riekstina V, Zarovska E, Skripconoka V, Wells C, Leimane V. Time to sputum culture conversion in multidrug-resistant tuberculosis: predictors and relationship to treatment outcome. *Annals of Internal Medicine* 2006;144:650-659. PMID: 16670134

21. **Holtz TH**, Lancaster J, Laserson KF, Wells CD, Thorpe LE, Weyer K. Risk factors associated with default from multidrug-resistant tuberculosis treatment, South Africa, 1999-2001. *International Journal of Tuberculosis and Lung Disease*.2006;10(6):649-655. PMID: 16776452

20. Eisenman D, Weine S, Green B, de Jong J, Rayburn N, Ventevogel P, Keller A, Agani F, **Working Group Team Members**. The ISTSS/RAND guidelines on mental health training of primary healthcare providers for trauma-exposed populations in conflict-affected countries. *Journal of Traumatic Stress* 2006;19(1):5-17. PMID: 16568460

19. Mills EJ, Singh S, **Holtz TH**, Chase RM, Dolma S, Santa Barbara J, Orbinski JJ. Prevalence of mental disorders and torture among Tibetan refugees: A systematic review. *BMC International Health and Human Rights* 2005;5:7. PMID: 16280079

18. Desai M, **Holtz TH**, Helfand R, Terlouw DJ, Wannemuehler KA, Kariuki SK, Shi YP, Nahlen BL, ter Kuile FO. Relationship of measles vaccination with anemia and malaria in Western Kenya. *Tropical Medicine and International Health*. 2005;10(11):1099-1107. PMID: 16262734

17. Hamel MJ, **Holtz TH**, Mkandala C, Kaimila N, Chizani N, Bloland P, Kublin J, Kazembe P, Steketee R. Efficacy of trimethoprim-sulfamethoxazole compared with sulfadoxine-pyrimethamine plus erythromycin for the treatment of uncomplicated malaria in children with integrated management of childhood illness dual classifications of malaria and pneumonia. *American Journal of Tropical Medicine and Hygiene*.2005;73(3):609-615. PMID: 16172491

16. Skenders G, Fry A, Pokopovica I, Greckoseja S, Broka L, Metchock B, **Holtz TH**, Wells CD, Leimane V. Multidrug-resistant tuberculosis detection, Latvia. *Emerging Infectious Diseases* 2005;11(9):1461-1463. PMID: 16229783

15. Cardozo BL, **Holtz TH**, Kaiser R, Gotway CA, Ghitis F, Toomey E, Salama P. The mental health of expatriate and Kosovar Albanian humanitarian aid workers. *Disasters* 2005;29(2):152-170. PMID: 15910647

14. Leimane V, Riekstina V, **Holtz TH**, Zarovska E, Skripconoka E, Thorpe L, Laserson K, Wells C. Clinical outcomes of individualized treatment of multidrug-resistant tuberculosis in Latvia: a retrospective cohort study. *Lancet* 2005;365:318-326. PMID: 15664227

13. Laserson KF, Binkin NJ, Thorpe LE, Laing R, Iademarco MF, Bloom A, Agerton T, Nelson L, Cegielski JP, Ferroussier O, **Holtz TH**, et al. Capacity building for international tuberculosis control through operations research training. *International Journal of Tuberculosis and Lung Disease* 2005;9(2):145-150. PMID: 15732732

12. **Holtz TH**, Kachur SP, Roberts JM, Marum LH, Mkandala C, Chizani N, Macheso A, Parise ME. Use of antenatal care services and intermittent preventive treatment for malaria among pregnant women in Blantyre District, Malawi. *Tropical Medicine and International Health* 2004;9:77-82. PMID: 14728610

11. **Holtz TH**, Kachur SP, Marum LH, Mkandala C, Chizani N, Roberts JR, Macheso A, Parise ME. Care seeking behaviour and treatment of febrile illness in children under five years: a household survey in Blantyre District, Malawi. *Transactions of the Royal Society of Tropical Medicine* 2003;97: 491-497. PMID: 15307408

10. **Holtz TH**, Ackelsberg J, Kool J, Rosselli R, Marfin T, Matte T, Beatrice S, Heller M, Hewett D, Moskin L, Bunning M, Layton M. Isolated case of bioterrorism-related inhalational Anthrax - New York City 2001. *Emerging Infectious Diseases* 2003;9(6):689-696. PMID: 12781008

