

Human Resource Situation of Health Sector

This article describes the human resource status with respect to sanctioned posts, filled up posts and vacancies under the Directorate General of Health Services (DGHS) and also picturing the said status in allied departments (viz. Directorate General of Family Planning, Directorate General of Drug Administration and Directorate of Nursing Services). The profile of the medical teaching/training institutions is also presented. A profile of the training given under the operational plan of in-service training under Health, Nutrition and Population Sector Program (HNPS 2003-10) is also added.

Sanctioned, filled up and vacant posts

The status of sanctioned posts of human resources, filled up posts and vacancies has been prepared in June 2010. Human resource deployment and redeployment are ongoing processes, and retirement, placement, transfer of manpower are constantly occurring. Therefore, the picture may not remain same during the time of reading of this document. However, the readers will get a closely approximate assumption through reading this chapter. Table-1 shows the human resource status of the DGHS. Table-2 shows the division-wise distribution of the human resource under DGHS.

Table-1. Number of sanctioned, filled up and vacant posts under DGHS (June 2010)

Class		Sanctioned	Filled up				Vacant	
			Male	Female	Total	Sanctioned%	No.	Sanctioned%
Class I	Doctor	20,234	8,921	2,379	11,300	56%	8,934	44%
	Non-doctor	466	168	50	218	47%	248	53%
Class II		1,611	406	719	1,125	70%	486	30%
Class III		65,079	32,936	20,549	53,485	82%	11,594	18%
Class IV		24,912	14,603	5,354	19,957	80%	4,955	20%
Total		112,302	57,034	29,051	86,085	77%	26,217	23%

Table-2. Division-wise number of sanctioned, filled up and vacant posts under DGHS (June 2010)

Division	Class		Sanctnd	Filled up				Vacant	
				Male	Female	Total	Sanctd%	No.	Sanctd%
Barisal	Class I	Doctor	1,423	436	64	500	35%	923	65%
		Non-doctor	25	3	-	3	12%	22	88%
	Class II		109	11	67	78	72%	31	28%
	Class III		5,056	2,316	1,897	4,213	83%	843	17%
	Class IV		1,761	1,059	317	1,376	78%	385	22%
	Total		8,374	3,825	2,345	6,170	74%	2,204	26%
Chittagong	Class I	Doctor	3,361	1,341	316	1,657	49%	1,704	51%
		Non-doctor	55	13	-	13	24%	42	76%
	Class II		216	36	102	138	64%	78	36%
	Class III		11,990	5,986	3,237	9,223	77%	2,767	23%
	Class IV		4,016	2,260	684	2,944	73%	1,072	27%
	Total		19,638	9,636	4,339	13,975	71%	5,663	29%

Table-2. Continued...

Division	Class		Sanctnd	Filled up				Vacant	
				Male	Female	Total	Sanctd%	No.	Sanctd%
Dhaka	Class I	Doctor	7,654	4,219	1,492	5,711	75%	1,943	25%
		Non-doctor	226	105	39	144	64%	82	36%
	Class II		699	239	299	538	77%	161	23%
	Class III		20,941	10,222	7,664	17,886	85%	3,055	15%
	Class IV		9,240	5,396	2,189	7,585	82%	1,655	18%
	Total		38,760	20,181	11,683	31,864	82%	6,896	18%
Khulna	Class I	Doctor	2,037	727	124	851	42%	1,186	58%
		Non-doctor	44	19	5	24	55%	20	45%
	Class II		158	30	83	113	72%	45	28%
	Class III		7,268	3,476	2,523	5,999	83%	1,269	17%
	Class IV		2,292	1,264	494	1,758	77%	534	23%
	Total		11,799	5,516	3,229	8,745	74%	3,054	26%
Rajshahi	Class I	Doctor	4,442	1,703	282	1,985	45%	2,457	55%
		Non-doctor	93	26	6	32	34%	61	66%
	Class II		323	78	142	220	68%	103	32%
	Class III		15,324	8,459	4,165	12,624	82%	2,700	18%
	Class IV		5,962	3,530	1,266	4,796	80%	1,166	20%
	Total		26,144	13,796	5,861	19,657	75%	6,487	25%
Sylhet	Class I	Doctor	1,317	495	101	596	45%	721	55%
		Non-doctor	23	2	-	2	9%	21	91%
	Class II		106	12	26	38	36%	68	64%
	Class III		4,500	2,477	1,063	3,540	79%	960	21%
	Class IV		1,641	1,094	404	1,498	91%	143	9%
	Total		7,587	4,080	1,594	5,674	75%	1,913	25%
Grand Total			112,302	57,034	29,051	86,085	77%	26,217	23%

Table-3 shows the number of sanctioned, filled up and vacant posts at managerial, teaching and certain clinical positions.

Table-3. Number of sanctioned, filled up and vacant posts at managerial, teaching and certain clinical positions (June 2010)

Post	Sanctioned	Filled up		Vacant	
		No.	Sanctioned%	No.	Sanctioned%
Director/ Principal/ equivalent	70	66	94%	4	6%
Deputy director/equivalent	102	79	77%	23	23%
Assistant Director/Civil surgeon/equivalent	193	157	81%	36	19%
Deputy civil surgeon/UHFPO	505	436	86%	69	14%
Vice principal	15	12	80%	3	20%
Professor	463	284	61%	179	39%
Associate professor	671	390	58%	281	42%
Assistant Professor	917	740	81%	177	19%
Senior consultant	425	213	50%	212	50%
Senior lecture	8	8	100%	0	0%
Junior lecturer	32	27	84%	5	16%
Junior consultant/ equivalent	3,422	1,425	42%	1,997	58%
Assistant surgeon/ equivalent	13,514	7,497	55%	6,017	45%
Total=	20,337	11,334	56%	9,003	44%

Table-4 shows the number of sanctioned, filled up and vacant posts of the medical technologists as of June 2010.

Table-4. Number of sanctioned, filled up and vacant posts of medical technologists by discipline (June 2010)

	Pharmacy	Laboratory	Radiography	Radiotherapy	Physiotherapy	Dental	Total
Sanctioned	2,881	1,776	713	56	199	525	6,150
Filled up	2,115	1,349	634	31	33	496	4,658
Filled up as % of sanctioned	73%	76%	89%	55%	17%	94%	76%
Vacant	766	427	79	25	166	29	1,492
Vacant as % of sanctioned	27%	24%	11%	45%	83%	6%	24%

Table-5 shows the number of sanctioned, filled up and vacant posts of Medical Assistants and of the domiciliary staffs, viz., Health inspectors, Assistant Health Inspector and Health Assistants under DGHS as of June 2010.

Table-5. Number of sanctioned, filled up and vacant posts of Medical Assistants and domiciliary staffs (Health Inspectors, Assistant Health Inspectors and Health Assistants (June 2010)

	Medical Assistant	Domiciliary staff			
		Health Inspector	Assistant Health Inspector	Health Assistant	Total
Sanctioned	5,411	1,399	4,198	20,819	26,416
Filled up	3,694	1,124	3,444	18,717	23,285
Filled up as % of sanctioned	68%	80%	82%	90%	88%
Vacant	1,717	275	754	2,102	3,131
Vacant as % of sanctioned	32%	20%	18%	10%	12%

Table-6 shows the number of sanctioned, filled up and vacant posts of the alternative medicine under DGHS as of June 2010.

Table-6. Number of sanctioned, filled up and vacant posts of the alternative medicine (June 2010)

Name of post	Sanctioned	Filled up	Filled up as % of sanctioned	Vacant	Vacant as % of sanctioned
Medical officers for unani medicine	66	20	30%	46	70%
Medical officers for ayurvedic medicine	66	22	33%	44	67%
Medical officers for homeopathic medicine	66	16	24%	50	76%
Compounders for alternative medicine	64	48	75%	16	25%
Herbal assistant for herbal gardens	467	425	91%	42	9%
Total=	729	531	73%	198	27%

Table-7 shows the number of sanctioned, filled up and vacant posts under the Directorate General of Family Planning (DGFP) as of June 2010.

