

Malini DeSilva M.D., M.P.H

HealthPartners Institute
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SUMMARY OF QUALIFICATIONS

- Medical epidemiologist with experience leading outbreak investigations
- Physician trained in internal medicine and pediatrics
- Strong written and verbal communication skills
- Organized, focused and flexible team member

RESEARCH INTERESTS

- Refugee health care including screening for infectious diseases as well as longitudinal care
- Chronic disease care improvement including diabetes and other chronic conditions, especially methods to provide decision support to patients and clinicians at the point of care in outpatient settings and during other encounters
- Vaccine preventable diseases
- Integration of public health and clinical medicine

PROFESSIONAL EMPLOYMENT

HealthPartners Institute Research Associate, February 2019 – present

- Work on the Vaccine Safety Datalink team at HealthPartners on projects related to vaccination safety
- Member of research teams led by Dr. JoAnn Sperl-Hillen and Dr. Patrick O'Connor focusing on clinical decision support tools to improve outcomes for patients with diabetes, chronic kidney disease, and other chronic diseases
- Member of the Refugee Center of Excellence team through a grant funded by CDC assisting with implementation of a Hepatitis B registry and clinical decision support tool to identify chronic Hepatitis B carriers, and revising and expanding CDC's current domestic refugee screening guidelines

HealthPartners Travel & Tropical Medicine Department, February 2019 – present

- Provide pre-travel counseling and post-travel health evaluations for travelers to international destinations

St. Paul-Ramsey County Tuberculosis Clinic, June 2017 – present

- Provide medical care to Ramsey County residents diagnosed with active tuberculosis or latent tuberculosis
- Assist with contact investigations for patients diagnosed with infectious tuberculosis

HealthPartners Urgent Care, January 2017 – May 2019

- Work as a full range practice physician at HealthPartners urgent care locations in the Twin Cities metro area
- Work with medical interpreters to provide care to non-English speaking patients

Minnesota Department of Health, Deputy Medical Director, Infectious Disease Epidemiology, Prevention and Control Division, May 2017 – January 2019

- Assist the IDEPC Medical Director in providing medical direction to the division
- Provide public health recommendations to local health departments and health care facilities related to infectious disease prevention and diagnostic evaluation
- Volunteer physician for the St. Paul-Ramsey County TB clinic

Minnesota Department of Health Medical Specialist, December 2016 – May 2017

- Work in the Healthcare-Associated Infection & Antimicrobial Resistance Unit of the Infectious Disease Epidemiology Prevention and Control Division (IDEPC) at MDH
- Perform chart reviews as part of the Centers for Disease Control and Prevention funded Epidemiology of Sepsis and multi-site Nursing Home Prevalence Survey

HealthPartners St. Paul Clinic Internal Medicine & Pediatrics, Primary Care Physician, September 2015 – January 2017

- Worked as the physician of a care team providing primary care to adult and pediatric patients in an urban clinic in St. Paul, Minnesota
- Diagnosed patients with common and occasionally complex conditions of public health significance including obesity, coronary artery disease, diabetes, HTN, and latent TB infection in addition to hepatitis B infection, chickenpox, and chlamydia

HealthPartners Research Institute Investigator, September 2015 – January 2017

- Worked with the Vaccine Safety Datalink team at HealthPartners on projects related to maternal-child vaccination safety
- Member of the Refugee Center of Excellence grant funded by CDC
- Received an internal grant to evaluate the effectiveness of maternal Tdap administration related to infant pertussis disease

UNIFORMED SERVICE EXPERIENCE

United States Public Health Service, July 2013–June 2015

- Lieutenant Commander
- Honorable discharge

FELLOWSHIP

Centers for Disease Control and Prevention based at Oregon Health Authority, Portland, OR Epidemic Intelligence Service Officer, July 2013 – July 2015

- Led an investigation to determine the attack rate of a community-wide outbreak in Baker City, Oregon and presented findings at a national meeting
- Organized and led a case-control study focused on evaluating associations between early syphilis infection and novel risk factors in Multnomah County, Oregon
- Served as an Infection Prevention and Control team member as part of the CDC Ebola Response in Sierra Leone
- Acted as communicable disease on-call epidemiologist for Oregon Health Authority's Acute & Communicable Disease Program
- Collaborated with local health departments to investigate outbreaks

