APLMA LEADERS' DASHBOARD

Tracking Progress Towards Malaria Elimination







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BACKGROUND

A critical part of the Asia Pacific Leaders Malaria Elimination Roadmap ('the Roadmap') endorsed in 2015 was the decision to develop a mechanism to track progress and achievements in malaria control and elimination across Asia and the Pacific.

The APLMA Leaders' Dashboard is the mechanism to help countries track progress towards the 2030 goal. It highlights bottlenecks, encourages prompt action, serves as a key advocacy tool to demonstrate progress in the region, and leverages Governments' and partners continued support for financing malaria elimination.

The Dashboard offers clear milestones for each of the Roadmap's six priority actions.

The first section of the Leaders' Dashboard (Progress towards elimination) is focused on basic indicators to track the disease. These indicators, taken from the WHO World Malaria Report 2021, are designed to give a simple snapshot of the current malaria situation each of our counties, and collectively as a region.

The second section of the Leaders' Dashboard (Roadmap Priority Areas 1-6) has key policy milestones that are color-coded according to the countries' own plans:

Green: countries that have already reached or exceeded the milestone.

Yellow: countries that are in the process of moving towards the milestone according to the countries planned implementation date.

The Technical Annex to the Dashboard offers a more detailed breakdown of technical parameters and epidemiology of malaria elimination in each country, based on the WHO World Malaria Report 2021 and data from the Global Fund to Fight AIDS, Tuberculosis and Malaria (GF). Each parameter is color-coded:

Green: On track/Yes

Yellow: Progress but more effort needed

Red: Not on track/ No

The Dashboard is updated annually and shared during high level meetings to review progress along the Dashboard milestones.

An interactive version of the Dashboard, allowing users to navigate the data by indicators and countries, is available online at dashboard.aplma.org.

ALPHABETICAL

Progres	ss Toward	1 Unite national efforts and regional action						
Country	Indigenous malaria deaths 2020	ria deaths malari		malaria deaths malaria cases units free of		units free of	Functional elimination task force (or equivalent) in place	Costed malaria elimination plan in place and adopted
Afghanistan	0	▼	105,295	6				
Bangladesh	9	▼	6,128	83	2022			
Bhutan	0		22	95				
Cambodia	0	▼	9,234	92				
China	0		0	100				
Democratic People's Republic of Korea	0		1,819	27	No date set			
India	▲ 93	▼	186,532	17				
Indonesia	▼ 32	A	253,955	68				
Lao People's Democratic Republic	0	•	3,494	33	*			
Malaysia	0		0	100				
Myanmar	10	A	58,825	0				
Nepal	0		73	48	*			
Pakistan	80	•	371,828	0	2022			
Papua New Guinea	1 88	A	750,254	0	2022	2022		
Philippines	▼ 3		6,094	99				
Republic of Korea	0		356	82				
Solomon Islands	▼ 3	A	77,637	10	2022	2022		
Sri Lanka	0		0	100				
Thailand	▼ 3	▼	3,009	88				
Timor-Leste	0		3	100	*			
Vanuatu	0		493	33				
Viet Nam	0	•	1,376	57	*			

Map, pre and treat t every	vent, test he disease	Ensure high quality malaria tests, medicines, nets and insecticides	4 Improve targeting and effciency to get the most impact	5 Mobilize domestic financing and leverage external support	6 Innovate for elimination
Case reporting from all providers	Legislation in place to make malaria a notifiable disease within 24-48 hrs	Formal quality monitoring system implemented to ensure the quality of antimalarial commodities and other priority products	Targeting interventions based on up to date malaria risk stratification	Elimination financing sustainability plan developed	Innovative tools/ approaches supported or implemented
	2022	2022			
2022				2023	No date set
				2022	
				*	
No date set ¹	No date set ¹				
				No date set	
2022	2022			*	2022
2022	2022				
	2022			2022	No date set
No date set	No date set		2022	2022	2022
	2022			2022	
No date set	2022		2022	2022	No date set
		2022		No date set	

On track Progress but more effort needed Not on track ★ Achieved in 2021

 $[\]blacktriangle \, lacktriangledown =$ Significant change since previous year

¹ Nationally, India is in malaria control phase; malaria is to be made notifiable disease as states move into elimination phase. As of 2021, 33 states have made it notifiable.

