

Technical Review Panel Member

Curriculum Vitae

Name: Elfatih Mohamed Malik
 Nationality: Sudanese
 Additional languages: Arabic
 Expertise: Epidemiologist, malariologist

Qualifications

Qualification	Institution	Department	Year
Global Health Leadership Program (3-months/ certificate)	University of Washington, Seattle, USA.	Collaboration between FMOH, Sudan and Global Health Department, UW	2009
Regional course on planning malaria control programmes (2-months/ certificate)	University of Tehran, Bandar Abass, Iran.	Arranged in collaboration with WHO/ EMRO	1997
M.D	University of Khartoum	Community Medicine	1998
MBBS	University of Khartoum	Faculty of Medicine	1991

Employment History

Employer	Position	Place	Year
Federal MOH	Head of the writing committee and advocacy team for the Sudan malaria treatment protocol, 2017	Sudan	April – Dec 2017
WHO, EMRO	National consultant for the "Sudan malaria indicator survey 2016"	Sudan	Sep 2016 – March 2017
University of Khartoum	Fellow at community medicine department	Khartoum, Sudan	May 2016
Federal MOH	Director General Planning and International Health	Khartoum, Sudan	July 2015
WHO	Member of the WHO Malaria Policy advisory Committee (MPAC)	WHO, Geneva	2011- 2014
Gezira State	Minister of Health	Gezira State, Sudan	May 2010 – June 2015
Federal MOH	Assistant Undersecretary of Health for PHC and Preventive Medicine	Khartoum, Sudan	April 2009
Sudan Medical Specialization Board	Community Medicine Council Rapporteur	Khartoum, Sudan	2009

Relevant Publications

1. Mohamed AO, Abdel Hamid MM, Mohamed OS, Elkando NS, Suliman A, Adam MA, Elnour FAA, **Malik EM. Efficacies of DHA-PPQ and AS/SP in patients with uncomplicated Plasmodium falciparum malaria in an area of an unstable seasonal transmission in Sudan.** *Malar J.* 2017 Apr 20;16(1):163. doi: 10.1186/s12936-017-1817-9.
2. Elmosaad YM, Elhadi M, Khan A, **Malik EM** and Mahmud I. **Communication for behavioural impact in enhancing utilization of insecticide-treated nets among mothers of under-five children in rural north Sudan: an experimental study.** *Malar J.* 2016 Oct 18; 15(1): 509
3. WWARN Artemisinin based Combination Therapy (ACT) Africa Baseline Study Group., Dahal P, d'Alessandro U, Dorsey G, Guerin PJ, Nsanjabana C, Price RN, Sibley CH, Stepniewska K, Talisuna AO. **Clinical determinants of early parasitological response to ACTs in African patients with uncomplicated falciparum malaria: a literature review and meta-analysis of individual patient data.** *BMC Med.* 2015 Sep 7;13:212. doi: 10.1186/s12916-015-0445-x. Review.
4. Elmosaad YM, Elhadi M, Khan A, **Malik EM**, Mahmud I. **Communication for behavioural impact in enhancing utilization of insecticide-treated bed nets among mothers of under-five children in rural North Sudan: an experimental study.** *Malar J.* 2016 Oct 18;15(1):509.
5. **EM Malik, AH Abdalla, AO Babiker, AS Elmahi, AE Abdalla, S Hamid, .et al. Teachers-Centred Distribution of Praziquantel to Control Schistosomiasis in Gezira State, Sudan.** *Public Health Open Journal* 1 (1), 8-11
6. **K. G. Mohamed, S. Hunskar, S. H. Abdelrahman, and E. M. Malik. Telemedicine and E-Learning in a Primary Care Setting in Sudan: The Experience of the Gezira Family Medicine Project.** *International Journal of Family Medicine*, vol. 2015, Article ID 716426, 7 pages, 2015. doi:10.1155/2015/716426
7. ImmoKleinschmidt, Abraham Peter Mnzava, Hmooda Toto Kafy, Charles Mbogo, Adam Ismail Bashir, Jude Bigoga, AliounAdechoubou, KamarajuRaghavendra, Tessa Bellamy Knox, Elfatih M Malik, Zinga José Nkuni, NabieBayoh, Eric Ochomo, Etienne Fondjo, Celestin Kouambeng, Herman Parfait Awono-Ambene, JosianeEtang, Martin Akogbeto, Rajendra Bhatt, Dipak K Swain, Teresa Kinyari, KiambuNjagi, Lawrence Muthami, KrishanthiSubramaniam, John Bradley, Philippa West, AchileMassougbojji, Mariam Okê-Sopoh, AuroreHounto, Khalid Elmardi, NeenaValecha, Luna Kamau, Evan Mathenge and Martin James Donnelly. **Design of a study to determine the impact of insecticide resistance on malaria vector control: a multi-country investigation.** *Malaria Journal* 2015, 14:282 doi:10.1186/s12936-015-0782-4
8. Worldwide Antimalarial Resistance Network (WWARN) AL Dose Impact Study Group. **The effect of dose on the antimalarial efficacy of artemether-lumefantrine: a systematic review and pooled analysis of individual patient data.** *Lancet Infect Dis.* 2015 Jun;15(6):692-702. doi: 10.1016/S1473-3099(15)70024-1. Epub 2015 Mar 16.
9. Elmannan AA, Elmardi KA, Idris YA, Spector JM, Ali NA, **Malik EM. Anti-malarial prescribing practices in Sudan eight years after introduction of artemisinin-based combination therapies and implications for development of drug resistance.** *BMC PharmacolToxicol.* 2015 Mar 26;16:3. doi: 10.1186/s40360-015-0002-4.
10. Mannan AA, Elmardi KA, Idris YA, Spector JM, Ali NA, **Malik EM. Do frontline health care providers know enough about artemisinin-based combination therapy to rationally treat malaria? A cross-sectional survey in Gezira State, Sudan.** *Malar J.* 2015 Mar 26;14(1):131. doi: 10.1186/s12936-015-0652-0.
11. Jalal A Bilal, Gasim I Gasim, Mohamed T Abdien, Khalid AElmardi, **Elfatih M Malik** and Ishag Adam. **Poor adherence to the malaria management protocol among health workers**

