

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

**LOK SABHA
UNSTARRED QUESTION NO. 638
TO BE ANSWERED ON 18TH NOVEMBER, 2016**

CASES OF TB AND MDRTB

**638. SHRI R. DHRUVA NARAYANA:
ADV. M. UDHAYAKUMAR:
SHRI ANURAG SINGH THAKUR:
SHRI RAYAPATI SAMBASIVA RAO:
SHRI B. SENGUTTUVAN:
SHRIMATI SAKUNTALA LAGURI:**

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

- (a) the number of cases of Tuberculosis (TB) and Multi-Drug Resistant TB (MDRTB) and attributable deaths reported in the country during each of the last three years and the current year, State/UT-wise;
- (b) the steps taken/proposed to be taken by the Government for identification, detection and treatment of TB/MDRTB/ XDR-TB cases along with the funds allocated and utilised therefor during the said period, State/UT-wise;
- (c) whether the Government has received a donation of 300 doses of Bedaquiline medicines to treat TB patients, if so, the details thereof;
- (d) whether the Government has set certain eligibility criteria for Bedaquiline TB Drug, if so, the details thereof; and
- (e) the present status of TB research, vaccines, diagnostics and drugs?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(SHRI FAGGAN SINGH KULASTE)**

- (a): The details of the number of Tuberculosis (TB) and Multi-Drug Resistant TB (MDRTB) and attributable deaths reported in the country during the last three years and the current year, State/UT wise is annexed (Annexure-I,II,III,IV).
- (b): Under the Revised National Tuberculosis Control Programme (RNTCP) prevention and control of Tuberculosis/Multi Drug Resistant Tuberculosis is addressed in a comprehensive manner. The strategy is multi-pronged and includes, inter alia, the following
- strengthening and improving quality of basic DOTS services including introducing daily regimen for drug sensitive Tuberculosis.
 - addressing TB HIV co-infection, other co-morbidities and MDR-TB
 - engaging with care providers both in the public and the private sector
 - targeted intervention in the vulnerable population and strengthening urban TB control

- integrating newer molecular diagnostics for TB in the health system for early diagnosis of MDR TB
- expansion of Programmatic Management of Drug Resistant Tuberculosis (PMDT) services and introduction of new drug Bedaquiline.
- aligning the Tuberculosis Units with Block Units under National Health Mission (NHM) for rationalizing the available resources and integration of TB services in the general health system
- leveraging of Information Communication Technology for TB notification and strengthening of monitoring.

The details of funds allocated and utilized during the said period are placed as Annexure-V.

(c): The Government has received a commitment for donation of 600 courses of Bedaquiline. Of these, 300 courses of Bedaquiline, have been received, till date. These drug courses are being administered to the respective patients of Delhi, Tamil Nadu, Assam, Mumbai and Gujarat in the following six institutes:

1. National Institute of Tuberculosis and Respiratory Diseases, New Delhi
2. Rajan Babu Institute of Pulmonary Tuberculosis, Delhi
3. Government Hospital for Thoracic Medicine, Tambaram, Chennai
4. Guwahati Medical college and Hospital, Guwahati
5. KEM Hospital, Mumbai
6. B.J. Medical College and Hospital, Ahmedabad

(d): Apart from applicable inclusion and exclusion criteria, the following are the eligibility criteria for Bedaquiline under RNTCP-

The drug is to be prescribed to adults aged above 18 Years belonging to the following sub-groups:

- Patients having pulmonary Multi Drug Resistant (MDR)/ Rifampicin resistant TB having documented resistance to any fluoroquinolone group of drugs
- Patients having pulmonary Multi Drug Resistant/ Rifampicin resistant TB having documented resistance to all second line injectable anti TB drugs
- Extensively Drug Resistant (XDR)TB with:- Resistance to all Fluoroquinolone group of drugs and all second line injectable anti TB drugs
 - Resistance to all Fluoroquinolone group of drugs and any second line injectable anti TB drugs
 - Resistance to all second line injectable anti TB drugs and any Fluoroquinolone group of drugs
 - Resistance to any second line injectable anti TB drugs and any Fluoroquinolone group of drugs
 - Treatment failures of MDR-TB plus Fluoroquinolones/Second Line Injectable resistance
 - Treatment Failures of XDR-TB

