

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

**LOK SABHA
UNSTARRED QUESTION NO. 718
TO BE ANSWERED ON 26th JULY, 2024**

CASES OF INFECTIOUS DISEASE

718: PROF. SOUGATA RAY

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

- (a) whether infectious diseases like Tuberculosis, Typhoid, Dengue, Malaria and Pneumonia pose significant challenges to the healthcare system of the country and if so, the details thereof;
- (b) the number of death reported due to infectious diseases in the country during the these last five years State/UT-wise; and
- (c) the details of the efforts to improve access to Healthcare system and to take preventive measures, emphasizing the need for continued disease surveillance and vaccination programs;
- (d) whether the Government has any concrete mechanism to ensure free and fair treatment of these infections diseases to all Indians, especially people below poverty line in the country and if so, the details thereof?

ANSWER

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

(a) and (b) Yes Sir. Infectious diseases like Tuberculosis, Enteric Fever (Typhoid), Dengue, Malaria and Pneumonia pose challenges to the healthcare system of the country. Challenges in addressing Tuberculosis include poor health seeking behaviour of the population, the presence of latent infection in the community, under-nutrition and social determinants beyond health like poverty, living conditions, etc. Though, malaria is seasonal but the transmission is throughout the year with increase in post-monsoon period. Influence of social, demographic and climate change have resulted in intensification, extension of transmission seasons and geographical spread of Dengue. There is no vaccine available for Malaria and Dengue, which makes disease control a challenge for public health. For Enteric Fever (Typhoid), the challenges include community sanitation, personal hygiene, poor dietary habits, etc. Pneumonia being a respiratory infection, air pollution and density of population pose a challenge.

The details of deaths due to Tuberculosis reported in last five years and current year is placed as **Annexure-I**. The State/UT-wise number of deaths due to Malaria & Dengue during last five years is placed as **Annexure II and III**. The State/UT-wise number of deaths due to Enteric Fever (Typhoid) and Pneumonia infection for the year 2019-2022, is placed at **Annexure-IV and Annexure-V** respectively.

(c) and (d) To improve access to healthcare system to ensure free diagnosis and treatment; and to take preventive measures, emphasizing on continued disease surveillance and vaccination wherever applicable, the government implements various national programmes under the umbrella of the National Health Mission (NHM). For Tuberculosis, the government implements National TB Elimination Programme (NTEP) through which free screening, diagnosis and treatment is provided to all TB patients in public health facilities and identified private healthcare facilities. For surveillance of Dengue, Malaria and Typhoid, Integrated Disease Surveillance Program (IDSP) is implemented under National Health Mission that does the disease surveillance in the country. Malaria control and prevention services are part of general health care system where services are provided for early diagnosis and radical treatment, Case-based surveillance and rapid response, integrated vector management (IVM) through indoor residual spray (IRS), long-lasting insecticidal nets (LLINs) / insecticide treated bed nets (ITNs) and larval source management (LSM) are implemented. For surveillance and free diagnosis of Dengue, Sentinel Surveillance Hospitals (SSHs) has been increased from 110 in 2007 to 848 in 2024 (till June) and 17 Apex Reference Laboratories (ARLs) with advance diagnostic facility have been identified across the country for detection of cases in early stage, to implement public health measures and to prevent further spread. Malaria diagnostics and drugs have been made available free of cost in all the health facilities across the country. Across the country, 574 Sentinel Site Hospitals are available for managing the severe malaria cases.

**Annexure referred to the reply to parts (a) and (b) of Lok Sabha Unstarred Question
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Annexure-I

State-wise TB deaths* reported in the last five years and current year (2019 to 2024)

