

**Richard Andrew Murphy, M.D., M.P.H.**

CURRICULUM VITAE

**Personal History**

Business Address                    Infectious Diseases Division  
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**Education & Training**

University                            Duke University, Durham, NC, B.A., 1995

Medical School                      Duke University School of Medicine, Durham, NC,  
   MD, 2001

Graduate School                    Columbia University Mailman School of Public  
   Health, New York, NY, MPH (Biostatistics), 2009

Internship                            Internal Medicine, Columbia University Medical  
   Center, New York, 7/2001-6/2002

Residency                            Internal Medicine, Columbia University Medical  
   Center, New York, 7/2002-6/2005

Fellowships                           Massachusetts General Hospital Infectious Diseases  
   Training Program, Boston, MA, 7/2005-1/2008

   Harvard Global Health Fellowship: 18 months of  
   patient care and research concurrent with infectious  
   diseases fellowship, S. Africa 7/2006-1/2008

**Medical Licensure**

New York, Active License No: 228770  
   Date of Licensure : 06/16/03, through current

California, Active License No: A117312  
   Date of Licensure: 06/16/2011, through current

**Board Certification**

ABIM, Internal Medicine (through 2025)

ABIM, Infectious Diseases (through 2019)

**Other Training**

London School of Hygiene & Tropical Medicine/WHO  
Short Course: Infectious Diseases in Emergencies,  
New York, USA (2009)

WHO Malaria Management Course, Mahidol Malaria  
Unit, Bangkok, Thailand (2009)

Medecins Sans Frontiers, Field Coordinator Training  
New York (2009)

**Professional Background**

**Current Position:**

10/2015 –Current:

Attending Physician, Div. of Infectious Diseases, Harbor-UCLA Medical  
Center, Torrance, CA

+

Health Sciences Assistant Clinical Professor, Step III, Clinician-Educator  
track, David Geffen School of Medicine at UCLA, Los Angeles, CA

+

Attending Physician, Tom Kay HIV Clinic, Long Beach Comprehensive  
Health Center, Long Beach, CA (HIV Attending: 29 December 2016-present)

2016-Current:

Director: Outpatient Parenteral Antibiotics Therapy Program, Infectious  
Diseases Division, Harbor-UCLA Medical Center

Co-Director: Limb Salvage Clinical Service, Harbor-UCLA Medical Center

Director: Global Health Training, Infectious Diseases Division, Harbor-  
UCLA Medical Center

**Prior Position(s):**

1/2008 - 6/2011: Infectious Diseases and Tropical Diseases Advisor, Médecins Sans  
Frontières / Doctors Without Borders, New York, NY, USA – 100%

7/2011- 7/2012: Assistant Clinical Professor of Medicine at USC School of Medicine  
Attending Physician, LAC+USC Medical Center and Rand Schrader HIV Clinic

8/2012- 8/2015: Medical Director, HIV Program, Comprehensive Family Care Center  
and Attending Physician, Jacobi Medical Center, Bronx, New York – 50%

8/2012- 8/2015: Infectious Diseases Advisor, Médecins Sans Frontières / Doctors Without Borders, Operational Support Unit, New York, NY, USA – 50%

### **Professional & Scholarly Associations**

Infectious Diseases Society of America, Member (2/2011-Present)

American Society of Tropical Medicine and Hygiene (1/2015-Present)

### **Journal Reviewer**

Clinical Infectious Diseases (2009, 2016-2017)

The Lancet (2011)

Journal of the Acquired Immunodeficiency Syndrome (2012)

BMC Infectious Diseases (2013)

PLOS One (2013)

Open Forum of Infectious Diseases (2014)

### **Service and Teaching**

Massachusetts General Hospital / Harvard Medical School

- Special Rapporteur, 1<sup>st</sup> PEPFAR HIV Conference, Durban, South Africa, 2006

