

SECONDARY AND TERTIARY HEALTHCARE

Secondary and tertiary-care facilities are those that provide more advanced or specialty-care than the primary healthcare facilities at the ward, union and upazila levels. However, many of the upazila health complexes have clinical specialists who provide specialty-care to the patients.

The district hospitals are usually termed secondary hospitals as these have fewer facilities for specialty-care compared to many in the medical college hospitals. There are also different types of specialty-care centers, such as infectious disease hospitals, tuberculosis hospitals, leprosy hospitals, which fall under health facilities of secondary care. The medical college hospitals are located in the regional level, one for several districts, and are affiliated with medical colleges and provide specialty-care in many disciplines. These hospitals are called tertiary hospitals. Tertiary hospitals also include the super-specialty hospitals at the national level or centers that provide high-end medical services in a specific field.

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Although an overview of primary-care hospitals and health centers located at the upazila level and below is presented in Chapter 4, a summary is presented also in this chapter to help recap the information on primary healthcare in the broader context of health facilities in the country. Table 5.1 shows the number of primary healthcare facilities in Bangladesh as of 2011.

Table 5.1. Primary healthcare hospitals and health centers in Bangladesh (2011)

Type of hospitals/Health centers	No. of facilities	No. of functional beds
A. Upazila health complex (run by the DGHS)		
Upazila health complex (50-bed)	248	12,400
Upazila health complex (31-bed)	165	5,115
Upazila health complex (new 20-bed)	1	20
Upazila health complex (10-bed)	11	110
Total no. of upazila health complexes (UHCs)	425	17,645
B. Other hospitals at the upazila level (run by the DGHS)		
10-bed hospital	5	50
20-bed hospital	18	360
20-bed trauma center	5	100
30-bed hospital	1	30
31-bed hospital	5	155
Total no. of hospitals at the upazila level other than UHCs	34	695
Total no. of hospitals at the upazila level	459	18,340

Table 5.1 Continued

Type of hospitals/Health centers	No. of facilities	No. of functional beds
C. Outdoor health facilities at the union level (run by the DGHS)		
Union subcenter	1,382	-
Union health and family welfare center	87	-
Total outdoor facilities at the union level	1,469	-
D. Outdoor health facilities at the ward level (run by the Community Clinics Project)		
Community clinics (functional)	11,816	-

Under the Health, Nutrition and Population Sector Program (HNPS) 2003-2011 of the Ministry of Health and Family Welfare, the Director of Primary Health Care, being the Line Director for the Operational Plan of Essential Service Delivery, was entrusted with the responsibility of management and supervision of the hospitals and health facilities at the upazila level. There was a program-component called "Support Services" in the Operational Plan to provide financial and technical assistance to these primary healthcare hospitals and centers. In the Health, Population and Nutrition Sector Development Program (HPNSDP) 2011-2016, the system is continuing. The establishment of community clinics is one of the top priority programs of the present Government of Bangladesh, and there is a plan to gradually establish 18,000 community clinics in the rural areas, with one community clinic for every 6,000 people. As of now, 11,816 community clinics are in operation. Considering the need for rapid establishment of all community clinics and institutionalizing these with active community participation, the Government has undertaken a

new project called "Revitalization of Community Health Care Initiatives in Bangladesh." However, the project is well-known as Community Clinics Project. An independent project office headed by a Project Director, directly under the MoHFW, looks after the implementation of the Community Clinics Project.

Secondary and Tertiary Hospitals

The hospitals other than those designated as primary healthcare hospitals under the DGHS are looked after by the Director of Hospital. The Director of Hospital was also the Line Director of the Operational Plan called "Improved Hospital Services Management" under HNPS 2003-2011. In HPNSDP 2011-2016, the Operational Plan has been renamed "Improved Hospital Services Management and Safe Blood Transfusion Services." All these hospitals and healthcare centers belong to the category of secondary and tertiary healthcare facilities. Table 5.2 summarizes the number and bed-capacity in different types of these hospitals and healthcare centers. Further details, including list and bed-capacity of each type of hospitals, are provided in the annexure.

