7 August 2025

Update on the Dengue situation in the Western Pacific Region

This report describes the epidemiology of dengue in the World Health Organization Western Pacific Region. Data are compiled from open sources (national indicator-based surveillance systems) with the exception of Lao People's Democratic Republic and Viet Nam, where data are provided by the WHO Country Offices. For the Pacific Island Countries, syndromic surveillance data are provided by the WHO Division of Pacific Technical Support. Data from Indonesia has not been included in this report due to ongoing internal arrangements. Information is reported based on countries' standard dengue case definitions, summary of these definitions and countries' dengue surveillance systems - included as an annex to this report. Due to differences in surveillance methods and reporting practices, a comparison of trends between countries and areas is not possible, however, national trends can be observed over time.

Northern Hemisphere

Cambodia

There is no update in this reporting period. As of 22 July 2025 (epidemiological week 28), a total of 17,728 dengue cases, including 32 deaths (case fatality rate [CFR]: 0.18%), have been reported through the National Dengue Surveillance System. This represents an increase compared to the same period in 2024, when 7,440 cases and 24 deaths were reported.

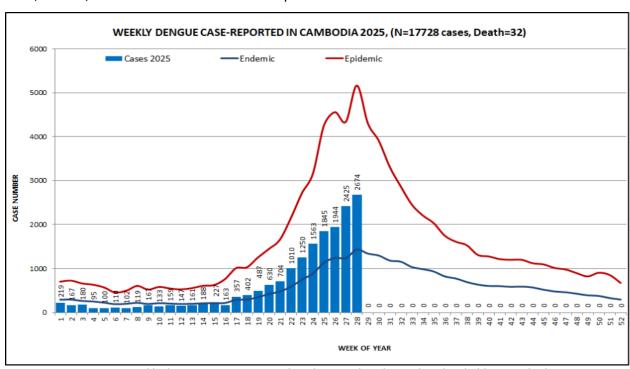


Figure 1: Weekly dengue cases in 2025 with endemic and epidemic alert thresholds in Cambodia Source: National Dengue Surveillance System (NDCP/CNM/MOH)

China (Monthly update)

In July 2025, a total of 694 dengue cases were reported in China, an increase from 225 cases reported in June 2025. The number of dengue cases reported in July 2025 is higher compared to the same period in 2024 (n=554) (Figure 2). Cumulatively, a total of 1 257 dengue cases have been reported this year, as of July 2025.

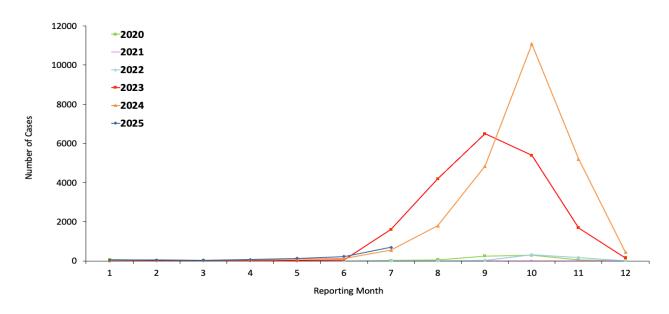


Figure 2: Dengue cases reported monthly from 2020-2025 (as of July 2025) in China Source: National Disease Control and Prevention Administration, China

Indonesia (Monthly update)

In June 2025, a total of 8 075 new dengue cases and 25 deaths were reported in Indonesia. The number of dengue cases in June 2025 is 66.5% lower than the same period in 2024 (Figure 3). Cumulatively, a total of 89 845 dengue cases have been reported this year, as of June 2025. In July 2025, 931 new cases were reported, as of 25 July 2025. The cases in July are currently being compiled.

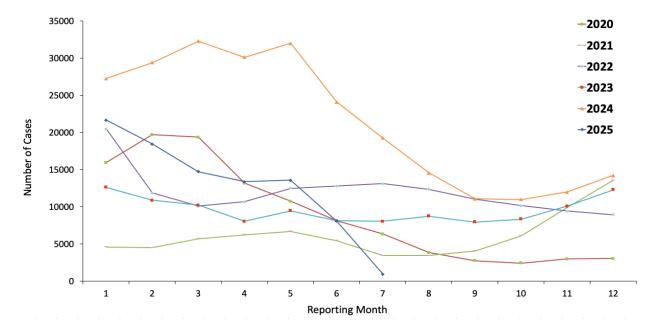


Figure 3: Dengue cases reported monthly from 2020-2025 (as of 25 July 2025) in Indonesia Source: Ministry of Health, Indonesia

Note: The data included here may be subject to delays or variations in case notifications over time. Therefore, the data presented in this report may be retrospectively revised.

Lao People's Democratic Republic

In epidemiological week 30 (20 to 26 July 2025), 470 dengue cases and no deaths were reported (Figure 4). The number of cases decreased in comparison to the number of cases reported in epidemiological week 29 (624 cases). One death has been reported this year. The cumulative number of cases reported in 2025 (as of epidemiological week 30) is 4 712, which is 44.9% lower than during the same period in 2024 (n=8 557).