BY STATUS

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Progres	ss Toward	ls Elimina	tion	1 Unite national efforts and regional action			
Country	Indigenous malaria deaths 2020	Indigenous malaria cases 2020	Administrative units free of malaria (%)	Functional elimination task force (or equivalent) in place	Costed malaria elimination plan in place and adopted		
Malaria-Free					,		
China	0	0	100				
Sri Lanka	0	0	100				
Targeting Elimination	on By 2025						
Bhutan	0	22	95				
Democratic People's Republic of Korea	0	1,819	27	No date set			
Malaysia	0	0	100				
Nepal	0	73	48	*			
Republic of Korea	0	356	82				
Thailand	▼ 3	▼ 3,009	88				
Timor-Leste	0	3	100	*			
Vanuatu	0	493	33				
Targeting Elimination	on By 2030						
Afghanistan	0	▼ 105,295	6				
Bangladesh	9	▼ 6,128	83	2022			
Cambodia	0	▼ 9,234	92				
India	▲ 93	▼ 186,532	17				
Indonesia	▼ 32	▲ 253,955	68				
Lao People's Democratic Republic	0	▼ 3,494	33	*			
Myanmar	10	▲ 58,825	0				
Pakistan	80	▼ 371,828	0	2022			
Papua New Guinea	▲ 188	▲ 750,254	0	2022	2022		
Philippines	▼ 3	6,094	99				
Solomon Islands	▼ 3	▲ 77,637	10	2022	2022		
Viet Nam	0	▼ 1,376	57	*			

^{▲ ▼ =} Significant change since previous year

Map, pre and treat t	2 vent, test he disease where	Ensure high quality malaria tests, medicines, nets and insecticides	4 Improve targeting and effciency to get the most impact	5 Mobilize domestic financing and leverage external support	6 Innovate for elimination
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				2022	
2022	2022				
		2022		No date set	
	2022	2022			
2022				2023	No date set
				*	
No date set ¹	No date set ¹			*	
No date set ¹	No date set ¹			*	
No date set ¹	No date set ¹			★ No date set	
No date set ¹	No date set ¹				2022
				No date set	2022 No date set
	2022		2022	No date set ★	
2022	2022 2022		2022	No date set ★ 2022	No date set
2022	2022 2022 No date set		2022	No date set ★ 2022 2022	No date set

On track Progress but more effort needed Not on track 🛨 Achieved in 2021

¹ Nationally, India is in malaria control phase; malaria is to be made notifiable disease as states move into elimination phase. As of 2021, 33 states have made it notifiable.

APLMA Dashboard:

"Progress Towards Elimination" indicator descriptions

The first section of the Dashboard is focused on basic indicators to track the disease. These indicators are designed to give a simple snapshot of the current malaria situation each of our counties, and collectively as a region. A more complete picture of the malaria situation for each country can be found in the Technical Annex.

1. Indigenous malaria deaths 2020

All confirmed malaria deaths reported in the country minus imported deaths for countries with case investigation (i.e. cases not proven to be imported by case investigation are assumed indigenous).

Source: World Malaria Report 2021 (WMR 2021) Annex 5-J

Scoring: WHO (originally for African Leaders' Malaria Alliance [ALMA])

< 10

10 - 50

> 50

2. Indigenous malaria cases 2020

All confirmed malaria cases reported in the country minus imported cases for countries with case investigation (i.e. cases not proven to be imported by case investigation are assumed indigenous).

Source: WMR 2021 Annex 5-I.

Scoring: WHO (originally for ALMA)

< 1,000

1,000 - 50,000

> 50,000

3. Administrative units free of malaria (%)

The percentage of administrative units that did not report indigenous cases of malaria in the last reporting year (2021 for country reported figures and 2017 for data taken from WMR for DPRK and Myanmar).

Source: Country Programs (2021 data) / WMR Country Profiles (2017 data for DPRK and Myanmar)