Table 5.2. Secondary and tertiary hospitals/health centers under the DGHS

Type of hospitals	No.	Functional beds	Revenue beds	Development beds	Proposed beds	No. of beds to be increased
Specialized hospitals affiliated with postgraduate teaching institutes	7	2,174	1,550	624	2,274	100
Medical college hospitals/ Dental college hospitals/ Hospitals affiliated with colleges for alternative medicines (some colleges have postgraduate teaching facilities)	22*	10,480	8,855	1,625	13,760	3,280
Specialized centers	3	200	0	200	300	100
Specialized hospitals	2	750	400	350	750	0

Table 5.2 Continued

Type of hospitals	No.	Functional beds	Revenue beds	Development beds	Proposed beds	No. of beds to be increased
Infectious disease hospitals	5	180	180	0	180	0
District hospitals	53	7,800	5,720	2,080	9,100	1,300
General hospitals	9	1,250	1,150	100	1,400	150
Chest diseases/TB hospitals	12	546	546	0	796	250
Leprosy hospitals	3	130	130	0	130	0
Other hospitals	5	305	250	55	355	50
Hospitals currently functional	120	23,815	18,781	5,034	29,045	5,230
Proposed new hospitals	4	0	0	0	1,600	1,600
Total	124	47,130	36,962	10,168	61,040	13,910

* Hospitals have not been established yet in five new medical colleges (Cox's Bazar, Jessore, Noakhali, Gopalganj, and Pabna). Hence, the actual number of medical and dental college hospitals is 17)

Bangabandhu Sheikh Mujib Medical University

The Ministry of Health and Family Welfare provides financial assistance to Bangabandhu Sheikh Mujib Medical University (BSMMU) as well as to its affiliated hospital. BSMMU is the only Medical University in Bangladesh. Therefore, BSMMU Hospital is the only Medical University Hospital in Bangladesh. Both university and the hospital are autonomous. BSMMU Hospital has 1,212 beds, of which 452 are free beds. The BSMMU Hospital has 48 clinical departments, 105 cabins, and 18 operation theaters.

Distribution of Hospitals and Hospital Beds by Division

Table 5.3 shows the distribution of the secondary and tertiary hospitals by

administrative division. Dhaka division has the highest number (40) of secondary and tertiary hospitals, followed by Chittagong division with 18. Barisal division has the lowest number (8) of such hospitals. Of the total 17 medical colleges hospitals, 8 are in Dhaka division (47.06%), followed by 2 each in Chittagong, Rangpur, and Rajshahi division (11.77%), 1 each in Khulna, Barisal, and Sylhet division (5.88%). There is no infectious disease hospital in Barisal and Rangpur divisions but each of the other 5 divisions has one infectious disease hospital. Rajshahi division has the highest number of chest hospitals (3 out of 12 in the country). Each of Chittagong, Khulna, and Sylhet divisions has 2 chest hospitals. Each of Barisal, Dhaka, and Rangpur divisions has one chest hospital.

Table 5.3. Distribution of secondary and tertiary public hospitals under the DGHS by division (2011)

Type of hospitals	No. and %	Barisal	Chittagong	Dhaka	Khulna	Rajshahi	Rangpur	Sylhet	Total
All secondary and tertiary hospitals	No. %	8 6.67	18 15.00	40 33.33	17 14.17	16 13.33	12 10.00	9 7.50	120 100.00
Medical college hospitals	No. %	1 5.88	2 11.77	8 47.06	1 5.88	2 11.77	2 11.77	1 5.88	17 100.00
Infectious disease hospitals	No. %	0 0.00	1 20.00	1 20.00	1 20.00	1 20.00	0 0.00	1 20.0	5 100.00
Chest hospitals	No. %	1 8.33	2 16.67	1 8.33	2 16.67	3 25.00	1 8.33	2 16.67	12 100.00

Available number of beds for the population in the catchment areas is one of the good proxies for measuring the strength of healthcare infrastructure. Table 5.4 shows the distribution of medical college hospitals and also of secondary- and other tertiary-care hospitals with total bed-capacity in each division.