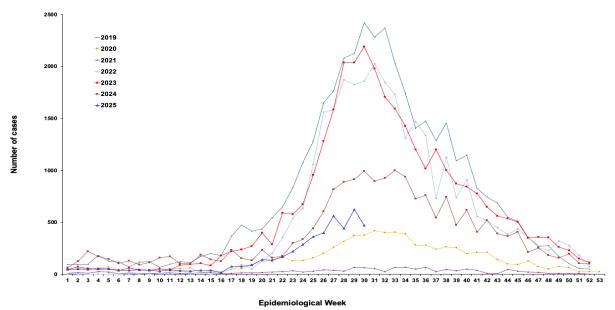


Figure 4: Dengue cases reported weekly from 2019-2025 in Lao PDR
Source: National Centre for Laboratory and Epidemiology, Ministry of Health, Lao PDR

Malaysia (Monthly update)

In epidemiological week 30 of 2025 (20 to 26 July 2025), 988 new dengue cases were reported in Malaysia, a decrease from 1 013 cases in week 29 (Figure 5). There was a decreasing trend in number of cases from week 24. Cumulatively, 35 348 cases have been reported in 2025.



Figure 5: Number of dengue cases reported in 2025, compared to 2024 and 5-year median (2020-2024), Malaysia

Source: Ministry of Health, Malaysia

Singapore

In epidemiological week 30 of 2025 (20 to 26 July 2025), there were 77 dengue cases, reported in Singapore. Cumulatively, a total of 2 963 dengue cases have been reported in 2025, which is a 71.5% decrease compared to the same period in 2024 (n=10 387). Preliminary results of all positive dengue samples serotyped in July 2025 showed DEN-1, DEN-2, DEN-3 and DEN-4 at 11.0%, 62.0%, 23.0% and 4.0%, respectively.

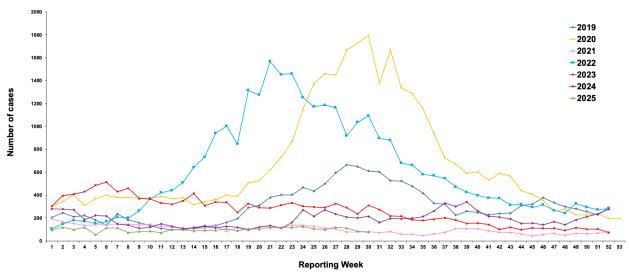


Figure 6: Dengue cases reported weekly from 2019-2025 (as of 28 June 2025) in Singapore

Source: Communicable Diseases Division, Ministry of Health, Singapore

(Note: Case numbers are derived from the MOH Singapore's weekly-infectious-disease-bulletin-year-2025_upload as available from

MOH | Weekly Infectious Diseases Bulletin)

Viet Nam

There is no update in this reporting period. In epidemiological week 25 (16 to 22 June 2025), a total of 1 950 cases and no deaths were reported. This represents an increase of 17.5%, compared to the previous week (1 660 cases). As of 22 June 2025, there have been 28 787 cases, including five deaths reported this year. Compared to the same period in 2024 (29 672 cases and six deaths), there has been a 3.0% decrease in the cumulative number of cases and one less death.

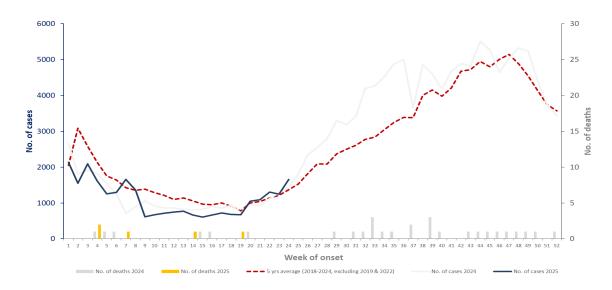


Figure 7: Number of dengue cases and deaths in 2024-2025 by week of onset, as of week 25 of 2025, Viet Nam Source: Vietnam Administration of Disease Control (VADP), Ministry of Health, Viet Nam.

Note: Data reporting might be delayed or updated; recent data will be subject to revision.

Southern Hemisphere

Australia (Monthly update)

From 1 to 31 July 2025, a total of 103 dengue notifications were reported in Australia, a decrease compared to 119 notifications in June 2025. The number of dengue notifications in July 2025 is 51.6% lower than the same period in 2024 (Figure 8).

