



Editorial

Dengue is in the Race of making Record

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Deteriorating our behavioral and social conditions in the city areas of our country spread of Dengue virus is facilitated. Daily detection is increasing, and daily death is recorded in Dengue cases. The separate ward of Dengue has been opened but still there is a pressure in admissible cases. The conditions of the patients are becoming worse quickly. There is a shortage of good wishes in destroying mosquitoes in modern concept which is said by some specialist in this aspect. The management of hotspot of mosquitoes is not done correctly. The people engaged with larvicidal activity are busy with nominal surveillance and enough announcement in both city corporation and health wing of the country. Practically all people are tortured by mosquitoes.

Due to Dengue caused by the *Aedes Aegypti* mosquito, 6,425 patients were admitted to different hospitals of the country in the first 12 days of September 2022. Twenty persons died in this period due to Dengue. On the 12th day of September 2022, the total number of Dengue patient is 2,481. Total patients in the country stands 22,517 in the year 2022 up to 12th October 2022 of which 16,762 were there in the capital city. Seventy-five persons expired among hospital admitted patients up to 12th October 2022 which was ascertained by Directorate General of Health Service, Bangladesh. Monthly analysis of admitted patients shows 126 in January 2022, 20 in February 2022, 20 in March 2022, 23 in April 2022, 163 in May 2022, 737 in June 2022, 1,571 in July 2022, 3,521 in August 2022 and 9,911 in September 2022.

In 2019, one lakh one thousand three hundred and fifty-four was admitted in the hospital and expired one hundred sixty-four. In 2018, ten thousand one hundred forty-eight were admitted and twenty-six expired. In 2020 during the Covid-19 period, the Dengue cases were not so observed but in 2021 twenty-eight thousand four hundred and twenty-nine was admitted and one hundred five cases expired. This situation was very severe in 2022.

Seven hundred and sixty-five Dengue patients were admitted and eight expired on 13th October 2022; rate of death is raising day by day. In other year Dengue was not found in other places than Dhaka City. But in 2022 Dengue spread over fifty districts of the country. After Dhaka Dengue is more prevalent in Chittagong division. Among the

districts, Cox's Bazar incidence is the highest. Spread of Dengue is more among the Rohingya refugees. In Dhaka City up to 13th October 2022, 16,762 patients of Dengue were admitted in Government and Non-Government hospitals. The percentage of admission is the highest in Mirpur and Uttara, second highest in Mugda and third highest in Keraniganj, Jatrabari and Dhanmondi. Death is more, i.e., up to eighteen in Cox's Bazar hospital, second highest in Dhaka Shishu Hospital and Dhaka Medical College Hospital which is seven in each hospital and five in Barishal Sher-E-Bangla Medical College Hospital. Incidence of Dengue was prominent in 2020. In 2018 people were attacked with DEN-1 variety. In 2021 the attack was due to DEN-3 variety, but in 2022 attack with DEN-4 variety is more, i.e., in this year of 2022 the people were attacked with DEN-1, DEN-3 and DEN-4; all three varieties. So, in successive years the chance of attack with dengue is more.

From Shishu Hospital sources it was known that all age groups are suffering but the percentage of suffering children is 25%. The sickest children's were admitted to Shishu Hospital. Among them, who expired were very complicated; maximum patients have heart problem, some of them have got pulmonary hemorrhage, lungs, and liver problems. Emeritus Professor Dr. ABM Abdullah said the sign symptoms of Dengue cases of this 2022 are a bit separate than general sign symptoms. In this year as Dengue and Corona attack are going parallelly, so the first suggestion is to attend a physician and to have medicines as per his prescription. It should not be kept in mind that fever is less, so no problem will be there. In any moment Dengue patient can show severity. As a result, if a patient comes to the hospital at last, the physicians have nothing to do. If there is fever, Dengue test is a must item to be done.

According to the suggestion of physician, patients should be admitted to the hospital when needed. Sufficient medicine and mosquito net supply, if possible, platelet supply should be ensured. All arrangements should be there to make people conscious. Insecticide spray, government and non-government institutions cleanliness, hygienic personnel steps, Municipality and City Corporations effective step can control the situation and will prevent mortality. Some experts are saying that to control and to kill *Aedes Aegypti* a separate

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department should be institutionalized which will also examine the quality of larvicidal and insecticidal agent as like as India.

Dengue is a nationwide problem. For the last two decades, it has been creating problems. But for last five years suffering and death is more. In this year 106 died up to 20th October 2022. This is the second highest death record in this year of 2022. In 19th instant of October 2022, seven people died due to Dengue. According to Directorate General of Health Service of Bangladesh, 62 people died in Dhaka

City, 22 in Cox's Bazar, 12 in Chittagong, 5 in Barishal, 2 in Khulna and 1 in each district of Feni, Mymensingh and Narsingdi. If anyone is attacked with fever, cough, and symptoms like this he should not make any late to consult a physician. Huge water and liquid solutions should be given to the Dengue sufferer. Give him nutritious food. Dengue and Covid-19 test should be done as early as possible. Experts say the suffering of Dengue is more due to rainfall happens in small intervals. Everybody suspects if rainfall happens like this, there will be more attacks.