



RTI at ASTMH 2020

November 15–19



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MONDAY, NOVEMBER 16

SESSION 5 | ECTOPARASITE-BORNE DISEASE

9:00- 10:45 AM

Passive Tick Surveillance, Environmental Factors and Neighboring Effects as Predictors of Lyme Disease Risk at Fine Spatial Scales

Maria Pilar Fernandez, **Donal Bisanzio**, **Richard Reithinger**, Jennifer White, Melissa A. Prusinski, Bryon P. Backenson, Maria A. Diuk-Wasser

Meeting Room 5

POSTER SESSION A | PRESENTATIONS

1:30 – 3:00PM

Poster 65 | Expanding Training Capacity and Accessibility for Minimally Invasive Tissue Sampling

Tia Paganelli, **Lindsay Parlberg**, **Norman Goco**, Roosecelis B. Martines, Jana Ritter, Sherif Zaki, Edwin Walong Washington Owino Ochieng, Dennis Inyangala, Walter Barake, Cyrus Wachury, Natalia Rakislova, Lorena Marimon, Melania Ferrando, Jaume Ordi

Virtual Poster Hall

Poster 178 | Surveillance of Efficacy and Safety of Artemether-Lumefantrine for the Treatment of Uncomplicated Falciparum Malaria in Mainland Tanzania

Billy E. Ngasala, Mercy Chiduo, Samwel Bushukatale, Twilumba Makene, Erasmus Kamugisha, Maimuna Ahmed, Muhidin Mahende, Reginald Kavishe, Florida Muro, Debora Kajeguka, Deus Ishengoma, Celine Mandara, Ritha Njau, Chonge Kitojo, Erik Reaves, **Ssanyu Nyinondi**, **Bilal Kabula**, Frank Chacky, Ally Mohamed

Poster 215 | Integration of Malaria Case-Based Surveillance (Coconut) and Dhis2 in Zanzibar to Improve Data Use in Decision Making

Joseph J. Joseph, **Humphrey Mkali**, **Shabbir Lalji**, **Abdul-wahid Al-mafazy**, **Ssanyu S. Nyinondi**, **Bilali Kabula**, Abdullah S. Ali, Faiza B. Abbas, Mohamed H. Ali, Wahida S. Hassan, Ahlam Saeed, Chonge Kitojo, Naomi Serbantez, **Bisanzio Donal**, **Richard Reithinger**, **Jeremiah Ngondi**, **Mike McKay**

Poster 261 | Factors Associated with Long Lasting Insecticidal Nets Use in Households Detected with Malaria Cases in Zanzibar, 2012-2019

Humphrey Mkali, **Shabbir Lalji**, **Abdul-wahid Al-mafazy**, **Joseph Joseph**, Abdullah Ali, Faiza Abbas, Mohamed Ali, Wahida Hassan, Mwinyi Khamis, Chonge Kitojo, Naomi Serbantez, Erik Reaves, **Bilali Kabula**, **Ssanyu Nyinondi**, **Donal Bisanzio**, **Mike McKay**, **Richard Reithinger**, **Jeremiah Ngondi**

POSTER SESSION A | PRESENTATIONS (CONTINUED)

1:30 – 3:00PM

Poster 273 | Response to an Increase in Malaria Transmission in Urban District of Zanzibar

Faiza B. Abbas, Naomi A. Serbantez, **Shabbir M. Lalji**, Abdulla S. Ali, Mohamed Y. Ndee

Virtual Poster Hall

Poster 311 | Continued Efficacy of Pirimiphos-Methyl (Actellic 300CS) for Indoor Residual Spraying in Areas With High Malaria Vector Resistance to Pyrethroids in Zanzibar

Khamis A. Haji, Bakari O. Khatib, Juma H. Mcha, Huba H. Ali, Makame H. Makame, Abdullah S. Ali, Faiza B. Abbas, Chonge A. Kitojo, Naomi Serbantez, George Greer, Erik J. Reaves, **Shabbir Lalji**, **Ssanyu S. Nyinondi**, **Bilali Kabula**

Poster 351 | Minimally Invasive Tissue Sampling in Preterm Deaths a Validation Study

Rahell Hailu Ayele, Tigist Desta, Yonas Bekuretsion, Messele Bezabih, Addisu Alemu, Tiruzer Bekele, Bewketu Abebe, Mesfin Asefa, Zemene Tigabu, Yonas Girma, Beza Eshetu, Mahlet Abayneh, Amha Mekasha, Assaye Nigussie, **Elizabeth M. McClure**, Robert L. Goldenberg, Lulu M. Muhe

