

Andria E. Rusk
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EDUCATION

University of Texas School of Public Health | Doctor of Philosophy in Public Health May 2015

- Honors: Delta Omega Honor Society member – nominated by faculty awarded on merit, R.J. Lorimor Memorial Scholar

Duke University | Master of Science in Global Health Dec 2011

- Honors: Duke Global Health Institute Merit Scholarship

Westmont College | Bachelor of Arts in English Language and Literature Dec 2002

- Honors: *cum laude* qualifying GPA, Provost Scholarship

PROFESSIONAL EXPERIENCE

Sul Ross State University | Chair, Dept of Health Studies, Executive Director of Public Health 2025-present

- Responsible for the development and managing of the Master of Public Health Sciences degree, and the Health Studies Department at Sul Ross State University

Rusk and Assoc. | Public Health Consultant 2023-2024

- Provided consulting services to public and private institutions on appropriate COVID and infectious disease protocols

Florida International University | Assistant Professor of Research, Program Director 2018-2022

- Program director for the Master of Public Health in Health Policy and Management degree program
- Affiliate faculty in the Consortium of Global Health at FIU
- Co-creator of the Master of Public Health program in Global Health
- PI on multiple projects in vector-borne disease treatment and control, focusing in the Latin American and Caribbean region

Dominican University of California | Program Director and Assistant Professor Global Public Health

Program 2016-2018

- Co-Creator and Program Co-Director of the Global Public Health Bachelor of Science and minor programs
- Founder of the Global Health Field Practicum program
- Nominated Teacher of the Year by students, academic year 2016-2017
- Conducted complete curricular revision, academic year 2016-2017

Population Services International | Strategic Advisor 2015-2016

- Developed communication and dissemination strategy for ACTwatch antimalarial survey program
- Crafted and published research briefs and outlet survey presentations
- Published multi-country multi-year donor and digital reports
- Conducted and validated data analysis for reporting
- Co-authored fourteen scientific journal articles reporting program findings

George Washington University, Milken Institute, Professorial Lecturer 2015

- Taught core courses in the MPH Program

University of Texas School of Public Health | Research Associate, Lecturer 2013-2015

- Conducted multi-site community health needs assessment in rural and urban areas around Houston, Texas for the St Luke's Health System
- Lectured for the Health Promotion and Behavioral Science Division on the following classes: "Theory of Reasoned Action," "Theory of Planned Behavior," "Integrative Behavior Model," "Health Belief Model," "Precede-Proceed," and "PEN-3 Model"
- Nominated for the Outstanding Teacher's Assistant Award, 2015

Duke University Hubert-Yeargan Center for Global Health | Marketing Specialist

2010-2013

- Created and executed marketing and communication strategies for the Duke University Global Health Medical Residency and Fellowship programs including website development, logo design, branding package, social media campaign, and online content
- Advised strategic development, with a new mission, vision, priorities, and refined departmental direction

Novartis | Global Head of Communications, Vaccines and Diagnostics division

2004-2010

- Created, implemented, monitored and evaluated the global communication strategy and its components
- Wrote and published internal and external releases on key health projects
- Defined key performance indicators and implemented monitoring and evaluation strategies for corporate programs and campaigns
- Managed cross-functional, cross-cultural, and international Global IT Communications team
- Member of the IT Executive Committee, IT Leadership Board, Corporate Communications Board

SKILLS, TECHNICAL APTITUDE

- Skilled in data analysis packages SPSS, STATA, and NVivo
- Experienced in geospatial analytical packages including Geoda, GWR4, ArcGIS, QGIS, and SaTScan
- Competent web developer, including Plone, RedDot, Drupal, and WordPress, with HTML experience
- Versed in enterprise content management systems including SharePoint, LotusNotes, G suite, Teams, etc.
- Experienced in learning content management systems, including Blackboard, Canvas, Blackbaud, Moodle

PUBLICATIONS

Bayles B, **Rusk A**, Chen B, Dagy K, Hummel T, Kuwada K, Morales A, Faerron C. Spatio-Temporal Trends of Cutaneous Leishmaniasis in Costa Rica. *Trans R Soc Trop Med Hyg* 2020; 0:1-3.

