



# WEEKLY DENGUE UPDATE



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National Dengue Control Unit, Ministry of Health

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## DENGUE CASE REPORTING

During the week 01 of 2023, 2142 suspected dengue cases were reported in 25 districts in comparison to 1698 cases in 25 districts during the week 52 of 2022. There is a 26.1% increase in week 01 of 2023, compared to the previous week. Of all reported cases 46.0% were from Western Province [Colombo Municipal Council – 5.8%, Rest of the Colombo District – 14.4%, Gampaha District – 20.5% and Kalutara District – 5.2%]. Puttalam [12.7%], Kalmunai [6.9%], Jaffna [6.0%] and Kandy [4.7%] districts also have reported higher number of cases (Table 1).

## HIGH RISK MOH AREAS

Sixty- three MOH areas were flagged as high-risk areas during week 01 of 2023. Out of them, 24 MOH areas showed rising number of cases in week 01 of 2023 compared to the week 52 of 2022, and another 33 MOH areas show persistently high number of cases in both weeks 01 and 52 (Table 2).

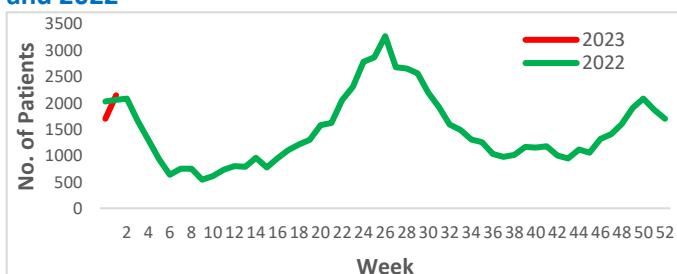
In week 01 of 2023 high risk levels of Point Pedro, Uppuveli and Kuruwita MOH areas have come down while Homagama, Boralesgamuwa, Hanwella, Rathmalana, Divulapitiya, Dompe, Mirigama, Bandaragama, MC Kandy, Waththegama, Yatinuwara, Kayts, Sandilipay, Mullaithivu, Batticaloa, Chenkalady, Anamaduwa, Dankotuwa, Mundel, Mahawewa, Dehiovita, MOH areas were newly identified as high-risk areas.

## MIDNIGHT TOTAL OF DENGUE PATIENT ADMISSIONS

Average midnight total of dengue patients in selected 75 hospitals throughout the country was 629 and 766 during the weeks 52 of 2022 and 01 of 2023 respectively. In 20 hospitals, the average midnight total has decreased and in 33 hospitals the average mid night total has increased in the week 01 of 2023 when compared with the previous week. Selected hospitals with high average midnight totals of dengue patients and changing trend of admissions in the week 01 of 2023 are displayed in Table 3.

*\*Average midnight total of the 52<sup>nd</sup> week of 2022 shows a decrease from 631 to 629 when compared to the previous week's report after updated with delayed reporting from hospitals.*

## WEEKLY DISTRIBUTION OF DENGUE PATIENTS in 2021 and 2022



Source: DenSys (Dengue Sentinel Site Surveillance, Epidemiology Unit)

Table 1: Reported dengue cases in week 01 of 2023 and week 52 of 2022

| District     | No. of cases |             |             |             |               |             |
|--------------|--------------|-------------|-------------|-------------|---------------|-------------|
|              | Week         |             | Week        |             | Up to Week 01 |             |
|              | 2022<br>52   | 2023<br>01  | 2022<br>52  | 2023<br>01  | 2022          | 2023        |
| Colombo      | 563          | 563         | 325         | 433         | 563           | 433         |
| Gampaha      | 446          | 457         | 290         | 440         | 457           | 440         |
| Kalutara     | 182          | 180         | 92          | 112         | 180           | 112         |
| Kandy        | 78           | 89          | 56          | 100         | 89            | 100         |
| Matale       | 3            | 20          | 27          | 39          | 20            | 39          |
| Nuwara Eliya | 6            | 8           | 9           | 1           | 8             | 1           |
| Galle        | 75           | 95          | 51          | 43          | 95            | 43          |
| Hambantota   | 21           | 22          | 14          | 10          | 22            | 10          |
| Matara       | 22           | 44          | 45          | 33          | 44            | 33          |
| Jaffna       | 64           | 31          | 114         | 128         | 31            | 128         |
| Kilinochchi  | 9            | 4           | 7           | 4           | 4             | 4           |
| Mannar       | 71           | 28          | Nil         | Nil         | 28            | Nil         |
| Vavuniya     | 5            | 2           | 2           | 3           | 2             | 3           |
| Mullaithivu  | Nil          | Nil         | 2           | 32          | Nil           | 32          |
| Batticaloa   | 16           | 26          | 17          | 36          | 26            | 36          |
| Ampara       | 7            | 8           | 8           | 3           | 8             | 3           |
| Trincomalee  | 31           | 23          | 29          | 16          | 23            | 16          |
| Kalmunai     | 7            | 27          | 150         | 147         | 27            | 147         |
| Kurunegala   | 134          | 115         | 46          | 56          | 115           | 56          |
| Puttalam     | 114          | 104         | 190         | 273         | 104           | 273         |
| Anuradhapura | 21           | 12          | 25          | 13          | 12            | 13          |
| Polonnaruwa  | 3            | 7           | 17          | 27          | 7             | 27          |
| Badulla      | 55           | 64          | 36          | 45          | 64            | 45          |
| Monaragala   | 7            | 8           | 8           | 11          | 8             | 11          |
| Rathnapura   | 50           | 65          | 92          | 66          | 65            | 66          |
| Kegalle      | 36           | 55          | 46          | 71          | 55            | 71          |
| <b>Total</b> | <b>2026</b>  | <b>2057</b> | <b>1698</b> | <b>2142</b> | <b>2057</b>   | <b>2142</b> |