9. **Holtz TH**, Salama P, Lopes-Cardozo B, Gotway CA. Mental health status of human rights workers, Kosovo, June 2000. *Journal of Traumatic Stress* 2002;15(5):389-395. PMID: 12392226

8. **Holtz TH**, Marum L, Mkandala C, Chizani N, Roberts JR, Macheso A, Parise ME, Kachur SP. Insecticide-treated bed net use, anaemia, and malaria parasitemia in Blantyre District, Malawi. *Tropical Medicine and International Health* 2002;7:220-230. PMID: 11903984

7. Jernigan DB, Raghunathan PL, Bell BP, *et al.*, and the **National Anthrax Investigation Team**. Investigation of bioterrorism-related anthrax, United States, 2001: epidemiologic findings. *Emerging Infectious Diseases* 2002;8:1019-1028. PMID: 12396909

6. Slom T, Gerber S, Cortese M, Jones R, **Holtz TH**, Lopez A, Zambrano C, Sufit RL, Sakolvaree Y, Chaicumpa W, Herwaldt BL, Johnson S. An outbreak of eosinophilic meningitis caused by *Angiostrongylus cantonensis* in travelers returning from the Caribbean. *New England Journal of Medicine* 2002;346:668-675. PMID: 11870244

5. Lindo JF, Waugh C, Hall J, Myrie C, Ashley D, Eberhard ML, Sullivan JJ, Bishop HS, Robinson DG, **Holtz TH**, Robinson RD. Enzootic Angiostrongylus cantonensis in rats and snails after an outbreak of human eosinophilic meningitis, Jamaica. *Emerging Infectious Diseases* 2002;8(3):324-6. PMID: 11927033

4. MacArthur JR, **Holtz TH**, Jenkins J, Newell JP, Koehler JE, Parise ME, Kachur SP. Probable locally acquired mosquito-transmitted malaria in Georgia, 1999. *Clinical Infectious Diseases* 2001;32e:124-8. PMID: 11283820

3. **Holtz TH**. Refugee trauma vs. Torture trauma: a retrospective controlled cohort study of Tibetan refugees. *Journal of Nervous and Mental Disease* 1998;186:24-34. PMID: 9457144

2. **Holtz TH**, Wenzel RP. Postdischarge surveillance for nosocomial wound infection: a brief review and commentary. *American Journal of Infection Control* 1992;20:206-13. PMID: 1524269

1. **Holtz TH**, Nettleman MD. Emporiatrics: diarrhea in travelers. *Infection Control and Hospital Epidemiology* 1990;11:606-10. PMID: 2258602

**NON-PEER-REVIEWED PUBLICATIONS**

**Holtz TH**. Medical care and social justice in the jungles of Myanmar. Lancet 388:2345-2347.

Birn AE, Aguilera M, Brisbois B, **Holtz TH**. Why Addressing Climate Change Is Not Enough, Huffington Post Science Blog, December 25, 2015: <http://www.huffingtonpost.com/anneemanuelle-birn/why-addressing-climate-change-is-not-enough_b_8877748.html>

Birn AE, **Holtz TH,** Gassert T. Digging beneath the Chilean mine rescue. The Toronto Star, Opinion, October 17, 2010.

Beavers SF, **Holtz TH**, Garret DO. Hospital-based surveillance for DR-TB: necessary but not sufficient. *International Journal of Tuberculosis and Lung Disease* 2010;14(1):5 PMID: 20003688

**Holtz TH**, Cegielski JP. Origin of the term XDR-TB. European Respiratory Journal 2007;30(2):396. PMID: 17666564

Singh S, Arya N, Mills E, **Holtz TH**, Westberg G. Free doctors and medical students detained in Nepal. *Lancet* 2006;367:1730. PMID: 16731267

**Holtz TH**, Lancaster J, Laserson KF, Wells CD, Thorpe LE, Weyer K. Default from multidrug-resistant tuberculosis treatment, South Africa, 1999-2001. *TB Notes* 2005;1:26-29.