Poster 422 | Urogenital Schistosomiasis Among Pre-School and School Aged Children in Four Districts of Northwestern Tanzania After a Decade of Mass Drug Administration: Geographical Prevalence, Performance of Haematuria Reagent Strips and Associated Factors

Humphrey D Mazigo, Cecilia Uisso, **Upendo Mwingira**, Paul Kazyoba, Maria Zinga, Safari M. Kinung'hi, Francesca Mutapi

SESSION 20 | A FUNDAMENTAL WAY TO PREVENT MALARIA IN PREGNANCY: IMPROVING HEALTH OUTCOMES FOR PREGNANT WOMEN AND THEIR BABIES ONE NURSE AND MIDWIFE AT A TIME

3:00-4:45 PM

Using Short Message Service Alerts to Increase Antenatal Care and Malaria Prevention: Findings from Implementation Research Pilot in Guinea

Aissata Fofana

Meeting Room 3

TUESDAY, NOVEMBER 17

POSTER SESSION B | PRESENTATIONS

11:45 AM - 1:15 PM

Poster 551 | Counseling and Informed Consent Related to Minimally Invasive Tissue Sampling (Mits) to Determine Cause of Death for Stillbirths and Neonatal Deaths in Pakistan, India, Bangladesh, Kenya And Ethiopia: A Comparative Evaluation

Tia Paganelli, Anam Feroz, Milka Bunei, B. Eshetu, Shahana Parveen, Sayyeda Reza, Sarah Saleem, Chaitali Sanji, **Elizabeth McClure**, Robert Goldenberg

Virtual Poster Hall

11:45 AM - 1:15 PM

Virtual Poster Hall

Poster 620 | Neurological Sequelae of Acquired Zika Virus Infection among Children in Managua, Nicaragua

Jill F. Lebov, Anna Gajewski, Oscar Ortega, Guillermina Kuan, Eva Harris, Emma Crenshaw, Stephen R. Hooper

Poster 653 | Efficacy and Safety of Artesunate-Amodiaquine for the Treatment of Uncomplicated Falciparum Malaria In Mainland Tanzania

Twilumba Makene, Billy Ngasala, Samwel Bushukatara, Mercy Chiduo, Erasmus Kamugisha, Maimuna Ahmed, Muhidin Mahende, Reginald Kavishe, Florida Muro, Debora Kajeguka, Deus Ishengoma, Celine Mandara, Ritha Njau, **Ssanyu Nyinondi, Bilal Kabula**, Frank Chaky, Ally Mohamed

Poster 704 | Understanding Malaria Distribution and Landscape Use in Tanzania: A Molecular Epidemiology Study of School-aged Children

Cedar Mitchell, Billy Ngasala, Frank Chacky, Ally Mohamed, Lwidiko Mhamilawa, Fabrizio Molteni, **Ssanyu Nyinondi, Bilali Kabula**, Erik Reaves, Naomi Serbantez, Chonge Kitojo, Twilumba Makene, Thwai Kyaw, Jonathan Parr, Michael Emch, Steven Meshnick, Jonathan Juliano

Poster 754 | Improving Malaria Data Quality for Programmatic Decision-Making: Findings from Data Quality Audits in Mainland Tanzania, 2019

Khalifa Kassim Munisi, Pai Chambongo, Godfrey Philemon, Anna Mahendeka, Frank Chacky, Abdallah Lusasi, Ally Mohamed, **Ssanyu Nyinondi, Shabbir Lalji, Humphrey Mkali, Joseph Joachim Joseph**, Chonge Kitojo, Naomi Serbantez, Erik Reaves, Samwel Lazaro

Poster 758 | Assessing the Reliability of Surveillance Data Collected by District Malaria Surveillance Officers (DMSOs) in Unguja, Zanzibar - 2019

Wahida S. Hassan, Abdullah Ali, Mohamed Ali, Mwatima Suleiman, Makame Makame, Amina Faki, Raya Ibrahim, Salum Massoud, Naomi Serbantez, Chonge Kitojo, **Humphrey Mkali, Shabbir Lalji, Nyinondi Ssanyu**, Erik Reaves, **Abdul-wahid Al-mafazy**

Poster 766 | Bringing LLIN Distribution Closer to Communities in Guinea Through Adaptive Management

Aissata Fofana, Mohamed Sitan Keita, Hamidou Barry, Mohamed Saran Condé, Lamine Bangoura, Eugène Kaman Lama, Alioune Camara, **Donal Bisanzio, Elizabeth Fitch**

