



MONTHLY DENGUE UPDATE

A publication of the National Dengue Control Unit
Ministry of Health, Sri Lanka

ISSN 2950-7251



Volume 02 Issue 08

August 2022

Contents

- | | |
|---|-------------------|
| 1. Feature article | 1 |
| 2. Distribution of Dengue patients | 4 |
| 3. Summary of entomological and epidemiological surveillance data – July 2022 | 4 |
| 4. Entomological forecast | 7 |
| 5. News update | 8 |

Knowledge Sharing Session (KSS) at the National dengue Control unit (NDCU)

Knowledge sharing session (KSS) is an innovative programme facilitating interaction of all staff at NDCU, in a single day programme, conducted each month, that builds rapport and improve knowledge.

Knowledge sharing sessions were initiated in the year 2021 February at the NDCU, and since then it is a regular event and has been a great success.

What do we do?

Each month we select two topics on timely important issues that would benefit the NDCU staff. We invite professionals expertise in the relevant areas to share their knowledge with the staff. The lecture topics are not necessarily health oriented but related to day to day struggles, which would be helpful for an efficient and successful lifestyle.



These sessions are also conducted in a hybrid manner (through zoom) facilitating the staff in other campaigns and in the regions to be benefitted. Anybody interested can join by the link shared through the groups or the social media platforms.

Benefits of these sessions?

These sessions benefit the workplace and the staff in numerous ways such as helping to expand the current knowledge and to explore new subject areas while enhancing out of the box thinking and developing a confident individual.

Implementing what is discussed and learnt during the knowledge sharing session enables us to improve the productivity, thereby benefiting the staff and the community as a whole.



Economical savings, time management, effective organization & planning and, even creating a sensitive outlook to needy communities are some of the concepts captured in the different Knowledge Sharing Sessions.

The knowledge sharing sessions take different approaches for example, lecture-based discussions, role plays and interactive activities.



Some of timely topics covered by the knowledge sharing sessions in year 2022

1. Current economic crisis in a nutshell.
2. Safe chemical management in vector control.
3. Ensuring food security in the future
4. Evidence based approach for effective vector control for dengue in Sri Lanka
5. Community food cabinet concept
6. How to maximize the fuel efficiency
7. Essentials of the project management
8. Cash management for health and wellbeing
9. Happy child

As depicted above, each month we have selected timely important areas to be discussed considering the current issues common to many of us in the country.

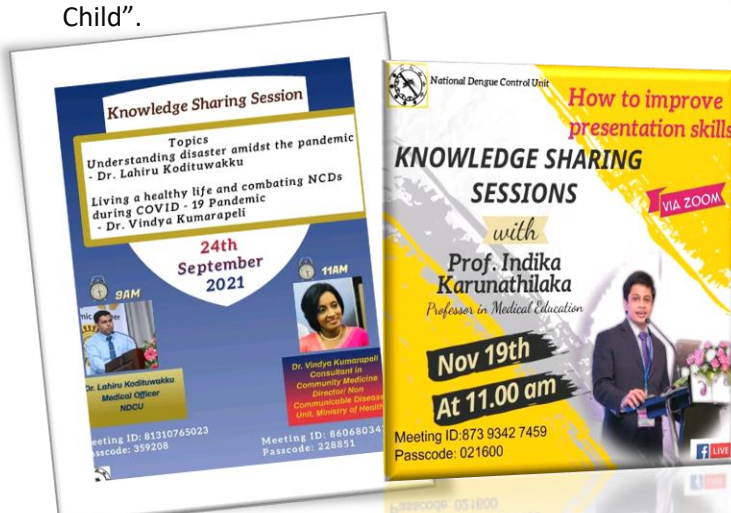
As an example, when our country was passing through a severe fuel shortage, we planned for a

lecture on the topic “How to maximize the fuel efficiency” by an expert in the particular subject. During the session we gathered so much of knowledge on different ways of maximizing the fuel efficiency of our vehicles. Practical application of them were helpful to make our lives better and also benefitting the country.