- attending under-five year old febrile children at Omdurman hospital, Sudan. *Malaria Journal* 2015, **14**:34 doi:10.1186/s12936-015-0575-9
12. Khalid G Mohamed, SteinarHunnskaar, Samira Hamid Abdelrahman, **Elfatih M Malik**. **Scaling up family medicine training in Gezira, Sudan - a 2-year in-service master programme using modern information and communication technology: a survey study**. *Human Resources for Health*. 01/2014; 12(1):3. DOI: 10.1186/1478-4491-12-3
 13. معاوية عبدالله عبدالقادر، الفاتح محمد مالك وعبد الرحيم محمد بابكر. **العوامل المؤثرة على توزيع الخدمات الصحية بولاية الجزيرة**. مجلة الصحة والتنمية. المجلد الثاني - العدد الأول. مارس 2014
 14. Al El sony, CY Chiang, **E Malik** et al. **Standard case management of Asthma in Sudan: A pilot project**. *Public Health action*, 2013.
 15. خالد جعفر دنقلا، عبد الناصر أحمد ابوزيد، عثمان حامد، عماد الجاك والفاتح محمد مالك. **برنامج ولاية الجزيرة لطب الأسرة: قصة نجاح**. مجلة الصحة والتنمية. المجلد الأول - العدد الرابع. أغسطس 2013
 16. الفاتح محمد مالك. **العلاج الوقائي وأثره في مكافحة البلهارسيا: مراجعة علمية**. مجلة الصحة والتنمية. المجلد الأول - العدد الثاني. نوفمبر 2012
 17. الفاتح محمد مالك. **النظام الصحي المحلي: مراجعة علمية**. مجلة الصحة والتنمية. المجلد الأول - العدد الأول. سبتمبر 2012
 18. عبد الحافظ حسن عبدالله، الفاتح محمد مالك، على عمر بابكر، معتصم الطيب، اسحق ادم. **التوزيع الجغرافي ومعدل انتشار البلهارسيا بولاية الجزيرة**. مجلة الصحة والتنمية. المجلد الأول - العدد الأول. سبتمبر 2012
 19. Elsharif ME, **Malik EM**, Imam ME, Omran MO, Elsharif EG. **Malaria incidence among kidney-transplanted recipients in an endemic malaria area, Sudan**. *Saudi J Kidney Dis Transpl*. 2012 Sep;23(5):1099-103. doi: 10.4103/1319-2442.100970
 20. Hassan SE, Haggaz AE, Mohammed-Elhassan EB, **Malik EM**, Adam I. **Fluorescence microscope (Cyscope(R)) for malaria diagnosis in pregnant women in Medani Hospital, Sudan**. *DiagnPathol*. 2011 Sep 24;6(1):88
 21. Elmardi KA, Noor AM, Githinji S, Abdelgadir TM, **Malik EM**, Snow RW. **Self-reported fever, treatment actions and malaria infection prevalence in the northern states of Sudan**. *Malar J*. 2011 May 15;10:128
 22. Kai Wang, Sarah Gimbel, **Elfatih Malik**, Sara Hassen& Amy Hagopian (2011): **The experience of Chinese physicians in the national health diplomacy programme deployed to Sudan**. *Global Public Health*, DOI:10.1080/17441692.2011.594450
 23. AM Ahmed, AA Afifi, **EM Malik**, I Adam. **Intestinal protozoa and intestinal helminthic infections among school children in Central Sudan**. *Asian Pacific Journal of Tropical Medicine*, 2010.
 24. Menegon M, Talha AA, Severini C, Elbushra SM, Mohamedani AA, **Malik EM**, Mohamed TA, Wernsdorfer WH, Majori G, Nour BY. **Frequency distribution of antimalarial drug resistance alleles among Plasmodium falciparum isolates from Gezira State, central Sudan, and Gedarif State, eastern Sudan**. *Am J Trop Med Hyg*. 2010 Aug; 83(2):250-7.
 25. Adam I, Salah MT, Eltahir HG, Elhassan AH, Elmardi KA, **Malik EM**. **Dihydroartemisinin-piperazine versus artemether-lumefantrine, in the treatment of uncomplicated Plasmodium falciparum malaria in central Sudan**. *Ann Trop Med Parasitol*. 2010 Jun;104(4):319-26.
 26. Hassan Sel-D, Okoued SI, Mudathir MA, **Malik EM**. **Testing the sensitivity and specificity of the fluorescence microscope (Cyscope) for malaria diagnosis**. *Malar J*. 2010 Mar 31;9:88.
 27. Elamin SB, Awad AI, Eltayeb IB, Elmardi KA, Hassan AH, Mohamed AO, **Malik EM**, Mohamad TA. **Descriptive study on the efficacy of artemether-lumefantrine in the treatment of uncomplicated Plasmodium falciparum malaria in Sudan**. *Eur J ClinPharmacol*. 2010 Mar;66(3):231-7.
 28. El Sayed BB, Malcolm CA, Babiker A, **Malik EM**, El Tayeb MA, Saeed NS, Nugud AH, Knols BG. **Ethical, legal and social aspects of the approach in Sudan**. *Malar J*. 2009 Nov 16;8Suppl 2:S3. Review.
 29. Mustafa HS, **Malik EM**, Tuok HT, Mohamed AA, Julla AI and Bassili A. **Malaria preventive measures, health care seeking behaviour and malaria burden in different epidemiological settings in Sudan**. *TMIH* 2009, Vol 14 (12): 1488–1495

