

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

**LOK SABHA
UNSTARRED QUESTION NO.4419
TO BE ANSWERED ON 19TH JULY, 2019**

WATER BORNE DISEASES

4419. SHRI MOHANBHAI KALYANJI KUNDARIYA:

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

- (a) whether the Government has taken note of high prevalence of various waterborne diseases due to intake of contaminated water in the country;
- (b) if so, the details thereof along with the funds earmarked, allocated and utilised by the States/UTs to tackle the situation during the last three years;
- (c) whether the Government proposes any awareness and immunization drive against certain waterborne diseases; and
- (d) if so, the details thereof?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(SHRI ASHWINI KUMAR CHOUBEY)**

(a) & (b): As per data from Central Bureau of Health Intelligence (CBHI), the details of cases and deaths due to waterborne diseases in the country; State/UT-wise during the last three years are given in **Annexure I**.

Water borne diseases like Acute Diarrheal Disease, Cholera, Enteric fever, Hepatitis A & E etc. are caused due to intake of contaminated water and unhygienic food.

Government of India has launched Integrated Disease Surveillance Programme (IDSP) with the objective to detect and respond to disease outbreaks due to epidemic prone communicable diseases including outbreaks due to water borne diseases.

To prevent the spread such outbreaks, under IDSP States/UTs are provided with additional manpower, training of identified Rapid Response Team (RRT) members for outbreak investigations, strengthening of laboratories for detection of epidemic prone diseases, IT equipment for data entry, analysis and data transfer, and provision of funds for operationalization of the programme. The details funds released to the States/UTs from the year 2015-16 to 2018-19 are given in **Annexure II**.

As reported by the Ministry of Jal Shakti, Department of Drinking Water and Sanitation National Water Quality Sub-Mission (NWQSM) was launched under National Rural Drinking Water Programme (NRDWP) to provide safe drinking water to 27,544 arsenic/fluoride affected rural habitations in the country.

The details of fund released under NWQSM during the last 3 years are as under:

S. No.	Year	Amount (in Cr.)
1	2016-17	814.13
2	2017-18	2011.55
3	2018-19	864.66

States can utilize up to 5% of funds released to them under NRDWP for water quality monitoring and surveillance.

Further, 2% of the NRDWP funds are earmarked for Japanese Encephalitis/Acute Encephalitis Syndrome affected districts of the states (high priority districts).

In addition, during March, 2016, with the recommendation of NITI Aayog, an amount of Rs. 1000 Crores was also released to various Arsenic & Fluoride affected States/UTs for installation of community water purification plants.

(c) & (d): Under Universal Immunization Programme (UIP), immunization is being provided free of cost against 2 water borne vaccine preventable diseases i.e. Polio and Rotavirus diarrhoea.

States/UTs wise Cases and Deaths Due to Cholera reported during 2016 – 2018							
Sl No	State / U.T.	2016		2017		2018 (Prov.)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	0	0	0	0	0	0
2	Arunachal Pradesh	9	0	0	0	0	0
3	Assam	0	0	0	0	0	0
4	Bihar	0	0	0	0	0	0
5	Chhattisgarh	12	0	0	0	0	0
6	Goa	0	0	7	0	0	0
7	Gujarat	88	0	85	0	106	0
8	Haryana	0	0	2	0	21	2
9	Himachal Pradesh	0	0	0	0	0	0
10	J & K	0	0	0	0	1	0
11	Jharkhand	5	0	0	0	0	0
12	Karnataka	33	1	15	0	12	0
13	Kerala	7	0	8	1	3	0
14	Madhya Pradesh	42	1	0	0	26	0
15	Maharashtra	107	0	103	0	40	4
16	Manipur	0	0	0	0	0	0
17	Meghalaya	0	0	0	0	15	0
18	Mizoram	0	0	0	0	0	0
19	Nagaland	0	0	0	0	0	0
20	Odisha	0	0	0	0	3	0
21	Punjab	0	0	0	0	0	0
22	Rajasthan	2	0	17	0	0	0
23	Sikkim	0	0	0	0	0	0
24	Tamil Nadu	3	0	5	0	0	0
25	Telangana	0	0	8	0	0	0
26	Tripura	0	0	0	0	0	0
27	Uttarakhand	0	0	0	0	0	0
28	Uttar Pradesh	0	0	1	0	153	0
29	West Bengal	157	0	112	0	126	0
30	A & N Islands	0	0	0	0	0	0
31	Chandigarh	10	0	8	0	9	0
32	D & N Haveli	15	1	0	0	2	0
33	Daman & Diu	0	0	0	0	0	0
34	Delhi	228	0	137	2	134	0
35	Lakshadweep	0	0	0	0	0	0
36	Puducherry	0	0	0	0	0	0
Total		718	3	508	3	651	6