Source: DenSys (Dengue Sentinel Site Surveillance, Epidemiology Unit)

\*Kalmunai is a Regional Director of Health Services of Ampara District

■ Districts reporting higher number of cases

**Table 2: High risk MOH areas**

| MOH Area                | Cases reported |              |
|-------------------------|----------------|--------------|
|                         | Week 52-2022   | Week 01-2023 |
| <b>WESTERN PROVINCE</b> |                |              |
| <b>Colombo District</b> |                |              |
| Dehiwala                | 12             | 17           |
| Piliyandala             | 22             | 12           |
| Homagama                | 8              | 10           |
| Kaduwela                | 23             | 25           |
| Maharagama              | 27             | 24           |
| MC Colombo              | 90             | 124          |
| Moratuwa                | 15             | 33           |
| Nugegoda                | 22             | 14           |
| Boralesgamuwa           | 9              | 10           |
| Hanwella                | 5              | 10           |
| Battaramulla            | 11             | 16           |
| Ratmalana               | 4              | 25           |
| Egoda Uyana             | 11             | 22           |
| Gothatuwa               | 23             | 26           |
| <b>Gampaha District</b> |                |              |
| Attanagalla             | 19             | 25           |
| Biyagama                | 14             | 32           |
| Divulapitiya            | 6              | 17           |
| Gampaha                 | 30             | 28           |
| Ja-Ela                  | 25             | 49           |
| Katana                  | 26             | 35           |
| Kelaniya                | 30             | 32           |
| Dompe                   | 6              | 13           |
| Mahara                  | 18             | 19           |

| MOH Area                 | Cases reported |              |
|--------------------------|----------------|--------------|
|                          | Week 52-2022   | Week 01-2023 |
| MC Negombo               | 26             | 49           |
| Minuwangoda              | 15             | 29           |
| Mirigama                 | 9              | 10           |
| Ragama                   | 20             | 18           |
| Wattala                  | 19             | 41           |
| Seeduwa                  | 20             | 33           |
| <b>Kalutara District</b> |                |              |
| Bandaragama              | 9              | 12           |
| Beruwala (NIHS)          | 14             | 10           |
| Kalutara (NIHS)          | 24             | 20           |
| Panadura                 | 21             | 35           |
| <b>CENTRAL PROVINCE</b>  |                |              |
| <b>Kandy District</b>    |                |              |
| MC Kandy                 | 9              | 23           |
| Waththegama              | 3              | 10           |
| Yatinuwara               | 5              | 10           |
| <b>SOUTHERN PROVINCE</b> |                |              |
| <b>Matara District</b>   |                |              |
| Akuressa                 | 17             | 11           |
| <b>NORTHERN PROVINCE</b> |                |              |
| <b>Jaffna District</b>   |                |              |
| Chavakachcheri           | 14             | 12           |
| Kopay                    | 12             | 17           |
| MC Jaffna                | 29             | 42           |
| Nallur                   | 14             | 14           |
| <b>EASTERN PROVINCE</b>  |                |              |
| <b>Kalmunai District</b> |                |              |