Table-7. Number of sanctioned, filled up and vacant posts under Directorate General of Family Planning (June 2010)

Class	Sanctioned	Filled up	Filled up as % of sanctioned	Vacant	Vacant as % of sanctioned
Class I	1,925	1,242	2.4	683	1.3
Class II	1,023	446	0.9	577	1.1
Class III	40,430	38,906	74.3	1,524	2.9
Class IV	8,959	8,044	15.4	915	1.7
Total=	52,337	48,638	92.9	3,699	7.1

Table-8 shows the number of sanctioned, filled up and vacant posts under the Directorate General of Drug Administration (DGDA) as of June 2010.

Table-8. Number of sanctioned, filled up and vacant posts under Directorate General of Drug Administration (June 2010)

Class	Sanctioned	Filled up	Filled up as % of sanctioned	Vacant	Vacant as % of sanctioned
Class I	118	28	7.6	90	24.3
Class II	25	7	1.9	18	4.9
Class III	115	58	15.7	57	15.4
Class IV	112	39	10.5	73	19.7
Total=	370	132	35.7	238	64.3

Table-9 shows the number of sanctioned, filled up and vacant posts under the Directorate Nursing Services (DNS) as of June 2010.

Table-16.9. Number of sanctioned, filled up and vacant posts under Directorate of Nursing Services (June 2010)

Class	Category	Sanctioned	Filled up	Filled up as % of sanctioned	Vacant	Vacant as % of sanctioned
Class I	Nursing	161	6	3.73%	155	96.27%
	Non-nursing	1	0	0	1	100.00%
Class II	Nursing	463	150	32.04%	313	67.96%
	Non-nursing	20	8	40.00%	12	60.00%
Class III	Nursing	16,559	13,327	80.48%	3,232	19.52%
	Non-nursing	353	214	60.62%	139	39.38%
Class IV	Non-nursing	704	633	89.91%	71	10.09
Total=		18,261	14,338	78.51%	3,923	21.49%

Institutions offering postgraduate medical degrees

Table-10a shows the list of institutions both in government and private sector with postgraduate medical courses. The table also shows name of the courses offered by each institution along with number of seats in each course. This report is based on information provided by Director, Medical Education on 4 March 2010. For the Fellowship and membership courses offered by the Bangladesh College of Physicians and Surgeons (BCPS), there is no fixed annual intake. The college offers FCPS (Fellow of the College of Physicians and Surgeons) and MCPS (Member of the College of Physicians and Surgeons) degree to the candidates. Any eligible candidate can sit for examination, and result depends on candidate's competence shown in the examination. Table-10b summarizes the outputs of BCPS from 2006 to 2009.

Table-10a. Institutions offering postgraduate medical courses and name of courses with number of seats in each course (March 2010)

Name of institute	MS	MD	M. Phil	Diploma	MPH	MTM	MMED	Total
Government (autonomous) (No. of institution: 1)								
Bangabhandu Sheik Mujib Medical University Shahbag, Dhaka	140	150	70	106	0	10	0	476
Total=	140	150	70	106	0	10	0	476
Government (No. of institutions: 22)								
Centre for Medical Education (CME), Mohakhali, Dhaka	0	0	0	0	0	0	15	15
Chittagong Medical College, Chittagong	37	48	29	48	03	0	0	165
Dhaka Dental College, Mirpur-14, Dhaka	22	0	0	0	0	0	0	22
Dhaka Medical College, Dhaka.	70	110	86	82	06	0	0	354
Institute of Child & Mother Health (ICMH), Matuail, Dhaka	10	10	0	30	0	0	0	50

Table-10a. Continued...

Name of institute	MS	MD	M. Phil	Diploma	MPH	MTM	MMED	Total
Government (No. of institution: 22)								
Institute of Nuclear Medicine and Ultrasound 7 th floor, Block D, BSMMU Campus, Shahbag, Dhaka-1000	0	0	0	10	0	0	0	10
Mymensingh Medical College, Mymensingh	22	40	33	59	0	0	0	154
National Institute of Cancer Research and Hospital, Mohakhali, Dhaka	06	12	0	0	0	0	0	18
National Institute of Cardio-Vascular Diseases (NICVD), Sher-e-Bangla Nagar, Dhaka	20	20	0	14	0	0	0	54
National Institute of Chest Diseases and Hospital (NIDCH), Mohakhali, Dhaka	06	15	0	20	0	0	0	41
National Institute of Child Health, Shere-Bangla Nagar, Dhaka	10	15	0	15	0	0	0	40
National Institute of Kidney Diseases and Urology (NIKDU), Shere-Bangla Nagar, Dhaka	06	09	0	0	0	0	0	15
National Institute of Mental Health, Shere-Bangla Nagar, Dhaka	0	06	0	0	0	0	0	06
National Institute of Ophtalmology, Shere-Bangla Nagar, Dhaka	10	0	0	10	0	0	0	20
National Institute of Preventive and Social Medicine (NIPSOM), Mohakhali, Dhaka	0	0	07	0	166	0	0	173
National Institute of Traumatology and Orthopedic Rehabilitation (NITOR) Shere-Bangla Nagar, Dhaka	20	0	0	10	0	0	0	30
Rajshahi Medical College, Rajshahi	10	19	25	41	05	0	0	100
Rangpur Medical College, Rangpur	08	08	08	22	0	0	0	46
Shahid Ziaur Rahman Medical college, Bogra	0	0	0	10	0	0	0	10
Sher-E-Bangla Medical College, Barishal	04	0	08	22	0	0	0	34
Sir Salimullah Medical College, Dhaka	21	36	18	40	05	0	0	120
Sylhet M.A.G Osmani Medical College, Sylhet	20	12	28	40	0	0	0	100
Total=	302	360	242	473	185	0	15	1577
Private (No. of institutions: 10)								
Bangladesh College of Physicians and Surgeons, Mohakhali, Dhaka*	0	0	0	0	0	0	0	0
Bangladesh Institute of Research and Rehabilitation in Diabetes Endocrine and Metabolic Disorders (BIRDEM), Shahbag, Dhaka	10	22	15	14	0	0	0	61
Chittagong Maa -O- Shishu & General Hospital.Agrabad, Chittagong	0	0	0	06	0	0	0	06

Table-10a. Institutions offering postgraduate medical courses and name of courses with number of seats in each course (March 2010)

Name of institute	MS	MD	M. Phil	Diploma	MPH	MTM	MMED	Total
Private (No. of institution: 10)								
Institute of Child Health and Shishu (Children) Hospital, Shishu Shasthya Foundation, Bangladesh 6/2 Barabagh, Mirpur-2, Dhaka	0	0	0	06	0	0	0	06
Institute of Community Ophthalmology, Chittagong	0	0	0	08	0	0	0	08
Institute of Health Sciences (Under USTC), Foy's Lake, Chittagong	0	05	0	45	0	0	0	50
Lions Eye Institute and Hospital, Lions Bhaban, Rokeya Sarani, Agargaon, Dhaka	0	0	0	06	0	0	0	06
Mirza Ahmed Ispahani Institute of Ophthalmology and Islamia Hospital, Shere-Bangla Nagar, Dhaka	0	0	0	10	0	0	0	10
National Heart Foundation, Mirpur-2, Dhaka	05	05	0	0	0	0	0	10
United Hospital Ltd. Plot-15, Road-71, Gulshan-2, Dhaka	06	06	0	0	0	0	0	12
Total=	21	38	15	95	0	0	0	169
Grand Total (No. of institutions: 33)								
Grand Total =	463	548	327	674	185	25		2,222
*Offers FCPS and MCPS courses. Number of seats are not fixed and not included in this count								

