



Mekong Malaria Elimination Programme Epidemiology summary

Volume 4, October–December 2018



Overview (October–December 2018)

From October to December 2018, Greater Mekong Subregion (GMS) countries reported 25 974 malaria cases, representing a 21% decrease compared to the same time period in 2017.

Cambodia

The country reported 16 297 cases, a 16% decrease compared to the same time period in 2017. Cases are mostly in the north-eastern and north-western regions of Cambodia, along the forested border areas with Viet Nam, Lao PDR and Thailand.

China

The country reported no indigenous cases.

Lao People's Democratic Republic (PDR)

The country reported 2694 cases, a 14% increase compared to the same time period in 2017. Most cases are in the five southern provinces.

Myanmar

The country reported 3914 cases, a 46% decrease compared to the same time period in 2017. Most cases are in the border states/region to India and Bangladesh.

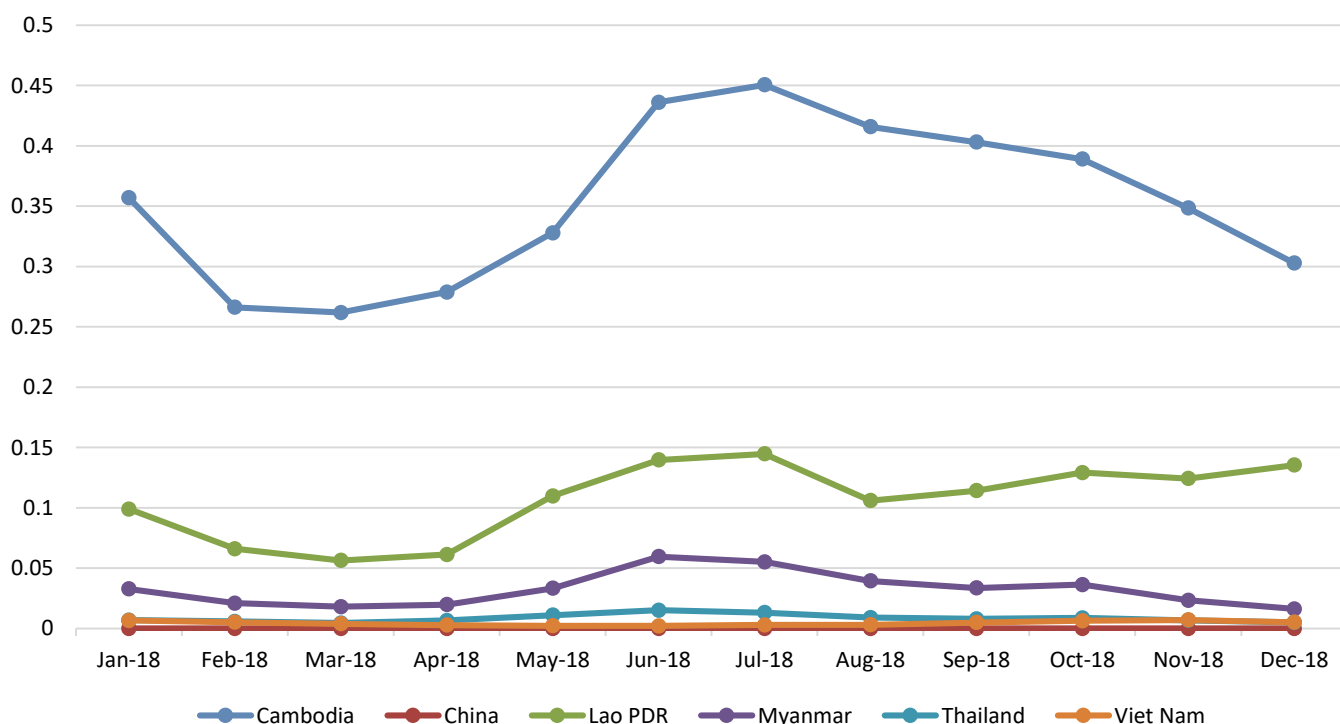
Thailand

The country reported 1358 cases, a 30% decrease compared to the same time period in 2017. Most cases are in the border provinces to Malaysia, Myanmar and Cambodia.