Poster 768 | Trends of Intermittent Preventive Therapy Uptake in Pregnant Women Attending Antenatal Care (ANC), 2015 to 2019, Mainland Tanzania

Samwel Lazaro, Khalifa Munisi, Franky Chacky, Anna Mahendeka, **Ssanyu Nyinondi, Shabbir Lalji, Humphrey Mkali, Joseph J. Joseph**, Chonge Kitojo, Naomi Serbantez, Erik Reaves, Claud John, Ally Mohamed

Poster 778 | Effectiveness of Thailand's 1-3-7 Malaria Surveillance Strategy to Reach Elimination by 2024

Prayuth Sudathip, **Sathapana Naowarat**, Suravadee Kitchakarn, **Jui A. Shah, Felicity Young**, Deyer Gopinath, Maria Dorina Bustos, Niparueraadee Pinyajeerapat, Cheewanan Lertpiriyasuwat

POSTER SESSION B | PRESENTATIONS (CONTINUED)

11:45 AM - 1:15 PM

Poster 779 | Working toward Malaria Elimination: Results from Thailand's Subnational Verification Program

Cheewanan Lertpiriyasuwat, Prapat Promeiang, Suravadee Kitchakarn, Prayuth Sudathip, Jersuda Kanchanasuwan, Tannikar Toangard, **Sathapana Naowarat**, **Felicity Young**, Deyer Gopinath, Niparueradee Pinyajeerapat, **Jui A. Shah**

Virtual Poster Hall

LB-5118 | Is it High Time to Decrease The Size of Survey Areas for Evaluation of Lymphatic Filariasis Programs? Lessons Learned from Nepal

Sudip Raj Khatiwada, Lila Bahadur Thapa, Prakash Prasad Shah, **Achut Babu Ojha**, **Dharmal Prasad Raman**, **Molly Brady**, **Nandini Pillai**

SESSION 54 | BACTERIOLOGY: TRACHOMA AND OTHER BACTERIAL INFECTIONS

1:45 – 3:30 PM

950 | Trachoma Elimination Challenges: Investigating Reasons for Recrudescence of Trachoma in Four Districts of Mozambique

Marilia Massangaie, Mariamo Abdala, **Mawo Fall**, **Tamimo Momade**, **Zulficar Bay**, **Hannah Frawley**, **Sabrina Eyob**, **Scott McPherson**, **Jeremiah M. Ngondi**

Meeting Room 5

WEDNESDAY, NOVEMBER 18

SYMPOSIUM | SESSION 64

9:00 – 10:45 AM

Strengthening Malaria Surveillance Systems: Do We Have a Good Understanding of the Level of Investment Needed?

Jui Shah and Yazoume Ye

- Developing an operational and financial framework for a highly effective surveillance system in a resource limited environment – Arnaud Le Menach, Clinton Health Access Initiative
- Zambia: Costing the malaria surveillance, monitoring, and evaluation plan – Bbusiku Hamainza, National Malaria Elimination Centre, Zambia
- Thailand: Key elements in costing an effective surveillance system for an elimination setting – Cheewanan Lertpiriyasuwat, Division of Vector-Borne Disease, Thailand
- Looking toward the future: Tools and gaps in costing malaria surveillance systems – Ebenezer Shheshi Baba, WHO

Meeting Room 1

SESSION 71 | MALARIA EPIDEMIOLOGY I: INFECTION AND DISEASE IN HIGH-TRANSMISSION SETTINGS

9:00 – 10:45 AM

975 | Predictors and the Effects on Birth Outcomes of Plasmodium Falciparum Infection in Early Pregnancy Among Nulliparous Women from the Democratic Republic of the Congo, Kenya, and Zambia

Sequoia Iris Leuba, Melissa Bauserman, Carl Bose, Daniel Westreich, Kimberly Powers, Andrew Olshan, Antoinette Tshetu, Waldemar Carlo, Elwyn Chomba, Edward Liechty, Fabian Esamai, Saleem Jessani, **Janet Moore**, **Jennifer Hemingway-Foday**, Steven Meshnick

Meeting Room 9

RTI Researchers are noted in **bold**

■ Neglected Tropical Diseases

■ Malaria

■ Lyme disease

■ Zika

■ Minimally Invasive Tissue Sampling

11:45 AM - 1:15 PM

Virtual Poster Hall

Poster 1015 | Building Capacity and Infrastructure at Hospitals Implementing Minimally Invasive Tissue Sampling

