

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

**LOK SABHA
UNSTARRED QUESTION NO. 243
TO BE ANSWERED ON 3RD FEBRUARY, 2017**

WATER BORNE DISEASES

243. SHRI MANOJ TIWARI:

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

- (a) the details of the cases of water borne diseases such as cholera, diarrhea and typhoid etc. during the last three years, State/UT-wise;
- (b) the details of steps taken to prevent the spread of the such diseases; and
- (c) the other measures taken in this regard?

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

(a): Diseases such as Cholera, Acute Diarrhoeal Diseases (Dysentery and Diarrhea), Enteric Fever (Typhoid) and Viral Hepatitis A & E are caused by consumption of contaminated drinking water. State/UT wise details of number of cases reported due to these diseases during 2014-16 as per data compiled by the Central Bureau of Health Intelligence (CBHI) are indicated in **Annexure**.

(b) & (c): Provision of safe drinking water and health services falls within the remit of the State/UT Governments. However, the Government of India has taken steps both for facilitating availability of safe drinking water as also for ensuring effective surveillance of outbreaks of such diseases and their prevention and management.

As informed by the Ministry of Drinking Water & Sanitation, all States have been informed to commission surface water based piped water supply schemes in all habitations as a long term sustainable solution. However, since these projects have a long gestation period (say 3-5 years) and the rural people cannot be put to the risk of consuming contaminated water, all States have also been advised to install community water purification plants. This has been done with the objective of providing 8-10 litres of safe water per capita per day for drinking and cooking purposes only.

Besides, the Ministry of Health and Family Welfare, through its Integrated Disease Surveillance Programme, helps the States/UTs to effectively detect and respond to disease outbreaks including water borne diseases by providing additional manpower, strengthening of laboratories, Information & Communication Technology (ICT) equipment and funds. The National Centre for Disease Control (NCDC) also helps the States/UTs through surveillance, investigation, laboratory and other facilities. It also helps States in capacity building through training & developmental activities.

Health System Strengthening support being given to the State Governments under National Health Mission (NHM) also enhances capacity of the Health Institutions, up to the district level, to treat and manage water borne diseases.

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State-wise Cases Due to Cholera in India 2014 – 2016				
SI No	State / U.T.	2014	2015	2016 (Prov.)
1	Andhra Pradesh	0	0	0
2	Arunachal Pradesh	0	0	9
3	Assam	0	0	0
4	Bihar	0	0	0
5	Chhattisgarh	20	46	3
6	Goa	0	0	0
7	Gujarat	158	52	75
8	Haryana	7	0	0
9	Himachal Pradesh	0	0	0
10	J & K	0	0	0
11	Jharkhand	0	36	5
12	Karnataka	32	14	29
13	Kerala	3	0	7
14	Madhya Pradesh	17	104	50
15	Maharashtra	252	289	44
16	Manipur	0	0	0
17	Meghalaya	1	0	0
18	Mizoram	0	26	13
19	Nagaland	0	0	6
20	Odisha	0	0	0
21	Punjab	0	0	0
22	Rajasthan	56	54	2
23	Sikkim	0	0	0
24	Tamil Nadu	14	15	8
25	Telangana	NA	0	0
26	Tripura	0	0	0
27	Uttarakhand	0	0	0
28	Uttar Pradesh	0	47	106
29	West Bengal	173	131	119
30	A & N Islands	0	0	0
31	Chandigarh	15	5	10
32	D & N Haveli	28	10	15
33	Daman & Diu	0	0	0
34	Delhi	65	59	121
35	Lakshadweep	0	0	0
36	Puducherry	3	1	0
Total		844	889	622

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. 2015 & 2016: Data is different for different reference period.
3. NA stands for Not Available.