Viet Nam

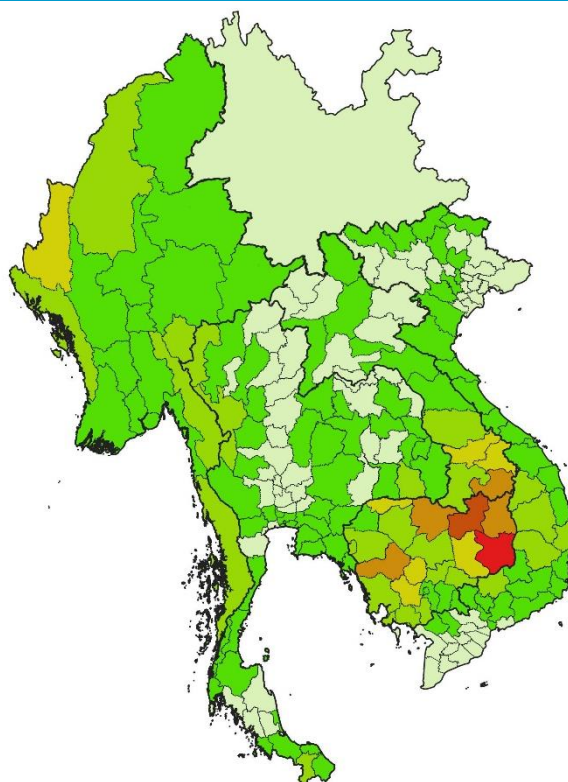
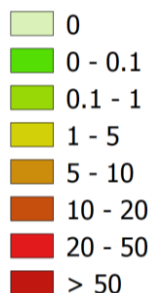
The country reported 1711 cases, a 16% decrease compared to the same time period in 2017. Most cases are indigenous and located in the border provinces to Cambodia.

Monthly malaria incidence in the GMS (2018)*



*Incidence is calculated as the number of reported cases per month per 1000 population.

Incidence per
1000 population



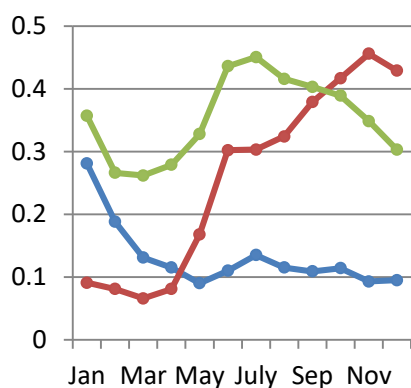
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

*Incidence is calculated as the number of reported cases from October to December 2018 per 1000 population.

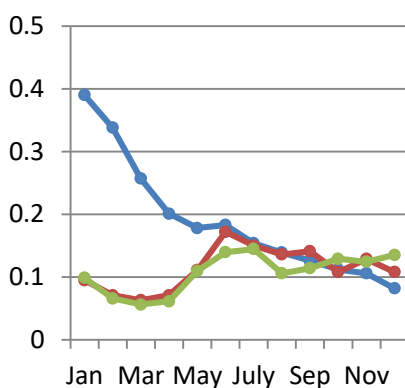
Monthly malaria incidence by country* (2016–2018)

