

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

CURRICULUM VITAE

February 28, 2021

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, South Africa 7/2006-1/2008

Other Training

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)

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

Board Certification ABIM, Infectious Diseases (through 2023)
ABIM, Internal Medicine (through 2025)

PROFESSIONAL EXPERIENCE:

Current Position:

10/2015 –Current:

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

Health Sciences Assistant Clinical Professor
David Geffen School of Medicine at UCLA, Los Angeles, CA

Attending Physician, Tom Kay HIV Clinic
Long Beach Comprehensive Health Center, Long Beach, CA

Prior Position(s):

1/2008 - 6/2011: Infectious Diseases Advisor, Médecins Sans Frontières / Doctors
Without Borders, New York, NY

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: Assistant Professor of Medicine Albert Einstein College of Medicine and
HIV Director, CFCC Clinic, Montefiore Medical Center, Bronx, NY

PROFESSIONAL ACTIVITIES:

Committee Services

Massachusetts General Hospital / Harvard Medical School

- Special Rapporteur, 1st 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)
- 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)
- 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. (2008-11)

Albert Einstein College of Medicine and Montefiore Medical Center

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

Harbor-UCLA Medical Center

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)
- Mentor: Career Mentor for Internal Medicine Training Program (2018-present)

Division of Infectious Diseases

- Member: Microbiology Liaison Committee (2016-present)
- Member: Fellowship Program Evaluation Committee (2016-present)
- Member: Fellowship Selection Committee (2016-present)
- Director: International Health Training (2017-present)

National

Infectious Diseases Society of America (IDSA)

- IDSA Global Health Committee (2016-2019)

US Food and Drug Administration (FDA)

- Antiviral Drugs Advisory Committee (2019-present): Advisory committee provide FDA with independent opinions and recommendations from outside experts on applications to market new drugs.

National Institutes of Health (NIH) Neurocysticercosis Research Group

- Investigator, Neurocysticercosis Research Group (2021-present): Collaboration to describe the diagnosis, management and outcomes of subarachnoid NCC

Professional & Scholarly Associations

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

Journal Reviewer

Clinical Infectious Diseases (2009-present)

The Lancet (2011)

Journal of the Acquired Immunodeficiency Syndrome (2012)

BMC Infectious Diseases (2013-present)

PLOS One (2013)

Open Forum of Infectious Diseases (2014-present)

BMJ Open (2018)

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, Annual Workshop on Advanced Clinical Care– AIDS, 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 multidrug-resistant tuberculosis coinfection (2) innovative strategies to improve uptake and respond to ART failure 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 treatment failure and MDR-tuberculosis
 - a. Antiretroviral failure in patients with advanced HIV infection
 - b. Using drug concentration monitoring to optimize adherence to antiretroviral therapy and MDR-tuberculosis treatment in South Africa
 - c. Meta-analysis to highlight gaps in the management of advanced HIV in high prevalence settings
 - d. Analyses to improve access in poor settings to critical therapeutics
2. Collaboration with Doctors Without Borders on operational research, multiple sites
 - a. Reducing morbidity and mortality in pediatric infections
 - b. Improving management of infections associated with war-injury
3. Collaboration with NIH on subarachnoid neurocysticercosis
 - a. Determining optimal diagnostic and management strategies for subarachnoid neurocysticercosis in the United States

Research Grants

Agency & Number Title (PI/Co-PI) (name if you are not)	<u>% effort</u>	<u>Duration</u> (dates) <u>From -To</u>	<u>Direct costs</u> (your component only if multiple co-PI's)/<u>ann</u>
NIH Clinical Loan Repayment Grant Primary Investigator	35%	1/2007-6/2009	\$35,000/ann
Harvard CFAR Feasibility Grant "HIV-1 Tropism in Subtype C-Infected Patients from KwaZulu Natal" Co-Investigator	20%	1/2007-1/2010	\$0/ann
Doctors Without Borders Innovation Grant "The Clean Kids Study – A randomized clinical trial of chlorhexidine wipes in the prevention of nosocomial infection in a medical humanitarian pediatric hospital program" Primary Investigator	25%	9/2014-12/2016	\$0/ann
UCLA CFAR International Travel Grant Primary Investigator	10%	10/2016-10-2017	\$1,250/ann