(e): Indian Council of Medical Research (ICMR) in collaboration with Department of Biotechnology (DBT) and Ministry of Health & Family Welfare has initiated validation of simple, affordable indigenous Indian technologies for diagnosis of TB and MDR-TB. Clinical trials on shortening the treatment duration and for testing regimen for drug resistant TB and interaction between diabetes and TB are ongoing. Animal studies have been undertaken to find

out the efficacy of the TB vaccine candidates. Several new TB vaccine candidates are in clinical phase-I/II and some are in advanced stages of evaluation.

Annexure-I

S No	State/UTs	2013	2014	2015	Upto June
-----------------	------------------	-------------	-------------	-------------	----------------------

State/UT wise TB cases registered in the last three years and current year

					2016
1	Andaman & Nicobar	738	756	584	260
2	Andhra Pradesh	103707	88638	61758	32854
3	Arunachal Pradesh	2500	2691	2748	1379
4	Assam	35624	38317	38014	19015
5	Bihar	67020	67991	64928	34191
6	Chandigarh	2890	2869	3143	1656
7	Chhattisgarh	25889	28864	29950	15807
8	Dadar & Nagar Haveli	411	450	487	278
9	Daman & Diu	742	279	284	187
10	Delhi	50727	54037	55260	33190
11	Goa	1778	1660	1599	813
12	Gujarat	74086	77395	82585	45014
13	Haryana	38104	39498	40913	22312
14	Himachal Pradesh	13691	14441	14333	7622
15	Jammu & Kashmir	11038	10243	9873	5469
16	Jharkhand	34941	35907	34792	18829
17	Karnataka	61446	61328	59932	31043
18	Kerala	24204	23439	22785	10929
19	Lakshadweep	23	27	40	24
20	Madhya Pradesh	92420	100034	103108	55032
21	Maharashtra	137237	135465	130874	63939
22	Manipur	2329	2198	1881	910
23	Meghalaya	5002	4944	4674	2215
24	Mizoram	2005	1993	2088	1140
25	Nagaland	3339	3298	3316	1757
26	Orissa	45269	45777	45814	24582
27	Pondicherry	1458	1409	1288	736
28	Punjab	37258	38152	38625	20952
29	Rajasthan	94698	94908	90296	47685
30	Sikkim	1637	1630	1400	822
31	Tamil Nadu	80407	84570	80543	41822
32	Telangana	-	18655	39498	20211
33	Tripura	2540	2507	7394	1223
34	Uttar Pradesh	256733	255364	246589	139550
35	Uttarakhand	13700	14429	14317	7637
36	West Bengal	90423	89819	87468	46283
	TOTAL	1416014	1443942	1423181	757368

State/UT wise TB deaths reported in the last three years and current year

State	2012	2013	2014	Upto June 2015
Andaman & Nicobar	34	18	38	12
Andhra Pradesh	5439	5169	3089	1407
Arunachal Pradesh	65	67	68	44
Assam	1648	1678	1759	863
Bihar	2125	2139	1914	994
Chandigarh	82	65	48	35
Chhatisgarh	1085	782	1350	767
D & N Haveli	12	15	18	7
Daman & Diu	7	8	9	6
Delhi	1241	1316	1281	702
Goa	75	76	52	18
Gujarat	3808	4094	4312	2349
Haryana	1649	1628	1709	900
Himachal Pradesh	521	518	537	141
Jammu & Kashmir	337	303	292	159
Jharkhand	1341	1332	1465	637
Karnataka	4542	4356	4348	2093
Kerala	1205	1158	1084	478
Lakshadweep	1	1	2	1
Madhya Pradesh	2966	3174	3574	1881
Maharashtra	7687	7716	7629	3494
Manipur	72	73	75	36
Meghalaya	213	202	190	112
Mizoram	79	77	87	56
Nagaland	91	201	77	32
Orissa	2405	2332	2451	1230
Puducherry	78	66	64	30
Punjab	1925	1678	1989	988
Rajasthan	3592	3599	3428	1882
Sikkim	82	47	222	17
Tamil Nadu	3865	4005	4095	1987
Telangana	-	-	2050	1008
Tripura	150	106	141	81
Uttar Pradesh	7866	7946	8736	5049
Uttarakhand	552	500	537	262
West Bengal	5047	5184	4506	2261
Total	61887	61629	63226	32019

Under RNTCP, TB Patient who died during the course of treatment regardless of cause is declared as 'Died'

#Treatment outcomes of patients registered as drug sensitive TB under RNTCP are reported 13-15 months after initiation of treatment, hence data upto 2015 has been provided upto March 2015.