Bayles B, **Rusk A**, Christofferson R, Agar G, Pineda M, Chen B, Dagy K, Kelly E, Hummel T, Kuwada K, Martin S, Murrer A, Guzman C. Spatiotemporal dynamics of vector-borne disease risk varies across human land-use gradients: examining the role of agriculture, indigenous territories, and protected areas in Costa Rica. *Lancet Global Health* 2020 Apr. 1, 8:S32.

Bayles BR, Faerron Guzman C, Agar G, Chen B, Dagy K, Hummel T, Kelly E, Kuwada K, Murrer A, **Rusk A**. Anthropogenic landscapes and the spatial dynamics of vector-borne disease emergence in Costa Rica. *Am J Trop Med* 2019; 101:445-446.

Rusk A. Stretched Too Thin: An Unfortunate Reality for Global Health Faculty Directors of Experiential Learning Programs. *Diversity & Democracy, AAC&U*. 2019; 22:2-3.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Musuva A, Ejersa W, Kiptui R, Memusi D, Abwao E. The malaria testing and treatment landscape in Kenya: results from a nationally representative survey among the public and private sector in 2016. *Malar J*. 2017 Dec 21;16(1):494.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C,

Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Ujuju C, Anyanti J, Newton PN, Ntadom G. When it just won't go away: oral artemisinin monotherapy in Nigeria, threatening lives, threatening progress. *Malar J.* 2017 Dec 15;16(1):489.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Kaula H, Buyungo P, Opigo J. Private sector role, readiness and performance for malaria case management in Uganda, 2015. *Malar J.* 2017 May 25;16(1):219.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Esch K, Evance I, Fulton A, Gataaka H, Guedegbe G, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Newton PN, Hanson K, Goodman C. Do anti-malarials in Africa meet quality standards? The market penetration of non quality-assured artemisinin combination therapy in eight African countries. *Malar J.* 2017 May 25;16(1):204.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Hanson K, Goodman C. Testing times: trends in availability, price, and market share of malaria diagnostics in the public and private healthcare sector across eight sub-Saharan African countries from 2009 to 2015. *Malar J.* 2017 May 19;16(1):205.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Michael D, Mkunde SP. The malaria testing and treatment landscape in mainland Tanzania, 2016. *Malar J.* 2017 Apr 24;16(1):202.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk

T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Phok S, Phanalasy S, Thein ST, Likhitsup A. Private sector opportunities and threats to achieving malaria elimination in the Greater Mekong Subregion: results from malaria outlet surveys in Cambodia, the Lao PDR, Myanmar, and Thailand. *Malar J.* 2017 May 2;16(1):180.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Zinsou C, Cherifath AB. The malaria testing and treatment landscape in Benin. *Malar J.* 2017 Apr 26;16(1):174.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Tougher S, Hanson K, Goodman C. What happened to anti-malarial markets after the Affordable Medicines Facility-malaria pilot? Trends in ACT availability, price and market share from five African countries under continuation of the private sector co-payment mechanism. *Malar J.* 2017 Apr 25;16(1):173.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Phok S, Lek D. Evidence on anti-malarial and diagnostic markets in Cambodia to guide malaria elimination strategies and policies. *Malar J.* 2017 Apr 25;16(1):171.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Thein ST, Khin HSS, Thi A. Anti-malarial landscape in Myanmar: results from a nationally representative survey among community health workers and the private sector outlets in 2015/2016. *Malar J.* 2017 Apr 25;16(1):129.

ACTwatch Group* (Alum A, Andrada A, Archer J, Auko E, Bates K, Bouanchaud P, Bruce M, Camilleri A, Carter E, Chapman S, Charman N, Chavasse D, Duff K, Esch K, Fulton A, Duff K, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hurley C, Isenhowe W, Kangwana B, Kabui E, Kigo G, Kyomuhangi I, Lailari A, Littrell M, Martin G, Monroe E, Ngigi J, O'Connell KA, Orford R, Ochieng C, Ongwenyi L, Poyer S, Rahariniaina J, Razafindralambo L, Riley C, Rodgers J, Shewchuk T, Smith J, Solomon T, Sudoi R, Tassiba ME, Thanel K, **Rusk**

A, Smith J, Thompson R, Toda M, Valensi MA, Vasireddy V, Whitman C), Phanalasy S. The malaria testing and treatment landscape in the southern Lao People's Democratic Republic (PDR). *Malar J.* 2017 Apr 25;16(1):169.

