



# HEALTH HUMAN RESOURCE

## CHAPTER FIVE

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An overview of trained and specialized medical, nursing and paramedical personnel in the country.

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## 5. HEALTH HUMAN RESOURCE

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## Human Resources in Health Sector

### Highlights

Human Resources for Health is the most important building block of public health. Availability of adequate number of human resources with suitable skill mix and their appropriate deployment at different levels of health care set-up are essential for providing effective health care services for the population.

In many developing countries, such as India, information on human resources in the health sector is incomplete and unreliable. This prevents effective workforce planning and management. National Health Profile aims to address this deficit by producing a more complete picture of India's health workforce.

Human Resource indicators provide an overview of availability of trained and specialized medical, nursing and paramedical personnel in the country. These also give an idea regarding regional distribution and disparities.

Human Resource indicators cover the details of allopathic doctors, dental surgeons, AYUSH doctors, nursing personnel and various paramedical health man-powers in the country.

- Number of registered allopathic doctors possessing recognized medical qualifications (under MCI Act) and registered with state medical council for the years 2016 and 2017 were 25,282 and 17,982 respectively. At present, average population served per government allopathic doctor is 11,039. (Table 5.1 and 5.3)
- There has been a marked improvement in the Dentist to population Ratio. Number of Dental Surgeon registered with Central/State Dental Councils of India up to 31.12.2017 were 2,51,207. (Table 5.2)
- India, with its kaleidoscopic variety and rich cultural heritage, is proud of some unique medicinal forms that look at health, disease and causes of disease in completely different ways. Best known as the AYUSH, its main focus is on holistic health and well-being of humans. Over the years with gaining popularity, there is a steady rise in total number of registered AYUSH Doctors in India from 7, 71,468 in 2016 to 773668 in 2017.(Table 5.4)
- AYUSH has maximum number of registered Ayurvedic doctors (55.44%), followed by registered Homeopathy Doctors (36.77%) in India. (Figure 5.4)
- There is an increase in the availability of Allopathic Medical Practitioners, Dental Surgeon and Nurses per lakh population over the years.
- Auxiliary Nurse Midwife (ANM) plays very crucial role in providing healthcare services pertaining to maternal and child health. They are having wider linkages with ASHA workers, Anganwadi workers of ICDS and other development sectors like education, water supply and sanitation. There are total of 8,41,279 ANMs serving in the country as on 31.12.2016. (Table 5.5)
- There are 19,80,536 Registered Nurses and Registered Midwives (RN & RM) and 56,367 Lady Health Visitors serving in the country as on 31.12.2016

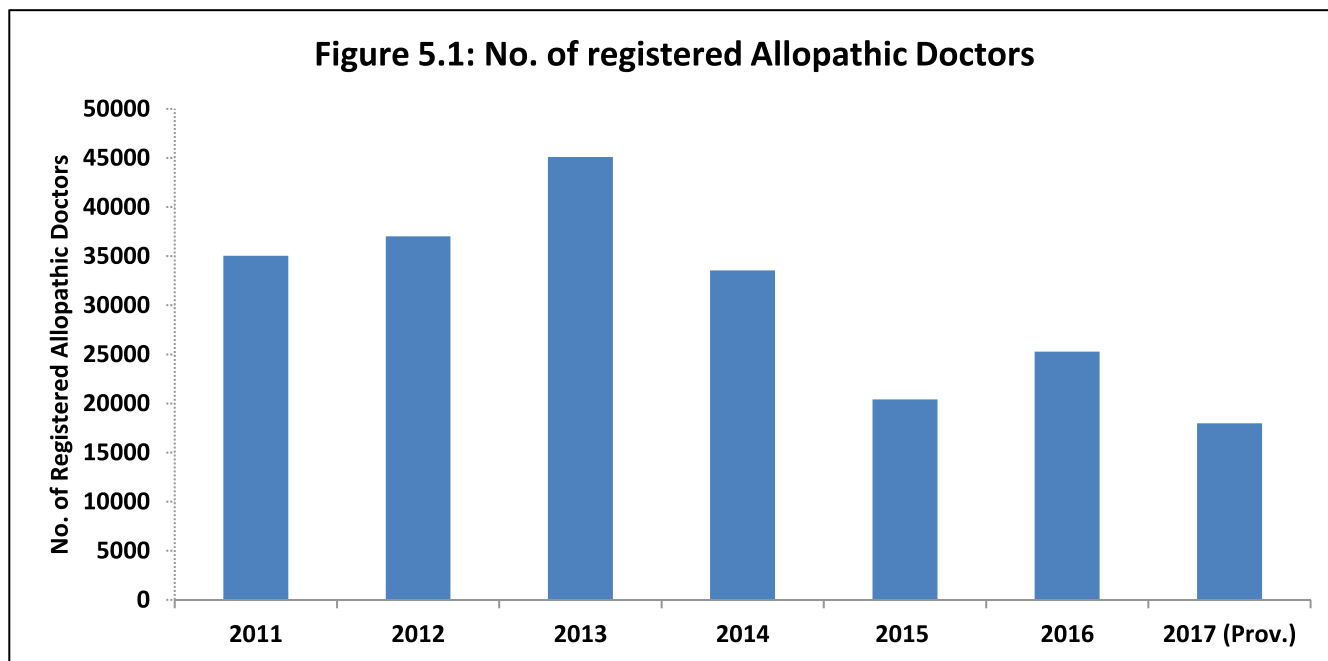
**5.1 States/UTs wise Number of Doctors Possessing Recognised Medical, Qualifications (Under I.M.C Act) Registered With State Medical Councils/Medical Council of India from the year upto 2010 to 2017.**