State-wise Cases due to Acute Diarrhoeal Diseases reported during 2014 – 2016				
Sl. No.	State / U.T.	2014	2015	2016 (Prov.)
1	Andhra Pradesh	1332145	1019612	823644
2	Arunachal Pradesh	12657	7062	10348
3	Assam	83373	128392	67008
4	Bihar	550038	438314	305918
5	Chhattisgarh	115561	131956	124409
6	Goa	16097	13204	9902
7	Gujarat	504857	567123	463429
8	Haryana	197898	187770	154780
9	Himachal Pradesh	350459	334168	216927
10	J & K	515013	472843	402986
11	Jharkhand	81451	71887	72431
12	Karnataka	810781	827942	731702
13	Kerala	402106	428837	221194
14	Madhya Pradesh	768021	728261	539756
15	Maharashtra	664014	822737	768991
16	Manipur	29954	29159	26921
17	Meghalaya	197024	75641	58328
18	Mizoram	14201	14215	11546
19	Nagaland	22301	11050	13005
20	Odisha	767575	692484	584501
21	Punjab	170438	179211	151579
22	Rajasthan	676832	767794	624967
23	Sikkim	39983	25283	31599
24	Tamil Nadu	250264	310734	273887
25	Telangana	NA	963573	700417
26	Tripura	80388	70300	74017
27	Uttarakhand	90428	108974	85452
28	Uttar Pradesh	754582	774832	682876
29	West Bengal	1896182	1663793	1588658
30	A & N Islands	23947	20841	16434
31	Chandigarh	39277	45284	34354
32	D & N Haveli	63337	50907	33118
33	Daman & Diu	12831	13261	9082
34	Delhi	120618	148734	103750
35	Lakshadweep	6750	4029	3129
36	Puducherry	87248	83172	74562
Total		11748631	12233379	10095607

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.
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State-wise Cases due to Enteric Fever (Typhoid) reported during 2014– 2016				
Sl. No.	State / U.T.	2014	2015	2016 (Prov.)
1	Andhra Pradesh	186446	131657	103802
2	Arunachal Pradesh	4512	3563	4355
3	Assam	5328	10049	13539
4	Bihar	283679	251818	158793
5	Chhattisgarh	32617	47838	54369
6	Goa	573	1603	607
7	Gujarat	29505	35362	31540
8	Haryana	29990	31559	22845
9	Himachal Pradesh	48786	40630	25123
10	J & K	57537	52359	35297
11	Jharkhand	36663	26333	25912
12	Karnataka	92959	85376	69866
13	Kerala	2269	2860	1328
14	Madhya Pradesh	155190	124244	82879
15	Maharashtra	102299	128839	100894
16	Manipur	10636	5422	3881
17	Meghalaya	10395	3665	9626
18	Mizoram	2758	2804	2201
19	Nagaland	11604	5701	7247
20	Odisha	90363	80658	53160
21	Punjab	34651	34867	28252
22	Rajasthan	83540	68323	77875
23	Sikkim	716	174	411
24	Tamil Nadu	29937	41125	21605
25	Telangana	NA	163747	99467
26	Tripura	10553	4022	3335
27	Uttarakhand	28939	32034	26908
28	Uttar Pradesh	225829	280746	312552
29	West Bengal	90086	107949	108868
30	A & N Islands	881	803	796
31	Chandigarh	6021	12447	6384
32	D & N Haveli	2439	1406	2738
33	Daman & Diu	167	158	136
34	Delhi	27339	24069	20740
35	Lakshadweep	3	29	44
36	Puducherry	1477	1738	1484
Total		1736687	1845977	1518859

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. 2015 & 2016 : Data is different for different reference period.
3. NA stands for Not Available.

State-wise Cases due to Viral Hepatitis (All Causes) reported during 2014 – 2016				
Sl. No.	State / U.T.	2014	2015	2016 (Prov.)
1	Andhra Pradesh	3716	2531	1736
2	Arunachal Pradesh	378	267	237
3	Assam	2033	917	1858
4	Bihar	20670	25808	22308
5	Chhattisgarh	548	532	423
6	Goa	182	156	104
7	Gujarat	4808	3736	2598
8	Haryana	1934	5020	3612
9	HP	2808	1739	2350
10	J & K	5110	4028	2974
11	Jharkhand	1052	1230	1088
12	Karnataka	6402	6478	4149
13	Kerala	5567	3894	3929
14	Madhya Pradesh	16145	12938	8580
15	Maharashtra	6753	8386	7774
16	Manipur	443	88	116
17	Meghalaya	643	253	73
18	Mizoram	194	138	216
19	Nagaland	113	57	84
20	Odisha	5069	4309	2262
21	Punjab	4525	9330	5906
22	Rajasthan	9719	3305	1468
23	Sikkim	556	43	384
24	Tamil Nadu	880	1066	510
25	Telangana	NA	1735	2183
26	Tripura	177	130	141
27	Uttarakhand	9243	10242	7725
28	Uttar Pradesh	16037	11088	8898
29	West Bengal	4444	3865	2121
30	A & N Islands	262	80	102
31	Chandigarh	766	1249	793
32	D & N Haveli	32	48	3
33	Daman & Diu	65	64	20
34	Delhi	6965	8362	6081
35	Lakshadweep	16	10	6
36	Puducherry	299	503	350
Total		138554	133625	103162

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.
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