

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

**LOK SABHA
UNSTARRED QUESTION NO. 1374
TO BE ANSWERED ON 22ND DECEMBER, 2017**

WATERBORNE DISEASES

**1374. SHRI JITENDRA CHAUDHURY:
SHRI KIRTI AZAD:**

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

- (a) whether a large number of people suffer from waterborne diseases in the country every year;
- (b) if so, the details thereof along with the reasons therefor;
- (c) the number of people died due to such diseases during each of the last three years and the current year, State/UT-wise; and
- (d) the corrective measures taken by the Government in this regard?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(SMT. ANUPRIYA PATEL)**

(a) to (c): Consumption of contaminated drinking water can cause diseases such as Cholera, Acute Diarrhoeal Diseases, Enteric Fever (Typhoid) & Viral Hepatitis (A & E) etc. As per data reported by Central Bureau of Health Intelligence (CBHI), State/UT-wise cases and deaths due to these diseases during the last three years and current year are given at Annexure.

(d): Health is a State subject and the responsibility for providing healthcare facilities to patients primarily lies with the respective State Government. However, Ministry of Health and Family Welfare provides financial and technical assistance to State/UT Government under 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 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. Funds are released under IDSP to all the States as grant-in-aid to undertake diseases surveillance and outbreak response activities.

Further, provision of safe drinking water is the main strategy to reduce the number of water-born 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

State-wise Cases & Deaths Due to Cholera in India 2014 – 2017

Sl No	State / U.T.	2014		2015		2016 (Prov.)		2017(Prov.)		Ref. Period from Jan. 2017 upto
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	
1	Andhra Pradesh	0	0	0	0	0	0	78	0	Sep. 17
2	Arunachal Pradesh	0	0	0	0	9	0	0	0	Aug.17
3	Assam	0	0	0	0	0	0	0	0	Sep. 17
4	Bihar	0	0	0	0	0	0	0	0	Sep. 17
5	Chhattisgarh	20	0	7	0	55	0	0	0	Sep. 17
6	Goa	0	0	0	0	0	0	7	0	Apr. 17
7	Gujarat	158	0	52	0	88	0	78	0	Sep. 17
8	Haryana	7	0	0	0	0	0	22	0	Sep. 17
9	Himachal Pradesh	0	0	0	0	0	0	0	0	Sep. 17
10	J & K	0	0	0	0	0	0	0	0	Sep. 17
11	Jharkhand	0	0	36	0	5	0	31	0	Sep. 17
12	Karnataka	32	0	14	2	29	1	15	0	Sep. 17
13	Kerala	3	0	0	0	7	0	1	1	Sep. 17
14	Madhya Pradesh	17	0	104	0	94	1	0	0	Sep. 17
15	Maharashtra	252	2	213	1	107	0	16	0	Sep. 17 exc July
16	Manipur	0	0	0	0	0	0	0	0	Sep. 17
17	Meghalaya	1	1	0	0	0	0	0	0	Aug. 17
18	Mizoram	0	0	26	0	17	0	5	0	Sep. 17 Exc April
19	Nagaland	0	0	0	0	6	0	0	0	Sep. 17
20	Odisha	0	0	2	0	0	0	0	0	Sep. 17
21	Punjab	0	0	0	0	0	0	0	0	Aug. 17
22	Rajasthan	56	0	3	0	2	0	4	0	Sep. 17
23	Sikkim	0	0	0	0	0	0	0	0	Sep. 17
24	Tamil Nadu	14	0	15	0	8	0	6	0	Sep. 17
25	Telangana	NA	NA	0	0	0	0	8	0	Sep. 17
26	Tripura	0	0	0	0	0	0	0	0	Sep. 17
27	Uttarakhand	0	0	0	0	0	0	0	0	Aug.17
28	Uttar Pradesh	0	0	47	0	4	0	43	0	Sep. 17 Exc June
29	West Bengal	173	0	155	0	157	0	2	0	Sep. 17
30	A & N Islands	0	0	0	0	0	0	0	0	Aug.17
31	Chandigarh	15	0	133	0	10	0	8	0	Sep. 17
32	D & N Haveli	28	1	14	1	15	1	0	0	Sep. 17
33	Daman & Diu	0	0	0	0	0	0	0	0	Aug.17
34	Delhi	65	1	91	0	228	0	61	2	Sep. 17
35	Lakshadweep	0	0	0	0	0	0	0	0	May.17
36	Puducherry	3	0	1	0	0	0	0	0	Sep. 17
Total		844	5	913	4	841	3	385	3	