Médecins Sans Frontières (MSF) / Doctors Without Borders, USA

- Chair: Bacterial Infections and Antibiotic Resistance Intersectional Group (2010-15)
- Scientific Chair: Symposium on Antibiotic-Resistant Infections in Poor Settings: An Intersectional MSF Scientific Meeting, Paris, France (2011)
- Member: International Malaria Working Group. The malaria working group sets international treatment, prevention and research strategies with regard to hundreds of thousands of cases of malaria encountered yearly by MSF in the field (2011-14)
- Chair and Organizer: Workshop on Antibiotic Resistance in the Middle East in Conflict Settings. This workshop brought together humanitarian, government and scientific actors to determine the steps forward to measuring and responding to the growth of antibiotic resistance in refugee populations, Amman, Jordan, 9/2014
- Telemedicine Infectious Diseases Consultant. Provided weekly support for complex infectious diseases cases encountered in a variety of humanitarian settings including burn infection, surgical infection and infection in malnourished hosts.
- Antibiotics Stewardship Implementation Leader: Developed novel antibiotic stewardship models with site visits and ongoing electronic support for Doctors Without Borders' hospitals in Jordan, Central African Republic and Haiti (2011-14)

Albert Einstein College of Medicine and Montefiore Medical Center

- Special Rapporteur, 6th HIV Advanced Clinical Care, Durban, S Africa (2012)
- HIV Quality Improvement Coordinator, CFCC Clinic (2012-2015)
- HIV Elective Coordinator, CFCC Clinic Montefiore Medicine Residency (2014)
- Global Health Career Advisor, Montefiore Medicine Residency (2012-2015)

Harbor-UCLA Medical Center (HUMC)

*HUMC / Hospital-wide*

- Member: Infection Control Profession Staff Association Committee (2015-present)
- Member: Hand Hygiene Task Force (2016-present)
- Member: Catheter-Associated UTI Task Force (2016-present)
- Member: Intern Selection Committee (2017-present)
- Member: Medicine Grand Rounds Committee (2018-present)

*HUMC / Division of Infectious Diseases*

- Member: Microbiology Lab Liaison Committee (2016-present)
- Member: Fellowship Program Evaluation Committee (2016-present)
- Member: Fellowship Interviewer and Selection Committee (2016-present)

Infectious Diseases Society of America (IDSA)

- IDSA Global Health Committee (2016 – present)

**Honors and Awards**

Davison Scholarship, Duke University School of Medicine, Durham, NC (1997)

Albert Schweitzer Fellow, Duke University School of Medicine, Durham, NC (1999)

Resident Research Award, Columbia University Medical Center, NY, NY (2002 & 2003)

Patient-Oriented Research Scholar, Biostatistics Dept., Columbia School of Public Health, NY (2003)

Young Investigator Award, Conference on Retroviruses and Opportunistic Infections, Boston, MA (2008)

Special Service Award, HIV Advanced Clinical Care Conference, Durban, South Africa (2016)

**Research Activities:**

**Major Areas of Research Interest**

My overarching interest is improving the diagnosis and management of infectious diseases among impoverished and marginalized populations. Specifically my research focuses on: (1) HIV-infected patients with antiretroviral therapy failure and HIV patients with multidrug resistant tuberculosis coinfection (2) innovative strategies to improve

uptake and adherence to ART among HIV-infected patients in resource-limited settings and (3) the epidemiology and management of drug-resistant and emerging infections in low-income and post-conflict contexts.

### **Current Research Activity**

1. Ongoing collaborations with South Africa investigators on HIV clinical failure and tuberculosis coinfection
  - a. Antiretroviral resistance in patients with failure of PI-based, second-line ART
  - b. Improving adherence to antiretroviral therapy in South African patients
  - c. Improving management of cryptococcal meningitis in sub-Saharan Africa
2. Collaboration with humanitarian groups on operational research, multiple sites
  - a. Reducing burn associated sepsis and mortality in patients (Haiti)
  - b. Improving management of infections associated with war-injury
  - c. Reducing nosocomial infections in a malnutrition hospital program (Niger)

### **Lectures**

#### ***Local and Regional Lectures***

“Management of Pericardial Tuberculosis” Harvard Combined Infectious Diseases Rounds, 10/2005

“Hemoptysis Associated with Aspergilloma” Harvard Combined Infectious Diseases Rounds, 12/2005

“Diagnosis and Therapy of Echinococcal Liver Disease,” Harvard Combined Infectious Diseases Rounds, 05/2006

