

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

**LOK SABHA
UNSTARRED QUESTION NO.984
TO BE ANSWERED ON 4TH DECEMBER, 2015**

CASES OF ENCEPHALITIS

**984. ADV. JOICE GEORGE:
DR. P. VENUGOPAL:**

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

(a) the number of cases of Japanese Encephalitis (JE) and Acute Encephalitis Syndrome (AES) and related deaths reported in the country during each of the last three years and the current year, State/UT-wise;

(b) the measures taken by the Government for prevention, diagnosis, treatment and surveillance of JE and AES indicating the financial and technical assistance provided and utilized during the said period, State/UT-wise;

(c) whether the aforesaid measures have yielded desired results, if so, the details thereof indicating decline in mortality and morbidity of JE and AES reported from endemic areas during the said period, State/UT-wise;

(d) whether the Government proposes to launch any adult JE vaccination programme and has identified certain districts for its introduction, and if so, the details thereof, State/UT-wise; and

(e) the other steps being taken by the Government for effective control and management of JE and AES in the country?

**ANSWER
THE MINISTER OF HEALTH AND FAMILY WELFARE
(SHRI JAGAT PRAKASH NADDA)**

(a): State-wise number of cases of Japanese Encephalitis (JE) and Acute Encephalitis Syndrome (AES) since 2012 is at Annexure- I.

(b): Government of India is implementing National Vector Borne Disease Control Programme in the country for prevention and control of Japanese Encephalitis (JE) and Acute Encephalitis Syndrome (AES) under the overarching umbrella of National Health Mission. The States/U.T's implement the programme activities and the technical guidance as well as financial assistance is provided by the Central Government. A multi-pronged strategy has been adopted under the National Programme for Prevention and Control of JE/AES in sixty high priority districts in 5 States of Assam, Bihar, Tamil Nadu, Uttar Pradesh and West Bengal with the participation of Ministry of Health & Family Welfare, Drinking Water & Sanitation, Housing Urban Poverty Alleviation, Social Justice & Empowerment, Women & Child Development and Human Resource Development (Department of School Education & Literacy). The Major components under the Programme include strengthening of JE/AES surveillance by establishing sentinel laboratories, reduction in case fatality rate by establishment of Pediatric intensive care Unit (PICU) at district level in 60 high burdened districts, capacity building in critical case

management, JE vaccination, supply of safe drinking water, establishment of Physical Medicine and Rehabilitation Department (PMR) in 10 identified medical college of five states.

Number of Sentinel sites have been increased from 51 in 2005 to 121 at present. Apex Referral Laboratories increased from 12 to 14. Out of 204 endemic districts, 182 have been covered under JE vaccination campaign in 1-15 years old children. JE vaccination campaign has been completed in all the 60 high endemic districts. The campaign is followed by two doses of JE vaccine under Routine Immunization (at 9 months and 16-24 months) to cover the new cohort. 23 districts (8 in UP, 7 in West Bengal, 4 in Assam and 4 in Tamil Nadu) have reported functional critical care facility. Till date funds have been released for 34 PICU. funds have been released for 9 PMR and 8 PMR are functional. State-wise allocation and release of funds are given at Annexure – II.

(c): The aforesaid measures have yielded desired results as steady decline in mortality and morbidity of AES has been noticed. 8073 AES Cases and 1109 AES Deaths have been reported in the country during 2015 till November which is lower than AES cases (9394) and AES deaths (1472) reported during the corresponding period of 2014. Case fatality rate (CFR) of AES also declined to 13.7% in 2015 from 15.7% in the corresponding period of 2014.

Although a small increase has been observed in number of JE cases in the country (1548) in 2015 (till November) compared to JE cases (1503) in corresponding period of 2014, number of deaths have declined from 280 to 268 during the period; CFR due to JE also declined from 18.6% to 17.3% during the period.

