

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

**LOK SABHA
UNSTARRED QUESTION NO.1110
TO BE ANSWERED ON 4TH DECEMBER, 2015**

VECTOR-BORNE DISEASES

- 1110. SHRI DHANANJAY MAHADIK:
SHRI ASADUDDIN OWAISI:
DR. MANOJ RAJORIA:
SHRI C.N. JAYADEVAN:
SHRI KAPIL MORESHWAR PATIL:
SHRIMATI SUPRIYA SULE:
SHRI MAHEISH GIRRI:
SHRI RAJAN VICHARE:
KUNWAR BHARATENDRA:
SHRI JYOTIRADITYA M. SCINDIA:
SHRI P.V. MIDHUN REDDY:
SHRI SATAV RAJEEV:
SHRI C.S. PUTTA RAJU:
SHRI RAVINDRA KUMAR PANDEY:
SHRI GANESH SINGH:
SHRI MOHITE PATIL VIJAYSINH SHANKARRAO:
SHRI NANA PATOLE:
PROF. K.V. THOMAS:
SHRI KESINENI NANI:
SHRI SANJAY DHOTRE:
SHRI PANKAJ CHAUDHARY:
SHRIMATI DARSHANA VIKRAM JARDOSH:
SHRI VENKATESH BABU T.G.:
SHRI BHARTRUHARI MAHTAB:
SHRI CHARANJEET SINGH RORI:
SHRI NAGENDRA KUMAR PRADHAN:
SHRI RAMA KISHORE SINGH:
DR. HEENA VIJAYKUMAR GAVIT:
SHRI SUNIL KUMAR SINGH:
SHRIMATI RANJANBEN BHATT:
SHRI DEVJI M. PATEL:
SHRI T. RADHAKRISHNAN:
SHRI DUSHYANT CHAUTALA:
ADV. JOICE GEORGE:
DR. J. JAYAVARDHAN:
SHRI BHARATHI MOHAN R.K.:
SHRI DILIP PATEL:
SHRI CHAND NATH:
SHRI KUNWAR PUSHPENDRA SINGH CHANDEL:**

Contd...

DR. P. VENUGOPAL:
SHRI C.R. PATIL:
SHRI P. KUMAR:
SHRI BHANU PRATAP SINGH VERMA:

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

- (a) the number of cases of dengue, malaria, chikungunya and other vectorborne 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 HEALTH AND FAMILY WELFARE
(SHRI JAGAT PRAKASH NADDA)

- (a): The statements showing state-wise cases and deaths due to Malaria, Dengue, Chikungunya, Japanese Encephalitis, Kala-azar and Filariasis reported by the States/UTs for the last three years are enclosed at Annexure-I to VI.
- (b): Government of India is implementing National Vector Borne Disease Control Programme in the country for prevention & control of six vector borne diseases namely Malaria, Japanese Encephalitis, Dengue, Chikungunya, Kala-azar and Filaria. The States/UTs implement the programme activities and the technical guidance as well as financial assistance is provided by Government of India. The general strategy for prevention & control of Vector Borne Diseases is as below:
 - I. Malaria cases are detected by active and passive surveillance with the help of direct microscopy or Rapid diagnostic kits and are treated as per guideline.
 - II. Kala-azar cases are also detected by active search and passive surveillance with the help of RDK and all positive cases are treated by single dose of Inj. Liposomal Amphotericine-B or combination of drugs.
 - III. Integrated Vector Management including Indoor Residual Spray (IRS), Anti-larval measures including use of bio-larvicides, use of larvivorous fish and use of Long Lasting Insecticidal Nets (LLINs).
 - IV. Supportive Interventions including Behavior Change Communication, Capacity Building and Monitoring & Evaluation.

