



The Malaria Elimination Initiative's Publications and Ongoing Research

Malaria Elimination
Initiative



University of California
San Francisco

Publications

2020

1. Assessment of subpatent Plasmodium infection in north-western Ethiopia. Assefa A, Ahmed AA, Deressa W, Wilson GG, Kebede A, Mohammed H, Sassine M, Haile M, Dilu D, Teka H, Murphy MW, Sergeant S, Rogier E, Zhiyong Z, Wakeman BS, Drakeley C, Shi YP, Von Seidlein L, Hwang J. *Malar J.* 2020 Mar 4;19(1):108. doi: 10.1186/s12936-020-03177-w. PMID: 32131841; PMCID: PMC7057598.
2. Associations between red blood cell variants and malaria among children and adults from three areas of Uganda: a prospective cohort study. Kakande E, Greenhouse B, Bajunirwe F, Drakeley C, Nankabirwa JI, Walakira A, Nsobyala SL, Katureebe A, Rek J, Arinaitwe E, Rosenthal PJ, Kanya MR, Dorsey G, Rodriguez-Barraquer I. *Malar J.* 2020 Jan 15;19(1):21. doi: 10.1186/s12936-020-3105-3. PMID: 31941490; PMCID: PMC6964006.
3. Bridging the quality gap in diagnosis and treatment of malaria. Ikeda DJ, Gosling R, Eliades MJ, Chung A, Murungu J, Agins BD. *BMJ.* 2020 Apr 22;369:m1176. doi: 10.1136/bmj.m1176. PMID: 32321709.
4. Comparison of multi-parallel qPCR and double-slide Kato-Katz for detection of soil-transmitted helminth infection among children in rural Bangladesh. Benjamin-Chung J, Pilonne N, Ercumen A, Grant JR, Maasch JRMA, Gonzalez AM, Ester AC, Arnold BF, Rahman M, Haque R, Hubbard AE, Luby SP, Williams SA, Colford JM Jr. *PLoS Negl Trop Dis.* 2020 Apr 24;14(4):e0008087. doi: 10.1371/journal.pntd.0008087. PMID: 32330127.
5. District-level approach for tailoring and targeting interventions: a new path for malaria control and elimination. Gosling R, Chimumbwa J, Uusiku P, Rossi S, Ntuku H, Harvard K, White C, Tatarsky A, Chandramohan D, Chen I. *Malar J.* 2020 Mar 30;19(1):125. doi: 10.1186/s12936-020-03185-w. PMID: 32228595; PMCID: PMC7106871.
6. Effectiveness of reactive focal mass drug administration and reactive focal vector control to reduce malaria transmission in the low malaria-endemic setting of Namibia: a cluster-randomised controlled, open-label, two-by-two factorial design trial. Hsiang MS, Ntuku H, Roberts KW, Dufour MK, Whitemore B, Tambo M, McCreesh P, Medzihradsky OF, Prach LM, Siloka G, Siame N, Gueye CS, Schrubbe L, Wu L, Scott V, Tessema S, Greenhouse B, Erlank E, Koekemoer LL, Sturrock HJW, Mwilima A, Katokele S, Uusiku P, Bennett A, Smith JL, Kleinschmidt I, Mumbengegwi D, Gosling R. *Lancet.* 2020 Apr 25;395(10233):1361-1373. doi: 10.1016/S0140-6736(20)30470-0. PMID: 32334702; PMCID: PMC7184675.
7. Effect of Improved Water Quality, Sanitation, Hygiene and Nutrition Interventions on Respiratory Illness in Young Children in Rural Bangladesh: A Multi-Arm Cluster-Randomized Controlled Trial. Ashraf S, Islam M, Unicomb L, Rahman M, Winch PJ, Arnold BF, Benjamin-Chung J, Ram PK, Colford JM, Luby SP. *Am J Trop Med Hyg.* 2020 Feb 24. doi: 10.4269/ajtmh.19-0769. Epub ahead of print. PMID: 32100681.
8. High levels of imported asymptomatic malaria but limited local transmission in KwaZulu-Natal, a South African malaria-endemic province nearing malaria elimination. Raman J, Gast L, Balawanth R, Tessema S, Brooke B, Maharaj R, Munhenga G, Tshikae P, Lakan V, Mwamba T, Makowa H, Sangweni L, Mkhabela M, Zondo N, Mohulatsi E, Nyawo Z, Ngxongo S, Msimang S, Dagata N, Greenhouse B, Birkholtz LM, Shirreff G, Graffy R, Qwabe B, Moonasar D. *Malar J.* 2020 Apr 15;19(1):152. doi: 10.1186/s12936-020-03227-3. PMID: 32295590.
9. Malaria Elimination in China: Improving County-Level Malaria Personnel Knowledge of the 1-3-7 Strategy through Tabletop Exercises. Cao Y, Cotter C, Wang W, Liu Y, Zhou H, Zhu G, Cao J. *Am J Trop Med Hyg.* 2020 Apr;102(4):804-810. doi: 10.4269/ajtmh.19-0560. PMID: 32100680; PMCID: PMC7124899.
10. Malaria eradication - Authors' reply. Chen I, Dondorp A, Gosling R, Harvard K, Tulloch J. *Lancet.* 2020 Apr 25;395(10233):e73. doi: 10.1016/S0140-6736(20)30234-8. PMID: 32334710.
11. Member species of the Anopheles gambiae complex can be misidentified as Anopheles leesonii. Dahan-Moss Y, Hendershot A, Dhoogra M, Julius H, Zawada J, Kaiser M, Lobo NF, Brooke BD, Koekemoer LL. *Malar J.* 2020 Feb 24;19(1):89. doi: 10.1186/s12936-020-03168-x. PMID: 32093677.
12. Multiplex Human Malaria Array: Quantifying Antigens for Malaria Rapid Diagnostics. Jang IK, Tyler A, Lyman C, Rek JC, Arinaitwe E, Adrama H, Murphy M, Imwong M, Proux S, Haohankhunnatham W, Barney R, Rashid A, Kalnoky M, Kahn M, Golden A, Nosten F, Greenhouse B, Gamboa D, Domingo GJ. *Am J Trop Med Hyg.* 2020 Mar 16. doi: 10.4269/ajtmh.19-0763. Epub ahead of print. PMID: 32189616.
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14. The Lancet-SIGHT Commission on peaceful societies through health and gender equality. Friberg P, Fewer S, Clark J, Horton R; Lancet-SIGHT Commission. *Lancet.* 2020 Feb 29;395(10225):670-671. doi: 10.1016/S0140-6736(20)30158-6. PMID: 32113491.
15. Tools to accelerate falciparum malaria elimination in Cambodia: a meeting report. Lek D, Callery JJ, Nguon C, Debackere M, Sovannaroth S, Tripura R, Wojnarski M, Piola P, Khean ST, Manion K, Nguon S, Kunkel A, Vernaev L, Peto TJ, Dantzer E, Davoeung C, Etienne W, Dondorp AM, Tuseo L, von Seidlein L, Guintran JO. *Malar J.* 2020 Apr 15;19(1):151. doi: 10.1186/s12936-020-03197-6. PMID: 32293452.

