

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

**LOK SABHA
STARRED QUESTION NO. 567
TO BE ANSWERED ON THE 6TH APRIL, 2018
WATER-BORNE DISEASES**

***567. SHRI RAMA KISHORE SINGH:**

SHRI E.T. MOHAMMED BASHEER:

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

- (a) whether it has come to the notice of the Government that water-borne diseases are increasing rapidly in the country and if so, the details thereof;
- (b) the number of people died due to such diseases during the last five years and the current year, State/UT-wise;
- (c) the steps taken to reduce the number of deaths due to such diseases;
- (d) whether the Government proposes a comprehensive plan to address the issue; and
- (e) if so, the details thereof?

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

(a) to (e) : A Statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO LOK SABHA
STARRED QUESTION NO. 567* FOR 6TH APRIL, 2018**

(a) & (b): Consumption of contaminated drinking water is the cause for diseases such as Cholera, Acute Diarrhoeal Diseases, Enteric Fever (Typhoid) & Viral Hepatitis (A & E) etc. As per the data reported by Central Bureau of Health Intelligence (CBHI), there is no rapid increase in these diseases. State/UT-wise cases and deaths due to these diseases during the last five years are given at Annexure.

(c) to (e): Health is a State subject and the responsibility for providing healthcare facilities to patients primarily lies with the respective State Governments. However, the Ministry of Health and Family Welfare provides financial and technical assistance to States/UTs under the National Health Mission (NHM) for strengthening of Primary and Secondary health care facilities to effectively respond to health care needs including health problems arising from consumption of contaminated drinking water. To prevent the spread such outbreaks, under the Integrated Disease Surveillance Programme (IDSP), States/UTs are provided with additional manpower, training of identified Rapid Response Team 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. Funds are also released under IDSP to all the States as grant-in-aid to undertake diseases surveillance and outbreak response activities.

Government of India started the National Programme for Prevention and Control of Fluorosis (NPPCF) during the 11th Five Year Plan. So far 147 districts of 19 States have been covered under this programme. The important components of the programme are surveillance of fluorosis in the community, Information, Education and Communication (IEC) activities, capacity building in the form of training and manpower support, establishment of diagnostic facilities, management of fluorosis cases including treatment, surgery, rehabilitation and health education.

The Guidelines 'Detection, Prevention and Management of Arsenicosis in India - A Field Guide' have also been finalized and has been sent to the arsenic affected States (i.e. Assam, Bihar, Karnataka, Punjab, Uttar Pradesh & West Bengal). State Governments are also advised to strengthen District/CHC infrastructure for early diagnosis, management and treatment of Arsenic affected cases and for this purpose they can seek necessary support in the State PIPs under NHM.

Further, provision of safe drinking water is the main strategy to reduce the number of water-borne diseases. Ministry of Drinking Water and Sanitation supplements efforts of the States by providing technical and financial assistance under the centrally sponsored National Rural Drinking Water Programme (NRDWP) for providing safe and adequate drinking water supply facilities in rural areas of the country.