Table-10b. Number of fellowships and memberships offered by Bangladesh College of Physicians and Surgeons in different disciplines from 2006 to 2009

Subject	FCPS					MCPS				
	Y2006	Y2007	Y2008	Y2009	Total	Y2006	Y2007	Y008	Y2009	Total
Anesthesiology	5	9	6	7	27	9	7	10	10	36
Biochemistry	1	1	0	0	2					0
Cardiology	0	2	1	0	3					0
Clinical Pathology					0	6	5	3	4	18
Conservative Dentistry	0	0	0	0	0					0
Dental surgery					0	2	4	5	2	13
Dermatology & Venereology	8	3	6	3	20	2	2	4	10	18
Family Medicine	0	0	0	1	1	4	2	1	1	8
Forensic medicine					0	2	0	1	1	4
Gastroenterology	0	0	1	0	1					0
Hematology	5	1	3	3	12					0
Histopathology	0	1	1	1	3					0
Medicine	30	13	57	57	157	5	3	12	19	39
Microbiology	2	1	2	1	6					0
Neonatology	0	1	0	1	2					0
Obstetrics & Gynecology	43	52	46	67	208	33	40	32	40	145
Ophthalmology	15	23	11	15	64	2	4	7	14	27
Oral & Maxillo-Facial Surgery	0	3	0	3	6					0
Orthodontics & Dentofacial Orthopedic	0	1	2	3	6					0
Otolaryngology	4	9	14	11	38	4	2	1	3	10
Pediatric Surgery	0	0	1	0	1					0

Table-10b. Continued...

Subject	FCPS					MCPS				
	Y2006	Y2007	Y2008	Y2009	Total	Y2006	Y2007	Y008	Y2009	Total
Pediatrics	18	16	33	26	93	1	1	5	6	13
Physical Medicine & Rehabilitation	4	1	2	4	11					0
Prosthodontics	0	0	1	0	1					0
Psychiatry	2	3	1	3	9	2	4	2	1	9
Pulmonology	0	0	0	0	0					0
Radiology & Imaging	6	4	4	9	23	2	1	6	2	11
Radiotherapy	3	3	0	0	6	0	0	0	0	0
Surgery	18	25	23	22	88	2	4	4	12	22
Thoracic Surgery	0	0	0	1	1					0
Urology	0	0	1	1	2					0
Total=	164	172	216	239	791	76	79	93	125	373

Institutions offering undergraduate medical degrees

Table-10 shows the list of institutions in government sector which offer undergraduate MBBS medical degrees with number of seats in each institution. This report is based on information provided by Director, Medical Education on 4 March 2010.

Table-10. Government institutions offering undergraduate MBBS medical degrees with number of seats (March 2010)

Division	Name of Medical College	Year established	No. of seats
Under Ministry of Health and Family Welfare			
Barisal	Shere-Bangla Medical College, Barisal	1968	178
Chittagong	Chittagong Medical College, Chittagong	1962	178
	Comilla Medical College, Comilla	1992	107
	Cox's Bazar Medical College, Cox's Bazar	2008	50
	Noakhali Medical College, Noakhali	2008	50
Dhaka	Dhaka Medical College, Dhaka	1948	178
	Mymensingh Medical College, Mymensingh	1962	178
	Sir Salimullah Medical College, Mitford, Dhaka	1972	178
	Faridpur Medical College, Faridpur	1992	107
	Shahid Shuhrawardhy Medical College, Shere-Bangla nagar, Dhaka	2005	126
Khulna	Khulna Medical College, Khulna	1992	132
Rajshahi	Rajshahi Medical College, Rajshahi	1962	178
	Rangpur Medical College, Rangpur	1972	178
	Dinajpur Medical College, Dinajpur.	1992	132
	Shahid Ziaur Rahman Medical College, Bogra	1992	132
	Pabna Medical College, Pabna	2008	50
Sylhet	M. A. G. Osmani Medical College, Sylhet	1966	178
Total Medical Colleges = 17		Total seats=	2,310*
*includes 40 seats for children of freedom fighters and 20 seats for tribal students			
Under Ministry of Defense			
Dhaka	Armed Forces Medical Colleges		100
Total Medical College = 1		Total seats=	100
Additional seats reserved for foreign students			
All divisions	Seats for foreign students		99
		Total seats=	99
No. of institutions: 18		Grand Total (No. of seats)=	2,509

Table-11 shows the list of institutions in private sector which offer undergraduate MBBS medical degrees with number of seats in each institution. This report is based on information provided by Director, Medical Education on 4 March 2010. The readers should read the note of Table-11 to know the status of the private medical college.

Table-11. Private institutions offering undergraduate MBBS medical degrees with number of seats (March 2010)

Division	Name of College	Estd	No. of seats	Note
Chittagong	BGC Trust Medical College, Kanchan nagar, Chandanaish, Chittagong	2002	100	Complying MOHFW guidelines
	Central Medical College, Bishaw Road, Dhaka-Chittagong High way, Comilla	2005	50	
	Chottagram, Ma O Shishu Hospital Medical College, Agrabad, Chittagong	2006	75	
	Eastern Medical College, Kabila, Dhaka-Chittagong High way, Comilla	2005	50	
	Institute of Applied Health Sciences, Foy's lake, Chittagong	1990	200	
	Southern Medical College, Mozaffor Ahmed Chy. Road, East Nasirabad, Chittagong	2006	50	Running under rule of High Court
Dhaka	Ad-din Womens Medical College, 2 Boro Mogbazar, Dhaka	2008	50	Complying MOHFW guidelines
	Anwar Khan Modern Medical College, Road # 8, Dhanmondi, Dhaka	2008	75	
	Bangladesh Medical College, Road # 14/A, Dhanmondi, Dhaka	1985	130	
	Community Medical College, 190/1Boro Mogbazar, Wireless rail gate, Dhaka	2008	50	
	Dhaka National Medical College, 53/1 Jonson Road, Dhaka	1995	125	
	East West Medical College, Aichi Nagar, JBCS Sarani, Horirampur Turag, Dhaka	2000	75	
	Enam Medical College, Parbatnagar, Thana Road, Savar, Dhaka	2003	100	
	Faridpur diabetic Association Medical college, Ziltuli, Faridpur	2010	50	
	Green Life Medical College, Dhanmondi, Dhaka	2010	50	
	Holy Family Red Creasent Medical College, 1 Iskhaton garden Road, Dhaka	2000	110	
	IBN Sina Medical College, Kollanpur, Dhaka	2005	50	
	Jahurul Islam Medical College, Bajitpur, Kishoreganj	1992	100	
	Kumudini Medical College, Mirjapur, Tangail	2001	100	
	Lab Aid Medical College, Dhanmondi, Dhaka	2010	50	
	Medical College for Women and Hospital, Road # 8-9, Sector-1, Uttara, Dhaka	1992	100	
	Shahid Monsur Ali Medical College, Plot # 26, Road# 10, Sector-11, Uttara, Dhaka	1998	75	
	Shahabuddin Medical College, Road # 113/A, Plot # 12, Gulshan Model Town, Dhaka	2003	75	
	Tairunnessa Medical College, Targas, Board Bazar, Gazipur	2001	50	
	Uttara Adhunik Medical College, Uttara, Dhaka	2007	75	
	Z.H Sikder, Women Medical College, Monica Estate, West Dhanmondi, Dhaka	1992	110	
Community Based Medical College, 161 K. B. Ismail Road, Mymensingh	1995	100	Running under rule of High Court	
Delta Medical College, 26/2 Darus Salam Road, Mirpur-1, Dhaka	2008	50		
Ibrahim Medical College, Ibrahim Sarani, Segun Bagicha, Dhaka	2002	100		
International Medical College, Sataish Bazar, Gushulia, Tongi, Gazipur	2000	90		
Nightingale Medical College, Ashulia, Sarker Market, Dhaka	2006	0		

Table-11. Continued...