S. No.	State/UT	Upto 2010	2011	2012	2013	2014	2015	2016	2017 (Prov.)	Total up to 2017
1	Andhra Pradesh	66109	4370	4498	5737	5415	NR	NR	NR	86129
2	Arunachal Pradesh	334	80	12	55	29	108	145	77	840
3	Assam	19147	561	487	529	611	564	555	78	22532
4	Bihar	37368	969	464	429	813	NR	NR	NR	40043
5	Chhattisgarh	3224	882	595	556	812	370	145	331	6915
6	Delhi	6748	1006	946	1073	1713	419	2549	1722	16176
7	Goa	2828	119	136	132	NR	103	18	31	3367
8	Gujarat	47231	1795	2197	2153	NR	578	NR	NR	53954
9	Haryana	5356	361	0	NR	NR	NR	NR	NR	5717
10	Himachal Pradesh	913	310	459	296	276	363	232	NR	2849
11	Jammu & Kashmir	11360	635	471	473	67	495	437	388	14326
12	Jharkhand	3245	490	355	283	45	285	238	152	5093
13	Karnataka	87734	3727	4207	4772	833	NR	NR	3521	104794
14	Madhya Pradesh	26669	947	1338	1298	1409	1417	1269	NR	34347
15	Maharashtra	138303	3157	3433	3682	4938	NR	NR	NR	153513
17	MCI	37300	3730	4864	5603	1169	NR	NR	NR	52666
16	Nagaland	0	0	0	0	0	751	50	NR	801
18	Odisha	16786	460	380	719	2402	934	NR	NR	21681
19	Punjab	39291	1128	1083	1234	1270	676	NR	NR	44682
20	Rajasthan	28797	1146	1442	1468	1963	2040	1821	1882	40559
21	Sikkim	608	69	74	73	NR	69	NR	NR	893
22	Tamil Nadu	86822	3476	4182	9218	5064	5088	7997	4552	126399
23	Kerala	40007	2008	1703	1482	2500	3363	3355	833	55251
24	Uttar Pradesh	58168	2081	2247	2253	594	840	3025	2272	71480
25	Uttarakhand	3394	307	527	169	660	748	600	655	7060
26	West Bengal	59264	1230	917	1419	953	1211	492	1488	66974
27	Telangana	0	0	0	0	0	0	2354	0	2354
	<b>Total</b>	<b>827006</b>	<b>35044</b>	<b>37017</b>	<b>45106</b>	<b>33536</b>	<b>20422</b>	<b>25282</b>	<b>17982</b>	<b>1041395</b>

Source: Medical Council of India

Note: N R: Not reported by the State Medical Council

**Figure 5.1: No. of registered Allopathic Doctors**

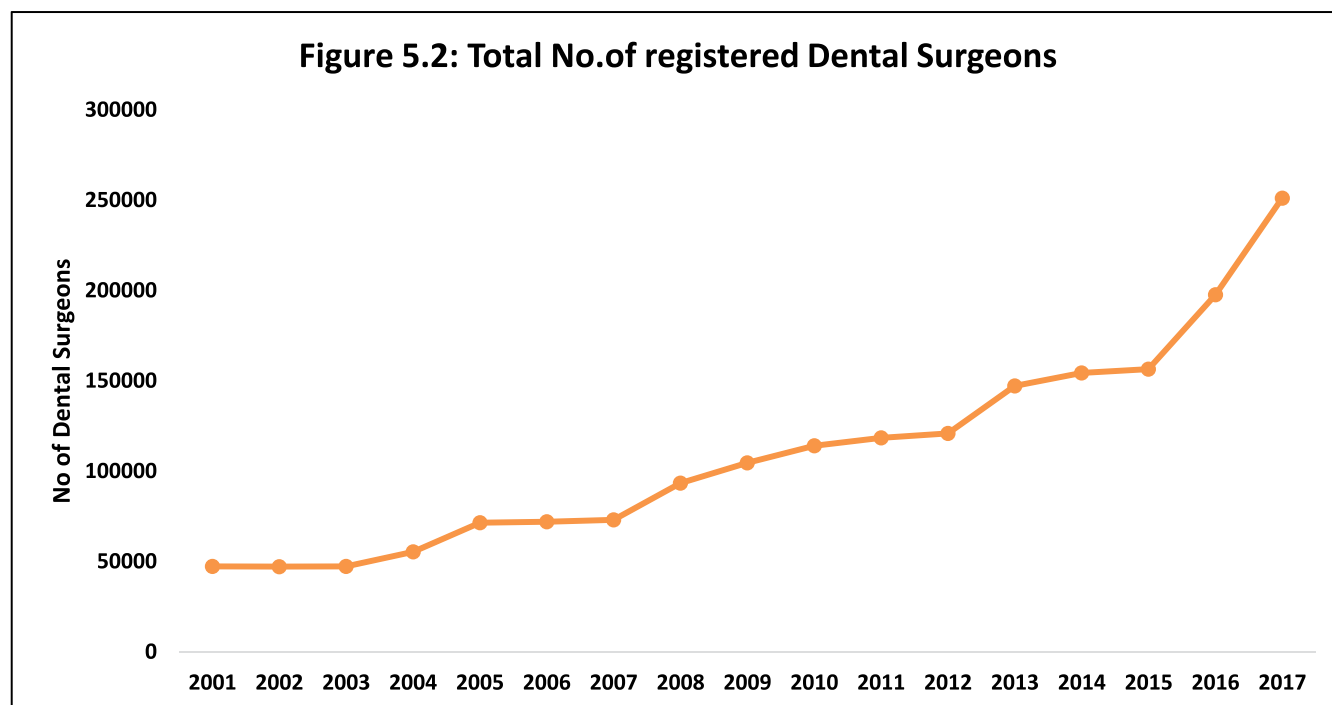


*Source: Medical Council of India*

## 5.2 Number of Dental Surgeons Registered With Central/State Dental Councils of India 1994- 2017

S. No.	Year	Dental Surgeons Registered
1	1994	21720
2	1995	23953
3	1996	24656
4	1997	28705
5	1998	31728
6	1999	34761
7	2000	39105
8	2001	47204
9	2002	47165
10	2003	47318
11	2004	55344
12	2005	71421
13	2006	72033
14	2007	73057
15	2008	93332
16	2009	104603
17	2010	114047
18	2011	118370
19	2012	120897
20	2013	147159
21	2014	154436
22	2015	156391
23	2016	197734
24	2017	251207