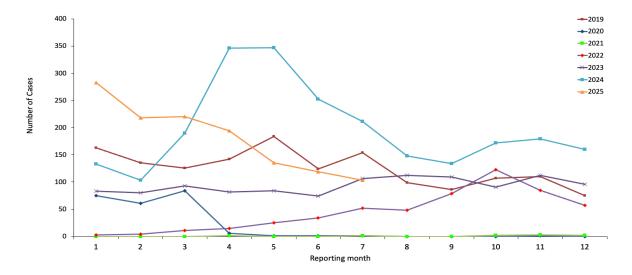


Figure 8: Laboratory-confirmed dengue notifications reported monthly from 2019-2025 in Australia

Source: <u>Department of Health, Australia</u>

<u>Note:</u> The graph was updated as of 6 August 2025. The data included here are reliant on the provision of data from states and territories to the Australian Government Department of Health and Aged Care, which may cause backlogs and large variabilities in case notifications over time. The data included in this report are, therefore, subject to retrospective revision and may vary from reports published in NNDSS reports or reports of notification data by states and territories.

Pacific Islands Countries

French Polynesia

In epidemiological week 30 (21 to 27 July) of 2025, 12 confirmed dengue cases were reported with no deaths and no hospitalisations (Figure 9). Cumulatively, a total of 2 456 cases have been reported since 27 November 2023.

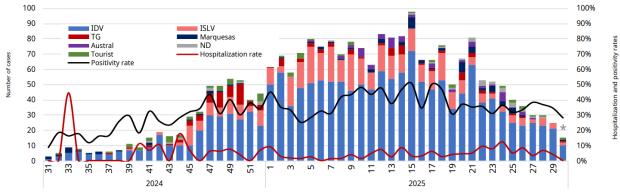


Figure 9: Weekly reported dengue cases from Epi week 29 of 2024 to Epi week 30 of 2025 in French Polynesia Source: <u>Bulletin de Surveillance Sanitaire</u>, <u>Polynésie française - N°28/2025</u>

Note: Îles du Vent (IDV), Îles Sous le Vent (ISLV), Tuamotu-Gambier Islands (TG), Nuku-Hiva (ND)

In week 24, 23 cases of dengue-like illness (DLI) were reported in French Polynesia, which is lower than the same period in 2024 and the 5-year median (Figure 10).

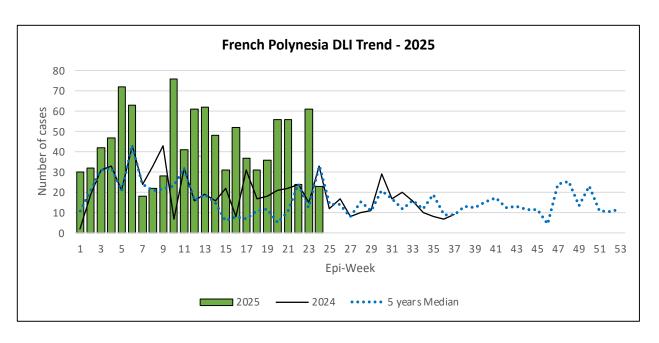


Figure 10: Weekly reported cases of dengue-like illness (DLI) in French Polynesia

Source: WHO Division of Pacific Technical Support (Pacific Syndromic Surveillance System Weekly Bulletin)

New Caledonia

As of 3 August 2025, a total of 20 dengue cases have been confirmed, in which twelve were imported and eight were local cases of dengue type 1 (DENV-1). A total of 11 dengue cases were reported in 2024 in New Caledonia (Figure 11). Currently, there is no ongoing dengue outbreak in New Caledonia.

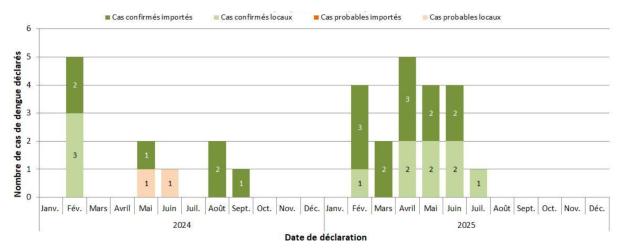


Figure 11: Dengue cases reported by month from 1 January 2024 to 3 August 2025 in New Caledonia

Source: Network of sentinel physicians, New Caledonia

In week 24 of 2025, no DLI cases were reported in New Caledonia. Cumulatively, a total of three DLI cases have been reported as of week 24 (Figure 12).