Scoring: APLMA

> 60%

TECHNICAL ANNEX



TECHNICAL ANNEX

ALPHABETICAL

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	Status					Epiden	niology					
	Status	WHO Es	stimates			С	ountry Re	ported Da	ta			
	Country program status	On track in 2019 for GTS milestone to reduce malaria incidence by 40% by 2020 (vs 2015)	WHO estimated indigenous malaria casess	Confirmed malaria cases	Indigenous malaria deaths	Indigenous malaria cases	Confirmed Pf cases	Confirmed malaria cases per 1000 population	Test positivity rate (Slide/RDT)	Suspected malaria cases tested with RDT or microscopy (%)	Confirme malaria cases investigat (%)	
Afghanistan	Moving to Elimination		253,158	▼ 105,295	0	▼ 105,295	2,979	▼ 2.7	12.5	▼ 89		
Bangladesh	Moving to Elimination		7,545	▼ 6,130	9	▼ 6,128	▼ 4,883	0.0	0.4	100		
Bhutan	E2025		22	54	0	22	0	0.0	0.2	100	1	
Cambodia	Moving to Elimination		69,136	▼ 9,234	0	▼ 9,234	▼ 936	▼ 0.6	1.3	100		
China	Malaria Free		0	▼ 1,051	0	0	0	0.0	0.1	100	1	
Democratic People's Republic of Korea	E2025		1,819	1,819	0	▼ 1,819	0	0.1	0.5	100		
India	Moving to Elimination		4,148,253	▼ 186,532	▲ 93	▼ 186,532	▼ 119,087	0.1	0.2	100		
Indonesia	Moving to Elimination		784,854	▲ 254,055	▼ 32	▲ 253,955	▲ 166,955	0.9	13.5	97		
Lao People's Democratic Republic	Moving to Elimination		5,674	▼ 3,498	0	▼ 3,494	1,612	▼ 0.5	0.6	100		
Malaysia	E2025		0	231	0	0	0	0.0	0.3	100		
Myanmar	Moving to Elimination		82,434	▲ 58,836	10	▲ 58,825	▼ 15,191	1.1	1.6	100		
Nepal	E2025		245	430	0	73	5	0.0	0.3	100		
Pakistan	Moving to Elimination		542,960	▼ 371,828	80	▼ 371,828	▼ 78,751	1.7	5.2	100		
Papua New Guinea	Moving to Elimination		1,470,120	▲ 750,254	▲ 188	▲ 750,254	▲ 561,654	▲ 83.9	53.3	▼ 89		
Philippines	Moving to Elimination		43,023	6,120	▼ 3	6,094	5,322	▼ 0.1	2.6	100		
Republic of Korea	E2025		356	386	0	356	0	0.0		▼ 89		
Solomon Islands	Moving to Elimination		114,019	▲ 77,637	▼ 3	▲ 77,637	25,566	113.0	▲ 34.2	95		
Sri Lanka	Malaria Free		0	30	0	0	0	0.0	0.0	100	1	
Thailand	E2025		3,007	▼ 3,940	▼ 3	▼ 3,009	171	0.0	0.5	100		
Timor-Leste	E2025		4	14	0	3	3	0.0	0.0	100	1	
Vanuatu	E2025		910	507	0	493	38	1.6	1.7	1 00	A	
Viet Nam	Moving to Elimination		1,657	▼ 1,422	0	▼ 1,376	803	0.0	0.1	100	1	
Data Source	WHO	WMR 2021 Regional Profiles	WMR 2021 Annex 5-F	WMR 2021 Annex 5-G	WMR 2021 Annex 5-J	WMR 2021 Annex 5-I	WMR 2021 Annex 5-I (indigenous for countries with case	WHO	WMR 2021 Annex 5-H	WMR 2021 Annex 5-H	WHC	

 $[\]blacktriangle$ \blacktriangledown = Significant change since previous year

	Policy						Financial	,	Vector		
		ment	Treat	е	urveillanc	S	Financiai	;	Resistance	ľ	Control
	Quality assurance oversight by reference laboratory	Treatment of Pv with primaquine	Treatment of Pf with primaquine	Foci and case investigation undertaken	Case reporting from private sector mandatory	Malaria is a notifiable disease (<48hrs)	Malaria program financing funded by domestic sources (%)	Insecticide susceptibility monitored (2018-20) and reported to WHO	Multidrug resistance identified	Therapeutic efficacy monitoring undertaken for Pf and results shared (2020/21)	Population at high risk potentially protected by TN / IRS (%)
Afghanista							13	4			70
Banglades							8	2			100
Bhuta							60				100
Cambodi							10	2			36
Chin							100 *	4			
Democrat People's Republ of Kore							98	0			94
Ind							94	4			67
Indonesi							66	3			41
Lao People Democrat Republ							22				59
Malays							100 *	1			100
Myanma							29	3			100
Nep							68	3			68
Pakista							66	4			19
Papua Ne Guine							31	1			97
Philippine							61				59
Republic o Kore							100*				
Solomo Island							85	1			100
Sri Lank							87	4			
Thailan							50	2			51
Timor-Lest							21	1			100
Vanuat							21 *	0			73
Viet Na							55				41
Data Sourc	WHO	WMR 2021 Annex 5-A	WMR 2021 Annex 5-A	WMR 2021 (yellow - case investigation only)	WHO	WHO	Global Fund Data for 2020 (* non GF countries WMR 2021 Annex 5-C)	WHO (No. of Insecticide classes with mosquito resistance confirmed since 2010)	GMP database (Red multidrug resistance identified / Yellow artemisinin resistance only)	GMP database (Yellow ongoing)	WMR 2021 .nnex 5-D / WMR 2021 App

