

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

**LOK SABHA
UNSTARRED QUESTION NO. 2270
TO BE ANSWERED ON 29TH JULY, 2016**

EPIDEMIC OUTBREAKS

**2270. SHRI B. SRIRAMULU:
SHRI MULLAPPALLY RAMACHANDRAN:
DR. KIRIT P. SOLANKI:
SHRI ANTO ANTONY:
SHRI NALIN KUMAR KATEEL:**

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

- (a) whether a number of epidemic outbreaks including dengue and other vector borne and infectious diseases occur every year, particularly during the monsoon seasons in the country;
- (b) if so, the details of such epidemics occurred during the last three years, along with the number of cases and deaths reported, disease and State/UT-wise;
- (c) whether the situation of dengue fever is more worrisome in comparison to previous years, if so, the details thereof; and
- (d) the effective and preventive measures taken up by the Government to combat these diseases and to avoid recurrence of epidemics in the country?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(SHRI FAGGAN SINGH KULASTE)**

(a) & (b) Upsurge of cases due to Dengue and other Vector Borne Diseases viz. Malaria and Japanese Encephalitis occurs particularly during the monsoon season in the country. Seasonal upsurge of Malaria and Japanese Encephalitis is known during monsoon and post monsoon season.

Under Integrated Disease Surveillance Programme (IDSP), every week States/UTs report outbreaks/early warning signals due to infectious diseases occurring in the country.

The State/UT-wise cases and deaths due to Malaria, Dengue, Chikungunya, and Japanese Encephalitis (JE) occurred during the last three years are at Annexure-I, II, III, & IV.

(c): Yes. The comparative dengue situation in the country during previous years & current year (till June) is as under:

Years	2014	2015	2016
Cases	4399	6394	8307
Deaths	8	23	10

(d): Steps/actions taken to prevent and control the vector borne diseases and infectious diseases are as under:

Dengue/Chikungunya:

During the year 2016, Government of India (GOI) has taken the following measures for prevention and control of Dengue & Chikungunya in the country:-

- Provided Technical Guidance to the States for prevention and control of dengue, including clinical management of dengue.
- Periodic reviews are being done at the level of Hon'ble HFM, Secretary, H&FW and DGHS. Since January, 2016, a total number of 13 review meetings have been taken by HFM, Secretary (H&FW), Additional Secretary, DGHS and Spl. DGHS with functionaries of different States/UTs.
- Periodic advisories have been issued from time to time for prevention and control of Dengue. 10 advisories have been issued at the levels of Secretary (H&FW) and Addl. Secretary (H&FW) to all concerned for taking timely action in this regard.
- States have been requested to declare Dengue as notifiable disease vide MOHFW's letter No.7-165/2016/NVBDCP /DEN dated 9th June 2016 and the same has been uploaded on the National Vector Borne Disease Control Programme (NVBDCP) website for taking action accordingly.
- Focused IEC/BCC activities are carried out at National and State level with media mix strategies focusing on source reduction and personal protective measures.
 - A user friendly Dengue App "India Fights Dengue" has been launched by HFM, on 7th April, 2016.
 - National Dengue Day has been observed on 16th May 2016 throughout the country.
- Dengue & Chikungunya diagnosis is provided through 527 Sentinel Surveillance Hospitals (SSHs) and 15 Apex Referral laboratories (ARLs) across the country.
- Accredited Social Health Activists (ASHAs) are also involved in source reduction activities for dengue prevention and control.
- Periodic field visits are made by NVBDCP Officials to States/UTs for review and to provide technical guidance for prevention and control of Dengue & Chikungunya.