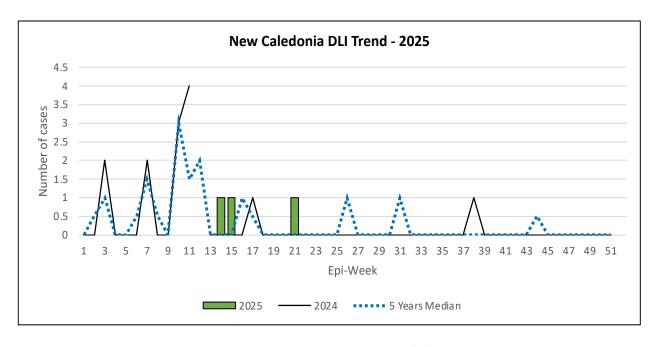
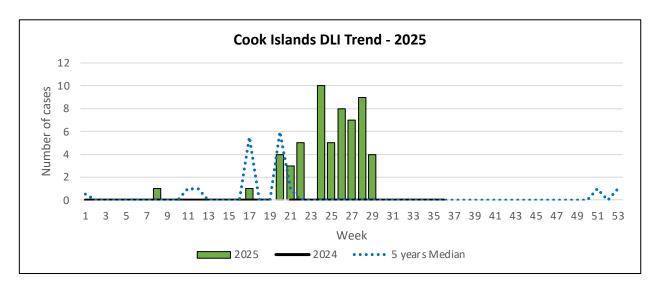
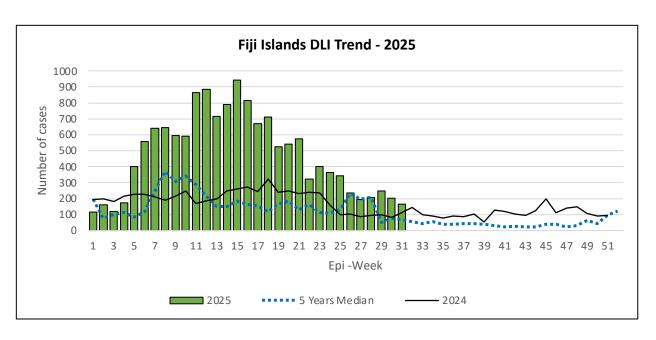


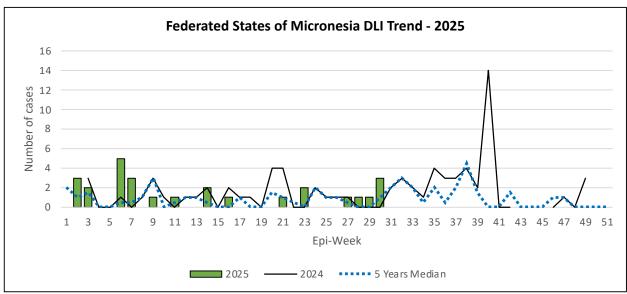
Figure 12: Weekly reported cases of dengue-like illness (DLI) in New Caledonia Source: WHO Division of Pacific Technical Support (Pacific Syndromic Surveillance System Weekly Bulletin)

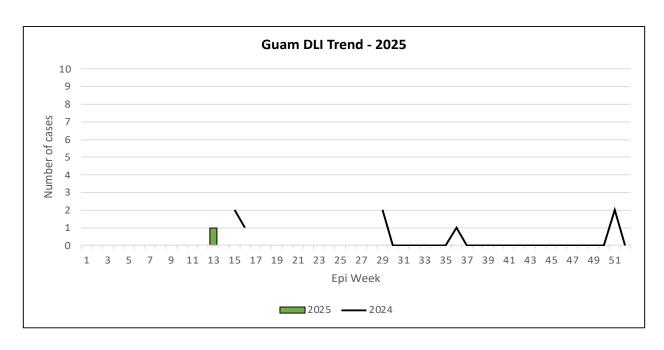
Other Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance

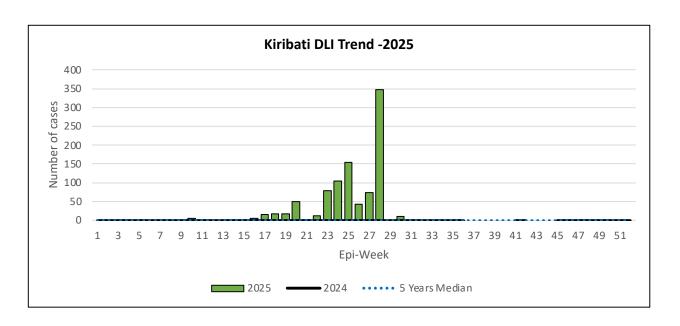
Among the PICs with available surveillance data (20/21 PICs), a decreasing trend in DLI cases was reported in Cook Islands and Tonga during weeks 28-29. On the other hand, an increasing trend was observed in Fiji, Kiribati, and Samoa. In Nauru, the number of DLI cases sharply increased in week 29 but began to decline afterward. The remaining PICs reported either no or low numbers of DLI cases or provided no updates (Figure 13).

