

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

**LOK SABHA
UNSTARRED QUESTION NO. 2649
TO BE ANSWERED ON 17th MARCH, 2017**

CHIKUNGUNYA AND DENGUE

**2649. SHRI P.C. GADDIGOUDAR:
SHRI NISHIKANT DUBEY:**

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

- (a) the number of cases of dengue, malaria, chikungunya and other vector borne diseases and attributable deaths due to these diseases reported in the country during the current year compared to each of the last three years, disease and State/ UT-wise;
- (b) the details of the measures taken by the Government, financial and technical assistance provided and utilised for the purpose during the said period, State/UT-wise;
- (c) whether denial of admission to the patients affected by these diseases and shortage of funds, beds, drugs and other medical facilities to deal with these diseases have been reported from certain parts of the country;
- (d) if so, the details thereof along with the action taken/proposed to be taken by the Government thereon, State/UT-wise; and
- (e) the corrective steps being taken by the Government to stop the regular outbreak of vector-borne diseases and develop vaccines for their prevention?

ANSWER

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

- (a): The number of cases of dengue, malaria, chikungunya and other vector borne diseases and attributable deaths due to these diseases reported in the country during the current year compared to each of the last three years, disease and State/UT-wise is given at Annexure-I, II, III,IV and V.
- (b): The details of the measures taken by the Government for prevention and control of vector borne disease are as under:
 - i) Integrated Vector Management
 - ii) Case detection and treatment
 - iii) Extensive education campaign
 - iv) Capacity building
 - v) Monitoring and evaluation

Dengue and Chikungunya:

Government of India provides Technical Guidelines to the states for prevention and control of vector borne diseases and Central Assistance provided during the last three years is at Annexure-VI.

(c) & (d) No.

(e): Malaria:

The corrective steps being taken by the Government to stop the regular outbreak are as follows:-

1. Regular monitoring of the reports received from the states and feedback to the states accordingly.
2. Coordination with Integrated Diseases Surveillance Programme (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 Central Government 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.

Presently no vaccine is available for public health use.

Dengue & Chikungunya:

Government is aware that every year people get affected by Dengue and Chikungunya.

The Strategies for prevention and control of Dengue and Chikungunya are shared with the States/UTs for implementation as under:

- Surveillance-Disease and Entomological Surveillance
- Case management - Laboratory diagnosis and Clinical management
- Vector management - Environmental management for Source Reduction, Chemical control, Personal protection and Legislation
- Outbreak response - Epidemic preparedness and Media management
- Capacity building - Training, strengthening human resource and Operational research
- Behaviour Change Communication - Social mobilization and Information Education and Communication (IEC)
- Inter-sectoral coordination - Health, Urban Development, Rural Development, Panchayati Raj, Surface Transport and Education sector
- Monitoring and Supervision - Analysis of reports, review, field visit and feedback

Japanese Encephalitis:

The following steps have been recommended for prevention and control of JE:

- (i) Strengthening and expansion of JE vaccination in endemic districts;
- (ii) Strengthening of surveillance and vector control.
- (iii) Strengthening of case management
- (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.

Kala-Azar:

The following steps have been taken to stop the regular outbreak:

- Regular surveillance of Kala-azar cases in villages
- In addition special door to door searches have been organised in villages reporting more than 5 cases (120 Bihar, 30 Jharkhand)
- No stock out of drugs and diagnostics is ensured.
- Intensified IEC/BCC measures being carried out in the field.
- Extension of VL treatment at peripheries (Block level)
- Two rounds of regular IRS spray with Synthetic Pyrethroid on regular basis.

Lymphatic Filariasis

- MDA is done annually for interruption of the disease.
- Transmission Assessment Survey (TAS) is done for validation of achievement of <1mf rate.
- Post MDA Surveillance.
- Morbidity management for lymphodema cases.
- Up-scaling of hydrocele operations to clear the backlog.