Malaria:

The Government has the following strategy for malaria control in the country:

1. Surveillance and case management
 - Case detection (active and passive)- Intensified during high transmission period
 - Early diagnosis and complete treatment
 - Sentinel surveillance

2. Integrated Vector Management (IVM)
 - Indoor residual spray (IRS)
 - Insecticide treated bed nets (ITNs) / Long-Lasting Insecticidal nets (LLINs)
 - Anti-larval measures including source reduction
3. Epidemic preparedness and rapid response.
4. Supportive interventions
 - Capacity building
 - Behaviour change communication (BCC)
 - Intersectoral collaboration
 - Monitoring and evaluation (M & E)
 - Operational research and applied field research

Other steps to combat and to avoid recurrence of epidemics of malaria are as follows:-

1. Regular monitoring of the reports received from the states and feedback to the states accordingly.
2. Coordination with IDSP to detect Early Warning Signals i.e. any upsurge in fever cases or any reports of malaria outbreaks. Such reports are verified, followed up and managed accordingly.
3. Regular monitoring through field visits of NVBDCP officers/ consultants.
4. Issuing advisory to the states before the monsoon season to upscale their activities and make all the necessary preparations.
5. Technical support and guidance.
6. Logistic support.

Japanese Encephalitis (JE):

A multipronged strategy has been adopted under the National Programme to reduce morbidity, mortality and disability in children due to JE. Major components under the programme are :

- (i) Strengthening of surveillance, vector control by establishing sentinel laboratories.
- (ii) Strengthening and expansion of JE vaccination in endemic districts;
- (iii) Strengthening of case management by setting 10 bedded pediatric ICU in 60 district hospitals and timely referral of serious and complicated cases;
- (iv) Provision of adequate facilities for physical, medical, neurological and social rehabilitation;
- (v) Improvement of nutritional status of children at risk and intensified IEC/BCC activities.

Establishment of Physical Medicine and Rehabilitation Department in 10 identified medical college of five states.

Financial: Funds are provided by Govt. of India to the States for prevention and control of Vector Borne Diseases (VBDs) including Dengue, to implement the public health activities.

Integrated Disease Surveillance Programme (IDSP):

Under IDSP, the districts and States have been strengthened by providing additional manpower, training of identified Rapid Response Team (RRT) members for outbreak investigations, strengthening of laboratories for detection of epidemic prone diseases, ICT equipment for data entry, analysis and data transfer, and provision of funds for operationalization.

Funds are released under IDSP to all the States as grant-in-aid to undertake diseases surveillance activities.

Malaria Situation in the Country

States/UTs.	2013		2014		2015*	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Andhra Pradesh	19787	0	21077	0	24588	0
Arunachal Pradesh	6398	21	6082	9	4991	3
Assam	19542	7	14540	11	15555	0
Bihar	2693	1	2043	0	3548	1
Chhattisgarh	110145	43	128993	53	133780	8
Goa	1530	0	824	0	786	1
Gujarat	58513	38	41608	16	41422	1
Haryana	14471	3	4485	1	2843	0
Himachal Pradesh	141	0	102	0	60	0
J&K	698	0	291	0	216	0
Jharkhand	97786	8	103735	8	90251	4
Karnataka	13302	0	14794	2	11341	0
Kerala	1634	0	1751	6	1549	4
Madhya Pradesh	78260	49	96879	26	97200	16
Maharashtra	43677	80	53385	68	56603	31
Manipur	120	0	145	0	216	0
Meghalaya	24727	62	39168	73	48603	79
Mizoram	11747	21	23145	31	28593	0
Nagaland	2285	1	1936	2	1527	3
Orissa	228858	67	395035	89	432375	78
Punjab	1760	0	1036	0	633	0
Rajasthan	33139	15	15118	4	11429	0
Sikkim	39	0	35	0	27	0
Tamil Nadu	15081	0	8729	0	5653	0
Telangana			5189	0	10945	3
Tripura	7396	7	51240	96	32525	21
Uttarakhand	1426	0	1171	0	1495	0
Uttar Pradesh	48346	0	41612	0	42563	0
West Bengal	34717	17	26484	66	24054	33
A.N.Islands	1005	0	557	0	409	0
Chandigarh	150	0	114	0	152	0
D & N Haveli	1778	0	669	1	535	0
Daman & Diu	91	0	56	0	82	0
Delhi	353	0	98	0	54	0
Lakshadweep	8	0	0	0	4	0
Puducherry	127	0	79	0	54	1
Total	881730	440	1102205	562	1126661	287
* Provisional						

