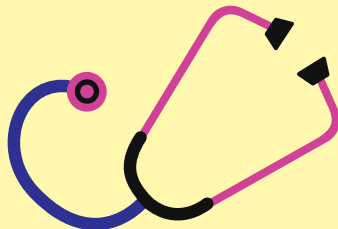
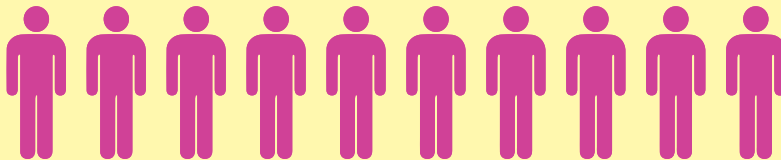




HEALTH HUMAN RESOURCE

CHAPTER FIVE

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



5. Human Resources in Health Sector

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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 2015 and 2016 were 19,470 and 8,102 respectively. At present average population served by Government Allopathic Doctor is 10,189 number of persons served per allopathic doctor.
- 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 31.12.2016 were 1, 97,734.
- 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, 44, 563 in 2015 to 7,71,468 in 2016.
- AYUSH has Maximum numbers of Registered Ayurvedic doctors (54.34%), followed by Registered Homeopathy Doctors (38.02%) in India.
- 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 important role in Health Care Delivery System in India and its changing with the times. It is through their activities that people perceive health policies and strategies. It is through them that planners at the upper level gain insights into health problems and needs of the rural people. Considering their status as grass-root level workers in the health organizational hierarchy, a heavy responsibility rests on them. There are total of 8,21,147 ANM serving in India.

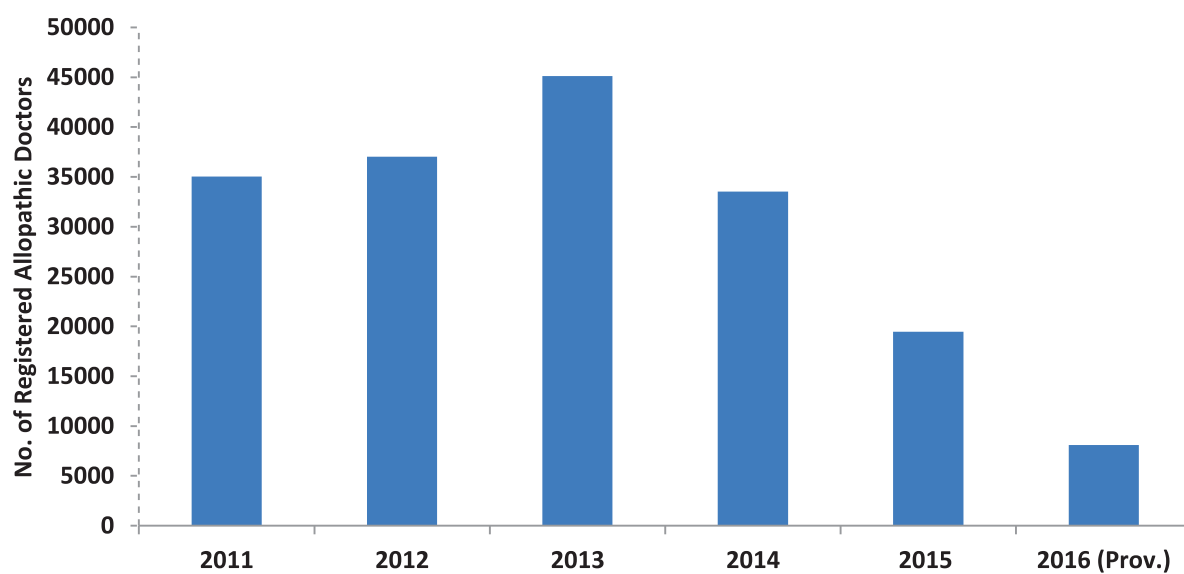
5.1 States/UTs wise Number of Doctors Possessing Recognised Medical, Qualifications (Under I.M.C Act) Registered With State Medical Councils/Medical Council of India from the year upto 2010 to 2016.

