

Curriculum Vitae

Professor Thom Eisele, Ph.D.

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Education

PhD (Epidemiology), Department of International Health and Development, Tulane School of Public Health and Tropical Medicine, New Orleans, Louisiana 5/2003

MPH (Monitoring and Evaluation focus), Department of International Health and Development, Tulane School of Public Health and Tropical Medicine, New Orleans, Louisiana 12/1999

BA (Psychology), University of Texas, Austin, Texas 5/1992

Professional Experience

Director (3/2013 – present): Center for Applied Malaria Research and Evaluation (CAMRE <https://sph.tulane.edu/camre>), Tulane Celia Scott Weatherhead School of Public Health and Tropical Medicine, New Orleans, LA. Director responsible for overall vision and direction of the center activities and research portfolio.

Professor (7/2015 – present): Joint appointment in the Department of Tropical Medicine and the Department of International Health and Sustainable Development, Tulane Celia Scott Weatherhead School of Public Health and Tropical Medicine, New Orleans, LA. Tenured faculty position responsible for research, teaching and service in Tropical Medicine and International Public Health.

Adjunct Professor (7/2015 – present): Department of International Health, John Hopkins Bloomberg School of Public Health, Baltimore MD.

Associate Professor (7/2010 – 7/2015): Department of Global Health Systems and Development, Tulane Celia Scott Weatherhead School of Public Health and Tropical Medicine, New Orleans, LA. Tenured faculty position responsible for research, teaching and service in International Public Health.

Assistant Professor (10/2006 – 7/2010): Department of International Health and Development, Tulane Celia Scott Weatherhead School of Public Health and Tropical Medicine, New Orleans, LA. Tenure-track faculty position responsible for research, teaching and service in International Public Health.

Research Assistant Professor (1/2004 – 9/2006): Department of International Health and Development, Tulane Celia Scott Weatherhead School of Public Health and Tropical Medicine, New Orleans, LA. Non-tenure track faculty position responsible for research, teaching and service in International Public Health.

Mortality Surveillance Section Coordinator (NCID Fellowship 10/2000 – 5/2002): Centers for Disease Control and Prevention, National Center of Infectious Diseases, Division of Parasitic Diseases, Malaria Branch, Kisumu Kenya. Responsible for investigating the impact of sustained insecticide-treated mosquito net use on all-cause child mortality.

Peace Corps Volunteer (6/1995 – 9/1997): U.S. Peace Corps, Gabon.

Honors and Awards

- Recipient of the Tulane University Carol Lavin Bernick Faculty Grant (2020)
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- Faculty at the 5th edition of the Science of Eradication Malaria Leadership Development Course, Barcelona Spain (2016)
- Invited speaker at the scientific meeting Challenges in Malaria Research: Core Science and Innovation, Oxford, UK (2014)
- Recipient of 3 NIH Loan Repayment Program awards (2008 - 2014)
- Delta Omega Honorary Society in Public Health (2004)
- Recipient of the Tulane University Research Enhancement Fund (2006)

Professional Memberships, Boards and Offices

- Member of the American Society of Tropical Medicine and Hygiene Burroughs Wellcome Fund Fellowship Committee (2020 – present)
- Member of the American Society of Tropical Medicine and Hygiene Program Committee for Malaria Elimination (2020 – present)
- Chair of the American Society of Tropical Medicine and Hygiene Donald Krogstad Award Committee (2021 –2024)
- Member of the American Society of Tropical Medicine and Hygiene (since 2003)
- Board member of the New Orleans Albert Schweitzer Fellowship Program (20010 – 2011)
- Board Chair of the New Orleans Albert Schweitzer Fellowship Program (2007 – 2009)

Editorial Boards

- Editorial Board member for Frontiers in Epidemiology journal (2021 = present)
- Editorial Board member for the Public Library of Science (PLoS) One journal (20104 – 2015)

International Committees, Scientific Panels and Advisory Boards

- Malaria Focal Point for the Global Fund Technical Review Panel (2000 – 2024)
 - Member of the Trial Steering Committee of the Adjunctive Ivermectin Mass Drug Administration for Malaria Control on the Bijagos Archipelago of Guinea Bissau: A Cluster-randomized Placebo-controlled Trial (2021 – 2024)
 - Member of the Core Advisory Group for the Bill, Melinda Gates Foundation IMPROVE Coverage Measurement Project (2017 – 2021)
 - Member of the RBM Surveillance Monitoring and Evaluation Reference Group (2004 – present)
 - Invited presenter at the WHO Evidence Review Group on Mass Drug Administration (Geneva, Switzerland 2018)
 - Member of the WHO Evidence Review Group on Mass Drug Administration and Mass Testing Treatment Strategies (Geneva, Switzerland 2012 – 2014)
 - Member of the Core Advisory Group for the Bill, Melinda Gates Intervention Coverage Measurement Project (2013 – 2017)
 - Member of the Gates Malaria Eradication Research Agenda Refresh Group (MalERA Refresh) (2015 – 2016)
 - Member of the WHO Surveillance, Monitoring and Evaluation Technical Expert Group (Geneva, Switzerland 2014 – 2016)
 - Member of the WHO Evidence Review Group on Malaria Burden Estimation (Geneva, Switzerland 2012 – 2014)
 - Member of the WHO Evidence Review Group on Case Management (Geneva, Switzerland 2013)
 - Invited presenter to the WHO Evidence Review Group on Malaria in Pregnancy (Geneva, Switzerland 2013)
 - Advisory Board member for the Bill, Melinda Gates Foundation ACTwatch study (2010-2015)
 - Malaria Expert Group Member on the WHO Child Health Epidemiology Reference Group (2009 – 2013)
 - Member of the Gates Malaria Eradication Research Agenda Group (MalERA) (2010 – 2012)
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Selected Consultancies