Dengue Situation in the Country

Sl.no	States/UTs	2013		2014		2015	
		Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	910	1	1262	5	3159	2
2	Arunachal Pradesh	0	0	27	0	1933	1
3	Assam	4526	2	85	0	1076	1
4	Bihar	1246	5	297	0	1771	0
5	Chhaatisharh	83	2	440	9	384	1
6	Goa	198	2	168	1	293	0
7	Gujarat	6272	15	2320	3	5590	9
8	Haryana	1784	5	214	2	9921	13
9	Himachal Pradesh	89	2	2	0	19	1
10	J&K	1837	3	1	0	153	0
11	Jharkhand	161	0	36	0	102	0
12	Karnataka	6408	12	3358	2	5077	9
13	Kerala	7938	29	2575	11	4075	25
14	Madhya Pradesh	1255	9	2131	13	2108	8
15	Meghalaya	43	0	0	0	13	0
16	Maharashtra	5610	48	8573	54	4936	23
17	Manipur	9	0	0	0	52	0
18	Mizoram	7	0	19	0	43	0
19	Nagaland	0	0	0	0	21	1
20	Odisha	7132	6	6433	9	2450	2
21	Punjab	4117	25	472	8	14128	18
22	Rajasthan	4413	10	1243	7	4043	7
23	Sikkim	38	0	5	0	21	0
24	Tamil Nadu	6122	0	2804	3	4535	12
25	Tripura	8	0	6	0	40	0
26	Telangana	0	0	704	1	1831	2
27	Uttar Pradesh	1414	5	200	0	2892	9
28	Uttrakhand	54	0	106	0	1655	1
29	West Bengal	5920	6	3934	4	8516	14
30	A&N Island	67	0	139	0	153	0
31	Chandigarh	107	0	13	0	966	1
32	Delhi	5574	6	995	3	15867	60
33	D&N Haveli	190	0	641	1	1154	0
34	Daman & Diu	61	0	46	0	165	0
35	Puducherry	2215	0	1322	1	771	0
Total		75808	193	40571	137	99913	220

Clinically Suspected Chikungunya Situation in the Country

Sl.No.	States/UTs	2013	2014	2015
1	Andhra Prd.	4827	1359	817
2	Arunachal Pd.		0	35
3	Assam	742	0	0
4	Bihar	0	0	3
5	Goa	1049	1205	561
6	Gujarat	2890	574	406
7	Haryana	1	3	1
8	Jharkhand	61	11	21
9	Karnataka	5295	6962	20763
10	Kerala	273	272	175
11	Madhya Prd.	139	161	67
12	Meghalaya	0	0	78
13	Maharashtra	1578	1572	391
14	Odisha	35	10	81
15	Punjab	0	2	180
16	Rajasthan	76	50	7
17	Tamil Nadu	859	543	329
18	Telangana	0	1687	2067
19	Tripura	0	34	180
20	Uttar Prd.	0	4	0
21	Uttrakhand	0	0	0
22	West Bengal	646	1032	1013
23	A&N Islands	202	161	68
24	Chandigarh	1	0	1
25	Delhi	18	8	64
26	D&N Haveli	2	0	0
27	Lakshadweep	0	0	0
28	Puducherry	146	399	245
Total		18840	16049	27553

JE situation in the country

Sl. No.	States / UTs	2013		2014		2015	
		Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	7	3	0	0	0	0
2	Arunachal Pradesh	0	0	32	3	32	2
3	Assam	495	134	761	165	614	135
4	Bihar	14	0	20	2	66	12
5	Delhi	0	0	0	0	1	0
6	Goa	3	1	0	0	0	0
7	Haryana	2	0	5	1	2	0
8	Jharkhand	89	5	90	2	116	8
9	Karnataka	2	0	13	0	27	1
10	Kerala	2	0	3	2	2	1
11	Maharashtra	0	0	0	0	7	0
12	Manipur	0	0	1	0	6	0
13	Meghalaya	0	0	72	3	41	8
14	Nagaland	4	0	6	0	0	0
15	Odisha					33	2
16	Punjab	0	0	0	0	0	0
17	Tamil Nadu	33	0	36	3	53	0
18	Tripura	14	0	14	0	28	4
19	Uttarakhand	0	0	2	0	2	0
20	Uttar Pradesh	281	47	191	34	351	42
21	West Bengal	140	12	415	78	342	75
22	Telengana			0	0	8	1
Total		1086	202	1661	293	1731	291