Holtz TH, Johnson WJ. A balanced view of globalization. BMJ Online Rapid Response, 1 October 2001. Available at: <http://bmj.bmjjournals.com/cgi/eletters/323/7311/504>.

**Holtz TH**. Labour rights are human rights. *Lancet* 1999;353:923.

**Holtz TH**. Refugees, torture, and resilience. *Torture* 1999;9(Suppl 1a):32-40.

Keller AS, Eisenberg DP, Saul JM, Kim GM, **Holtz TH**, Connell JM. Torture in Tibet. *Torture* 1999;9(Suppl 1a):41-46.

Draftees, Ad Hoc Committee to Defend Health Care. For our patients, not for profits: a call to action. *Journal of the American Medical Association* 1997;278:1733-1738.

**Holtz TH**. Exporting death: a new opium war. *Iowa Medicine* 1990;80:203-4. PMID: 2335468

**CDC PUBLICATIONS (Author/Co-author)**

Centers for Disease Control and Prevention. HIV and syphilis infection among men who have sex with men attending the Silom Community Clinic, Bangkok, Thailand, 2005 - 2011. *MMWR*. 2013 June 28;62(25):518-520. PMID: 23803960

Centers for Disease Control and Prevention. Revised definition of extensively drug-resistant tuberculosis. *MMWR*. 2006 Nov 3;55(43):1176.

Centers for Disease Control and Prevention. HIV counseling, testing, and care of tuberculosis patients at chest clinics, Guyana, 2005. *MMWR* 2006;55:849-851. PMID: 16902395

Centers for Disease Control and Prevention. Tuberculosis control activities after Hurricane Katrina – New Orleans, Louisiana, 2005. *MMWR* 2006;55:332-335. PMID: 16572101

Centers for Disease Control and Prevention. Emergence of *Mycobacterium tuberculosis* with extensive drug resistance (XDR TB) to second-line drugs – worldwide, 2000-2004. *MMWR* 2006;55:301-305. PMID: 16557213

Centers for Disease Control and Prevention. Infectious disease and dermatologic conditions in evacuees and rescue workers after Hurricane Katrina – Multiple states – August – September, 2005. *MMWR* 2005; 54:961-964. PMID: 16195696

Newman R, Barber AM, Roberts JM, **Holtz TH**, Steketee RW, Parise ME. Malaria Surveillance – United States, 1999. In: *CDC Surveillance Summaries*, March 29, 2002. *MMWR* 2002;51(No. SS-1):15-28. PMID: 12420905

**Holtz TH**, Kachur SP, MacArthur JR, Roberts JM, Barber AM, Steketee RW, Parise ME. Malaria Surveillance – United States, 1998. In: *CDC Surveillance Summaries*, December 7, 2001. *MMWR* 2001;50(No. SS-5):1-20. PMID: 11770906

Centers for Disease Control and Prevention. Probable locally acquired mosquito-transmitted *Plasmodium vivax* infection – Suffolk Country, New York, 1999. *MMWR* 2000; 49(22):495-498. PMID: 10881766

**PUBLICATIONS in process**

Grant RM, Mannheimer S, Hughes J, Amico KR, Hendrix CR, Dye BJ, Anderson PL, Ou SS, Elharrar V, Eshleman SH, Stirratt M, **Holtz TH**, and the Bangkok HPTN 067/ADAPT Study Team. HPTN 067/ADAPT Study: A comparison of daily and non-daily pre-exposure prophylaxis dosing in men who have sex with men, and transgender women. Submitted to journal.

Chemnasiri T, Beane CR, Varangrat A, Chaikummao S, Chitwarakorn A, van Griensven F, **Holtz TH**. Risk behaviors among young men who have sex with men in Bangkok: A qualitative study to understand and contextualize high HIV incidence. Submitted to J of Homosex.

Curlin ME, Gvetadze R, Leelawiwat W, Martin M, **Holtz TH**, Choopanya K, Niska RW, Owen SM, Rose CE, Pattanasin S, Samandari T, Tararut P, Tontoyai J, McNicholl JM. Analysis of false-negative HIV rapid tests performed in oral fluid in three international clinical research studies. Submitted to journal.

JanockoL, Cranston RD, Curlin ME, **Holtz TH**, Chitwarakorn A, Brand RM, McGowan E. A Comparative Assessment of Molecular Assays for the Detection of Anal HPV infection. Submitted to journal.

