

## 5. HUMAN RESOURCES IN HEALTH SECTOR

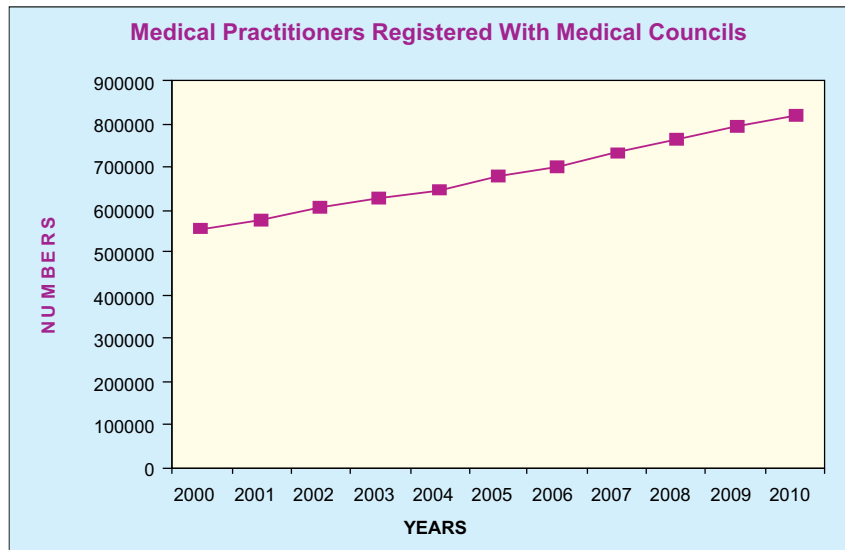
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## 5. Human Resources in Health Sector

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

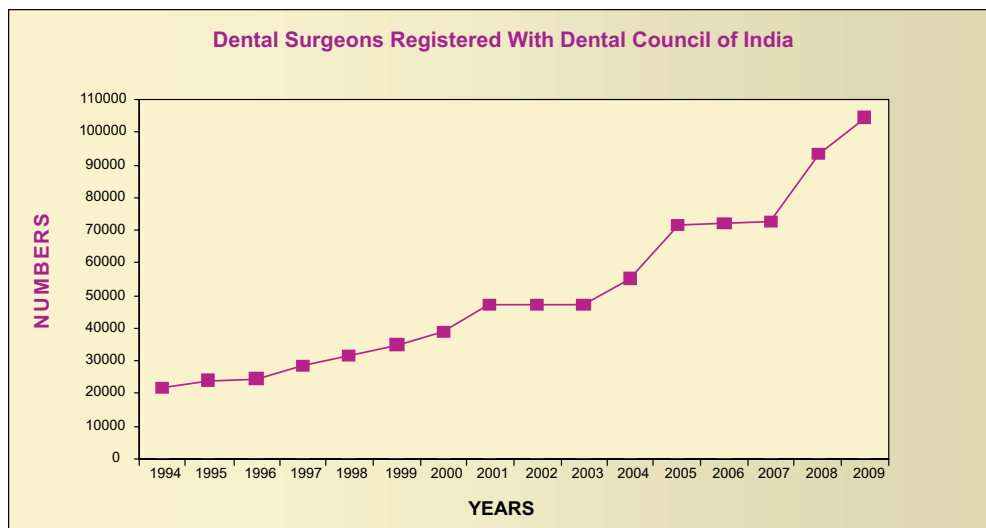
Human Resource indicators cover the details of allopathic doctors, dental surgeons, AYUSH doctors, nursing personnel and various paramedical health manpower in the country.

- Number of allopathic doctors possessing recognized medical qualifications (under MCI act) and registered with state medical councils for the years 2009 and 2010 were 793305 and 816629 respectively.



