



WEEKLY DENGUE UPDATE

Week 24 (10th – 16th June 2024)

National Dengue Control Unit, Ministry of Health

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Week
24

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In 2024, for the first 15 weeks, there was a rapid decline in case reporting due to effective vector control activities. However, with the activation of the rainy season, from the 16th week (i.e. 15th – 21st April 2024) up to the current reporting week (Week 24), there has been a gradual increase in case reporting. Compared to the case reporting in 2023, it is evident that the rate of increment is very slow in 2024.

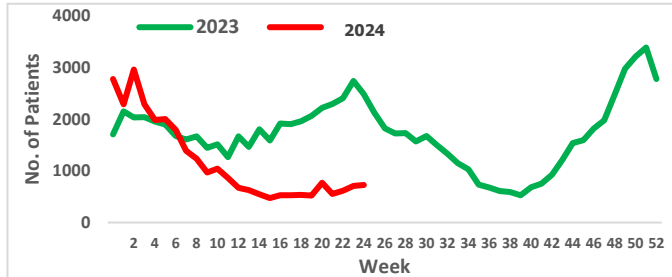
Based on the current trend of case reporting and the projected weather patterns in the upcoming weeks, more cases can be expected, particularly from the Colombo (including Colombo Municipal Council area), Gampaha, Kalutara, Ratnapura, Kegalle, Kandy and Galle districts. However, this increase is not expected to be as high as in 2023.

During the inter-monsoonal period of January to May 2023, the lowest number of dengue cases (1,259) were reported in the 11th week (i.e. 13th – 19th March 2023). Subsequently, the number of cases gradually rose to 2,730 in week 23 (i.e. 5th – 11th June 2023). In 2024, up to the 24th week, the lowest number of cases was reported in week 15 (472 cases).

DENGUE CASE REPORTING

During 24th week, 722 suspected dengue cases were reported in 22 districts in comparison to 704, in 24 districts during the 23rd week. There is 2.6% increase in 24th week, compared to the previous week. Of all reported cases, 45.8% were from Western Province [Colombo Municipal Council – 11.6%, rest of the Colombo District – 15.2%, Gampaha District – 13.9% and Kalutara District – 5.1%]. Ratnapura [13.3%], Kandy [10.8%], Kegalle [4.6%] and Kurunegala [3.7%] districts also have reported higher number of cases (Table 1).

WEEKLY DISTRIBUTION OF DENGUE PATIENTS in 2023 and 2024



Source: DenSys and NaDSys – Dengue Surveillance Systems

HIGH RISK MOH AREAS (Table 2)

During 24th week, 13 MOH areas were flagged as high-risk. Of them 7 MOH areas showed rising number than their respective numbers in previous week. Persistently high number of patients are observed in 7 MOH areas in both 23rd and 24th weeks.

Yatinuwara, Dehiwala, Maharagama, Nugegoda and Attanagalla MOH areas were newly flagged as high-risk MOH areas in the 24th week. Eheliyagoda, Kiriella, Rathnapura, Rathmalana, Kolonnawa and Wattala MOH areas flagged as high-risk in the 23rd week were not flagged in the current week.

Table 1: Reported dengue cases in week 24 and 23 of 2024

District/ RDHS	No. of cases					
	2023 Week		2024 Week		Up to Week 24	
	23	24	23	24	2023	2024
Colombo	707	543	194	194	9771	5797
Gampaha	582	518	97	100	10146	2567
Kalutara	201	167	35	37	2913	1408
Kandy	261	237	69	78	2707	2060
Matale	39	32	4	8	709	267
Nuwara Eliya	8	15	4	4	103	88
Galle	73	81	32	23	1389	1228
Hambantota	52	60	4	2	791	337
Matara	32	63	6	2	790	396
Jaffna	55	44	23	24	1472	3944
Kilinochchi	1	5	Nil	Nil	62	213
Mannar	4	1	2	Nil	76	140
Vavuniya	7	1	3	Nil	103	63
Mullaitivu	8	9	Nil	Nil	100	121
Batticaloa	81	94	15	19	1835	1058
Ampara	3	5	4	1	118	108
Trincomalee	73	59	10	8	1735	439
Kalmunai*	25	32	9	5	1419	463
Kurunegala	126	90	39	27	1633	1181
Puttalam	46	36	9	13	2620	719
Anuradhapura	38	37	10	5	429	264
Polonnaruwa	28	22	4	6	378	170
Badulla	27	22	6	18	540	413
Monaragala	25	19	13	19	271	409
Ratnapura	136	139	87	96	1723	1527
Kegalle	92	146	25	33	1779	1141
Total	2730	2477	704	722	45612	26521

Source: DenSys (Dengue Sentinel Site Surveillance, Epidemiology Unit) and NaDSys (Dengue Surveillance, National Dengue Control Unit)

*Ampara district is divided into two Regional Directorates of Health Services (RDHS) as Ampara & Kalmunai

■ Districts reporting higher number of cases.