S. No.	State/UT	Upto 2010	2011	2012	2013	2014	2015	2016 (Prov.)	Total up to 2016
1	Andhra Pradesh	66109	4370	4498	5737	5415	NR	NR	86129
2	Arunachal Pradesh	334	80	12	55	29	108	23	641
3	Assam	19147	561	487	529	611	564	457	22356
4	Bihar	37368	969	464	429	813	NR	NR	40043
5	Chhattisgarh	3224	882	595	556	812	370	NR	6439
6	Delhi	6748	1006	946	1073	1713	419	NR	11905
7	Goa	2828	119	136	132	NR	103	NR	3318
8	Gujarat	47231	1795	2197	2153	NR	578	NR	53954
9	Haryana	5356	361	0	NR	NR	NR	NR	5717
10	Himachal Pradesh	913	310	459	296	276	363	232	2849
11	Jammu & Kashmir	11360	635	471	473	67	495	288	13789
12	Jharkhand	3245	490	355	283	45	285	60	4763
13	Karnataka	87734	3727	4207	4772	833	NR	NR	101273
14	Madhya Pradesh	26669	947	1338	1298	1409	1417	909	33987
15	Maharashtra	138303	3157	3433	3682	4938	NR	NR	153513
17	MCI	37300	3730	4864	5603	1169	NR	NR	52666
16	Nagaland	0	0	0	0	0	751	50	801
18	Odisha	16786	460	380	719	2402	934	NR	21681
19	Punjab	39291	1128	1083	1234	1270	676	NR	44682
20	Rajasthan	28797	1146	1442	1468	1963	2040	1326	38182
21	Sikkim	608	69	74	73	NR	69	NR	893
22	Tamil Nadu	86822	3476	4182	9218	5064	5088	4425	118275
23	Kerala	40007	2008	1703	1482	2500	3363	NR	51063
24	Uttar Pradesh	58168	2081	2247	2253	594	NR	NR	65343
25	Uttarakhand	3394	307	527	169	660	636	NR	5693
26	West Bengal	59264	1230	917	1419	953	1211	332	65326
	Total	827006	35044	37017	45106	33536	19470	8102	1005281

Source: Medical Council of India

Note: NR: Not reported by the State Medical Council

Figure 5.1: No. of Registered Allopathic Doctors



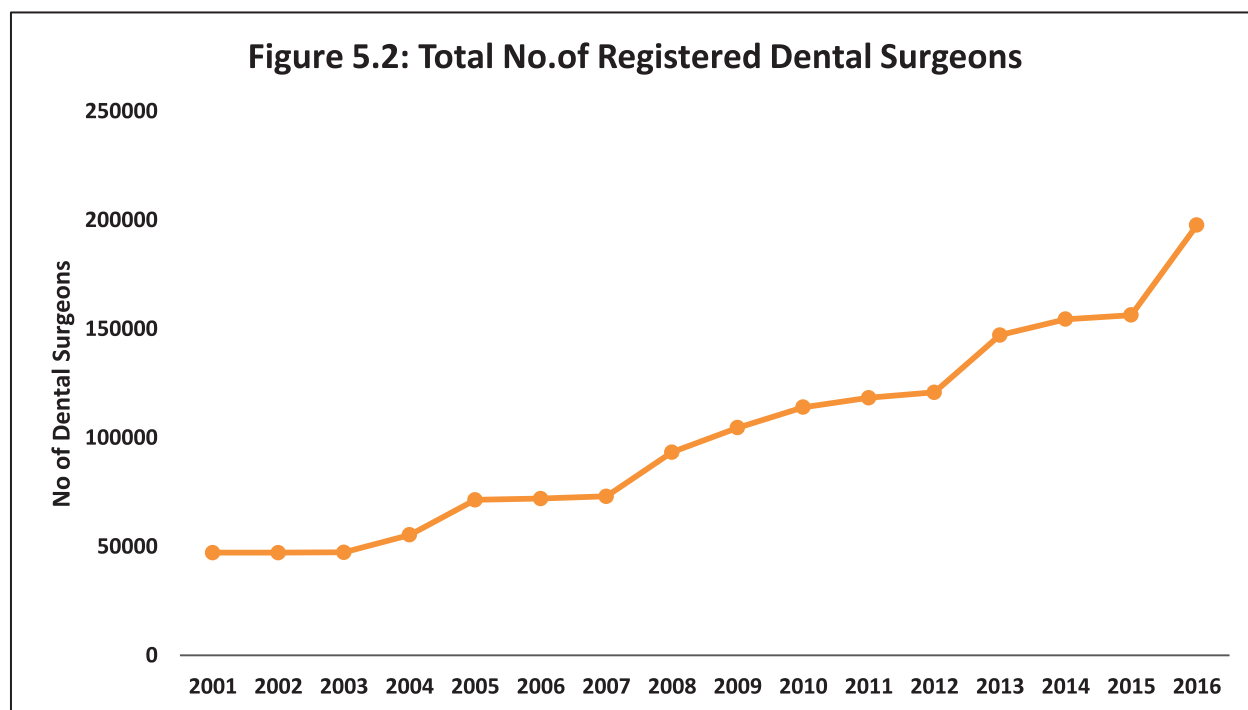
Source: Medical Council of India

5.2 Number of Dental Surgeons Registered With Central/State Dental Councils of India 1994- 2016

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

Source: Dental Council of India

Note: NA- Not available



Source: Dental Council of India

5.2.1 State/UT wise Dental surgeons Registered under Central / State Dental Councils of India 2008-2016

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

Source: Dental Council of India

Note:

Data as on 31st December of concerned year

NA - Not Available

NR - Not reported

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

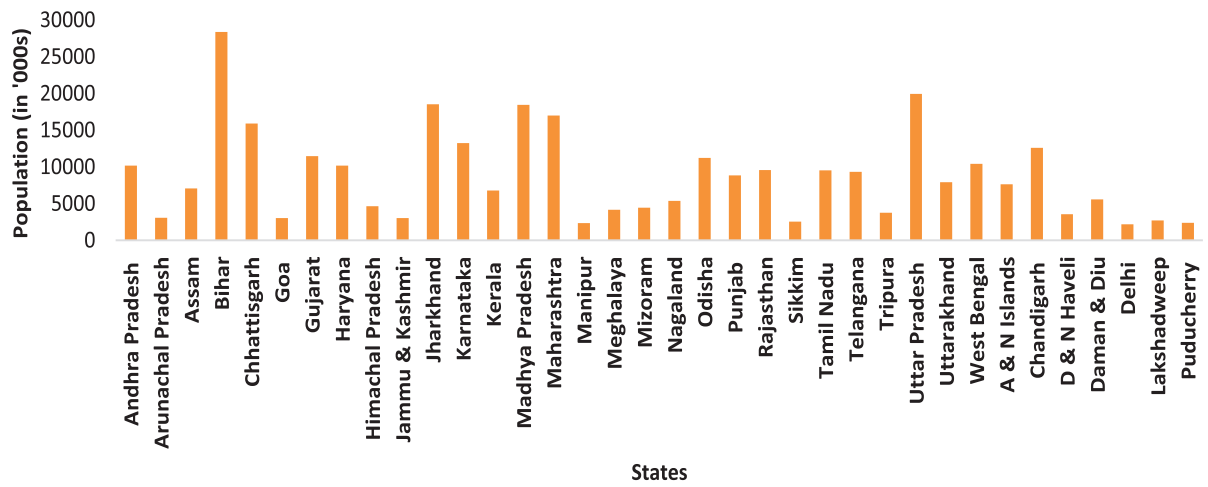
S. No.	State/ UT	No. of Govt. Allopathic Doctors	No. of Govt. Dental Surgeons	Provisional/ Projected Population* as on reference period in (000)	Average Population Served/ Govt. Allopathic Doctors	Average Population Served / Govt. Dental Surgeon	Reference Period
1	Andhra Pradesh **	5114	491	52105	10189	106120	01.01.2017
2	Arunachal Pradesh	418	53	1284	3072	24226	01.01.2015
3	Assam	4522	284	32069	7092	112920	01.01.2016
4	Bihar	3576	405	101526	28391	250681	01.01.2015
5	Chhattisgarh	1626	10	25879	15916	2587900	01.01.2017
6	Goa	651	72	1977	3037	27458	01.01.2017
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	4705	338	62374	13257	184539	01.01.2017
13	Kerala	5239	172	35677	6810	207423	01.01.2017
14	Madhya Pradesh	4156	107	76745	18466	717239	01.01.2016
15	Maharashtra	6981	80	118652	16996	1483150	31.12.2015
16	Manipur	1099	86	2592	2358	30136	01.01.2017
17	Meghalaya	659	64	2743	4162	42857	01.01.2016
18	Mizoram	239	27	1063	4446	39359	01.01.2017
19	Nagaland	437	33	2354	5386	71319	01.01.2016
20	Odisha	3745	34	42138	11252	1239357	01.01.2016
21	Punjab	3286	300	29112	8859	97039	01.01.2017
22	Rajasthan	7616	348	72948	9578	209621	01.01.2017
23	Sikkim	254	48	647	2547	13479	01.01.2017
24	Tamil Nadu	7233	205	69030	9544	336732	01.01.2016
25	Telangana**	4123	201	38520	9343	191642	01.01.2017
26	Tripura	1021	90	3826	3748	42514	01.01.2017
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	118	23	422	3576	18348	01.01.2017
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
Total		113328	6328	1257566	11097	198730	