30. Mannan AA, **Malik EM**, Ali KM. **Antimalarial prescribing and dispensing practices in health centres of Khartoum state, 2003-04**. East Mediterr Health J. 2009 Jan-Feb; 15(1):122-8.
31. Elmardi KA, **Malik EM**, Abdelgadir T, Ali SH, Elsyed AH, Mudather MA, Elhassan AH, Adam I. **Feasibility and acceptability of home-based management of malaria strategy adapted to Sudan's conditions using artemisinin-based combination therapy and rapid diagnostic test**. Malar J. 2009 Mar 9;8:39.
32. Adam I, Elmardi KA, **Malik EM**. **Predictors of antimalarial treatment failure in an area of unstable malaria transmission in eastern Sudan**. Trans R Soc Trop Med Hyg. 2009 Jan;103(1):21-4
33. I Adam, A Salih, AH Khamis, **EM Malik**. **Perceptions of the causes of malaria and of its complications, treatment and prevention among midwives and pregnant women of Eastern Sudan**. Journal of Public Health, 2008.
34. Saad El-Din H Hassan, **Elfatih M Malik**, Somia I Okoued and Elsadig M Eltayeb. **Retention and efficacy of long-lasting insecticide-treated nets distributed in eastern Sudan: A two-step community-based study**. Malaria Journal 2008, 7:85
35. Elkhalifa SM, Mustafa IO, Wais M, **Malik EM**. **Malaria control in an urban area: a success story from Khartoum**. East Mediterr Health J. Vol. 14, No. 1, 2008.
36. Ibrahim AM, Kheir MM, Osman ME, Khalil IF, Alifrangis M, Elmardi KA, **Malik EM**, Adam I. **Efficacies of artesunate plus either sulfadoxine-pyrimethamine or amodiaquine, for the treatment of uncomplicated, Plasmodium falciparum malaria in eastern Sudan**. Ann Trop Med Parasitol. 2007 Jan; 101(1):15-21.
37. Abdalla SI, **Malik EM** and Ali KM. **The burden of malaria in Sudan: incidence, mortality and disability-adjusted-life-years**. Malaria Journal 2007, 6:97
38. **MALIK EM**, ALI EM, MOHAMED TA, ELMURDI KA, ELFAKI AA, SAEED OK, ATTA A. **Efforts to Control Malaria in Sudan - case study of the National Malaria Control Programme, 2001-2005**. GIORNALE ITALIANO DI MEDICINA TROPICALE VOL. 11, N. 3-4, 2006
39. **Malik EM**, Mohamed TA, Elmardi KA, Mowien RM, Elhassan AH, Elamin SB, Mannan AA, Ahmed ES. **From chloroquine to artemisinin-based combination therapy: The Sudanese experience**. Malar J. 2006 Jul 31;5:65.
40. **Malik EM**, Hanafi K, Ali SH, Ahmed ES, Mohamed KA. **Treatment-seeking behaviour for malaria in children under five years of age: implication for home management in rural areas with high seasonal transmission in Sudan**. Malar J. 2006 Jul 22;5:60. Malar J. 2006 Jul 22;5:60.
41. **Maik EM**, Eltayeb EM, Elmusaad YE, Elfadil T, Manoncout S, Shears P. **Epidemic meningitis in Khartoum State, Sudan: An epidemiological study of the 1999 epidemic**. SJPH. 2006, Jan; vol 1(1): 13-20
42. Mohamed AO, Eltaib EH, Ahmed OA, Elamin SB, **Malik EM**. **The efficacies of artesunate-sulfadoxine-pyrimethamine and artemether-lumefantrine in the treatment of uncomplicated, Plasmodium falciparum malaria, in an area of low transmission in central Sudan**. Ann Trop Med Parasitol. 2006 Jan;100(1):5-10.
43. Elamin SB, Sidig GE, Elmardi KA, Mohamed TA, Ahmed ES, Mohamed AO and **Malik EM**: **The Efficacy of Artemether/Lumefantrine for the Treatment of Uncomplicated Falciparum Malaria in Children in an Area of High Transmission in Southern Sudan**. SJPH. 2006, July; vol 1(3): 197-202.
44. **Malik EM**, Eltahir HG, Ahmed ES. **Clinical and laboratory aspects of malaria among children with fever in a low transmission area of Sudan**. East Mediterr Health J. 2005 Jul;11(4):753-61.
45. **Malik EM**, Nour SM, Hamid IK, Elmardi KA, Mohamed TA, Ahmed ES: **From home to hospital: Beliefs and practices related to severe malaria in Sudan**. Journal of Family & Community Medicine 2005, 12: 85-90.
46. Elamin SB, **Malik EM**, Abdelgadir T, Khamiss AH, Mohammed MM, Ahmed ES, Adam I. **Artesunate plus sulfadoxine-pyrimethamine for treatment of uncomplicated Plasmodium falciparum malaria in Sudan**. Malar J. 2005 Sep 14;4:41.