S. NO	State/UT	2019	2020	2021	2022	2023	2024 (Jan-June)
1.	Andaman & Nicobar	12	25	16	13	14	2
2.	Andhra Pradesh	3636	3585	2490	2223	1484	825
3.	Arunachal Pradesh	59	64	78	73	64	44
4.	Assam	1562	1840	1422	1649	1750	941
5.	Bihar	2577	2975	3341	4881	5158	2689
6.	Chandigarh	94	114	129	117	149	71
7.	Chhattisgarh	1403	1603	1380	1846	2096	982
8.	Dadra and Nagar Haveli and Daman and Diu	29	25	17	30	23	0
9.	Delhi	1367	2111	2008	2297	1944	925
10.	Goa	71	72	89	175	171	67
11.	Gujarat	6436	6870	5472	6846	5976	2784
12.	Haryana	2284	2809	2638	3065	2980	1577
13.	Himachal Pradesh	661	837	723	891	923	424
14.	Jammu & Kashmir	278	295	309	417	435	195
15.	Jharkhand	1163	1314	1568	1826	1560	786
16.	Karnataka	4868	5605	4490	5236	5115	2278
17.	Kerala	1163	1828	1668	1779	1950	943
18.	Ladakh	NA	23	19	22	16	4
19.	Lakshadweep	0	2	0	1	0	0
20.	Madhya Pradesh	4316	5485	4795	6643	6557	3243
21.	Maharashtra	7114	8785	6988	7809	8559	3852
22.	Manipur	72	74	55	73	85	36
23.	Meghalaya	145	186	185	180	197	119
24.	Mizoram	53	48	50	72	85	47
25.	Nagaland	95	108	97	113	96	57
26.	Orissa	2522	2738	2506	2973	2646	1305
27.	Pondicherry	92	116	80	74	115	56
28.	Punjab	2355	2824	2667	2619	2648	1259
29.	Rajasthan	4178	4767	4616	4852	4571	2147
30.	Sikkim	32	45	45	47	43	16
31.	Tamil Nadu	4083	5365	4050	4966	5234	2573
32.	Telangana	1850	2392	1876	1759	1659	664
33.	Tripura	127	173	159	167	182	80
34.	Uttar Pradesh	13424	18409	14913	16500	15178	9114
35.	Uttarakhand	690	894	743	863	926	520
36.	West Bengal	4571	5417	4320	4963	4642	2665

* Year in column heading reflects treatment outcome of patients notified in previous year.

Source: Ni-kshay , NTEP,MoHFW

**Annexure referred to the reply to parts (a) and (b) of Lok Sabha Unstarred Question
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Annexure-II

State/UTs wise Malaria deaths in the Country during last five years (2019- 2023)

S. No.	States/UTs	2019	2020	2021	2022	2023
1	A & N Islands	0	2	0	0	0
2	Andhra Pradesh	0	0	0	0	0
3	Arunachal Pradesh	0	0	0	0	0
4	Assam	4	2	0	0	0
5	Bihar	0	0	0	0	0
6	Chandigarh	0	0	0	0	0
7	Chhattisgarh	31	34	38	20	15
8	Dadar Nagar Haveli and Daman & Diu	0	0	0	0	1
9	Delhi	0	1	0	1	1
10	Goa	0	0	0	0	0
11	Gujarat	1	1	0	0	1
12	Haryana	0	0	0	0	0
13	Himachal Pradesh	0	0	0	0	0
14	Jammu & Kashmir	0	0	0	0	0
15	Jharkhand	2	8	0	4	2
16	Karnataka	0	1	2	0	2
17	Kerala	0	1	1	0	7
18	Ladakh				0	1
19	Lakshadweep	0	0	0	0	0
20	Madhya Pradesh	3	1	2	0	0
21	Maharashtra	7	12	14	26	19
22	Manipur	0	2	0	0	0
23	Meghalaya	4	4	3	8	14
24	Mizoram	8	6	10	10	13
25	Nagaland	0	0	0	0	0
26	Orissa	9	9	13	5	4
27	Puducherry	0	0	0	0	0
28	Punjab	0	0	0	2	0
29	Rajasthan	1	0	0	1	0
30	Sikkim	0	0	0	0	0
31	Tamil Nadu	0	0	0	0	0
32	Telangana	0	0	0	0	0
33	Tripura	1	2	4	3	1
34	Uttar Pradesh	0	0	0	0	0
35	Uttarakhand	0	0	0	0	0
36	West Bengal	6	7	3	3	2

Source: NCVBDC, MoHFW

**Annexure referred to the reply to parts (a) and (b) of Lok Sabha Unstarred
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Annexure-III

State/UTs wise Dengue deaths in the Country during last five years (2019- 2023)

Sl. No.	State/UT	2019	2020	2021	2022	2023
1	Andhra Pradesh	0	0	0	0	0
2	Arunachal Pradesh	0	0	0	0	0
3	Assam	0	0	0	2	7
4	Bihar	0	2	2	32	74
5	Chhattisgarh	0	0	0	10	0
6	Goa	0	0	0	1	3
7	Gujarat	17	2	14	7	7
8	Haryana	0	0	13	18	11
9	Himachal Pradesh	2	0	0	1	0
10	Jharkhand	0	0	1	0	4
11	Karnataka	13	0	7	9	11
12	Kerala	16	5	27	29	153
13	Madhya Pradesh	2	0	11	2	0
14	Meghalaya	0	0	0	0	0
15	Maharashtra	29	10	42	27	55
16	Manipur	0	0	0	4	0
17	Mizoram	0	0	0	5	2
18	Nagaland	0	0	0	0	2
19	Odisha	4	0	0	0	1
20	Punjab	14	22	55	41	39
21	Rajasthan	17	7	96	10	14
22	Sikkim	0	0	1	0	0
23	Tamil Nadu	5	0	8	8	12
24	Tripura	0	0	0	0	0
25	Telangana	7	0	0	0	1
26	Uttar Pradesh	26	6	29	33	36
27	Uttarakhand	8	1	2	0	17
28	West Bengal	27	10	7	30	4
29	Andaman & Nicobar Islands	0	0	0	3	0
30	Chandigarh	0	0	3	1	0
31	Delhi	0	0	23	9	19
32	Dadra & Nagar Haveli	2	0	0	0	0
	Daman & Diu	2	0	0	0	1
33	Jammu & Kashmir	0	0	4	18	10
34	Ladakh	0	0	0		
35	Lakshadweep	0	0	0	0	0
36	Puducherry	2	1	1	3	2