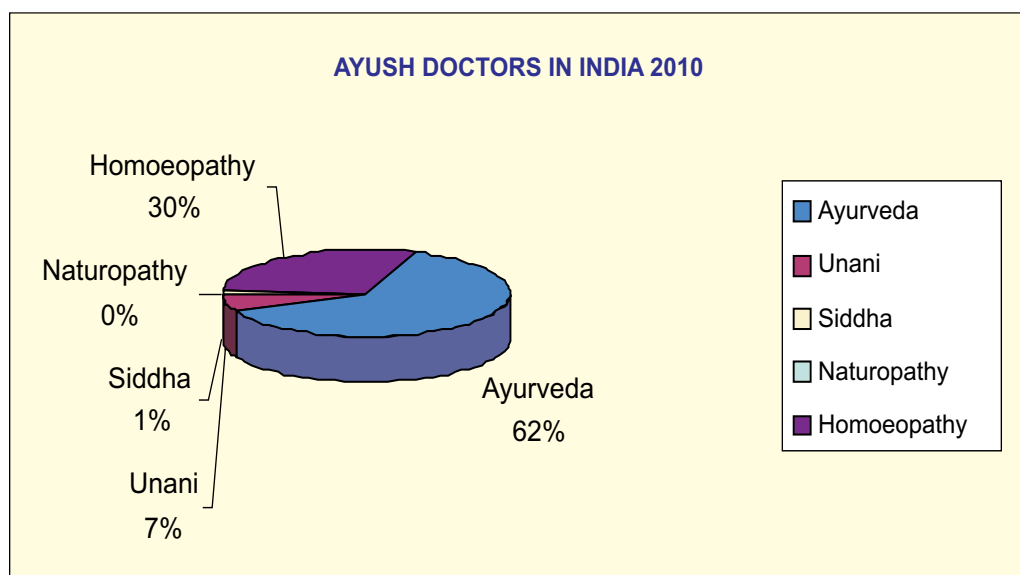
Source: Medical Council of India

- Number of Dental Surgeon Registered with Central/State Dental Councils of India upto 31.12.2009 were 104603.



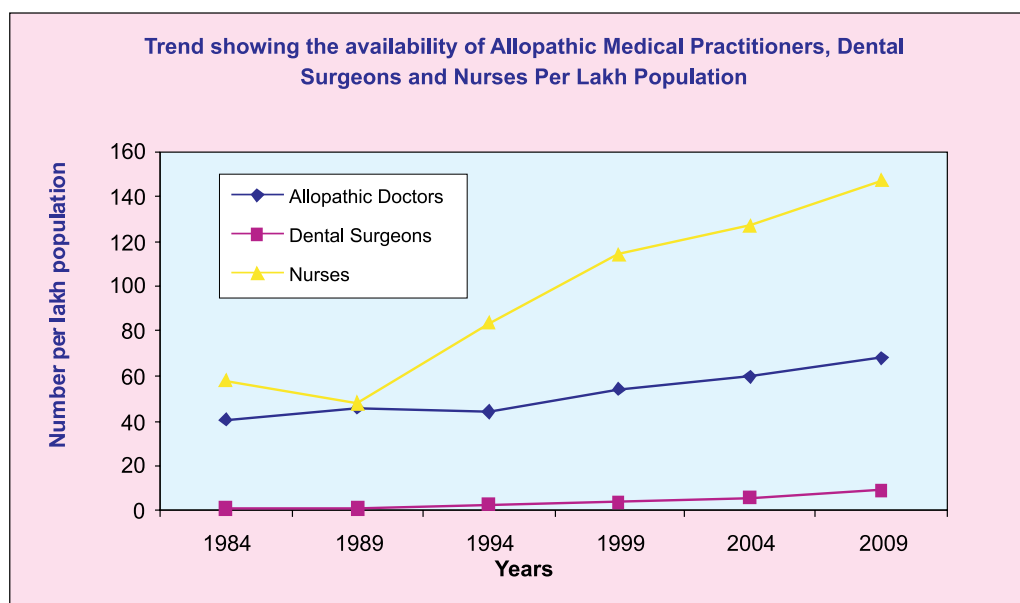
Source: Dental Council of India

- Total number of registered AYUSH Doctors in India as on 01.01.2010 was 752254



Source: Department of AYUSH, MOHFW, GOI

- There is an increase in the availability of Allopathic Medical Practitioners, Dental Surgeon and Nurses per Lakh Population over the years.