Table 5.4. Distribution of beds among the secondary and tertiary public hospitals under the DGHS by division (2011)

Type of hospitals	Indicator	Barisal	Chittagong	Dhaka	Khulna	Rajshahi	Rangpur	Sylhet	Total
Medical college hospitals	No.	1	2	8	1	2	2	1	17
	No. of beds	600	1,510	4,420	500	1,050	1,500	900	10,480
Secondary and other tertiary hospitals	No.	8	18	40	17	16	12	9	120
	No. of beds	1,370	3,550	9,454	2,265	2,410	2,490	1,776	23,315

Figure 5.1 shows the population:bed ratios for the medical college hospitals, and Figure 5.2 for the secondary- and other tertiary-care hospitals in different divisions. It is revealed from these figures that Khulna division has the paucity of beds in medical college hospitals (only one bed per 31,126 people) compared to other divisions, the national average being one bed per 13,580 people. However, two new medical colleges have been established in this division (Jessore and Sathkhira districts). The number of people per bed in medical college hospitals in other divisions varies between 10,572 (Dhaka) and 18,595 (Chittagong).

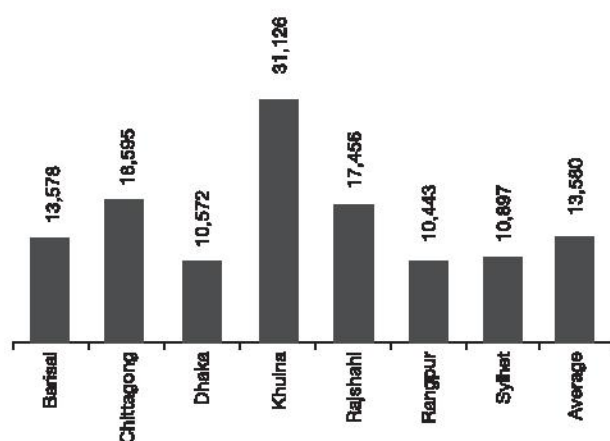


Figure 5.1. Number of population per bed (medical college hospitals) in different divisions of Bangladesh

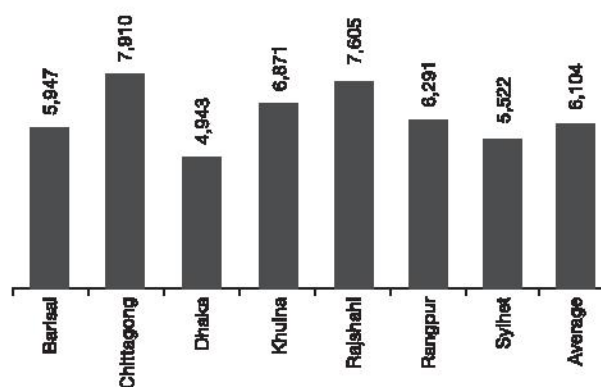


Figure 5.2. Number of population per bed (secondary- and other tertiary-care hospitals) in different divisions of Bangladesh

Private Hospitals

As of 2011, there were 7,623 registered hospitals, clinics, and diagnostic centers in the private sector, of which 2,501 were registered hospitals and clinics, and 5,122 were registered diagnostic centers. The total number of beds in the registered private hospitals and clinics was 42,237. The MIS-Health received information on the number of sanctioned beds, free beds, departments, wards, cabins, and operation theaters in some of the private and non-profit hospitals. Table 5.5 summarizes the information.

Table 5.5. Distribution of beds, wards, cabins, and operation theaters in some private hospitals (2011)