- V. Vaccination against J.E.
- VI. Annual Mass Drugs Administration (only for Lymphatic Filariasis).
- VII. As far as controlling Dengue and Chikungunya is concerned, Government of India provides Technical Guidelines to the States for prevention and control, including clinical. Diagnosis for Dengue is provided through Sentinel Surveillance Hospitals (SSHs) and Apex Referral laboratories in States.

Details of financial assistance provided and utilized by the State government during the current year State/UT- wise is at Annexure-VII.

(c): There is no such report of denial of admission nor any shortage of funds, beds, drugs and other medical facilities to deal with these diseases.

(d): Does not arise.

(e): Measures taken for control of vector borne diseases have been detailed at (b). In addition monitoring and supervision of implementation of programme is conducted by Govt. from time to time.

Incorporation of vaccine effective against the vector borne diseases is an important component under the programme. Of the six vector borne diseases NVBDCP is dealing with, effective vaccine is available against Japanese Encephalitis which has been included under the programme.

State/UT-wise Malaria Situation in the Country

STATES/UTs.	2012		2013		2014		2015*	
	C	D	C	D	C	D	C	D
Andhra Prd.	24699	2	19787	0	21077	0	19291	0
Arunachal Prd.	8368	15	6398	21	6082	9	3747	1
Assam	29999	13	19542	7	14540	11	10777	0
Bihar	2605	0	2693	1	2043	0	2071	1
Chhattisgarh	124006	90	110145	43	128993	53	85145	8
Goa	1714	0	1530	0	824	0	592	1
Gujarat	76246	29	58513	38	41608	16	30301	1
Haryana	26819	1	14471	3	4485	1	1975	0
Himachal Prd.	216	0	141	0	102	0	49	0
J&K	864	0	698	0	291	0	151	0
Jharkhand	131476	10	97786	8	103735	8	63670	2
Karnataka	16466	0	13302	0	14794	2	6768	0
Kerala	2036	3	1634	0	1751	6	1127	2
Madhya Pradesh	76538	43	78260	49	96879	26	48329	11
Maharashtra	58517	96	43677	80	53385	68	36785	22
Manipur	255	0	120	0	145	0	158	0
Meghalaya	20834	52	24727	62	39168	73	34812	60
Mizoram	9883	25	11747	21	23145	31	21005	0
Nagaland	2891	1	2285	1	1936	2	1259	3
Odisha	262842	79	228858	67	395035	89	330336	56
Punjab	1689	0	1760	0	1036	0	523	0
Rajasthan	45809	22	33139	15	15118	4	7991	0
Sikkim	77	0	39	0	35	0	20	0
Tamil Nadu	18869	0	15081	0	8729	0	4261	0
Telangana	-	-	-	-	5189	0	7770	3
Tripura	11565	7	7396	7	51240	96	26288	17
Uttarakhand	1948	0	1426	0	1171	0	1194	0
Uttar Pradesh	47400	0	48346	0	41612	0	27983	0
West Bengal	55793	30	34717	17	26484	66	16844	28
A&N Islands	1539	0	1005	0	557	0	298	0
Chandigarh	201	0	150	0	114	0	133	0
D & N Haveli	4940	1	1778	0	669	1	443	0
Daman & Diu	186	0	91	0	56	0	52	0
Delhi	382	0	353	0	98	0	44	0
Lakshadweep	9	0	8	0	0	0	2	0
Puducherry	143	0	127	0	79	0	40	1
Total	1067824	519	881730	440	1102205	562	792234	217