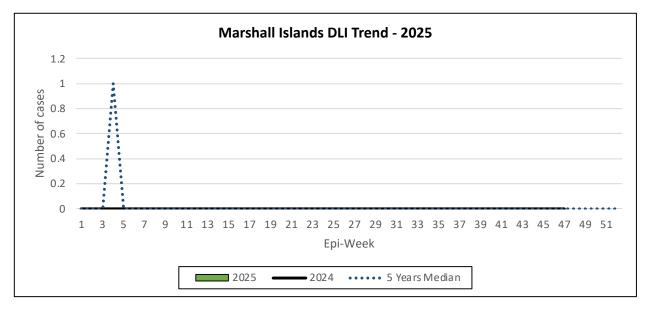


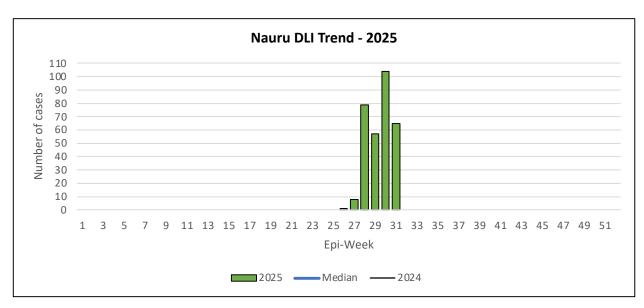


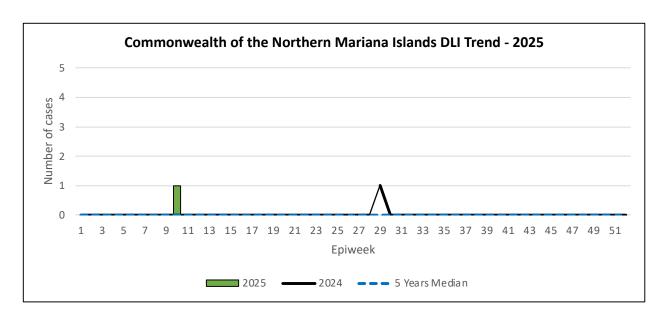


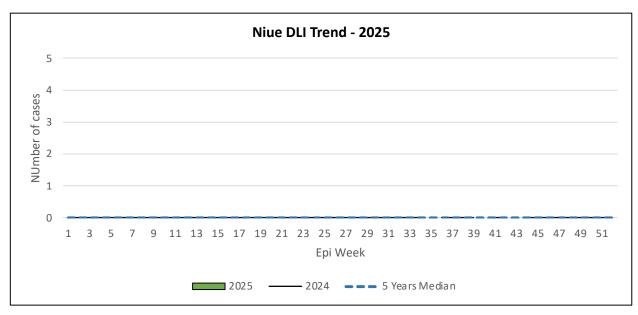


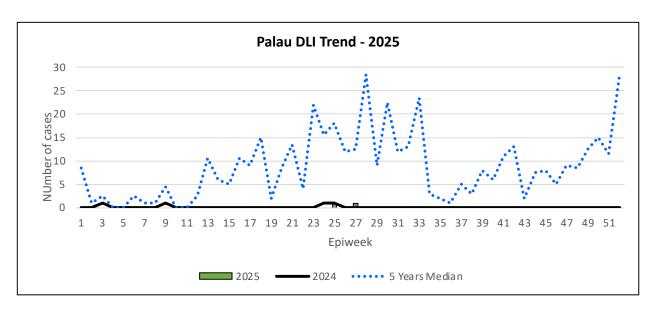


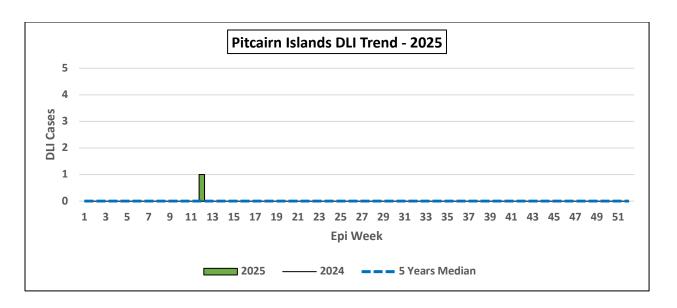


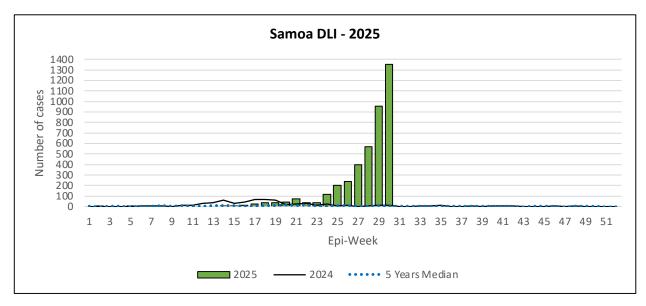


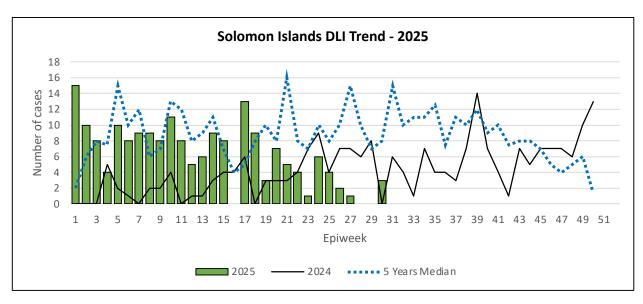


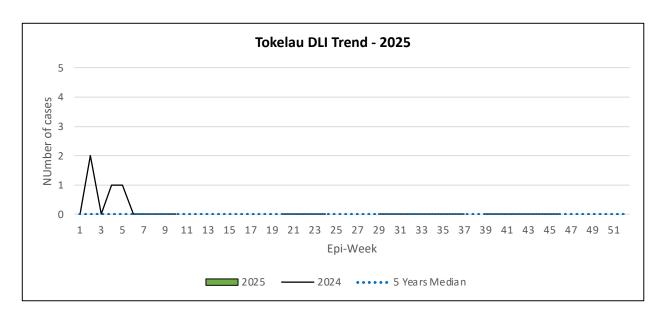


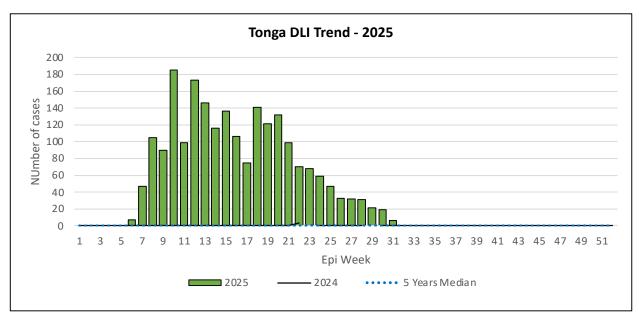


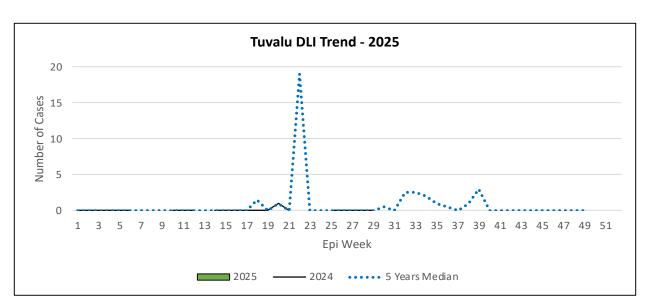


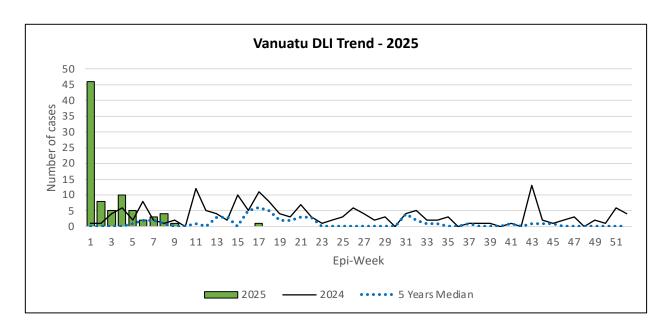












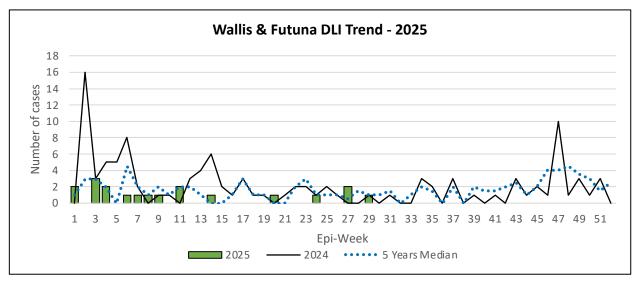


Figure 13. Weekly reported cases of dengue-like illness (DLI) in Pacific Islands Countries and Areas Source: WHO Division of Pacific Technical Support

Note: Caution should be taken in interpreting these data as there may be changes in the number of sentinel sites reporting to the Pacific Syndromic Surveillance System (PSSS). Furthermore, the syndromic case definition of DLI may capture cases with nondengue acute febrile illnesses (AFI) with similar clinical manifestations to dengue. This includes AFI such as chikungunya, influenza, hantavirus, leptospirosis, malaria, measles, paratyphoid and typhoid fevers, scrub typhus, yellow fever, zika, other diseases. The PSSS may also capture dengue cases under 'prolonged fever' surveillance. Alert threshold for DLI is twice the average number of cases seen in the previous 3 weeks.

Annex 1. Summary of dengue case definitions, laboratory sampling and testing methods used for surveillance in Member States

Country	Case definition		Surveillance system		