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

Figure 5.3: Average Population Served per Govt. Allopathic Doctors



Source: Directorate of State Health Services

5.4 State/UT wise AYUSH Registered Practitioners (Doctors) in India as on 1.1.2016

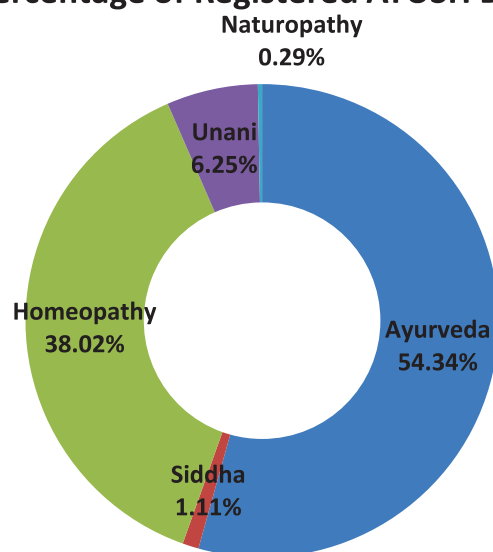
S. No.	State/UT	Ayurveda	Unani	Siddha	Naturopathy	Homeopathy	Total
1	Andhra Pradesh [^]	15921	702	0	123	5247	21993
2	Arunachal Pradesh	0	0	0	0	284	284
3	Assam [^]	954	0	0	0	1248	2202
4	Bihar	96794	7058	0	0	31717	135569
5	Chattisgarh	3234	147	0	98	1711	5190
6	Delhi	3421	2011	0	0	4692	10124
7	Goa	624	0	0	0	624	1248
8	Gujarat	25916	316	0	0	19961	46193
9	Haryana	8079	264	0	0	5561	13904
10	Himachal Pradesh	4975	0	0	0	1193	6168
11	Jammu & Kashmir	2765	2418	0	0	386	5569
12	Jharkhand	167	27	0	0	225	419
13	Karnataka	33334	1840	4	676	8849	44703
14	Kerala	22398	96	1680	177	12485	36836
15	Madhya Pradesh	45994	1637	0	15	16081	63727
16	Maharashtra	73842	6523	0	0	63076	143441
17	Manipur	0	0	0	0	0	0
18	Meghalaya	0	0	0	0	316	316
19	Mizoram	0	0	0	0	0	0
20	Nagaland	0	0	0	0	2084	2084
21	Odisha	4693	26	0	0	9425	14144
22	Punjab	10818	218	0	0	4411	15447
23	Rajasthan	9464	938	0	0	7563	17965
24	Sikkim	0	0	0	0	0	0
25	Tamil Nadu	4357	1182	6844	788	20612	33783
26	Telangana	9585	4638	0	343	4882	19448
27	Tripura	0	0	0	0	291	291
28	Uttar Pradesh	35797	12882	0	0	32641	81320
29	Uttarakhand	2664	121	0	0	726	3511
30	West Bengal	3421	5152	0	0	36851	45424
31	A&N Islands	0	0	0	0	0	0
32	Chandigarh	0	0	0	0	165	165
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
Total		419217	48196	8528	2220	293307	771468

Source : Ministry of AYUSH

Notes:

1. Ayurveda :- Figures in r/o of all states Bihar (2015) has been repeated as te 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/UTs	Total No. of Registered Nurses in India as on 31.12.2015			Pharmacists as on 15.11.2016
		A.N.M.	RN & RM	LHV	
1	Andhra Pradesh	136,237	223,456	2,480	44,458
2	Arunachal Pradesh	866	724	14	279
3	Assam	25,989	19,869	247	3,095
4	Bihar*	8,624	9,413	511	4,163
5	Chattisgarh	10,686	9,653	1,352	9,713
6	Goa	@	@	@	566
7	Gujarat	42,540	102,908	N/A	75,357
8	Haryana	24,675	28,356	694	10,562
9	Himachal Pradesh	11,528	18,082	500	3,852
10	Jharkhand	4,755	3,310	142	2,337
11	Karnataka*	54,039	231,643	6,840	50,537
12	Kerala	30,047	231,457	8,507	29,487
13	Madhya Pradesh	39,563	118,793	1,731	N/A
14	Maharashtra	58,052	115,277	572	187,829
15	Manipur	3,305	6,532	N/A	N/A
16	Meghalaya	1,491	3,967	166	647
17	Mizoram	1,963	3,175	N/A	330
18	Nagaland	N/A	N/A	N/A	1,553
19	Odisha	62,159	75,575	238	17,665
20	Punjab*	23,029	76,680	2,584	43,243
21	Rajasthan	108,688	200,171	2,732	38,156
22	Tamil Nadu	56,434	251,704	11,178	58,466
23	Tripura	2,066	2,827	148	257
24	Uttar Pradesh	48,542	52,080	2,763	30,276
25	Uttarakhand*	1,864	1,513	11	1,318
26	West Bengal	60,056	57,948	12,854	89,630
27	Dadra & Nagar Haveli	N/A	N/A	N/A	66
28	Daman & Diu	N/A	N/A	N/A	52
29	Delhi	3,949	55,724	N/A	32,079
30	Lakshadweep	N/A	N/A	N/A	3,082
31	Puducherry	N/A	N/A	N/A	2,493
	Total	821,147	1,900,837	56,264	741,548