Likewise, on another occasion when the threat of food scarcity was a concern in the recent past due to economic crisis, we arranged interactive sessions such as discussion and role play based lecture on “Community food cabinet”, which was successfully conducted by an experienced professional.

Since the mentality of children is being severely affected due to recent covid pandemic and current economic crisis of the country, the importance of paying more attention for their happiness was elicited by the lecture and discussion on “Happy Child”.



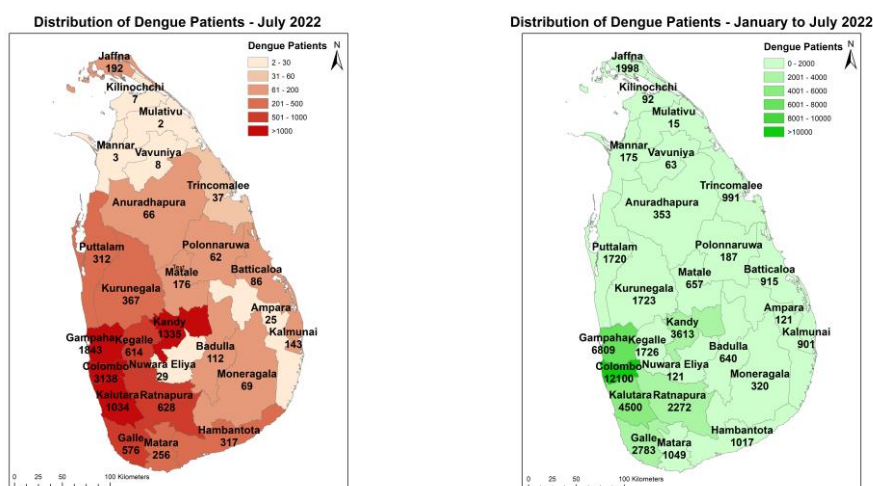
In some occasions topics on timely concern issues in technical aspects like “Evidence based approach for effective vector control for dengue in Sri Lanka” and “Safe chemical management in vector control” were also among the fruitful areas covered in KSS.

Ultimate benefit of the KSS is to provide knowledge to improve efficiency at the workplace by strengthening the individual as a whole.

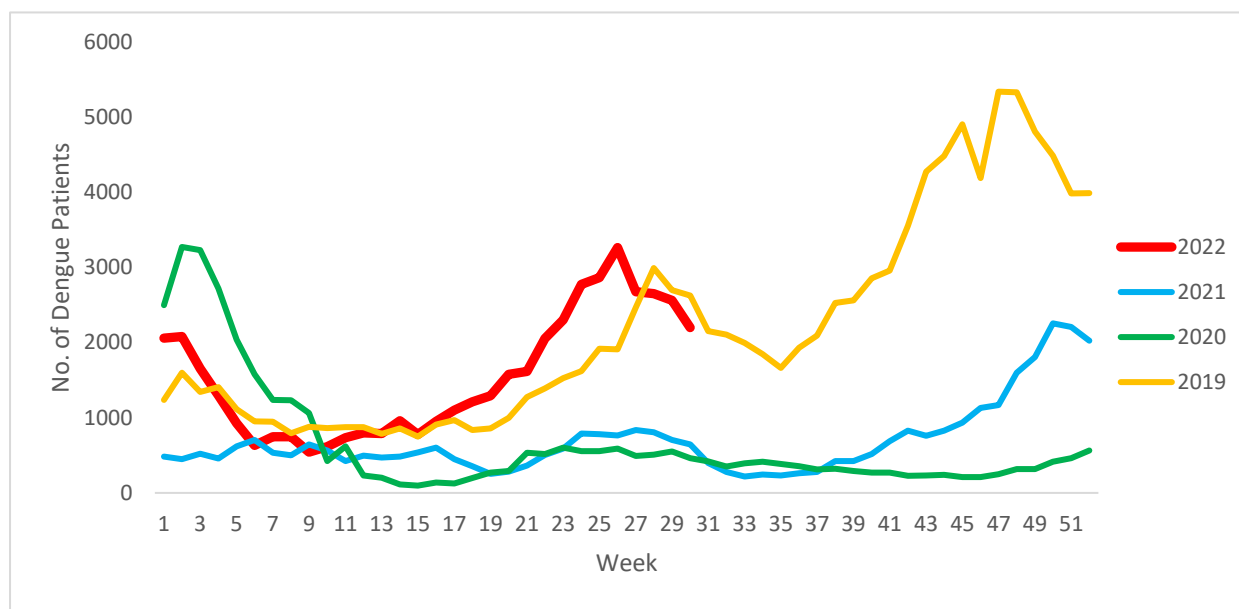
The knowledge sharing session is supported financially by the ET&R Unit of the Ministry of Health.