	Clinically confirmed case	Laboratory confirmation required	Description	Laboratory sampling and testing method	Reference
Australia	Fever, headache, arthralgia, myalgia, rash, nausea and vomiting	Yes	Dengue is a nationally notifiable disease and cases are monitored through the National Notifiable Diseases Surveillance System (NNDSS) indicator-based surveillance system.	Both confirmed and probable cases are nationally notifiable. A confirmed case requires both laboratory definitive evidence and clinical evidence. A probable case requires either laboratory suggestive evidence and clinical evidence and epidemiological evidence, or clinical evidence and household epidemiological evidence.	1
				Laboratory definitive evidence: - Isolation of dengue virus, or - Detection of dengue virus by nucleic acid testing, or - Detection of NS1 antigen in the blood by EIA, or - IgG seroconversion or significant increase in antibody levelor fourfold or greater rise in titre to dengue virus (proof by neutralization or another specific test) - Detection of dengue virus-specific IgM in cerebrospinal fluid, in the absence of IgM to Murray valley encephalitis, West Nile virus/Kunjin, or Japanese encephalitis viruses.	
				Laboratory suggestive evidence: - Detection of NS1 antigen in blood by rapid antigen test, or - Detection of dengue virus-specific IgM in blood	
				Epidemiological evidence: - Exposure between 3 – 14 days prior to onset either in a country with known dengue activity or in a dengue-receptive area in Australia where a locally-acquired or imported case has been documented with onset within a month.	