Annexure-I

Cases and Deaths Due to Malaria (2014 to 2017)									
SN	States / UTs	2014		2015		2016* (P)		2017 (P) UptoFeb	
		Total Positive Cases	Death	Total Positive Cases	Death	Total Positive Cases	Death	Total Positive Cases	Death
1	Andhra Pradesh	21077	0	25042	0	23359	0	1219	0
2	Arunachal Pradesh	6082	9	5088	7	3123	0	58	0
3	Assam	14540	11	15557	4	7883	5	244	0
4	Bihar	2043	0	4006	1	4533	0	44	0
5	Chhattisgarh	128993	53	144886	21	151531	0	10890	0
6	Goa	824	0	651	1	742	0	20	0
7	Gujarat	41608	16	41566	7	41856	2	580	0
8	Haryana	4485	1	9308	3	2448	0	0	0
9	Himachal Pradesh	102	0	60	0	102	0	0	0
10	Jammu & Kashmir	291	0	216	0	242	0	8	0
11	Jharkhand	103735	8	104800	6	119345	10	9081	0
12	Karnataka	14794	2	12445	0	9382	0	296	0
13	Kerala	1751	6	1549	4	1547	1	46	0
14	Madhya Pradesh	96879	26	100597	24	67008	1	301	0
15	Maharashtra	53385	68	56603	59	23983	25	1163	0
16	Manipur	145	0	216	0	122	0	2	0
17	Meghalaya	39168	73	48603	79	35024	44	764	1
18	Mizoram	23145	31	28593	21	7201	1	171	0
19	Nagaland	1936	2	1527	3	814	0	10	0
20	Orissa	395035	89	436850	80	449697	77	23970	0
21	Punjab	1036	0	596	0	705	1	2	0
22	Rajasthan	15118	4	11796	3	12201	0	46	0
23	Sikkim	35	0	27	0	13	0	0	0
24	Tamilnadu	8729	0	5587	0	4338	0	254	0
25	Telangana	5189	0	10951	4	3531	1	192	0
26	Tripura	51240	96	32525	21	10557	15	130	0
27	Uttarakhand	1171	0	1466	0	952	0	13	0
28	Uttar Pradesh	41612	0	42767	0	40787	0	497	0
29	West Bengal	26484	66	24208	34	35204	59	409	0
30	A & N Islands	557	0	409	0	485	0	20	0
31	Chandigarh	114	0	152	1	157	0	0	0
32	D & N Haveli	669	1	418	0	380	0	8	0
33	Daman & Diu	56	0	84	0	47	0	1	0
34	Delhi	98	0	54	0	31	0	0	0
35	Lakshdweep	0	0	4	0	1	0	0	0
36	Puducherry	79	0	54	1	74	0	2	0
	Total	1102205	562	1169261	384	1059405	242	50441	1

* Provisional

Comparative Dengue cases and deaths corresponding period till February, 2017

Sl. No	State	2014		2015		2016		2017	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pd.	26	1	59	0	114	0	187	0
2	Arunachal	0	0	0	0	0	0	0	0
3	Assam	11	0	0	0	2	0	19	0
4	Bihar	0	0	0	0	1	0	0	0
5	Chhattisgarh	1	0	10	0	8	0	9	0
6	Goa	27	0	11	0	16	0	14	0
7	Gujarat	71	0	113	0	141	0	190	0
8	Haryana	1	0	0	0	0	0	0	0
9	Himachal Pd.	0	0	0	0	0	0	0	0
10	J & K	0	0	0	0	0	0	0	0
11	Jharkhand	0	0	2	0	3	0	0	0
12	Karnataka	101	0	136	0	183	0	168	0
13	Kerala	180	0	205	1	559	2	735	1
14	Madhya Pd.	8	0	23	0	11	0	14	0
15	Meghalaya	0	0	0	0	0	0	2	0
16	Maharashtra	168	0	167	1	262	0	112	0
17	Manipur	0	0	0	0	0	0	0	0
18	Mizoram	0	0	3	0	1	0	14	0
19	Nagaland	0	0	0	0	0	0	0	0
20	Orissa	11	0	28	0	40	0	15	0
21	Punjab	2	0	0	0	0	0	0	0
22	Rajasthan	28	0	11	0	32	0	21	0
23	Sikkim	0	0	1	0	0	0	2	0
24	Tamil Nadu	339	0	1082	5	709	3	903	0
25	Tripura	0	0	0	0	3	0	22	0
26	Telangana	10	1	16	0	22	0	67	0
27	Uttar Pradesh	1	0	1	0	2	1	12	0
28	Uttrakhand	0	0	0	0	0	0	0	0
29	West Bengal	34	0	85	0	99	0	0	0
30	A&N Island	2	0	26	0	5	0	0	0
31	Chandigarh	0	0	0	0	1	0	2	0
32	Delhi	0	0	3	0	0	0	9	0
33	D&N Haveli	6	0	0	0	18	0	16	0
34	Daman & Diu	0	0	2	0	3	0	0	0
35	Puducherry	103	0	128	0	146	0	52	0
	Total:	1130	2	2112	7	2381	6	2585	1