“Career pathways in global health” USC School of Medicine Global Health Initiative Lecture Series, 5/2012

“Adherence and antiretroviral failure among HIV-infected patients in Durban, South Africa,” Rand Shrader HIV Grand Rounds, USC School of Medicine, 10/2012

“Global Health Careers: Getting Started,” Invited Symposium Speaker, Mt Sinai School of Medicine, 3/2015

“Updates in the management of advanced HIV infection in resource-limited settings” Infectious Diseases Grand Rounds, Harbor-UCLA Medical Center, 5 Feb 2016

“Responding to a Malaria Epidemic, Burundi,” David Geffen School of Medicine at UCLA Global Health Lecture Series, 13 Jan 2017

“Malaria Prevention and Control: the Doctors Without Border’s Experience,” Olive View Medical Center, 17 Feb 2017

“Changes in the Management of HIV-infected Patients in Resource-Limited Settings”  
Infectious Diseases Grand Rounds, Harbor-UCLA Medical Center, August 2018

***National Lectures***

“Management of multidrug-resistant infection in patients with war wounds, Iraq”  
Médecins Sans Frontières Noon Seminars, New York, NY 01/2009.

“Responding to epidemic meningococcal meningitis in Northern Nigeria,” Médecins  
Sans Frontières Noon Seminars, New York, NY 04/2009.

“Epidemic meningitis” Lecturer, WHO Short Course: Communicable Diseases in  
Humanitarian Emergencies, New York, USA, 2010

“Infection Control Challenges in Resource Limited Settings” in Infectious Diseases  
Society of America IDWeek Symposium: Healthcare Associated Infection in  
Emerging Economies, October 2013 San Francisco, California

“Zika Virus Update” Debevoise and Plimpton Law Firm, NY, NY 3 March 2016

***International Lectures***

“Outcomes Among HIV-Infected Patients After Virologic Failure and Genotype  
Resistance Testing in South Africa,” Grand Rounds, GF Jooste Hospital, Manenberg,  
South Africa, 08/2008

“Timing of ART After Tuberculosis and other Acute Opportunist Infection In Resource-  
Limited Settings,” Annual Workshop on Advanced Clinical Care, Univ. of KwaZulu-  
Natal / Harvard University / McCord Hospital, Durban, South Africa, 10/2008

“Strategies for malaria prevention for children under 18 months of age using the EPI  
structure: IPTi”, Médecins Sans Frontières Medical Coordinators Seminar: 2009

“Outcomes after failure of first-line ART in South Africa,” HOPE Internet Conference  
Speaker HIV Provider Education Conference, Harvard Division of AIDS, 2009

“Interactions between HIV and malaria and management considerations” Médecins Sans  
Frontières International Malaria Workshop, Geneva, Switzerland, 2010

“Rectal artesunate for severe malaria in children in precarious settings” Médecins Sans  
Frontières International Malaria Workshop, Geneva, Switzerland, 2010

“Post-traumatic osteomyelitis in humanitarian surgical programmes: Antibiotic drug-  
resistance and other challenges” Medecins Sans Frontieres International Surgery  
Scientific Day Symposium and Workshop, 12/2012

- “Current Issues in Adult Second-line Antiretroviral Therapy” Annual Workshop on Advanced Clinical Care, Univ. of KwaZulu-Natal / Harvard University / McCord Hospital, Durban, South Africa, 10/2012
- “Second-Line Antiretroviral Therapy in Low Resource Settings.” Discussant and Lecturer for the International HIV Online Provider Education (HOPE) Conferences, Massachusetts General Hospital, Harvard Medical School, Boston, MA, 4/2012
- “Antibiotic resistant infections in the medical humanitarian environment” Medecins Sans Frontieres Hospital Manager Training Course, 2/2013
- “Antibiotic Resistance in the Middle East: Lessons Learned in the Prevention and Treatment of Multidrug-resistant Infections,” Meeting organizer and speaker: Infections related to war. 21 September 2014, Amman, Jordan
- “Antibiotic resistant infections in humanitarian emergencies: what to do?” Invited speaker, Medecins Sans Frontieres / Epicentre Scientific Day, Paris, 6 June, 2014
- “Antibiotic Resistance in Post-conflict Settings,” Invited panel discussant, Medecins Sans Frontieres Operational Research Day, Brussels, 8 June, 2014
- “Antibiotic stewardship and other responses to antibiotic resistance in humanitarian medical context,” Grande Messe, An Intersectional Doctors Without Borders Pharmacist Meeting, Barcelona, 30 June, 2014
- “Updates on Management of Opportunistic Infections in Resource-limited Settings” Annual Workshop on Advanced Clinical Care, Univ. of KwaZulu-Natal / Harvard University / McCord Hospital, Durban, South Africa, 10/2016
- “Opportunistic Infection Update, 2016” Annual Workshop on Advanced Clinical Care, Univ. of KwaZulu-Natal / Harvard University / McCord Hospital, Durban, South Africa, 9/2018