Division	Name of College	Estd	No. of seats	Note
Dhaka	Northern International Medical College, House # 81, Road # 7, Dhanmondi, Dhaka	2006	50	
	Samaj Vittic Medical College, Miza Nagar, Via – Savar Cant. Dhaka.	1989	100	Running under private university
Rajshahi	Islami Bank Medical College, Rajshahi	2004	50	Complying MOHFW guidelines
	North Bengal Medical College, JC Road, Dhanbandi, Sirajganj	2000	50	
	Prime Medical College, Pirjabad, Rangpur	2008	75	
	Rangpur Community Hospital Medical College, Medical East Gate, Rangpur	2008	75	
	TMSS Medical College, Thengamara, Gokul, Bogra	2008	50	
	Northern Medical College, Dhap, Chiklibata, Burirhat Road, Rangpur	2006	30	Running under rule of High Court
	Khawja Eunos Ali Medical College, Enayet pur, Sirajganj	2005	60	Running under private university
Sylhet	Jalalabad Ragib Rabeya Medical College, Pathan tola, Sylhet	1996	160	Complying MOHFW guidelines
	North East Medical College, South Surma, Sylhet	1998	105	
	Sylhet Women Medical College, Mirbox Tola, Sylhet	2006	75	
	Durra Samad Rahman Red Creasent Women's Medical College, Sylhet	2006	0	Closed by order of MOHFW
Total medical colleges complying MOHFW's guidelines = 33; Running by order of High Court = 8; Running under private university = 2; Closed = 1; Total = 44		Total seats=	3,345	

Institutions offering undergraduate dental degrees

Table-12 shows the list of institutions in government sector which offer undergraduate BDS dental degrees with number of seats in each institution. This report is based on information provided by Director, Medical Education on 4 March 2010.

Table-12. Government institutions offering undergraduate BDS dental degrees with number of seats (March 2010)

Division	Name of Dental College	Year established	No. of seats
Under Ministry of Health and Family Welfare			
Chittagong	Chittagong Medical College Dental Unit, Chittagong		50
Dhaka	Dhaka Dental College, Dhaka		110
Rajshahi	Rajshahi Medical College Dental Unit, Rajshahi		50
Total Dental Colleges = 3		Total seats=	210*
*includes 10 seats for children of freedom fighters and 5 seats for tribal students			

Table-13 shows the list of institutions in private sector which offer undergraduate BDS dental degrees with number of seats in each institution. This report is based on information provided by Director, Medical Education on 4 March 2010. The readers should read the note of Table-11 to know the status of the private medical college.

Table-13. Private institutions offering undergraduate BDS dental degrees with number of seats (March 2010)

Division	Name of College	Year established	No. of seats	Note
Chittagong	Chittagong International Dental College, 206/1, Hazi Chandmia Road, Samsherpara, Chandgaon, Chittagong	2005	50	Complying MOHFW guidelines
Dhaka	Pioneer Dental College, 111, Malibag, D I T Road, Dhaka	1995	100	
	University Dental College, 120 Siddeshwari Outer Circular Road, Century Arced, Mogbazar, Dhaka	1996	85	

Table-13. Continued...

Division	Name of College	Year established	No. of seats	Note
Dhaka	Bangladesh Dental College, Road # 14/A Dhanmondi, Dhaka	1997	50	
	Samaj Vittik Medical College, Miza Nagar, Via Savar Cantonment, Dhaka	1997	50	
	City Dental College, 1085/1, Malibag Chowdury Para, Dhaka	1998	75	
	Sapporo Dental College, Plot-12, Road-1/B, Sector-9, Uttara Model Town, Dhaka	2000	70	
	Marks Dental College, A/3, Main Road, Section-14, Mirpur, Dhaka	2008	50	
	Update Dental College, 162, Atish Dipankar Road, West Mugda, Dhaka	2008	50	
	Saphena Women's Dental college, Baromogbazar, Dhaka	2010	40	
Rajshahi	Rangpur Dental College, Medical East gate, Rangpur	2008	100	
	Udayan Dental College, Rajshahi	2008	50	
Total Dental Colleges = 12		Total seats=		770

Table-14 shows the list of academic institutions both in government and private sector which offer undergraduate degrees and diplomas in alternative medicine with number of seats.

Table-14. Academic institutions for teaching and training of alternative medicines in Bangladesh

Name of the AMC institute	No			Duration of course	Duration of internship	Degree offered	No. of seats
	Total	Government	Private				
Government Unani & Ayurvedic Degree College	1	1	0	5 years	1 year	BUMS Bachelor of Unani Medicine & Surgery); BAMS (Bachelor of Ayurvedic Medicine & Surgery)	50
Homeopathic Degree College	1	1	0	5 years	1 year	BHMS (Bachelor of Homeopathic Medicine & Surgery)	50
Unani diploma college	11	1	10	4 years	6 months	DUMS (Diploma in Unani Medicine & Surgery)	25*
Ayurvedic diploma college	7	0	7	4 years	6 months	DAMS (Diploma in Ayurvedic Medicine & Surgery)	
Homeopathic diploma college	38	0	38	4 years	6 months	DHMS (Diploma in Homeopathic Medicine & Surgery)	-

*No. of seats in government owned Tibbia College in Sylhet

Institutions offering nursing degrees

Table-15 shows the list of Colleges of Nursing under government sector which offer diploma or post-diploma nursing degrees with number of seats in each institution.

Table-15. Government Nursing Colleges offering Nursing Diploma or Post-Diploma degrees (March 2010)

Division	Name of Nursing College	Degree	No. of seats
Under Ministry of Health and Family Welfare			
Chittagong	College of Nursing, Chittagong Medical College, Chittagong	Diploma	50
Dhaka	College of Nursing, Mohakhali, Dhaka (5 reserved seats for foreign students)	Post-Diploma	125
	College of Nursing, Dhaka Medical College Hospital, Dhaka	Diploma	100
	College of Nursing, Mymensingh Medical College, Mymensingh	Diploma	50
Rajshahi	College of Nursing, Rajshahi Medical College, Rajshahi	Diploma	50
Total Nursing Colleges under MOHFW = 5		Total seats=	375
Under Ministry of Defense			
Dhaka	Armed Forces Medical Institute, Dhaka Cantonment, Dhaka	Diploma	25
Total Nursing College under Ministry of Defense = 1		Total seats=	25
Total Nursing Colleges in Government Sector = 6		Grand Total=	400

Table-16 lists of Colleges of Nursing under private sector, which offer diploma or post-diploma nursing degrees with number of seats in each institution.

Table-16. Private Nursing Colleges offering Nursing Diploma or Post-Diploma degrees (March 2010)

Division	Name of Nursing College	No. of seats		
		Diploma	Post-Diploma	
Dhaka	International Medical College, Tongi, Gazipur	20	0	
	Kumudini Nursing College, Kumudini Hospital, Mirzapur, Tangail	30	30	
	State College of Health Sciences, Dhanmondi, Dhaka	20	20	
	Shahid Monsur Ali Nursing College, Uttara, Dhaka	25	0	
Rajshahi	TMSS Nursing College, Bogra	0	30	
Sylhet	Jalalabad Ragib-Rabeya Nursing College, Pathantula, Sylhet	20	0	
	North East Nursing College, S. Surma, Sylhet	20	0	
Total Nursing Colleges under private sector = 7		Total seats=	135	80
		Grand Total=	215	

Two private institutions run specialized nursing diploma courses on cardiac nursing and rehabilitation nursing. Table-17 lists of those institutions with number of seats in each institution.

Table-17. Private institutions conducting specialized nursing diploma courses (March 2010)

Division	Name of Private Institution	No. of seats		
		Diploma	Post-Diploma	
Dhaka	National Heart Foundation, Mirpur, Dhaka (Cardiac Nursing: ICU, CCU, Cath lab)	20	0	
	Bangladesh Health Professionals Instituion (CRP), Chapain, Savar, Dhaka (Rehabilitation Nursing)	20	0	
Total Private Institutions under private sector = 2		Total seats=	40	0

Beside the Colleges of Nursing and two private institutions offering specialized nursing diploma, there are 34 nursing institutes in government sector (seats 1,250) and 20 in private sector (seats 530). Tables-18 and 19 summarize the lists.