| MOH Area                      | Cases reported |              |
|-------------------------------|----------------|--------------|
|                               | Week 52-2022   | Week 01-2023 |
| Akkaraipattu                  | 55             | 35           |
| Samanthurai                   | 26             | 28           |
| Alayadivembu                  | 13             | 22           |
| Addalaichchenai               | 31             | 31           |
| <b>Batticaloa District</b>    |                |              |
| Batticaloa                    | 7              | 10           |
| Chenkalady                    | 2              | 10           |
| <b>NORTH WESTERN PROVINCE</b> |                |              |
| <b>Puttalam District</b>      |                |              |
| Anamaduwa                     | 5              | 10           |
| Chilaw                        | 32             | 49           |
| Dankotuwa                     | 9              | 29           |
| Kalpitiya                     | 50             | 58           |
| Puttalam                      | 41             | 44           |
| Mundel                        | 7              | 10           |
| Wennappuwa                    | 13             | 29           |
| Mahawewa                      | 8              | 13           |
| <b>UVA PROVINCE</b>           |                |              |
| <b>Badulla District</b>       |                |              |
| Badulla                       | 16             | 19           |
| <b>SABARAGAMUWA PROVINCE</b>  |                |              |
| <b>Kegalle District</b>       |                |              |
| Dehiovita                     | 1              | 10           |
| Mawanella                     | 20             | 25           |
| <b>Rathnapura District</b>    |                |              |
| Eheliyagoda                   | 11             | 13           |
| Embilipitiya                  | 28             | 11           |

**Table 3: Hospitals with high average midnight totals of dengue patients and changing trend of admissions in the week 01 - 2023**

| Hospital      | Average Midnight Total |         |        |
|---------------|------------------------|---------|--------|
|               | Week 52                | Week 53 | Change |
| DGH- Negombo  | 81                     | 89      | ↑      |
| NIID          | 30                     | 59      | ↑      |
| NHSL          | 36                     | 51      | ↑      |
| BH-Puttalam   | 43                     | 49      | ↑      |
| TH-Col-South  | 41                     | 48      | ↑      |
| TH-Col-North  | 26                     | 40      | ↑      |
| DGH-Chilaw    | 30                     | 30      | -      |
| BH- Panadura  | 17                     | 27      | ↑      |
| PGH-Badulla   | 15                     | 26      | ↑      |
| LRH           | 24                     | 23      | ↓      |
| DGH- Gampaha  | 19                     | 22      | ↑      |
| BH-Marawila   | 20                     | 22      | ↑      |
| TH-Kandy      | 11                     | 19      | ↑      |
| TH-Peradeniya | 7                      | 14      | ↑      |

| Hospital          | Average Midnight Total |         |        |
|-------------------|------------------------|---------|--------|
|                   | Week 52                | Week 53 | Change |
| BH- Wathupitiwala | 9                      | 14      | ↑      |
| BH- Kiribathgoda  | 9                      | 13      | ↑      |
| TH-Karapitiya     | 16                     | 12      | ↓      |
| TH- Kalutara      | 14                     | 11      | ↓      |
| DGH- Embilipitiya | 4                      | 11      | ↑      |
| TH-Ratnapura      | 8                      | 11      | ↑      |
| TH-Jaffna         | 21                     | 11      | ↓      |
| DGH-Trincomalee   | 11                     | 10      | ↓      |
| BH-Matale         | 11                     | 10      | ↓      |
| DGH-Polonnaruwa   | 9                      | 9       | -      |
| DGH-Kegalle       | 10                     | 9       | ↓      |
| BH-Avissawella    | 5                      | 8       | ↑      |
| BH-Kalmunai AMH   | 8                      | 8       | -      |
| TH-Batticaloa     | 3                      | 8       | ↑      |

| Hospital           | Average Midnight Total |         |        |
|--------------------|------------------------|---------|--------|
|                    | Week 52                | Week 53 | Change |
| BH-Dambulla        | 4                      | 8       | ↑      |
| BH- Minuwangoda    | 4                      | 7       | ↑      |
| BH-Point Pedro     | 0                      | 6       | ↑      |
| BH-Gampola         | 3                      | 5       | ↑      |
| BH-Balapitiya      | 5                      | 5       | -      |
| DGH-Matara         | 7                      | 5       | ↓      |
| DGH-Ampara         | 6                      | 5       | ↓      |
| DGH- Horana        | 2                      | 4       | ↑      |
| BH- Warakapola     | 2                      | 4       | ↑      |
| BH- Kalmunai North | 5                      | 4       | ↓      |
| BH- Mirigama       | 3                      | 4       | ↑      |
| BH- Mawanella      | 4                      | 4       | -      |
| BH- Nikaweratiya   | 3                      | 4       | ↑      |

**KEY ACTIVITIES CONDUCTED DURING WEEK 01 of 2023**

- Outbreak preparedness meeting with selected high risk MOH areas from Kalmunai and Puttalam districts.