Source: Dental Council of India



Source: Medical Council of India

## 5.2.1 State/UT wise Dental surgeons Registered under Central / State Dental Councils of India 2008-2017

S. No.	State/UT	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	Andhra Pradesh	6457	6510	6510	6510	6510	13372	13372	13372	13372	19986
2	Arunachal Pradesh						95	95	121	159	159
3	Assam	805	944	1213	1213	1036	1375	1375	1375	1804	2286
4	Bihar	2807	2807	2807	2807	2807	3987	3987	3987	3987	8597
5	Chhattisgarh	194	407	498	847	1199	1463	1463	1463	1463	236
6	Goa	661	687	699	699	747	847	847	847	922	139
7	Gujarat	1745	2684	2684	2684	2684	4648	7237	7237	10515	12391
8	Haryana	1358	1740	1740	1740	1740	5232	5232	5232	7645	11602
9	Himachal Pradesh	662	772	772	772	772	1628	1784	1784	2585	2740
10	Jammu & Kashmir	1090	1090	1090	1090	1090	1910	1910	1910	1910	1973
10	Jharkhand	NA	NA	NA	NA	NA	NA	NA	99	351	470
11	Karnataka	23699	25612	27750	29579	29579	32951	32951	34768	37528	41602
12	Kerala	5918	6655	6655	6655	6655	10905	11016	11016	11016	19579
13	Madhya Pradesh	1776	2002	2507	3206	3206	4408	4408	4408	7182	7950
14	Maharashtra	16636	18159	18159	18159	18159	13187	13174	13187	34939	35458
15	Manipur									284	520
16	Odisha	432	537	537	289	289	896	896	896	896	1907
17	Punjab	4691	6996	6996	6884	6884	11422	12375	12375	14409	15581
18	Rajasthan	364	364	364	364	1878	2935	4243	4243	5502	6108
19	Tamil Nadu	10324	11385	14475	14475	13692	13504	15478	15478	15478	20514
20	Telangana									NR	90
21	Tripura*										96
22	Uttar Pradesh	5572	5572	8152	9441	10936	8784	8784	8784	11172	19185
23	Uttarakhand	NA	451	451	657	657	951	951	951	951	579
24	West Bengal	1825	2054	2809	3120	3120	3965	3965	3965	4719	5413
25	Chandigarh	596	671	675	675	826	873	891	891	943	943
26	Delhi	5720	6280	6280	6280	6280	7642	7642	7642	7642	14390
27	Puducherry	NA	224	224	224	151	179	360	360	360	713
	<b>Total</b>	<b>93332</b>	<b>104603</b>	<b>114047</b>	<b>118370</b>	<b>120897</b>	<b>147159</b>	<b>154436</b>	<b>156391</b>	<b>197734</b>	<b>251207</b>

Source: Dental Council of India

Note: Data as on 31st December of concerned year

NA - Not Available

NR - Not reported

\* Started reporting in 2017



### 5.3 State/UT wise Number of Government Allopathic Doctors and Dental Surgeons & Average Population Served in India (Provisional)

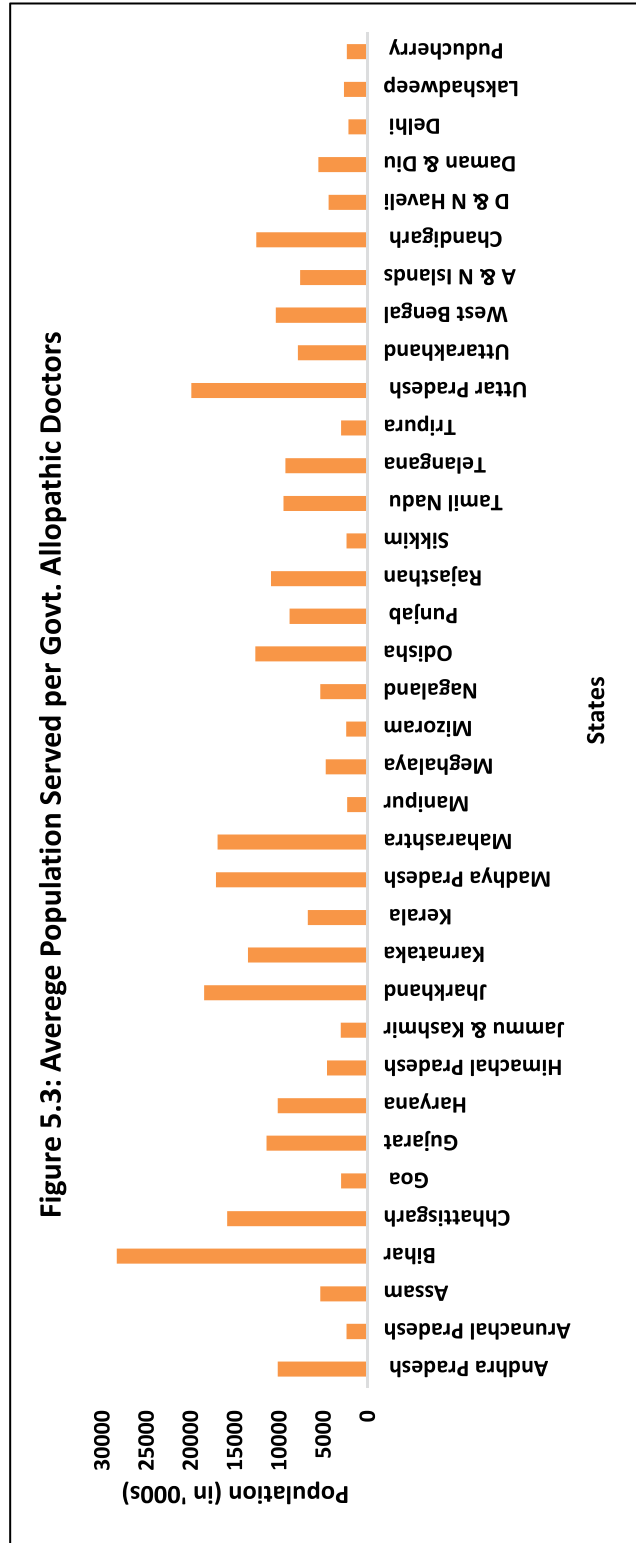
S. No	State/ UT	No. of Govt. Allopathic Doctors	No. of Govt. Dental Surgeons	Provisional/ Projected Population* as on reference period in (000)	Average Population Served/Govt. Allopathic Doctors	Average Population Served /Govt. Dental Surgeon	Reference Period
1	Andhra Pradesh **	5114	491	52105	10189	106120	01.01.2017
2	Arunachal Pradesh	549	51	1327	2417	26020	31.12.2017
3	Assam	6082	544	32810	5395	60313	31.12.2017
4	Bihar	3576	405	101526	28391	250681	01.01.2015
5	Chhattisgarh	1626	10	25879	15916	2587900	01.01.2017
6	Goa	521	110	2023	3883	18391	31.12.2017
7	Gujarat	5475	174	62825	11475	361066	01.01.2017
8	Haryana	2618	566	26675	10189	47129	01.01.2015
9	Himachal Pradesh	1517	276	7037	4639	25498	01.01.2016
10	Jammu & Kashmir	4058	513	12419	3060	24209	01.01.2017
11	Jharkhand	1793	32	33203	18518	1037608	01.01.2016
12	Karnataka	5047	367	68415	13556	186417	31.12.2017
13	Kerala	5239	172	35677	6810	207423	01.01.2017
14	Madhya Pradesh	4593	119	78964	17192	663563	01.01.2017
15	Maharashtra	6981	80	118652	16996	1483150	31.12.2015
16	Manipur	1099	86	2592	2358	30136	01.01.2017
17	Meghalaya	585	62	2803	4791	45210	31.12.2017
18	Mizoram	437	44	1074	2458	24409	31.12.2017
19	Nagaland	437	33	2354	5386	71319	01.01.2016
20	Odisha	3359	164	42808	12744	261024	31.12.2017
21	Punjab	2992	295	29372	9817	99566	31.12.2017
22	Rajasthan	7227	345	79324	10976	229925	31.12.2017
23	Sikkim	268	60	653	2437	10883	31.12.2017
24	Tamil Nadu	7233	584	69030	9544	118202	01.01.2016
25	Telangana**	4123	201	38520	9343	191642	01.01.2017
26	Tripura	1273	107	3867	3038	36140	31.12.2017
27	Uttar Pradesh	10754	188	214671	19962	1141869	01.01.2016
28	Uttarakhand	1344	59	10632	7911	180203	01.01.2017
29	West Bengal	8829	647	91920	10411	142071	01.01.2015
30	A & N Islands	72	6	551	7653	91833	01.01.2017
31	Chandigarh	141	17	1780	12624	104706	01.01.2017
32	D & N Haveli	98	52	437	4459	8404	31.12.2017
33	Daman & Diu	59	5	330	5593	66000	01.01.2017
34	Delhi	9121	312	20092	2203	64398	01.01.2015
35	Lakshadweep	29	1	78	2699	78279	01.01.2015
36	Puducherry	700	61	1669	2384	27361	01.01.2017
<b>Total</b>		<b>114969</b>	<b>7239</b>	<b>1274095</b>	<b>11082</b>	<b>176004</b>	