Table-18. Government nursing institutes with their number of seats

Division	Name of nursing institute	No. of seats
Nursing institutes attached with medical college hospitals		
Barisal	1. Nursing Institute attached with Shere Bangla Medical College Hospital, Barisal	50
Chittagong	2. Nursing Institute attached with Comilla Medical College Hospital, Comilla	50
Dhaka	3. Nursing Institute attached with Faridpur Medical College Hospital, Faridpur	50
	4. Nursing Institute attached with SSMC Mitford Hospital, Dhaka	50
Rajshahi	5. Nursing Institute attached with Rangpur Medical College Hospital, Rangpur	50
Sylhet	6. Nursing Institute attached with MAG Osmani Medical College Hospital, Sylhet	50
Total=		300
Nursing institutes attached with general hospitals		
Barisal	1. Nursing Institute attached with Patuakhali General Hospital	40
Chittagong	2. Nursing Institute attached with Noakhali General Hospital	40
	3. Nursing Institute attached with Rangamati General Hospital	40
Dhaka	4. Nursing Institute attached with Tangail General Hospital	40
Khulna	5. Nursing Institute attached with Jessore General Hospital	40
	6. Nursing Institute attached with Khulna	50
	7. Nursing Institute attached with Kustia General Hospital	40
Rajshahi	8. Nursing Institute attached with Bogra General Hospital	40
	9. Nursing Institute attached with Dinajpur General Hospital	40
	10. Nursing Institute attached with Pabna General Hospital	40
	11. Nursing Institute attached with Sirajganj General Hospital	30
Total=		440

Table-18. Continued...

Division	Name of nursing institute	No. of seats
Nursing institutes attached with district hospitals		
Barisal	1. Nursing Institute attached with Bhola District Hospital	30
Chittagong	2. Nursing Institute attached with Brahmonbaria District Hospital	30
	3. Nursing Institute attached with Cox's Bazar District Hospital	30
	4. Nursing Institute attached with Feni	30
Dhaka	5. Nursing Institute attached with Munshiganj District Hospital	30
	6. Nursing Institute attached with Metrokona District Hospital	30
	7. Nursing Institute attached with Rajbari District Hospital	30
Khulna	8. Nursing Institute attached with Bagerhat District Hospital	30
	9. Nursing Institute attached with Chuadanga District Hospital	30
	10. Nursing Institute attached with Magura District Hospital	30
	11. Nursing Institute attached with Satkhira District Hospital	30
Rajshahi	12. Nursing Institute attached with Chapai Nawabganj District Hospital	30
	13. Nursing Institute attached with Joyprhat District Hospital	30
	14. Nursing Institute attached with Kurigram District Hospital	30
	15. Nursing Institute attached with Sherpur District Hospital	30
	16. Nursing Institute attached with Thakurgaon District Hospital	30
Sylhet	17. Nursing Institute attached with Moulvi Bazar District Hospital	30
Total=		510
Grand Total=		1,250

Table-19. Private nursing institutes with their number of seats

Division	Name of nursing institute	No. of seats
Chittagong	1. Nursing Institute attached with Chandraghona Missionary hospital	30
	2. Nursing Institute, Chottogram Ma O Shishu Hospital, Agrabad, Chittagong	25
Dhaka	3. Fatima Nursing Institute, Moghbazar, Dhaka	20
	4. Kumudini Nursing School, Mirzapur, Tangail	50
	5. Moulana Bhashani Nursing Institute, Uttara, Dhaka	20
	6. Nursing Institute attached with BHPI, CRP, Savar, Dhaka	20
	7. Nursing Institute attached with Diabetic Hospital, Faridpur	25
	8. Nursing Institute attached with Holy Family Red Crescent Hospital, Dhaka	40
	9. Nursing Institute attached with Zahurul Islam Medical College Hospital, Bajitpur	20
	10. Nursing Institute, Central Hospital, Dhaka	20
	11. Nursing Institute, Christian Health Project, Joy ramkura, Haluaght, Mymensingh	20
	12. Nursing Institute, Shishu Shayastha Foundation Hospital, Mirpur, Dhaka	20
	13. Nursing Institute, Uttara Women Medical College Hospital, Dhaka	25
	14. TMMC Nursing Institute, Targas, Boardbazar, Gazipur	20
	Khulna	15. Ad-Din Nursing Institute, Jessore
16. Safina Nursing Institute, Kustia		20
Rajshahi	17. Nursing Institute attached with KY Ali Medical College Hospital, Enayetpur, Sirajganj	50
	18. Nursing Institute attached with Rajshahi Missionary hospital	20
	19. Nursing Institute, Islami Bank Medical College Hospital, Rajshahi	40
Sylhet	20. North East Nursing Institute, Sylhet	25
Total=		530

Private sector institutions to produce midwives

There are also eight junior midwifery institutes in the private sector with total seat capacity of 140 to produce mid wife professionals. Table-20 shows the list.

Table-20. Junior midwifery institutes with number of seats in each

Division	Name of Junior midwifery institute	No. of seats
Chittagong	1. CR Maternity Hospital, Chandpur	20
	2. Mamon Hospital, City Corporation, Chittagong	25
Dhaka	3. Junior Midwifery Institute, Holy Family Red Crescent Hospital, Dhaka	25
	4. Kumudini Hospital, Mirzapur, Tangail	10
	5. SMUR Maternity Hospital, Bangla Bazar, Dhaka	20
Khulna	6. Ad-din maternity Hospital, Jessore	20
	7. Fatema Hospital, Jessore	10
Rajshahi	8. Christian Hospital, Bogra	10
Total=		140

Training facilities for production of community based skilled birth attendants

To facilitate attendance of child births by skilled health personnel, the Ministry of Health and Family Welfare has a program to produce community based skilled birth attendants. There are 41 facilities, 39 in government sector and 2 in private sector, to provide training in this regard. Table-21 shows the location of the training facilities.

Table-21. Training institutes for production of community based skilled birth attendants

Ownership	Type of facility	Location	No. of facilities
Government	CSBA Institute run civil surgeon and attached with General Hospital / District Hospital	Narayangonj (WHO), Manikgonj, Kishoregonj, Jamalpur, Habigonj, Gopalganj, Narsingdi, Nilphamari, Natore, Naogaon, Kurigram, Panchagarh, Gaibandha, Jhainadah, Bagerhat, Rajbari, Madaripur, Munshigonj, Chandpur	19
	Family Welfare Visitor Training Institute	Tangail (WHO), Barisal, Faridpur, Comilla (WHO), Kushtia, Khulna (WHO)	6
	CSBA Institute attached with Nursing Institute	Noakhali, Jessore, Satkhira, Thakurgaon, Feni, Joypurhat, Pabna, Brahminbaria, Netrokona, Chuadanga, Cox's Bazar, Patuakhali, Chapai-Nowabgonj, Sirajgonj	14
Private	CSBA-Institute	Kumudini Hospital, Mirzapur, Tangail; Lamb Hospital, Parbatipur, Dinajpur	2
Total=			41

Training schools for production of medical assistants

Medical assistants work as the assistants to the medical doctors posted at the upazila health complexes as well as at union sub-centers. Medical assistants are produced by Medical Assistant Training School (MATS) through a three years' academic course comprised of theory and practical classes. Currently there are 7 MATS under government sector and 25 under private sector. Total annual production capacity is 2,505 of which 650 by government MATS and 1,855 by private MATS. Tables-22 and 23 show the list of MATS.