Source: National Health Profile brought out by CBHI, Dte.GHS

Note :

1. 2014: Andhra Pradesh Excludes data of 10 districts of Telangana from July 2014.
2. NA stands for Not Available.

State-wise Cases and Deaths due to Acute Diarrhoeal Diseases reported during 2014 – 2017										
Sl. No.	State / U.T.	2014		2015		2016 (Prov.)		2017 (Prov.)		Ref. Period from Jan. 2017 upto
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	
1	Andhra Pradesh	1332145	10	1122740	5	1194005	11	651882	3	Sep. 17
2	Arunachal Pradesh	12657	5	10834	4	11715	2	4826	1	Aug.17
3	Assam	83373	73	128392	121	88736	282	117031	161	Sep. 17
4	Bihar	550038	24	455125	36	392224	8	293540	14	Sep. 17
5	Chhattisgarh	115561	32	132278	13	157064	33	135902	17	Sep. 17
6	Goa	16097	4	13204	1	14245	4	7271	5	Apr. 17
7	Gujarat	504857	3	567123	3	641451	0	516186	0	Sep. 17
8	Haryana	197898	8	190390	4	224780	14	186750	11	Sep. 17
9	Himachal Pradesh	350459	52	334168	41	310789	56	247993	21	Sep. 17
10	J & K	515013	0	472843	2	534341	0	410190	3	Sep. 17
11	Jharkhand	81451	17	81934	0	93547	0	63487	0	Sep. 17
12	Karnataka	810781	12	832356	13	930369	4	660193	15	Sep. 17
13	Kerala	402106	9	428374	2	476686	15	330376	6	Sep. 17
14	Madhya Pradesh	768021	112	740690	74	740236	122	457892	75	Sep. 17
15	Maharashtra	664014	4	877638	27	1051445	52	442419	3	Sep. 17
16	Manipur	29954	32	29159	23	33193	21	23942	14	Sep. 17
17	Meghalaya	197024	29	167691	32	165404	29	83466	3	Aug. 17
18	Mizoram	14201	10	14215	11	13602	12	9414	5	Sep. 17
19	Nagaland	22301	0	15511	0	15062	0	9573	3	Sep. 17
20	Odisha	767575	190	782151	139	775824	103	444650	43	Sep. 17
21	Punjab	170438	22	179211	37	195281	44	137303	16	Aug. 17
22	Rajasthan	676832	17	810518	13	897209	7	660644	1	Sep. 17
23	Sikkim	39983	2	53295	3	46289	0	28115	0	Sep. 17
24	Tamil Nadu	250264	14	308358	8	367815	9	317374	1	Sep. 17
25	Telangana	NA	NA	963573	20	871497	17	344653	1	Sep. 17
26	Tripura	80388	22	88064	5	95278	6	59852	5	Sep. 17
27	Uttarakhand	90428	14	108974	6	110942	7	73055	4	Aug.17
28	Uttar Pradesh	754582	301	814481	320	1066342	303	962459	250	Sep. 17
29	West Bengal	1896182	200	1798754	196	2045451	192	1296683	44	Sep. 17
30	A & N Islands	23947	2	22398	0	23547	0	9616	0	Aug.17
31	Chandigarh	39277	29	45284	90	49891	61	41833	37	Sep. 17
32	D & N Haveli	63337	0	51195	4	43280	12	30720	8	Sep. 17
33	Daman & Diu	12831	0	18169	2	13062	0	10612	0	Aug.17
34	Delhi	120618	77	157445	96	135907	109	86981	63	Sep. 17
35	Lakshadweep	6750	0	4472	0	4387	0	2090	0	May.17
36	Puducherry	87248	11	92599	2	92379	5	71599	7	Sep. 17
Total		11748631	1337	12913606	1353	13923275	1540	9230572	840	