Pattanasin S,Dunne EF, Wasinrapee P, Tongtoyai J, Chonwattana W, Sriporn A, Luechai P, Mock PA, Chitwarakorn A, **Holtz TH**, Curlin ME. Screening for *Chlamydia trachomatis* and *Neisseria gonorrhea* infection among asymptomatic men who have sex with men in Bangkok, Thailand: Inclusion of the rectal specimen. Submitted to LGBT journal.

Carballo-DiéguezA, BalanIC, Brown W, Giguere R, Dolezal C, Leu CS, Marzinke MA, Hendrix CW, Piper JM, Richardson BA, Grossman C, Johnson S, Kunjara Na Ayudhya RP, Patterson K, Bekker LG, Chariyalertsak S, Gonzales P, **Holtz TH**, Liu A, Mayer KH, Zorrilla C, Lama J, McGowan I, Cranston RD, MTN-017 Protocol Team. High Levels of Adherence to a Rectal Microbicide Gel and to Oral Pre-Exposure Prophylaxis (PrEP) Achieved in MTN-017, submitted to journal.

Dunne EF, Chemnasiri T, Varangrat A, Pattanasin S, **Holtz TH**. Sex work in the City: Description of men who give or receive sex for money, drugs, or goods, Bangkok, Thailand. In preparation.

Thienkrua W, Wimonsate W, Mock PA, Sukwicha W, Chitwarakorn A, Ungsedhapand C, Pancharoen K, Raengsakulrach B, Howteerakul N, **Holtz TH**. High HIV incidence and inconsistent condom use with club drugs increased risk of acquiring HIV among young men who have sex with men from the Bangkok MSM Cohort Study, Thailand, 2006–2014. In clearance.

Leelawiwat W, Pattanasin S, Sriporn A, Wasinrapee P, Kongpechsatit O, Mueanpai F, Tongtoyai J, **Holtz TH**, van Griensven F, Curlin ME. Association between viral genotype, HIV viral load and disease progression in a cohort of Thai men who have sex with men with documented dates of HIV infection. In preparation. In clearance.

Mitchell KM, Dimitrov D, Hughes JP, Xia F, Donnell D, Bekker L-G, **Holtz TH**, Mannheimer S, Grant RM, Boily M-C. In What Circumstances Could Non-daily Pre-exposure Prophylaxis for HIV Substantially Reduce Program Costs (HPTN 067)? In preparation.

Piyaraj P, van Griensven F, **Holtz TH,** Nelson K. The impact of Internet use to recruit sex partners, and methamphetamine use on incident HIV infection among men who have sex with men, Bangkok, Thailand. In preparation. In preparation.

Pattanasin S, **Holtz TH**, Ungsedhapand C, Lertpruek S, Tongtoyai J, Chonwattana W, Sukwicha W, Sirivongrongson P, Mock PA, EF Dunne. Repeat symptomatic *Neisseria gonorrhea* infection among men who have sex with men in Bangkok, Thailand: Incidence, factors and repeat infections. In preparation.

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Weiss KM, Pattanasin S, Chitwarakorn A, Wimonsate W, Suksamosorn J, Visavakum P, Sukwicha W, Karuchit S, Ungsedhapand C, Dunne EF, **Holtz TH**. Spatial Characteristics of MSM and TGW Attending HIV VCT in Bangkok, Thailand, 2005–2015. In preparation.

Wimonsate W, Pattanasin S, Ungsedhapand C, Sriporn A, Luechai P, Hengprasert S, Pancharoen K, Tongtoyai J, **Holtz TH**. Factors associated with repeat HIV voluntary counseling and testing among HIV-negative men who have sex with men, Bangkok, Thailand 2005 – 2014. In preparation.

Carballo-DiéguezA, BalanIC, Brown W, Giguere R, Dolezal C, Leu CS, Marzinke MA, Hendrix CW, Piper JM, Richardson BA, Grossman C, Johnson S, Kunjara Na Ayudhya RP, Patterson K, Bekker LG, Chariyalertsak S, Gonzales P, **Holtz TH**, Liu A, Mayer KH, Zorrilla C, Lama J, McGowan I, Cranston RD, MTN-017 Protocol Team. Acceptability of a Rectal Microbicide Gel and to Oral Pre-Exposure Prophylaxis (PrEP) Achieved in MTN-017. In preparation.