Source: Directorate of State Health Services

**Note:**

\* Projected population is taken from Report of the Technical Group on Population Projections May 2006, National Commission on Population, Registrar General of India except for Andhra Pradesh and Telangana.

\*\* Projected population provided by respective States



Source: Directorate of State Health Services

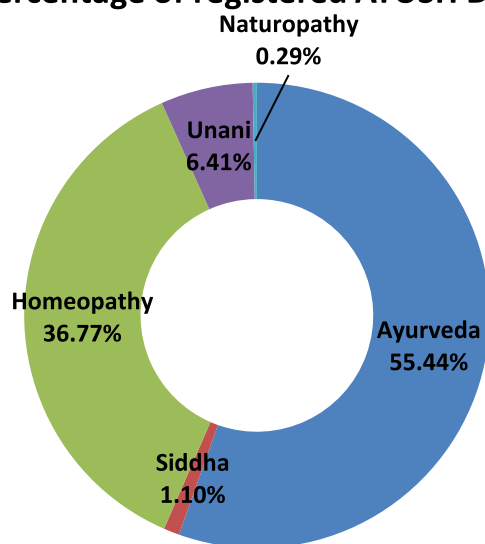
## 5.4 State/UT wise AYUSH Registered Practitioners (Doctors) in India as on 1.1.2017

S. No.	State/UT	Ayurveda	Unani	Siddha	Naturopathy	Homeopathy	Total
1	Andhra Pradesh^	15921	702	0	123	5247	21993
2	Arunachal Pradesh	44	2	0	0	293	339
3	Assam^	1002	0	0	0	1160	2162
4	Bihar	96841	7123	0	0	31992	135956
5	Chattisgarh	3430	148	0	102	1824	5504
6	Delhi	3421	2011	0	0	4827	10259
7	Goa	636	0	0	0	671	1307
8	Gujarat	26311	321	0	0	21455	48087
9	Haryana	8351	268	0	0	5605	14224
10	Himachal Pradesh	4975	0	0	0	1233	6208
11	Jammu & Kashmir	2937	2498	0	0	388	5823
12	Jharkhand	147	30	0	0	285	462
13	Karnataka	33869	1948	4	745	9102	45668
14	Kerala	24076	108	1657	147	13156	39144
15	Madhya Pradesh	46486	1685	0	15	16711	64897
16	Maharashtra	76465	6833	0	0	64538	147836
17	Manipur	0	0	0	0	0	0
18	Meghalaya	0	0	0	0	334	334
19	Mizoram	0	0	0	0	0	0
20	Nagaland	0	0	0	0	2084	2084
21	Odisha	4846	25	0	0	9645	14516
22	Punjab	11135	211	0	0	4411	15757
23	Rajasthan	9762	983	0	8	7810	18563
24	Sikkim	0	0	0	0	0	0
25	Tamil Nadu	4357	1182	6844	788	5075	18246
26	Telangana	10937	4764	0	314	4809	20824
27	Tripura	0	0	0	0	331	331
28	Uttar Pradesh	36626	13423	0	0	33425	83474
29	Uttarakhand	2806	129	0	0	726	3661
30	West Bengal	3503	5172	0	0	37178	45853
31	A&N Islands	0	0	0	0	0	0
32	Chandigarh	0	0	0	0	156	156
33	D&N Haveli	0	0	0	0	0	0
34	Daman& Diu	0	0	0	0	0	0
35	Lakshdweep	0	0	0	0	0	0
36	Puducherry	0	0	0	0	0	0
	<b>Total</b>	<b>428884</b>	<b>49566</b>	<b>8505</b>	<b>2242</b>	<b>284471</b>	<b>773668</b>

Source: Ministry of Ayush

- Note:** 1 Ayurveda :- Figures in r/o of all states Bihar (2015) has been repeated as the current year information not available  
2 Unani :- Figures in r/o states of Bihar (2015) and West Bengal (2014) has been repeated as the current year information not available.  
3 Siddha :- Figures in r/o states of Kerala, Karnataka and Tamil Nadu has been received from the States.  
4 Naturopathy :- Figures in r/o of all states received.  
5 Homoeopathy :- Figures in r/o states of Nagaland (2010), Odisha (2015) has been repeated as the current year information not available.  
6 Figures integrated in columns marked, 'Total' reflect the total numbers of practitioners in each states.  
7 Figures in r/o Manipur, Mizoram, Sikkim, A&N Islands, D&N Haveli, Daman & Diu, Lakshdweep and Puducherry have been indicated Nil in all streams as there is no separate Board/Council for registration of Practitioners in these States.  
8 Figures in r/o States of Arunachal Pradesh, Meghalaya, Nagaland, Tripura and Chandigarh have been indicated Nil in Ayurveda, Unani, Siddha and Naturopathy as there is no separate Board/Council for registration of Practitioners in these States.  
9 ^ The information of Homeopathy is updated based on information received from CCH as on 31.03.2016