47. Onwujekwe O, **Malik el-F**, Mustafa SH, Mnzavaa A. **Do malaria preventive interventions reach the poor? Socioeconomic inequities in expenditure on and use of mosquito control tools in Sudan.** Health Policy Plan. 2006 Jan;21(1):10-6. Epub 2005 Nov 21.
48. Onwujekwe O, **Malik el-FM**, Mustafa SH, Mnzava A. **Socio-economic inequity in demand for insecticide-treated nets, in-door residual house spraying, larviciding and fogging in Sudan.** Malar J. 2005 Dec 15;4(1):62.
49. Salah MT, Mohammed MM, Himeidan YE, **Malik EM**, Elbashir MI, Adam I. **A randomized comparison of sulphadoxine-pyrimethamine and combination of sulphadoxinepyrimethamine with chloroquine in the treatment of uncomplicated falciparum malaria in Eastern Sudan.** Saudi Med J. 2005 Jan;26(1):147-8.
50. Adam I, A-Elbasit IE, Idris SM, **Malik EM** and Elbashir MI. **A comparison of the efficacy of artesunate plus sulfadoxine-pyrimethamine with that of sulfadoxine-pyrimethamine alone, in the treatment of uncomplicated, Plasmodium falciparum malaria in eastern Sudan.** Ann Trop Med Parasitol. 2005 Jul;99(5):449-55.
51. **Malik EM**, Saeed OK: **Malaria in Sudan: past, present and the future.** Gazera Journal of Health Sciences 2004, 1: 47-53.
52. **Malik EM**, Ahmed ES, Elkhalfifa SM, Hussein MA and Sulieman AMN. **Stratification of Khartoum Urban Area by the risk of malaria transmission.** East Mediterr Health J. 2003 Jul;9(4):559-69..