2. DISTRIBUTION OF DENGUE PATIENTS – July 2022



Weekly Dengue case reporting from 2019 up to 1st of August 2022



Data source - DenSys

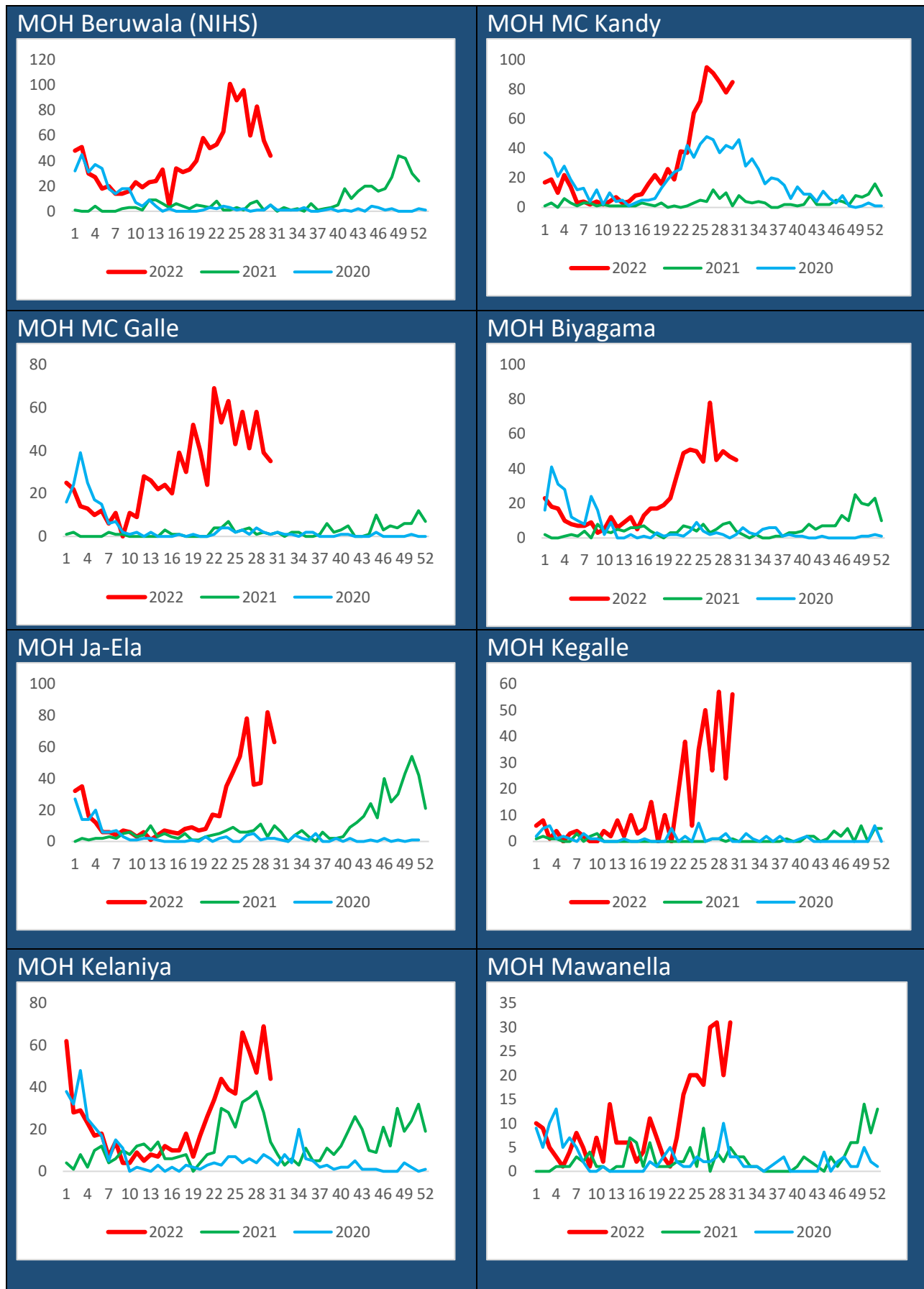
3. SUMMARY OF ENTOMOLOGICAL AND EPIDEMIOLOGICAL SURVEILLANCE DATA – July 2022

1. SUMMARY OF ADULT VECTOR SURVEYS

| District | MOH | GN area | Findings | |
|----------|----------|-----------------------|-------------------------------------|--|
| Colombo | Kaduwela | Ranala | Outdoor findings (8.00 am -1.00 pm) | <i>Aedes albopictus</i> Females 02 (Blood fed 01, Unfed 01) |
| Kalutara | Horana | 615E, Horana East | Outdoor findings (8.40 am -2.00 pm) | <i>Aedes albopictus</i> Females 01 (Blood fed 01) |
| | Horana | 605B, Oluboduwa North | Outdoor findings (8.50 am -1.40 pm) | <i>Aedes albopictus</i> Females 02 (Blood fed 01, Semi gravid 01) |