- IOD Parc, 2022 – 2023: Provided expertise in malaria for Enhanced Portfolio Reviews for Global Fund investments in focused countries.
- World Health Organization, 2017: Developed a draft surveillance protocol for measuring HRP2 gene deletion of *P. falciparum* parasites.
- Medicines for Malaria Ventures (MMV), 2013: Estimated protective efficacy of ACTs, CQ and SP for preventing child malaria deaths, estimated yearly ACT coverage 2011-2011, and estimated the child deaths prevented from ACT scale-up over this period.
- World Bank, 2011: Lead external evaluation of the Exxon-Mobil Trust Fund for strengthening malaria M&E in Nigeria, Zambia, DRC, Benin and Senegal.
- World Bank, Tanzania, 2009: Develop a strategic framework to guide the cross-sector work on public health linkages to urban and local government sector projects in the context of the Tanzania World bank portfolio.
- John Hopkins University, Bloomberg School of Public Health, Center for Communication Programs, 2008: Commissioned to do a systematic review and report on evidence for effective ITN use promotion strategies and multi-country analysis of the gap between ITN household possession and use.
- World Bank, Madagascar, 2008: Advised on integration of malaria control activities into Bank-funded sector-wide child health program.
- Global Fund to Fight AIDS TB and Malaria, Addis Ababa, 2006: Developed an impact evaluation plan for the Ethiopian national malaria control program.

Teaching

Graduate Courses Taught at Tulane University

- IHSD 7440- Household Sampling Applications in Developing Countries (2004 – present): Developed and currently teach this 3-credit upper-level graduate course in the Department of Tropical Medicine for masters and doctoral students in the School of Public Health and Tropical Medicine. The course focuses on the design, methods and analysis of household survey in low and middle income countries without adequate sampling frames.
- TRMD 7420: Population Based Malaria Prevention and Control (2011 – present): Collaboratively developed and currently guest lecture in this 3-credit upper-level graduate course in the Department of Tropical Medicine for masters and doctoral students in the School of Public Health and Tropical Medicine (Dr. Josh Yukich is the course instructor). The course is designed to provide students with basic biological, epidemiological, entomological, and social science concepts, paradigms, and policies underlying the collection and use of population-based data for the prevention and control of malaria infection and disease.
- INHL 605- Principles for Policy and Programs in Population, Health and Nutrition in Developing Countries (2007 – 2010): Co-taught this required 2-credit, graduate-level course for all masters and doctoral students within the Department of International Health and Development in the School of Public Health and Tropical Medicine (co-taught with Dr. John Mason). Course focused on design of policies and programs in health, population and nutrition programs in low and middle-income countries.
- IDEV 691: Methods of Evaluation (2008): Developed and taught this 3-credit, graduate level course in the Payson Center for International Development and Technology Transfer at Tulane University. The course aimed to provide students with an understanding of the basic concepts, principles, and practices in monitoring and evaluation of public health and development programs.
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Selected External Lectures / Seminars

Seminar on Mapping and Data Visualization for Malaria Elimination, 5th edition of the Science of Eradication Malaria Course, Barcelona Spain, 6/2016

Seminar series in advanced quantitative methods, University of Rwanda School of Public Health, Kigali, Rwanda, 7/2006

Seminar series in advanced research methods, University of Rwanda School of Public Health, Kigali, Rwanda, 7/2007

Seminar series in malaria program monitoring and evaluation, University of Rwanda School of Public Health, Kigali, Rwanda, 8/2008 and 8/2009

Publications**Peer-reviewed Research Papers**

A complete list of my publications on PubMed (NCIB) can be found at <https://www.ncbi.nlm.nih.gov/myncbi/thomas.eisele.1/bibliography/public/>