Name of private facility	Sanctioned bed (N)	Free bed (N)	Department (N)	Ward (N)	Cabin (N)	Operation theater (N)
A K Eye Hospital, Magura	10	0	1	6	4	1
Ad-Din Medical College Hospital, Dhaka	500	290	23	15	98	7
Ahamedia General Hospital, Mymensingh	10	0	0	2	2	1
Ahsania Clinic, Debhata, Satkhira	10	0	2	2	2	1
Akota Clinic & Diagnostic Center, Rajshahi	10	1	3	3	6	1
Akota Clinic, Satkhira Sadar	10	0	2	2	2	1
Al-Amin Nursing Home, Mymensingh Sadar	10	0	0	2	8	1
Al Hera Private Hospital, Magura	10	0	0	3	4	1
Al-Modina Clinic, Magura	10	0	0	6	4	1
Al Safa (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	4	1
Al Zannat (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	4	1
Al-Baraka Clinic, Magura	10	0	0	7	3	1
Albaraka Clinic, Laxmipur, Rajshahi	10	0	4	2	2	1
Ambia Hospital, Bogura Road, Barisal	50	0	4	6	15	2
Amena Clinic, Talaimari, Rajshahi	10	0	2	4	4	1
Anowara Clinic, Satkhira Sadar	10	1	3	2	1	1
Apollo Hospital & Diagnostic Complex, Maijdee Bazar, Noakhali	20	0	3	12	8	2
Apollo Hospitals, Dhaka	304	0	31	15	49	8
Apollo Nursing Home, Sripalpara, Rajshahi	10	0	3	3	3	1
Aroggo Clinic, Magura	10	0	4	6	4	1
Asha (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	1	1
Avicena Hospital Ltd., Sirajganj Sadar	30	0	4	10	20	4
Bangladesh Clinic, Upashahor, Rajshahi	10	1	4	4	1	1
Barisal Poly Clinic, Bangla Bazar, Barisal	10	0	3	2	6	1
Bashundhara (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	8	1
Bengal Community, Ullapara, Sirajganj	20	0	3	2	4	1
BIRDEM Hospital, Dhaka	596	118	0	27	117	11
BNSB Eye Hospital, Sirajganj Sadar	100	20	4	9	11	2
Bonshepur Nursing Home, Shyamnagar, Satkhira	10	0	2	2	2	1
Brizee Hospital, Laxmipur, Rajshahi	10	2	3	2	2	1
Care Nursing Home, Laxmipur, Rajshahi	10	0	4	2	3	1
Central Hospital, Sirajganj Sadar	15	3	5	12	10	2
Chowmohani General Hospital, Begumganj, Noakhali	10	0	1	0	10	1
Christian Hospital, Chandraghona, Chittagong	125	0	10	10	10	3
City Clinic, Satkhira Sadar	10	0	3	2	2	1
City Hospital Private, Maijdee, Noakhali	40	2	5	2	27	2
Damien Foundation. Netrakona TB & Leprosy Hospital, Anantapur, Netrakona	52	52	1	10	0	0
Dhaka Community Hospital, Dhaka	250	75	14	3	20	2
Dobir Uddin Hospital, Kasladanga, Rajshahi	10	1	5	4	2	1
Dolphin Clinic, Bornalimur, Rajshahi	30	2	6	2	15	2
Dr Moklessur Clinic, Sadar Road, Barisal	40	0	4	3	12	2
Dr.Khadem Hossain Clinic, Bangla Bazar, Barisal	10	0	3	3	2	2