| 2. SUMMARY OF ENTOMOLOGICAL AND EPIDEMIOLOGICAL SURVEILLANCE DATA | | | | | | | | |
|---|--------------|---|----------------|------------|---|-------|-----------------------------------|------------|
| Province | District | Entomological surveillance data | | | | | Epidemiological surveillance data | |
| | | (Source - returns of entomology surveys received by NDCU) | | | | | (Source:DenSys) | |
| | | No. of Premises | | | Main type of containers positive for larvae and percentage positivity | | Month | |
| | | Inspected | Positive Found | Positive % | | | July | Cumulative |
| W P | Colombo | 1385 | 119 | 8.6 | Discarded items (24.5%), Temporary removed items (21.2%), Ornamental items (10.6%) | 3137 | 12099 | |
| | Colombo MC | 490 | 90 | 8.2 | Water storage barrel (20%), Discarded items (14.3%) Ornamental items (10%) | | | |
| | Gampaha | 1528 | 180 | 11.7 | Discarded items (25.5%), Temporary removed items (14%), Covering items (9.5%) | 1843 | 6809 | |
| | Kalutara | 1416 | 146 | 10.3 | Discarded items (27.2%), Temporary removed items (14.7%), Water storage other items(10.5%) | 1034 | 4500 | |
| | NIHS | 600 | 61 | 10.2 | Ornamental items (25.35),Temporary removed items (21.2%), Discarded items (19.7%), | | | |
| C P | Kandy | 1402 | 111 | 7.9 | Discarded items (18.8%), Temporary removed items (14.1%), Water storage barrel (11.8%), | 1335 | 3613 | |
| | Matale | 700 | 34 | 4.9 | Discarded items (32.5%), Ornamental items (17.5%), Tyres (12.5%) | 176 | 657 | |
| | Nuwara Eliya | 402 | 11 | 2.7 | Water storage barrels (28.6%), Ornamental items (28.6%), Gutters (14.3%) | 29 | 121 | |
| S P | Galle | 2200 | 189 | 8.6 | Discarded items (25.8%), Temporary removed items (12.7%), Ornamental items (11.9%), | 576 | 2783 | |
| | Hambantota | 1338 | 91 | 6.8 | Discarded items (19.3%), Water storage other items (17%), Temporary removed items (16.3%) | 317 | 1017 | |
| | Matara | 2000 | 127 | 6.4 | Discarded items (24.6%), Water storage other item (18.6%), Ornamental items (10.2%) | 256 | 1049 | |
| N P | Jaffna | 580 | 5 | 0.9 | Water storage other items (33.3%), Ornamental items (33.3%), Tyres (16.7%) | 192 | 1998 | |