—●— 2016 —●— 2017 —●— 2018

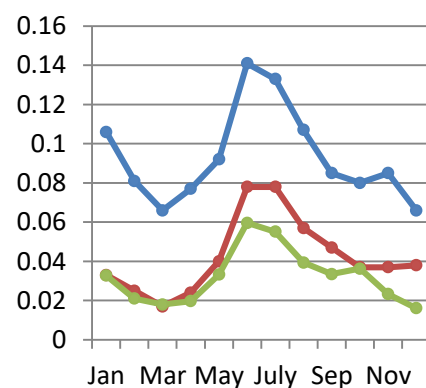
Cambodia



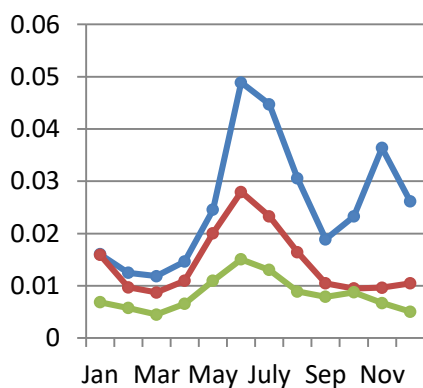
Lao PDR



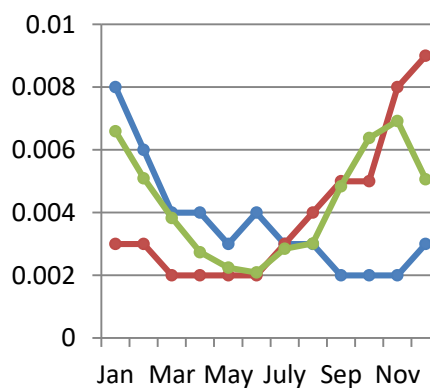
Myanmar



Thailand



Viet Nam

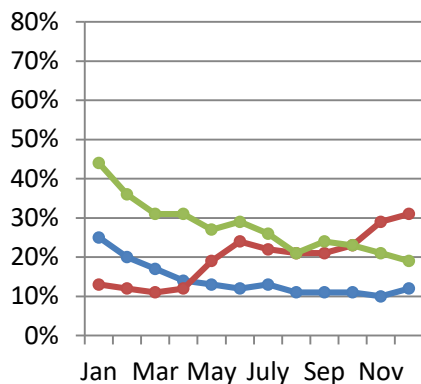


*Incidence is calculated as the number of reported cases per month per 1000 population.

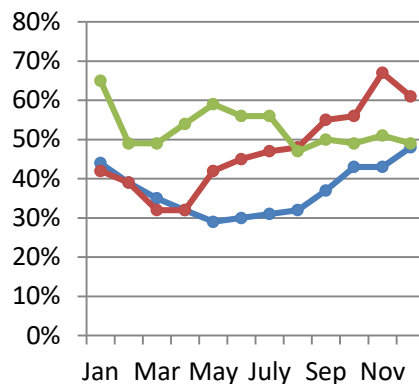
Percentage of *P. falciparum* cases by month by country* (2016–2018)