Annexure

States/UTs wise Cases and Deaths Due to Cholera reported during 2013 – 2017											
SI No	State / U.T.	2013		2014		2015		2016		2017 (Prov.)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	31	0	0	0	0	0	0	0	78	0
2	Arunachal Pradesh	0	0	0	0	0	0	9	0	0	0
3	Assam	0	0	0	0	0	0	0	0	0	0
4	Bihar	0	0	0	0	0	0	0	0	0	0
5	Chhattisgarh	2	0	20	0	7	0	12	0	0	0
6	Goa	0	0	0	0	0	0	0	0	7	0
7	Gujarat	327	1	158	0	52	0	88	0	78	0
8	Haryana	16	0	7	0	0	0	0	0	22	0
9	Himachal Pradesh	0	0	0	0	0	0	0	0	0	0
10	J & K	0	0	0	0	0	0	0	0	0	0
11	Jharkhand	9	0	0	0	36	0	5	0	31	0
12	Karnataka	200	0	32	0	14	2	33	1	15	0
13	Kerala	23	0	3	0	0	0	7	0	1	1
14	Madhya Pradesh	8	0	17	0	104	0	42	1	0	0
15	Maharashtra	293	1	252	2	213	1	107	0	16	0
16	Manipur	0	0	0	0	0	0	0	0	0	0
17	Meghalaya	0	0	1	1	0	0	0	0	0	0
18	Mizoram	0	0	0	0	26	0	0	0	5	0
19	Nagaland	0	0	0	0	0	0	0	0	0	0
20	Odisha	0	0	0	0	2	0	0	0	0	0
21	Punjab	0	0	0	0	0	0	0	0	0	0
22	Rajasthan	5	0	56	0	3	0	2	0	4	0
23	Sikkim	0	0	0	0	0	0	0	0	0	0
24	Tamil Nadu	42	3	14	0	15	0	3	0	6	0
25	Telangana	NA	NA	NA	NA	0	0	0	0	8	0
26	Tripura	0	0	0	0	0	0	0	0	0	0
27	Uttarakhand	1	0	0	0	0	0	0	0	0	0
28	Uttar Pradesh	0	0	0	0	47	0	0	0	43	0
29	West Bengal	120	0	173	0	155	0	157	0	2	0
30	A & N Islands	0	0	0	0	0	0	0	0	0	0
31	Chandigarh	0	0	15	0	133	0	10	0	8	0
32	D & N Haveli	25	0	28	1	14	1	15	1	0	0
33	Daman & Diu	0	0	0	0	0	0	0	0	0	0
34	Delhi	25	0	65	1	91	0	228	0	61	2
35	Lakshadweep	0	0	0	0	0	0	0	0	0	0
36	Puducherry	3	0	3	0	1	0	0	0	0	0
Total		1130	5	844	5	913	4	718	3	385	3

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

Note :

1. 2014: Andhra Pradesh Excludes data of 10 districts of Telangana from July 2014.
2. NA stands for Not Available.
3. 2017: Data is different for different reference period

States/UTs wise Cases and Deaths Due to Acute Diarrhoeal Diseases reported during 2013 – 2017											
SI No	State / U.T.	2013		2014		2015		2016		2017 (Prov.)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	1855496	110	1332145	10	1122740	5	1194005	11	651882	3
2	Arunachal Pradesh	30756	3	12657	5	10834	4	12746	2	4826	1
3	Assam	105876	147	83373	73	128392	121	88736	282	117031	161
4	Bihar	550281	24	550038	24	455125	36	389399	8	293540	14
5	Chhattisgarh	104966	37	115561	32	132278	13	157064	33	135902	17
6	Goa	16485	0	16097	4	13204	1	15740	4	7271	5
7	Gujarat	427523	8	504857	3	567123	3	640602	0	516186	0
8	Haryana	168527	27	197898	8	190390	4	224780	14	186750	11
9	Himachal Pradesh	349904	56	350459	52	334168	41	310749	56	247993	21
10	J & K	591231	1	515013	0	472843	2	534341	0	410190	3
11	Jharkhand	81045	4	81451	17	81934	0	94748	0	63487	0
12	Karnataka	545794	81	810781	12	832356	13	930452	4	660193	15
13	Kerala	372440	12	402106	9	428374	2	477435	15	330376	6
14	Madhya Pradesh	535012	89	768021	112	740690	74	782421	122	457892	75
15	Maharashtra	527115	0	664014	4	877638	27	1051445	52	442419	3
16	Manipur	25333	37	29954	32	29159	23	33193	21	23942	14
17	Meghalaya	186023	12	197024	29	167691	32	167687	30	83466	3
18	Mizoram	13518	12	14201	10	14215	11	14849	16	9414	5
19	Nagaland	21672	0	22301	0	15511	0	17539	0	9573	3
20	Odisha	656838	217	767575	190	782151	139	781917	104	444650	43
21	Punjab	183533	13	170438	22	179211	37	195281	44	137303	16
22	Rajasthan	545293	18	676832	17	810518	13	898033	7	660644	1
23	Sikkim	42410	1	39983	2	53295	3	49691	0	28115	0
24	Tamil Nadu	278701	23	250264	14	308358	8	369325	9	317374	1
25	Telangana	NA	NA	NA	NA	963573	20	1007284	19	344653	1
26	Tripura	92826	17	80388	22	88064	5	97653	6	59852	5
27	Uttarakhand	84792	12	90428	14	108974	6	111084	7	73055	4
28	Uttar Pradesh	828367	272	754582	301	814481	320	1102042	304	962459	250
29	West Bengal	1830310	302	1896182	200	1798754	196	2052123	192	1296683	44
30	A & N Islands	29391	0	23947	2	22398	0	23547	0	9616	0
31	Chandigarh	44664	2	39277	29	45284	90	49891	61	41833	37
32	D & N Haveli	62259	0	63337	0	51195	4	43280	12	30720	8
33	Daman & Diu	8615	2	12831	0	18169	2	13062	0	10612	0
34	Delhi	129367	62	120618	77	157445	96	137664	115	86981	63
35	Lakshadweep	7496	0	6750	0	4472	0	4387	0	2090	0
36	Puducherry	79751	28	87248	11	92599	2	92379	5	71599	7
Total		11413610	1629	11748631	1337	12913606	1353	14166574	1555	9230572	840

