

Supplementary Table 1: Country/area and Antimalarial Drug Therapy used (WHO, 2016)

Designated WHO region	Antimalarial Drug Therapy	
	<i>P. falciparum</i>	<i>P. vivax</i>
Central Africa	AL ^a ; AS+AQ ^b	-
South-East Africa	AL ^a ; AS+AQ ^b	CQ ^α ; AL ^β ; CQ-PQ ^γ ; AL-PQ ^δ ; AS+AQ+PQ ^ε
West Africa	AL ^a ; AS+AQ ^b ; DHA-PPQ ^c	**
Americas	AL ^a ; AL+PQ ^d ; AS+MQ+PQ ^e ; AS+MQ ^f	CQ-PQ ^γ
Eastern Mediterranean	AL ^a ; AL+PQ ^d ; AS+SP+PQ ^g ; AS+SP ^h	CQ-PQ ^γ
South-East Asia	AL ^a ; AL+PQ ^d ; AS+MQ ^f ; AS+SP+PQ ^g ; DHA-PPQ+PQ ⁱ ; DHA-PPQ ^j	CQ+PQ ^γ ; DHA-PPQ+PQ ^ζ
Western Pacific	AL ^a ; AS+AQ ^b ; AL+PQ ^d ; AS+MQ ^f ; DHA-PPQ+PQ ⁱ ; DHA-PPQ ^j ; ART+NQ ^k ; ART-PPQ ^l	CQ+PQ ^γ ; AL+PQ ^δ ; DHA-PPQ ^φ
Antimalarial Drug Therapy Country/area with <i>P. vivax</i> resistant strains		
CQ	Bolivia, Cambodia, China, Democratic People's Republic of Korea, Philippines, Ethiopia, India, Malaysia, Myanmar, Timor – Leste, Vietnam, Madagascar, Afghanistan, Brazil, Columbia, Guyana, Indonesia, Pakistan, Papua New Guinea, Peru, Solomon Islands, Sri Lanka, Thailand, Turkey, Vanuatu	
CQ+PQ	Brazil, Democratic People's Republic of Korea, Philippines	
DHA-PPQ	Pakistan, Cambodia, Viet Nam	
AL	Papua New Guinea, Philippines, Solomon Islands, Vanuatu	

A, Artemether; L, Lumefantrine; AS, Artesunate; AQ, Amodiaquine; DHA, Dihydroartemisinin; PPQ, Piperaquine; PQ, Primaquine; MQ, Mefloquine; SP, Sulfadoxine-Pyrimethamine; NQ, Naphthoquinone, ART, Artemisinin

Central Africa: Angola^a, Burundi^b, Cameroon^b, Central African Republic^a, Chad^{a,b}, Congo^b, Democratic Republic of the Congo^b, Equatorial Guinea^b, Gabon^b, Sao Tome and Principe^b; **South-East Africa:** Botswana^a, Comoros^a, Eritrea^{b,e}, Ethiopia^a, Kenya^a, Madagascar^b, Malawi^a, Mozambique^a, Namibia^{a,b}, Rwanda^a, South Africa^{a,y,d}, South Sudan^{b,e}, Swaziland^a, Uganda^a, United Republic of Tanzania^{a,b}, Zambia^a, Zimbabwe^a; **West Africa:** Algeria^a; Benin^a, Burkina Faso^{a,b}, Cabo Verde^a, Côte d'Ivoire^a, Gambia^a, Ghana^{a,b}, Guinea^b, Guinea-Bissau^a, Liberia^b, Mali^{a,b}, Mauritania^{a,b}, Niger^a, Nigeria^{a,b}, Senegal^{a,b,c}, Sierra Leone^{a,b}, Togo^{a,b}, Mayotte^{a,y}; **Americas:** Argentina^{d,y}, Belize^y, Bolivia (Plurinational State of)^{d,y}, Brazil^{d,e,y}, Colombia^{a,y}, Costa Rica^y, Dominican Republic^y, Ecuador^{d,y}, El Salvador^y, French Guiana^{a,y}, Guyana^{d,y}, Haiti^y, Honduras^y, Mexico^y, Nicaragua^y, Panama^{d,y}, Paraguay^{d,y}, Peru^{f,y}, Suriname^{d,y}, Venezuela (Bolivarian Republic of)^{e,y}; **Eastern Mediterranean:** Afghanistan^{g,y}, Djibouti^{d,y}, Iran (Islamic Republic of)^{g,h,y}, Pakistan^{g,y}, Saudi Arabia^{g,y}, Somalia^{d,d}, Sudan^{a,h,d}, Yemen^{h,y}. **European:** Tajikistan^y; **South-East Asia:** Bangladesh^{a,y}, Bhutan^{a,y}, India^{g,y}, Indonesia^{i,z}, Myanmar^{a,f,j,y}, Nepal^{d,y}, Sri Lanka^{d,y}, Thailand^{j,y}, Timor-Leste^{a,y}; **Western Pacific:** Cambodia^{f,i,q}, China^{b,j,k,l,y}, Lao People's Democratic Republic^{a,y}, Malaysia^{f,y}, Papua New Guinea^{a,d}, Philippines^{d,y}, Solomon Islands^{a,d}, Vanuatu^{a,d}, Viet Nam^{j,y}

**As per World malaria report, WHO, 2016. However, *P. vivax* transmission and treatment is reported in the literature. e.g, *P. vivax* has been reported in Mali. (Howes RE, Reiner Jr., RC, Battle KE, Longbottom J, Mappin B, Ordanovich D, et al. (2015) Plasmodium vivax Transmission in Africa. PLoS Negl Trop Dis 9(11): e0004222. doi:10.1371/journal.pntd.0004222)