				Household epidemiological evidence: - Living in the same house as a locally-acquired case in a dengue-receptive area of Australia within a month of onse in the case and at least one case in the chain of epidemiologically linked cases is laboratory confirmed.	
Cambodia	Suspected dengue: very high fever at 39-40 degrees celcius for 2-7 days (usually 3-4 days), with 2 or more of the following signs: flushed face, headache, retro-orbital pain, myalgia/arthralgia, cutaneous rash, haemorrhagic signs (petechiae, positive tourniquet test), and leucopenia. Probable dengue: signs of suspected dengue plus laboratory test results (see right column)) or that the case occurred in an area where the dengue case has been confirmed.	Yes	National Dengue Control Program (NDCP) enhanced sentinel surveillance system Communicable Disease Control (CDC) syndromic surveillance system (CamEWARN). Health Management Information System (HMIS) collects data on confirmed cases and deaths.	Data collected for Cambodia Laboratory Information System (CamLIS), comprised of 32 participating hospital laboratories where NS1 detection is conducted. Laboratory testing: Antibody HI>= 1/1280 or IgM/IgG positive by ELISA test in convalescence serum	2
China	1) Typical dengue fever can be diagnosed with any of the following conditions: - General clinical symptoms of dengue fever, with an epidemiological history (having been to an area where dengue fever is prevalent within 14 days before onset), or living or working in an area where dengue fever cases have occurred within the past month, and with reduced white blood cell count and platelet count (below 100x10^9/L) - No epidemiological history, but with a rash, bleeding tendency, and positive IgG or IgM antibodies in a single serum sample.	No	Reported to the Chinese Centre for Disease Control and Prevention (China CDC) through the Chinese National Notifiable Infectious Disease Reporting Information System (CNNDS).	A clinically diagnosed case with any of the of the following laboratory findings: - Isolation of the dengue virus from the serum, cerebrospinal fluid, blood cells, or tissues of an acute-phase patient - Detection of dengue virus gene sequence by RT-PCR or real-time fluorescent quantitative PCR - Detection of dengue virus NS1 antigen in serum from an acute-phase patient - A fourfold or greater increase in specific antibody titer in the convalescent phase compared to the acute phase.	3. WHO internal communication

					1
	2) Dengue Hemorrhagic Fever can be				
	diagnosed when accompanied by any				
	of the following clinical symptoms:				
	 Bleeding tendency, significant 				
	bleeding manifestations (such				
	as gastrointestinal bleeding or				
	hemorrhage in the chest,				
	abdomen, or cranium),				
	hepatomegaly, and ascites; and				
	 Laboratory findings including 				
	thrombocytopenia (platelet				
	count below 100x10^9/L),				
	hemoconcentration (an increase				
	in hematocrit of more than 20%				
	above normal levels or a				
	decrease of more than 20%				
	after fluid resuscitation), and				
	hypoalbuminemia.				
	3) Dengue Shock Syndrome: Patients				
	with dengue hemorrhagic fever				
	presenting with cold and clammy skin,				
	restlessness, rapid and weak pulse,				
	low blood pressure with a narrow				
	pulse pressure (less than 20mmHg or				
	2.7kPa), and reduced urine output.				
Indonesia	Confirmed case: Dengue Hemorrhagic	Yes	Dengue is a nationally notifiable disease and cases are	Confirmed dengue cases can be reported based	4, 5
	Fever (DHF) clinically diagnosed**	(lab	monitored through the weekly Early Warning Alert and	on clinically diagnosed or confirmed NS1/IgG-	,
	and/or confirmed by NS1/IgG-IgM	confirmed by	Response System indicator-based and near real time	IgM dengue testing and/or PCR.	
	Dengue testing and/or PCR. (Cases	NS1/lgG-lgM	event based surveillance system (Ref EWARS guideline		
	reported by the Arbovirosis team,	and /or PCR	2024).		
	Ministry of Health)	or clinically	,	Confirmed case based on Clinical Diagnosis	
	1) Dengue fever can be diagnosed	diagnosed by	National Dengue Control Programme (Arbovirosis	(Source: Dengue Prevention and Control	
	with any of the following conditions:	blood count	programme Ministry of Health) collects dan report	Guidelines, Ministry of Health, 2017) with the	
	- Bleeding manifestations,	laboratory	monthly data on confirmed cases and deaths.	following conditions:	
	leukopenia (Leukocytes ≤ 5,000	result)	,		
	/mm³),thrombocytopenia	,	National Dengue Control Programme (Arbovirosis	Dengue Fever (DF)	
	(Platelets < 150,000 /mm		Programme Ministry of Health) conduct dengue	Clinical diagnosis with bleeding	
	3),hematocrit increase of 5–10%		sentinel surveillance system for serotyping data.	manifestations,Leukopenia (Leukocytes ≤	
	2) Dengue Hemorrhagic Fever can be			5,000 /mm³),Thrombocytopenia (Platelets <	
	diagnosed when accompanied by any			150,000 /mm³), Hematocrit increase of 5 - 10%	
				130,000 / IIIII J, Hematocht increase of 3 = 10%	
	of the following clinical symptoms:			Dangua Hamarrhagic Favor (DUE) Clinical	
	- Spontaneous bleeding or			Dengue Hemorrhagic Fever (DHF), Clinical	
	positive tourniquet test,			diagnosis with spontaneous bleeding or positive	