Annexure III**MDR cases initiated on treatment under RNTCP (2013-2016)**

State	2013	2014	2015	2016 (till June)
Andaman & Nicobar	21	39	46	27
Andhra Pradesh	905	719	645	429
Arunachal Pradesh	172	206	171	127
Assam	388	360	424	164
Bihar	554	973	1320	840
Chandigarh	43	44	36	33
Chhattisgarh	125	141	183	93
Delhi	1278	1572	1561	920
Goa	42	37	43	22
Gujarat	1660	1971	1860	1186
Haryana	505	561	659	321
Himachal Pradesh	248	236	192	112
Jammu & Kashmir	130	97	97	55
Jharkhand	257	225	206	182
Karnataka	717	731	936	694
Kerala	220	198	179	98
Madhya Pradesh	814	1116	1276	596
Maharashtra	4687	5072	5878	3340
Manipur	56	38	35	33
Meghalaya	134	204	189	114
Mizoram	29	47	47	18
Nagaland	76	75	63	26
Orissa	203	244	262	122
Puducherry	18	28	13	10
Punjab	465	436	446	285
Rajasthan	1805	1663	1727	1011
Sikkim	226	242	203	141
Tamil Nadu	1287	1155	1031	599
Telangana	720	770	729	311
Tripura	10	14	16	9
Uttar Pradesh	1859	2798	4765	2962
Uttarakhand	177	281	303	123
West Bengal	1288	1798	1563	1085
Grand Total	21119	24091	27104	16088

Annexure IVMDR cases died and reported under RNTCP (2013-2015)

State	2010	2011	2012	2013
Andaman & Nicobar		0	2	9
Andhra Pradesh	17	47	169	221
Arunachal Pradesh		0	11	13
Assam		0	31	83
Bihar			25	125
Chandigarh		0	10	5
Chhattisgarh		0	5	29
Delhi	58	110	285	222
Goa		1	6	8
Gujarat	168	190	416	353
Haryana	16	20	34	145
Himachal Pradesh		13	18	47
Jammu & Kashmir		0	17	23
Jharkhand	0	7	25	43
Karnataka		15	19	195
Kerala	18	17	46	36
Madhya Pradesh		8	80	189
Maharashtra	49	102	775	965
Manipur		0	5	5
Meghalaya		0	18	22
Mizoram		0	6	4
Nagaland		0	6	10
Orissa	3	8	19	32
Puducherry		2	6	5
Punjab		0	49	110
Rajasthan	46	69	468	411
Sikkim		1	4	33
Tamil Nadu	38	38	171	295
Telangana	28	60	116	183
Tripura		1	1	9
Uttar Pradesh		14	28	462
Uttarakhand		4	19	23
West Bengal	42	38	139	216
Grand Total	483	765	3029	4531

Under RNTCP, MDR-TB Patients who died during the course of treatment regardless of cause is declared as 'Died'. Data is till 31st December 2013 (as treatment outcomes of drug resistant TB patients registered under RNTCP are reported 31-33 months after initiation of treatment), Data of Lakshadweep is reported along with Kerala, whereas Data of Daman, Diu and Dadra & Nagar Haweli is reported along with Gujarat.