INTERNSHIP AND RESIDENCY

University of Minnesota, Department of Internal Medicine & Pediatrics, Minneapolis, MN
Resident, 2010–2013
Intern, 2009–2010

MEDICAL LICENSURE: Minnesota, License #54397

BOARD CERTIFICATIONS:

American Board of Internal Medicine

Board Certified in Internal Medicine, Certificate #331121

American Board of Pediatrics

Board Certified in Pediatrics, Certificate #686023

OTHER CERTIFICATIONS:

Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health

INTERNATIONAL ORGANIZATION COLLABORATION

Global Alignment of Immunization Safety Assessment in pregnancy (GAIA), Brighton Collaboration, Coordinator for congenital anomalies and microcephaly work groups

- GAIA is a 2 year project, coordinated by the Brighton Collaboration Foundation which aims to improve data generated for strengthening programs of immunization in pregnancy by harmonizing maternal, pregnancy, fetal, and neonatal health outcome assessment with specific focus on Low and Middle Income Countries (LMIC).
- Participated in monthly conference calls with a global network of volunteer experts tasked with creating case definitions for both congenital anomalies and microcephaly related to maternal immunization
- Assisted with the writing and revisions of manuscripts outlining the groups' case definitions which will be published in the journal *Vaccine*

RESEARCH EXPERIENCE

University of Minnesota, Department of Internal Medicine and Pediatrics, Minneapolis, MN Medical Residency Researcher, Fall 2011–June 2013

- Conducted an IRB approved study investigating asymptomatic transaminitis in newly resettled refugees in St. Paul, MN
- Presented the initial results of the study at the North American Refugee Healthcare Conference in Rochester, NY in June 2012.

HealthPartners, Regions Hospital, St. Paul, MN

Medical Residency Researcher, Spring 2011

- Worked with a group of internal medicine residents to design and complete a quality improvement project studying the use of procalcitonin at Regions Hospital, specifically the use of test results to change antibiotic prescribing patterns among physicians
- Communicated the project results during a morning report session for medical students, residents, and faculty members
- Presented the results as a poster-presentation during the MN-ACP conference in 2011

University of Minnesota, School of Public Health, Minneapolis, MN

Public Health Student Researcher, Spring 2008

- Conducted a study of the return on investment of the Simpson Housing Services, Inc. "Single Adults Residential Assistance" (SARA) program
- Reviewed the medical and public records of a cohort of participants in the SARA program to determine if participation in the SARA program changed the utilization of Hennepin County resources such as hospital admissions or visits to the emergency department at Hennepin County Medical Center (HCMC), Hennepin County correctional facility stays or detox center use by participants

Faith Alive Foundation Hospital, Jos, Nigeria

Medical Student Researcher, Fall 2006–June 2007

- Extracted medical chart data of patients started on antiretroviral therapy in Jos, Nigeria
- Examined demographic factors associated with more rapid progression of HIV/AIDS to death

Boston College, Biology Department, Chestnut Hill, MA

Undergraduate Researcher, Fall 2002–Spring 2003

- Worked with Dr. Marc Muskavitch and Dr. John Roche
- Studied the temporal spread of the West Nile Virus in the United States
- Analyzed articles from major newspapers in the United States and Canada (1998-2002) to determine the extent to which articles presented information related to antibiotic resistance.
- Reported on improvements which could be made in the print media to increase public awareness of antibiotic resistance issues

EMPLOYMENT EXPERIENCE

Simpson Housing Services, Inc., Minneapolis, MN

Public Health Intern, Fall 2007–Spring 2008

- Taught weekly health education classes to clients in the Single Adult Residential Assistance (SARA) program.
- Executed a study of the return on investment of the SARA program.
- Volunteered with the Hennepin County Health Care for the Homeless program at the Simpson Housing men's emergency shelter doing patient intakes.
- Created an application process for use of a dental and vision grant for Simpson clients.
- Designed healthy menus for the Simpson shelter meal program.