1. Kyomuhangi I, Yukich J, Saili K, Orange E, Masuzyo MH, Mwenya M, Mambo P, Hamainza B, Wagman J, Miller J, Chanda J, Silumbe K, Littrell M, **Eisele TP**, Ashton RA. 2024. Evaluating trends in damage to attractive targeted sugar baits (ATSBs) deployed during the second year of a two-year Phase III trial in Western Zambia. *Malar J*;23(1):263.
 2. Orange E, Arnzen A, Muluma C, Akalalambili S, Tobolo T, Ndalama F, Chishya C, Saili K, Ashton RA, **Eisele TP**, Yukich J, Kyomuhangi I, Miller J, Silumbe K, Chanda J, Hamainza B, Wagman J, Slutsker L, Burkot TR, Littrell M. 2024. Community acceptance of a novel malaria intervention, Attractive Targeted Sugar Baits, in the Zambia phase III trial. *Malar J*. 23(1):240.
 3. Wagman J, Chanda B, Chanda J, Saili K, Orange E, Mambo P, Muyabe R, Kaniki T, Mwenya M, Ng'andu M, Sakala J, Ngulube W, Miller J, Arnzen A, Silumbe K, Mwaanga G, Simubali L, Mungo A, Mburu MM, Simulundu E, Mambwe B, Kasaro R, Mulube C, Mwenda M, Hamainza B, Ashton RA, **Eisele TP**, Harris AF, Entwistle J, Yukich J, Slutsker L, Burkot TR, Littrell M. 2024. Entomological effects of attractive targeted sugar bait station deployment in Western Zambia: vector surveillance findings from a two-arm cluster randomized phase III trial. *Malar J*. 18;23(1):214.
 4. Orange E, Kyomuhangi I, Masuzyo M, Mwenya M, Mambo P, Saili K, Chishya C, Chanda J, Ashton RA, **Eisele TP**, Yukich J, Miller J, Silumbe K, Hamainza B, Wagman J, Arnzen A, Harris AF, Entwistle J, Slutsker L, Burkot TR, Littrell M. 2024. Deployment of attractive targeted sugar baits in western Zambia: installation, monitoring, removal, and disposal procedures during a Phase III cluster randomized controlled trial. *Malar J*. 23(1):204.
 5. Arnzen A, Wagman J, Chishya C, Orange E, **Eisele TP**, Yukich J, Ashton RA, Chanda J, Sakala J, Chanda B, Muyabe R, Kaniki T, Mwenya M, Mwaanga G, Eaton WT, Mancuso B, Mungo A, Mburu MM, Bubala N, Hagwamuna A, Simulundu E, Saili K, Miller JM, Silumbe K, Hamainza B, Ngulube W, Moonga H, Chirwa J, Burkot TR, Slutsker L, Littrell M. 2024. Characteristics of the Western Province, Zambia, trial site for evaluation of attractive targeted sugar baits for malaria vector control. *Malar J* 18;23(1):153.
 6. Yukich J, **Eisele TP**, terKuile F, Ashton R, Staedke S, Harris AF, Johnson PCD, Sarrassat S, Lesosky M, Bradley J, Kleinschmidt I, Littrell M. 2023. Master statistical analysis plan: attractive targeted sugar bait phase III trials in Kenya, Mali, and Zambia. *Trials* 24(1):771.
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7. Hamre KES, Dismar AM, Rogier E, van den Hoogen LL, Williamson J, Kishore N, Travers A, McGee K, Pierre B, Fouché B, Impoinvil D, Holmes K, Stresman G, Druetz T, **Eisele TP**, Drakeley C, Lemoine JF, Chang MA. 2023. Spatial Clustering and Risk Factors for Malaria Infections and Marker of Recent Exposure to Plasmodium falciparum from a Household Survey in Artibonite, Haiti. *Am J Trop Med Hyg* 109(2):258-272.
8. Chang MA, Impoinvil D, Hamre KES, Dalexis PE, Mérielien JB, Dismar AM, Fouché B, Desir L, Holmes K, Lafortune W, Herman C, Rogier E, Noland GS, Young AJ, Druetz T, Ashton R, **Eisele TP**, Cohen J, van den Hoogen L, Stresman G, Drakeley C, Pothin E, Cameron E, Battle KE, Williamson J, Telfort MA, Lemoine JF. 2023. Acceptability, Feasibility, Drug Safety, and Effectiveness of a Pilot Mass Drug Administration with a Single Round of Sulfadoxine-Pyrimethamine Plus Primaquine and Indoor Residual Spraying in Communities with Malaria Transmission in Haiti, 2018. *Am J Trop Med Hyg* 108(6):1127-1139.
9. Ashton RA, Hamainza B, Lungu C, Rutagwera MI, Porter T, Bennett A, Hainsworth M, Burnett S, Silumbe K, Slater H, **Eisele TP**, Miller JM. 2023. Effectiveness of community case management of malaria on severe malaria and inpatient malaria deaths in Zambia: a dose-response study using routine health information system data. *Malar J* 22(1):96.
10. Yukich JO, Hutchinson P, Candrinho B, Butts J, Murimirigua F, **Eisele TP**, Zulliger R. 2022. Ideational factors and their association with insecticide treated net use in Magoe District, Mozambique. *Malar J* 21(1):387.
11. Eisele, ATSB Trial Group. 2022. Attractive targeted sugar bait phase III trials in Kenya, Mali, and Zambia. *Trials* 23(1):640.
12. Druetz T, van den Hoogen L, Stresman G, Joseph V, Hamre KES, Fayette C, Monestime F, Presume J, Romilus I, Mondélus G, Elismé T, Cooper S, Impoinvil D, Ashton RA, Rogier E, Existe A, Boncy J, Chang MA, Lemoine JF, Drakeley C, **Eisele TP**. 2022. Etramp5 as a useful serological marker in children to assess the immediate effects of mass drug campaigns for malaria. *BMC Infect Dis* 22(1):643.
13. Druetz T, Stresman G, Ashton RA, Joseph V, van den Hoogen L, Joseph V, Warges M, Hamre KE, Fayette C, Monestime F, Impoinvil D, Roge E, Chang MA, Lemoine JF, Drakeley C, **Eisele TP**. 2022. The Immediate Effects of a Combined Mass Drug Administration and Indoor Residual Spraying Campaign to Accelerate Progress towards Malaria Elimination in Grande-Anse, Haiti. *J Inf Dis* 225(9):1611-20.
14. van den Hoogen LL, Herman C, Prémumé J, Romilus I, Mondélus G, Elismé T, Existe A, Boncy J, Joseph V, Stresman G, Tetteh KKA, Drakeley C, Chang MA, Lemoine JF, **Eisele TP**, Rogier E, Ashton RA. 2021. Rapid Screening for Non-falciparum Malaria in Elimination Settings Using Multiplex Antigen and Antibody Detection: Post Hoc Identification of Plasmodium malariae in an Infant in Haiti. *Am J Trop Med Hyg* 104(6):2139-45.
15. Keating J, Yukich JO, Miller JM, Scates S, Hamainza B, **Eisele TP**, Bennett A. 2001. Retrospective evaluation of the effectiveness of indoor residual spray with pirimiphos-methyl (Actellic) on malaria transmission in Zambia. *Malar J* 20(1):173.
16. Sitali L, Mwenda MC, Miller JM, Bridges DJ, Hawela MB, Hamainza B, Mudenda-Chilufya M, Chizema-Kawesha E, Daniels R, **Eisele TP**, Nerland AH, Chipeta J, Lindtjorn B. 2001. Data on selected antimalarial drug resistance markers in Zambia. *Data Brief* 34:106650.
17. Druetz T, Stresman G, Ashton RA, van den Hoogen L, Joseph V, Fayette C, Monestime F, Hamre KE, Chang MA, Lemoine JF, Drakeley C, **Eisele TP**. 2020. Programmatic options for monitoring malaria in elimination settings: Easy access group surveys to investigate Plasmodium falciparum epidemiology in two regions with differing endemicity in Haiti. *BMC Medicine* 18 (1):1-14.
18. Ashton R, Joseph V, van den Hoogen L, Tetteh K, Stresman G, Worges M, Druetz T, Chang M, Rogier E, Lemoine JF, Drakeley C, **Eisele TP**. 2020. Risk factors for malaria infection and seropositivity in the elimination area of Grand'Anse, Haiti: A case control study among febrile individuals seeking treatment at public health facilities. *Am J Trop Med Hyg* 103(2):767-77.