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

Note :

1. 2014: Andhra Pradesh Excludes data of 10 districts of Telangana from July 2014.
2. NA stands for Not Available.
3. 2017: Data is different for different reference period

State/UTs wise Cases and Deaths due to Enteric Fever (Typhoid) reported during 2013 – 2017											
SI No	State / U.T.	2013		2014		2015		2016		2017 (Prov.)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	256458	6	186446	5	146385	0	170249	0	57490	1
2	Arunachal Pradesh	7359	4	4512	3	4476	10	4582	1	551	0
3	Assam	6521	0	5328	29	11333	9	19328	0	10970	68
4	Bihar	261791	2	283679	4	265469	1	201672	2	174787	2
5	Chhattisgarh	27457	2	32617	1	47970	1	74632	8	52111	3
6	Goa	355	0	573	0	1603	1	724	0	118	0
7	Gujarat	22962	1	29505	0	35362	1	45970	0	33314	0
8	Haryana	27115	0	29990	1	31965	0	35969	0	30605	0
9	Himachal Pradesh	37128	2	48786	6	40639	6	38093	7	31925	5
10	J & K	70859	0	57537	1	52359	0	45520	0	34971	0
11	Jharkhand	24806	7	36663	7	28330	4	42163	0	25886	0
12	Karnataka	61485	9	92959	1	85837	1	97493	1	97406	3
13	Kerala	4325	3	2269	0	2862	0	2038	0	1677	0
14	Madhya Pradesh	114578	28	155190	25	125737	8	123075	21	68182	4
15	Maharashtra	81458	1	102299	0	130809	0	137617	0	53936	0
16	Manipur	10927	17	10636	10	5422	0	4942	2	2539	0
17	Meghalaya	9134	1	10395	8	13459	0	14204	0	4010	0
18	Mizoram	2765	3	2758	4	2804	0	2869	2	1818	0
19	Nagaland	12736	0	11604	0	7977	0	9741	0	5759	6
20	Odisha	60337	56	90363	39	90895	45	74306	19	34539	9
21	Punjab	35136	5	34651	1	34867	3	37896	3	27247	1
22	Rajasthan	65331	5	83540	4	79244	0	87097	0	46486	0
23	Sikkim	186	0	716	0	453	2	482	0	65	0
24	Tamil Nadu	31440	1	29937	0	40579	0	33573	0	34831	0
25	Telangana	NA	NA	NA	NA	163747	0	156115	2	33723	0
26	Tripura	12849	1	10553	0	4596	1	5715	0	1856	4
27	Uttarakhand	25956	0	28939	14	34120	10	33904	4	21237	3
28	Uttar Pradesh	224748	161	225829	203	288140	221	503497	312	429348	162
29	West Bengal	108695	39	90086	42	112262	24	161429	22	148764	5
30	A & N Islands	1501	3	881	0	870	0	838	1	508	0
31	Chandigarh	3251	0	6021	0	12447	88	12237	48	9361	1
32	D & N Haveli	4323	0	2439	0	1406	0	4420	1	5448	0
33	Daman & Diu	888	0	167	0	165	0	197	0	184	0
34	Delhi	32691	29	27339	14	30698	16	31225	55	10231	9
35	Lakshadweep	3	0	3	0	77	0	50	0	91	0
36	Puducherry	2591	1	1477	3	2049	0	1943	0	1076	0
Total		1650145	387	1736687	425	1937413	452	2215805	511	1493050	286