**Clinical Teaching**

*Medicine Inpatient Wards:*

Supervision/teaching included: Interns, Residents and 3<sup>rd</sup> and 4<sup>th</sup> Year Medical Students  
October 16-31, 2015  
November 16-30, 2015  
May 16-31, 2016  
July 1-15, 2016  
August 16-30, 2016  
December 1-15, 2016  
March 16-31, 2017

*Infectious Diseases Teaching Consult Service:*

Supervision/teaching included: Fellows, Residents and 4th Year Students

December 16-31, 2015

January 16-13, 2016

June 16-31, 2016

August 1-15, 2016

September 16-30, 2016

November 1-15, 2016

February 15-28, 2017

June 16-30, 2017

August 1-15, 2017

*HIV Inpatient Teaching Consult Service*

Supervision/teaching included: Fellows, Residents

February 1-14, 2017

**Recurring Lecture Duties**

*Lecturer for the International HIV Online Provider Education (HOPE) Conferences: Clinicians in resource-limited settings*

Sponsored by Massachusetts General Hospital / Harvard Medical School, topics I have presented have included “Second-line antiretroviral Therapy,” “Challenging Cases from McCord Hospital,” and “Inpatient ART Initiation.” HOPE involves participants from Latin America and sub-Saharan Africa in lectures focused on HIV/AIDS care and prevention. 9/2006-Present

*Lecturer in the UCLA Global Health Pathway Visiting Scholar: UCLA Medical Students and Residents*

Evening series designed to increase knowledge in the field of global health. My area of contribution has been epidemic responses by Medecins Sans Frontiers. 1/2017-Present

*Lecturer, Infectious Diseases Fellowship Case Conference (1 time/year): Infectious Diseases Fellows*

In addition, I have multiple teaching roles in the Infectious Disease Program including as a discussant in weekly Active Case Discussion, coaching fellows for journal club and providing mentoring for fellows presenting at interdisciplinary and city-wide conferences (Chest / ID Conference, Intercity and Renal Transplant Conference). 10/2015-Present

*Lecturer, UCLA Medical Student Discussion of Major Diseases Learning Series (HIV and Bacterial diseases): UCLA Medical Students*

August 10, 2016

February 6, 2017

February 8, 2017

*Lecturer, Infectious Diseases Fellowship Core Lecture Series: Fellows*

HIV-associated Opport. Infections - July 3, 2016



HIV-associated Opport. Infections - July 5, 2017

*Discussant, Internal Medicine Residency Morbidity & Mortality Conf.*, Harbor-UCLA:  
Residents and UCLA Medical Students

September 1, 2016 (Tuberculosis pericarditis)

January 28, 2016 (Pulmonary infections in ICU)

March 2, 2017 (Diabetic foot osteomyelitis)

*Harbor-UCLA Resident Morning Report.* Case-based discussion of recently hospitalized  
patient: Residents

August 18, 2017 (Mucormycosis)