Source: National Health Profile brought out by CBHI, Dte.GHS

Note :

1. 2014: Andhra Pradesh Excludes data of 10 districts of Telangana from July 2014.
2. NA stands for Not Available.

State-wise Cases and Deaths due to Enteric Fever (Typhoid) reported during 2014– 2017

Sl. No.	State / U.T.	2014		2015		2016 (Prov.)		2017 (Prov.)		Ref. Period from Jan. 2017 upto
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	
1	Andhra Pradesh	186446	5	146385	0	170249	0	57490	1	Sep. 17
2	Arunachal Pradesh	4512	3	4476	10	4574	1	551	0	Aug.17
3	Assam	5328	29	11333	9	19328	0	10970	68	Sep. 17
4	Bihar	283679	4	265469	1	204366	2	174787	2	Sep. 17
5	Chhattisgarh	32617	1	47970	1	74632	8	52111	3	Sep. 17
6	Goa	573	0	1603	1	724	0	118	0	Apr. 17
7	Gujarat	29505	0	35362	1	45970	0	33314	0	Sep. 17
8	Haryana	29990	1	31965	0	36442	0	30605	0	Sep. 17
9	Himachal Pradesh	48786	6	40639	6	38093	7	31925	5	Sep. 17
10	J & K	57537	1	52359	0	46904	0	34971	0	Sep. 17
11	Jharkhand	36663	7	28330	4	41731	0	25886	0	Sep. 17
12	Karnataka	92959	1	85837	1	97493	1	97406	3	Sep. 17
13	Kerala	2269	0	2862	0	2038	0	1677	0	Sep. 17
14	Madhya Pradesh	155190	25	125737	8	129998	21	68182	4	Sep. 17
15	Maharashtra	102299	0	130809	0	137617	0	53936	0	Sep. 17
16	Manipur	10636	10	5422	0	4942	2	2539	0	Sep. 17
17	Meghalaya	10395	8	13459	0	14128	0	4010	0	Aug. 17
18	Mizoram	2758	4	2804	0	3085	3	1818	0	Sep. 17
19	Nagaland	11604	0	7977	0	8267	0	5759	6	Sep. 17
20	Odisha	90363	39	90895	45	73330	18	34539	9	Sep. 17
21	Punjab	34651	1	34867	3	37896	3	27247	1	Aug. 17
22	Rajasthan	83540	4	79244	0	116470	0	46486	0	Sep. 17
23	Sikkim	716	0	453	2	474	0	65	0	Sep. 17
24	Tamil Nadu	29937	0	40579	0	33853	0	34831	0	Sep. 17
25	Telangana	NA	NA	163747	0	133838	2	33723	0	Sep. 17
26	Tripura	10553	0	4596	1	5398	0	1856	4	Sep. 17
27	Uttarakhand	28939	14	34120	10	33904	4	21237	3	Aug.17
28	Uttar Pradesh	225829	203	288140	221	495698	313	429348	162	Sep. 17
29	West Bengal	90086	42	112262	24	161264	22	148764	5	Sep. 17
30	A & N Islands	881	0	870	0	1127	1	508	0	Aug.17
31	Chandigarh	6021	0	12447	88	12237	48	9361	1	Sep. 17
32	D & N Haveli	2439	0	1406	0	4420	1	5448	0	Sep. 17
33	Daman & Diu	167	0	165	0	197	0	184	0	Aug.17
34	Delhi	27339	14	30698	16	30015	55	10231	9	Sep. 17
35	Lakshadweep	3	0	77	0	50	0	91	0	May.17
36	Puducherry	1477	3	2049	0	1943	0	1076	0	Sep. 17
Total		1736687	425	1937413	452	2222695	512	1493050	286	

Source: National Health Profile brought out by CBHI, Dte.GHS

Note :

1. 2014: Andhra Pradesh Excludes data of 10 districts of Telangana from July 2014.
2. NA stands for Not Available.