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 @ Registration started in March 2016 is still in progress
- 5 NA: Not Available
- 6 * Last year data upto 31.12.2014

5.6 State/UT wise Health Human Resource in Rural Areas (Govt.) in India as on 31.03.2016

S. No.	India/State/UT	No. of Doctors [^] at PHCs	Total Specialists at CHCs	Health Assistants		Health Workers	
				Male	Female (LHV)	Male	Female/ANM
	India	26464	4192	15668	16480	53422	219980
1	Andhra Pradesh	1412	159	3457	3038	2505	16357
2	Arunachal Pradesh	122	4	81	6	98	330
3	Assam	932	131	106	308	2783	9146
4	Bihar	1786	40	212	95	1241	21864
5	Chattisgarh	344	61	459	576	3710	6259
6	Goa	56	5	0	9	86	150
7	Gujarat	1105	148	862	1007	7049	7265
8	Haryana	489	30	233	286	1182	4922
9	Himachal Pradesh	424	7	69	127	978	1951
10	Jammu & Kashmir	761	190	26	105	668	4369
11	Jharkhand	271	122	19	19	454	7632
12	Karnataka	2133	498	3378	1038	3378	9083
13	Kerala	1169	40	2197	13	3401	7950
14	Madhya Pradesh [#]	946	289	288	1314	4171	12471
15	Maharashtra	2927	505	1620	1800	4570	11966
16	Manipur [#]	194	3	65	59	374	923
17	Meghalaya	105	12	61	75	154	1479
18	Mizoram [*]	71	0	22	19	399	670
19	Nagaland [#]	120	8	53	24	N/A	865
20	Odisha ^{##}	959	354	0	802	3501	8142
21	Punjab	494	196	264	467	1554	4844
22	Rajasthan	2422	497	34	1106	1159	16211
23	Sikkim	26	0	1	16	101	249
24	Tamil Nadu	2751	76	1013	991	2074	7957
25	Telangana	1024	147	0	944	1432	7752
26	Tripura [#]	147	1	41	0	748	718
27	Uttar Pradesh	2209	484	954	1916	3152	27161
28	Uttarakhand	215	41	13	155	67	2062
29	West Bengal	721	125	86	121	2292	18495
30	A& N Islands	36	0	11	20	45	274
31	Chandigarh	2	14	N/A	3	2	41
32	D & N Haveli	11	0	7	0	63	109
33	Daman & Diu	7	0	2	0	17	29
34	Delhi	20	0	0	8	0	47
35	Lakshadweep	7	0	0	1	14	48
36	Puducherry	46	5	34	12	0	189

Source: Bulletin on Rural Health Statistics in India 2016, Statistics Division, Ministry of Health & Family Welfare

Notes:

* Data 2015 used for no. of Specialists

Data for 2015

Data for 2013 used for Health Assistant (Male)

^ Allopathic doctors

5.7 Human Resources in Health Sector in Railways as on 31st March, 2016

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 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	158	83	1	7	0	360	134
2	Eastern Railway	226	58	5	3	0	504	132
3	East Central Railway	123	59	1	2	0	229	99
4	East Coast Railway	72	31	0	4	1	117	55
5	Northern Railway	232	111	0	4	1	401	190
6	North Central Railway	99	44	0	2	0	126	73
7	North East Railway	117	52	3	2	0	241	80
8	North Frontier Railway	172	64	0	3	0	340	131
9	North Western Railway	113	41	0	4	4	178	107
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	143	65	1	2	1	386	91
13	South Central Railway	132	21	2	3	1	255	114
14	South Western Railway	72	33	0	2	0	121	53
15	Western Railway	120	70	3	8	0	315	164
16	West Cental Railway	23	22	0	1	0	143	77
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	3	0	1	0	11	6
22	Rail Wheel Factory	9	7	0	0	0	14	3
23	Research Design and Standards Organization	7	5	0	0	0	12	4
Total		2147	904	30	56	12	4474	1781