Table 5.5 Continued

Name of private facility	Sanctioned bed (N)	Free bed (N)	Department (N)	Ward (N)	Cabin (N)	Operation theater (N)
Dream Hospital, Begunganj, Noakhali	30	0	5	15	15	1
East West Medical College Hospital, Uttara, Dhaka	400	80	14	14	29	6
Eden Nursing Home, Alekanda, Barisal	20	2	3	3	8	1
Ehsan General Hospital, Magura	10	0	0	5	5	1
EM Center, Mohishbathan, Rajshahi	10	0	5	3	5	1
Equashey Hospital (Pvt), Mymensingh Sadar	10	0	0	2	2	1
Fair Health Clinic, Barisal	40	0	3	2	18	2
Faruk Al-Nasir Hospital, Kazipur, Sirajganj	10	0	-	-	-	0
Farzina Clinic Kazipur, Sirajganj	10	0	3	2	4	1
Fatema Nursing Home, Mymensingh Sadar	10	0	0	2	7	2
Fatima Nursing Home, Laxmipur, Rajshahi	10	0	5	5	3	1
Good Heal Hospital, Maijdee, Noakhali	40	5	3	4	22	2
Gorib Shah Clinic, Magura	10	0	1	3	4	1
Gorib-E-Nawaz Clinic, Talaimari, Rajshahi	10	1	3	3	3	1
Hasina Clinic & Nursing Home, Magura	10	0	0	7	3	1
Health Care Clinic, Parara Road, Barisal	20	0	4	4	8	1
ICDDR,B Hospital, Dhaka	300	300	2	15	29	13
Impact Masudul Haque Community Health Centre, Chuadanga	10	0	2	2	1	2
Islami Bank Hospital, Dhaka	160	0	9	8	76	5
Islami Bank Hospital, Chandmary, Barisal	50	0	16	4	20	2
Islami Bank Hospital, Laxmipur, Rajshahi	63	0	8	6	30	2
Islami General Hospital, Kashorhat, Rajshahi	10	0	2	3	1	1
Islami General Hospital, Nowhata, Rajshahi	10	0	5	2	2	1
Islamia Poly Clinic Bangla Bazar, Barisal	10	0	1	1	6	1
Jahangir Health Complex, Mymensingh Sadar	10	0	0	2	6	1
Jalalabad Ragib-Rabeya Hospital, Sylhet	890	9	14	18	120	10
Jamjam Islami Clinic, Laxmipur, Rajshahi	10	2	3	3	3	1
Jamuna (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	4	1
Jamuna Clinic, Kaliganj, Satkhir	10	0	2	2	2	1
Jamuna Clinic, Laxmipur, Rajshahi	10	0	3	2	4	1
Janani General Hospital, Noakhali Sadar	40	0	0	2	23	1
Janaseba Clinic, Assasuni, Satkhira	10	0	3	2	2	1
Janaseba Clinic & Nursing Home, Magura	10	2	3	3	2	1
Janata Clinic & Nursing Home, Magura	10	0	0	1	3	1
Janata Clinic, Shipaipara, Rajshahi	10	1	2	2	5	1
Kaisar Memorial Hospital, Uposhohor, Cure Nursing Home, Laxmipur, Rajshahi	9	0	3	2	2	1
Khawja Younus Ali Medical College and Hospital, Chowhali, Sirajganj	400	40	67	19	72	9
Labib (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	8	1
Life Care Hospital, Mymensingh Sadar	10	0	0	3	4	1
Lion Eye Institute & Hospital, Dhaka	84	10	6	6	10	4
Luthern Health Care of Bangladesh, Dumki, Patuakhali	40	0	3	2	8	2
Mamota Clinic, Kali Bari Road, Barisal	20	0	4	2	18	2
Maya Clinic, Mymensingh Sadar	10	0	0	2	1	1

Table 5.5 Continued

Name of private facility	Sanctioned bed (N)	Free bed (N)	Department (N)	Ward (N)	Cabin (N)	Operation theater (N)
Medical College for Women and Hospital, Uttara, Dhaka	350	50	11	7	23	4
Medinova Hospital, Sirajganj Sadar	30	2	5	16	14	2
Mediplus Hospital & Diagnostic Center, Mymensingh Sadar	10	0	0	2	6	1
Micropath Diagonostic and Clinic, Laxmipur, Rajshahi	10	1	5	3	5	1
Modern Hospital Private, Maljdee, Noakhali	40	0	5	8	32	2
Mohanagar Clinic, Kazihata, Rajshahi	10	1	3	3	5	1
Moin Uddin Hospital, Sirajganj Sadar	10	0	1	2	8	2
Monowara Hospital, Hatkhola Road, Dhaka	74	4	6	26	48	3
Motherland Clinic, Laxmipur, Rajshahi	10	2	3	2	6	1
Mother's Clinic, Uposhohor, Rajshahi	10	0	2	3	2	1
Mukti Clinic, Magura	10	0	2	2	2	1
Mukti Clinic, Laxmipur, Rajshahi	30	0	4	3	15	2
Muslim Aid Community Hospital, Pirojpur Sadar	20	0	3	3	5	1
Nabila General Hospital, Begumganj, Noakhali	10	0	4	1	7	1
Nagorick (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	5	1
Nalta Hospital, Kaliganj, Satkhira	20	0	6	2	3	2
Nasima Nursing Home, Mymensingh Sadar	10	0	0	2	6	3
Nazma Nursing Home, Mymensingh Sadar	10	0	0	2	5	1
New Arafat Clinic, Magura	10	0	0	4	2	1
New Surgical Clinic, Magura	10	0	0	7	3	1
Nibedita Nursing Home, Assasuni, Satkhira	10	0	2	4	1	1
Niramoya Clinic, Mymensingh Sadar	10	0	0	2	4	2
North Bengal M. C & Hospital, Sirajganj Sadar	400	120	12	10	30	6
Padma Clinic, Magura	10	0	1	2	3	1
Padma Clinic, Kazihata, Rajshahi	20	1	2	2	10	1
Paricharja(Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	5	1
Paromita Eye Hospital, Mymensingh Sadar	10	0	0	2	4	2
PKS Clinic, Sadar, Satkhira	10	0	1	1	5	1
Poly Clinic, Magura	10	0	2	6	4	1
Prime Hospital Ltd., Hospital Road, Maljdee, Noakhali	60	2	3	4	34	2
Rabeya Banu General Hospital, Biswanath, Sylhet	6	1	11	2	0	1
Raihana Clinic, Puthia, Rajshahi	10	0	2	4	2	1
Rajdhani (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	3	1
Razzak Memorial Clinic, Alekanda, Barisal	10	0	1	2	6	1
Rokeya (Pvt) Hospital, Mymensingh Sadar	10	0	0	2	6	1
Safeway (Pvt) Hospital, Mymensingh Sadar	28	0	0	2	6	2
Salam (Pvt) Hospital, Mymensingh Sadar	20	0	0	2	9	2
Saleha Clinic, Magura	10	0	0	2	4	1
Salma Clinic, Mymensingh Sadar	10	0	0	2	1	1
Samata Nursing Home, Laxmipur, Rajshahi	10	2	2	4	0	1
Sarri Private Hospital, Magura	20	0	2	14	6	1
Sarmin Private Clinic & Nursing Home, Magura	10	0	2	2	4	1
Satata Clinic, Satkhira Sadar	10	1	3	2	2	1
Satata Private Hospital, Sreepur, Magura	10	0	0	8	2	1
Seba Clinic, Magura	10	0	0	2	2	1