ACTwatch Group* (Akulayi L, Alum A, Andrada A, Archer J, Arogundade ED, Auko E, Badru AR, Bates K, Bouanchaud P, Bruce M, Bruxvoort K, Buyungo P, Camilleri A, Carter ED, Chapman S, Charman N, Chavasse D, Cyr R, Duff K, Guedegbe G, Esch K, Evance I, Fulton A, Gataaka H, Haslam T, Harris E, Hong C, Hurley C, Isenhowe W, Kaabunga E, Kaaya BD, Kabui E, Kangwana B, Kapata L, Kaula H, Kigo G, Kyomuhangi I, Lailari A, LeFevre S, Littrell M, Martin G, Michael D, Monroe E, Mpanya G, Mpasela F, Mulama F, Musuva A, Ngigi J, Ngoma E, Norman M, Nyauchi B, O'Connell KA, Ochieng C, Ogada E, Ongwenyi L, Orford R, Phanalasy S, Poyer S, Rahariniaina J, Raharinjatovo J, Razafindralambo L, Razakamiadana S, Riley C, Rodgers J, **Rusk A**, Shewchuk T, Sensalire S, Smith J, Sochea P, Solomon T, Sudoi R, Tassiba ME, Thanel K, Thompson R, Toda M, Ujuju C, Valensi MA, Vasireddy V, Whitman CB, Zinsou C), Thein ST, Khin HSS, Thi A. Insights into the availability and distribution of oral artemisinin monotherapy in Myanmar: evidence from a nationally representative outlet survey. *Malar J.* 2017 Apr 25;16(1):170.

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Rusk A, Highfield L, Wilkerson JM, Harrell M, Obala A, Amick B. Geographically-weighted regression of knowledge and behaviour determinants to anti-malarial recommending and dispensing practice among medicine retailers in western Kenya: capacitating targeted interventions. *Malar J.* 2016 Nov 21;15(1):562.

Rusk A, Highfield L, Wilkerson JM, Harrell M, Obala A, Amick B. Spatial distribution and cluster analysis of retail drug shop characteristics and antimalarial behaviors as reported by private medicine retailers in western Kenya: informing future interventions, *Intl J Health Geogr* 2016 Feb 19;15:9.

Rusk A, Goodman C, Naanyu V, Koech B, Obala A, & O'Meara WP. Expanding access to malaria diagnosis through retail shops in western Kenya: What do shop workers think? *Malar Res Treat.* 2013;2013 Article ID 398143

Rusk A, Smith N, Menya D, Obala A, Simiyu C, Otsyula B, & O'Meara WP. Does antimalarial drug knowledge predict antimalarial dispensing practice in drug outlets? A survey of medicine retailers in western Kenya. *Malar J.* 2012 Aug 6;11:263

*Authors within the ACTWatch Group are listed alphabetically, and are not reflective of level of effort in the study or manuscript development. A. Rusk contribution included data analysis, results presentation, graph and figure development, and manuscript writing. For specific contributions on individual publications, please inquire.

PRESENTATIONS

Consortium of Universities for Global Health. **Rusk A**, Bayles B, Perafan IM, Espinal C. Spatial analysis of malaria disease and socio-ecological factors associated with the distribution of malaria risk across three ecologically distinct landscapes in northwestern Colombia. Accepted for presentation, April 14, 2023.

Consortium of Universities for Global Health. **Rusk A**, Becerra F, Kidman R, Goodman M. Action to Protect Orphans and Vulnerable Children During the COVID19 Pandemic. Panel Presentation, March 31, 2022.

Global Health Consortium: 10th Annual Meeting. **Rusk A**. Tapia R, Saleh S, Ahmed N. Lecture series: Digital Health in the COVID19 era. Virtual. Panel presentation. October 9, 2021.

Consortium of Universities for Global Health. Bayles B, Guzman C, Agar G, Chen B, Daggy K, Hummel T, Kelly E, Kuwada K, Murrer A, **Rusk A**. Spatiotemporal dynamics of vector-borne disease risk varies across human land-use

gradients: Examining the role of agriculture, indigenous territories, and protected areas in Costa Rica. Washington, DC. Oral presentation. *Accepted*. Cancelled due to Coronavirus outbreak. Published in CUGH eBook 2020.