### **Research mentoring**

1. Shanthi Kapagoda, MD, Resident, Brigham and Women's Hospital (2005)  
Project: Outcomes after admission among HIV-infected patients with  
opportunistic infection in South Africa  
Current: Assistant Professor, Stanford
2. Bushra Taha, Student, Harvard Medical School (2006)  
Project: Outcomes after admission with opportunistic infection in South Africa  
Current: Instructor in Anesthesia, Massachusetts General Hospital
3. Carmen Castilla, Student, University of New Jersey School of Medicine – IDSA  
Medical Scholars Award (2010)  
Project: Early ART adherence as a marker of risk for mortality and loss-to-follow-  
up in South Africa  
Current: Instructor in Dermatology, Mt Sinai School of Medicine
4. Lynda Nwabuobi, Student, NYU School of Medicine - IDSA Medical Scholars  
Award (2011)  
Project: Long-term adherence and outcomes associated with second-line ART in  
South Africa  
Current: Neurology Resident, NYU School of Medicine
5. Shawn Cohen, Student, NYU School of Medicine (2012)  
Project: Failure of second-line ART in pediatric patients in South Africa  
Current: Internal Medicine Resident, University of Washington
6. Kerlly Bernabe, MPH candidate, Boston Univ School of Public Health (2013)  
Project: Structured review of the literature - Antibiotic resistant infections in  
West Africa  
Current: Epidemiologist, Weill Cornell Medical College
7. Okwi Okoli, Epidemiologist, Medecins Sans Frontieres (2013)  
Project: Retrospective review of surgical site infections in humanitarian surgical  
project in Nigeria  
Current: Internal Medicine Resident, Longview Regional Medical Center, TX
8. Luba Nisenbaum, Student, University of New Jersey School of Medicine (2014)  
Project: Sepsis complicating burn injuries in a humanitarian surgical project, Port-  
au-Prince, Haiti

Current: Medical Student, Rutgers New Jersey School of Medicine

9. Timothy Hatlin, Infectious Diseases Fellow (2017)  
Project: Enhanced fluconazole consolidation therapy for cryptococcal meningitis in sub-Saharan Africa  
Current: Infectious Diseases Fellow, Harbor-UCLA
10. Nisha Punatar, Internal Medicine Resident (2018)  
Meta-analysis of CD4 cell count at the time of antiretroviral failure in sub-Saharan African cohorts  
Current: Resident, Harbor-UCLA Medical Center
11. Jason Malenfant, Infectious Diseases Fellow UCLA (2019)  
OASIS Study: Optimizing Adherence Support, Inspiring Success (The OASIS Study) in the Treatment of MDR-TB and HIV Coinfection in South Africa with Short-Course Therapy
12. Justin Zhang, Medical Student Geffen School of Medicine at UCLA (2019)  
Sponsored recipient of a UCLA School of Medicine Research Fellowship for the project, "Oral Short-Course Therapy for MDR-tuberculosis in South Africa." The \$4,000 fellowship will support two months overseas working on an MDR-TB project in South Africa.