| | Kilinochchi | 140 | 10 | 7.1 | Water storage other items (41.7%), Temporary removed items (25%), Discarded items (25%) | 7 | 92 | |
| | Mannar | 950 | 12 | 1.26 | Water storage barrel (41.7%), Water storage cement tank (41.7%), Tube wells (8.3%) | 3 | 175 | |
| | Vavuniya | 1422 | 39 | 2.3 | Ornamental items (26.8 %), Discarded items (26.8%), Water storage other items (21%) | 8 | 63 | |
| | Mullaitivu | 270 | 10 | 3.7 | Water storage barrels (23.1%), Water storage cement tank (23.1%), Pet feeding items (23.1%) | 2 | 15 | |
| E P | Ampara | 30 | 3 | 10 | Discarded items (100%) | 25 | 121 | |
| | Batticaloa | 768 | 28 | 3.7 | Other items (20.5%), Temporary removed items (14.7%), Discarded items (11.8%) | 86 | 915 | |
| | Trincomalee | 580 | 20 | 3.5 | Water storage barrels (34.6%), Water storage other items (26.9%),Ornamental items(11.5%) | 37 | 991 | |
| | Kalmunai | 1000 | 56 | 5.6 | Temporary removed items (38%), Ornamental items (18.6%), Discarded items (8.1%) | 143 | 901 | |
| N W P | Kurunegala | 1480 | 257 | 17.4 | Discarded items (29.3%), Water storage other items (13.7%), Temporary removed items (12.4%) | 367 | 1723 | |
| | Puttalam | 793 | 44 | 5.6 | Discarded items (26.9%), Water storage other items (13.5%), Temporary removed items (13.5%) | 312 | 1720 | |
| N | Anuradhapura | | | | No surveys conducted in July | 66 | 353 | |
| C | Polonnaruwa | 352 | 7 | 2 | Discarded items (28.6%), Pet feeding items (28.6%), Tyres (14.3%) | 62 | 187 | |
| U | Badulla | | | | No surveys conducted in July | 112 | 640 | |
| P | Monaragala | 1100 | 99 | 9 | Discarded items (59.6%), Water Storage barrels (17.6%), Ornamental items (8.4%) | 69 | 320 | |
| S | Rathnapura | 1200 | 190 | 15.9 | Discarded items (34.3%), Covering items (17.8%), T yres (7.8%) | 628 | 2272 | |
| G P | Kegalle | 3535 | 262 | 7.4 | Discarded items (27.7%), Water storage barrel (19.3%), Water storage other items (11.2%), | 615 | 1727 | |
| Sri Lanka | | 28600 | 2292 | 8.0 | Discarded items (26.6%), Temporary removed items (11.4%), Ornamental items (9.5%) | 11437 | 46861 | |

Current High Risk MOH Areas - Epidemiological Trends (Source: DenSys)