**Figure 5.4: Percentage of registered AYUSH Doctors in India**



*Source: Ministry of Ayush*

## 5.5 State/UT Wise Number of Registered Nurses & Pharmacists In India

S. No	State/UT	Total No. of Registered Nurses in India as on 31.12.2016			Pharmacists as on 13.11.2017
		ANM	RN & RM	LHV	
1	Andhra Pradesh	138,435	232,621	2,480	115,754
2	Arunachal Pradesh	971	938	15	279
3	Assam	27,624	21,079	320	3,668
4	Bihar*	8,624	9,413	511	4,163
5	Chattisgarh	13,329	13,048	1,352	9,713
6	Goa	NA	N/A	N/A	566
7	Gujarat	44,402	108,476	N/A	119,445
8	Haryana*	24,675	28,356	694	31,663
9	Himachal Pradesh	11,673	20,934	500	3,852
10	Jharkhand*	4,755	3,310	142	2,337
11	Karnataka*	54,039	231,643	6,840	52,162
12	Kerala	30,173	246,161	8,507	35,382
13	Madhya Pradesh*	39,563	118,793	1,731	N/A
14	Maharashtra	60,837	120,623	572	203,089
15	Manipur	3,621	7,835	N/A	N/A
16	Meghalaya	1,584	4,571	193	1,370
17	Mizoram	2,102	3,405	N/A	1,313
18	Nagaland	NA	N/A	N/A	1,553
19	Odisha*	62,159	75,575	238	17,665
20	Punjab*	23,029	76,680	2,584	44,616
21	Rajasthan*	108,688	200,171	2,732	38,156
22	Tamil Nadu	56,630	262,718	11,180	58,466
23	Tripura*	2,066	2,827	148	4,747
24	Uttar Pradesh	53,515	62,617	2,763	30,276
25	Uttarakhand*	1,864	1,513	11	2,643
26	West Bengal	60,739	60,753	12,854	89,630
27	Dadra & Nagar Haveli	NA	N/A	N/A	N/A
28	Daman & Diu	NA	N/A	N/A	52
29	Delhi	4,325	61,575	N/A	32,079
30	Lakshadweep	NA	N/A	N/A	N/A
31	Puducherry	NA	N/A	N/A	2,493
32	Telangana	1,857	4,901	N/A	N/A
	<b>Total</b>	<b>841,279</b>	<b>1,980,536</b>	<b>56,367</b>	<b>907,132</b>

Source: Indian Nursing Council & Pharmacy Council of India

**Note:**

- 1 ANM: Auxilliary Nurse Midwives
- 2 RN & RM: Registered Nurses & Registered Midwives
- 3 LHV: Lady Health Visitors
- 4 NA: Not Available
- 5 \* Last year data upto 31.12.2015 for data pertaining to ANM, RN & RM and LHV

## 5.6 State/UT wise Health Human Resource in Rural Areas (Govt.) in India as on 31.03.2017

S. No.	India/State/UT	No. of Doctors <sup>^</sup> at PHCs	Total Specialists at CHCs	Health Assistants		Health Workers	
				Male	Female(LHV)	Male	Female/ANM
	<b>India</b>	<b>27124</b>	<b>4156</b>	<b>12288</b>	<b>14267</b>	<b>56263</b>	<b>220707</b>
1	Andhra Pradesh	1644	348	0	1143	2964	12073
2	Arunachal Pradesh	122	4	81	6	92	481
3	Assam	1048	139	106	308	2783	9056
4	Bihar	1786	82	212	95	1244	23390
5	Chattisgarh	341	59	425	640	3856	6834
6	Goa	56	4	0	9	86	195
7	Gujarat	1229	92	933	1218	7888	8859
8	Haryana	429	16	153	273	1217	4432
9	Himachal Pradesh	492	12	46	0	829	1786
10	Jammu & Kashmir	704	191	26	99	672	4737
11	Jharkhand	331	75	33	16	1654	7933
12	Karnataka	2136	498	3252	1089	3252	7152
13	Kerala	1169	40	2186	13	3401	7950
14	Madhya Pradesh	954	180	543	963	3707	11546
15	Maharashtra	2929	508	1620	1801	4570	12135
16	Manipur##	194	3	65	59	374	923
17	Meghalaya	112	13	83	72	192	1075
18	Mizoram	56	0	22	19	366	640
19	Nagaland ##	122	8	53	24	N/A	569
20	Odisha	940	318	0	559	3617	8084
21	Punjab	568	203	268	502	1424	4893
22	Rajasthan	2382	497	34	1106	1159	16211
23	Sikkim	30	1	1	12	86	196
24	Tamil Nadu	2759	78	1036	991	2109	7957
25	Telangana	966	125	0	944	1769	7848
26	Tripura	156	0	23	33	735	720
27	Uttar Pradesh	2209	484	13	1916	3835	31716
28	Uttarakhand	215	41	954	155	67	2083
29	West Bengal	918	117	73	157	2174	18449
30	A& N Islands	34	0	11	20	45	336
31	Chandigarh#	3	15	0	3	2	39
32	D & N Haveli	8	0	0	0	63	90
33	Daman & Diu	7	0	2	0	17	46
34	Delhi	21	0	0	9	0	33
35	Lakshadweep	8	0	0	1	14	51
36	Puducherry	46	5	34	12	0	189

**Source:** Bulletin on Rural Health Statistics in India 2017, Statistics Division, Ministry of Health & Family Welfare

**Note:**

# Data 2016 used for Health worker (Male)

## Data for 2015 used for Health Assistant (Male)

^ Allopathic doctors

## 5.7 Human Resources in Health Sector in Railways as on 31st March, 2017

S No.	Zone / PU	Total No. of Doctors				Total No of Nurses		Total No. of Pharmacist
		No. of Doctors Working #	No. of Doctors with Speciality Degree/ Diploma	No. of Doctors Super Speciality Degree	No. of Dental Surgeon Working *	No. of Auxiliary Nurse and Mid - wives (ANM) working **	No. of Nurse and Mid - wives (RN & RM) working **	No. of Pharmacist Working **
1	Central Railway	188	94	0	7	0	356	136
2	Eastern Railway	224	99	6	2	0	447	133
3	East Central Railway	126	61	1	2	0	257	84
4	East Coast Railway	72	30	0	4	0	124	57
5	Northern Railway	220	138	0	4	0	294	189
6	North Central Railway	89	39	0	2	0	123	74
7	North East Railway	99	46	4	4	0	222	75
8	North Frontier Railway	162	47	0	3	0	272	134
9	North Western Railway	111	44	0	4	1	171	1004
10	Southern Railway	201	91	13	5	3	490	168
11	South East Central Railway	63	11	0	1	0	85	43
12	South Eastern Railway	111	21	14	4	3	347	85
13	South Central Railway	155	55	2	1	0	278	120
14	South Western Railway	73	33	0	2	0	127	57
15	Western Railway	214	777	2	8	0	315	164
16	West Cental Railway	88	38	0	1	0	146	78
17	Intergral Coach Factory	18	13	1	1	0	31	13
18	Rail Coach Factory	12	3	0	1	0	31	15
19	Chittaranjan Locomotive Works	13	5	0	0	1	46	13
20	Diesal Locomotive Works	14	12	0	0	0	38	16
21	Diesel Modernisation Works	8	2	0	1	0	10	6
22	Rail Wheel Factory	9	7	0	0	0	12	4
23	Research Design and Standards Organization	7	5	0	0	0	12	4
24	Railway Boad	4	1	0	0	0	0	0
25	MCF/Raebareli	10	2	0	0	0	7	6
26	Metro/Kolkata	6	3	0	0	0	8	4
27	NAIR/BRC	1	0	0	0	0	0	0
28	RWP/Bela	3	0	0	0	0	4	1
	<b>Total</b>	<b>2301</b>	<b>1677</b>	<b>43</b>	<b>57</b>	<b>8</b>	<b>4253</b>	<b>2683</b>

Source: Ministry of Railways

### Note:

- # Figures include Contract Medical Practioner working full time.
- \* Figures include Contract Dental Surgeon working full time.
- \*\* Figures include contractually employed workers working full time.