C = Cases D = Deaths

*till September

State/UT-wise Dengue Cases and Deaths in the Country

Sl. No.	State	2012		2013		2014		2015 (Prov till 16 th November)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pd.	2299	2	910	1	1262	5	2667	2
2	Arunachal Pd.	346	0	0	0	27	0	1933	1
3	Assam	1058	5	4526	2	85	0	829	1
4	Bihar	872	3	1246	5	297	0	1575	0
5	Chhattisgarh	45	0	83	2	440	9	362	1
6	Goa	39	0	198	2	168	1	254	0
7	Gujarat	3067	6	6272	15	2320	3	4343	8
8	Haryana	768	2	1784	5	214	2	8021	12
9	Himachal Pd.	73	0	89	2	2	0	19	1
10	J & K	17	1	1837	3	1	0	137	0
11	Jharkhand	42	0	161	0	36	0	91	0
12	Karnataka	3924	21	6408	12	3358	2	4443	9
13	Kerala	4172	15	7938	29	2575	11	3534	23
14	Madhya Pd.	239	6	1255	9	2131	13	1469	6
15	Meghalaya	27	2	43	0	0	0	9	0
16	Maharashtra	2931	59	5610	48	8573	54	3461	19
17	Manipur	6	0	9	0	0	0	52	0
18	Mizoram	6	0	7	0	19	0	43	0
19	Nagaland	0	0	0	0	0	0	9	0
20	Odisha	2255	6	7132	6	6433	9	2167	2
21	Punjab	770	9	4117	25	472	8	12628	13
22	Rajasthan	1295	10	4413	10	1243	7	2376	7
23	Sikkim	2	0	38	0	5	0	21	0
24	Tamil Nadu	12826	66	6122	0	2804	3	3465	6
25	Tripura	9	0	8	0	6	0	23	0
26	Telangana	0	0	0	0	704	1	1664	2
27	Uttar Pradesh	342	4	1414	5	200	0	2436	9
28	Uttrakhand	110	2	54	0	106	0	1203	1
29	West Bengal	6456	11	5920	6	3934	4	5703	9
30	A&N Islands	24	0	67	0	139	0	143	0
31	Chandigarh	351	2	107	0	13	0	737	0
32	Delhi	2093	4	5574	6	995	3	15531	38
33	D&N Haveli	156	1	190	0	641	1	1038	0
34	Daman & Diu	96	0	61	0	46	0	110	0
35	Puducherry	3506	5	2215	0	1322	1	525	0
TOTAL		50222	242	75808	193	40571	137	83021	170

Annexure-III**State/UT-wise Clinically Suspected Chikungunya Cases in the country**

Sl. No	Name of the State	2012	2013	2014	2015 (Prov till 15th November)
1	Andhra Pradesh	2827	4827	1359	673
2	Arunachal Pd.	0	0	0	35
3	Assam	0	742	0	0
4	Bihar	34	0	0	1
5	Goa	571	1049	1205	471
6	Gujarat	1317	2890	574	264
7	Haryana	8	1	3	1
8	Jharkhand	86	61	11	21
9	Karnataka	2382	5295	6962	18826
10	Kerala	66	273	272	161
11	Madhya Pradesh	20	139	161	31
12	Meghalaya	0	0	0	78
13	Maharashtra	1544	1578	1572	116
14	Odisha	129	35	10	81
15	Punjab	1	0	2	0
16	Rajasthan	172	76	50	7
17	Tamil Nadu	5018	859	543	224
18	Telangana	0	0	1687	2005
19	Tripura	0	0	34	77
20	Uttar Pradesh	13	0	4	0
21	Uttrakhand	0	0	0	0
22	West Bengal	1381	646	1032	355
23	A&N Islands	256	202	161	63
24	Chandigarh	1	1	0	0
25	Delhi	6	18	8	17
26	D&N Haveli	100	2	0	0
27	Lakshadweep	0	0	0	
28	Puducherry	45	146	399	223
Total		15977	18840	16049	23730

No deaths due to Chikungunya has been reported in India

State/UT-wise Acute Encephalitis Syndrome (including Japanese Encephalitis) situation in the country