Global Health Consortium: 9th Annual Meeting. **Rusk A**. Lost in space: How GeoHealth can help us find our way. Miami, FL. Plenary presentation. May 8, 2019.

Global Health Consortium: 9th Annual Meeting. **Rusk A**. Beyond the mosquito: Mapping anthropogenic risk factors. Miami, FL. Oral presentation. May 7, 2019.

Association of Schools and Programs of Public Health: Annual Meeting. Bayles B & **Rusk A**. Developing an undergraduate degree program in global public health: Lessons Learned. Chicago, IL. Poster presentation. March 20, 2019.

Pan American Health Organization: **Rusk A**. Applying the GeoHealth framework to antimicrobial resistance monitoring. Washington, DC. Oral presentation. March 14, 2019.

Pan American Health Organization: **Rusk A**. Applying the GeoHealth framework to arbovirus monitoring & malaria elimination. Washington, DC. Oral presentation. March 13, 2019.

Florida International University: **Rusk A**. We have proven the Earth is flat: all we had to do is ignore the data. Guest lecture series, Robert Stempel College of Public Health and Social Work. Miami, FL. Oral presentation. Sept. 15, 2018.

Global Health Congress Oxford: **Rusk A**, Wilkerson JM, Highfield L, Harrell M, Obala A, Cavanagh T, Fruith V, Amick B, & Goodman C. Caught between a rock and a hard place: The challenge of role ambiguity and role conflict facing medicine retailers for malaria in western Kenya. Oxford University, Oxford, UK. Oral presentation. June 28, 2018.

Global Health Congress Oxford: **Rusk A**, Bayles B. Developing an Undergraduate Degree Program in Global Public Health: A Case Study. Oxford University, Oxford, UK. Poster presentation. June 29, 2018.

London School of Hygiene and Tropical Medicine: **Rusk A**, Highfield L, Wilkerson JM, Harrell M, Obala A, Amick B. Geographically-weighted regression of knowledge and behaviour determinants to anti-malarial recommending and dispensing practice among medicine retailers in western Kenya: capacitating targeted interventions. London, UK. Oral presentation. May 18, 2017.

London School of Hygiene and Tropical Medicine: **Rusk A**, Highfield L, Wilkerson JM, Harrell M, Obala A, Amick B. Spatial distribution and cluster analysis of retail drug shop characteristics and antimalarial behaviors as reported by private medicine retailers in western Kenya: informing future interventions. London, UK. Oral presentation. May 18, 2017.

Teaching Global Health Summer Institute: Undergraduate Curriculum and Course Design. Bayles B & **Rusk A**. Developing an undergraduate degree program in global public health: A case study. Meadville, PA. Poster presentation. June 20, 2017.

American Public Health Association: 141st Annual Meeting & Exposition. **Rusk A**, Smith N, Menya D, Obala A, Simiyu C, Otsyula B, O'Meara WP. Expanding access to malaria diagnosis through retail shops in western Kenya: What do shop workers think? Boston, MA. Poster presentation. November 3, 2013.

University of Texas Medical Branch: Global Health Education Symposium. Does anti-malarial drug knowledge predict antimalarial dispensing practice in drug outlets? A survey of medicine retailers in western Kenya. **Rusk A**, Smith N, Menya D, Obala A, Simiyu C, Otsyula B, O'Meara WP. University of Texas Medical Branch. Galveston, TX. Poster presentation. October 17, 2012.

University of Texas Medical Branch: Global Health Education Symposium. The perceptions of challenges and benefits to implementing rapid diagnostic tests for malaria among medicine retailers in western Kenya. **Rusk A**,

Goodman C, Naanyu V, Obala A, Simiyu C, Otsyula B, O'Meara WP. University of Texas Medical Branch. Galveston, TX. Poster presentation. October 17, 2012.