— 2016 — 2017 — 2018

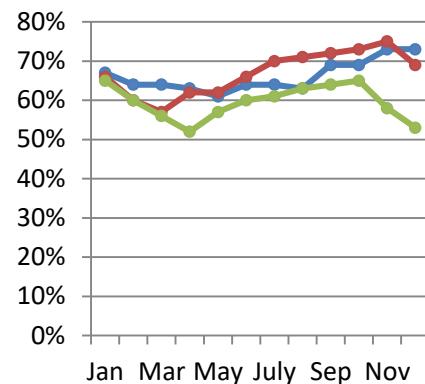
Cambodia



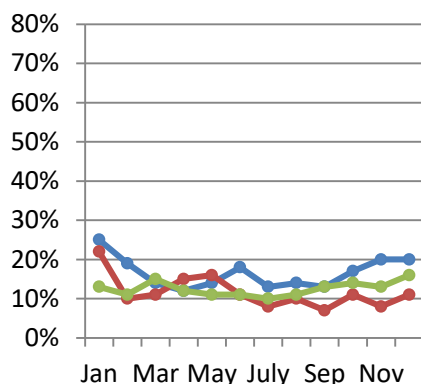
Lao PDR



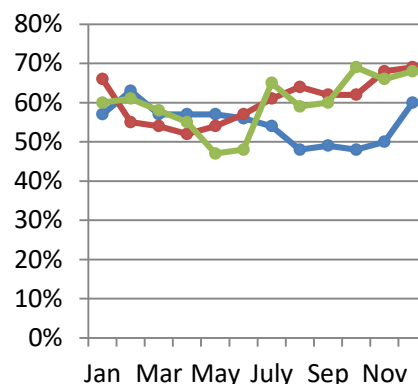
Myanmar



Thailand



Viet Nam

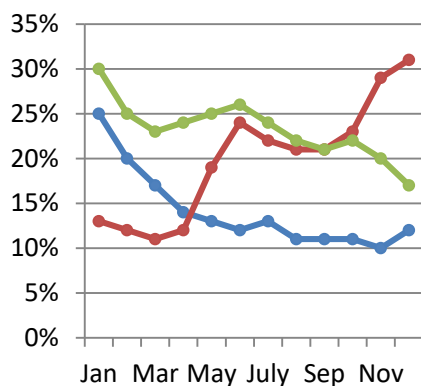


*Percentage of *P. falciparum* cases is calculated as number of confirmed cases due to *P. falciparum* divided by total confirmed cases per month per country.

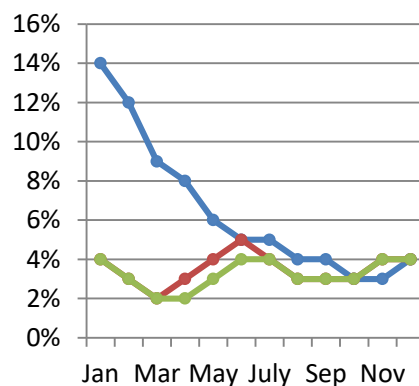
Monthly test positivity rate (TPR) by country* (2016–2018)

— 2016 — 2017 — 2018

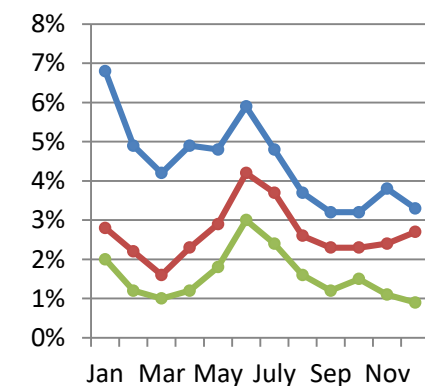
Cambodia



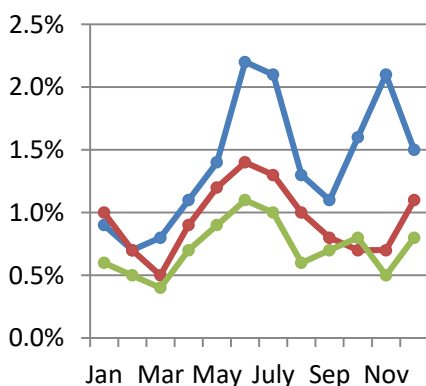
Lao PDR



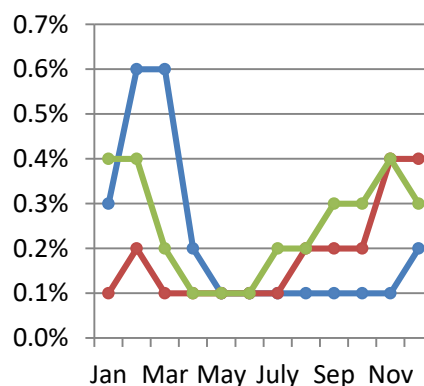
Myanmar



Thailand



Viet Nam



*TPR is calculated as number of confirmed cases divided by number of tested cases (including rapid diagnostic tests and microscopy) per month per country.