Source: Monthly Health Condition Reports from Directorate of Health Services of States/UTs.

States/UTs wise Cases and Deaths Due to Acute Diarrhoeal Diseases reported during 2016 – 2018							
Sl No	State / U.T.	2016		2017		2018 (Prov.)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	11,94,005	11	11,89,407	52	11,93,473	72
2	Arunachal Pradesh	12,746	2	23,888	2	22,972	1
3	Assam	88,736	282	1,65,347	239	2,34,578	439
4	Bihar	3,89,399	8	3,09,855	19	2,74,792	9
5	Chhattisgarh	1,57,064	33	1,80,587	27	1,39,809	20
6	Goa	15,740	4	20,706	11	23,546	0
7	Gujarat	6,40,602	0	6,19,174	0	7,29,132	0
8	Haryana	2,24,780	14	2,36,752	20	2,19,415	55
9	Himachal Pradesh	3,10,749	56	3,14,463	26	3,00,183	14
10	J & K	5,34,341	0	5,12,376	5	4,89,006	2
11	Jharkhand	94,748	0	95,118	0	82,634	8
12	Karnataka	9,30,452	4	9,17,488	15	9,23,036	4
13	Kerala	4,77,435	15	4,52,953	6	5,50,659	3
14	Madhya Pradesh	7,82,421	122	7,19,423	102	5,18,294	34
15	Maharashtra	10,51,445	52	7,06,181	23	5,82,312	37
16	Manipur	33,193	21	32,085	18	29,059	15
17	Meghalaya	1,67,687	30	1,35,057	6	1,23,068	6
18	Mizoram	14,849	16	16,310	11	14,678	4
19	Nagaland	17,539	0	16,127	3	14,386	0
20	Odisha	7,81,917	104	7,28,243	110	6,00,595	75
21	Punjab	1,95,281	44	2,03,510	35	1,71,461	43
22	Rajasthan	8,98,033	7	9,71,113	1	9,36,410	1
23	Sikkim	49,691	0	41,816	0	41,449	5
24	Tamil Nadu	3,69,325	9	4,15,845	2	3,72,705	8
25	Telangana	10,07,284	19	4,87,099	1	4,88,094	1
26	Tripura	97,653	6	79,432	8	79,561	7
27	Uttarakhand	1,11,084	7	98,781	4	90,361	5
28	Uttar Pradesh	11,02,042	304	12,57,202	309	13,08,083	229
29	West Bengal	20,52,123	192	21,15,771	129	22,51,152	167
30	A & N Islands	23,547	0	15,751	0	12,660	0
31	Chandigarh	49,891	61	51,453	42	56,393	47
32	D & N Haveli	43,280	12	42,231	12	50,576	4
33	Daman & Diu	13,062	0	15,291	0	13,832	0
34	Delhi	1,37,664	115	1,28,585	117	1,56,161	127
35	Lakshadweep	4,387	0	6,968	0	6,208	0
36	Puducherry	92,379	5	94,360	7	94,042	8
Total		1,41,66,574	1,555	1,34,16,748	1,362	1,31,94,775	1,450

Source: Monthly Health Condition Reports from Directorate of Health Services of States/UTs.

