

5. HUMAN RESOURCES IN HEALTH SECTOR

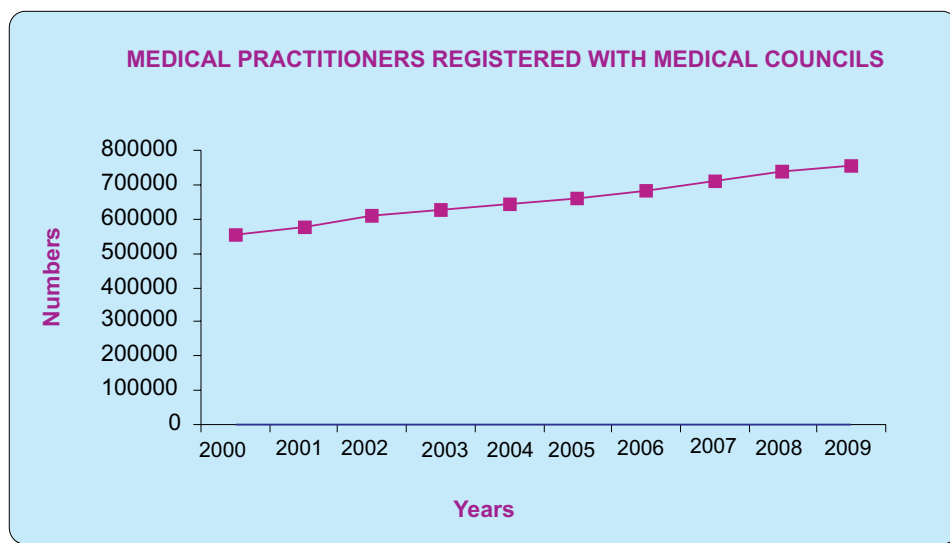
		Page No.
	Summary	144-145
5.	Human Resources in Health Sector	
5.1	State/UT wise Number of Allopathic Doctors with Recognised Medical Qualifications (Under I.M.C Act) and Registered with State Medical Councils 2005-2009	146
5.2	Number of Dental Surgeons Registered with Central/State Dental Councils of India 1994-2008	147
5.2.1	State/UT wise Dental surgeons Registered under Central / State Dental Councils of India 2004 - 2008	148
5.3	State/UT wise Number of Government Allopathic Doctors and Dental Surgeons & Average Population Served in India 2009	149
5.4	State/UT wise Number of Registered AYUSH Doctors in India as on 1.1.2009	150
5.5	State/UT wise Number of Registered Nurses & Pharmacists in India	151
5.6	State/UT wise Health Manpower in Rural Areas (Govt.) in India as on March 2008	152
5.7	Total Population of India Served per National Councils Registered Doctor/ Dental Surgeon / Nurse/ Pharmacist	153

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.

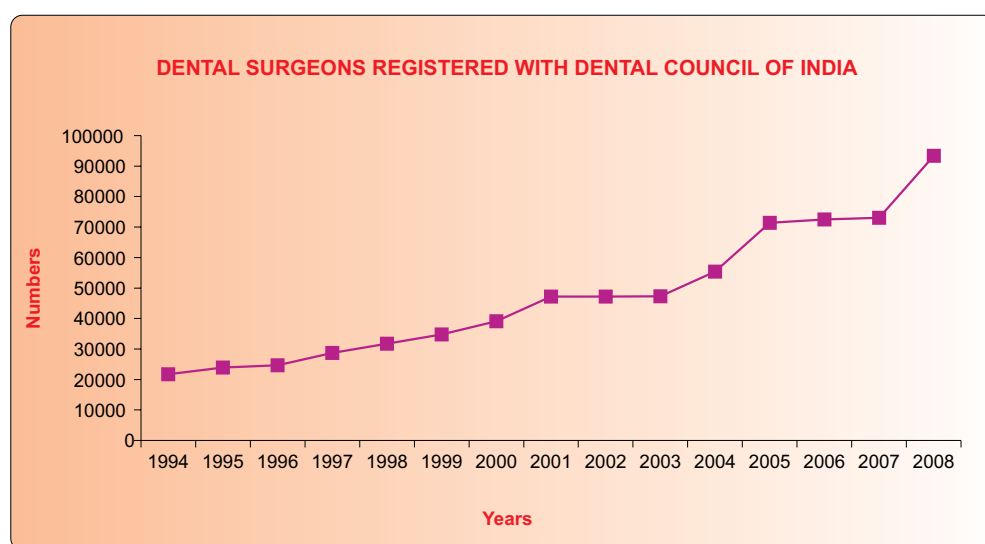
Human Resource indicators cover the details of allopathic doctors, dental surgeons, AYUSH doctors, nursing personnel and various paramedical health manpower in the country.