16. What about the men? Perinatal experiences of men of color whose partners were at risk for preterm birth, a qualitative study. Edwards BN, McLemore MR, Baltzell K, Hodgkin A, Nunez O, Franck LS. *BMC Pregnancy Childbirth*. 2020 Feb 10;20(1):91. doi: 10.1186/s12884-020-2785-6. PMID: 32041561; PMCID: PMC7011522.

2019

1. Active Case Finding for Malaria: A 3-Year National Evaluation of Optimal Approaches to Detect Infections and Hotspots Through Reactive Case Detection in the Low-transmission Setting of Eswatini. Hsiang MS, Ntshalintshali N, Kang Dufour MS, Dlamini N, Nhlabathi N, Vilakati S, Malambe C, Zulu Z, Maphalala G, Novotny J, Murphy M, Schwartz A, Sturrock H, Gosling R, Dorsey G, Kunene S, Greenhouse B. *Clin Infect Dis*. 2019 May 16;1-10. doi: 10.1093/cid/ciz403. PubMed PMID: 31095677.
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3. Anopheles cinereus implicated as a vector of malaria transmission in the highlands of north-west Ethiopia. Lemma W, Alemu K, Birhanie M, Worku L, Niedbalski J, McDowell MA, Lobo NF. *Parasit Vectors*. 2019 Nov 25;12(1):557. doi: 10.1186/s13071-019-3797-9. PubMed PMID: 31767025; PubMed Central PMCID: PMC6878634.
4. Applying next-generation sequencing to track falciparum malaria in sub-Saharan Africa. Tessema SK, Raman J, Duffy CW, Ishengoma DS, Amambua-Ngwa A, Greenhouse B. *Malar J*. 2019 Sep 3;18(1):268. doi: 10.1186/s12936-019-2880-1. PubMed PMID: 31477139; PubMed Central PMCID: PMC6720407.
5. Assessing malaria risk at night-time venues in a low-transmission setting: a time-location sampling study in Zambezi, Namibia. Jacobson JO, Smith JL, Cueto C, Chisenga M, Roberts K, Hsiang M, Gosling R, Mumbengegwi D, Bennett A. *Malar J*. 2019 May 22;18(1):179. doi: 10.1186/s12936-019-2807-x. PubMed PMID: 31118028; PubMed Central PMCID: PMC6532237.
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7. Association of Short-Term Ultraviolet Radiation Exposure and Disease Severity in Juvenile Dermatomyositis: Results From the Childhood Arthritis and Rheumatology Research Alliance Legacy Registry. Neely J, Long CS, Sturrock H, Kim S; Childhood Arthritis and Rheumatology Research Alliance Registry Investigators. *Arthritis Care Res (Hoboken)*. 2019 Feb 4;1-6. doi: 10.1002/acr.23840. PubMed PMID: 30714338.
8. Building a tuberculosis-free world: The Lancet Commission on tuberculosis. Reid MJA, Arinaminpathy N, Bloom A, Bloom BR, Boehme C, Chaisson R, Chin DP, Churchyard G, Cox H, Ditiu L, Dybul M, Farrar J, Fauci AS, Fekadu E, Fujiwara PI, Hallett TB, Hanson CL, Harrington M, Herbert N, Hopewell PC, Ikeda C, Jamison DT, Khan AJ, Koek I, Krishnan N, Motsoaledi A, Pai M, Raviglione MC, Sharman A, Small PM, Swaminathan S, Temesgen Z, Vassall A, Venkatesan N, van Weezenbeek K, Yamey G, Agins BD, Alexandru S, Andrews JR, Beyeler N, Bivol S, Brigden G, Cattamanchi A, Cazabon D, Crudu V, Daftary A, Dewan P, Doepel LK, Eisinger RW, Fan V, Fewer S, Furin J, Goldhaber-Fiebert JD, Gomez GB, Graham SM, Gupta D, Kamene M, Khaparde S, Mailu EW, Masini EO, McHugh L, Mitchell E, Moon S, Osberg M, Pande T, Prince L, Rade K, Rao R, Remme M, Seddon JA, Selwyn C, Shete P, Sachdeva KS, Stallworthy G, Vesga JF, Vilc V, Goosby EP. *Lancet*. 2019 Mar 30;393(10178):1331-1384. doi: 10.1016/S0140-6736(19)30024-8. PubMed PMID: 30904263.
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10. Comparative field evaluation of kelambu traps, barrier screens and barrier screens with eaves for longitudinal surveillance of adult Anopheles mosquitoes in Sulawesi, Indonesia. Davidson JR, Wahid I, Sudirman R, Makuru V, Hasan H, Arfah AM, Nur N, Hidayat MY, Hendershot AL, Xiao H, Yu X, Asih PBS, Syafruddin D, Lobo NF. *Parasit Vectors*. 2019 Aug 13;12(1):399. doi: 10.1186/s13071-019-3649-7. PubMed PMID: 31409374; PubMed Central PMCID: PMC6693138.
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Pending Publications