OTHER MEDIA

Interviewed by Alex Harris for *The Miami Herald*. "Brain-eating amoeba. Flesh-eating bacteria. Climate change will raise Florida's risks". August 1, 2019. Available at <https://www.miamiherald.com/news/local/environment/article233259169.html>

Interviewed by Leslie Young for *Global News Canada*. "Massachusetts killing mosquitoes to prevent spread of deadly EEE virus". August 9, 2019. Available at <https://globalnews.ca/news/5746961/what-is-eee-virus/>

Interviewed by Fred Grimm for *Sun Sentinel*. "Florida up first when global warming's killer bugs invade America". August 22, 2019. Available at <https://www.sun-sentinel.com/opinion/commentary/fl-op-com-grimm-florida-bugs-global-warming-20190822-7457plczl5b3reujjbsgxqwf4-story.html>

Interviewed for live webinar by Saif Ishoof, Vice President of Engagement on behalf of FIUs *305 Cafecito Chat*. Episode 040920 "Corona Curious Series: Wearing Masks and Flattening the Curve". April 10, 2020. Available at <https://www.facebook.com/watch/?v=542681163343110>

Interviewed by Zee Krstic for *Good Housekeeping Magazine*. "Is it safe to stay in a hotel? How to lower COVID19 risks while traveling". June 16, 2020. Available at <https://www.goodhousekeeping.com/health/a32859542/is-it-safe-to-stay-hotels-coronavirus/>

Interviewed by Zee Krstic for *Good Housekeeping Magazine*. "Is it safe to rent an Airbnb? How to lower COVID19 risks vacation homes". June 19, 2020. Available at <https://www.goodhousekeeping.com/health/a32774680/is-it-safe-to-rent-airbnb-vacation-home/>

Interviewed by Katie Camero for *The Miami Herald*. "The coronavirus actually wants infected people to stay alive". July 6, 2020. Available at <https://www.miamiherald.com/news/coronavirus/article244027057.html>

Interviewed by Katie Camero for *The Miami Herald*. "Summer heat won't kill the coronavirus, but it can change it, experts say". July 7, 2020. Available at <https://www.miamiherald.com/news/coronavirus/article244061937.html>

Interviewed by Katie Camero for *The Miami Herald*. "Scientists trace more contagious COVID-19 mutation to see how it dominated the world". July 8, 2020. Available at <https://www.miamiherald.com/news/coronavirus/article244093332.html>

Interviewed by Kathryn Mayer for *POPSUGAR*. "Is it safe to stay in a hotel during COVID-19? Here's what the experts have to say". July 8, 2020. Available at <https://www.popsugar.com/smart-living/is-it-safe-to-stay-at-hotel-during-covid-19-47600373>

Interviewed by Harriett Wallace, with *FOX17 News*. "Alcohol loophole allows "transpotainment" to keep rolling through Nashville". July 29, 2020. Available at <https://fox17.com/news/local/alcohol-loophole-allows-transpotainment-to-keep-rolling-through-nashville>

PROFESSIONAL CONTRIBUTION AND MEMBERSHIPS

Planetary Health Alliance Individual Member	2021-present
CUGH Board Committee Member	2018-2021
CUGH Individual Member	2014-present
APHA Member	2013-present
Delta Omega Honor Society Member	2012-present

ASPPH Member	2011-present
PLoS Computational Biology Reviewer	2018-present
PLoS One Reviewer	2018-present
PLoS Neglected Tropical Diseases Reviewer	2019-present
International Journal of Health Geographics Reviewer	2017-present
Malaria Journal Reviewer	2012-present

RESEARCH SUPPORT

GDSD-014200, Sanofi | Rusk, Andria (PI) 2020-2023
Application of the GeoHealth Framework to malaria elimination efforts in Latin America and the Caribbean
Role: PI

8000011449, Pfizer | Espinal, Carlos (PI) 2018-2020
Fostering Antimicrobial Resistance Programs (AMR) in Latin America and the Caribbean (LAC)
Accelerating the implementation of National AMR programs by strengthening the current national AMR policy
Role: Co-Investigator

University of Texas Health Science Center at Houston | Rusk, Andria (PI) 2014-2015
Geographic distribution of antimalarial diagnostic and treatment access in Western Kenya; Capacitating targeted interventions
Role: PI

A0497, Duke Global Health Institute | Rusk, Andria (PI) 2011-2013
Expanding access to malaria diagnosis through retail drug shops in Western Kenya
Role: PI

GRANTS AND AWARDS

Faculty Research Award | Dominican University of California 2017

Houston Global Health Award | Houston Global Health Collaborative 2015

UTSPH Dean Award | University of Texas, School of Public Health 2014, 2015

R.J. Lorimor Memorial Scholarship | University of Texas, School of Public Health 2013, 2014