Source: On the basis of data received from Medical Council of India, Dental Council of India & Indian Nursing Council.

- CBHI has conducted a case study on "Managing Human Resource in Health in India". The report is available on the CBHI website.

### 5.1 State/UT wise Number of Allopathic Doctors with Recognised Medical Qualifications (Under IMC Act) and Registered with State Medical Councils 2005-2010

S.No.	State Medical Councils	2005@@	2006@@	2007@@	2008@@	2009@@	2010@@
	1	2	3	4	5	6	7
1	Andhra Pradesh	49932	51973	55566	58314	62349	62349**
2	Arunachal Pradesh	0	0	143	205	272	325*
3	Assam	16581	16980	17436	17904	18494	19116*
4	Madhya Pradesh	22309	23094	24004	24958	25662	26589*
5	Bihar	33579	34235	35081	35943	36559	37233*
6	Chattisgarh	470	657	1252	2083	2746	3156*
7	Goa	2296	2391	2501	2605	2716	2818*
8	Gujarat	38776	40366	41877	43419	45058	46439*
9	Haryana	1806	2087	3272	3811	4132	4132**
10	Himachal Pradesh	1	134	269	432	705	847*
11	Jammu & Kashmir	8683	9349	9908	10314	10906	11240*
12	Jharkhand	599	802	1000	1691	2933	3081*
13	Karnataka	69710	72531	75841	79456	83177	87320*
14	Traven core-Cochin	33025	33947	35109	36344	37835	39180*
15	Maharashtra	118814	122729	126989	130977	134859	137824*
16	Orissa	15216	15570	16008	16339	16734	16786*
17	Punjab	34355	35585	36550	37391	38434	38434**
18	Rajasthan	22861	24192	25301	26457	27654	28513*
19	Sikkim	0	0	277	461	558	603*
20	Tamilnadu	73881	76085	78574	81533	84525	86822*
21	Uttar Pradesh	48810	50468	51978	53389	55355	57944*
22	Uttaranchal	404	668	1240	2750	3085	3334*
23	West Bengal	54134	55009	56029	57022	58059	58872*
24	MCI Delhi	26164	28153	30840	32581	34655	36999*
25	Delhi	2969	3694	7550	8206	8999	9829*
	<b>Total</b>	<b>675375</b>	<b>700699</b>	<b>731439</b>	<b>761429</b>	<b>793305</b>	<b>816629</b>

Notes:

\* Incomplete Information Received.

\*\* Information not received

@@ Revised figures

Source: Medical Council of India

## 5.2 Number of Dental Surgeons Registered With Central/State Dental Councils of India 1994- 2009

S.No.	Year	Dental Surgeons Registered
	1	2
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 (Upto 31.12.2009)

Source: Dental Council of India

### 5.2.1 State/UT wise Dental surgeons Registered under Central / State Dental Councils of India - 2004-2009

S.No.	State/UT	2004	2006	2007	2008	2009
1	Andhra Pradesh	2541	3726	1793	6457	6510
2	Assam	762	843	766	805	944
3	Bihar	1032	2396	1436	2807	2807
4	Chandigarh	107	NA	570	596	671
5	Chattisgarh	NA	85	85	194	407
6	Delhi	1030	3848	4909	5720	6280
7	Goa	417	580	602	661	687
8	Gujarat	1453	2558	2558	1745	2684
9	Haryana	1648	1723	2243	1358	1740
10	Himachal Pradesh	469	406	406	662	772
11	Jammu & Kashmir	536	1090	1090	1090	1090
12	Karnataka	16058	19757	21713	23699	25612
13	Kerala	4844	5735	5968	5918	6655
14	Madhya Pradesh	1246	1643	1361	1776	2002
15	Maharashtra	10092	6857	6857	16636	18159
16	Orissa	307	463	490	432	537
17	Punjab	4159	3953	4098	4691	6996
18	Rajasthan	0	364	364	364	364
19	Tamil Nadu	5109	9876	9482	10324	11385
20	Uttar Pradesh	1763	4173	4533	5572	5572
21	Uttaranchal	NA	NA	NA	NA	451
21	Andaman & Nicobar	7	NA	NA	NA	NA
22	Pondicherry	225	NA	NA	NA	224
23	West Bengal	1539	1957	1733	1825	2054
	<b>Total</b>	<b>55344</b>	<b>72033</b>	<b>73057</b>	<b>93332</b>	<b>104603</b>