States/UTs wise Cases and Deaths due to Enteric Fever (Typhoid) reported during 2016 – 2018							
SI No	State / U.T.	2016		2017		2018 (Prov.)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	1,70,249	0	1,63,929	17	1,48,490	7
2	Arunachal Pradesh	4,582	1	3,553	0	2,458	0
3	Assam	19,328	0	15,137	122	16,473	83
4	Bihar	2,01,672	2	1,71,281	2	1,29,622	1
5	Chhattisgarh	74,632	8	71,321	3	60,164	4
6	Goa	724	0	346	0	530	0
7	Gujarat	45,970	0	41,794	0	56,390	1
8	Haryana	35,969	0	48,581	4	55,698	7
9	Himachal Pradesh	38,093	7	39,692	12	25,821	5
10	J & K	45,520	0	45,845	0	40,000	0
11	Jharkhand	42,163	0	41,685	0	36,272	0
12	Karnataka	97,493	1	1,37,973	4	1,27,150	0
13	Kerala	2,038	0	2,561	0	2,234	0
14	Madhya Pradesh	1,23,075	21	1,08,759	9	72,805	3
15	Maharashtra	1,37,617	0	95,814	0	1,14,559	9
16	Manipur	4,942	2	4,184	0	3,483	0
17	Meghalaya	14,204	0	7,893	0	7,466	0
18	Mizoram	2,869	2	2,537	1	3,387	0
19	Nagaland	9,741	0	9,483	6	9,089	0
20	Odisha	74,306	19	58,935	15	52,765	7
21	Punjab	37,896	3	44,994	1	55,239	2
22	Rajasthan	87,097	0	79,017	0	87,751	0
23	Sikkim	482	0	104	0	158	0
24	Tamil Nadu	33,573	0	49,806	14	44,316	1
25	Telangana	1,56,115	2	54,695	0	51,145	0
26	Tripura	5,715	0	2,836	4	3,664	2
27	Uttarakhand	33,904	4	32,367	7	33,685	4
28	Uttar Pradesh	5,03,497	312	6,50,192	248	7,64,272	224
29	West Bengal	1,61,429	22	2,38,569	8	2,51,296	17
30	A & N Islands	838	1	664	0	640	0
31	Chandigarh	12,237	48	11,531	1	13,158	0
32	D & N Haveli	4,420	1	7,820	1	9,246	0
33	Daman & Diu	197	0	480	0	615	0
34	Delhi	31,225	55	18,368	17	27,132	20
35	Lakshadweep	50	0	111	0	57	0
36	Puducherry	1,943	0	1,596	0	1,307	2
Total		22,15,805	511	22,64,453	496	23,08,537	399

Source: Monthly Health Condition Reports from Directorate of Health Services of States/UTs.