Table-22. Government Medical Assistant Training School (MATS) and number of seats (March 2010)

Division	Name of MATS	No. of seats
Chittagong	Medical Assistant Training School, Comilla (non-functioning)	50
	Medical Assistant Training School, Noakhali	100
Dhaka	Medical Assistant Training School, Faridpur	50
	Medical Assistant Training School, Tangail	100
Khulna	Medical Assistant Training School, Bagerhat	150
	Medical Assistant Training School, Kushtia	100
Rajshahi	Medical Assistant Training School, Sirajganj	100
Total=		650

Note: A new MATS is being constructed in Jenidah district

Table-23. Private Medical Assistant Training School (MATS) and number of seats (March 2010)

Division	Name of institute	Year established	No. of seats
Chittagong	Thakur Para Medical Assistant Training School, Thakur Para, Comilla	2008	50
Dhaka	Advance Medical Assistant Training School, Green Road, Dhaka	2008	100
	AR Medical Assistant Training School, Mohammadpur, Dhaka	2009	75
	Bangladesh Medical Assistant Training School, Uttara, Dhaka	2009	50
	Dhaka Medical Assistant Training School, Mirpur, Dhaka	2008	80
	New Pilot Medical Assistant Training School, Tangail Sadar	2009	50
	Rabeya Medical Assistant Training School, Savar, Dhaka	2008	50
	Rampura Medical Assistant Training School, Rampura, Dhaka	2008	70
	Rumdo Medical Assistant Training School, Mymensingh	2008	60
	SAIC Institute of Medical Assistant, Mirpur-6, Road # 2, Block # B, Dhaka	2008	40
	SIMT Medical Assistant Training School, Kalabagan, Dhaka	2008	100
	Spark SIMT Medical Assistant Training Academy, Mirpur, Dhaka	2008	60
	SPKS Medical Assistant Training School, Mirpur, Dhaka	2008	100
	Sumona Medical Assistant Training School, Sadargat, Dhaka	2007	60
The Medical Assistant Training School, Mirpur, Dhaka	2008	100	
Rajshahi	Green International Medical Assistant Training School, Rangpur	2008	150
	Health Ways Medical Assistant Training School, Bogra	2008	50
	Prime Medical Assistant Training School, Rangpur	2008	80
	Rajshahi Medical Assistant Training School, Rajshahi	2008	80
	SIMT Medical Assistant Training School, Nishindhora, Bogra	2008	20
	TMSS Medical Assistant Training School, Bogra	2008	100
	Udayan Medical Assistant Training School, Rajshahi	2008	160
Sylhet	Jalalabad Medical Assistant Training School, Sylhet	2008	50
	Mouloubazar Medical Assistant Training School, Kushumbag, Moulavibazar	2008	80
	Sylhet Medical Assistant Training School, Sylhet	2008	40
No. of private MATS = 25		Total=	1,855

Institutes of Health Technology (IHT) for production of medical technologists

Medical technologists are laboratory technologists or staffs responsible for technical jobs under supervision of medical experts. There was an acute shortage of medical technologists in the country. However, a steady growth of private institutes has been noticed and as of today there are 56 private institutes of medical technology against only 3 in the government sector. Tables-24 show the list of government IHTs and Table-25 shows the list of private IHTs.

Table-24. List of government Institutes of Health Technology with number of seats by discipline

Division	Name of institute with location	Estd.	Bottom of table shows full word of abbreviation								Total
			LAB	RDL	PTY	SI	DENT	PHAR	RTY	FF & TR	
Dhaka	Institute of Health Technology, Mohakhali, Dhaka	1963	50	50	50	50	50	50	20	5+2	327
Rajshahi	Institute of Health Technology, Rajshahi.	1976	50	50	50	50	50	50	20	5+1	326
	Institute of Health Technology, Bogra	2006	65	55	50	50	55	55	20	5+2	357
Total institutes = 3		Total	165	155	150	150	155	155	60	20	1,010
LAB: Laboratory; RDL: Radiology; PTY: Physiotherapy; SI: Sanitary Inspection; DENT: Dentistry; PHAR: Pharmacy; RTY: Radiotherapy; FF&TR: Children of freedom fighters and tribal students											

Table-25. List of private Institutes of Health Technology with number of seats by discipline

Division	Name of institute with location	Estd.	Bottom of table shows full word of abbreviation							Total
			LAB	RDL	PTY	DENT	PHAR	Other1	Other2	
Chittagong	C.S.C.R. Institute of Medical Technology, 1675/A O.R. Nijam Road, Golpahar, Chittagong	2008	35	0	25	25	30	0	0	115
	Chittagong Institute of Medical Technology Halishahar, Chittagong	2005	50	0	0	50	50	0	0	150
	Comilla Institute of Medical Technology, Laksham Road, Comilla	2007	25	25	0	25	25	0	0	100
	Comilla Institute of Medical Technology, Thakurpara, Comilla	2007	25	25	0	0	25	0	0	75
	Ilah College of Medical Technology, Nahar Kutir, East Bank of Ranir Digi, Comilla	2005	25	0	0	0	25	0	0	50
	Institute of Medical Technology, 180 Feringibazar, City Corporation, Chittagong	2003	50	50	0	50	0	0	0	150
Dhaka	A.R. Institute of Medical Technology, Nabodoy Housing Society, Mohammadpur, Dhaka	2008	50	25	50	50	50	0	0	225
	Ahsania Mission Institute of Medical Technology, Mirpur, Dhaka	2008	25	25	25	0	0	0	0	75
	Armed Forces Institute of Medical Technology, Dhaka cantonment	2010	25	25	25	25	25	10 (OTA)	15 (ICA)	150
	Bangladesh Institute of Medical & Dental Technology, 23/10, Khiljee road, Mohammadpur, Dhaka	1996	85	20	20	25	0	0	0	150
	Bangladesh Medical College, Dhaka		0	0	25	0	0	0	0	25
	Center for Rehabilitation of the Paralysed, Savar, Dhaka	1999	50	50	50	0	0	0	Occu - 50	200
	Dhaka Institute of Medical Technology, House 1/20, Humayun Road, College Gate, Mohammadpur, Dhaka	2008	50	0	25	30	40	0	0	145

Table-25. Continued...

Division	Name of institute with location	Estd.	Bottom of table shows full word of abbreviation							Total
			LAB	RDL	PTY	DENT	PHAR	Other1	Other2	
Dhaka	Fortune Institute of Medical Technology, House -13, Sector- 01, Jasim uddin Road, Uttara, Dhaka	2007	50	25	0	45	45	0	0	165
	Ganashaystha Institute of Health Sciences, Tengra, Shrepur, Gajipur	2006	50	0	0	50	0	0	0	100
	Green view IHT, 25/3, Road No. 7, Green Road, Dhanmondi, Dhaka	2002	40	0	0	40	25	0	0	105
	Institute of Medical Technology, Rajbari	2010	50	0	0	0	50	0	0	100
	Institute of British Colombia Medical Technology, Uttara, Dhaka	2008	40	0	25	25	35	0	0	125
	Institute of Community Health Bangladesh, 190/1, Baro Magbazar, Dhaka	2005	25	0	0	25	25	0	0	75
	Institute of Health Technology, House 68, Road No-4, Block B, Section -12, Dhaka	2000	100	0	0	50	50	0	0	200
	Institute of Medical & Dental Technology, Tangail	2007	30	25	0	25	25	0	0	105
	International Institute of Health Sciences, House 71/1, Road 15/A, Shankar Bus stand, Dhaka	2006	70	0	0	50	40	0	0	160
	Institute of Medical Technology, Tamizuddin road, Jhiltuli, Faridpur	2005	50	0	0	25	25	0	0	100
	Jefri Institute of Health Sciences & Technology, 5 Sikder Real State, Dhanmondi, Dhaka	2009	50	50	50	50	50	0	0	250
	Marks Institute of Medical Technology, A/3, Section-14, Mirpur, Dhaka	2002	50	0	0	50	50	0	0	150
	Millennium Institute of Medical Technology, 61, Bacharam Dewry, Dhaka	2007	25	0	0	25	25	0	0	75
	National Institute of Medical & Dental Technology, 19/10 Babar road, Mohammadpur, Dhaka	2005	34	0	0	0	31	0	0	65

Table-25. Continued...