Note

- Data as on 31st December of concerned year

Source: Dental Council of India

### 5.3 State/UT wise Number of Government Allopathic Doctors and Dental Surgeons & Average Population Served in India 2010(Provisional)

S.No	States/ UT	No. of Govt. Doctors	No. of Govt. Dental Surgeons	Projected Population as on reference period in thousand	Average Population Served/Govt. Doctor	Average Population Served /Govt. Dental Surgeon	Reference Period
	1	2	3	4	5	6	7
1	Andhra Pradesh	4487	131	80712	17988	616122	01.01.2007
2	Arunachal Pradesh	445	40	1198	2692	29950	01.01.2009
3	Assam	3844	89	30191	7854	339225	01.01.2011
4	Bihar	3979	26	92208	23174	3546461	01.01.2008
5	Chhatisgarh	1171	16	22934	19585	1433375	01.02.2008
6	Goa	351	19	1714	4883	90210	01.01.2011
7	Gujarat	2282	40	57434	25168	1435850	01.01.2010
8	Haryana	2191	399	24597	11226	61647	01.01.2010
9	Himachal Pradesh	NA	272	5988	NA	22015	01.01.2000
10	Jammu & Kashmir	2185	257	11257	5152	43801	01.01.2009
11	Jharkhand	1701	40	29745	17486	743625	01.01.2008
12	Karnataka	4928	349	58804	11933	16849	01.01.2011
13	Kerala	4861	105	34317	7060	326829	01.01.2011
14	Madhya Pradesh	3662	NA	67569	18451	NA	01.01.2008
15	Maharashtra	4528	54	111118	24540	2057741	01.01.2011
16	Manipur	584	35	2364	4048	67543	01.01.2009
17	Meghalaya	504	52	2560	5079	49231	01.01.2010
18	Mizoram	298	28	993	3332	35464	01.01.2011
19	Nagaland	327	27	2223	6798	82333	01.01.2011
20	Orissa	4258	16	40389	9485	2524312	01.01.2011
21	Punjab	3545	230	25724	7256	111843	01.04.2005
22	Rajasthan	6285	107	64534	10268	603121	01.01.2009
23	Sikkim	373	35	605	1622	17286	01.01.2011
24	Tamil Nadu	2676	100	67012	25042	670120	01.01.2011
25	Tripura	737	102	3574	4849	35039	01.01.2011
27	Uttar Pradesh	10164	278	197271	19409	709608	01.01.2011
26	Uttarakhand	1121	70	9800	8742	140000	01.01.2011
28	West Bengal	9426	390	88669	9407	227356	01.01.2011
29	A & N Islands	110	6	480	4364	80000	01.01.2011
30	Chandigarh	117	15	1368	11692	91200	01.01.2011
31	D & N Haveli	71	8	337	4746	42125	01.01.2011
32	Daman & Diu	38	4	248	6526	62000	01.01.2010
33	Delhi	3629	71	14273	3933	201028	01.01.2003
34	Lakshadweep	23	1	73	3174	73000	01.01.2008
35	Puducherry	353	9	1331	3771	147889	01.01.2011
	<b>Total</b>	<b>85254</b>	<b>3421</b>	<b>1153614</b>	<b>13531</b>	<b>33722</b>	

Notes:

- NA - Not Available

Source: Directorates of State Health Services

#### 5.4 State/UT wise Number of Registered AYUSH Doctors in India as on 1.1.2010

S.No.	State/UT	Ayurveda	Unani	Siddha	Naturopathy	Homoeopathy	Total
1	2	3	4	5	6	7	8
1	Andhra Pradesh	15582	5247	-	476	9364	30669
2	Arunachal Pradesh\$	-	-	-	-	130	130
3	Assam	622	-	-	-	1032	1654
4	Bihar\$	133327	4378	-	-	28963	166668
5	Chattisgarh	1717	60	-	37	751	2565
6	Delhi	3488	1864	-	-	3667	9019
7	Goa	440	264	-	-	436	1140
8	Gujarat	22587	281	-	-	11965	34833
9	Haryana	19618	2216	-	-	5344	27178
10	Himachal Pradesh\$	7236	456	-	-	1189	8881
11	Jammu & Kashmir	991	1565	-	-	111	2667
12	Jharkhand	24608	1754	-	-	0	26362
13	Karnataka	25246	1487	4	258	6546	33541
14	Kerala	10527*	19*	226*	-	8749#	19521
15	Madhya Pradesh	50046	1171	-	7	11727	62951
16	Maharashtra	54278	4654	-	-	50262	109194
17	Meghalaya	-	-	-	-	252	252
18	Nagaland	-	-	-	-	0	0
19	Orissa\$	4448	17	-	-	3835	8300
20	Punjab	5666**	185**	-	-	2720*	8571
21	Rajasthan	24759	1772	-	-	5073	31604
22	Sikkim	3	-	-	2	0	5
23	Tamil Nadu	3825	1067	5547	469	3397*	14305
24	Tripura\$	-	-	-	-	150	150
25	Uttar Pradesh	53735	16967	-	-	29630	100332
26	Uttrakhand	2060	91	-	-	0	2151
27	West Bengal	3451	4934#	-	-	41079	49464
28	Chandigarh	-	-	-	-	147	147
	<b>Total</b>	<b>468260</b>	<b>50449</b>	<b>5777</b>	<b>1249</b>	<b>226519</b>	<b>752254</b>

Source : Department of AYUSH, MOH&FW/GOI

Note : Data as on 1.1.2010 (Provisional)

\* : Contains only number of "Institutionally qualified" registered practitioners.

\*\* : Figures in Punjab have been reduced by Board of Ay. & Unani System of Medicine Punjab.

# : Under Clarification with State Government.

\$ : Old figures have been repeated

## 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 31.12.2009			Pharmacists as on 31.12.2010
		A.N.M.	G.N.M.	LHV	
1		2	3	4	5
1	Andhra Pradesh	112,269	136,477	2,480	43,958
2	Arunachal Pradesh	NA	NA	NA	347
3	Assam	19,685	NA	118	2,429
4	Bhopal	NA	NA	NA	1,381
5	Bihar*	7,501	NA	511	4,163
6	Chattisgarh*	1,900	NA	1,352	NA
7	Delhi	2,160	NA	NA	22,010
8	Goa	NA	NA	NA	466
9	Gujarat	36,427	88,258	NA	20,948
10	Haryana*	13,727	17,821	694	7,249
11	Himachal Pradesh*	10,152	8,550	491	2,818
12	Jharkhand*	3,405	1,998	137	NA
13	Karnataka	48,509	136,421	6,839	79,508
14	Kerala*	28,378	85,624	7,897	17,634
15	Lakshdweep	NA	NA	NA	3,082
16	Madhya Pradesh	27,566	96,574	1,542	NA
17	Maharashtra	33,158	93,032	566	106,220
18	Meghalaya	783	1,938	105	269
19	Manipur	217	635	NA	NA
20	Mizoram	1,680	1,956	NA	398
21	Nagaland	NA	NA	NA	1,553
22	Orissa	49,170	63,167	238	14,312
23	Pondicherry	NA	NA	NA	1,716
24	Punjab*	18,152	45,801	2,584	35,290
25	Rajasthan*	22,239	37,667	850	18,214
26	Tamil Nadu	54,124	186,972	11,111	151,973
27	Tripura	1,010	1,143	148	257
28	Uttar Pradesh	27,328	21,042	2,763	30,276
29	Uttarakhand*	700	92	11	NA
30	West Bengal*	56,302	48,470	11,938	89,630
	<b>Total</b>	<b>576,542</b>	<b>1,073,638</b>	<b>52,375</b>	<b>656,101</b>

Note:

- 1- Assam = Assam+Arunachal Pradesh+Manipur+Nagaland
- 2- Maharashtra = Maharashtra+Goa
- 3- Punjab = Punjab +J &K
- 4- Tamil Nadu = Tamilnadu + Andaman & Nicobar Islands +Puducherry
- 5- West Bengal = West Bengal+Sikkim

