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Malaria in Kenya

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Malaria in Kenya:

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ABSTRACT: This bibliography contains abstracts of journal articles covering a wide range of topics on malaria in Kenya. Specific areas related to malaria in Kenya include epidemiology, diagnosis, treatment, insecticide-treated bed nets, and malaria in pregnancy. Links to PDF documents are noted where available.

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I. Overview of Malaria in Kenya

One of the major public health issues in Kenya is malaria, with high transmission rates in certain regions of the country. In 2002, a national malaria-control strategy was initiated, which followed a four-pronged approach: 1) prompt and effective treatment, 2) prevention and management of malaria in pregnancy, 3) use of insecticide-treated bed nets (ITNs), and 4) epidemic preparedness and response. Interventions to address malaria are being implemented in 16 districts. These four interventions are integrated management of childhood illness (IMCI), intermittent preventive treatment (IPT) for pregnant women, targeted ITNs, and indoor residual spraying (IRS) for vector control.

This bibliography contains selected citations for journal articles covering a wide range of topics on malaria in Kenya. Specific topic areas related to malaria in Kenya include epidemiology, diagnosis, treatment, insecticide-treated bed nets, and malaria in pregnancy. Links to PDF documents are noted where available.

The following resources provide information on malaria from Kenya's Ministry of Health:

Malaria control, by region: Kenya country profile. *World Malaria Report – 2005*. (2005). Retrieved from the Roll Back Malaria Partnership Web site:
<http://rbm.who.int/wmr2005/profiles/kenya.pdf>

Ministry of Health, Division of Malaria Control. (2001). *Republic of Kenya, Ministry of Health: National malaria strategy 2001–2010*. Retrieved from the Kenya Malaria Information Service Web site:
<http://www.kmis.org/Publications/National%20Malaria%20Strategy/Long%20version.pdf>

Republic of Kenya, Ministry of Health, Division of Malaria Control. (2001). *Insecticide Treated Nets Strategy 2001–2006*. Retrieved from the Kenya Malaria Information Service Web site:
<http://www.kmis.org/ITNStrategy.htm>

II. Reviews and Meta-analyses

Note: Citations and abstracts available from PubMed can be located on its Web site (www.pubmed.gov) by using the corresponding PMID number.

Lewis, G., & Srivastava, D. (2008). Malaria research, 1980–2004, and the burden of disease. *Acta Tropica*, 106(2), 96–103.
PMID: 18395177 [PubMed – indexed for MEDLINE]

Greenwood, B., Fidock, D., Kyle, D., Kappe, S., Alonso, P., Collins, F., et al. (2008). Malaria: progress, perils, and prospects for eradication. *Journal of Clinical Investigation*, 118(4), 1266–1276.

PMID: 18382739 [PubMed – indexed for MEDLINE]

Anderson, T. (2008). Model for malaria. *Nursing Standard*, 22(24), 20–22.

PMID: 18318314 [PubMed – indexed for MEDLINE]

Hopkins, H., Talisuna, A., Whitty, C., & Staedke, S. (2007). Impact of home-based management of malaria on health outcomes in Africa: a systematic review of the evidence. *Malaria Journal* 2007, 6,134. Retrieved from <http://www.malariajournal.com/content/pdf/1475-2875-6-134.pdf>

PMID: 17922916 [PubMed – indexed for MEDLINE]

Gamble, C., Ekwaru, P., Garner, P., & ter Kuile, F. (2007). Insecticide-treated nets for the prevention of malaria in pregnancy: a systematic review of randomised controlled trials. *PLoS Medicine*, 4(3), e107. Retrieved from http://medicine.plosjournals.org/archive/1549-1676/4/3/pdf/10.1371_journal.pmed.0040107-S.pdf

PMID: 17388668 [PubMed – indexed for MEDLINE]

(2007). Special issue on malaria. *The Lancet Infectious Diseases*, 7(2).

This volume is a special issue dedicated to malaria.

Checchi, F., Cox, J., Balkan, S., Tamrat, A., Priotto, G., Alberti, K., et al. (2006). Malaria epidemics and interventions, Kenya, Burundi, Southern Sudan, and Ethiopia, 1999–2004. *Emerging Infectious Diseases*, 12(10), 1477–1485.

PMID: 17176560 [PubMed – indexed for MEDLINE]

Hwang, J., Bitarakwate, E., Pai, M., Reingold, A., Rosenthal, P., & Dorsey, G. (2006). Chloroquine or amodiaquine combined with sulfadoxine – pyrimethamine for uncomplicated malaria: a systematic review. *Tropical Medicine & International Health*, 11(6), 789–799.

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PMID: 16640608 [PubMed – indexed for MEDLINE]

Hill, J., & Kazembe, P. (2006). Reaching the Abuja target for intermittent preventive treatment of malaria in pregnancy in African women: a review

- of progress and operational challenges. *Tropical Medicine & International Health*, 11(4), 409–418.
PMID: 16553924 [PubMed – indexed for MEDLINE]
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PMID: 16515516 [PubMed – indexed for MEDLINE]
- Worrall, E., Basu, S., & Hanson, K. (2005). Is malaria a disease of poverty? A review of the literature. *Tropical Medicine & International Health*, 10(10), 1047–1059.
PMID: 16185240 [PubMed – indexed for MEDLINE]
- Shanks, G., Hay, S., Omumbo, J., & Snow, R. (2005). Malaria in Kenya's western highlands. *Emerging Infectious Diseases*, 11(9), 1425–1432.
PMID: 16229773 [PubMed – indexed for MEDLINE]
- Greenwood, B., Bojang, K., Whitty, C., & Targett, G. (2005). Malaria. *Lancet*, 365(9469), 148–198.
PMID: 15850634 [PubMed – indexed for MEDLINE]
- Shunmay, Y., & White, N. (2005). How do patients use antimalarial drugs? A review of the evidence. *Tropical Medicine & International Health*, 10(2), 121–138.
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- Kremsner, P., & Krishna, S. (2004). Antimalarial combinations. *Lancet*, 364(9430), 285–294.
PMID: 15262108 [PubMed – indexed for MEDLINE]

