

GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH AND FAMILY WELFARE

LOK SABHA
UNSTARRED QUESTIN NO. 972
TO BE ANSWERED ON 08.12.2023

CASES OF DENGUE

972: SHRI KULDEEP RAI SHARMA:
SHRIMATI SUPRIYA SULE:
DR. AMOL RAMSING KOLHE:
DR. SUBHASH RAMRAO BHAMRE:
SHRIMATI MANJULATA MANDAL:
SHRI C.N. ANNADURAI:

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

- (a) the number of Dengue cases reported during the last three years alongwith the number of people who have lost their lives due to the same,State/UT-wise;
- (b) whether the Government is aware of an increase in dengue cases in some parts of the country inrecent months and if so, the details thereof alongwith the factors responsible for the spread of dengue virus in different parts of the country;
- (c) whether Indian Council of Medical Research (ICMR) has taken/ proposesto take steps to increase the awareness and promoting prevention, people's participation, and use of latest technology including satelliteimaging and drones to map vulnerable areas and if so, details thereof; and
- (d) whether the Government has created a national framework to counter thehike of Dengue cases and if so, details thereof along with the steps taken/proposed to be taken by the Government for the prevention/eradication of dengue and Chikungunyadiseases in the country?

ANSWER
THE MINISTER OF STATE FOR MINISTRY OF HEALTH AND FAMILY WELFARE
(PROF.S.P. SINGH BAGHEL)

- (a) As per information available with the National Center for Vector Borne Diseases Control (NCVBDC) under the Ministry of Health and Family Welfare, the number of Dengue cases reported during the last three years along with the number of people who have lost their lives due to Dengue, State/UT-wise, is at Annexure.

(b) The number of Dengue cases reported during the months of January to July remains low every year, whereas, the maximum number of cases are reported during the months of August to December, as is evident from below:-

Year	2022			2023		
Months	Jan to July	Aug to Dec	Total Jan to Dec	Jan to July	Aug to Nov	(Total as on 30 th Nov)
Number of Dengue cases	24129	209122	233251	31479	202948	234427

The transmission of dengue is round the year in many States. However, cases increase during monsoon and continues till the post monsoon season due to abundance of vector breeding sites. For Dengue transmission, environmental factors namely rainfall, humidity and temperature are mainly responsible. In the current year, due to the global climate change, El Nino effect and unequal rainfall, increased vector density led to increase in number of Dengue cases reported across the country in the current year.

(c) The Indian Council of Medical Research (ICMR) has been working on creating awareness through its research institutions in the form of outreach programmes and training/awareness programmes among masses through public lectures, live demonstrations, training and research.

ICMR is using the latest technologies like Remote Sensing and Geographical Information Systems for risk mapping of areas and planning interventions. The vulnerable risk areas are regularly monitored using the occurrence of cases and vector indices.

ICMR has launched a program for upcoming technologies like use of drones in Vector Borne Diseases (VBDs), Artificial intelligence (AI) for recognising breeding sites, larval positivity and possible intervention for the unreachable areas to enhance the capacity of the control programme.

(d) A Technical Symposium was organized on 22-23 March 2023 involving other Ministries/Departments (Jal Shakti and Rural Development), National Center for Disease Control (NCDC), Indian Council of Medical Research (ICMR), State Government Officials, WHO and Municipal Corporations to develop a Strategic Framework and Roadmap for prevention of dengue in the country focusing on inter-sectoral coordination.

Government of India (GoI) has taken the following initiatives for prevention and control of Dengue and Chikungunya diseases in the country:-

- Technical Guidelines for prevention and control, Integrated Vector Management, case management & effective community participation have been disseminated to the States for implementation.
- Situation and preparedness of States have been reviewed at highest level for timely action and technical guidance.
- Advisories have been issued to sensitize the States for preparedness to deal with any future outbreak.
- Trainings have been imparted to doctors on clinical management and to entomologists on Integrated Vector Management.
- Free diagnostic facilities through 805 Sentinel Surveillance Hospitals and 17 Apex Referral Laboratories identified across the country for detection of cases in early stage to implement public health measures and to prevent further spread.
- Test kits are provided to the identified laboratories through ICMR-NIV, Pune. Cost is borne by GoI.
- The National Dengue Day is observed on 16th May for initiating pre-monsoon activities and Anti-Dengue Month is observed in July for community awareness to keep their houses and surroundings mosquito breeding free.
- Under National Health Mission, adequate budgetary support is provided to States/UTs for dengue control activities i.e., dengue case management, vector control activities (provision of domestic breeding checkers, insecticide, fogging machines etc), training support, awareness activities, etc.

Annexure

Statement showing State/UT-wise details of number of Dengue cases and deaths due to Dengue during last three years and current year

S. No.	State	2020		2021		2022		2023 (As on 30 th November)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	925	0	4760	0	6391	0	5936	0
2	Arunachal Pradesh	1	0	7	0	114	0	114	0
3	Assam	33	0	103	0	1826	2	8058	7
4	Bihar	493	2	633	2	13972	32	19672	74
5	Chhattisgarh	57	0	1086	0	2679	10	1930	0
6	Goa	376	0	649	0	443	1	474	0
7	Gujarat	1564	2	10983	14	6682	7	6710	6
8	Haryana	1377	0	11835	13	8996	18	7826	4
9	Himachal Pradesh	21	0	349	0	3326	1	1975	0
10	Jharkhand	79	0	220	1	290	0	2300	12
11	Karnataka	3823	0	7393	7	9889	9	14227	9
12	Kerala	4399	5	3251	27	4432	29	14189	51
13	Madhya Pradesh	806	0	15592	11	3318	2	6397	0
14	Meghalaya	4	0	129	0	26	0	107	0
15	Maharashtra	3356	10	12720	42	8578	27	17531	14
16	Manipur	37	0	203	0	503	4	2496	0
17	Mizoram	67	0	83	0	1868	5	1903	2
18	Nagaland	1	0	24	0	154	0	4596	2
19	Odisha	496	0	7548	0	7063	0	12540	0
20	Punjab	8435	22	23389	55	11030	41	12874	13
21	Rajasthan	2023	7	20749	96	13491	10	13245	6
22	Sikkim	11	0	243	1	264	0	288	0
23	Tamil Nadu	2410	0	6039	8	6430	8	7133	10
24	Tripura	24	0	349	0	56	0	1277	0
25	Telangana	2173	0	7135	0	8972	0	7894	1
26	Uttar Pradesh	3715	6	29750	29	19821	33	33075	28
27	Uttarakhand	76	1	738	2	2337	0	4319	17
28	West Bengal	5166	10	8264	7	67271	30	NR	NR
29	Andaman & Nicobar Islands	98	0	175	0	1014	3	844	0
30	Chandigarh	265	0	1596	3	910	1	412	0
31	Delhi	1269	0	13089	23	10183	9	14060	7
32	Dadra & Nagar Haveli	248	0	547	0	685	0	1096	0
	Daman & Diu	71	0	279	0	228	0	277	1
33	Jammu & Kashmir	53	0	1709	4	8269	18	6049	8
34	Ladakh	0	0	0	0	0	0	0	0
35	Lakshadweep	0	0	1	0	67	0	361	0
36	Puducherry	633	1	1625	1	1673	3	2242	2
Total		44585	66	193245	346	233251	303	234427	274

NR=Not reported