- Number of allopathic doctors possessing recognized medical qualifications (under IMC act) and registered with state medical councils for the years 2008 and 2009 were 736743 and 757377, respectively



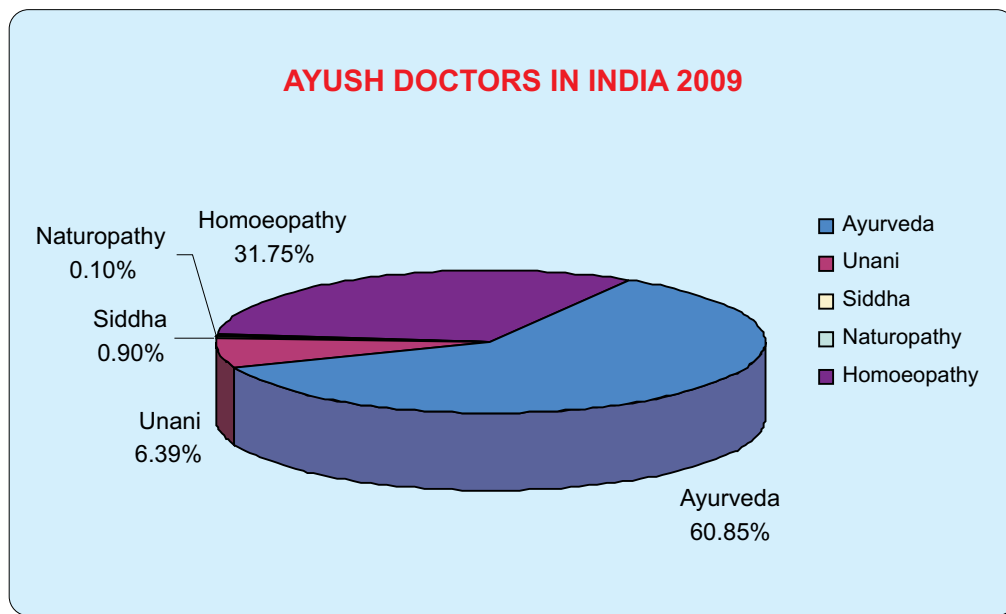
Source: Medical Council of India

- Number of Dental Surgeon Registered with Central/State Dental Councils of India upto 31.12.2008 were 93332.