Meeting publications (Participated as a member of MPAC):

1. **WHO Malaria Policy Advisory Committee and Secretariat.** Malaria Policy Advisory Committee to the WHO: conclusions and recommendations of September 2013 meeting. Malaria Journal 2013, 12:456. doi:10.1186/1475-2875-12-456 {Meeting report}
2. **WHO Malaria Policy Advisory Committee and Secretariat.** Malaria Policy Advisory Committee to the WHO: conclusions and recommendations of March 2013 meeting. Malaria Journal 2013, 12:213 (20 June 2013) {Meeting report}
3. **WHOMalariaPolicyAdvisory Committee and Secretariat.** Malaria Policy Advisory Committee to the WHO: conclusions and recommendations of September 2012 meeting. Malar J. 2012 Dec 19;11:424. doi: 10.1186/1475-2875-11-424. {Meeting report}
4. **WHOMalariaPolicyAdvisory Committee and Secretariat.** Inaugural meeting of the malaria policy advisory committee to the WHO: conclusions and recommendations. Malaria Journal 2012, 11:137 (30 April 2012) {Meeting report}

Additional Information

1. Lecturer/ facilitator in community medicine, public health and malaria and communicable diseases control at Sudan Medical Specialization Board and many national universities
2. MSc., MD and PhD thesis supervisor at SMSB, University of Khartoum, University of Gezira and others
3. Associate editor for Public Health Open Journal, Openventio publisher
4. Reviewer for many local and international journals as reflected in <https://publons.com/dashboard/records/review/>
5. Contribute as a founder or main implementer for the following programmes:
 - a. **Gezira Family Medicine Programme:** It is an in-service 2-year Master degree programme for medical doctors conducted in collaboration with Gezira University, Sudan. The programme aims to improve the quality of services at PHC facilities and as well to decrease the high turnover of medical doctors.
 - b. **Public Health Programme:** It is an in-service 2-year Master degree programme for health personnel including medical doctors who are currently leading the health services at state and district level. The programme was conducted in collaboration with Public Health Institute, federal Ministry of Health, Sudan. The programme aims to improve the skills of programme managers and as well to retain them.

- c. **Health and Development Journal:** it is the scientific publication of the ministry of Health, Gezira State aiming to update the knowledge and to disseminate scientific information in Arabic language to health workers and community members.
- d. **Training of Midwives:** increasing the number of midwifery schools from 1 to 9 schools to meet the need of midwives. This done in collaboration with the Federal Ministry of Health and the Academy of Health Sciences.
- e. **Health insurance programme:** Initiated with others the implementation of health insurance in Sudan in Sinnar State at 1995. The Sinnar programme was become a model for other states and many states including Khartoum and Gezira make use of this experience.
- f. **Malaria Control Programme:** Based on the past experience in malaria control in Sudan and with others, I lead a comprehensive programme in 2001 all over the country. This resulted in a functioning malaria control programme in all states.