Source : Ministry of Railways

Notes:

- # Figures include Contract Medical Practicener 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, 2016

S. No.	State /UT	Medical Officer	Specialist	Super Specialist	Dental Surgeon*	Total No. of Nurses (RN & RM)	Total No. of Pharmacist*
1	Andhra Pradesh	169	34	18	1	373	0
2	Assam	62	11	0	1	55	4
3	Bihar	51	10	0	1	40	3
4	Chandigarh	44	14	0	1	65	9
5	Chhattisgarh	62	25	0	0	91	0
6	Delhi	675	119	0	5	653	339
7	Goa	43	14	0	0	18	0
8	Gujarat	421	78	0	2	374	12
9	Himachal Pradesh	51	17	0	0	50	6
10	Haryana	354	74	0	2	279	13
11	J & K	39	12	0	1	27	5
12	Jharkhand	90	18	0	2	89	10
13	Karnataka	402	303	0	3	541	24
14	Kerala	449	133	0	2	615	28
15	Madhya Pradesh	296	135	0	0	242	8
16	Meghalaya	2	0	0	0	4	0
17	Maharashtra	416	98	0	1	596	9
18	Nagaland	0	0	0	0	0	0
19	Odisha	108	35	0	1	106	3
20	Puducherry	28	7	0	0	42	0
21	Punjab	189	67	0	2	81	11
22	Rajasthan	204	127	0	2	459	27
23	Sikkim	4	0	0	0	4	0
24	Telangana	486	102	0	0	141	17
25	Tamil Nadu	623	65	0	3	868	19
26	Tripura	2	0	0	0	1	0
27	Uttar Pradesh	307	76	0	1	337	0
28	Uttarakhand	26	0	0	0	0	0
29	West Bengal	437	234	0	1	151	18
Total		6040	1808	18	32	6302	565

Source : Employees's State Insurance Corporation

Notes: 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 - 2016

S. No.	State/ UT	Diploma Courses										
		Dermatology, Venereology & Leprosy	Anesthesia	Child Health	Clinical pathology	Forensic medicine	Health Education	Community Medicine	Health Administration & Community Medicine	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					14	3	7
5	Chhattisgarh		1	6	1					1	2	6
6	Goa	2	4	4						4		
7	Gujarat	11	40	25	20			7	7	35	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		19	28	7	0				24	12	14
15	Maharashtra	19	92	59	33	5		2	2	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		30			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	2	41	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	2	17	17			20		6	20	9	
35	Lakshadweep	0										
36	Puducherry	3	4	7	0					6	4	8
	India	130	630	535	254	24	50	11	17	645	339	305

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 - 2016

		Diploma Courses							
S. No.	State/ UT	Oto-Rhino-laryngology	Physical Medicine & rehabilitation	Psychological medicine	Public Health	Radiotherapy	Radio-Diagnosis	Sports Medicine	TB & Chest Diseases
1	Andhra Pradesh	12		9	5	0	19		9
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	2		
12	Karnataka	47		21	7	5	45		5
13	Kerala	14	6	11	3	1	10		8
14	Madhya Pradesh	10					7		2
15	Maharashtra	20		20	30	1	47		6
16	Manipur								
17	Meghalaya								
18	Mizoram								
19	Nagaland								
20	Odisha						0		
21	Punjab	1				1	4	6	0
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	0	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	5	0			0	9		10
35	Lakshadweep								
36	Puducherry	1		1	0		2		1
	India	209	10	135	90	25	279	6	94