## Bibliography

### Research Papers – Peer Reviewed

#### A. Research Papers - Peer-Reviewed:

1. **Murphy RA.** The emerging crisis of drug-resistant tuberculosis in South Africa: lessons from New York City. *Clin Infect Dis.* 2008 Jun 1;46(11):1729-32.
2. **Murphy RA,** France H, Sunpath H, Gordon ML, Marconi VC, Kuritzkes DR, McIntosh K. Development of dual-class antiretroviral drug resistance in a child coinfecting with HIV and tuberculosis: a case report from KwaZulu-Natal, South Africa. *J Trop Pediatr.* 2009 Feb;55(1):60-2.
3. **Murphy RA,** Sunpath H, Lu Z, Chelin N, Losina E, Gordon M, Ross D, Ewusi AD, Matthews LT, Kuritzkes DR, Marconi VC; South Africa Resistance Cohort Study Team. Outcomes after virologic failure of first-line ART in South Africa. *AIDS.* 2010 Apr 24;24(7):1007-12.
4. **Murphy RA,** Sunpath H, Taha B, Kappagoda S, Maphasa KT, Kuritzkes DR, Smeaton L. Low uptake of antiretroviral therapy after admission with human immunodeficiency virus and tuberculosis in KwaZulu-Natal, South Africa. *Int J Tuberc Lung Dis.* 2010 Jul;14(7):903-8.
5. **Murphy RA,** Ronat JB, Fakhri RM, Herard P, Blackwell N, Abgrall S, Anderson DJ. Multidrug-resistant chronic osteomyelitis complicating war injury in Iraqi civilians. *J Trauma.* 2011 Jul;71(1):252-4.
6. Singh A, Sunpath H, Green T, Padayachi N, Hiramani K, Lie Y, **Murphy RA,** Reeves JD, Kuritzkes DR, Ndung'u T. Drug resistance and viral tropism in HIV-1 subtype C-infected patients in KwaZulu-Natal, South Africa: implications for future treatment options. *J Acquir Immune Defic Syndr.* 2011 Nov 1;58(3):233-40.
7. Julg B, Poole D, Ghebremichael M, Castilla C, Altfeld M, Sunpath H, **Murphy RA,** Walker BD. Factors predicting discordant virological and immunological responses to antiretroviral therapy in HIV-1 clade C infected Zulu/Xhosa in South Africa. *PLoS One.* 2012, Feb 14;7(2):e311161.
8. Sunpath H, Edwin C, Chelin N, Nadesan S, Maharaj R, Moosa Y, Smeaton L, Court R, Knight S, Gwyther E, **Murphy RA.** Operationalizing early antiretroviral therapy in HIV-infected in-patients with opportunistic infections including tuberculosis. *Int J Tuberc Lung Dis.* 2012 Jul;16(7):917-23.
9. **Murphy RA,** Marconi VC, Gandhi RT, Kuritzkes DR, Sunpath H. Co-administration of lopinavir/ritonavir and rifampicin in HIV and tuberculosis co-infected adults in South Africa. *PLoS One.* 2012, Sept 28;7(9):e44793.
10. **Murphy RA,** Sunpath H, Castilla C, Ebrahim S, Court R, Nguyen H, Kuritzkes DR, Marconi VC, Nachega JB. Second-line antiretroviral therapy: long-term outcomes in South Africa. *J Acquir Immune Defic Syndr.* 2012 Oct 1;61(2):158-63.

11. Marconi VC, Wu B, Hampton J, Ordóñez CE, Johnson BA, Singh D, John S, Gordon M, Hare A, **Murphy RA**, Nachega J, Kuritzkes DR, del Rio C, Sunpath H; South Africa Resistance Cohort Study Team Group Authors. Early warning indicators for first-line virologic failure independent of adherence measures in a South African urban clinic. *AIDS Patient Care STDS*. 2013 Dec;27(12):657-68.
12. Wu P, Johnson B, Nachega J, Wu B, Ordonez CE, Hare AQ, Kearns R, **Murphy RA**, Sunpath H, Marconi VC. The combination of pill count and self-reported adherence is a strong predictor of first-line ART failure for adults in South Africa. *Curr HIV Res*. 2014 ;12(5):366-75.
13. Sunpath H, Winternheimer P, Cohen S, Tennant I, Chelin N, Gandhi R, **Murphy RA**. Double-dose lopinavir-ritonavir in combination with rifampicin-based anti-tuberculosis treatment in South Africa. *Int J Tuberc Lung Dis*. 2014 Jun;18(6):689-93.
14. Ronat JB, Kakol J, Khoury MN, Berthelot M, Yun O, Brown V, **Murphy RA**. Highly drug-resistant pathogens implicated in burn-associated bacteremia in an Iraqi burn care unit. *PLoS One*. 2014 Aug 11;9(8):e101017.
15. Teicher CL, Ronat JB, Fakhri RM, Basel M, Labar AS, Herard P, **Murphy RA**. Antimicrobial drug-resistant bacteria isolated from Syrian war-injured patients, August 2011-March 2013. *Emerg Infect Dis*. 2014 Nov;20(11):1949-51.
16. Court R, Leisegang R, Stewart A, Sunpath H, **Murphy RA**, Winternheimer P, Ally M, Maartens G. Short term adherence tool predicts failure on second line protease inhibitor-based antiretroviral therapy: an observational cohort study. *BMC Infect Dis*. 2014 Dec 4;14:664.
17. **Murphy RA**, Gounder L, Manzini TC, Ramdial PK, Castilla C, Moosa MY. Challenges in the management of disseminated progressive histoplasmosis in human immunodeficiency virus-infected patients in resource-limited settings. *Open Forum Infect Dis*. 2015 Mar 30;2(1)
18. **Murphy RA**, Nisenbaum L, Labar AS, Sheridan RL, Ronat JB, Dilworth K, Pena J, Kilborn E, Teicher C. Invasive Infection and Outcomes in a Humanitarian Surgical Burn Program in Haiti. *World J Surg*. 2016 Feb 25
19. Bhalla N, Hussein N, Atari M, Fakhri RM, Lepora C, Walsh N, Cosgrove SE, **Murphy RA**. Introducing an antibiotic stewardship program in a humanitarian surgical hospital. *Am J Infect Control*. 2016 May 17
20. **Murphy RA**, Okoli O, Essien I, Teicher C, Elder G, Pena J, Ronat JB, Bernabé KJ. Multidrug-resistant surgical site infections in a humanitarian surgery project. *Epidemiol Infect*. 2016 Aug 11:1-7.
21. Bernabe KJ, Langendorf C, Forde N, **Murphy RA**. Antimicrobial resistance in common infectious syndromes in West Africa: A review of published literature and meta-analysis. *International Journal of Antimicrobial Agents*, 2017.
22. **Murphy RA**, Maartens G, Court R, Sunpath H. Second-line antiretroviral therapy in sub-Saharan Africa: It's time to mind the gaps. *AIDS Res Hum Retroviruses*. 2017 Aug 10.