TECHNICAL ANNEX
BY STATUS

	.					Epiden	niology					
	Status	WHO Es	timates			Country Reported Data						
	Country program status	On track in 2019 for GTS milestone to reduce malaria incidence by 40% by 2020 (vs 2015)	WHO estimated indigenous malaria casess	Confirmed malaria cases	Indigenous malaria deaths	Indigenous malaria cases	Confirmed Pf cases	Confirmed malaria cases per 1000 population	Test positivity rate (Slide/RDT)	Suspected malaria cases tested with RDT or microscopy (%)	Confirme malaria cases investigat (%)	
China	Malaria Free		0	▼ 1,051	0	0	0	0.0	0.1	100	1	
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Data Source	WHO	WMR 2021 Regional Profiles	WMR 2021 Annex 5-F	WMR 2021 Annex 5-G	WMR 2021 Annex 5-J	WMR 2021 Annex 5-I	WMR 2021 Annex 5-I (indigenous for countries with case	WHO	WMR 2021 Annex 5-H	WMR 2021 Annex 5-H	WHC	

^{▲ ▼ =} Significant change since previous year

	Policy								Resistance		Vector
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Chin							100 *	4			
Sri Lank							87	4			
Bhuta							60				100
Democrati People's Republi of Kore							98	0			4 94
Malaysi							100 *	1			100
Nepa							68	3			▼ 68
Republic o Kore							100 *				
Thailan							50	2			▼ 51
Timor-Lest							21	1			100
Vanuat							21 *	0			▼ 73
Afghanista							13	4			70
Banglades							8	2			100
Cambodi							10	2			▼ 36
Indi							94	4			67
Indonesi							66	3			41
Lao People Democrati Republi							22				59
Myanma							29	3			100
Pakista							66	4			19
Papua Nev Guine							31	1			97
Philippine							61				▼ 59
Solomo Island							85	1			100
Viet Nar							55				7 41
Data Sourc	WHO	WMR 2021 Annex 5-A	WMR 2021 Annex 5-A	WHO (yellow - case investigation only)	WHO	WHO	Global Fund Data for 2020 (* non GF countries WMR 2021 Annex 5-C)	WHO (No. of Insecticide classes with mosquito resistance confirmed since 2010)	GMP database (Red multidrug resistance identified / Yellow artemisinin resistance only)	GMP database (Yellow ongoing)	WMR 2021 Annex 5-D / WMR 2021 App

13

Technical Annex Indicator Descriptions

1. Achieved Global Technical Strategy for Malaria (GTS) milestone to reduce malaria incidence by 40% by 2020 (vs 2015)

Best available indicator with near term predictions for all APLMA countries based on the GTS milestones. Going forward this indicator will be replaced by the GTS indicator of 90% reduction by 2030. There are currently no published "on track / off track" indicators for all APLMA countries estimating progress towards elimination in 2030.

Source: WMR 2021 Regional Profiles

Scoring: WHO



2. WHO estimated indigenous malaria cases

WHO does a country by country estimate of indigenous malaria cases based on modeling and country reported data which for high burden countries is often very different from the cases reported by the countries own surveillance system.

Source: WMR 2021 Annex 5-F

Scoring: WHO (originally for ALMA)



3. Confirmed malaria cases

All confirmed malaria cases reported in the country.

Source: WMR 2021 Annex 5-G showing reported cases by place of care. For some countries there is a need to make adjustments where private sector and community cases were also included in the public sector column.

Scoring: WHO (originally for ALMA)



4. Indigenous malaria deaths

All confirmed indigenous (for countries with case investigation) malaria deaths reported in the country.

