



Bangladesh Dengue Situation 2019

Health Bulletin

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**CDC,
DGHS**



Latest Dengue Situation

10528

Total reported cases till to date since 1st January, 2019

373

No. of patients from outside Dhaka till to date

8

Total reported deaths

683

No. of New patients admitted in last 24 hours

2671

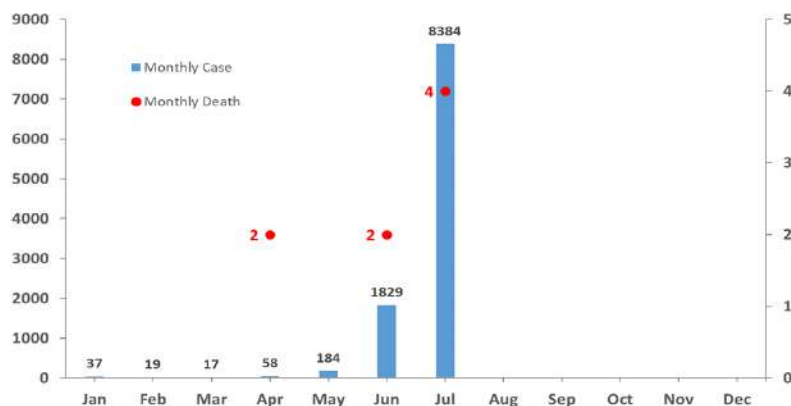
currently admitted patients

7849

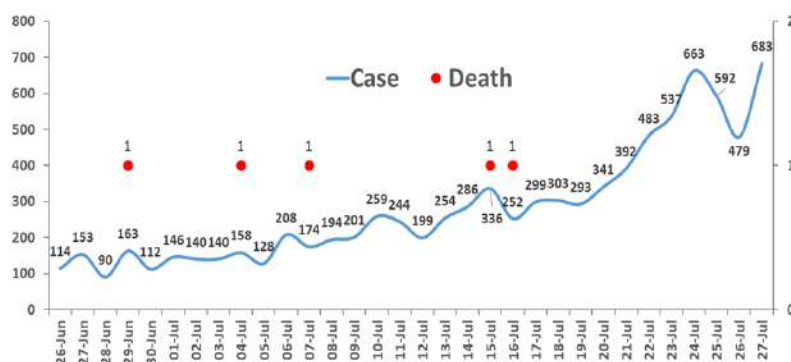
No. of released patients till to date

Key Activities

- More than 2,000 doctors and nurses trained on dengue and chikungunya management
- National treatment guidelines developed, both in detail and short versions
- Guidelines shared electronically and uploaded in DGHS website
- Letters sent to all hospitals to ensure treatment according to guideline and daily reporting
- More than 22,000 Dengue Diagnosis kits (NS1) distributed to public hospitals
- Aedes surveys conducted thrice-in-a-year as part of vector surveillance
- TV Scroll with awareness messages in electronic media
- Ad in daily newspapers with preventive messages
- Leaflets distributed to raise community awareness
- 10 zonal advocacy Meetings organized in collaboration with DNCC and DSCC
- National Technical Committee for Aedes-transmitted diseases formed



Reported Monthly Dengue Cases and Deaths, update 27 July, 2019



Newly admitted patients in last 24 hours: Jun 26- Jul 27, 2019

Development of pocket guideline for Dengue case management



The pocket guideline for Dengue case management has been developed by the National Malaria & ATD Control program. Hon'ble health minister Mr. Zahid Maleque MP inaugurated the guideline distribution in a ceremony, organized by Society of Medicine on 25 July 2019. Mr. Asadul Islam, Secretary, health services division, MOHFW and Prof. Dr. Abul Kalam Azad, Director General, DGHS were also present among others.



All guidelines for Dengue and Chikungunya management are available here: <http://www.dghs.gov.bd/index.php/en/publications/guideline>

Aedes Survey Throughout the Dhaka City

National program conducts periodical (Pre-monsoon, Monsoon and Post-monsoon) Aedes survey to see the vector density of the mosquitos. The entomology teams are conducting monsoon survey now (18-27 July 2019) in all wards of DNCC and DSCC.

- A day-long training prior to the survey was conducted on 17th July, 2019.
- 12 experienced Entomology teams working in 100 sites of 98 wards (10 – searching larvae and pupae, 2 – catching adult mosquitos using BG sentinel trap)
- Collected larvae and adult mosquitos analyzed in the NMEP laboratory
- 1000 households for larva and another 110 for adult mosquitos selected to search for potential breeding sites and positive containers
- Sampled houses selected from the satellite image and mapped through GIS on the basis of the house types
- Breteau Index > 20 in 58% and 79% of areas of DNCC and DSCC, based on the draft reports of first six days



DS 37 Bangla Bazar Team-6 Day 2



Consultative Workshop For Dengue Management

A consultative workshop on Dengue and Chikungunya management was organized on 24 July, 2019. Physicians and managers from 77 public and private hospitals were present in the workshop. Prof. Dr. Abul Kalam Azad, Director General, DGHS and Prof. Sanya Tahmina, Director Disease Control were present among others. The following decisions were taken:

- Ensure treatment according to national guideline
- Priority admission and management of all dengue cases
- Ensure service delivery during the upcoming Eid vacations
- Open dengue corner/help-desk in all hospitals
- Daily reporting of dengue patients to Control Room, DGHS
- Provide treatment card and warning sign cards to patients



Emergency daily meeting on current Dengue situation

Emergency daily meeting conducted at 9:00 am from 23 July onward to analyze and response to the current situation. Prof. Dr. Abul Kalam Azad, DG, DGHS presided over the meetings with spontaneous participation from directors, Line directors of different operational plans, program manager, representatives from Control Room and WHO Bangladesh, etc.

The following decisions taken for prompt implementation:

- Review daily situation and circulate weekly health bulletin
- Involve Directors, CBHCH and Hospitals & Clinics to ensure treatment at all levels
- Use banner with preventive messages to increase public awareness
- Awareness campaign in educational institutes
- Send letters through Secretary, cabinet division to strengthen cleanliness programs in all govt. offices
- Feasibility study of adopting new tools (Oxitec / Wolbachia) for vector control
- Implementation of Infectious disease Law 2018



Wolbachia - Innovative new technology for vector control



Wolbachia are safe, natural bacteria, present in almost 60% of insect species. But it's absent in *Aedes aegypti*, which is responsible for dengue transmission. When *Aedes aegypti* is infected by Wolbachia, Dengue and Chikungunya viruses can't replicate, which eventually help in reducing disease transmission.

Technical committee meeting for Wolbachia project was held on 24 July, 2019 to discuss the prospect and feasibility of adopting this innovative tool in Bangladesh.

Collaboration with World Health Organization

Disease Control Division, DGHS requested technical assistance for national dengue response. In a meeting with representatives from WHO, Bangladesh on 22 July 2019, it was decided that WHO will:

- procure 100,000 Dengue Rapid tests (NS1)
- bring in Sr. Entomologist, WHO, SEARO to work with national program and DNCC/DSCC
- assign an epidemiologist in the Control Room to assist in report analysis
- support to update integrated vector control guideline
- recommend list of insecticide for Dengue control
- assist for setting up the innovative vector control method (Wolbachia, Oxitec)

Report to Control Room on daily basis

All public and private hospitals and clinics need to send reports of dengue patients daily. The contact details of Control room is provided below:

Health Emergency Operations Centre and Control Room
Contact: 02 – 9855933, 01759 11 44 88
Email: controlroomdghs@yahoo.com

contact us :

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