Comparative Suspected Chikungunya Cases till February, 2017

Sl. No.	State	2014	2015	2016	2017
1	Andhra Pd.	72	202	179	177
2	Arunachal Pd.	0	0	0	0
3	Assam	0	0	0	0
4	Bihar	0	0	0	0
5	Goa	158	84	13	54
6	Gujarat	132	38	79	686
7	Haryana	0	0	0	0
8	J&K	0	0	0	0
9	Jharkhand	1	9	0	0
10	Karnataka	80	312	726	658
11	Kerala	8	52	21	14
12	Madhya Pd.	4	28	0	64
13	Meghalaya	0	0	0	18
14	Maharashtra	441	48	142	681
15	Odisha	0	0	0	0
16	Punjab	0	0	0	59
17	Rajasthan	0	4	121	99
18	Sikkim	0	0	0	13
19	Tamil Nadu	88	73	11	13
20	Telangana	202	300	80	14
21	Tripura	0	13	11	23
22	Uttar Prd	0	0	0	0
23	Uttrakhand	0	0	0	0
24	West Bengal	78	80	60	0
25	A&N Island	0	18	0	0
26	Chandigarh	0	0	0	141
27	Delhi	0	0	0	27
28	D&N Haveli	0	0	0	0
29	Lakshadweep	0	0	0	0
30	Puducherry	73	38	56	52
Total		1337	1299	1499	2793

Annexure-IV

Comparative JE Cases and Deaths till February, 2017

Sl. No.	Affected States/ UTs	2014		2015		2016 (P)		2017 (P) till 28.2.2017	
		JE		JE		JE		JE	
		C	D	C	D	C	D	C	D
1	Andhra Pradesh	0	0	0	0	0	0	0	0
2	Arunachal Pradesh	0	0	0	0	0	0	0	0
3	Assam	0	0	0	0	0	0	5	0
4	Bihar	0	0	0	0	0	0	0	0
5	Delhi	0	0	0	0	0	0	0	0
6	Goa	0	0	0	0	1	0	0	0
7	Haryana	0	0	0	0	0	0	0	0
8	Jharkhand	0	0	0	0	0	0	0	0
9	Karnataka	0	0	0	0	0	0	0	0
10	Kerala	0	0	0	0	0	0	0	0
11	Maharashtra	0	0	0	0	0	0	0	0
12	Manipur	0	0	0	0	0	0	0	0
13	Meghalaya	0	0	0	0	0	0	0	0
14	Nagaland	0	0	0	0	0	0	0	0
15	Odisha	0	0	0	0	0	0	0	0
16	Punjab	0	0	0	0	0	0	0	0
17	Tamil Nadu	0	0	7	0	0	0	3	0
18	Telangana	0	0	0	0	0	0	0	0
19	Tripura	0	0	0	0	0	0	0	0
20	Uttar Pradesh	0	0	0	0	0	0	6	0
21	Uttarakhand	0	0	0	0	0	0	0	0
22	West Bengal	0	0	0	0	7	0	3	0
Grand Total		0	0	7	0	8	0	17	0

KALA-AZAR SITUATION IN INDIA SINCE- 2014

Sl. No.	Affected States	2014		2015		2016		2017 (upto Feb)	
		C	D	C	D	C	D	C	D
1	Bihar	7615	10	6517	5	4773	0	300	0
2	Jharkhand	937	0	1262	0	1185	0	82	0
3	West Bengal	668	1	576	0	177	0	4	0
4	Uttar Pradesh	11	0	131	0	107	0	1	0
5	Uttarakhand	4	0	3	0	2	0	0	0
6	Delhi*	0	0	0	0	0	0	0	0
7	Assam	1	0	1	0	0	0	0	0
8	Sikkim	5	0	5	0	1	0	0	0
9	Kerala	0	0	4	0	0	0	0	0
10	Punjab*	0	0	1	0	0	0	0	0
Total		9241	11	8500	5	6245	0	387	0