Anna Marie Aceituno, Gervais Ntakirutimana, Marie Claire Ndayisaba, Djibril Mbarushimana, Elisé Hategekimana, Nuwadatta Subedi, **Christina Paganelli, Norman Goco**

Poster 1145 | Malaria Treatment-Seeking Behavior from Malaria at Coyah District Hospital, Guinea

Alioune Camara, Timothee Guilavogui, Mamadou Oury Cissé, Aboubacar Sidiki Conde, **Aissata Fofana**, Donatien Ntambue, Eugene kaman Lama, Alexandre Delamou

Poster 1293 | Alternative Indicators to Monitor Trachoma Elimination; Does Longitudinal Chlamydia Infection and Antibody Data Add Evidence to the Understanding of Resurgence

Mabula Kasubi, George Kabona, Alistidia Simon, James Kalabashanga, Mkocha Harran, **Mike French, Upendo Mwingira**, Sheila West, Diana Martin, **Jeremiah Ngondi**

Poster 1298 | Trachoma Transmission Pathways: a Qualitative Study of Factors Related to Increased Active Trachoma in Moroto, Nebbi and Buliisa Districts of Uganda

Martin K. Osilo, Ben Binagwa, Stella Agunyo, Mike Mukirane, Betty Nabatte, Francis Mugume, Gilbert Baayenda, Esther Nkolo, **Elizabeth Plunkett, Elizabeth Fitch, Lauren Brown, Crowley Kathryn, Jeremiah Ngondi**

Poster 1300 | Twelve-Year Longitudinal Trends in Trachoma Prevalence Among Children Aged 1 to 9 Years in 160 Districts of Amhara Region, Ethiopia 2007 to 2019

Eshetu Sata, Andrew W. Nute, Tigist Astale, Mulat Zerihun, Demelash Gessese, Zebene Ayele, Ambahun Chernet, Berhanu Melak, Kimberly A. Jensen, Mahiteme Haile, Taye Zeru, Zerihun Tadesse, E. Kelly Callahan, **Jeremiah Ngondi**, Scott D. Nash

Poster 1302 | What to Do Differently to Enhance Elimination of Trachoma in Tanzania: Lessons Learned from Districts with Persistent TF prevalence of More Than 5%

Gerald Robi, Denis Kailembo, Veronica Kabona, Oscar Kaitaba, George Kabona, Kerry Dobbies, Mary Linehan, Abdel Direny, **Jeremiah Ngondi**, Josh West, Benjamin Crookston

Poster 1346 | Progress Towards Onchocerciasis Elimination in Tanzania: Methods and Results of Monitoring Transmission of *Onchocerca volvulus* in 16 endemic districts

Oscar Christian Kaitaba, **Upendo Mwingira**, Akili Kalinga, Dennis Dobbies, Kim Won, Andreas Nshala, **Kathryn Crowley**, Veronica Kabona, George Kabona

Poster 1348 | Onchocerciasis Vectors and Transmission Status of *Onchocerca Volvulus* after 17 Years of Mass Drug Administration with Ivermectin in Muheza District, Tanga Focus in Tanzania

Akili Kalinga, Deus Ishengoma, Oscar Kaitaba, Andreas Nshala, Denis Kailembo, Katherine Gass, Kimberly Won, Seth Misago, Paul Martin, Victoria Lorry, **Upendo Mwingira**

POSTER SESSION C | PRESENTATIONS (CONTINUED)

11:45 AM - 1:15 PM

Poster 1350 | Onchocerciasis Elimination Mapping: Prevalence of OV-16 in Ivermectin Naïve Areas of Northwestern Tanzania

Dennis Kailembo, Andreas Nshala, **Upendo Mwingira**, Akili Kalinga, Kerry Dobbies, Darin Evans, **Elizabeth Plunkett**, Abdel Direny, George Kabona

Virtual Poster Hall

Poster 1351 | Lymphatic Filariasis and Malaria Co-Infection in Mosquito Vectors in Rural Tanzania

Andreas M. Nshala, **Upendo John Mwingira**, Cecilia Uisso, Billy Ngassala, Andreas Marternsson, Yahya Derua, Bernard Malongo, Demetrius Max, Demetrius Max

Poster 1376 | Schistosomiasis Among Villages Surrounding Lake Nyasa, Southern Tanzania: Prevalence, Intensity of Infection and Geographical Distribution Among Pre-School & School Aged Children

Humphrey D Mazigo, Cecilia Uisso, Paul Kazyoba, Andreas Nshala, **Upendo Mwingira**