Monthly malaria cases and deaths by country in 2017 (January–December)

Country	Surveillance indicator ¹	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cambodia	Deaths	0	0	0	0	0	0	0	0	0	0	1	0
	Suspected cases tested	10 644	9 967	8 955	9 809	13 115	18 660	20 592	22 820	26 735	27 357	23 790	21 141
	Confirmed cases	1 363	1 214	991	1 214	2 524	4 539	4 564	4 880	5 707	6 280	6 865	6 449
	<i>P. falciparum</i> cases	712	571	464	600	1 353	2 570	2 636	2 714	3 323	3 512	3 514	3 203
	<i>P. vivax</i> cases	606	583	489	515	1 040	1 763	1 749	2 003	2 179	2 485	3 104	2 997
	Mixed cases	45	60	38	99	131	206	179	163	205	283	247	249
	Other cases	0	0	0	0	0	0	0	0	0	0	0	0
China	Deaths	0	0	0	0	0	0	0	0	0	0	0	0
	Suspected cases tested	10 669	11 424	11 117	12 432	15 576	14 254	17 108	17 835	21 742	17 974	14 285	11 757
	Confirmed cases	13	43	23	34	39	55	31	21	12	9	5	6
	<i>P. falciparum</i> cases	0	2	0	2	0	1	0	0	2	0	0	2
	<i>P. vivax</i> cases	13	41	23	32	39	54	31	21	10	9	4	4
	Mixed cases	0	0	0	0	0	0	0	0	0	0	1	0
	Other cases	0	0	0	0	0	0	0	0	0	0	0	0
Lao PDR	Deaths	0	0	0	0	0	0	1	0	0	0	1	0
	Suspected cases tested	16 512	14 480	17 612	18 558	20 533	23 289	24 473	28 289	33 424	25 253	20 718	17 117
	Confirmed cases	648	490	430	485	802	1 180	1 031	933	963	740	887	738
	<i>P. falciparum</i> cases	275	190	137	157	338	536	485	444	527	418	594	447
	<i>P. vivax</i> cases	361	295	284	321	454	621	520	449	410	306	284	286
	Mixed cases	12	5	9	7	10	23	26	40	26	16	9	5
	Other cases	0	0	0	0	0	0	0	0	0	0	0	0
Myanmar	Deaths	0	3	1	1	2	2	3	6	3	3	4	2
	Suspected cases tested	72 933	67 027	62 134	56 287	74 548	98 820	117 147	121 981	116 267	99 258	104 306	90 740
	Confirmed cases	2 077	1 462	1 002	1 289	2 193	4 168	4 340	3 231	2 694	2 247	2 532	2 453
	<i>P. falciparum</i> cases	1 375	876	568	804	1 350	2 749	3 041	2 301	1 935	1 640	1 907	1 696
	<i>P. vivax</i> cases	662	558	405	457	804	1 356	1 200	845	682	538	571	715
	Mixed cases	45	34	29	33	44	82	104	92	80	73	56	46
	Other cases	2	0	1	0	2	0	2	0	0	0	1	0
Thailand ²	Deaths	Data not provided											
	Suspected cases tested	102 628	92 906	105 890	78 745	111 183	134 315	113 579	112 696	91 009	88 773	93 208	63 852
	Confirmed cases	1049	638	574	722	1321	1843	1532	1080	691	625	632	694
	<i>P. falciparum</i> cases	226	64	61	106	210	198	129	113	48	65	53	79
	<i>P. vivax</i> cases	769	535	478	573	1047	1566	1329	923	592	516	543	582
	Mixed cases	2	4	3	3	9	8	19	8	4	9	5	5
	Other cases	52	35	32	40	55	71	55	36	47	35	31	28
Viet Nam	Deaths	0	0	0	0	0	1	0	1	0	1	0	2
	Suspected cases tested	247 798	146 774	195 424	180 680	192 568	190 150	199 330	216 387	228 651	221 439	200 388	191 518
	Confirmed cases	313	292	213	168	202	215	267	396	429	492	728	827
	<i>P. falciparum</i> cases	206	162	116	88	110	123	163	252	264	307	494	567
	<i>P. vivax</i> cases	102	118	96	76	88	91	104	140	152	174	221	243
	Mixed cases	4	11	0	4	3	1	0	4	5	11	12	15
	Other cases	1	1	1	0	1	0	0	0	8	0	1	2

¹ Mixed cases include cases identified with more than one *Plasmodium* species. Other cases refer to *P. malariae*, *P. ovale*, *P. knowlesi* and unknown. Data in the

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https://www.yunbaogao.cn/report/index/report?reportId=5_25440