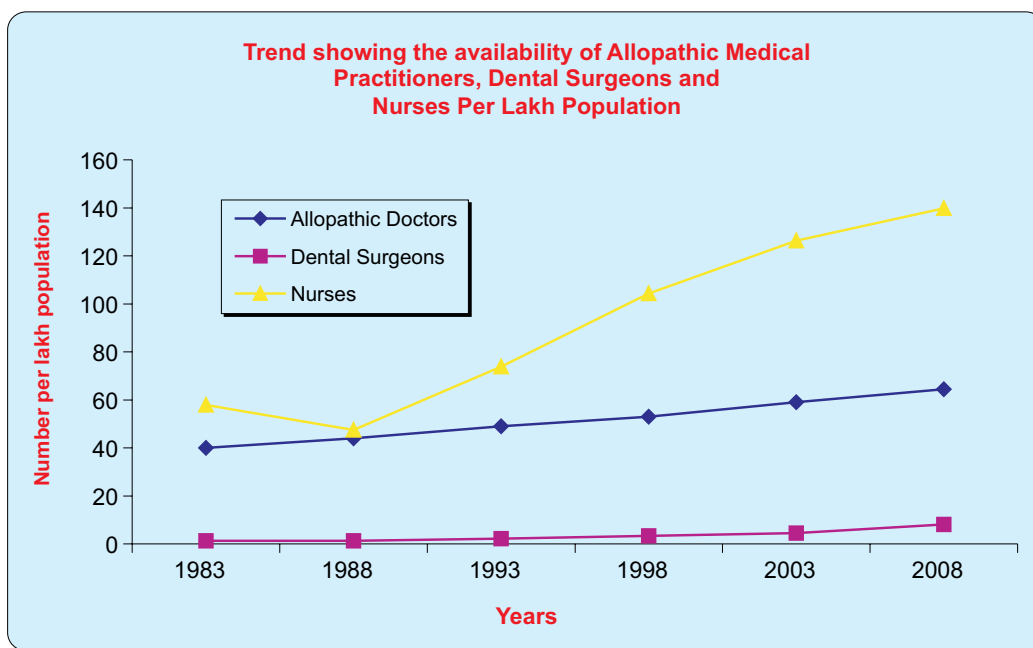
Source: Dental Council of India

- Total number of registered AYUSH Doctors in India as on 01.01.2009 was 761673



Source: Department of AYUSH, MOHFW, GOI

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



Source: Department of AYUSH, MOHFW, GOI

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

5.1 State/UT wise Number of Allopathic Doctors with Recognised Medical Qualifications (Under IMC Act) and Registered with State Medical Councils 2005-2009

S. No.	State Medical Councils	2005	2006	2007	2008	2009
	1	2	3	4	5	6
1	Andhra Pradesh	48649	50790	54382	57134	57134**
2	Arunachal Pradesh			143	205	253
3	Assam	16401	16800	17256	17724	18244
4	Bhopal	29649	30430	31336	32267	32969
5	Bihar	35510	36165	37028	37890	38377*
6	Chattisgarh	470	654	1261	2089	2683
7	Goa	2469	2564	2674	2778	2778**
8	Gujarat	38642	40230	41739	43282	44614
9	Haryana	1380	1661	2845	3437	3758*
10	Himachal Pradesh	123	256	390	553	615*
11	Jammu & Kashmir	8557	9222	9781	10186	10623
12	Jharkhand	553	756	955	1646	2740
13	Karnataka	68987	71809	75116	78730	82055
14	Traven core-Cochin	34561	35477	36673	38009	38009**
15	Maharashtra	96560	96560@	96560@	100550	103975
16	Orissa	15219	15573	16011	16344	16396*
17	Punjab	34967	36100	37084	38021	38021**
18	Rajashthan	23459	24789	25894	27051	28013
19	Sikkim			277	457	542
20	Tamilnadu	73211	75415	77904	80860	83242
21	Uttar Pradesh	47871	49527	51036	52447	53794
22	West Bengal	53521	54513	55538	56533	57474
23	MCI Delhi	27347	29319	32003	33742	35520
24	Delhi	2750	3470	4157	4808	5548
	Total	660856	682080	708043	736743@@	757377

Notes:

- * Incomplete Information Received.
- ** Information not received
- @ Information not received for the cocerned year
- @@ Revised figures

Source: Medical Council of India

5.2 Number of Dental Surgeons Registered With Central/State Dental Councils of India 1994- 2008

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 (Upto 31.12.2008)