Source: WMR 2021 Annex 5-J

Scoring: WHO



5. Indigenous malaria cases

All confirmed malaria cases reported in the country minus imported cases for countries with case investigation (i.e. cases not proven to be imported by case investigation are assumed indigenous). For countries with very low percentage of cases investigated (indicator 10) this indicator will be very close to indicator 2 (Confirmed malaria cases).

Source: WMR 2021 Annex 5-I.

Scoring: WHO (originally for ALMA)



6. Confirmed Plasmodium falciparum (Pf) cases

Confirmed Pf cases reported in the country (indigenous for countries with case investigation).

Source: WMR 2021 Annex 5-I showing reported cases by species.

Scoring: WHO (originally for ALMA)



7. Confirmed malaria cases per 1000 population

Number of reported confirmed malaria cases per 1000 population at risk (uses UN populations).

Source: WHO

Scoring: WHO (originally for ALMA)



8. Test positivity rate (Slide/RDT)

Percentage of Rapid Diagnostic Test (RDT) / Slide that are positive.

Source: WMR 2021 Annex 5-H
Scoring: WHO (originally for ALMA)



9. Suspected malaria cases tested with RDT or microscopy (%)

WHO does a calculation of suspected cases and compares this with the number of tests.

Source: WMR 2021 Annex 5-H

Scoring: WHO (originally for ALMA)



10. Confirmed malaria cases investigated (%)

Number of cases investigated as a percentage of total cases reported. Some countries, including those who are not in elimination stage, have yet to implement case investigation. For those, it is assumed that zero cases are investigated (red).

Source: WHO

Scoring: APLMA



11. Population at high risk potentially protected by Insecticide Treated Nets (ITNs) / Indoor Residual Spray (IRS) (%)

Estimate of number of high risk people protected by ITN or IRS.

Source: WMR 2021 Annex 5-D / WMR 2021 App

Scoring: APLMA

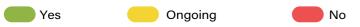


12. Therapeutic efficacy monitoring undertaken for Pf and results shared (2020/2021)

Has the country undertaken Therapeutic Efficacy Studies for Pf in the latest two years and the results shared with WHO. This indicator is not relevant for countries with no or very low numbers of Pf.

Source: WHO Global Malaria Program (GMP) database

Scoring: WHO



13. Multidrug resistance identified

Does the country have confirmed multidrug resistance?

Source: WHO Global Malaria Program (GMP) database

Scoring: WHO



14. Insecticide susceptibility monitored (2018-20) and reported to WHO

Does the country undertake insecticide susceptibility monitoring?

Source: WHO Global Malaria Program (GMP) database

Scoring: APLMA



In addition to the color coding the number of classes with mosquito resistance confirmed since 2010 is shown as a number

15. Malaria program financing funded by domestic sources (%)

Percentage of malaria program financing from national government

Source: Global Fund to Fight Aids Tuberculosis and Malaria (non-GF countries, China, Malaysia, Republic of Korea and Vanuatu, WMR 2021 Annex 5-C)

Scoring: No scoring at present – for information only

16. Malaria is a notifiable disease (<48hrs)

Does the country mandate by law that each individual case of malaria must be reported within 24-48 hrs.

Source: WMR 2021 country report policy section

Scoring: APLMA



17. Case reporting from private sector mandatory

Does the country require private sector facilities to report all cases of malaria?

Source: WHO

Scoring: APLMA

Yes

18. Foci and case investigation undertaken

Does the country have policies to undertake case and foci investigation?

Source: WMR 2021

Scoring: APLMA

Case investigation only

19. Treatment of Plasmodium falciparum (Pf) with primaquine

Does the country have a policy to use a Single low dose of primaquine with ACT to reduce transmissibility of pf..

Source: WMR 2021 Annex 5-A

Scoring: APLMA

Yes

20. Treatment of Plasmodium vivax (Pv) with primaguine

Does the country have a policy to use primaquine is used for radical treatment of Pv cases?

Source: WMR 2021 Annex 5-A

Scoring: APLMA suggested

Yes

21. Quality assurance oversight by reference laboratory

Does the country have diagnostic quality assurance oversight by a reference laboratory?

Source: WHO

Scoring: APLMA

Yes

No

The Leaders' Dashboard is the mechanism to help countries track progress towards the 2030 goal. It highlights bottlenecks, encourages prompt action, serves as a key advocacy tool to demonstrate progress in the region, and leverages governments' and partners' continued support for financing malaria elimination.

For more information, please visit

www.aplma.org





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Scan to visit the online Dashboard