## 5.8 Human Resources in Health Sector in ESI Corporation as on March, 2017

S. No.	State /UT	Medical Officer	Specialist	Super Specialist	Dental Surgeon*	Total No. of Nurses (RN & RM)	Total No. of Pharmacist*
1	Andhra Pradesh	190	31		1	373	NIL
2	Assam	71	10		1	51	4
3	Bihar	47	12		1	40	4
4	Chandigarh	50	16		1	58	9
5	Chhattisgarh	85	0		0	91	NIL
6	Delhi	823	100		5	597	335
7	Goa	43	13		0	17	NIL
8	Gujarat	399	78		2	361	11
9	Himachal Pradesh	71	18		0	73	6
10	Haryana	366	76		2	272	18
11	J & K	43	10		1	24	4
12	Jharkhand	96	21		2	86	9
13	Karnataka	393	319		3	335	21
14	Kerala	393	105		2	531	25
15	Madhya Pradesh	298	134		0	234	8
16	Meghalaya	2	0		0	4	NIL
17	Maharashtra	393	115		1	261	8
18	Nagaland	1	0		0	1	NIL
19	Odisha	107	36		1	107	3
20	Puducherry	33	7		0	42	NIL
21	Punjab	121	72		2	71	11
22	Rajasthan	211	54		2	499	25
23	Sikkim	4	0		0	4	NIL
24	Telangana	300	100	18	0	140	18
25	Tamil Nadu	596	72		3	213	19
26	Tripura	2	0		0	1	NIL
27	Uttar Pradesh	238	60		1	296	2
28	Uttarakhand	33	0		0	0	NIL
29	West Bengal	682	228		1	1067	21
<b>Total</b>		<b>6091</b>	<b>1687</b>	<b>18</b>	<b>32</b>	<b>5849</b>	<b>561</b>

**Source:** Employees's State Insurance Corporation

**Note:** The data does not include staff of Medical Education, ESIC

\* Figure indicate in - position staff of ESIC Hospitals only and not state run ESI hospital.



## 5.9 State/ UT wise list of Post Graduate Diploma/ MD/MS Courses and Superspeciality Courses in India as on Dec - 2017

S. No.	State/ UT	Diploma Courses										
		Dermatology, Venereology & Leprosy	Anesthesia	Child Health	Clinical pathology	Forensic medicine	Health Education	Community Medicine	Health Administration	Obstetrics & Gynecology	Ophthalmology	Orthopedics
1	Andhra Pradesh	17	42	37	16	0				51	17	17
2	Arunachal Pradesh											
3	Assam		9	7	10	2				12	5	
4	Bihar		12	11	7					26	3	7
5	Chhattisgarh		1	6	1					1	2	6
6	Goa	2	4	4						4		
7	Gujarat	11	40	25	20		7	0		42	26	9
8	Haryana	2	12	5						6	5	10
9	Himachal Pradesh		3	2	2							1
10	Jammu & Kashmir	2	27	6	6					15	1	6
11	Jharkhand	6	2	10	12					2	12	3
12	Karnataka	32	100	80	82	10				102	59	74
13	Kerala	4	35	37	15					37	15	28
14	Madhya Pradesh		21	28	7	0				24	12	14
15	Maharashtra	19	92	68	33	5	2	0		88	36	36
16	Manipur		4		2							
17	Meghalaya											
18	Mizoram											
19	Nagaland											
20	Odisha		3	0	0							0
21	Punjab		28	12	0					8	1	
22	Rajasthan		18	9	1	6				9		
23	Sikkim											
24	Tamil Nadu	17	71	74	17					86	61	32
25	Telangana	9	41	31	11					55	18	12
26	Tripura											
27	Uttarakhand		3	2	3					2		2
28	Uttar Pradesh	4	25	45	5	1	2	0		46	28	32
29	West Bengal		18	21	4		0			27	25	8
30	A & N Islands											
31	Chandigarh											
32	D & N Haveli											
33	Daman & Diu											
34	Delhi	3	24	20			20		6	26	9	
35	Lakshadweep	0										
36	Puducherry	3	4	7	0					6	4	8
	<b>India</b>	<b>131</b>	<b>639</b>	<b>547</b>	<b>254</b>	<b>24</b>	<b>20</b>	<b>11</b>	<b>6</b>	<b>675</b>	<b>339</b>	<b>305</b>

Source: Medical Council of India

**5.9 (Contd.) State/ UT wise list of Post Graduate Diploma/ MD/MS courses and Superspeciality Courses in India as on Dec - 2017**

S. No.	State/ UT	Diploma Courses						
		Oto-Rhino-laryngology	Physical Medicine & rehabilitation	Psychological medicine	Public Health	Radiotherapy	Radio-Diagnosis	Sports Medicine
1	Andhra Pradesh	14		8	5	0	21	10
2	Arunachal Pradesh							
3	Assam	6		4			0	
4	Bihar		1				5	
5	Chhattisgarh	1					3	
6	Goa			2	2		4	
7	Gujarat	24		11	10		34	19
8	Haryana			2			5	2
9	Himachal Pradesh	2					3	
10	Jammu & Kashmir						6	
11	Jharkhand	1		19		2	3	
12	Karnataka	47		21	7	5	45	5
13	Kerala	14	6	11	3	3	10	8
14	Madhya Pradesh	10					7	2
15	Maharashtra	20		20	30	1	51	6
16	Manipur							
17	Meghalaya							
18	Mizoram							
19	Nagaland							
20	Odisha						0	
21	Punjab	1				1	4	6
22	Rajasthan				6		6	0
23	Sikkim							
24	Tamil Nadu	36	3	17	11	11	32	9
25	Telangana	12		6	4		18	6
26	Tripura							
27	Uttarakhand						3	
28	Uttar Pradesh	8		2	2	2	15	3
29	West Bengal	9		10	10	4	0	14
30	A & N Islands							
31	Chandigarh							
32	D & N Haveli							
33	Daman & Diu							
34	Delhi	7	0			0	9	10
35	Lakshadweep							
36	Puducherry	1		1	0		2	1
	<b>India</b>	<b>213</b>	<b>10</b>	<b>134</b>	<b>90</b>	<b>29</b>	<b>286</b>	<b>6</b>
								<b>95</b>