Table 5.5 Continued

Name of private facility	Sanctioned bed (N)	Free bed (N)	Department (N)	Ward (N)	Cabin (N)	Operation theater (N)
Seba General Hospital, Ullapara, Sirajganj	10	0	2	2	1	1
Shagata Clinic, Tala, Satkhira	10	0	2	2	2	1
Shahid Mansur Ali Medical College Hospital, Uttara, Dhaka	500	200	19	13	20	6
Shapla Nursing Home, Mymensingh Sadar	10	0	0	2	9	1
Sharmin Nursing Home, Rajshahi	10	1	2	2	7	1
Sheba Clinic, Kalaroa, Satkhira	10	0	2	2	2	1
Shemul Clinic, Satkhira Sadar	10	0	2	2	2	1
Shurakha Nursing Home, Mymensingh Sadar	10	0	0	2	10	1
Soudla Hospital, Rajpara, Rajshahi	10	0	4	2	2	1
Sreepur Clinic, Sreepur, Magura	10	0	2	2	2	1
Sunmoon Clinic, Magura	10	0	3	3	4	1
Sunrise Clinic, Magura	10	0	2	2	2	1
Surgecare Clinic, Pirojpur Sadar	40	0	0	3	14	2
The Akota Clinic, Ghose Para, Rajshahi	10	0	6	2	2	1
The Ibn-sina Clinic, Magura	10	0	2	2	2	1
Trauma Center General Hospital, Mymensingh Sadar	10	0	0	2	5	1
Ullapara Hospital, Ullapara, Sirajganj	10	3	2	3	2	2
Upasam (Pvt.) Hospital, Mymensingh Sadar	10	0	0	2	3	1
Uttara Adhunik Medical College Hospital, Uttara, Dhaka	500	0	12	12	0	11
Uttaran Nursing Home, Mymensingh Sadar	10	0	0	2	8	1
Uttarbanga Islami Hospital, Laxmipur, Rajshahi	10	0	3	4	4	1
Woodland Hospital & Diagono Complex, Maljdee, Noakhall	20	0	3	8	12	1
Z.H.Sikder Women's Medical College Hospital, Dhaka	100	0	0	2	17	2
Total	8,086	1,411	554	676	1,602	278

This chapter reveals that the population:bed ratios in the secondary- and tertiary-care facilities in the country are inadequate. The numbers of beds in private hospitals are

also quite low. Therefore, to ensure better healthcare for the citizens, the number of higher-level health facilities should be increased.