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19. **Eisele TP**, Bennett A, Silumbe K, Finn TP, Porter TR, Chalwe V, Kamuliwo M, Hamainza B, Moonga H, Kooma E, Chizema-Kawesha E, Kamuliwo M, Yukich J, Keating J, Schneider K, Conner RO, Earle D, Slutsker L, Steketee RW, Miller JM. 2020. Impact of 4 Rounds of Mass Drug Administration with Dihydroartemisinin-piperazine Implemented in Southern Province, Zambia. *Am J Trop Med Hyg* 103(2_Suppl).
 20. Finn T, Yukich J, Bennett A, Porter TR, Lungu C, Hamainza B, Chizema-Kwasha E, Conner R, Silumbe K, Steketee WR, Miller JM, Keating J, **Eisele TP**. 2020. Treatment Coverage Estimation for Mass Drug Administration for Malaria with Dihydroartemisinin-Piperazine in Southern Province, Zambia. *Am J Trop Med Hyg* 103(2_Suppl).
 21. Finn T, Porter TR, Moonga H, Silumb K. Daniels RF, Volkman S, Yukich J, Keating J, Bennett A, Steketee RW, Miller JM, **Eisele TP**. 2020. Plasmodium falciparum Clearance and Adherence to Mass Drug Administration of Dihydroartemisinin-piperazine in Southern Province, Zambia. *Am J Trop Med Hyg* 103(2_Suppl).
 22. Bennett A, Porter TR, Mwenda M, Yukich J, Finn TP, Lungu C, Silumbe K, Mambwe B, Chishimba S, Mulube C, Bridges D, Hamainza M, Slutsker L, Steketee RW, Miller JM, **Eisele TP**. 2020. A Longitudinal Cohort to Monitor Malaria Infection Incidence during Mass Drug Administration in Southern Province, Zambia. *Am J Trop Med Hyg* 103(2_Suppl),.
 23. Porter TR, Finn, T, Silumbe K. Chawle V. Hamainza B, Kooma E, Hawela M, Bennett A, Yuckich J, Steketee RW, Keating J, Miller JM, **Eisele TP**. 2020. Recent Travel History and Plasmodium falciparum Malaria Infection in a Region of Heterogenous Transmission in Southern Province, Zambia. *Am J Trop Med Hyg* 103(2_Suppl).
 24. Yukich J, Scott C, Silumbe K, Larson B, Bennett A, Finn T, Hamainza B, Conner RO, Porter TR, Keating J, Steketee, RW, **Eisele TP**, Miller JM. 2020. Cost-effectiveness of Focal Mass Drug Administration (fMDA) and Mass Drug Administration (MDA) with Dihydroartemisinin-piperazine (DHAP) for Malaria Prevention in Southern Province, Zambia: Results of a Community Randomized Controlled Trial. *Am J Trop Med Hyg* 103(2_Suppl).
 25. Daniels RF, Schaffner SF, Bennett A, Porter TR, Yukich JO, Mulube C, Mambwe B, Mwenda MC, Chishimba S, Bridges DJ, Moonga H, Hamainza B, Chizema-Kawesha E, Miller JM, Steketee RW, Wirth DF, **Eisele TP**, Hartl DL, Sarah K. 2020. Evidence for Reduced Malaria Parasite Population after Application of Population-level Antimalarial Drug Strategies in Southern Province, Zambia. *Am J Trop Med Hyg* 103(2_Suppl).
 26. Chishimba S, Mwenda M, Mambwe B, Mulube C, Chalwe V, Moonga H, Hamainza B, Chizema-Kawesha E, Steketee RW, Domingo G, Fraser M, Kahn M, Pal S, Silumbe K, Conner RO, Bennett A, Porter TR, **Eisele TP**, Miller JM, Bridges DJ. 2020. Prevalence of Plasmodium falciparum and Non-falciparum Infections by PET-PCR in a Longitudinal Cohort of Individuals Enrolled in a Mass Drug Administration Trial in Southern Province, Zambia. *Am J Trop Med Hyg* 103(2_Suppl).
 27. Fraser M, Miller JM, Silumbe K, Hainsworth M, Mudenda M, Hamainza B, Moonga H, Chizema-Kawesha E, Mercer LD, Bennett A, Schneider K, Slater HC, Eisele TP, Guinovart C. 2020. Evaluating the impact of programmatic mass drug administration for malaria in Zambia using routine incidence data. *J Inf Dis* [Epub ahead of print].
 28. Van Den Hoogen LL, Stresman G, Pr sum  J, Romilus I, Mond lus G, Elism  T, Existe A, Hamre RES, Ashton RA, Druetz T, Joseph V, Beeson JG, Singh SK, Boncy J, **Eisele TP**, Chang MA, Lemoine JF, Tetteh KA, Rogier E, Drakeley C. 2020. Selection of antibody responses associated with Plasmodium falciparum infections in the context of malaria elimination. *Frontiers in Immunology* 11.
 29. Stresman G, Sep lveda N, Fornace K, Grignard L, Mwesigwa J, Achan J, Miller J, Bridges DJ, Eisele TP, Mosha J, Lorenzo PJ, Macalinao ML, Espino FE, Tadesse F, Stevenson JC, Quispe AM, Siqueira A, Lacerda M, Yeung S, Sovannarothe S, Pothin E, Gallay J, Hamre KE, Young A, Lemoine JF, Chang MA, Phommasone K, Mayxay M, Landier J, Parker DM, Von Seidlein L, Nosten F, Delmas G, Dondorp A, Cameron E, Battle K, Bousema T, Gething P, D'Alessandro U, Drakeley C. 2020. Association between the proportion
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- of *Plasmodium falciparum* and *Plasmodium vivax* infections detected by passive surveillance and the magnitude of the asymptomatic reservoir in the community: a pooled analysis of paired health facility and community data. *Lancet Infect Dis* 20(8): 953-963.
30. Nice J, Nahusenay H, Eckert E, **Eisele TP**, Ashton RA. 2020. Estimating malaria chemoprevention and vector control coverage using program and campaign data: A scoping review of current practices and opportunities. *Journal of Global Health* 10(2).
 31. Rogier E, Herman E, Huber CS, Hamre KES, Pierre B, Mace KE, Prsum J, Mondlus G, Romilus I, Elism T, **Eisele TP**, Druetz T, Existe A, Boncy J, Lemoine JF, Udhayakumar V, Chang MA. 2020. Nationwide Monitoring for *Plasmodium falciparum* Drug-Resistance Alleles to Chloroquine, Sulfadoxine, and Pyrimethamine, Haiti, 2016–2017. *Emerg Infect Dis* 26(5): 902.