4. High-risk areas based on Entomological forecast

| District | MOH Area | GN Division |
|------------|-----------------|--------------------------|
| Colombo | Gothatuwa | Kiththampahuwa |
| | Gothatuwa | Mahabuthgamuwa |
| | Dehiwala | Nedimala |
| | Battaramulla | Thalangama North |
| | Moratuwa | Angulana North |
| Gampaha | Negombo | Periyamulla II |
| | Negombo | Dalupotha |
| | Mahara | Enderamulla |
| | Biyagama | Meegahawatta |
| | Minuwangoda | Galoluwa |
| | Ja ela | Dandugama |
| Kalutara | Kalutara | 725 |
| | Beruwala | 757 |
| | Horana | Werellahena |
| | Agalawatta | 829B - Kekulandala South |
| Puttalam | Puttalam | Puttalam East |
| | Kalpitiya | Kandakuda |
| | Chilaw | Kurusapaduwa |
| Kandy | Gangawatakorale | Hanthana Pedesa |
| | Pathadumbara | Galadeniya |
| | Akurana | Dodangolla |
| Mannar | Mannar Town | Pallimunai West |
| Rathnapura | Rathnapura PS | Ketaliyampalla |
| | Rathnapura PS | Muwagama |
| | Embilipitiya | New Town |
| | Kuruwita | Udakada |
| Kegalle | Mawanella | Muruthawela |
| Matara MC | Matara MC | Hittatiya East |
| Galle | Ambalangoda | Patabendimulla |
| | Gall MC | Karapitiya |
| | Habaraduwa | Ahangama |
| Hambantota | Tangalle | Indipokunagoda North |
| Batticaloa | Arayampathy | 152 |
| | Kaluwanchikudy | Koddaikallar 113 |
| | Batticaloa | 177A |
| Kalmunai | Sammanthurai | Malayadi - 1,2 |
| | Karaitivu | Karaitivu - 01 |
| | Kalmunai North | Kalmunai - 1 |
| | Ninthavur | Ninthavur -15 |
| | Kalmunai North | Pandiruppu - 2 |

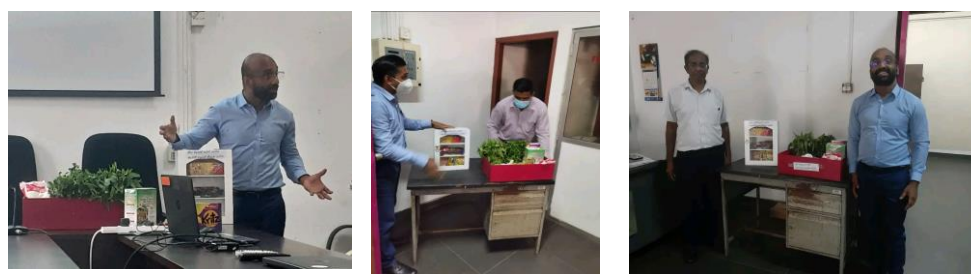
Dengue vector surveys were conducted in 392 GN areas inspecting 28600 premises in July. Here, the Entomological forecasting has been done by considering the districts currently recording a high number of Dengue cases that are also recorded high values for entomological indices against their conventional threshold values.

5. SPECIAL ACTIVITIES AND EVENTS CONDUCTED BY THE NATIONAL DENGUE CONTROL UNIT

Hands on training on Clinical Management of Dengue for Doctors and Nurses of Jaffna Teaching Hospital and Base Hospital Beruwala, jointly organized by the National Dengue Control Unit with the National Institute of Infectious Diseases (NIID/IDH) from 04.07.2022 to 08.07.2022



Knowledge Sharing Sessions – 21.07.2022



Community Engagement Programme for Dengue prevention covering all districts in the island, jointly organized by the National Dengue Control Unit with Sarvodaya Shramadana Movement with the financial support of the country office of World Health Organization – 25.07.2022



| | |
|--|-----------------------|
| <p>National Dengue Control Unit Public Health Complex, 555/5, Elvitigala Mawatha, Colombo 05.</p> | <p>Address</p> |
|--|-----------------------|

Any comments, suggestions, and contributions for the MDU Sri Lanka are welcome.

National Dengue Control Unit, Ministry of Health, Sri Lanka
 555/5, Public Health Complex, Elvitigala Mawatha, Narahenpita, Colombo 05.
 Tel: +94(0) 112368416/ 7 Fax: +94(0) 11 2369893
 Email: ndcu2010@yahoo.com Web: <http://www.dengue.health.gov.lk>