Sl. No.	States/ UTs	2012		2013		2014		2015 (till 8.11.2015)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	64	0	345	3	31	0	23	0
2	Arunachal Pradesh	0	0	0	0	102	11	73	2
3	Assam	1343	229	1388	272	2194	360	1323	260
4	Bihar	745	275	417	143	1358	355	244	77
5	Delhi	0	0	0	0	0	0	1	0
6	Goa	84	0	48	1	17	0	0	0
8	Haryana	5	0	2	0	6	1	2	0
7	Jharkhand	16	0	270	5	288	2	143	1
9	Karnataka	189	1	162	0	75	0	243	1
10	Kerala	29	6	53	6	6	2	13	1
11	Meghalaya	0	0	0	0	212	3	64	8
12	Maharashtra	37	20	0	0	0	0	43	0
13	Manipur	2	0	1	0	16	0	34	0
14	Nagaland	21	2	20	0	20	1	10	1
15	Punjab	0	0	0	0	2	0	0	0
16	Tamil Nadu	935	64	77	8	346	4	653	0
17	Tripura	0	0	211	0	323	0	350	4
18	Uttarakhand	174	2	0	0	2	0	2	0
19	Uttar Pradesh	3484	557	3096	609	3329	627	2469	369
20	West Bengal	1216	100	1735	226	2385	348	1777	300
21	Telengana					155	5	101	0
Total		8344	1256	7825	1273	10867	1719	7568	1024

State/UT-wise Kala-azar Cases and Deaths in the country

State	2012		2013		2014		2015 (Provisional Till Sept.)	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Bihar	16036	27	10730	17	7615	10	5269	4
Jharkhand	3535	1	2515	0	937	0	967	0
West Bengal	995	0	595	2	668	1	416	0
Uttar Pradesh	5	0	11	1	11	0	103	0
Uttarakhand	7	1	0	0	4	0	2	0
Delhi*	11	0	6	0	0	0	2	0
Assam	6	0	4	0	1	0	1	0
Sikkim	5	0	8	0	5	0	3	0
Himachal Pradesh	0	0	0	0	0	0	0	0
Total	20600	29	13869	20	9241	11	6763	4

Note : * = Imported

Annexure-VI**States/UT-wise Microfilaria Rate during MDA**

Sl. No.	States/UTs	2004 round	2005 round	2006 round	2007 round	2008 round	2009 round	2010 round	2011 round	2012 round	2013 round	2014 round
1	Andhra Pradesh	0.71	0.62	0.50	0.36	0.40	0.51	0.39	0.23	0.19	0.17	0.22
2	Telangana	1.18	1.19	1.21	0.17	0.35	0.33	0.27	0.17	0.21	0.42	0.31
3	Assam	ND	0.04	0.19	1.46	0.88	0.81	1.06	0.17	0.19	0.15	0.04
4	Bihar	1.50	2.15	1.38	0.68	ND	1.07	0.94	ND	1.03	ND	0.91
5	Chhattisgarh	ND	1.96	ND	0.63	0.45	0.54	0.40	0.10	0.10	0.14	0.20
6	Goa	0.11	0.04	0.02	0.08	0.01	0.00	0.01	0.00	MDA Stopped		
7	Gujarat	0.22	0.84	0.84	0.42	0.83	0.92	0.46	0.52	0.24	0.31	0.97
8	Jharkhand	ND	0.84	1.40	1.34	1.10	1.11	0.82	0.63	0.61	ND	0.43
9	Karnataka	1.87	0.84	0.69	1.15	1.07	0.93	0.89	0.83	0.65	0.78	1.19
10	Kerala	0.68	0.50	0.67	0.65	0.29	0.39	0.17	0.14	0.21	0.15	0.11
11	Madhya Pradesh	0.83	0.40	0.38	0.70	0.36	0.40	0.19	0.23	0.09	0.09	0.31
12	Maharashtra	1.13	1.45	1.13	0.83	0.35	0.46	0.53	0.51	0.43	0.46	0.53
13	Orissa	2.60	2.37	1.11	0.99	0.74	0.69	0.40	0.43	0.34	0.34	0.77
14	Tamil Nadu	0.04	0.38	0.39	0.29	0.15	0.12	0.07	0.09	0.17	ND	0.11
15	Uttar Pradesh	1.77	1.01	0.81	0.32	0.41	ND	0.28	0.24	0.38	0.18	0.16
16	West Bengal	4.74	4.10	2.72	2.83	0.89	0.48	0.44	0.55	0.70	1.01	0.81
17	Puducherry	0.42	0.50	0.15	0.06	0.03	0.00	0.00	0.00	MDA Stopped		
18	A&N Islands	1.40	0.09	0.15	0.34	0.19	0.46	0.10	0.12	0.17	0.14	0.32
19	Daman & Diu	0.47	0.14	0.27	0.09	0.07	0.07	0.06	0.07	MDA Stopped		
20	D & N Haveli	1.96	2.01	2.91	3.47	1.82	1.23	0.95	1.79	0.71	0.54	0.54
21	Lakshadweep	1.19	0.09	0.07	0.02	0.27	0.00	0.00	ND	ND	ND	
	Total	1.24	1.02	0.97	0.64	0.52	0.65	0.41	0.37	0.43	0.30	0.4