State-wise Cases and Deaths due to Viral Hepatitis (All Causes) reported during 2014 – 2017										
Sl. No.	State / U.T.	2014		2015		2016 (Prov.)		2017 (Prov.)		Ref. Period from Jan. 2017 upto
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	
1	Andhra Pradesh	3716	1	3358	12	2662	1	679	1	Sep. 17
2	Arunachal Pradesh	378	6	292	1	271	4	49	1	Aug.17
3	Assam	2033	13	809	9	2688	14	988	0	Sep. 17
4	Bihar	20670	3	26729	2	28578	0	14431	0	Sep. 17
5	Chhattisgarh	548	4	532	6	547	15	218	2	Sep. 17
6	Goa	182	0	162	0	121	0	47	3	Apr. 17
7	Gujarat	4808	7	3736	0	3573	2	2673	0	Sep. 17
8	Haryana	1934	13	5184	3	2274	0	4586	1	Aug. 17
9	Himachal Pradesh	2808	9	1739	1	2716	18	620	2	Sep. 17
10	J & K	5110	0	4028	0	3581	0	4351	0	Sep. 17
11	Jharkhand	1052	1	1258	1	1406	0	1427	4	Sep. 17
12	Karnataka	6402	8	6026	21	6013	17	3555	4	Sep. 17
13	Kerala	5567	4	3965	7	5327	18	3465	6	Sep. 17
14	Madhya Pradesh	16145	18	14030	25	12158	22	8728	6	Sep. 17
15	Maharashtra	6753	13	9738	10	12156	6	4645	1	Sep. 17 Exc May
16	Manipur	443	0	88	0	182	1	87	0	Sep. 17 Exc April
17	Meghalaya	643	0	299	0	236	2	131	0	Aug. 17
18	Mizoram	194	0	209	4	276	1	142	1	Sep. 17
19	Nagaland	113	0	76	0	86	0	17	0	Sep. 17
20	Odisha	5069	39	5146	24	3481	19	1940	7	Sep. 17
21	Punjab	4525	4	9330	8	8833	7	7001	2	July. 17
22	Rajasthan	9719	3	3247	0	2471	1	3806	0	Sep. 17
23	Sikkim	556	0	1344	0	800	0	273	0	Sep. 17
24	Tamil Nadu	880	0	1066	1	715	0	534	1	Sep. 17
25	Telangana	NA	NA	1735	1	2175	0	82	0	Sep. 17
26	Tripura	177	1	183	1	363	4	74	0	Sep. 17
27	Uttarakhand	9243	9	10242	15	10930	16	8064	9	Aug.17
28	Uttar Pradesh	16037	50	11188	73	12530	47	14735	28	Sep. 17
29	West Bengal	4444	63	3948	83	2898	115	2135	48	Sep. 17
30	A & N Islands	262	9	123	1	177	0	49	0	Aug.17
31	Chandigarh	766	21	1249	27	1179	7	958	18	Sep. 17
32	D & N Haveli	32	0	48	6	7	2	16	4	Sep. 17
33	Daman & Diu	65	0	77	2	31	0	39	0	Aug.17
34	Delhi	6965	98	9145	87	10281	100	7321	133	Sep. 17
35	Lakshadweep	16	0	12	0	10	0	0	0	May.17
36	Puducherry	299	3	520	4	416	7	220	1	Sep. 17
Total		138554	400	140861	435	142148	446	98086	283	

Source: National Health Profile brought out by CBHI, Dte.GHS

Note :

1. 2014: Andhra Pradesh Excludes data of 10 districts of Telangana from July 2014.

2. NA stands for Not Available.