Chemnasiri T, Varangrat A, Amico KR, Chitwarakorn A, Dye BJ, Grant RM, **Holtz TH**, and the HPTN 067/ADAPT Study Team. Facilitators and barriers affecting PrEP adherence among Thai men who have sex with men in the HPTN 067/ADAPT study, a qualitative analysis. In preparation.

**Holtz TH**, Wimonsate W, Mock PA, Pattanasin S, Chonwattana W, Thienkrua W, Sukwicha W, Curlin ME, Chitwarakorn A, Dunne EF. HIV-1 and syphilis incidence among MSM in VCT, Bangkok, Thailand, 2005-2015. CROI 2016 now in preparation.

**Holtz TH**, Chitwarakorn A, Hughes JP, Curlin ME, Varangrat A, Amico KR, Watanatanyaporn T, Li M, Mock PA, Grant RM. Predictors of coverage of sex events in daily and non-daily pre-exposure prophylaxis regimens among Thai MSM. In preparation.

Sriporn A, Wimonsate W, Luechai P, Hengprasert S, Satumay K, Tippanonth N, Tongtoyai J, Dunne EF, Chitwarakorn A, **Holtz TH**. Rate of ART initiation and time to ART initiation among HIV-infected participants in the Bangkok MSM Cohort Study, 2006–2014. In preparation.

Dunne ED, et al. 10 years of Silom Community Clinic prevalence. In preparation. CROI 2016.

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Beyrer C, Kamarulzaman A, Maier J, Seshadri SR, Salzberg S, **Holtz TH**, Byamugisha GB, Singh S. Altriusm, compassion, and empathy: spirituality among health care providers. In preparation.

Gassert T, Priyanka, Dhara VR, **Holtz TH**, Lor A. Re-examining Bhopal: Health and human rights meets the world’s worst industrial disaster. Submitted to journal.

**Holtz TH,** Gassert TH, McCue M. Transnational corporate activity: Impact on human rights and health. Manuscript in process.

### **PUBLICATIONS – BOOKS**

**Holtz TH**. A Doctor in Little Lhasa: One Year in Dharamsala with the Tibetans in Exile. Indianapolis, IN: Dog Ear Publications, 2009. ISBN 978-159858-883-5.

Birn AE, Pillay Y, **Holtz TH**. Textbook of International Health, Global Health in a Dynamic World. 3rd edition. New York, NY: Oxford University Press, 2009. ISBN 978-0-19-530027-7. [www.oup.com](http://www.oup.com)

Birn AE, Pillay Y, **Holtz TH**. Textbook of International Health, Global Health in a Dynamic World. 4th edition. New York, NY: Oxford University Press, 2017. [www.oup.com](http://www.oup.com)

### **PUBLICATIONS – BOOK CHAPTERS**

Smith CL, Kasper J, **Holtz TH**. Doctors for Global Health – Applying Liberation Medicine and Accompanying Communities in their Struggle for Health and Social Justice. In: *Comrades in Health: US Health Internationalists Abroad and at Home*, ed. Birn AE, Brown TM. Rutgers University Press, 2013.

**Holtz TH**. Epidemiology of tuberculosis. In: *Epidemiology and Demography in Public Health*, ed. Killewo J, Heggenhougen HK, Quah SR. Elsevier Press, 2010, pages 329-338.

**Holtz TH**. Tuberculosis epidemiology. In: *Encyclopedia of Public Health*, Elsevier Press, August 20, 2008, pages 382-391.

<http://www.sciencedirect.com/science/referenceworks/9780123739605?utm_source=ECU001>

World Health Organization (various authors). *Assesssing tuberculosis prevalence through population-based surveys*. World Health Organization, Western Pacific Region, 2007, ISBN 9789290613145.

**Holtz TH**, Kachur SP. The re-globalization of malaria. In: *Sickness and Wealth*. Mercer MA, Gish O, & Fort M, eds. Boston, MA: South End Press, 2004.