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

Note :

1. 2014: Andhra Pradesh Excludes data of 10 districts of Telangana from July 2014.
2. NA stands for Not Available.
3. 2017: Data is different for different reference period

State/UTs wise Cases and Deaths Due to Viral Hepatitis (All Causes) reported during 2013 – 2017											
Sl No	State / U.T.	2013		2014		2015		2016		2017 (Prov.)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
1	Andhra Pradesh	8739	34	3716	1	3358	12	2402	1	679	1
2	Arunachal Pradesh	588	0	378	6	292	1	273	4	49	1
3	Assam	466	0	2033	13	809	9	2688	14	988	0
4	Bihar	6736	2	20670	3	26729	2	28401	0	14431	0
5	Chhattisgarh	670	5	548	4	532	6	547	15	218	2
6	Goa	173	0	182	0	162	0	121	0	47	3
7	Gujarat	3676	6	4808	7	3736	0	3573	2	2673	0
8	Haryana	1307	1	1934	13	5184	3	2228	0	4586	1
9	Himachal Pradesh	2023	14	2808	9	1739	1	2716	18	620	2
10	J & K	6307	0	5110	0	4028	0	3581	0	4351	0
11	Jharkhand	1444	65	1052	1	1258	1	1406	0	1427	4
12	Karnataka	5415	16	6402	8	6026	21	6013	17	3555	4
13	Kerala	7034	8	5567	4	3965	7	5330	18	3465	6
14	Madhya Pradesh	14055	11	16145	18	14030	25	14855	22	8728	6
15	Maharashtra	5851	13	6753	13	9738	10	11762	6	4645	1
16	Manipur	258	0	443	0	88	0	182	1	87	0
17	Meghalaya	518	0	643	0	299	0	244	3	131	0
18	Mizoram	419	10	194	0	209	4	225	1	142	1
19	Nagaland	119	0	113	0	76	0	87	0	17	0
20	Odisha	3743	90	5069	39	5146	24	3522	20	1940	7
21	Punjab	3099	6	4525	4	9330	8	9831	7	7001	2
22	Rajasthan	2384	10	9719	3	3247	0	2471	1	3806	0
23	Sikkim	692	1	556	0	1344	0	1182	0	273	0
24	Tamil Nadu	1868	0	880	0	1066	1	663	0	534	1
25	Telangana	NA	NA	NA	NA	1735	1	2270	0	82	0
26	Tripura	205	1	177	1	183	1	169	4	74	0
27	Uttarakhand	8619	11	9243	9	10242	15	10930	16	8064	9
28	Uttar Pradesh	9079	17	16037	50	11188	73	13250	47	14735	28
29	West Bengal	4967	91	4444	63	3948	83	2900	114	2135	48
30	A & N Islands	231	11	262	9	123	1	182	0	49	0
31	Chandigarh	424	1	766	21	1249	27	1179	7	958	18
32	D & N Haveli	90	2	32	0	48	6	7	2	16	4
33	Daman & Diu	184	7	65	0	77	2	31	0	39	0
34	Delhi	8290	131	6965	98	9145	87	10323	104	7321	133
35	Lakshadweep	5	0	16	0	12	0	10	0	0	0
36	Puducherry	447	10	299	3	520	4	416	7	220	1
Total		110125	574	138554	400	140861	435	145970	451	98086	283

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

Note :

1. 2014: Andhra Pradesh Excludes data of 10 districts of Telangana from July 2014.
2. NA stands for Not Available.
3. 2017: Data is different for different reference period