 32. Rogier E, Hamre KES, Joseph V, Plucinski MM, Presume J, Romilus I, Mondelus G, Elisme T, van den Hoogen L, Lemoine JF, Drakeley C, Ashton RA, Chang MA, Existe A, Boncy J, Stresman G, Druetz T, **Eisele TP**. 2020. Conventional and High-Sensitivity Malaria Rapid Diagnostic Test Performance in Two Transmission Settings: Haiti 2017. *J Inf Dis* 221(5): 786-795.
 33. van den Hoogen LL, Prsum J, Romilus I, Mondlus G, Elism T, Seplveda N, Stresman G, Druetz T, Ashton RA, Joseph V, **Eisele TP**, HamreKES, Chang MA, FrantzLemoine J, Tetteh KKA, Boncy J, Existe A, Drakeley C, Rogier R. 2020. Quality control of multiplex antibody detection in samples from large-scale surveys: the example of malaria in Haiti. *Scientific Reports* 10(1): 1-10.
 34. Fomba S, Kon D, Doumbia B, Diallo D, Druetz T, Florey L, **Eisele TP**, Eckert E, Mihigo J, Ashton RA. Management of uncomplicated malaria among children under five years at public and private sector facilities in Mali. *BMC Public Health* 20(1):1888.
 35. Ashton RA, Bennett A, Al-Mafazy A, Abass AK, Msellem MI, McElroy P, Katchur S.P, Ali AS, Yukich J, **Eisele TP**, Bhattarai A. 2019. Use of Routine Health Information System Data to Evaluate Impact of Malaria Control Interventions in Zanzibar, Tanzania from 2000 to 2015. *EClinicalMedicine* 12: 11-19.
 36. Rogier E, van den Hoogen L, Herman C, Gurralla K, Joseph V, Stresman G, Presume J, Romilus I, Mondelus G, Elisme T, Ashton R, Chang M, Lemoine JF, Druetz T, **Eisele TP**, Existe A, Boncy J, Drakeley C, Udhayakumar V. 2019. High-throughput malaria serosurveillance using a one-step multiplex bead assay. *Malar J* 18(1): 402
 37. Chitnis N, Pemberton Ross P, Yukich J, Hamainza B, Miller JM; Reiker T, **Eisele TP**, Smith TA. 2019. Theory of reactive interventions in the elimination and control of malaria. *Malar J* 18(1): 266.
 38. Sitali L, Miller JM, Mwenda MC, Bridges DJ, Hawela MB, Hamainza B, Chizema-Kawesha E, **Eisele TP**, Chipeta J, Lindtjrn B. 2019. Distribution of *Plasmodium* species and assessment of performance of diagnostic tools used during a malaria survey in Southern and Western Provinces of Zambia. *Malar J*. 18(1): 130.
 39. Ashton RA, Doumbia B, Diallo D, Druetz T, Florey L, Taylor C, Arnold F, Mihigo J, Kon D, Fomba S, Eckert E, **Eisele TP**. 2019. Measuring malaria diagnosis and treatment coverage in population-based surveys: a recall validation study in Mali among caregivers of febrile children under 5 years. *Malar J* 18(1): 3
 40. Greenhouse B, Daily J, Guinovart C, Goncalves B, Beeson J, Bell D, Chang MA, Cohen JM, Ding X, Domingo G, **Eisele TP**, Lammie PJ, Mayor A, Merienne N, Monteiro W, Painter J, Rodriguez I, White M, Drakeley C, Mueller I, The Malaria Serology Convening. 2019. Priority use cases for antibody-detecting assays of recent malaria exposure as tools to achieve and sustain malaria elimination. *Gates Open Research* 3: 131.
 41. Sidibe A, Maglior A, Cueto C, Chen I, Le Menach A, Chang MA, Eisele TP, Andrinopolous K, Cherubin J, Lemoine JF, Bennett A. 2019. Assessing the role of the private sector in surveillance for malaria elimination in Haiti and the Dominican Republic: a qualitative study. *Malar J* 18(1): 408.
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42. Druetz T, Andrinopoulos K, Boulos LM, Boulos M, Noland GS, Desir L, Lemoine JF, **Eisele TP**. 2018. "Wherever doctors cannot reach, the sunshine can": overcoming potential barriers to malaria elimination interventions in Haiti. *Malaria J* 17(1): 393.
 43. Carter ED, Ndhlovu M, Munos M, Nkhama E, Katz J, **Eisele TP**. 2018. Validity of maternal report of care-seeking for childhood illness. *J Glob Health* 8(1): 010602.
 44. Carter ED, Ndhlovu M, **Eisele TP**, Nkhama E, Katz J, Munos M. 2018. Evaluation of methods for linking household and health care provider data to estimate effective coverage of management of child illness: results of a pilot study in Southern Province, Zambia. *J Glob Health* 8(1): 010607.
 45. Munos MK, Blanc AK, Carter ED, **Eisele TP**, Gesuale S, Katz J, Marchant T, Stanton CK, Campbell H, Improving Coverage Measurement Group. 2018. Validation studies for population-based intervention coverage indicators: design, analysis, and interpretation. *J Glob Health* 8(2): 020804.
 46. Bennett A, Bisanzio D, Yukich JO, Mappin B, Fergus CA, Lynch M, Cibulskis RE, Bhatt S, Weiss DJ, Cameron E, Gething PW, **Eisele TP**. 2017. Population coverage of artemisinin-based combination treatment in children younger than 5 years with fever and *Plasmodium falciparum* infection in Africa, 2003-2015: a modelling study using data from national surveys. *Lancet Glob Health* 5(4): e418-e427.
 47. Cohen JM, Le Menach A, Pothin E, **Eisele TP**, Gething PW, Eckhoff PA, Moonen B, Schapira A, Smith DL, 2017. Mapping multiple components of malaria risk for improved targeting of elimination interventions. *Malaria J* 16: 459.
 48. The malERA Refresh Consultative Panel. 2017. malERA: An updated research agenda for characterising the reservoir and measuring transmission in malaria elimination and eradication. *PLoS Med* 14(11):e1002452.
 49. The malERA Refresh Consultative Panel. 2017. malERA: An updated research agenda for combination interventions and modelling in malaria elimination and eradication. *PLoS Med* 14(11): e1002453.
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Editorials and Comments in Peer-reviewed Journals