(d): Government proposed for adult JE vaccination in identified 20 high burden districts of the States of Assam, Uttar Pradesh and West Bengal in November, 2014. The details are as follows:

State	Name of Districts
Assam	Barpeta, Darang, Nagaon, Sonitpur and Udalgiri
Uttar Pradesh	Basti, Gorakhpur, Maharajganj, Siddarth Nagar, Deoria, Kushinagar and Sant Kabir Nagar
West Bengal	Bankura, Burdwan, Dakshin Dinajpur, Darjeeling, Hooghly, Jalpaiguri, Malda and Uttar Dinajpur

Adult JE vaccination has been completed in Darang, Nagaon and Sonitpur district of Assam, and Darjeeling and Jalpaiguri in West Bengal.

(e): Besides strategies implemented under the programme, multi-disciplinary Central Teams comprising of clinicians/ epidemiologist /microbiologist and NVBDCP officials was deputed to the States of Assam, Uttar Pradesh and West Bengal during 2015 in view of increase in number of JE/AES cases. Furthermore, Central Medical Teams were deputed to districts of Dibrugarh, Sivasagar and Golaghat to assist the state for case management on 25.07.2015.

Encephalitis Treatment Centre has been established under State initiative at Block level.

The programme is monitored at the level of Hon'ble HFM, Secretary (H), and other senior officers.

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Annexure-I

Number of AES and JE Case (C) and Death (D) - 2012 to 2015 (till 29.11.2015)

Sl. No	States/ UTs	Year															
		2012				2013				2014				2015 (P) (till 29.11.2015)			
		AES		JE		AES		JE		AES		JE		AES		JE	
		C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
1	Andhra Pradesh	64	0	3	0	345	3	7	3	31	0	0	0	23	0	0	0
2	Arunachal Pradesh	0	0	0	0	0	0	0	0	102	11	32	3	73	2	30	2
3	Assam	1343	229	463	100	1388	272	495	134	2194	360	761	165	1323	260	614	135
4	Bihar	745	275	8	0	417	143	14	0	1358	355	20	2	255	80	62	10
5	Delhi	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
6	Goa	84	0	9	0	48	1	3	1	17	0	0	0	0	0	0	0
7	Haryana	5	0	3	0	2	0	2	0	6	1	5	1	2	0	2	0
8	Jharkhand	16	0	1	0	270	5	89	5	288	2	90	2	143	1	42	1
9	Karnataka	189	1	1	0	162	0	2	0	75	0	13	0	243	1	21	1
10	Kerala	29	6	2	0	53	6	2	0	6	2	3	2	13	1	2	1
11	Maharashtra	37	20	3	0	0	0	0	0	0	0	0	0	43	0	6	0
12	Manipur	2	0	0	0	1	0	0	0	16	0	1	0	34	0	6	0
13	Meghalaya	0	0	0	0	0	0	0	0	212	3	72	3	74	8	39	8
14	Nagaland	21	2	0	0	20	0	4	0	20	1	6	0	10	1	0	0
15	Punjab	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
16	Tamil Nadu	935	64	25	4	77	8	33	0	346	4	36	3	714	0	46	0
17	Tripura	0	0	0	0	211	0	14	0	323	0	14	0	350	4	23	4
18	Uttarakhand	174	2	1	0	0	0	0	0	2	0	2	0	2	0	2	0
19	Uttar Pradesh	3484	557	139	23	3096	609	281	47	3329	627	191	34	2730	422	340	39
20	West Bengal	1216	100	87	13	1735	226	140	12	2385	348	415	78	1938	329	308	67
21	Telengna	0	0	0	0	0	0	0	0	155	5	0	0	101	0	4	0
	Grand Total	8344	1256	745	140	7825	1273	1086	202	10867	1719	1661	293	8073	1109	1548	268