Poster 1391 | Integrating Preventative Measures of COVID-19 Through Neglected Tropical Diseases WASH & Health Promotion: Tanzania Experience

Alistidia Simon, Cecilia Uisso, Oscar Kaitaba, **Upendo Mwingira**, **Jeremiah Ngondi**, Kimberly Kamara

LB-5169 | Post-MDA Reverse Logistics of NTD Medicine: Experiences and Lessons-Learnt in Cross River State, Nigeria

Uket Uket, Patrick Odu, Godwin Okeagu, Mary Esu, **Moses Aderogba**, **Ukam Oyene**, **Benjamin Nwobi**, Iwara Iwara, **Scott McPherson**

SESSION 89 | MALARIA EPIDEMIOLOGY II | DYNAMICS AND HETEROGENEITY IN LOW-TRANSMISSION SETTINGS

1:45 - 3:30 PM

1410 | Factors Associated with Clustering of Malaria Cases Within the Index Case Households and Neighborhood Households in Zanzibar

Abdul-wahid Al-mafazy, Abdullah Ali, Faiza Abbas, Mohamed Ali, Wahida Hassan, Makame Makame, Raya Ibrahim, Salum Massoud, Moza Khamis, Chonge Kitojo, **Richard Reithinger**, **Mike McKay**, **Ssanyu Nyinondi**, **Joseph Joseph**, **Humphrey Mkali**, Erik Reaves, **Shabbir Lalji**, **Jeremiah Ngondi**

Meeting Room 8

SYMPOSIUM | SESSION 129

<p>10:45 AM- 12:30 PM</p>	<p>Operationalizing the WHO Guidelines for Onchocerciasis: Experiences and Best Practices</p> <p>Upendo Mwingira and Darin Evans</p> <ul style="list-style-type: none"> • Updates on onchocerciasis elimination guidelines and the WHO 2030 roadmap – Paul Cantey, CDC • Stopping MDA in Uganda: what to do when there are no guidelines and lessons learned from the elimination of <i>Simulium neavei</i> transmitted onchocerciasis in the Wambabya-Rwanarongo focus – David Oguttu, Ministry of Health Uganda • Stopping MDA in Ethiopia: best practices from the first coordinated interruption of onchocerciasis transmission in the Metema-Galabat cross border focus and the Wudi Gamzo ‘hotspot’ – Kadu Meribo Burika, Ministry of Health Ethiopia • When is it safe to stop MDA? Defining transmission zones in Nigeria and challenges in demonstration of interruption of onchocerciasis transmission in Northern Nigeria, where blackflies cannot be caught – Sunday Isiyaku, Sightsavers, Nigeria 	<p>Meeting Room 13</p>
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SESSION 127 | MOSQUITOES | INSECTICIDE RESISTANCE AND CONTROL I

<p>10:45 AM – 12:30 PM</p>	<p>1508 Assessment of the Residual Effectiveness of Clothianidin for the Control of Pyrethroid Resistant Malaria Vectors in North Western Lake Zone Regions in Tanzania</p> <p>Karen Nelwin Zablon, Charles Kakilla, Jackline Martine, Eric Lyimo, Coleman Kishamawe, Doris Mangalu, Lucy Bernard, Safari M. Kinung’hi, Chonge Kitojo, Naomi Serbantez, Eric Reaves, Adeline Chan, Charles D. Mwalimu, Ssanyu Nyinondi, Bilali Kabula, Alphaxard Manjurano</p>	<p>Meeting Room 11</p>
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SESSION 170 | INTEGRATED CONTROL MEASURES FOR NEGLECTED TROPICAL DISEASES

<p>5:00 – 6:45 PM</p>	<p>1642 Reasons for Insufficient Preventive Chemotherapy Coverage for Neglected Tropical Diseases, a Multi-Country Analysis</p> <p>Sabrina Eyob, Alexander H. Jones, Margaret Baker, Alfred Mubangizi</p> <p>1646 Efforts Towards Strengthening the Integration of Supply Chain of Neglected Tropical Disease Medicines into the Electronic Logistics Management Information System in Tanzania</p> <p>Frank Komakoma, Upendo Mwingira, Jeremiah Ngondi, Daudi Msasi, William Reuben, Nabila Hemed, Godfrey Kingalu, Kerry Dobbies, Elisabeth Wilskie, Abdallah Ngenya, Oscar Kaitaba, George Kabona</p>	<p>Meeting Room 9</p>
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