**Holtz TH**, Weisfuse I, Leighton J, Balter S, Weiss D, Blank S. The public health response to the World Trade Center disaster, New York City, September 2001. In: *Terrorism and Public Health*. Levy BS & Sidel VW, eds. Oxford, UK: Oxford University Press, 2003.

**Holtz TH**, Malaria. In: *The NORD Guide to Rare Disorders*. National Organization for Rare Disorders, eds. Philadelphia, PA: Lippincott, Williams & Wilkins, 2003, chapter 14.

**Holtz TH**, Kachur SP, Bloland PB. Malaria. In: *Advances in Medicine*. Edlich RF, ed. Arlington, Virginia: ABI Professional Publications, 2000.

**Holtz TH**. Tragedy without end, the 1984 Bhopal gas disaster: A narrative of exploitation, fear, and suffering. In: *Dying for Growth: Global Inequality and the Health of the Poor*. Kim JY, Millen JV, Irwin A, Gershman J, eds. Monroe, Maine: Common Courage Press, 2000.

Millen JV, **Holtz TH**. Transnational corporations and the health of the poor. In: *Dying for Growth: Global Inequality and the Health of the Poor*. Kim JY, Millen JV, Irwin A, Gershman J, eds. Monroe, Maine: Common Courage Press, 2000.

Garfield R, **Holtz TH**. Health system reforms in Cuba in the 1990s. In: *Healthcare reform and poverty in Latin America*. Lloyd-Sherlock P, ed. London: Institute for Latin American Studies, 2000.

**PUBLICATIONS - REPORTS**

Zampas C, Barot S, Bukovska B, Zoon I, **Holtz TH**. *Body and Soul: Forced Sterilization and Other Assaults on Roma Reproductive Freedom in Slovakia*. New York, NY: Center for Reproductive Rights, 2003.

Keller AS, Eisenman DP, Saul JM, Kim GM, **Holtz TH**, Connell JM. *Striking Hard: Torture in Tibet*. Boston, MA: Physicians for Human Rights, 1997. Report available at: <http://www.phrusa.org/research/torture/tortib2.html>

Wilson C, Barthauer L, **Holtz T**, McGowan L, Miller M, Rich M, Wedemeyer D. *A Student’s Guide to International Health*. Reston, VA: American Medical Student Association, 1993.

**GLOBAL GUIDELINES – CONTRIBUTOR**

WHO Companion Handbook to the Guidelines for Programmatic Management of Drug-resistant TB, 2011.

WHO Guidelines for the Programmatic Management of Drug-resistant TB, 2011.

WHO Guidelines for the Programmatic Management of Drug-resistant TB, XDR TB Emergency Update, 2008.

**GLOBAL GUIDELINES – REVIEWER**

WHO Guidelines for Surveillance of Drug Resistance in Tuberculosis, Edition 3, 2009.

**VOLUNTEER ACTIVITIES**

1999-2001 Volunteer Physician

Night Shelter, Atlanta, Georgia

DeKalb Grady Health Center, Atlanta, Georgia

## 1995-present Doctors for Global Health, Founding Member, Board of Directors, Human Rights Advisor, Decatur, Georgia

1997-1998 Working Group on Economic Links and Human Rights, Amnesty International, New York, New York