23. Kemigisha E, Nanjebe D, Boum Y 2nd, Langendorf C, Aberrane S, Nyehangane D, Nackers F, Mueller Y, Charrel R, **Murphy RA**, Page AL, Mwanga-Amumpaire J. Antimicrobial treatment practices among Ugandan children with suspicion of central nervous system infection. *PLoS One*. 2018 Oct 9;13(10)
24. **Murphy RA**, Hatlen TJ, Moosa MS. High-Dose Fluconazole Consolidation Therapy for Cryptococcal Meningitis in Sub-Saharan Africa: Much to Gain, Little to Lose. *AIDS Res Hum Retroviruses*. 2018 May;34(5):399-403.
25. Sunpath H, Hatlen TJ, Naidu KK, Msimango P, Adams RN, Moosa MS, Marconi VC, **Murphy RA**, Gandhi RT, Pillay S, Siedner M, Naidoo K. Targeting the third '90': introducing the viral load champion. *Public Health Action*. 2018 Dec 21;8(4):225-231.
26. Shroufi A, Van Cutsem G, Cambiano V, Bansi-Matharu L, Duncan K, **Murphy RA**, Maman D, Phillips A. Simplifying switch to second-line antiretroviral therapy in sub Saharan Africa: predicted effect of using a single viral load to define efavirenz-based first-line failure. *AIDS*. 2019 Aug 1;33(10):1635-1644.

**B. Research Papers - Peer-Reviewed (In Press):**

**C. Research Papers – Peer Reviewed (Submitted):**

**Research Papers (Non-Peer Reviewed)**

**D. Research Papers - Non-Peer Reviewed**

1. Hatlin T, **Murphy RA**, Persichino J. Necrotic Thigh Ulcer in an Immunosuppressed Male. *Cutis*. August;100(2):80, 91
2. Gihyun M, Rheem J, **Murphy RA**, Miller G. Successful treatment of acute herpes simplex virus hepatitis in a patient with systemic lupus erythematosus using acyclovir  
UCLA Proceedings, 2017

**E. Research Papers - Non-Peer Reviewed (In Press)**

**F. Research Papers - Non-Peer Reviewed (Submitted)**

**CHAPTERS**

1. **Murphy RA**: HIV-associated diarrhea. In: Medecins Sans Frontieres Primary Care Guide for HIV Care. (First Edition, Editor: Balkan, S) Medecins Sans Frontieres, Paris, 2010
2. **Murphy RA**: Chapters: Typhoid fever, Rabies, Pharyngitis, Relapsing fever, Scabies, Leptospirosis. In: Clinical Guidelines: Diagnosis and Treatment Manual. (10th Edition, Editor: Grouzard, V), Medecins Sans Frontieres International, Geneva, 2010
3. **Murphy RA**: Contributing author. In: Tuberculosis Infection Control in Resource-Limited Settings (First Edition, Editor: Vincent-Smith R), Medecins Sans Frontieres International, Geneva, 2010

