Supplemental Data

Mass Relapse Prevention to Reduce Transmission of

Plasmodium vivax - A Systematic Review

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Supplemental Table 1. Search strategy

Search Name: Cochrane Central Register of Controlled Trials

ID	Search
#2	"antimalarial":ti,ab,kw (Word variations have been searched)
#3	malaria:ti,ab,kw (Word variations have been searched)
#4	MeSH descriptor: [Malaria] explode all trees
#5	MeSH descriptor: [Antimalarials] explode all trees
#6	#2 or #3 or #4 or #5
#7	"mass chemoprophylaxis" or "mass drug administration" or "mass administration"
#8	"mass screening and treatment"
#9	"mass treatment"

Database: Embase 1947-Present, updated daily

1	malaria/ or malaria control/
2	antimalarial agent/ or antimalarial*.mp.
3	(malaria or antimalarial*).ab. or (malaria or antimalarial*).ti.
4	1 or 2 or 3
5	("mass chemoprophylaxis" or "mass drug administration" or "mass administration").mp.
6	mass drug administration.mp.
7	mass treatment.mp.
8	"mass screening and treatment".mp.
9	5 or 6 or 7 or 8
10	4 and 9

Pubmed Search history

Search	Query	
#1	malaria Field: Title/Abstract	
#2	antimalarial* or anti-malarial* Field:Title/Abstract	
#3	(malaria[MeSH Terms]) OR antimalarials[MeSH Terms]	
#4	#1 or #2 or #3	
#5	((mass chemoprophylaxis) OR mass drug administration) OR mass administration	
	Field:Title/Abstract	

#6	"mass screening and treatment" Field: Title/Abstract	
#7	(MDA[Title/Abstract] OR MSAT[Title/Abstract] OR iMSaT[Title/Abstract])	
#8	mass drug administration[MeSH Terms]	
#9	#5 or #6 or #7 or #8	
#10	#4 and #9	

Database : LILACS

Search on:	malaria or antimalarial\$ [Words] and mass administration [Words]
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Supplemental Table 2. List of studies excluded after full review and primary reasons for exclusion

Study	Reason for exclusion
Aliev 2000 ¹	Inadequate comparator arm: Background interventions not
	balanced in both arms
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	balanced in both arms
Cáceres 2004a ³	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Cáceres 2004b ⁴	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Cáceres 2005⁵	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Cáceres 2008 ⁶	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Chagin 1979 ⁷	Insufficient outcomes: No outcomes, contextual factors, or
	mathematical modeling results reported
Henderson 1934 ⁸	Wrong intervention: Not an 8-aminoquinoline
Hsiang 2013 ⁹	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Khaing 2016 ¹⁰	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Landier 2018 ¹¹	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Levenson 1943 ¹²	Wrong intervention: Not an 8-aminoquinoline
Lysenko 1960 ¹³	Wrong intervention: Not mass relapse prevention
Lysenko 1973a ¹⁴	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Lysenko 1973b ¹⁵	Inadequate comparator arm: Control group criteria not met
Marasinghe 2020 ¹⁶	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Polevoy 1975 ¹⁷	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Singh 1968 ¹⁸	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
von Seidlein 2019a ¹⁹	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
von Seidlein 2019b ²⁰	Wrong intervention: MDA with a blood-stage schizonticide and a
	hypnozoiticidal drug
Wojnarski 2016 ²¹	Wrong intervention: Not a treatment dose of an 8-aminoquinoline
Zhang 2014 ²²	Insufficient outcomes. No outcomes, contextual factors, or
3	Insufficient outcomes: No outcomes, contextual factors, or

Notes: MDA = mass drug administration

Supplemental Figure 1. Risk of bias for included studies