- Omari, A., Gamble, C., & Garner, P. (2004). Artemether-lumefantrine for uncomplicated malaria: a systematic review. *Tropical Medicine & International Health*, 9(2), 192–199.
PMID: 15040555 [PubMed – indexed for MEDLINE]
- Attaran, A., Barnes, K., Curtis, C., d’Alessandro, U., Fanello, C., Galinski, M., et al. (2004). WHO, the Global Fund, and medical malpractice in malaria treatment. *Lancet*, 363(9404), 237–240.
- Adjuik, M., Babiker, A., Garner, P., Olliaro, P., Taylor, W., & White, N. (2004). Artesunate combinations for treatment of malaria: meta-analysis. *Lancet*, 363(9402), 9–17.
PMID: 14723987 [PubMed – indexed for MEDLINE]
- Amin, A., Marsh, V., Noor, A., Ochola, S., & Snow, R. (2003). The use of formal and informal curative services in the management of paediatric fevers in four districts in Kenya. *Tropical Medicine & International Health*, 8(12), 1143–1152.
PMID: 14641851 [PubMed – indexed for MEDLINE]

III. Malaria Epidemiology and Surveillance

- Siri, J., Lindblade, K., Rosen, D., Onyango, B., Vulule, J., Slutsker, L., et al. (2008). Quantitative urban classification for malaria epidemiology in sub-Saharan Africa. *Malaria Journal*, 7, 34. Retrieved from <http://www.malariajournal.com/content/pdf/1475-2875-7-34.pdf>
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PMID: 14516303 [PubMed – indexed for MEDLINE]

IV. Knowledge, Attitudes, and Practice (KAP)

Osero, J., Otieno, M., & Orago, A. (2006). Mothers' knowledge on malaria and vector management strategies in Nyamira District, Kenya. *East African Medical Journal*, 83(9), 507–514.

PMID: 17447353 [PubMed – indexed for MEDLINE]

Alaii, J., et al. (2003). Perceptions of bed nets and malaria prevention before and after a randomized controlled trial of permethrin-treated bed nets in western Kenya. *American Journal of Tropical Medicine & Hygiene*, 68(4 Suppl), 142–148.

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Polhemus, M., Remich, S., Ogutu, B., Waitumbi, J., Lievens, M., Ballou, W., et al. (2008). Malaria treatment with atovaquone-proguanil in malaria-immune adults: implications for malaria intervention trials and for pre-exposure prophylaxis of malaria. *Antimicrobial Agents and Chemotherapy*, 52(4), 1493-1495.

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Wasunna, B., Zurovac, D., Goodman, C., & Snow, R. (2008). Why don't health workers prescribe ACT? A qualitative study of factors affecting the prescription of artemether-lumefantrine. *Malaria Journal*, 7, 29. Retrieved from <http://www.malariajournal.com/content/pdf/1475-2875-7-29.pdf>

PMID: 18252000 [PubMed – indexed for MEDLINE]

Amin, A., Zurovac, D., Kangwana, B., Greenfield, J., Otieno, D., Akhwale, W., et al. (2007). The challenges of changing national malaria drug policy to artemisinin-based combinations in Kenya. *Malaria Journal*, 6, 72.

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PMID: 16903882 [PubMed – indexed for MEDLINE]

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Ouma, P., van Eijk, A., Hamel, M., Parise, M., Ayisi, J., Otieno, K., et al. (2007). Malaria and anaemia among pregnant women at first antenatal clinic visit in Kisumu, western Kenya. *Tropical Medicine & International Health*,

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PMID: 17697090 [PubMed – indexed for MEDLINE]
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PMID: 12856049 [PubMed – indexed for MEDLINE]

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PMID: 18291008 [PubMed – indexed for MEDLINE]

Obonyo, C., Vulule, J., Akhwale, W., & Grobbee, D. (2007). In-hospital morbidity and mortality due to severe malarial anemia in western Kenya. *American Journal of Tropical Medicine and Hygiene*, 77(6 Suppl), 23–28.

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<http://www.malariajournal.com/content/pdf/1475-2875-6-151.pdf>

PMID: 18005422 [PubMed – indexed for MEDLINE]

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PMID: 17889242 [PubMed – indexed for MEDLINE]

Noor, A., Amin, A., Akhwale, W., & Snow, R. (2007). Increasing coverage and decreasing inequity in insecticide-treated bed net use among rural Kenyan children. *PLoS Medicine*, 4(8), e255. Retrieved from

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PMID: 14641851 [PubMed – indexed for MEDLINE]

IX. Insecticide-treated Bed Nets

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PMID: 18191680 [PubMed – indexed for MEDLINE]
- Wacira, D., Hill, J., McCall, P., & Kroeger, A. (2007). Delivery of insecticide-treated net services through employer and community-based approaches in Kenya. *Tropical Medicine & International Health*, 12(1), 140–149.
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X. Malaria and Nutrition

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XI. Malaria and HIV/AIDS

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