Chrysalis, Los Angeles, CA

Employment Specialist/Case Manager, 2003–2004

- Managed a caseload of 120 clients who were actively involved in the job search process
- Partnered with clients to build individual employment plans to pursue long-term and short-term employment and life goals

HONORS AND AWARDS

- Co-recipient of the University of Minnesota Department of Medicine Global Health Pathway Global Health Scholarship and Humanitarianism Outstanding Achievement Award, 2013
- Recipient Resident Research Award at Annual Minnesota Chapter of American College of Physicians, Fall 2013
- Phi Kappa Phi Honor Society, University of Minnesota
- Paul A. and Ruth M Schilling Scholarship, Mayo Medical School
- Abbot Educational Fund Scholarship, Mayo Medical School
- Phi Beta Kappa, Boston College
- Magna Cum Laude, Boston College
- Alpha Sigma Nu National Jesuit Honor Society, Boston College
- Order of Cross and Crown Honor Society, Boston College
- Dean's Scholar, Boston College

EXTRACURRICULAR ACTIVITIES AND VOLUNTEER EXPERIENCE

Hennepin County Health Care for the Homeless, Minneapolis, MN

Volunteer Physician, February 2016–February 2018

- Perform patient evaluations for the Hennepin County Health Care for the Homeless program at the St. Stephen's men's shelter one night monthly

Twin Cities Homeless Healthcare Collaborative, Minneapolis, MN

Team Member, June 2010–June 2013

- Collaborated with an inter-agency group of medical students, medical residents, and attending physicians to raise awareness of homeless healthcare issues in the Minneapolis/St. Paul area of Minnesota
- Assisted in planning and implementation of a medical resident rotation focusing on providing healthcare to homeless individuals

Phillips Neighborhood Clinic, Minneapolis, MN

Medical Student Preceptor, January 2011–May 2013

- Volunteered as a preceptor for the student-run free clinic operated by health professional students from the University of Minnesota

Philippine-Minnesotan Medical Association Mission Trip, Cebu City, Cebu, Philippines

Medical Student Volunteer, January 2008

- Acted as part of a multi-specialty medical mission team to provided medical and surgical care to patients
- Worked in the out-patient department to diagnose and provide treatment for both acute and chronic medical conditions

Hennepin County Health Care for the Homeless, Minneapolis, MN
Homeless Shelter Clinic Volunteer, Fall 2007–May 2008

- Performed patient intakes at the Simpson Housing men's emergency shelter

Mayo Outreach to Students and Teachers (MOST) Program Volunteer, Rochester, MN
Presenter, 2005–2009

- Gave interactive age-appropriate presentations on health topics such as smoking, mental health and drug awareness, and healthy eating habits at local grade schools and high schools

Salvation Army Free Clinic, Rochester, MN

Smoking Cessation Clinic Volunteer/Coordinator, 2005–2006

- Coordinated and volunteered for the medical-student run smoking cessation program associated with the community's free medical clinic
- Assisted patients in goal setting to stay motivated through the quitting process
- Met with patients on a weekly basis to talk about their progress and setbacks and to provide patients with nicotine replacement products and other smoking cessation medications

PROFESSIONAL SOCIETY MEMBERSHIPS

- Physicians for Human Rights 2005 – 2008
- American Academy of Pediatrics 2009 – present
- American College of Physicians 2008 – present

EDUCATION

University of Minnesota, Minneapolis, MN

Global Health Course, 2013

- Completion of both online and in person global health course
- Eligible to sit for the ASTMH Tropical Medicine exam

Mayo Medical School, Rochester, MN

Doctor of Medicine (MD), May 2009

- Healer's Art Program participant
- Mayo Student Chapter of Physicians for Human Rights, co-founder

University of Minnesota School of Public Health, Minneapolis, MN

Master of Public Health (MPH), July 2008

- Concentration: Public Health Medicine

Boston College, Chestnut Hill, MA

Bachelor of Science, Biology, 2003

- College of Arts and Sciences Honors Program

PUBLICATIONS AND PRESENTATIONS (*reverse chronological order*)

1. Thompson ND, Penna A, Eure TR, Bamberg WM, Barney G, Barter D, Clogher P, **DeSilva MB**, Dumyati G, Epton E, Frank L, Godine D, Irizarry L, Kainer MA, Li L, Lynfield R, Mahoehtney JP, Nadle J, Ocampo V, Perry L, Ray SM, Davis SS, Sievers M, Wilson LE, Zhang AY, Stone ND, Magill SS. Epidemiology of Antibiotic Use for Urinary Tract Infection in Nursing Home Residents. J Am Med Dir Assoc. 2020 Jan;21(1):91-96. Epub 2019 Dec 9. PubMed PMID: 31822391.