Source: NCVBDC, MoHFW

Annexure referred to the reply to parts (a) and (b) of Lok Sabha Unstarred Question No. 718 for answer on 26/07/2024

Annexure-IV

State/ UT wise Deaths due to Enteric Fever (Typhoid) Infection in India for 2019-2022

S. No.	State/UT	2019	2020	2021	2022
1	Andhra Pradesh	3	9	48	238
2	Arunachal Pradesh	0	0	0	0
3	Assam	0	0	0	0
4	Bihar	0	37	0	0
5	Chhattisgarh	4	0	4	2
6	Goa	0	0	0	0
7	Gujarat	0	17	0	0
8	Haryana	1	4	3	14
9	Himachal Pradesh	6	0	0	0
10	Jammu and Kashmir*	0	0	3	4
11	Jharkhand	0	4	10	0
12	Karnataka	0	0	6	0
13	Kerala	0	0	0	0
14	Madhya Pradesh	4	0	0	0
15	Maharashtra	0	0	0	0
16	Manipur	0	0	0	1
17	Meghalaya	0	22	0	1
18	Mizoram	0	0	0	0
19	Nagaland	0	0	0	0
20	Odisha	2	5	3	0
21	Punjab	1	0	0	3
22	Rajasthan	3	0	12	11
23	Sikkim	0	0	0	0
24	Tamil Nadu	0	10	26	0
25	Telangana	0	0	10	0
26	Tripura	2	0	0	1
27	Uttarakhand	1	0	0	0
28	Uttar Pradesh	50	0	73	53
29	West Bengal	14	9	NA	NA
30	Andaman and Nicobar Islands	0	0	0	0
31	Chandigarh	31	1	3	1
32	Dadra and Nagar Haveli	0	0	0	0
33	Daman and Diu	0	0	0	0
34	Delhi	20	3	0	0
35	Lakshadweep	0	0	0	0
36	Puducherry	5	5	0	0

*Includes deaths reported from Ladakh.

Source: National Health Profile (2021 and 2023) published by CBHI, MoHFW

Annexure referred to the reply to parts (a) and (b) of Lok Sabha Unstarred Question No. 718 for answer on 26/07/2024

Annexure-V

State/ UT wise Deaths due to Pneumonia Infection in India for 2019-2022

S. No.	State/UT	2019	2020	2021	2022
1	Andhra Pradesh	451	392	6478	957
2	Arunachal Pradesh	0	0	0	0
3	Assam	59	21	4	21
4	Bihar	10	18	2	0
5	Chhattisgarh	56	86	207	22
6	Goa	87	34	0	40
7	Gujarat	2	2	0	0
8	Haryana	52	58	234	66
9	Himachal Pradesh	104	95	136	40
10	Jammu and Kashmir*	3	0	3	4
11	Jharkhand	0	0	0	0
12	Karnataka	307	814	1169	229
13	Kerala	54	72	40	10
14	Madhya Pradesh	28	0	0	0
15	Maharashtra	0	0	0	0
16	Manipur	1	0	16	0
17	Meghalaya	37	34	112	49
18	Mizoram	4	5	22	16
19	Nagaland	0	0	0	0
20	Odisha	251	103	253	195
21	Punjab	13	9	9	12
22	Rajasthan	132	369	328	238
23	Sikkim	0	0	7	0
24	Tamil Nadu	662	550	3701	544
25	Telangana	1	9	47	0
26	Tripura	23	10	17	10
27	Uttarakhand	8	1	0	0
28	Uttar Pradesh	76	69	66	30
29	West Bengal	821	584	NA	NA
30	Andaman and Nicobar Islands	19	19	74	47
31	Chandigarh	231	165	224	159
32	Dadra and Nagar Haveli	15	0	0	0
33	Daman and Diu	0	1	0	0
34	Delhi	566	834	0	0
35	Lakshadweep	0	0	10	3
36	Puducherry	84	270	0	0

*Includes deaths reported from Ladakh.

Source: National Health Profile (2021 and 2023) published by CBHI, MoHFW