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 - 2016

S. No.	State/ UT	MD / MS Courses										
		Anaesthesiology	Aviation Medicine/ Aerospace Medicine	Bio-Chemistry	Dermatology, Venereology & Leprosy	Forensic Medicine/ Forensic Toxicology	General Medicine	Hospital Administration & Community Health Administration	Immuno Hematology & Blood transfusion	Microbiology	Paediatrics	
1	Andhra Pradesh	102		39	42	20	160	6	1	51	74	
2	Arunachal Pradesh											
3	Assam	16		16	7	10	36			18	14	
4	Bihar	24		16	11	8	51			23	27	
5	Chhattisgarh	4		4		2	12				4	
6	Goa	4		4	3	5	5			3	3	
7	Gujarat	134		21	30	23	138		7	46	70	
8	Haryana	20		20	6	15	32			9	11	
9	Himachal Pradesh	21		1	6	3	19			6	11	
10	Jammu & Kashmir	24			4		51	4	2	7	12	
11	Jharkhand	4		5	3	3	15			6	6	
12	Karnataka	202	17	97	92	70	331	8	2	118	171	
13	Kerala	67		22	33	15	103		5	32	56	
14	Madhya Pradesh	44		15	13	11	83			18	43	
15	Maharashtra	236		55	59	37	304	8	9	106	166	
16	Manipur	10		9	4	5	16			6	5	
17	Meghalaya	4					2			3		
18	Mizoram											
19	Nagaland											
20	Odisha	39		15	10	14	56		2	20	43	
21	Punjab	35		19	17	11	65		4	24	27	
22	Rajasthan	100		19	27	14	118		4	35	72	
23	Sikkim			2			2			2	2	
24	Tamil Nadu	140		54	51	12	236		12	81	108	
25	Telangana	83		38	35	22	123	5		41	61	
26	Tripura	2				1	6			1	1	
27	Uttarakhand	11		6	2	2	19			8	7	
28	Uttar Pradesh	114		24	27	19	142		3	42	78	
29	West Bengal	75		29	20	19	98		2	25	66	
30	A & N Islands											
31	Chandigarh	44		3	12	3	56		3	14	40	
32	D & N Haveli											
33	Daman & Diu											
34	Delhi	100		36	39	28	161	10		55	81	
35	Lakshadweep											
36	Puducherry	36		20	20	9	51		4	23	37	
	India	1695	17	589	573	381	2491	41	60	823	1296	

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 - 2016

		MD / MS Courses										
S. No.	State/ UT	Physical Medicine & Rehabilitation	Physiology	Psychiatry	Radiodiagnosis/ Radiology	Radiotherapy	Social & Preventive Medicine/ Community Medicine	TB & Respiratory Diseases/ Pulmonary Medicine	Anatomy	Obstetrics & Gynaecology	Ophthalmology	Emergency Medicine
1	Andhra Pradesh		37	27	47	4	41	37	37	87	63	6
2	Arunachal Pradesh											
3	Assam		18	12	17	3	13	2	18	24	17	2
4	Bihar	2	29	1	11	0	16		26	20	22	
5	Chhattisgarh		2		7	1	4		4	5	6	
6	Goa		5	2	2		5	4	4	5	5	
7	Gujarat		52	25	67	5	62	25	53	84	55	7
8	Haryana		19	4	15	6	24	6	15	15	10	
9	Himachal Pradesh		2	3	8	4	6	2	4	12	8	
10	Jammu & Kashmir		8	3	9	5	13		5	21	16	
11	Jharkhand		9	10	0		5		7	9	6	
12	Karnataka	2	113	67	130	21	116	21	116	163	108	15
13	Kerala	8	33	32	45	20	35	18	28	57	41	8
14	Madhya Pradesh		19	9	23	13	35	10	21	49	33	
15	Maharashtra	2	89	52	116	20	124	47	94	198	104	7
16	Manipur	4	10	3	2	4	8	2	8	13	5	
17	Meghalaya				2				2	0		
18	Mizoram											
19	Nagaland											
20	Odisha		22	5	12	5	27	10	19	42	22	
21	Punjab		24	11	28	7	23	12	27	29	18	
22	Rajasthan	4	30	24	39	9	29	34	29	86	31	
23	Sikkim		3	3			2			2		
24	Tamil Nadu	7	67	52	65	14	66	25	52	122	73	4
25	Telangana		32	24	51	8	28	34	41	68	43	2
26	Tripura			1	2		3			2	2	
27	Uttarakhand		8	2	8	3	7	2	9	8	8	
28	Uttar Pradesh	2	55	25	43	21	71	32	51	91	68	
29	West Bengal	4	29	18	24	20	31	18	32	95	32	
30	A & N Islands											
31	Chandigarh			15	22	4	1	4	3	29	16	
32	D & N Haveli											
33	Daman & Diu											
34	Delhi	17	44	45	61	18	40	7	44	111	149	14
35	Lakshadweep											
36	Puducherry		20	11	30	9	21	8	18	37	19	8
	India	52	779	486	886	224	856	360	767	1484	980	73