Division	Name of institute with location	Estd.	Bottom of table shows full word of abbreviation							Total
			LAB	RDL	PTY	DENT	PHAR	Other1	Other2	
Dhaka	National Institute of Medical Technology, Garib-newaz Avenue, sector-13, Uttara Model Town	2003	50	0	0	50	50	0	0	150
	Newlab Institute of Medical Tech, Asad Gate road, Mohammadpur, Dhaka	2005	50	0	0	30	30	0	0	110
	Prince Institute of Medical Technology, B-4, Talbag Thana Road, Savar, Dhaka	2008	45	0	0	30	40	0	0	115
	Prof. Shuhrabuddin Institute of Medical Technology, Sabalia, Tangail	2007	75	0	25	45	45	0	0	190
	Radiant Institute of Medical Technology 69/E, Ara Plaza, Green road, Dhaka	2003	40	0	0	40	0	0	0	80
	Rumdo Institute of Medical Technology, Boundary Road, Mymensingh	2007	60	0	0	0	25	0	0	85
	SAIC Institute of Medical Technology Mirpur-6, Road2,Block-B, Dhaka	2005 & 2008	70	10	0	40	40	0	0	160
	Shad S.A. Memorial Institute of Medical Technology, Uttara, Dhaka	2007	25	0	0	25	25	0	0	75
	Shaymoly Ideal Institute of Med Technology Dhaka	2010	50	0	50	50	50	0	0	200
	State College of Health Sciences, Mohammadpur, Dhaka	2008	0	0	0	0	0	0	50 (Opti-metry)	50
	Sumana Institute of Medical Technology, 2/2,2/3, Chittahranjon Avenue, Sadarghat, Dhaka	2007	50	0	0	30	50	0	0	130
Trauma Institute of Medical Technology, 22/8/A, Black-B, Shaymoli, Dhaka	2008	25	25	0	25	25	0	0	100	
Khulna	Ad-din Women's Institute of Medical Technology, Jessore	2007	25	25	0	25	25	0	0	100
	SAIC Institute of Medical Technology, Khulna	2010	50	0	30	50	50	0	0	180

Table-25. Continued...

Division	Name of institute with location	Estd.	Bottom of table shows full word of abbreviation							Total
			LAB	RDL	PTY	DENT	PHAR	Other1	Other2	
Rajshahi	Bangladesh Institute of Medical Technology Haji Mohsin Road, Dilalpur, Pabna	2007	30	0	30	30	30	0	0	120
	DOD Institute of Medical Technology, Dinajpur	2010	50	50	0	0	0	0	0	100
	Health Ways Institute of Medical Technology Sewsgary kermical road, Bogra	2002	100	0	0	31	50	0	0	181
	Islami Bank Institute of Medical Technology, Rajshahi	2007	50	25	0	25	50	0	0	150
	Janata Institute of Medical Technology North P.T. Lane, Jalesharytala, Bogra	2002	50	0	0	40	25	0	0	115
	Jaypurhat Institute of Medical Technology, Jaypurhat	2010	50	0	0	0	50	0	0	100
	Prime Institute of Medical Technology, 213/A, Talaymary, Rajshahi	2006	100	0	0	50	50	0	0	200
	Prime Institute of Medical Technology, Rangpur	2007	75	0	0	25	25	0	0	125
	Rajshahi Institute of Medical Technology, Tony Bhaban, House No-342, Paramedical road, Laxipur, Rajshahi	2002	50	0	0	50	70	0	0	170
	SAIC Institute of Medical Technology, Bogra	2008	50	0	0	25	50	0	0	125
T.M.S.S. Institute of Medical Technology, Thangamara, Bogra	2007	100	40	0	30	40	0	0	210	
Total institutes = 56		Total	2,479	520	455	1,486	1,641	10	115	6,706
LAB: Laboratory; RDL: Radiology; PTY: Physiotherapy; SI: Sanitary Inspection; DENT: Dentistry; PHAR: Pharmacy; RTY: Radiotherapy; FF&TR: Children of freedom fighters and tribal students										

Some private institutes are running certificate courses on medical technology. Table-16.24 lists those institutes.

Table-26. List of private institutes running certificate courses in medical technology with number of seats by discipline

Division	Name of Institution with address	Estd.	Optometry	Refraction	Ophthalmic Assistant	Ophthalmic Nursing Assistant	Total
Chittagong	Bangladesh Jatiyo Andho Kallyan Samity, Comilla	2008	25	0	25	0	50
Dhaka	Bangladesh Islamia Eye Hospital, Dhaka	2008	25	25	25	25	100
	Fashion Eye Hospital Limited Fashion Tower, 98/6-A, Elephant Road, Bara Maghbazar, Dhaka	2008	0	10	10	0	20
Total institutes = 3		Total=	50	35	60	25	170

There are initiatives also to start bachelor's degree courses for medical technology. Three government institutions and 15 private institutions started Bachelor of Science (B.Sc.) course in medical technology. Table-27 lists the government and Table 16.26 the private B.Sc. medical technology institutions.

Table-27. Government institutions running B.Sc. course in medical technology

Division	Name of institution with location	Estd.	Physiotherapy	Laboratory Medicine	Total
Dhaka	NITOR, Sher-e Bangla Nagar, Dhaka	1993	25	0	25
	Institute of Health Technology, Mohakhali, Dhaka	2007	30	30	60
Rajshahi	Institute of Health Technology, Rajshahi	2007	30	30	60
No. of institutions = 3		Total=	85	60	145

Table-28. Private institutions running B.Sc. course in medical technology

Division	Name of institution with location	Estd.	Physiotherapy	Lab Medicine	Dentistry	Occupational therapy	Other	Total
Dhaka	Bangladesh Health Professionals Institute, Savar, Dhaka	2007	20	0	0	10	15 (Speech therapy)	45
	Bangladesh Medical College, Dhanmondi, Dhaka	2008	50	75	50	0	0	175
	Bangladesh Shishu Shaystha Institute, Sher-e-Bangla Nagar, Dhaka	2008	0	25	0	0	0	25
	Gono Shaystho University, Savar, Dhaka	2005	40	0	0	0	0	40
	Institute of Medical Technology, Mirpur, Dhaka	2007	0	30	30	0	0	60
	International Institute of Health Science, Shewrapara, Dhaka	2010	30	30	30	0	0	90
	Mark's Institute of Medical Technology, Mirpur, Dhaka	2008	0	50	50	0	0	100
	New Lab Institute of Medical Technology, Iqbal Road, Mohammadpur, Dhaka	2010	0	30	30	0	0	60
	SIAC Institute of Medical Technology, Dhaka	2007	50	50	50	0	0	150

Table-28. Continued...

Division	Name of institution with location	Estd.	Physiotherapy	Lab Medicine	Dentistry	Occupational therapy	Other	Total
	State University, Mohammadpur, Dhaka	2006	50	50	30	0	Opt-50 (Optometry)	180
	The People's University, Dhanmondi, Dhaka	2007	25	0	0	0	0	25
Khulna	Chittagong institute of medical Technology, Haliashahar, Khulna	2008	0	50	50	0	50 (Ph)	150
Rajshahi	Institute of Health Technology, Tuni Bhaban, Rajshahi	2007	0	25	0	0	0	25
	Prime Institute of Health Technology, Talaimari, Rajshahi	2007	50	0	50	0	0	100
	Prime Institute of Science & Technology, Rangpur	2008	0	50	0	0	0	50
Total institutions = 15		Total	315	465	370	10	115	1275

On the job training provided under the operational plan of In-service Training (IST)

Under the operation plan of In-service Training, large of number of health personnel and staffs receive on the job training each year. A summary of the type of training programs and number of participants of these training programs is given in Table-29.