Table 2: High risk MOH areas (13)

MOH Area	Cases reported		MOH Area	Cases reported		MOH Area	Cases reported		MOH Area	Cases reported	
	Week 23	Week 24		Week 23	Week 24		Week 23	Week 24		Week 23	Week 24
WESTERN PROVINCE			Dehiwala	7	16	Kelaniya	14	10	Yatinuwara	2	11
Colombo District			Maharagama	7	13	Attanagalla	5	11	SABARAGAMUWA PROVINCE		
CMC	66	100	Nugegoda	7	15	CENTRAL PROVINCE			Rathnapura District		
Battaramulla	03	13	Gampaha District			Kandy District			Pelmadulla	12	11
Gothatuwa	16	16	Biyagama	18	18	MC Kandy	17	13	Kuruwita	12	12

Table 3: Hospitals with high average midnight totals and admissions for dengue patients in the week 24

Hospital	Average Midnight Total			Hospital	Average Midnight Total			Hospital	Average Midnight Total		
	Week 23	Week 24	Change		Week 23	Week 24	Change		Week 23	Week 24	Change
NHSL	31	31	-	BH- Wathupitiwala	2	7	↑	DGH- Embilipitiya	4	4	-
NH-Kandy	18	20	↑	DGH- Negombo	6	6	-	BH- Kiribathgoda	5	4	↓
TH-Col-South	18	18	-	BH-Kahawatta	6	5	↓	TH- Kalutara	4	4	-
NIID	20	17	↓	DGH-Matale	3	5	↑	PGH-Badulla	2	4	↑
TH-Ratnapura	17	17	-	TH-Peradeniya	5	5	-	DGH-Moneragala	2	4	↑
LRH	8	12	↑	TH-Karapitiya	7	5	↓	DGH-Avissawella	7	4	↓
TH-Col-North	6	11	↑	DGH- Matara	5	5	-	DGH- Gampaha	3	4	↑
TH-Anuradhapura	1	11	↑	DGH-Kegalle	5	5	-				
BH- Mawanella	4	7	↑	BH- Panadura	2	4	↑				

Table 4: Dengue related deaths

	2023	2024		2023	2024
Reported Deaths	62	09	Case Fatality Rate	0.07%	0.04%

Deaths reported in 2024 [Age & Sex]					
Age Group (Yrs.)	Male	Female	Age Group (Yrs.)	Male	Female
Less than 01	-	-	35 - 44	-	2
01 - 04	-	1	45 - 54	-	-
05 - 14	-	-	55 - 64	-	-
15 - 24	-	2	65 & above	-	1
25 - 34	1	2	Total	1	8

Deaths reported in 2024 [Districts/Admin area] [Provisional]					
District/area	No	District/area	No	District/area	No
Colombo ^[1]	1	Matara	1	Monaragala	1
Kalutara ^[2]	2	Jaffna	1	Ratnapura	1
Hambantota	1	Kilinochchi	1		

^[1] Excluding Colombo Municipal Council (CMC) area

^[2] Excluding National Institute of Health Sciences (NIHS) area

KEY ACTIVITIES CONDUCTED DURING WEEK 24 AT NATIONAL LEVEL

- An Expert Committee meeting was held to Provide Guidance on the Control and Prevention of Dengue in Western, Central and Northern Provinces, chaired by Hon. State Minister of Health.
- Continued close monitoring of disease trend at MOH division level is ongoing.
- The World Health Organization sponsored a training programme introducing the R statistical software for surveillance data analysis, modelling and disease forecasting for the technical staff of vector borne disease control programmes and academia was held at the National Dengue Control Unit. Key resource personnel for the training were from Imperial College London.

MIDNIGHT TOTAL OF DENGUE PATIENT ADMISSIONS

* After updated with delayed reporting from hospitals, average midnight total for the 23rd week shows a decrease from 243 to 241.

In the 24th week average midnight total of dengue patients in selected 74 hospitals was 262. In 17 hospitals, the average midnight total has increased and in 20 hospitals it has decreased compared to the previous week.

Selected hospitals with high average midnight totals of dengue patients and changing trend of dengue admissions in the 24th week are illustrated in Table 3.