



Drug efficacy against *P. vivax*

Summary of treatment failure rates among patients infected with *P. vivax*, grouped by country and treatment

Country	Drug	Follow-up	Study years	No. of studies	median	min	max	percentile 25th	75th
Afghanistan	Artemether-lumefantrine	28 days	2014 - 2014	4	0.0	0.0	0.0	0.0	0.0
	Chloroquine	28 days	2010 - 2016	2	1.1	0.0	2.1	0.5	1.6
	Chloroquine+primaquine	28 days	2010 - 2014	1	0.0	0.0	0.0	0.0	0.0
Bangladesh	Chloroquine+primaquine	28 days	2014 - 2015	1	0.0	0.0	0.0	0.0	0.0
Bhutan	Chloroquine	28 days	2013 - 2015	1	0.0	0.0	0.0	0.0	0.0
	Chloroquine+primaquine	28 days	2010 - 2013	4	0.0	0.0	0.0	0.0	0.0
Bolivia (Plurinational State of)	Chloroquine	28 days	2011 - 2011	1	10.4	10.4	10.4	10.4	10.4
Brazil	Artemether-lumefantrine + primaquine	28 days	2012 - 2015	1	3.6	3.6	3.6	3.6	3.6
	Artesunate-amodiaquine	28 days	2012 - 2013	1	0.0	0.0	0.0	0.0	0.0
	Artesunate-mefloquine + primaquine	28 days	2012 - 2015	1	0.0	0.0	0.0	0.0	0.0
	Chloroquine	28 days	2011 - 2015	3	2.2	0.0	6.4	1.1	4.3
	Chloroquine+primaquine	28 days	2011 - 2018	8	0.0	0.0	1.2	0.0	1.1
Cambodia	Artesunate-mefloquine	28 days	2018 - 2018	3	0.0	0.0	0.0	0.0	0.0
	Artesunate-pyronaridine	28 days	2018 - 2018	2	0.9	0.0	1.7	0.4	1.3
	Chloroquine	28 days	2012 - 2014	2	0.6	0.0	1.2	0.3	0.9
	Dihydroartemisinin-piperaquine	28 days	2010 - 2016	8	0.0	0.0	3.3	0.0	0.0
	Dihydroartemisinin-piperaquine+primaquine	28 days	2010 - 2010	1	0.0	0.0	0.0	0.0	0.0
China	Chloroquine	28 days	2010 - 2015	8	0.4	0.0	2.4	0.0	1.5
Colombia	Chloroquine	28 days	2011 - 2011	1	0.0	0.0	0.0	0.0	0.0
	Chloroquine+primaquine	28 days	2012 - 2013	2	0.7	0.0	1.4	0.4	1.1
Democratic People's Republic of Korea	Artemether-lumefantrine	28 days	2015 - 2015	2	0.0	0.0	0.0	0.0	0.0
	Chloroquine	28 days	2012 - 2017	12	2.2	0.0	4.8	0.0	3.1
	Chloroquine+primaquine	28 days	2012 - 2012	2	4.4	3.2	5.5	3.8	4.9
Ethiopia	Artemether-lumefantrine	28 days	2012 - 2014	1	11.9	11.9	11.9	11.9	11.9
	Artemether-lumefantrine + primaquine	28 days	2012 - 2014	1	2.3	2.3	2.3	2.3	2.3
	Chloroquine	28 days	2010 - 2018	11	4.2	2.3	22.0	2.8	6.3