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 - 2016

MD / MS Courses

S. No.	State/ UT	Pathology	Pharmacology	Nuclear Medicine	Sports Medicine	Transfusion Medicine	ENT	General Surgery	Orthopaedics
1	Andhra Pradesh	55	43	2		0	43	145	73
2	Arunachal Pradesh								
3	Assam	21	14				12	37	12
4	Bihar	21	29				17	48	17
5	Chhattisgarh	4	2				2	9	2
6	Goa	3	6				4	6	3
7	Gujarat	98	55				31	133	62
8	Haryana	30	16				8	35	15
9	Himachal Pradesh	7	5				6	19	8
10	Jammu & Kashmir	18	5				12	50	17
11	Jharkhand	11	10				4	16	3
12	Karnataka	187	127			1	94	261	135
13	Kerala	60	30	1		1	32	88	40
14	Madhya Pradesh	46	18				22	80	30
15	Maharashtra	202	107	4	2		70	273	138
16	Manipur	8	6			2	6	16	7
17	Meghalaya	3						2	
18	Mizoram								
19	Nagaland								
20	Odisha	32	21			2	12	57	16
21	Punjab	40	25		1		19	61	33
22	Rajasthan	56	15			2	26	97	56
23	Sikkim		2				2		
24	Tamil Nadu	106	51	1	2		52	225	109
25	Telangana	65	35			1	33	112	64
26	Tripura	1	1				3	2	2
27	Uttarakhand	12	7				5	16	6
28	Uttar Pradesh	108	52	2			38	146	58
29	West Bengal	61	21				25	97	35
30	A & N Islands								
31	Chandigarh	25	8			3	12	61	23
32	D & N Haveli								
33	Daman & Diu								
34	Delhi	83	31	16	4		46	132	63
35	Lakshadweep								
36	Puducherry	21	23	3			19	49	24
	India	1384	765	29	9	12	655	2273	1051

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 - 2016

		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	11	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	15			1		4	4	10		6
8	Haryana										
9	Himachal Pradesh	2									
10	Jammu & Kashmir	3		4	3			2	2		
11	Jharkhand										
12	Karnataka	34		6	7	1	9	28	10	1	9
13	Kerala	34		5	13	2	10	20	5	2	2
14	Madhya Pradesh				2		1	2	2		
15	Maharashtra	27	4	5	11	4	8	5	14	4	3
16	Manipur										
17	Meghalaya	2									
18	Mizoram										
19	Nagaland										
20	Odisha	8		2	3		3	2			
21	Punjab	5			3		3	3			
22	Rajasthan	16		1	9		5	13			
23	Sikkim										
24	Tamil Nadu	34		4	23	13	19	33	10		
25	Telangana	17	5	4	7	1	10	16	3		
26	Tripura										
27	Uttarakhand										
28	Uttar Pradesh	24		7	9		8	15			
29	West Bengal	22	2	10	5	2	6	13			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	13	9	15	49	27		18
35	Lakshadweep										
36	Puducherry	5	1	2		2	2	2	2		
	India	315	24	78	118	39	120	219	89	7	43

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 - 2016

		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 / G I Surgery	Surgical Oncology	Thoracic Surgery	Urology/ Genito Urinary Surgery	Vascular Surgery	Paeditric Surgery
1	Andhra Pradesh		0	5	2		13	4	3	2		11		4
2	Arunachal Pradesh													
3	Assam			2			2	2		1		2		2
4	Bihar							1				2		
5	Chhattisgarh													
6	Goa						2							
7	Gujarat				8		9	17	1	10		4		5
8	Haryana				2			1				1		2
9	Himachal Pradesh				2									
10	Jammu & Kashmir				5		2	2				1		2
11	Jharkhand						1							
12	Karnataka	1		13	4		24	13	2	11		32	2	14
13	Kerala	3	2	1	6		20	5	5	6	6	18		14
14	Madhya Pradesh						3			2		1		2
15	Maharashtra			3	8		17	22		16	10	20		13
16	Manipur											2		
17	Meghalaya													
18	Mizoram													
19	Nagaland													
20	Odisha				1		4	3				4		2
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	9	18	30	7	23
25	Telangana		3	11	1		16	16	1	3		14		9
26	Tripura													
27	Uttarakhand													
28	Uttar Pradesh		2	3	6	4	12	9	8	4		12		4
29	West Bengal		2	12	6		11	14	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	17			44		32	10	18	15		12		21
35	Lakshadweep													
36	Puducherry				4		3	3	2	2		7		2
	India	25	14	80	104	7	227	174	51	81	34	210	9	148

Source: Medical Council of India

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

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