States/UTs wise Cases and Deaths Due to Viral Hepatitis (All Causes) reported during 2016 – 2018							
Sl No	State / U.T.	2016		2017		2018 (Prov.)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	2,402	1	7,382	82	8,817	141
2	Arunachal Pradesh	273	4	140	1	70	0
3	Assam	2,688	14	1,387	0	4,930	3
4	Bihar	28,401	0	24,630	0	4,985	1
5	Chhattisgarh	547	15	349	7	603	7
6	Goa	121	0	107	2	213	1
7	Gujarat	3,573	2	3,838	0	7,325	0
8	Haryana	2,228	0	9,090	16	9,470	14
9	Himachal Pradesh	2,716	18	1,001	2	1,038	4
10	J & K	3,581	0	5,171	0	4,195	0
11	Jharkhand	1,406	0	1,869	4	190	1
12	Karnataka	6,013	17	5,006	5	5,017	8
13	Kerala	5,330	18	5,022	7	5,583	7
14	Madhya Pradesh	14,855	22	17,907	8	7,395	3
15	Maharashtra	11,762	6	6,289	2	9,030	2
16	Manipur	182	1	128	0	298	0
17	Meghalaya	244	3	319	1	494	4
18	Mizoram	225	1	229	2	299	2
19	Nagaland	87	0	768	0	323	0
20	Odisha	3,522	20	3,069	39	1,809	13
21	Punjab	9,831	7	13,971	8	16,909	25
22	Rajasthan	2,471	1	5,321	0	1,463	0
23	Sikkim	1,182	0	300	0	205	0
24	Tamil Nadu	663	0	733	1	1,389	0
25	Telangana	2,270	0	117	0	24	0
26	Tripura	169	4	88	0	78	0
27	Uttarakhand	10,930	16	10,900	14	8,774	23
28	Uttar Pradesh	13,250	47	20,720	43	24,868	42
29	West Bengal	2,900	114	3,429	75	3,704	81
30	A & N Islands	182	0	72	0	111	1
31	Chandigarh	1,179	7	1,240	21	1,535	10
32	D & N Haveli	7	2	18	4	47	5
33	Daman & Diu	31	0	63	0	160	0
34	Delhi	10,323	104	13,323	190	12,377	180
35	Lakshadweep	10	0	5	0	7	0
36	Puducherry	416	7	288	3	239	6
Total		1,45,970	451	1,64,289	537	1,43,974	584

Source: Monthly Health Condition Reports from Directorate of Health Services of States/UTs.

Release of funds under Integrated Disease Surveillance Programme (Rs. in Lakhs)

S. No	States / UTs	2015-16	2016-17	2017-18	2018-19
1	Andhra Pradesh	132.50	163.00	144.00	104.00
2	Gujarat	325.00	400.00	387.00	432.00
3	Karnataka	300.00	490.00	430.00	246.00
4	Maharashtra	225.00	240.00	239.00	259.00
5	Punjab	325.92	400.00	318.00	259.00
6	Rajasthan	325.00	400.00	435.00	311.00
7	Tamil Nadu	350.00	440.00	384.00	276.00
8	Uttarakhand	200.00	187.50	135.00	190.00
9	West Bengal	200.00	200.00	190.00	0.00
10	A & N Islands	5.25	0.00	50.00	0.00
11	Bihar	210.00	172.50	180.00	0.00
12	Chandigarh	23.25	40.00	46.00	45.00
13	Chhattisgarh	200.00	150.00	200.00	43.00
14	D & N Haveli	32.17	17.50	53.00	90.00
15	Daman & Diu	50.00	17.50	50.00	45.00
16	Delhi	105.00	75.00	151.00	77.00
17	Goa	40.00	37.50	20.00	0.00
18	Haryana	185.00	150.00	135.00	136.00
19	Himachal Pradesh	70.00	60.00	68.00	87.00
20	J & K	250.00	250.00	271.00	224.00
21	Jharkhand	220.00	100.00	150.00	172.00
22	Kerala	150.00	200.00	178.00	155.00
23	Lakshadweep	-	-	5.00	19.00
24	Madhya Pradesh	300.00	225.00	249.00	216.00
25	Orissa	325.00	150.00	0.00	194.00
26	Puducherry	65.00	75.00	75.00	52.00
27	Uttar Pradesh	300.00	337.50	363.00	475.00
28	Telangana	125.00	105.00	123.00	129.00
29	Arunachal Pradesh	220.00	203.00	324.00	227.00
30	Assam	404.00	341.00	390.00	371.00
31	Manipur	75.00	75.00	192.00	90.00
32	Meghalaya	100.00	52.50	120.00	112.00
33	Mizoram	100.00	67.50	140.00	139.00
34	Nagaland	150.00	105.00	200.00	148.00
35	Sikkim	40.00	37.50	50.00	69.00
36	Tripura	40.00	37.50	34.00	69.00
Total		6168.09	6002.00	6479.00	5461.00