ND: Not done**No deaths due to Lymphatic Filariasis reported**

Annexure-VII**Statement showing Central Assistance given to the States/UT-wise as Grants-in-aid (cash + kind) under National Vector Borne Disease Control Programme****(Rs. In Lakh)**

Sl. No.	States/UTs	2012-13	2013-14	2014-15	2015-16 (Prov.) till October
1	Andhra Pradesh	735.40	650.01	767.24	403.88
2	Arunachal Pradesh	835.43	1016.31	1166.76	989.34
3	Assam	1701.76	3813.45	2673.05	1426.71
4	Bihar	5931.06	4633.44	11474.31	4972.64
5	Chattisgarh	2592.03	1150.42	1343.50	311.70
6	Goa	100.00	55.87	90.75	47.50
7	Gujarat	812.54	736.94	1198.20	857.81
8	Haryana	276.90	87.49	247.50	191.25
9	Himachal Pradesh	60.21	54.01	99.75	0.00
10	J & K	43.88	76.11	89.86	44.50
11	Jharkhand	1404.27	1161.29	3162.25	3053.37
12	Karnataka	811.39	796.39	1810.27	163.02
13	Kerala	500.11	642.94	720.75	544.50
14	Madhya Pradesh	927.93	877.79	1796.90	1703.77
15	Maharashtra	1055.51	817.05	648.41	490.31
16	Manipur	228.35	211.63	907.05	645.00
17	Meghalaya	770.21	445.54	934.82	549.32
18	Mizoram	737.62	614.19	1199.05	757.65
19	Nagaland	930.15	439.32	1108.92	616.12
20	Odisha	2041.05	2483.66	2086.03	2583.75
21	Punjab	289.26	53.94	409.31	178.90
22	Rajasthan	1337.13	578.36	1404.50	1454.93
23	Sikkim	33.30	27.36	51.92	31.73
24	Tamil Nadu	150.00	1971.75	1561.50	1195.50
25	Telangana			429.00	423.76
26	Tripura	905.64	735.34	1353.85	652.03
27	Uttar Pradesh	1019.89	2694.72	3808.53	1704.26
28	Uttarakhand	162.51	0.71	127.33	122.78
29	West Bengal	1216.35	3057.17	1709.51	287.92
30	Delhi	4.65	232.12	444.00	0.00
31	Puducherry	78.36	7.73	39.81	36.33
32	A&N Islands	525.78	556.32	140.83	242.62
33	Chandigarh	64.77	63.19	56.25	59.90
34	D & N Haveli	108.69	50.74	29.96	132.54
35	Daman & Diu	38.91	23.56	39.01	74.49
36	Lakshadweep	29.55	6.93	0.95	40.05
	Total	28460.59	30823.79	45131.63	26989.88