116. **Eisele TP**, Slutsker L. 2022. Insecticide-treated nets and the persistence of childhood survival gains to adulthood. *N Engl J Med* 386(5): 490.
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Books and Book Chapters

Improving Coverage Measurement (ICM) for Maternal, Newborn, and Child Health. 2018. Editors Munos MK, Arnold F, Blanc AK, Campbell H, Carter ED, **Eisele TP**, Hancioglu A, Khan S, Marchant T, Stanton CK. Inishmore Laser Scientific Publishing Ltd. Edinburgh, UK.

Haas LJ, Mock NB, **Eisele T**. 2011. *Rwanda*, in *Africa: A Practical Guide for Global Health Workers*. Editors Spielberg LA, Adams LV. Dartmouth College Press, Hanover NH.

Selected Presentations of Accepted Abstracts at Scientific Meetings

2019. Ongoing assessment of *Plasmodium falciparum* parasite prevalence in Southern Province Zambia: results from a 2019 parasite survey 3 years after a mass drug administration trial. *69th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. National Harbor, MD. (Eisele).
 - MDA and IRS in Zambia (part of accepted symposium on MDA and IRS for malaria control and elimination). *67th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. New Orleans, LA. (Eisele).
 2017. Use of routine health information systems data to evaluate impact of malaria interventions in Zanzibar during the period 2000-2015. *66th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Baltimore, MD. (Eisele presented and last author on abstract)
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4. 2016. The effectiveness, cost-effectiveness, coverage and acceptability of MDA strategies from high and low transmission areas in Southern Zambia. *65th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Atlanta, GA. (Eisele)
 5. 2015. The impact of targeted mass drug administration using dihydroartemisinin-piperaquine in Southern Province Zambia: initial findings. *64th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Philadelphia, PA. (Eisele)
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 7. 2014. Symposium: Recent experiences of using targeted mass treatment with antimalarial drugs for parasite clearance from the human reservoir in Southeast Asia and Africa. *63rd Annual Meeting of the American Society of Tropical Medicine and Hygiene*. New Orleans, LA. (Eisele)
 8. 2013. Rapid scale-up of long-lasting insecticide nets associated with decrease in severe malaria incidence and an upward shift in the mean age of severe cases among children in Luangwa District Zambia. *62nd Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Washington, DC. (Eisele)
 9. 2013. Comparative approaches to evaluating the impact of malaria control interventions on all-cause mortality in sub-Saharan Africa - Lessons learned. *6th MIM Pan African Malaria Conference*, Durban South Africa. (Eisele)
 10. 2013. Village-level characteristics associated with spatial distribution of malaria –infected individuals in an area of southern Zambia receiving mass screening and treatment. *62nd Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Washington, DC. (Larsen, Eisele last author on abstract)
 11. 2013. Association between household insecticide-treated net ownership and all-cause child mortality in Malawi, 2007-2010. *62nd Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Washington, DC. (Bennett, Eisele last author on abstract)
 12. 2013. Spatio-temporal surveillance models for the detection of elevated malaria risk in Ethiopia and Zambia. *62nd Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Washington, DC. (Yukich, Eisele last author on abstract)
 13. 2012. Malaria prevention in pregnancy is associated with reductions in low birth weight and neonatal mortality: a meta-analysis of 32 national cross-sectional datasets in Africa. *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Atlanta, GA. (Eisele)
 14. 2012. The spatial distribution of malaria cases varies depending village malaria prevalence. *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Atlanta, GA. (Larsen, Eisele last author on abstract)
 15. 2012. The effectiveness of a single round of mass malaria screening and treatment in southern Zambia. *61st Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Atlanta, GA. (Larsen, Eisele last author on abstract)
 16. 2011. Using district-level routine data on parasitological-confirmed malaria cases to evaluate the National Malaria Control Program in Zambia. *60th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Philadelphia, PA. (Bennett, Eisele last author on abstract)
 17. 2010. Malaria deaths in adults in Africa: Are we getting it right? *59th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Atlanta, GA. (Eisele)
 18. 2008. Assessment of insecticide-treated bednet use among children and pregnant women across fifteen countries using standardized national surveys. *57th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. New Orleans, LA. (Eisele)
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19. 2008. Changes in Risk Behavior among HIV-Positive Patients during Their First Year of Antiretroviral Therapy in Cape Town South Africa. *American Population Association Annual Meeting*. New Orleans 2008. (Vu, Eisele last author on abstract)
20. 2007. The prevalence of *Plasmodium falciparum* infection in the Artibonite Valley of Haiti rainy season, 2006. *56th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Philadelphia, PA. (Eisele)
21. 2007. High Levels of Risk Behavior among People Living with HIV Initiating and Waiting to Start Antiretroviral Therapy in Cape Town South Africa. *135th Annual Meeting of the American Public Health Association*. Washington, DC. (Eisele)
22. 2005. Interpreting household survey data intended to measure insecticide-treated bednet coverage: results from two surveys in Eritrea. *54th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Washington, DC. (Eisele)
23. 2005. Rolling out insecticide treated nets in Eritrea: Examining possession and use. *133rd Annual Meeting of the American Public Health Association (APHA)*. Philadelphia, PA. (Eisele)
24. 2003. Extended evaluation of insecticide-treated bednets in an area of intense perennial malaria transmission in western Kenya: assessment of all-cause child mortality. *52nd Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Philadelphia, PA. (Eisele)
25. 2003. Linking field-based ecological data with remotely sensed data using a geographic information system in two urban malaria endemic areas of Kenya. *52nd Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Philadelphia, PA. (Eisele)
26. 2001. Using capture-recapture techniques to evaluate the completeness of a community census in western Kenya. *50th Annual Meeting of the American Society of Tropical Medicine and Hygiene*. Atlanta, GA. (Eisele)