Note: C=cases, D= Deaths, *= imported, (P) = Provisional

National Vector Borne Disease Control Programme
State-wise Fund allocation & releases for Vector Borne Diseases

(Fig.Rs. in Lakhs)

S. No.	States/UTs	2014-15		2015-16		2016-17	
		Allocation	Release	Allocation	Release	Allocation	Release (up to 15.03.2017)
1	Andhra Pradesh	2510.00	767.24	857.00	864.20	728.00	789.72
2	Arunachal Pradesh	1291.00	1166.76	1273.00	1364.27	1183.00	762.93
3	Assam	3036.00	2673.04	2591.00	3260.14	2395.10	723.78
4	Bihar	4800.00	11474.32	4085.00	9695.23	3534.00	3576.91
5	Chattisgarh	2990.00	1343.50	2545.00	561.92	908.00	3030.49
6	Goa	128.00	90.75	98.00	48.49	102.00	48.50
7	Gujarat	2380.00	1198.20	1148.00	1159.71	1100.00	574.06
8	Haryana	363.00	247.50	255.00	255.00	200.00	0.00
9	Himachal Pradesh	140.00	99.75	104.00	0.00	26.00	0.00
10	Jammu & Kashmir	155.00	89.86	92.00	91.23	94.20	48.10
11	Jharkhand	4139.50	3162.25	5537.00	5349.94	3390.00	3093.22
12	Karnataka	2320.00	1810.28	1953.00	1843.60	1759.00	683.18
13	Kerala	1007.00	720.75	726.00	726.00	644.00	475.50
14	Madhya Prd.	2390.00	1796.91	2442.00	2150.64	2118.00	1607.07
15	Maharashtra	2187.00	648.41	639.00	652.84	1320.00	753.24
16	Manipur	1091.00	907.06	917.00	979.13	1005.00	380.53
17	Meghalaya	1162.00	935.43	966.00	1108.88	915.00	345.15
18	Mizoram	1248.00	1199.04	1220.00	1392.69	1104.00	792.75
19	Nagaland	1533.00	1108.92	1203.00	1314.78	1117.00	46.48
20	Orissa	5170.00	2086.05	3888.00	4425.32	10037.00	7190.41
21	Punjab	550.00	409.31	398.00	509.29	402.00	181.00
22	Rajasthan	990.00	1404.50	2615.00	2146.16	2180.80	767.80
23	Sikkim	70.00	51.93	53.00	58.90	90.90	21.34
24	Tamil Nadu	2250.00	1561.50	1619.00	1594.00	1409.00	1034.25
25	Telangana		429.00	486.00	701.47	685.00	580.93
26	Tripura	1459.00	1353.85	1400.00	2182.72	1617.00	467.42
27	Uttar Pradesh	3905.50	3808.50	4335.00	1783.67	3650.00	2515.07
28	Uttarakhand	125.00	127.32	205.00	127.14	266.00	155.55
29	West Bengal	3500.00	1709.53	1801.00	1645.85	1910.00	1508.55
30	Delhi	584.00	444.00	171.00	19.00	169.00	0.00
31	Puducherry	56.00	39.81	49.00	108.25	51.00	26.53
32	A&N Islands	250.00	187.08	352.00	611.31	349.00	287.97
33	Chandigarh	96.00	56.25	80.00	61.24	77.00	56.58
34	D & N Haveli	98.00	90.50	96.00	96.00	107.00	80.25
35	Daman & Diu	72.00	62.50	67.00	68.00	71.00	35.50
36	Lakshadweep	54.00	0.95	47.00	47.00	36.00	18.00
37	HQ. Expenduter	3100.00	2565.45	4252.00	2763.99	3815.00	1559.20
	Total	57200.00	47828.00	50565.00	51768.00	50565.00	34217.95