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Ethiopia	Chloroquine+primaquine	28 days	2012 - 2014	1	0.0	0.0	0.0	0.0	0.0
	Dihydroartemisinin-piperaquine	28 days	2017 - 2018	2	0.0	0.0	0.0	0.0	0.0
French Guiana	Chloroquine	28 days	2010 - 2015	1	4.6	4.6	4.6	4.6	4.6
India	Chloroquine	28 days	2010 - 2017	12	0.0	0.0	0.9	0.0	0.0
	Chloroquine+primaquine	28 days	2011 - 2017	5	0.0	0.0	0.0	0.0	0.0
Indonesia	Artesunate+primaquine	28 days	2013 - 2013	1	0.0	0.0	0.0	0.0	0.0
	Artesunate-amodiaquine+primaquine	28 days	2010 - 2012	1	0.0	0.0	0.0	0.0	0.0
	Artesunate-pyronaridine+primaquine	28 days	2013 - 2013	1	0.0	0.0	0.0	0.0	0.0
	Dihydroartemisinin-piperaquine	28 days	2010 - 2018	7	0.0	0.0	1.2	0.0	0.0
	Dihydroartemisinin-piperaquine+primaquine	28 days	2010 - 2013	3	0.0	0.0	0.6	0.0	0.3
	Quinine+primaquine	28 days	2010 - 2010	1	0.0	0.0	0.0	0.0	0.0
Iran (Islamic Republic of)	Chloroquine	28 days	2010 - 2015	2	0.0	0.0	0.0	0.0	0.0
Lao People's Democratic Republic	Artesunate-mefloquine	28 days	2018 - 2019	1	0.0	0.0	0.0	0.0	0.0
	Artesunate-pyronaridine	28 days	2018 - 2019	1	0.0	0.0	0.0	0.0	0.0
Madagascar	Artesunate-amodiaquine	28 days	2012 - 2013	2	0.0	0.0	0.0	0.0	0.0
Malaysia	Artesunate-mefloquine	28 days	2012 - 2014	1	0.0	0.0	0.0	0.0	0.0
	Chloroquine	28 days	2012 - 2014	1	61.9	61.9	61.9	61.9	61.9
Mauritania	Chloroquine	28 days	2012 - 2012	2	0.0	0.0	0.0	0.0	0.0
Myanmar	Artesunate-pyronaridine	28 days	2017 - 2018	4	0.0	0.0	0.0	0.0	0.0
	Chloroquine	28 days	2010 - 2016	31	0.0	0.0	21.7	0.0	3.6
	Chloroquine+primaquine	28 days	2014 - 2017	6	0.0	0.0	5.6	0.0	2.0
Nepal	Chloroquine	28 days	2010 - 2017	6	0.0	0.0	1.0	0.0	0.0
	Chloroquine+primaquine	28 days	2015 - 2017	1	0.0	0.0	0.0	0.0	0.0
Pakistan	Chloroquine	28 days	2013 - 2013	1	0.0	0.0	0.0	0.0	0.0
	Dihydroartemisinin-piperaquine	28 days	2013 - 2013	1	1.0	1.0	1.0	1.0	1.0
Papua New Guinea	Artemether-lumefantrine	28 days	2011 - 2014	3	7.1	0.0	35.0	3.6	21.1
	Dihydroartemisinin-piperaquine	28 days	2012 - 2014	2	0.0	0.0	0.0	0.0	0.0
Peru	Chloroquine	28 days	2011 - 2013	1	0.0	0.0	0.0	0.0	0.0
	Chloroquine+primaquine	28 days	2011 - 2013	1	0.0	0.0	0.0	0.0	0.0
Philippines	Chloroquine	28 days	2010 - 2016	9	0.0	0.0	9.1	0.0	1.3

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Solomon Islands	Artemether-lumefantrine	28 days	2011 - 2013	2	18.4	5.1	31.6	11.7	25.0
Somalia	Artemether-lumefantrine	28 days	2018 - 2019	1	0.0	0.0	0.0	0.0	0.0
Sudan	Artemether-lumefantrine	28 days	2011 - 2011	1	0.0	0.0	0.0	0.0	0.0
	Artesunate+sulfadoxine-pyrimethamine	28 days	2015 - 2016	2	18.8	4.3	33.3	11.6	26.1
	Artesunate+sulfadoxine-pyrimethamine +primaquine	28 days	2015 - 2016	2	0.0	0.0	0.0	0.0	0.0
Thailand	Chloroquine	28 days	2010 - 2016	14	0.0	0.0	8.1	0.0	3.5
	Chloroquine+primaquine	28 days	2010 - 2014	2	0.3	0.0	0.5	0.1	0.4
	Dihydroartemisinin-piperaquine+primaquine	28 days	2012 - 2014	1	0.0	0.0	0.0	0.0	0.0
Timor-Leste	Artemether-lumefantrine	28 days	2017 - 2019	1	0.0	0.0	0.0	0.0	0.0
	Chloroquine	28 days	2011 - 2013	1	17.5	17.5	17.5	17.5	17.5
Vanuatu	Artemether-lumefantrine	28 days	2011 - 2013	2	6.7	1.2	12.1	3.9	9.4
Venezuela (Bolivarian Republic of)	Chloroquine+primaquine	28 days	2013 - 2013	1	0.0	0.0	0.0	0.0	0.0
Viet Nam	Chloroquine	28 days	2010 - 2016	7	0.0	0.0	13.3	0.0	7.3
	Dihydroartemisinin-piperaquine	28 days	2013 - 2014	1	1.7	1.7	1.7	1.7	1.7