2. **DeSilva MB**, Styles T, Basler C, Moses FL, Husain F, Reichler M, Whitmer S, McAuley J, Belay E, Friedman M, Muoghalu IS, Swaray P, Ströher U, Redd JT. Introduction of Ebola virus into a remote border district of Sierra Leone, 2014: use of field epidemiology and RNA sequencing to describe chains of transmission. *Epidemiol Infect.* 2019 Jan;147:e88. PMID: PMC6518841.
3. **DeSilva MB**, Kharbanda EO. Is Tdap the Best Prevention We Have Against Pertussis Disease? *J Adolesc Health.* 2018 Jun;62(6):639-640. PMID: 29784106.
4. **DeSilva M**, Munoz FM, Sell E, Marshall H, Kawai AT, Kachikis A, et al., for The Brighton Collaboration Congenital Microcephaly Working Group. "Congenital microcephaly: Case definition & guidelines for data collection, analysis, and presentation of safety data after maternal immunisation." *Vaccine.* 2017;35(48Part A):6472-6482. doi:10.1016/j.vaccine.2017.01.044.
5. **DeSilva M**, Vazquez-Benitez G, Nordin J, Lipkind H, Klein N, Cheetham TC, Naleway AL, Hambridge S, Lee GM, Jackson ML, McCarthy N, Kharbanda E. "Maternal Tdap vaccination and risk of infant morbidity." *Vaccine.* 2017 Jun 22;35(29):3655-3660. doi: 10.1016/j.vaccine.2017.05.041. Epub 2017 May 25.
6. **DeSilva M**, Vazquez-Benitez G, Nordin J, Lipkind H, Romitti P, DeStefano F, Kharbanda E. "Tdap vaccination during pregnancy and microcephaly and other structural birth defects in offspring." *JAMA.* 2016;316(17):1823-1825. doi:10.1001/jama.2016.14432
7. **DeSilva M**, Munoz MF, Mcmillan M, Kawai AT, Marshall H, Macartney KK, Joshi J, Onoko M, Rose AE, Dolk H, Trotta F, Spiegel H, Tomczyk S, Shrestha A, Kochhar S, Kharbanda E. "Congenital Anomalies: Case Definition & Guidelines for Data Collection, Analysis, and Presentation of Immunisation Safety Data." *Vaccine.* 2016 Jul 16. pii: S0264-410X(16)30030-5. doi: 10.1016/j.vaccine.2016.03.047.
8. **DeSilva M**, Hedberg K, Robinson B, Toevs K, Neblett Fanfair R, Petrosky E, Hariri S, Schafer S. "A case-control study evaluating the role of internet meet-up sites and mobile telephone applications in influencing a syphilis outbreak: Multnomah County, Oregon, USA 2014." *Sex Transm Infect* 2016; 0:1-6. doi:10.1136/sextrans-2015-052509
9. Petrosky E, Neblett Fanfair R, Toevs K, **DeSilva M**, Schafer S, Hedberg K, Braxton J, Walters J, Markowitz L, Hariri S. Early Syphilis Among Men Who Have Sex with Men in the US Pacific Northwest, 2008-2013: Clinical Management and Implications for Prevention. *AIDS Patient Care STDS.* 2016 Mar;30(3):134-40. PMID: PMC5018364.
10. **DeSilva MB**, Schafer S, Kendall Scott M, Robinson B, Hills A, Buser GL, Salis K, Gargano J, Yoder J, Hill V, Xiao L, Roellig D, Hedberg K. Communitywide cryptosporidiosis outbreak associated with a surface water-supplied municipal water system--Baker City, Oregon, 2013. *Epidemiol Infect.* 2016 Jan;144(2):274-84. Epub 2015 Aug 12. PMID: 26264893.
11. **DeSilva M**, Sharma A, Staples E, Arndt B, Shieh WJ, Shames J, Cieslak P; Centers for Disease Control and Prevention (CDC). Notes from the field: fatal yellow fever vaccine-associated viscerotropic disease--Oregon, September 2014. *MMWR Morb Mortal Wkly Rep.* 2015 Mar 20;64(10):279-81. PMID: PMC4584805.
12. **DeSilva MB**, Manworren J, Targonski P. Impact of a housing first program on health utilization outcomes among chronically homeless persons. *J Prim Care Community Health.* 2011 Jan 1;2(1):16-20. PMID: 23804657.
13. **DeSilva MB**, Mueller PS. Renal consequences of long-term, low-dose intentional ingestion of ethylene glycol. *Ren Fail.* 2009;31(7):586-8. PMID: 19839855.
14. **DeSilva MB**, Merry SP, Fischer PR, Rohrer JE, Isichei CO, Cha SS. Youth, unemployment, and male gender predict mortality in AIDS patients started on HAART in Nigeria. *AIDS Care.* 2009 Jan;21(1):70-7. PMID: PMC2849645.