**MEDIA APPEARANCES**

13 Dec 2005 WBAI Radio, WNYC – Coverage of APHA meeting live

19 Apr 2006 KPFA Radio, Berkeley – Against the Grain Show

### **CONTINUING MEDICAL EDUCATION**

2016 NIH Protecting Human Research Participants, December 9, 3 AMA PRA (Cat I).

2016 ABIM Maintenance of Certification Exam, October, 8 AMA PRA (Cat I).

2016 MKSAP 17 Rheumatology, 16 AMA PRA (Cat I).

2016 MKSAP 17 Infectious Disease, 19 AMA PRA (Cat I).

2016 Maintenance of Certification Exam Prep Course, Chicago, October 14-16, 23 hours (Cat I).

2016 MKSAP 17 Pulmonary and Critical Care, 19 AMA PRA (Cat I).

2016 MKSAP 17 Nephrology, 19 AMA PRA (Cat I).

2016 MKSAP 17 General Medicine, 26 AMA PRA (Cat I).

2016 MKSAP 17 Endocrinology, 14 AMA PRA (Cat I).

2016 Conference on Retroviruses and OIs, Boston, February 22-25, 17 hours (Cat I).

2016 MKSAP 17 Gastroenterology, 16 AMA PRA (Cat I).

2016 MKSAP 17 Hematology and Oncology, 18 AMA PRA (Cat I).

2016 MKSAP 17 Dermatology, 14 AMA PRA (Cat I).

2016 MKSAP 17 Cardiology, 20 AMA PRA (Cat I).

2016 MKSAP 17 Neurology, 16 AMA PRA (Cat I).

2015 CDC Scientific Integrity and Quality Overview, web-based training, 2 AMA PRA credits (Cat I).

2015 Update in ABIM Cardiology Module, Univ of Pennsylvania, 10 AMA PRA credits (Cat I).

2015 IAS Conference on HIV Pathogenesis, Vancouver, Canada, July 19-22, 24 AMA PRA credits (Cat I).

2015 Update in ABIM Pulmonology Module, Univ of Pennsylvania, 10 AMA PRA credits (Cat I).

2014 Update in ABIM Gastroenterology Module, Univ of Pennsylvania, 10 AMA PRA credits (Cat I).

2014 Update in ABIM Internal Medicine Module, Univ of Pennsylvania, 10 AMA PRA credits (Cat I).

2014 Update in ABIM Infectious Disease Module, Univ of Pennsylvania, 10 AMA PRA credits (Cat I).

2014 Conference on Retroviruses and OIs, Boston, March 3-6, 27 hours (Cat I).

2014 Preventive Medicine Conference 2014, New Orleans, February 19-22, 2014, 23.5 hours (Cat I).

2013 Clinical Infectious Diseases, Peer review articles, May 2, 3.0 AMA PRA credits (Cat I).

2013 Conference on Retroviruses and OIs, Atlanta, Mar 2-6, 27.5 hours (Cat I).

2012 ACPM Annual PM Board Review Course, Washington, August 18-22, 2012, 39.5 hours (Cat I).

2012 ACPM Maintenance of Certification Credits, completed online April 2012, 68.25 hours (Cat I).

2012 Thailand Red Cross Int’l Symposium on HIV/AIDS, Bangkok, January 18-20, 24 hours.

2012 Article publishing, awarded January 9, 40 AMA PRA credits (Cat I).

2011 AIDS Vaccine, Bangkok, September 11-14, 20 hours.

2011 Conference on Retroviruses and OIs, Boston, February 27-Mar 2, 28 hours (Cat I).

2011 Medicine self-study, January – December, 25 hours (Cat II).

2011 Preventive Medicine 2011, San Antonio, February 16-19, 23 hours (Cat I).

2010 41st World Conference against TB and Lung Diseases, Berlin, October 2010, 20 hours.

2010 Medicine self-study, January – December, 30 hours (Cat II).

2010 AIDS Vaccine, Atlanta, September 2010, 20 hours (Cat I).

2010 International AIDS Conference, Vienna, July 2010, 20 hours.

2009 40th World Conference against TB and Lung Diseases, Cancun, December 2-7, 20 hours.

2009 American Thoracic Society, San Diego, May 16-20, 22 hours.

2009 Medicine self-study, January – December, 25 hours (Cat II).

2009 58th Annual Epidemic Intelligence Service Conference, April 20-24, 26 hours.

2008 39th World Conference against TB and Lung Diseases, Paris, October 16-20, 24 hours.

2008 DGH: Advancing the Right to Health: Challenges and Means, July 18-20, 8.25 hours.

2008 American Thoracic Society, Toronto, May 16-21, 22 hours.

2008 57th Annual Epidemic Intelligence Service Conference, April 14-18, 25 hours.

2007 38th World Conference against TB and Lung Diseases, Paris, November 10-12, 22 hours.

2007 Mindfulness, Compassion, and Treatment of Depression, Atlanta, October 20, 5 hours.

2007 MDR/XDR TB Webinar, August 24, 2 hours (Cat I).

2007 European Union Against Tuberculosis and Lung Diseases, Riga, Latvia, June 27-30, 17 hours.

2007 56th Annual Epidemic Intelligence Service Conference, Atlanta, April 16-20, 25 hours.