Revised National TB Control Programme**State wise Allocation and Utilisation (cash and kind)***(Rs. In lakhs)*

Sl.No.	Name of the State / UT	2013-14		2014-15		2015-16		2016-17*	
		Allocation	Expenditure	Allocation	Expenditure	Allocation	Expenditure	Allocation	Expenditure
1	Andhra Pradesh	4907.34	3947.42	2861.96	2411.67	2200.34	2315.49	2194.68	1740.21
2	Andaman & Nicobar	87.15	75.23	87.15	69.8	90.90	90.9	90.90	69.06
3	Arunachal Pradesh	565.36	418.48	565.36	577.51	552.32	552.32	564.48	415.44
4	Assam	4303.74	1535.01	4303.74	2500.55	2527.13	2527.13	2776.33	1137.18
5	Bihar	4094.59	1013.72	4094.59	2089.95	2963.81	2464.15	2962.00	2253.07
6	Chandigarh	154.54	134.74	154.54	191.71	156.14	156.14	156.14	83.07
7	Chattisgarh	1440.60	912.66	1440.6	1620.95	1401.08	1152.24	1398.15	653.60
8	D & N Haveli	68.05	52.68	68.05	44.55	72.03	64.3	72.03	51.45
9	Daman & Diu	43.47	25.83	43.47	12.62	45.98	45.98	45.98	32.66
10	Delhi	1820.02	1426.7	1820.02	1844.34	1705.12	1705.12	1018.43	791.26
11	Goa	116.34	103.08	116.34	134.56	127.78	72.77	127.61	11.10
12	Gujarat	4857.52	5845.89	4857.52	3623.03	3298.04	3423.41	3282.10	2404.91
13	Haryana	1292.26	604.37	1292.26	1125.74	1207.93	1261.1	1204.96	953.15
14	Himachal Pradesh	581.22	548.08	581.22	819.6	837.57	852.38	833.82	534.46
15	Jammu & Kashmir	943.43	680.01	943.43	720.57	1038.26	829.1	1036.78	744.78
16	Jharkhand	1783.56	1001.41	1783.56	855.1	1512.16	1216.61	1511.23	61.80
17	Karnataka	3195.23	1789.59	3195.23	3084.58	3186.19	2011.15	3177.65	2255.14
18	Kerala	1440.91	1807.19	1440.91	1246.72	1395.33	1365.74	1393.01	1008.78
19	Lakshadweep	35.39	19.91	35.39	23.16	37.95	37.95	37.95	0.00
20	Madhya Pradesh	3081.84	2105.28	3081.84	2483.31	2880.71	3031.22	2878.14	2201.53
21	Maharashtra	6657.74	6708.83	6657.74	9688.05	8085.75	8438.54	8059.40	6483.16
22	Manipur	657.22	277.82	657.22	446.82	524.57	524.57	548.31	331.31
23	Meghalaya	550.67	288.08	550.67	685.85	427.62	427.62	453.95	278.94
24	Mizoram	414.39	304.09	414.39	386.57	392.75	392.75	402.29	271.08
25	Nagaland	596.41	253.26	596.41	377.66	460.49	460.49	477.38	310.26
26	Orissa	2141.81	1205.67	2141.81	2031.3	1991.54	1664.56	1986.79	925.65
27	Puducherry	183.56	177.96	183.56	148.63	187.88	204.88	110.57	85.00
28	Punjab	1207.19	1239.71	1207.19	1414.16	1273.22	1332.87	1270.01	985.60
29	Rajasthan	3653.38	2404.08	3653.38	2956.61	2792.23	2934.77	2781.23	2268.95
30	Sikkim	242.98	181.61	242.98	488.26	426.92	426.92	474.88	68.12
31	Tamilnadu	3131.84	2519.66	3131.84	3622.28	3367.31	3515.37	3353.00	1788.36
32	Tripura	583.71	184.02	583.71	138.76	290.20	290.2	300.38	124.50
33	Uttar Pradesh	7631.54	4982.92	7631.54	7856.69	7350.90	10455.95	7337.90	5557.34
34	Uttarakhand	661.14	537.47	661.14	826.36	651.62	672.4	650.44	507.49
35	West Bengal	3834.82	2685.07	3834.82	3191.68	3187.70	3383.41	3183.10	2464.18
36	Telangana			2045.38	1795.27	1672.53	1429.96	1667.00	298.14
	Total	66960.96	47997.53	66960.96	61534.97	60320.00	61730.46	59819.00	40150.73

*Expenditure in 2016-17 is till 15 November 2016.