- Defining malaria risks among forest workers in Aceh, Indonesia: A formative assessment. Lenny L. Ekawati, Kelly C. Johnson, Jerry O. Jacobson, Carmen Cueto, Iska Zarlinda, Iqbal RF Elyazar, Maria E. Sumiwi, Rintis Noviyanti, Chris Cotter, Jennifer L. Smith, Farah N. Coutrier, Adam Bennett.
- Improving community engagement for malaria elimination. Expected products: background paper (completed November 2018), manuscript (submitted end of year 2018, target journal: Malaria Journal), policy briefs (completed Q1 2019).
- Pharmacokinetics of primaquine in G6PD-normal individuals in Mali. Preliminary author list: Palang Chotsiri, Ingrid Chen, Almahamoudou Mahamar, Alassane Dicko, Roly Gosling, Teun Bousema, Joel Tarning.
- Primaquine metabolism in G6PD-deficient individuals in Mali. Preliminary author list: Palang Chotsiri, Ingrid Chen, Almahamoudou Mahamar, Alassane Dicko, Roly Gosling, Teun Bousema, Larry Walker, Joel Tarning.
- Geospatial modeling of residual transmission in sub-Saharan Africa.
- Improving district level malaria program surveillance in Zimbabwe through organization development.
- Making district level malaria elimination efficient: implementing quality improvement and organizational development.
- Quality improvement for malaria case management.
- Making malaria elimination happen at the district level.
- Malaria Elimination Risk Factor Analysis Tool Use in Namibia.

Ongoing Research

- A. Namibia high risk populations work
- B. Namibia targeted parasite elimination trial
- C. Namibia entomological surveillance work
- D. Swaziland targeted parasite elimination study
- E. Swaziland surveillance monitoring
- F. High risk populations Peru project
- G. High risk populations Indonesia study
- H. Lao elimination project
- I. RAI2E elimination projects
- J. Thailand reactive case detection pilot
- K. Greater Mekong Subregion militaries program
- L. High-sensitivity RDT Namibia
- M. High-sensitivity RDT Lao
- N. HRP2 persistence
- O. Entomological Surveillance Planning Tool Pilot: Global, Panama, Cambodia
- P. Community engagement systematic review and case studies
- Q. Screen and treat systematic review
- R. Greenhouse genotyping work
- S. Expanding the vector control toolbox for elimination
- T. Improving entomological intelligence for malaria elimination
- U. Nepal MMP study
- V. Role of private sector in Haiti
- W. Global Impact Malaria
- X. Work with Tulane to assess impact of interventions
- Y. Organizational development, quality improvement and change management work
- Z. Parker Vector Project
- AA. Ivermectin in cattle trial in Viet Nam
- AB. DiSARM investments