Allocation, Releases (Cash + Commodity) and Expenditure under NVBDCP

Sl. No.	States/UTs	2013-14			2014-15			2015-16 (prov. upto 31.10.2015)		
		Allocation	Released	Expenditure	Allocation	Released	Expenditure.)	Allocation	Released	Expenditure/ Released (Prov.)
1	Andhra Prd.	2316.32	650.01	809.48	2510.00	767.24	781.00	858.00	403.88	403.88
2	Arunachal Prd.	1876.65	1016.31	887.50	1291.00	1166.76	608.00	1273.00	989.34	989.34
3	Assam	5168.19	3813.45	3627.12	3036.00	2673.05	2211.00	2592.00	1426.71	1426.71
4	Bihar	6038.31	4633.44	3633.90	4800.00	11474.31	12296.00	4085.00	4972.64	4972.64
5	Chattisgarh	2999.22	1150.42	1561.82	2990.00	1343.50	2039.00	2545.00	311.70	311.70
6	Goa	125.81	55.87	80.63	128.00	90.75	47.00	98.00	47.50	47.50
7	Gujarat	1612.71	736.94	992.80	2380.00	1198.20	1121.78	1148.00	857.81	857.81
8	Haryana	203.50	87.49	167.08	363.00	247.50	90.00	255.00	191.25	191.25
9	Himachal Prd.	120.55	54.01	15.00	140.00	99.75	12.00	104.00	0.00	0.00
10	J & K	110.33	76.11	53.57	155.00	89.86	68.00	92.00	44.50	44.50
11	Jharkhand	3836.09	1161.29	2262.41	4139.50	3162.25	2779.04	5537.00	3053.37	3053.37
12	Karnataka	1630.66	796.39	1049.81	2320.00	1810.27	1245.00	1954.00	163.02	163.02
13	Kerala	745.56	642.94	520.71	1007.00	720.75	720.75	726.00	544.50	544.50
14	Madhya Prd.	2053.50	877.79	1434.24	2390.00	1796.90	1395.55	2442.00	1703.77	1703.77
15	Maharashtra	1557.04	817.05	921.56	2187.00	648.41	679.00	639.00	490.31	490.31
16	Manipur	1007.41	211.63	320.55	1091.00	907.05	780.02	917.00	645.00	645.00
17	Meghalaya	1146.96	445.54	414.08	1162.00	934.82	818.30	966.00	549.32	549.32
18	Mizoram	1398.49	614.19	759.56	1248.00	1199.05	929.18	1220.00	757.65	757.65
19	Nagaland	1678.25	439.32	487.45	1533.00	1108.92	778.17	1203.00	616.12	616.12
20	Orissa	4603.18	2483.66	2665.24	5170.00	2086.03	1906.48	3888.00	2583.75	2583.75
21	Punjab	296.00	53.94	206.13	550.00	409.31	150.00	398.00	178.90	178.90
22	Rajasthan	652.67	578.36	724.61	990.00	1404.50	1404.50	2614.00	1454.93	1454.93
23	Sikkim	50.00	27.36	71.88	70.00	51.92	49.67	53.00	31.73	31.73
24	Tamil Nadu	1971.75	1971.75	2428.42	2250.00	1561.50	580.00	1619.00	1195.50	1195.50
25	Telangana					429.00	183.87	487.00	423.76	423.76
26	Tripura	1779.88	735.34	210.78	1459.00	1353.85	1109.78	1400.00	652.03	652.03
27	Uttar Pradesh	3469.29	2694.72	255.76	3905.50	3808.53	2015.00	4335.00	1704.26	1704.26
28	Uttarakhand	117.50	0.71	106.36	125.00	127.33	127.32	205.00	122.78	122.78
29	West Bengal	3381.03	3057.17	2012.76	3500.00	1709.51	1650.00	1800.00	287.92	287.92
30	Delhi	309.50	232.12	0.00	584.00	444.00	5.00	170.00	0.00	0.00
31	Puducherry	53.87	7.73	44.52	56.00	39.81	39.81	49.00	36.33	36.33
32	A&N Islands	537.20	556.32	540.42	250.00	140.83	157.69	352.00	242.62	242.62

33	Chandigarh	75.50	63.19	32.88	96.00	56.25	45.00	80.00	59.90	59.90
34	D & N Haveli	79.44	50.74	75.83	98.00	29.96	45.00	95.00	132.54	132.54
35	Daman & Diu	54.49	23.56	34.30	72.00	39.01	13.13	68.00	74.49	74.49
36	Lakshadweep	43.15	6.93	15.25						
					54.00	0.95	0.95	46.00	40.05	40.05
	Total	53100.00	30823.79	29424.41	54100.00	45131.63	38881.99	46313.00	26989.88	26989.88