Source: Medical Council of India

## 5.9 (Contd.) State/ UT wise list of Post Graduate Diploma/ MD/MS courses and Superspeciality Courses in India as on Dec - 2017

S. No.	State/ UT	MD / MS Courses									
		Anaesthesiology	Aviation Medicine/ Aerospace Medicine	Bio-Chemistry	Dermatology, Venereology & Leprosy	Forensic Medicine/ Forensic Medicine & Toxicology	General Medicine	Hospital Administration & Community Health Administration	Immuno Hematology & Blood transfusion	Microbiology	Paediatrics
1	Andhra Pradesh	132		42	45	20	218	6	1	58	90
2	Arunachal Pradesh										
3	Assam	24		16	11	10	57			18	20
4	Bihar	45		19	14	8	79			27	41
5	Chhattisgarh	9		4		2	17				4
6	Goa	6		4	3	5	5			3	3
7	Gujarat	167		23	48	27	187		9	48	97
8	Haryana	56		23	11	18	47			12	25
9	Himachal Pradesh	30		1	6	6	20			6	12
10	Jammu & Kashmir	33			8		57	4	2	7	19
11	Jharkhand	4		5	3	3	15			6	6
12	Karnataka	227	17	100	101	70	378	11	2	121	205
13	Kerala	77		22	36	15	112		5	32	71
14	Madhya Pradesh	60		15	15	11	103			18	44
15	Maharashtra	301		56	67	37	387	8	9	116	198
16	Manipur	16		9	4	5	20			6	5
17	Meghalaya	4					2			3	
18	Mizoram										
19	Nagaland										
20	Odisha	60		15	16	14	75		2	20	54
21	Punjab	45		19	21	11	72		4	24	30
22	Rajasthan	184		19	35	20	175		4	40	99
23	Sikkim			2			2			2	2
24	Tamil Nadu	188		64	72	20	313		14	87	146
25	Telangana	91		41	42	22	155	8		47	81
26	Tripura	2				1	6			1	1
27	Uttarakhand	25		6	4	5	33			8	15
28	Uttar Pradesh	174		29	40	21	176		3	57	100
29	West Bengal	111		34	29	19	117		2	36	88
30	A & N Islands										
31	Chandigarh	57		3	13	3	65		5	14	44
32	D & N Haveli										
33	Daman & Diu										
34	Delhi	206		38	42	28	166	10		58	98
35	Lakshadweep										
36	<b>Puducherry</b>	<b>41</b>		<b>20</b>	<b>22</b>	<b>9</b>	<b>62</b>		<b>4</b>	<b>23</b>	<b>41</b>
	<b>India</b>	<b>2375</b>	<b>17</b>	<b>629</b>	<b>708</b>	<b>410</b>	<b>3121</b>	<b>47</b>	<b>66</b>	<b>898</b>	<b>1639</b>

Source: Medical Council of India

## 5.9 State/ UT wise list of Post Graduate Diploma/ MD/MS Courses and Superspeciality Courses in India as on Dec - 2017

S. No.	State/ UT	MD / MS Courses										
		Physical Medicine & Rehabilitation	Physiology	Psychiatry	Radio Diagnosis/ Radiology	Radiotherapy	Social & Preventive Medicine/ Community Medicine	TB & Respiratory Diseases/ Pulmonary Medicine	Anatomy	Obstetrics & Gynaecology	Ophthalmology	Emergency Medicine
1	Andhra Pradesh		42	30	62	5	51	48	37	112	67	6
2	Arunachal Pradesh											
3	Assam		18	20	23	3	13	4	18	31	20	2
4	Bihar	2	29	1	16	0	16		29	34	26	
5	Chhattisgarh		2		7	6	4		4	9	6	
6	Goa		5	2	2		5	4	4	5	5	
7	Gujarat		54	34	84	10	65	34	55	129	68	13
8	Haryana		22	15	30	8	27	11	18	29	18	
9	Himachal Pradesh		2	3	17	4	6	3	4	27	8	
10	Jammu & Kashmir		8	5	15	5	13		9	24	19	
11	Jharkhand		9	10	1		5		7	9	6	
12	Karnataka	2	117	91	154	23	116	27	121	192	124	15
13	Kerala	8	33	40	52	25	35	22	28	73	41	8
14	Madhya Pradesh		19	15	28	15	35	12	21	55	36	
15	Maharashtra	2	92	57	160	22	133	55	99	243	126	7
16	Manipur	4	10	3	2	4	12	2	8	22	5	
17	Meghalaya				2				2	0		
18	Mizoram											
19	Nagaland											
20	Odisha		22	11	24	6	27	14	19	60	34	
21	Punjab		24	13	28	7	25	14	27	36	23	
22	Rajasthan	8	30	25	46	20	29	49	29	131	37	
23	Sikkim		3	3			2			2		
24	Tamil Nadu	7	67	66	88	14	69	39	58	172	88	4
25	Telangana		35	30	60	17	28	41	44	75	60	4
26	Tripura			1	2		3			2	2	
27	Uttarakhand		8	4	8	3	11	6	13	14	11	
28	Uttar Pradesh	4	59	42	71	31	78	46	56	123	91	
29	West Bengal	7	36	24	44	31	40	27	37	150	47	
30	A & N Islands											
31	Chandigarh			17	28	8	1	5	3	29	18	
32	D & N Haveli											
33	Daman & Diu											
34	Delhi	17	44	52	105	23	42	7	48	140	151	14
35	Lakshadweep											
36	<b>Puducherry</b>		<b>20</b>	<b>11</b>	<b>30</b>	<b>9</b>	<b>25</b>	<b>8</b>	<b>18</b>	<b>41</b>	<b>19</b>	<b>8</b>
	<b>India</b>	<b>61</b>	<b>810</b>	<b>625</b>	<b>1189</b>	<b>299</b>	<b>916</b>	<b>478</b>	<b>816</b>	<b>1969</b>	<b>1156</b>	<b>81</b>

Source: Medical Council of India

## 5.9 (Contd.) State/ UT wise list of Post Graduate Diploma/ MD/MS Courses and Superspeciality Courses in India as on Dec - 2017