Grants and Contracts as Principal Investigator

Current Grants and Contracts

PMI Insight Project \$2.0 million of a consortium cooperative agreement to PATH of \$30.0 million Presidents Malaria Initiative, USAID In coordination with global malaria partners, Tulane is a consortium member of this 5-year cooperative agreement to develop and implement a prioritized operations research agenda for PMI to improve malaria program implementation and maximize the impact of malaria programs.	Eisele (Tulane PI)	10/2020 – 9/2025
Evaluation of Attractive Targeted Sugar Baits against Malaria \$850,000 of a consortium grant to PATH for approximately \$17.0 million Innovative Vector Control Consortium In collaboration with PATH-MACEPA, this project focuses on evaluating the impact of attractive targeted sugar baits using a community randomized controlled trial in Zambia at lowering malaria outcomes in a moderate and seasonal malaria transmission setting. This is a multi-site trial with study sites in Zambia, Mali and Kenya.	Eisele (Tulane PI)	4/2018 – 12/2024

Completed Grants and Contracts

Malaria Elimination in Zambia 4 \$680,000 PATH MACEPA (Bill, Melinda Gates Foundation) The focus of this project is to support MACEPA in malaria elimination efforts in Zambia through an impact evaluation of an MDA strategy using a community randomized controlled trial design.	Eisele (Tulane PI)	5/2021 – 2/2024
Malaria Elimination from Hispaniola \$2.9 million	Eisele (Tulane PI)	1/2015 – 12/2020

Bill and Melinda Gates Foundation

The focus of this 6-year \$30 million project is to implement a comprehensive yet focused malaria elimination strategy in Haiti in an effort to eliminate malaria from Hispaniola by the end of 2020.

GAT-1879-394583-SUB Eisele (PI) 1/2017 – 6/2020

Malaria Elimination in Zambia 3

\$680,000

PATH MACEPA (Bill, Melinda Gates Foundation)

The focus of this project is to support MACEPA in malaria elimination efforts in Zambia through an impact evaluation of an MDA strategy using a community randomized controlled trial design.

GAT-1879-394583-SUB Eisele (PI) 2/2014 – 12/2016

Malaria Elimination in Zambia 2

\$565,000

Bill and Melinda Gates Foundation (subcontract with PATH-MACEPA)

The focus of this project is to assess the impact of a mass drug administration strategy to eliminate malaria in southern Zambia using a community randomized controlled trial.

GAT-1487-08643-SUB Eisele (PI) 4/2010 – 12/2013

Support for MACEPA on Malaria M&E

\$865,000

Bill and Melinda Gates Foundation (subcontract with PATH-MACEPA)

The focus of this project was to assess the impact of a mass test and treatment strategy to eliminate malaria in southern Zambia using a community randomized controlled trial, and to support MACEPA in malaria M&E and operations research.

HRN-1-00-99-00011-00 Eisele (PI) 6/2008 – 2/2013

Modeling Malaria Impact (CHERG)

\$65,000

Bill and Melinda Gates Foundation (subcontract with Unicef)

The objectives of the research are to produce review, develop and maintain estimates of impact of intervention on malaria mortality.

1R18CK000102-01 Eisele (PI) 10/2007 – 9/2011

ITN use in Zambia

\$1.35 million

National Center for Infectious Diseases, CDC

This peer-reviewed translational research grant assesses the effectiveness of an interpersonal communication intervention at increasing ITN use in Luangwa District Zambia using a community randomized controlled trial.