15. **DeSilva MB**, Fischer PR. Mentoring between continents: a conversation. *Ambul Pediatr.* 2008 Jul-Aug;8(4):216-8. PMID: 18644544.
16. **DeSilva M**, Muskavitch M, Roche J. Print Media Coverage of Antibiotic Resistance. *Sci Commun.* 2004 Sep;26(1): 31-4.

Presentations

1. **DeSilva M**, Moore N, Thai D, Grimm MB, Sabuwala N, Brueshaber M, Gordon S, Andersen L, Hall V, Buuck S, Hickman C, Silk B, Raz K, Talarico S, Wortham J, Kingdon E, Pistulka G, Guerard K, Snippes Vagnone P, Tsukayama D, Mody R, Ehresmann K. **An outbreak of multidrug-resistant tuberculosis, Minnesota 2016–2017.** Poster presentation at The 22nd Conference of The Union North America Region, 2018.
2. Martin K, Mody R, **Desilva M**, Banerjee E, Strain A, Holzbauer S, Kenyon C, McMahon M, Rota P, Gastanaduy P, Muscoplat M, Hall V, Ehresmann K. “Sorting the Wheat from the Chaff: Vaccine-Associated Rash Illness Occurring amidst a Large Measles Outbreak — Minnesota, 2017.” Oral presentation at ID Week 2017.
3. **DeSilva M**, Hedberg K, Robinson B, Toevs K, Khormooji S, Petrosky E, Markowitz L, Hariri S, Neblett-Fanfair R, Schafer S. The Role of Internet Meet-Up Sites and Mobile Device Applications in Facilitating an Early Syphilis Outbreak – Multnomah County, Oregon, 2014 [presentation]. 64th Annual EIS Conference; Spring 2015; Atlanta, GA.
4. **DeSilva M**, Schafer S, Robinson B, Buser G, Kendall M, DeBess E, Hills A, Xiao L, Hill V, Roellig D, Gronostaj M, Hedberg K. The First U.S. Cryptosporidiosis Outbreak Associated with a Surface Water–Supplied Municipal Water System in 20 Years — Baker City, Oregon 2013 [presentation]. 63rd Annual EIS Conference; Spring 2014; Atlanta, GA.
5. Schultz W, **DeSilva M**, Velders RS. Nonclassical Presentation of Transient Myeloproliferative in a Patient with Down Syndrome [poster]. Annual Meeting of the Minnesota Chapter of American College of Physicians; Fall 2013.
6. **DeSilva M**, Settgast A, Debes J, Anderson C, Stauffer W. Transaminitis in Newly Arrived Refugees to Minnesota [poster]. Annual Meeting of the Minnesota Chapter of American College of Physicians; Fall 2012
7. **DeSilva M**, Settgast A, Debes J, Anderson C, Stauffer W. Asymptomatic Transaminitis in Newly Arrived Refugees [poster]. North American Refugee Healthcare Conference; Summer 2012; Rochester, NY.
8. Chomilo N, **DeSilva M**, Jongwutiwes U, Kelly R, Reddy P, Saab A, Schaaf E, Vawter L. Procalcitonin Use at Regions Hospital [poster]. Annual Meeting of the Minnesota Chapter of American College of Physicians; Fall 2011
9. DeSilva M. Sometimes Vaccines Just Ain’t Enough: A case of immunocompromised, vaccine-derived poliomyelitis [poster]. Annual Meeting of the Minnesota Chapter of American College of Physicians; Fall 2009.
10. **DeSilva M**, Mueller PS, Genoa L. Not Your Usual Renal Failure: Spoonfuls of ____ Make the Kidneys Shut Down [poster]. Annual Meeting of the Minnesota Chapter of American College of Physicians; Fall 2008.