

**GOVERNMENT OF INDIA
HEALTH AND FAMILY WELFARE
LOK SABHA**

UNSTARRED QUESTION NO:1110

ANSWERED ON:04.12.2015

Vector-Borne Diseases

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

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

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.

Annexure-I

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

Annexure-II

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

Sl. No.	State	2012	2013	2014	2015			
(Prov till 16th 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
 Annexure-IV

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
1	Andhra Pradesh	64	0	345	3 31 0 23 0
2	Arunachal Pradesh	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 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	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	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			

Annexure-V

State/UT-wise	Kala-azar	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
State	2012	2013	2014	2015 (Provisional Till Sept.)					
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