Table-29. Type of training given under operational plan of In-service Training Service in 2009 and number of participants of these training programs

Location of Training	Name of Training	No. of participants
Within country	Clinical Training	543
	Computer / IT Training	2,514
	Management training	13,058
	Six Months' Training for Doctors on Anesthesiology (EmOC)	116
	Six Months' Training for Doctors on Obstetrics & Gynecology (EmOC)	104
	Training Complimentary to Essential Service Package (ESP)	2,134
	Training on Essential Service Package (ESP)	5,419
Overseas	Overseas Training	83
Total=		23,970

Yearly output from medical and dental colleges of Bangladesh

Table-30 shows the year-wise number of new doctors produced from different medical and dental colleges of Bangladesh.

Table-30. Number of new doctors produced from different medical and dental colleges of Bangladesh by year

Name of Medical or Dental College	Y2004	Y2005	Y2006	Y2007	Y2008	Y2009	Total
Dhaka Medical College	108	158	132	170	207	147	922
Sir Salimullah Medical College	197	148	174	142	153	155	969
Rajshahi Medical College	284	176	160	130	147	139	1,056
Rangpur Medical College	246	192	151	158	83	-	997
Mymensingh Medical College	197	181	150	149	124	162	963
Chittagong Medical College	208	279	198	174	125	142	1,126
MAG Osmani Medical College	148	165	296	197	127	161	1,094
Shere Bangla Medical College	253	188	170	149	136	143	1,039
Faridpur Medical College	68	38	78	40	42	59	325
SZR Medical College	68	67	59	78	46	-	318

Table-30. Continued...

Name of Medical or Dental College	Y2004	Y2005	Y2006	Y2007	Y2008	Y2009	Total
Dinajpur Medical College	47	39	49	62	41	50	288
Khulna Medical College	61	54	48	43	47	61	314
Comilla Medical College	68	52	57	54	40	52	323
Dhaka Dental College	81	307	309	326	69	79	1,171
Chittagong Dental College	13	9	-	-	-	18	40
Rajshahi Dental College	13	15	-	-	-	37	65
Total=	2,060	2,068	2,031	1,872	1,387	1,405	10,990

Figure-1 shows the percent distribution of medical and dental doctors produced from different medical and dental colleges in 2009. Table-16.29 shows the year-wise percent distribution of male and female doctors produced from different medical and dental colleges from 2004 to 2009.

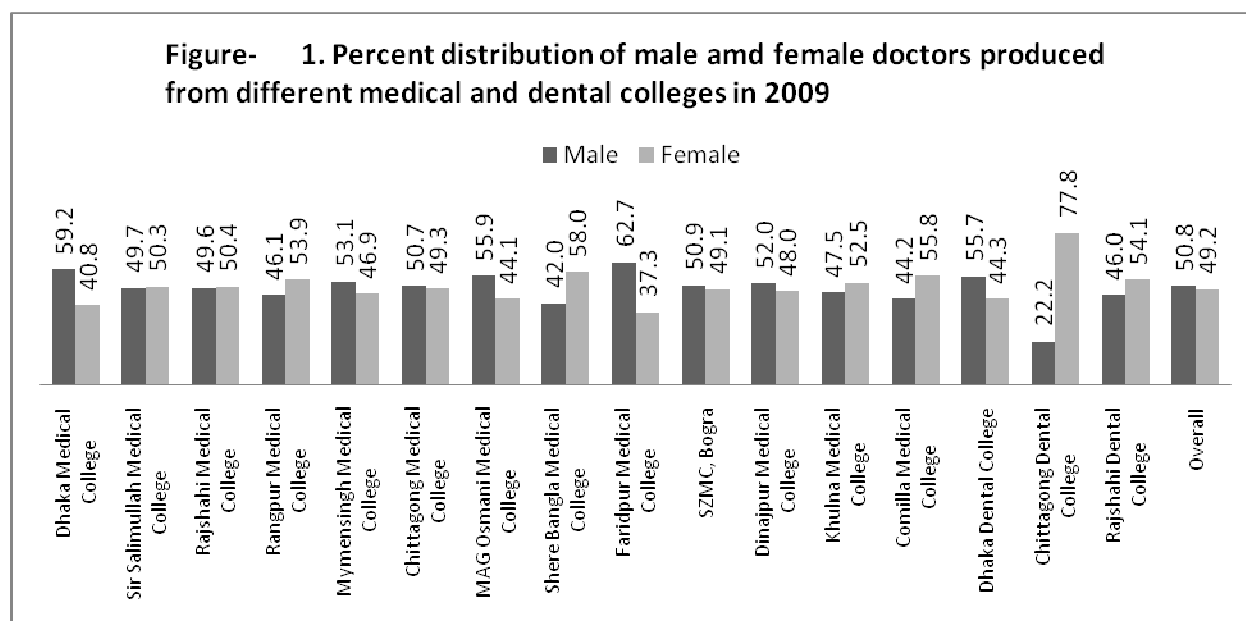


Table-31. Number of new doctors produced from different medical and dental colleges of Bangladesh by year

Name of Medical or Dental College	Y2004		Y2005		Y2006		Y2007		Y2008		2009	
	M	F	M	F	M	F	M	F	M	F	M	F
Dhaka Medical College	53.7	46.3	47.5	52.5	52.3	47.7	57.6	42.4	69.6	30.4	59.2	40.8
Sir Salimullah Medical College	55.3	44.7	48.6	51.4	58.6	41.4	48.6	51.4	61.4	38.6	49.7	50.3
Rajshahi Medical College	63.7	36.3	55.1	44.9	63.8	36.3	70	45.4	61.2	38.8	49.6	50.4
Rangpur Medical College	71.5	28.5	59.9	40.1	47.7	52.3	51.9	48.1	38.6	61.4	46.1	53.9
Mymensingh Medical College	51.8	48.2	56.4	43.6	58.7	41.3	47.7	52.3	50.8	49.2	53.1	46.9
Chittagong Medical College	67.3	32.7	61.3	38.7	58.6	41.4	57.5	42.5	52	48	50.7	49.3
MAG Osmani Medical College	53.4	46.6	53.3	46.7	45.9	54.1	56.9	43.1	48.8	51.2	55.9	44.1
Shere Bangla Medical College	62.1	37.9	59.6	40.4	56.5	43.5	47.7	52.3	54.4	45.6	42.0	58.0

Table-31. Continued...

Name of Medical or Dental College	Y2004		Y2005		Y2006		Y2007		Y2008		2009	
	M	F	M	F	M	F	M	F	M	F	M	F
Faridpur Medical College	54.4	45.6	57.9	42.1	50	50	47.5	52.5	50	50	62.7	37.3
SZMC, Bogra	50.0	50	52.2	47.8	35.6	64.4	50	50	50	50	50.9	49.1
Dinajpur Medical College	48.9	51.1	53.8	46.2	46.9	53.1	56.5	43.5	51.2	48.8	52.0	48.0
Khulna Medical College	57.4	42.6	53.7	46.3	64.6	35.4	55.8	44.2	51.1	48.9	47.5	52.5
Comilla Medical College	45.6	54.4	30.8	69.2	42.1	57.9	51.9	48.1	27.5	72.5	44.2	55.8
Dhaka Dental College	61.7	38.3	51.1	48.9	51.1	48.9	49.1	50.9	49.3	50.7	55.7	44.3
Chittagong Dental College	92.3	7.7	66.7	33.3	-	-	-	-	-	-	22.2	77.8
Rajshahi Dental College	69.2	30.8	60	40	-	-	-	-	-	-	46.0	54.1
Overall	59.9	40.1	54.5	45.5	53.0	47.0	53.4	47.7	54.7	45.3	50.8	49.2