LA BioMed Seed Grant “Delayed Switch to Second-Line Antiretroviral Therapy and Mortality in South Africa” Primary Investigator	10%	3/2017-3/2019	\$9062/ann
UCLA Center for AIDS Research (CFAR) “Optimizing Adherence Support, Inspiring Success (The OASIS Study) in the Treatment of MDR-TB and HIV Coinfection in South Africa with Short-Course Therapy” Primary Investigator	10%	8/2018-2/2020	\$12,500/ann
CTSI Clinical Research Voucher Primary Investigator	10%	10/2018-10/2019	\$6,200/ann
LA BioMed Health Services Travel Voucher Primary Investigator	10%	7/2019-7/2020	\$500/ann
Lundquist Health Services Research Inst.Data and Statistical Voucher Award Primary Investigator	10%	12/2020-11/20021	\$500/ann

LECTURES:**Local and Regional Lectures**

1. “Management of Pericardial Tuberculosis” Harvard Combined Infectious Diseases Rounds, 10/2005
2. “Hemoptysis Associated with Aspergilloma” Harvard Combined Infectious Diseases Rounds, 12/2005
3. “Diagnosis and Therapy of Echinococcal Liver Disease,” Harvard Combined Infectious Diseases Rounds, 05/2006
4. “Career pathways in global health” USC School of Medicine Global Health Initiative Lecture Series, 05/2012
5. “Adherence and antiretroviral failure among HIV-infected patients in Durban, South Africa,” Rand Shrader HIV Grand Rounds, USC School of Medicine, 10/2012

6. "Global Health Careers: Getting Started," Invited Symposium Speaker, Mt Sinai School of Medicine, 03/2015
7. "Updates in the management of advanced HIV infection in resource-limited settings" Infectious Diseases Grand Rounds, Harbor-UCLA Medical Center, 02/2016
8. "Responding to a Malaria Epidemic, Burundi," David Geffen School of Medicine at UCLA Global Health Lecture Series, 01/2017
9. "Malaria Prevention and Control: the Doctors Without Border's Experience," Olive View Medical Center, 02/2017
10. "Changes in the Management of HIV-infected Patients in Resource-Limited Settings" Infectious Diseases Grand Rounds, Harbor-UCLA Medical Center, 08/2018
11. "Global Health Career Pathways," LABioMed Summer Student Seminar, 08/2018
12. "Clinical Care for Patients with Advanced HIV Infection," HIV Clinical Training Program, Dept of Family Medicine, University of Southern California, 10/2018
13. "Update in HIV Opportunistic Infections," Los Angeles County Department of Public Health Grand Rounds, Los Angeles, CA October 28, 2019
14. "COVID-19 Vaccine and Research Update," Invited Moderator, Harbor-UCLA Medical Center Department of Medicine Grand Rounds, Torrance, CA January 19, 2021
15. "Introduction to Global Health Research," The Lundquist Institute PhD Training Program in Translational Research, Los Angeles, CA February 2, 2021

National Lectures

1. "Management of multidrug-resistant infection in patients with war wounds, Iraq" Médecins Sans Frontières Noon Seminars, New York, NY 01/2009
2. "Responding to epidemic meningococcal meningitis in Northern Nigeria," Médecins Sans Frontières Noon Seminars, New York, NY 04/2009
3. "Epidemic meningitis" Lecturer, WHO Short Course: Communicable Diseases in Humanitarian Emergencies, New York, USA, 05/2010
4. "Infection Control Challenges in Resource Limited Settings" in IDWeek Meet the Professor Symposium at the Annual Conference of the Infectious Diseases Society of America (IDSA): San Francisco, California 1 October 2013
5. "Zika Virus Update" Debevoise and Plimpton Law Firm, NY, NY 3 March 2016

6. "Displaced: Infectious Disease Impacts on Refugee and Migrant Populations" in IDWeek Meet the Professor Symposium at the Annual Conference of the Infectious Diseases Society of America (IDSA): Washington D.C. October 4, 2019