Source: Dental Council of India

5.2.1 State/UT wise Dental surgeons Registered under Central / State Dental Councils of India - 2004-2008

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

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 2009(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	2103	20	27478	13066	1373900	01.01.2004
4	Bihar	3979	26	92208	23174	3546461	01.01.2008
5	Chhatisgarh	1171	16	22934	19585	1433375	01.02.2008
6	Goa	939	59	1655	1763	28051	01.01.2010
7	Gujarat	2282	40	57434	25168	1435850	01.01.2010
8	Haryana	1836	419	24171	13165	57687	01.01.2009
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	5083	349	58181	11446	166708	01.01.2010
13	Kerala	3806	69	34063	8950	493667	01.01.2010
14	Madhya Pradesh	3662	NA	67569	18451	NA	01.01.2008
15	Maharashtra	4520	55	109553	24237	199187	01.01.2010
16	Manipur	584	35	2364	4048	67543	01.01.2009
17	Meghalaya	504	52	2560	5079	49231	01.01.2010
18	Mizoram	380	26	970	2553	37307	01.01.2009
19	Nagaland	314	24	2171	6914	90458	01.01.2009
20	Orissa	5079	16	39655	7808	2478437	01.01.2009
21	Punjab	3545	230	25724	7256	111843	01.04.2005
22	Rajasthan	6285	107	64534	10268	603121	01.01.2009
23	Sikkim	222	22	598	2694	27182	01.01.2010
24	Tamil Nadu	7107	166	65629	9234	395355	01.01.2008
25	Tripura	716	47	3532	4933	75149	01.01.2010
26	Uttar Pradesh	6766	NA	162289	23986	NA	01.01.2000
27	Uttarakhand	1135	44	9656	8507	219455	01.01.2010
28	West Bengal	8825	391	87839	9953	224652	01.01.2010
29	A & N Islands	119	6	465	3908	77500	01.01.2010
30	Chandigarh	672	27	1161	1728	43000	01.01.2008
31	D & N Haveli	65	7	318	4892	45429	01.01.2010
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	362	7	1267	3500	181000	01.01.2010
Total		84569	3076	1109472	13119	360687	

Notes:

- Tamil Nadu, the information relates to only the allopathic doctors in PHCs
- Uttar Pradesh figure for 1.1.2000 includes Uttarakhand also.
- NA - Not Available

Source: Directorates of State Health Services

5.4 State/UT wise Number of Registered AYUSH Doctors in India as on 1.1.2009

S.No.	State/UT	Ayurveda	Unani	Siddha	Naturopathy	Homoeopathy	Total
1	2	3	4	5	6	7	8
1	Andhra Pradesh	15231	5022	-	401	9422	30076
2	Arunachal Pradesh	-	-	-	-	129	129
3	Assam	569	-	-	-	1010	1579
4	Bihar	133327	4378	-	-	28447	166152
5	Chattisgarh	1489	16	-	37	513	2055
6	Delhi	3065	1643	-	-	3488	8196
7	Goa	366	-	-	-	274	640
8	Gujarat	22038	264	-	-	10859	33161
9	Haryana	19278	2216	-	-	5246	26740
10	Himachal Pradesh	7236	456	-	-	1171	8863
11	Jammu & Kashmir	2150	2067	-	-	93	4310
12	Karnataka	21972	1165	4	258	5935	29334
13	Kerala	16042	64	1326	-	8425	25857
14	Madhya Pradesh	49524	1168	-	7	10682	61381
15	Maharashtra	63030	4079	-	-	55342	122451
16	Meghalaya	-	-	-	-	255	255
17	Nagaland	-	-	-	-	1997	1997
18	Orissa	4448	17	-	-	3835	8300
19	Punjab	18716	4034	-	-	4054	26804
20	Rajasthan	23861	1619	-	-	4695	30175
21	Tamil Nadu	3825	1067	5547	469	17906	28814
22	Tripura	-	-	-	-	150	150
23	Uttar Pradesh	52910	14429	-	-	27830	95169
24	Uttrakhand	1065	41	-	-	-	1106
25	West Bengal	3343	4934	-	-	39968	48245
26	Chandigarh	-	-	-	-	133	133
	Total	463485	48679	6877	1172	241859	762072

Source: Department of AYUSH, MOH&FW/GOI

Note:- Data as on 1.1.2009 (Provisional)