Student Association Award | University of Texas, School of Public Health 2013

Health Promotion Student Award | University of Texas, School of Public Health 2013

Global Health Award | University of Texas, School of Public Health 2012

Outstanding New Student Award | University of Texas, School of Public Health 2012, 2013

Duke University Research Grant | Duke University 2011

Duke University Merit Award | Duke University 2010, 2011

COMMUNITY AND VOLUNTEER SERVICE

Compassion International | **Colorado Springs, Colorado** February 2014-present
Partner

- Financial partner with child-advocacy group that provides medical care, health services, education, and basic needs to 1.2 million children in 26 countries

WorldVision International | Uxbridge, UK

January 2019-present

Partner

- Financial partner with child-advocacy group that tackles the causes of child poverty and injustice for 3.5 million children in 100 countries

Hand of Hope | Houston, Texas

August 2013-present

Partner

- Financial partner with humanitarian aid organization that brings relief through 46 support organizations worldwide

American Red Cross | Redding, California

July 2018-September 2018

Carr Fire Volunteer

- Daily volunteer with Red Cross disaster recovery, supply, and meal distribution in response to the Carr fires of Trinity and Shasta counties

Bayou City Fellowship | Houston, Texas

January 2014-May 2015

Volunteer

- Weekly volunteer for a Houston-based Christian church dedicated to global outreach focused on orphans and vulnerable children in economic, social, and physical poverty

Global Public Health Brigades | Estelí, Nicaragua

March 2014

Volunteer on public health infrastructure and education project

- Executed public health infrastructure projects: built water and sanitation facilities, infectious disease prevention projects, household improvement projects
- Community outreach: conducted public health education courses in local elementary schools
- Public Health Research: conducted household surveys in rural communities focused on health behaviors, infectious disease incidence, chronic disease surveying, living conditions, women's health, and household demographic indicators

The University of Texas School of Public Health | Houston, Texas

Aug 2012-Aug 2014

Vice President of the Student Society for Global Health

- Planned and executed the 8th and 9th Annual Fundraiser Events
- Organized panel discussion on human trafficking with panelists from Rescue and Restore Coalition, Rice University, Free the Captives, the Harris County Sheriff's Office, and The University of Texas
- Represented global health at the university and within the Texas Medical Center in student activities, functions, and conferences

Houston Global Health Collaborative | Houston, Texas

May 2012-Aug 2014

Director of Marketing and Brand Management

- Member of the first planning committee for the Houston Global Health Collaborative – the first cross-institutional Global Health interest group in Houston. The collaborative is student-founded, student-led, to promote student research, education, and service experiences and opportunities.
- Supported the planning and execution of the first-ever Global Health Conference in Houston.

Sally Test Children's Center | Eldoret, Kenya

May 2011-Aug 2011

PECS Communication trainer with pediatric patient at Moi Teaching and Referral Hospital

- Began picture exchange communication system (PECS) training with 18 month old cerebral palsy patient
- Trained facility staff on PEC system to carry on communication development for child

Shirley's Orphanage | Eldoret, Kenya

May 2011-Aug 2011

Volunteer in planning and development for sustainable support

- Conducted needs assessment with orphanage facilitators and educators
- Coordinated sponsorship for initiation project

- Monitored project development and key success indicators

Habitat for Humanity | Durham, NC

Nov 2010

Volunteer

- Participated in home-build project for rural community in North Carolina

Igreja Presbiteriana de Manaus | Manaus, Brazil

April 2009

Volunteer medical mission to the Amazonas region of Brazil

- Provided healthcare and medicine access to villages along the Amazon and Rio Negra rivers
- Built relationships between local mission organizers and Novartis country heads to provide sustainable medicine access to the region, involving the Brazilian Ministry of Health and government departments of community outreach

East Bay AIDS Center | Berkeley, CA

Jan 2008

Fundraising event planner volunteer

East Bay Regional Parks Center | Contra Costa, CA

Feb 2008

Cleanup volunteer

Circus Center Children's Program | San Francisco, CA

Nov 2007

Fundraising event planner volunteer

Family Emergency Shelter Coalition | Hayward, CA

Dec 2004-Dec 2006

Fundraising event planner volunteer

Santa Barbara City College | Santa Barbara, CA

May 2001-Aug 2001

Teaching volunteer