4. **Murphy RA:** Contributing author. In: Management of a Measles Epidemic, A Field Guide (First Edition, Editor: Florence Fermon), Medecins Sans Frontieres International, Geneva, 2013

#### **LETTERS TO THE EDITOR**

1. **Murphy RA.** Letter to the Editor: Establishing the Prevalence of Extended-spectrum Beta-lactamases in East Africa. *The Lancet*, Volume 375, Issue 9713, Pages 460 - 461, 6 February 2010

#### **REVIEWS**

1. **Murphy RA,** Sunpath H, Kuritzkes DR, Venter F, Gandhi RT. Antiretroviral therapy-associated toxicities in the resource-poor world: the challenge of a limited formulary. *J Infect Dis.* 2007 Dec 1;196 Suppl 3:S449-56.
2. **Murphy RA,** Chua AC. Prevention of common healthcare associated infections in humanitarian hospitals. *Curr Opin Infect Dis.* 2016 Aug;29(4):381-7.

#### **EDITORIALS**

1. **Murphy RA.** “Temporary Health Care, Lasting Power – How Human Rights Advocacy Helped the Citizens of Princeville, North Carolina Take on FEMA.” *Human Rights Dialogue* 2001; Series 2, Number 6: p.15
2. Elder G, **Murphy RA,** Herard P, Dilworth K, Olson D, Heinzelmann A. Challenging the barriers to accessing surgery in low-resource settings: Lessons learned from burns. *Surgery.* 2015 Jul;158(1):33-6.

#### **PAPERS IN PREPARATION (RESEARCH COMPLETED)**

1. Protease inhibitor resistance in patients with virological failure during second-line, protease inhibitor-based ART in Durban, South Africa
2. High mortality among children admitted with abnormal central nervous system manifestation of infectious origin: a review of antimicrobial treatment practices and antibiotic resistance patterns at Mbarara Regional Referral Hospital, Uganda

#### **ABSTRACTS**

1. **RA Murphy,** V Peters, B. Gill, N Harris, K Dominguez, P Thomas, KL Liu, E. Handelsman. Perinatal HIV Infection Can Be Reasonably Excluded at Three Months of Age with HIV-1 DNA PCR in NYC. 2004 International AIDS Conf., Bangkok.
2. **RA Murphy,** D Ferris, W Wang, G Lee, J Bang, A Montero, K Brudney, and J Dobkin. The Jumpstart Treatment Adherence Program: A Novel Approach to Addressing Adherence Barriers and Improving Outcomes in HAART-Experienced HIV-Infected Patients. 2004 IDSA Conf., Boston, MA.
3. **RA Murphy,** H. Sunpath, A. Nijhawan, M. McClellan, D. Kuritzkes. Lopinavir/ritonavir (LPV/r) + Two Nucleoside Analogues as Second-Line ART in Protease-Inhibitor Naïve Adults in South Africa: Outcomes and Adverse Effects. CROI 2008, Boston (Young Investigator Award).

4. H. Sunpath, H. France, M. Tarin, V. Marconi, **RA Murphy**, C. Kanegai, Z. Lu, E. Losina, B. Walker, D. Kuritzkes. Prospective Analysis of HIV-1 Drug Resistance After Virologic Failure on Antiretroviral Therapy (ART): Initial Results from a Pediatric Cohort Study from KZN, South Africa. CROI 2008, Boston.
5. **Murphy RA**, Sunpath H, Marconi V. Poor Performance of WHO Immunologic Criteria for ART Failure among Patients Receiving Second-line HIV Therapy: South Africa. CROI 2012, Boston.

**INTERNET PUBLICATIONS:**

1. Murphy RA: Meningococcal meningitis: <http://www.idimages.org/main.asp> (2007)
2. Murphy RA: Tuberculosis presenting as pneumothorax in South Africa. <http://www.idimages.org/main.asp> (2007)
3. Murphy RA: Doctors Without Borders in Haiti: Treating and managing infected wounds. PLOS, Speaking of Medicine Blog. (2010)
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