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 31.12.2008			Pharmacists as on 25.01.2010
		A.N.M.	G.N.M.	LHV	
1		2	3	4	5
1	Andhra Pradesh	107,986	109,597	2,480	43,958
2	Arunachal Pradesh				347
3	Assam	18,266	13,982	NA	2,429
4	Bhopal				1,381
5	Bihar*	7,501	8,883	511	4,163
6	Chattisgarh	1,900	2,876	1,352	
7	Delhi	2,020	22,113	NA	22,010
8	Goa				466
9	Gujarat	36,216	87,379	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	
13	Karnataka	48,174	109,140	6,838	79,208
14	Kerala*	28,378	85,624	7,897	17,634
15	Lakshdweep				3,082
16	Madhya Pradesh*	26,438	95,135	1,069	
17	Maharashtra*	31,101	90,386	566	106,220
18	Meghalaya	751	1,811	100	269
19	Mizoram	1,639	1,809		398
20	Nagaland				1,553
21	Orissa*	39,805	54,499	238	14,312
22	Pondicherry				1,716
23	Punjab*	18,152	45,801	2,584	35,290
24	Rajasthan*	22,239	37,667	850	18,214
25	Tamil Nadu	53,904	179,082	11,109	151,973
26	Tripura*	987	940	148	257
27	Uttar Pradesh	27,279	19,708	2,763	30,276
28	Uttarakhand*	700	92	11	
29	West Bengal	56,302	48,470	11,938	89,630
	Total	557,022	1,043,363	51,776	655,801

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, 2008 (Latest)

S. No.	State/UT	No. of Doctors at PHCs	Total Specialists ¹ at CHCs	Health Assistants		Health Workers	
				Male	Female(LHV)	Male	Female/ANM
	1	2	3	4	5	6	7
	India	24375	4279	17976	17608	60247	153568
1	Andhra Pradesh	2214	235	1920	1564	6127	12541
2	Arunachal Pradesh	87	9	56	0	156	256
3	Assam	408	365	N.A.	N.A.	N.A.	8289
4	Bihar	1565	104	634	479	1074	9127
5	Chattisgarh	862	107	114	749	2514	4850
6	Goa	44	4	15	20	135	177
7	Gujarat	1019	81	2421	267	4456	7060
8	Haryana	350	45	106	285	2031	2592
9	Himachal Pradesh	407	10	62	114	1270	2496
10	Jammu & Kashmir	451	135	89	27	NA	1794
11	Jharkhand	330	40	660	N.A.	1922	5011
12	Karnataka	2814	691	837	1170	3762	8028
13	Kerala	1732	115	794	740	2654	5320
14	Madhya Pradesh	1042	220	495	741	4030	8718
15	Maharashtra	1191	352	3182	3323	9956	12027
16	Manipur	115	0	52	55	420	990
17	Meghalaya	106	2	87	75	273	608
18	Mizoram	52	0	54	48	398	428
19	Nagaland	79	1	15	31	300	696
20	Orissa	1353	N.A.	168	726	3392	6768
21	Punjab	201	210	139	179	1983	2706
22	Rajasthan	1542	651	714	1358	2528	12271
23	Sikkim	42	7	8	18	147	267
24	Tamil Nadu	2260	NA	303	1362	3278	10343
25	Tripura	255	NA	93	62	436	638
26	Uttarakhand	866	67	417	340	616	1903
27	Uttar Pradesh	2001	618	4294	3509	2097	21024
28	West Bengal	810	186	225	300	4215	6051
29	A & N Islands	73	10	0	19	22	272
30	Chandigarh	0	5	0	0	14	14
31	D & N Haveli	6	1	3	3	9	38
32	Daman & Diu	6	4	0	4	19	38
33	Delhi	18	0	4	28	0	82
34	Lakshadweep	6	0	0	0	13	14
35	Puducherry	68	4	15	12	0	131

Notes:

1 Total Specialists include Surgeons, OB & GY, Physicians & Pediatricians

▪ Data as on March, 2008

▪ NA:Not Available

Source: Bulletin on Rural Health Statistics in India 2008, 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	764.17
1.1	Alopathic Doctor	1532.67
1.2	AYUSH Doctor	1524.03
2	Dental Surgeon	12437.46
3	Nurse	725.33
4	Pharmacist	1770.07

*Note- (i) Projected Population of India as on 1st March 2009 (Table No. 1.1.2, Chapter-1)

(ii) Total No. of Councils registered Doctors / Nurses/ Pharmacists (Latest) as provided by respective National Councils during 2009 (Chapter-5)

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

www.cbhidghs.nic.in