	thrombocytopenia (Platelets ≤ 100,000 /mm³), evidence of plasma leakage marked by one or more of the following* * Hematocrit increase / hemoconcentration ≥ 20% from baseline, pleural effusion, ascites, or hypoproteinemia / hypoalbuminemia. 3) Dengue Shock Syndrome: Patients with dengue hemorrhagic fever presenting with signs and symptoms of hypovolemic shock, either compensated or decompensated.			tourniquet test, Thrombocytopenia (Platelets ≤ 100,000 /mm³), Evidence of plasma leakage marked by one or more of the following: Hematocrit increase / hemoconcentration ≥ 20% from baseline, Pleural effusion, ascites, or hypoproteinemia / hypoalbuminemia Dengue Shock Syndrome (DSS) Clinical diagnosis fulfilling DHF criteria along with signs and symptoms of hypovolemic shock, either compensated or decompensated.	
Lao People's Democratic Republic	WHO dengue case classification (2009) †	No	National Surveillance System for Notifiable Selected Diseases, indicator-based surveillance system that consists of passive weekly reports of clinically suspected cases, on admission, from all health-care facilities across the country.		6
Malaysia	WHO dengue case classification (2009) †	Yes	National Dengue Surveillance System, indicator-based surveillance system	All suspected cases are to be tested by the following laboratory tests: Rapid Combo Test (RCT) (NS1, IgM, IgG), Dengue Antigen and Serology tests by ELISA, Dengue Viral RNA Detection (Real time RT-PCR), Viral Isolation	7
Philippines	WHO dengue case classification (2009) †	Yes	Philippine Integrated Disease Surveillance and Response (PIDSR), indicator-based surveillance system. Reporting delays of 2-3 weeks, making comparison of current weekly and cumulative figures with previous years difficult.	Confirmed dengue is a suspect case with positive (+) viral culture isolation and/or PCR. NS1 (+), IgM is used to identify probable dengue.	8, 9, 10
Singapore (endemic)	Fever, headache, backache, myalgia, rash, abdominal discomfort and thrombocytopenia and laboratory testing (see right column)	Yes	Dengue is a legally notifiable disease in Singapore and notifying the Ministry of Health should not be later than 24 hours from the time of diagnosis.	Laboratory confirmation is done using standard diagnostic tests for the detection of dengue NS1 antigen, IgM and IgG, or RT-PCR.	11, 12
Viet Nam (endemic)	Acute onset of fever continuously lasting from 2-7 days AND at least 2 of the following: haemorrhagic manifestation /presentation; headache, loss of appetite, nausea, vomiting; rash; muscle pain, joint pain, orbital pain; lethargy; abdominal pain.	No		As per the MOH dengue surveillance guideline, in routine surveillance MAC-ELISA is conducted for at least 7% and virus isolation is conducted for at least 3% of clinical cases. In an outbreak, at least 5 to 10 suspected cases are tested.	13

Pacific Island	WHO dengue case classification	No	Pacific Syndromic Surveillance System	Confirmed case: Isolation of dengue virus or	14
Countries	(2009) †			detection of dengue-specific antigen or	
				antibodies in tissue, blood, CSF or other body	
				fluid by an advanced laboratory test	

Only the minimum criteria required for fulfilling a clinical dengue case definition are included here; additional signs and symptoms required for more severe forms are not listed.

† A probable dengue case is defined as any case living in or travel to dengue endemic area with fever and two or more of the following: nausea, vomiting, rash, aches and pains, positive tourniquet test, leucopenia and any warning sign. A case with warning signs is defined as a clinically diagnosed case with any of the following: abdominal pain or tenderness, persistent vomiting, clinical fluid accumulation, mucosal bleed, lethargy, restlessness, liver enlargement > 2 cm and increase in haematocrit concurrent with rapid decrease in platelet count. Severe dengue is defined as severe plasma leakage leading to any of the following: shock, fluid accumulation with respiratory distress OR severe bleeding as evaluated by clinician OR severe organ involvement of liver (aspartate amino transferase or alanine amino transferase ≥ 1000), central nervous system (impaired consciousness) or heart and other organs.¹⁵

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