		MD / MS Courses							
S. No.	State/ UT	Pathology	Pharmacology	Nuclear Medicine	Sports Medicine	Transfusion Medicine	ENT	General Surgery	Orthopaedics
1	Andhra Pradesh	63	47	4		0	47	195	88
2	Arunachal Pradesh								
3	Assam	21	14				12	55	30
4	Bihar	36	33				21	74	24
5	Chhattisgarh	4	2				2	14	2
6	Goa	3	6				4	6	3
7	Gujarat	114	57				45	196	93
8	Haryana	35	19				11	47	25
9	Himachal Pradesh	7	5				8	22	12
10	Jammu & Kashmir	22	5				15	57	20
11	Jharkhand	11	10				5	24	3
12	Karnataka	205	128			1	110	291	193
13	Kerala	60	30	2		1	32	91	50
14	Madhya Pradesh	46	18				22	110	47
15	Maharashtra	207	111	6	2		84	366	185
16	Manipur	8	6			2	8	26	11
17	Meghalaya	3						2	
18	Mizoram								
19	Nagaland								
20	Odisha	38	21			2	16	88	38
21	Punjab	40	25		1		25	74	36
22	Rajasthan	72	16			2	35	98	94
23	Sikkim		2				2		
24	Tamil Nadu	119	56	1	2		61	294	147
25	Telangana	69	41			1	38	145	84
26	Tripura	1	1				3	2	2
27	Uttarakhand	15	7				7	27	6
28	Uttar Pradesh	126	75	2			51	182	86
29	West Bengal	65	32				34	119	45
30	A & N Islands								
31	Chandigarh	25	8			3	13	67	25
32	D & N Haveli								
33	Daman & Diu								
34	Delhi	86	31	16	5		47	150	79
35	Lakshadweep								
36	Puducherry	23	23	3			19	55	33
	<b>India</b>	<b>1524</b>	<b>829</b>	<b>34</b>	<b>10</b>	<b>12</b>	<b>777</b>	<b>2877</b>	<b>1461</b>

Source: Medical Council of India

**5.9 (Contd.) State/ UT wise list of Post Graduate Diploma/ MD/MS courses and Superspeciality Courses in India as on Dec - 2017**

		DM / MCH Courses									
S. No.	State/ UT	Cardiology	Clinical Pharmacology	Endocrinology	Gastroenterology	Neonatology	Nephrology	Neurology	Oncology	Head and Neck Surgery	Cardiac - Anaes
1	Andhra Pradesh	15	0	7	7	1	7	10	2		
2	Arunachal Pradesh										
3	Assam	2		2			2	2	2		
4	Bihar				2						
5	Chhattisgarh										
6	Goa										
7	Gujarat	16			1		4	4	10		6
8	Haryana	2			2						
9	Himachal Pradesh	2									
10	Jammu & Kashmir	3		4	3			2	2		
11	Jharkhand										
12	Karnataka	34		6	7	1	9	30	10	1	9
13	Kerala	35		5	13	2	10	20	5	2	2
14	Madhya Pradesh				2		1	2	2		
15	Maharashtra	29	4	5	14	4	8	7	16	4	3
16	Manipur										
17	Meghalaya	2									
18	Mizoram										
19	Nagaland										
20	Odisha	10		2	3		4	3			
21	Punjab	5			3		3	3			
22	Rajasthan	16		1	9		5	15			
23	Sikkim										
24	Tamil Nadu	36		4	27	13	22	33	10		
25	Telangana	21	5	4	7	1	14	16	3		
26	Tripura										
27	Uttarakhand										
28	Uttar Pradesh	25		7	10		8	19			
29	West Bengal	22	2	11	5	2	6	15			5
30	A & N Islands										
31	Chandigarh	16	6	8	0	4	8	0			0
32	D & N Haveli										
33	Daman & Diu										
34	Delhi	38	6	11	16	15	15	49	27		18
35	Lakshadweep										
36	Puducherry	5	1	2		2	2	2	2		
	<b>India</b>	<b>334</b>	<b>24</b>	<b>79</b>	<b>131</b>	<b>45</b>	<b>128</b>	<b>232</b>	<b>91</b>	<b>7</b>	<b>43</b>

Source: Medical Council of India

## 5.9 (Contd.) State/ UT wise list of Post Graduate Diploma/ MD/MS Courses and Superspeciality Courses in India as on as on Dec - 2017

		DM / MCH Courses												
S. No.	State/ UT	Pulmonary Medicine	Rheumatology	Cardio Thoracic Surgery	Cardio Thoracic vascular Surgery	Endocrine Surgery	Neuro Surgery	Plastic Surgery	Surgical Gastroenterology/ GI Surgery	Surgical Oncology	Thoracic Surgery	Urology/ Genito Urinary Surgery	Vascular Surgery	Paeditric Surgery
1	Andhra Pradesh			5	2		13	4	3	2		13		5
2	Arunachal Pradesh													
3	Assam			2			2	2		3		2		2
4	Bihar							8				2		
5	Chhattisgarh													
6	Goa						2							
7	Gujarat				8		9	17	1	10		4		5
8	Haryana				2		4	1				3		2
9	Himachal Pradesh				2									
10	Jammu & Kashmir				5		2	2				1		2
11	Jharkhand						1							
12	Karnataka	1		13	4		20	13	2	11		32	2	18
13	Kerala	3	2	4	6		20	7	5	6	6	18		14
14	Madhya Pradesh						10			2		1		2
15	Maharashtra			3	10		25	26		16	10	22		17
16	Manipur											2		
17	Meghalaya													
18	Mizoram													
19	Nagaland													
20	Odisha				1		4	3		2		5		6
21	Punjab				1		2	4				1		1
22	Rajasthan			8	3		17	6				14		10
23	Sikkim													
24	Tamil Nadu		5	10	1	3	25	32	10	11	18	30	10	23
25	Telangana		3	11	1		16	16	1	3		15		9
26	Tripura													
27	Uttarakhand													
28	Uttar Pradesh		2	3	6	4	12	10	8	5		12		4
29	West Bengal		2	12	8		11	15	1			12		10
30	A & N Islands													
31	Chandigarh	4		12			12	10	0			10		8
32	D & N Haveli													
33	Daman & Diu													
34	Delhi	19			44		32	14	18	15		19		23
35	Lakshadweep													
36	Puducherry				4		3	3	2	2		7		2
	<b>India</b>	<b>27</b>	<b>14</b>	<b>83</b>	<b>108</b>	<b>7</b>	<b>242</b>	<b>193</b>	<b>51</b>	<b>88</b>	<b>34</b>	<b>225</b>	<b>12</b>	<b>163</b>

Source: Medical Council of India

Note: Regarding other Specialities and Superspecialities, data is not available

[www.cbhidghs.nic.in](http://www.cbhidghs.nic.in)