\* Last year data for registered nurses in India

NA : Not available

ANM: Auxiliary Nurse Midwives

GNM : General Nursing and Midwife

LHV: Lady Health Visitors

Source: Indian Nursing Council, Pharmacy Council of India

## 5.6 State/UT wise Health Manpower in Rural Areas (Govt.) in India as on March, 2009 (Latest)

S. No.	India/States /UTs	No. of Doctors at PHCs	Total Specialists <sup>1</sup> at CHCs	Health Assistants		Health Workers	
				Male	Female (LHV)	Male	Female/ANM2
	1	2	3	4	5	6	7
	<b>India</b>	<b>23982</b>	<b>5789</b>	<b>16083</b>	<b>18168</b>	<b>57439</b>	<b>190919</b>
1	Andhra Pradesh	2214	480	1920	1564	6127	22140
2	Arunachal Pradesh	87	9	0	0	156	256
3	Assam	344	142	N.A.	N.A.	359	8875
4	Bihar	1565	104	634	479	1074	9127
5	Chattisgarh	1100	145	114	749	2531	5051
6	Goa	44	14	0	19	135	251
7	Gujarat	1019	76	758	875	4884	6431
8	Haryana	427	79	66	500	1675	4885
9	Himachal Pradesh	361	0	50	101	1245	1725
10	Jammu & Kashmir	550	138	74	66	459	1959
11	Jharkhand	1678	341	660	N.A.	1922	6435
12	Karnataka	3146	691	658	907	3762	8028
13	Kerala	1063	794	544	695	2654	5320
14	Madhya Pradesh	541	245	118	355	3545	13282
15	Maharashtra	2065	438	3565	3235	9905	18926
16	Manipur	117	2	63	70	420	1045
17	Meghalaya	128	4	87	75	84	611
18	Mizoram	51	0	54	48	398	428
19	Nagaland	144	2	15	31	241	822
20	Orissa	866	371	41	888	1545	6918
21	Punjab	349	254	450	366	2004	4932
22	Rajasthan	1523	598	714	1358	2528	15995
23	Sikkim	51	7	1	24	133	314
24	Tamil Nadu	1271	0	308	1514	3053	9784
25	Tripura	109	4	28	17	282	432
26	Uttarakhand	126	39	72	340	76	2163
27	Uttar Pradesh	2001	618	4294	3509	2097	21024
28	West Bengal	932	175	784	334	4081	13180
29	A& N Islands	37	0	0	6	22	224
30	Chandigarh	0	13	0	0	4	30
31	D & N Haveli	6	0	0	2	9	60
32	Daman & Diu	6	1	2	4	16	46
33	Delhi	18	0	4	28	0	82
34	Lakshadweep	6	0	0	0	13	14
35	Puducherry	37	5	5	9	0	124

### Notes:

- 1 Total Specialists include Surgeons, OB & GY, Physicians & Pediatricians
  - 2 At Sub Centres and PHCs
- Data as on March, 2009
  - NA : Not Available

Source: Bulletin on Rural Health Statistics in India 2009, MOHFW

## 5.7 Total Population of India served per National Councils Registered Doctor / Dental Surgeon / Nurse/Pharmacist

S. No.	National Councils Registered (Latest)	Population Served per Doctor/Dental surgeon/ AYUSH/ Nurse/Phamacist*
1	Per Doctor both Allopathic and AYUSH	750.05
1.1	Alopathic Doctor	1440.97
1.2	AYUSH Doctor	1543.11
2	Dental Surgeon	11249.60
3	Nurse	690.72
4	Pharmacist	1793.54

\*Note- (i) Projected Population of India as on 1st March 2010 (Table No. 1.1.2, Chapter-1 )

(ii) Total No. of Councils registered Doctors / Nurses/ Pharmacists (Latest) as provided by respective National Councils during 2010 (Chapter-5)

Source: Medical Council of India , Dental Council of India , AYUSH , Indian Nursing Council, Pharmacy Council of India

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