International Lectures

1. "Outcomes Among HIV-Infected Patients After Virologic Failure and Genotype Resistance Testing in South Africa," Grand Rounds, GF Jooste Hospital, Manenberg, South Africa, 2008
2. "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, 2008
3. "Strategies for malaria prevention for children under 18 months of age using the EPI structure: IPTi", Médecins Sans Frontières Medical Coordinators Seminar: 2009
4. "Outcomes after failure of first-line ART in South Africa," HOPE Internet Conference Speaker HIV Provider Education Conference, Harvard Division of AIDS, 2009
5. "Interactions between HIV and malaria and management considerations" Médecins Sans Frontières International Malaria Workshop, Geneva, Switzerland, 2010
6. "Rectal artesunate for severe malaria in children in precarious settings" Médecins Sans Frontières International Malaria Workshop, Geneva, Switzerland, 2010
7. "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
8. "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
9. "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
10. "Antibiotic resistant infections in the medical humanitarian environment" Medecins Sans Frontieres Hospital Manager Training Course, 2/2013
11. "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. Amman, Jordan, 21 September 2014
12. "Antibiotic resistant infections in humanitarian emergencies: what to do?" Invited speaker, Medecins Sans Frontiers / Epicentre Scientific Day, Paris, 6 June 2014

13. “Antibiotic Resistance in Post-conflict Settings,” Invited panel discussant, Medecins Sans Frontiers Operational Research Day, Brussels, 8 June 2014
14. “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
15. “Updates on Management of Opportunistic Infections in Resource-limited Settings” Annual Workshop on Advanced Clinical Care, Univ. of KwaZulu-Natal / Harvard Medical School, Durban, South Africa, 15 October 2016
16. “Updates in Opportunistic Infections, 2018” Annual Workshop on Advanced Clinical Care – AIDS, Univ. of KwaZulu-Natal / Harvard Medical School, Durban, South Africa, 2 September 2018
17. “Management of Advanced HIV Infection in Resource Limited Settings,” Annual Workshop on Advanced Clinical Care – AIDS, Univ. of KwaZulu-Natal / Harvard Medical School, Durban, South Africa, 28 August 2019
18. “How Doctors Without Borders is Fighting Antibiotic Resistance,” Invited panel discussant (Webinar), Medecins Sans Frontiers, New York, 20 November 2020
19. “Introduction to Global Health,” Invited Discussant (Webinar), Biome Undergraduate Global Health Forum, Harvard Univ., Cambridge, MA January 18, 2021

CLINICAL/TEACHING ACTIVITIES

Infectious Diseases Teaching Consult Service:

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

March 16-31, 2016

June 16-31, 2016

August 1-15, 2016

September 16-30, 2016

November 1-15, 2016

December 16-31, 2016

February 16-28, 2017

June 16-30, 2017

July 1-15, 2017

August 1-15, 2017

December 1-15, 2017

December 26-January 1, 2018

April 16-30, 2018

August 1-15, 2018

August 16-31, 2018

November 1-15, 2018
November 16-25, 2018
November 29-30 2018
December 6-8,2018
February 8-14, 2019
March 1-15, 2019
April 26-30, 2019
August 1-21, 2019
November 1-15, 2019
January 26-31, 2020
March 1-15, 2020
June 16-30, 2020
September 16-30, 2020
November 16-30, 2020
December 1-7, 2020
February 1-14, 2021
March 1-15, 2021

Medicine Inpatient Wards:

Supervision/teaching included: Interns, Residents, 3rd & 4th Year UCLA Medical Student

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
September 1-15, 2017
January 16-31, 2018
June 16-30, 2018
January 16-31, 2019
September 16-20, 2019
May 1-15, 2019
June 1-15, 2019
September 16-30, 2019
March 16-31, 2020
June 1-15, 2020
August 1-15, 2020
January 1-15, 2021

HIV Inpatient Teaching Consult Service

Supervision/teaching included: Fellows, Residents

February 1-14, 2017

February 1-15, 2018

June 16-30, 2018

May 15-30, 2019

May 15-30, 2020

May 1-15, 2021

Recurring Lectures

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, 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

February 4, 2019

February 6, 2019

February 7, 2020

Lecturer, Infectious Diseases Fellowship Core Lecture Series: Fellows

HIV-associated Opportunistic Infections, July 2016 – present (yearly lecture)

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

September 1, 2016 (Tuberculosis pericarditis)