2007 Medicine self-study, January – December, 30 hours (Cat II).

2006 37th World Conference against TB and Lung Diseases, Paris, November 1-4, 22 hours.

2006 ABIM Internal Medicine Recertification exam, Atlanta, May 10, 30 hours.

2006 MedStudy Recertifcation Self-study, 50 hours (Cat II), February-May, 50 hours.

2006 55th Annual Epidemic Intelligence Service Conference, Atlanta, April 24-28, 25 hours.

2006 George Washington University board review, Washington DC, March 9-11, 25 hours.

2005 36th World Conference against TB and Lung Diseases, Paris, November 2-5, 22 hours.

2005 3rd IAS Conference on HIV Pathogenesis and Treatment, Rio de Janeiro, July 24-27, 15 hours.

2005 ABIM infectious disease board review, self-study, 18 hours (Cat II).

2005 54th Annual Epidemic Intelligence Service Conference, Atlanta, April 11-15, 29 hours.

2005 Rights Based Approaches to Health, Atlanta, April 14-16, 17 hours.

2005 ABIM outpatient medicine board review, self-study, 18 hours (Cat II).

2004 ABIM general medicine board review, self-study, 15 hours (Cat II).

2004 35th World Conference against TB and Lung Diseases, Paris, Oct 31- November 3, 22 hours.

2004 American Thoracic Society, Orlando, May 21-26, 27.25 hours.

2004 53rd Annual Epidemic Intelligence Service Conference, Atlanta, April 19-23, 33 hours.

2004 Update in Primary Care, Vancouver, February 26-27, 12 hours.

2004 ABIM clinical preventive services board review, self-study, 18 hours (Cat II).

2003 Core Curriculum on Tuberculosis, self-study, 5 hours (Cat II).

2003 American Thoracic Society, Seattle, May 16-21, 27 hours.

2003 52nd Annual Epidemic Intelligence Service Conference, Atlanta, March 31- April 4, 21.5 hours.

2002 Tuberculosis basic course, National Jewish Hospital, Denver, October 14-18, 26.5 hours.

2002 ACPM Preventive Medicine Review Course, Washington DC, August 24-25, 16 hours.

2002 Society for Epidemiologic Research, Palm Springs, June 20-22, 15 hours.

2002 51st Annual Epidemic Intelligence Service Conference, Atlanta, April 22-26, 20 hours.

2002 International Conference on Emerging Infectious Diseases, Atlanta, March 25-27, 15 hours.

2002 Prevention 2002, San Antonio, February 20-24, 30 hours.

2001 Targeted Tuberculosis Testing and Treatment of Latent TB Infection, 29 August, 3 hours.

2001 50th Annual Epidemic Intelligence Service Conference, Atlanta, April 23-27, 23 hours.

2000 Scientific Ethics Training, CDC, Atlanta, July 11.

2000 Infectious Disease Society of America, New Orleans, September 7-10, 25 hours.

2000 International Conference on Emerging Infectious Diseases, Atlanta, July 16-19, 6 hours.

2000 49th Annual Epidemic Intelligence Service Conference, Atlanta, April 10-14, 21 hours.

1999 Centers for Disease Control Weekly Seminar, yearly total 10 hours.

1999 Advanced Cardiac Life Support Training, March, 20 hours.

1999 Pediatric Advanced Life Support Training, March, 20 hours.

1998 American Public Health Association, Washington DC, November 14-19, 19.5 hours.

1998 Armed Forces Institute of Pathology, Risk Management, July 29, 5 hours.

1998 Dermatology for the Primary Care Physician, Boston University, May 29-30, 15 hours.

1998 Society of General Internal Medicine, April 23-25, 21.75 hours.

1998 American College of Preventive Medicine, April 2-5, 20 hours.

1997 American Public Health Association, November 9-13, 22 hours.

1997 Current Issues in Primary Care, Harvard Medical School, Boston, November 14-16, 17 hours.

1997 Primary Care Orthopedics, Harvard Medical School, Boston, May 21-23, 22 hours.

1997 Journal Watch, Boston University School of Medicine, December 2, 25 hours (Cat II).

1996 Comprehensive Board Review in Internal Medicine, Emory Univ., April 12-16, 45.5 hours

1996 Journal Watch, Boston University School of Medicine, June 1, 25 hours (Cat II).