1D71TW008280-01 Eisele and Keating (Co-PIs) 7/2009 – 6/2010

Planning malaria training in Zambia

\$23,000

Fogarty International Center, NIH

The focus of this peer-reviewed grant was to plan a five year program for providing integrated research training to Zambian scientists and health professionals in malaria control research. This is a multiple-PI mechanism with Dr. Joe Keating.

H1-547081K1 Eisele (PI) 6/2008 – 12/2009

Global Burden of Disease Project (CHERG)

\$10,000

Bill and Melinda Gates Foundation (subcontract with the University of Washington)

The objective of this research is to estimate malaria incidence and mortality rates within sub-Saharan Africa for 2005

HRN-1-00-99-00011-00

Eisele (PI)

8/2006 – 03/2007

Malaria Transmission in Haiti

\$200,000

USAID

The specific aim of this project is to obtain population-based data on the burden of malaria within the Artibonite Valley of Haiti to help guide public health strategies to control malaria and measure results.

Academic Service

Departmental Service

- Member of the PhD selection committee, Department of Tropical Medicine (2015 – present)
- Head of the Measurement and Evaluation Section, Department of International Health and Development (2011 – 2013)
- Member Doctoral Program Selection Committee, Department of International Health and Development (2008 – 2011)
- Member Course Harmonizing Subcommittee, Department of International Health and Development (2006 – 2008)
- Member Comprehensive Exam Committee, Department of International Health and Development (2006 – 2011)

Doctoral Candidate Committee Member:

- Refilwe Karabo, 1/2022 – present (chair)
- Zhiyuan Mao, 9/2021 – present (chair)
- Andrew Andrada, 9/2021 – present (chair)
- Alyssa Young, 9/2019 – present (chair)
- Will Eaton, 9/2018 – present (chair)
- Brooke Mancuso, 9/2018 – present (chair)
- Travis Porter, 1/2016 – 2019, graduated
- Matt Worges, 9/2016 – 2019, graduated
- Tim Finn, 9/2012 – 5/2017, graduated (chair)
- Louie Rosencrans, 9/2008 – 4/2017, graduated (chair)
- Adam Bennett, 9/2006 – 5/2013, graduated (chair)
- David Larsen, 9/2009 – 5/2013, graduated (chair)
- John Miller, 9/2008 – 5/2011, graduated (chair)
- Nana Koram, 1/2008 – 5/2010, graduated
- John Rivers, 1/2006 – 12/2007, graduated
- Eva Silvestre, 9/2003 – 12/2007, graduated
- Berlin Londono, 6/2007 – 8/2009, graduated
- Jean de Dieu (Payson Center), 9/2007 – 4/2009, graduated
- Leigh Ann Miller, 1/2006 – 3/2009, graduated
- Zelee Hill, 6/2005 – 5/2006, graduated

School of Public Health and Tropical Medicine Service

- Chair of the Appointment, Promotion and Tenure Committee, 2019 – present
- Member of the Appointment, Promotion and Tenure Committee, 2017 – 2018 (at-large)
- Member Academic Policy Committee, 6/2013 – 2014
- Member Doctoral Programs Committee, 12/2006 – 1/2012
- Secretary of the School Faculty, 6/2008 – 6/2009

University Service:

- Member University Senate, 6/2013 - 2016
- Member of the University Senate Committee on Research, 9/2009 – 6/2012

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- Member of the University Senate Physical Facilities Committee, 10/2006 – 6/2010

Service Outside the University

- Reviewer: Burroughs Wellcome Early Career-level Research Fellowship application (2022)
- Grant Review: Royal Society of Tropical Medicine International Collaboration Award (2018)
- Late stage external reviewer, D.Phil. candidate Isobel Routledge, Department of Infectious Disease Epidemiology, Imperial College London (2018)
- Reviewer: Member of the NIH Center Scientific Review Committee, Special Emphasis Panel/Scientific Review Group, NIAID (2016)
- External thesis reviewer (viva), D.Phil. candidate Katherine Battle, Mathematical, Physical and Life Sciences Division, University of Oxford (2015)
- Reviewer: Burroughs Wellcome Fund Principal/Senior-level Research Fellowship application (2014)
- Reviewer: Burroughs Wellcome Fund Intermediate-level Research Fellowship application (2013)
- Reviewer: Member of the NIH Fogarty International Center Scientific Review Committee for the Global Infectious Disease Research Training Program (2012)
- Reviewer: Burroughs Wellcome Fund Principal/Senior-level Research Fellowship application (2012)
- Reviewer: Burroughs Wellcome Fund Intermediate-level Research Fellowship application (2012)
- Reviewer: Burroughs Wellcome Fund Programme Grant application (2012)
- Chair: CDC Special Emphasis Panel for RFA for The Field Epidemiology and Laboratory Training Program (2011)
- Chair: CDC (NCID) Special Emphasis Panel for RFA CK-09-006, Implementation Research for Malaria and Childhood Illness (2010)
- Reviewer: Burroughs Wellcome Fund grant review panel (2009)
- Reviewer: CDC (NCID) Special Emphasis Panel for RFA 05-061: Applied malaria research (2007)

Selected Journal Peer Review

- New England Journal Medicine
 - Nature
 - Lancet
 - Lancet Infectious Diseases
 - Lancet Global Health
 - Proceeding of the National Academy of Sciences
 - PLoS Medicine
 - Journal of Infectious Diseases
 - Clinical Infectious Diseases
 - Bulletin of the World Health Organization
 - American Journal of Tropical Medicine and Hygiene
 - Tropical Medicine and International Health
 - BMC Public Health
 - BMC Medicine
 - Social Science and Medicine
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