January 28, 2016 (Pulmonary infections in ICU)

March 2, 2017 (Diabetic foot osteomyelitis)

April 30, 2020 (Empyema)

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

Series designed to increase knowledge in the field of global health. My area of contribution has been epidemic responses by Doctors Without Borders. 1/2017-Present

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

August 18, 2017 (Mucormycosis)

Core Internal Medicine Training Program Lecture Series, Harbor-UCLA

Major Syndromes , November 27, 2018

Vector Bourne Disease - February 23, 2021

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.
2. Bushra Taha, Student, Harvard Medical School (2006) Project: Outcomes after admission with opportunistic infection in South Africa
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
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
5. Shawn Cohen, Student, NYU School of Medicine (2012) Project: Failure of second-line ART in pediatric patients in South Africa
6. Kerly Bernabe, MPH candidate, Boston Univ School of Public Health (2013) Project: Structured review of the literature - Antibiotic resistant infections in West Africa
7. Okwi Okoli, Epidemiologist, Medecins Sans Frontieres (2013) Project: Retrospective review of surgical site infections in humanitarian surgical project in Nigeria
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
9. Timothy Hatlin, Infectious Diseases Fellow (2017-2019) Project: Enhanced fluconazole consolidation therapy for cryptococcal meningitis in sub-Saharan Africa
10. Nisha Punatar, Internal Medicine Resident (2018-2019) Meta-analysis of CD4 cell count at the time of antiretroviral failure in sub-Saharan African cohorts
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-) Primary mentor for medical student 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 supported 2 months overseas working on an MDR-TB project in South Africa.
13. Paloma Rivero Moragrega, MD, Resident in Internal Medicine, Eisenhower Medical Center. (2021 -) Primary mentor for the project, “Metanalysis of Prevalence of Virologic Failure Among Patients with Advanced HIV Admitted to Hospital in sub-Saharan Africa.”

Bibliography

Research Papers – Peer Reviewed

A. Research Papers - Peer-Reviewed:

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:S449-56.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. Singh A, Sunpath H, Green T, Padayachi N, Hiramem 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.
8. 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):e31161.
9. 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.
10. **Murphy RA**, Marconi VC, Gandhi RT, Kuritzkes DR, Sunpath H. Coadministration of lopinavir/ritonavir and rifampicin in HIV and tuberculosis co-infected adults in South Africa. *PLoS One.* 2012, Sept 28;7(9):e44793.
11. **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.

12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. **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)
19. 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.
20. **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
21. 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
22. **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.
23. **Murphy RA**, Chua AC. Prevention of common healthcare associated infections in humanitarian hospitals. *Curr Opin Infect Dis*. 2016 Aug; 29(4): 381-7.
24. 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.

25. Hatlin T, **Murphy RA**, Persichino J. Necrotic Thigh Ulcer in an Immunosuppressed Male. *Cutis*. August 2017;100(2):80, 91
26. **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.
27. 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)
28. **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.
29. 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.
30. 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.
31. Gorrod HB, Court R, Schomaker M, Maartens G, **Murphy RA**. Increased Mortality with Delayed and Missed Switch to Second-Line Antiretroviral Therapy in South Africa. *J Acquir Immune Defic Syndr*. 2020 Jan 31.
32. Shroufi A, Govender NP, Meintjes G, Black J, Nel J, Moosa MS, Menezes C, Dawood H, Wilson D, Trivino Duran L, Ajose O, **Murphy RA**, Harrison T, Loyse A, Ruffell C, Van Cutsem G. Time to embrace access programs for medicines: Lessons from the South African flucytosine access program. *Int J Infect Dis*. 2020 Feb 29
33. Sunpath H, Hatlen TJ, Moosa MS, **Murphy RA**, Siedner M, Naidoo K. Urgent need to improve programmatic management of patients with HIV failing first-line antiretroviral therapy. *Public Health Action*. 2020 Dec 21;10(4):163-168

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

1. Miller A, **Murphy RA**, Bongard F. Multidisciplinary Limb Salvage Service Reduces Major Amputations in Diabetic Foot Infections. *Journal of the American Podiatric Medical Association*, 2021

C. Research Papers – Peer Reviewed (Submitted):

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