

Contents

Bed Utilization 2003 - 2007	Table 15.1, page 3	2007 - 2003
Beds Distribution 2003 - 2007	Table 15.2, page 3	2007 - 2003
Discharges (Alive and Dead) by Department 2007	Table 15.3, page 4	2007 ()
Out-Patient Visits by Department, Nationality and Sex 2007	Table 15.4, page 5	2007
Medical and Allied Health Manpower by Category, Nationality and Sex 2007	Table 15.5, page 6	2007
Births by Nationality and Type of Delivery 2007	Table 15.6, page 7	2007
Major and Minor Operations by Department 2007	Table 15.7, page 8	2007
Dental Treatment by Type of Treatment, Nationality and Sex 2007	Table 15.8, page 9	2007
Immunizations by Type of Vaccine, Age Groups and Nationality 2007	Table 15.9, page 10	2007
Laboratory Tests by Type of Test, Nationality and Sex 2007	Table 15.10, page 11	2007
Radiology Procedures by Type of Procedure, Nationality and Sex 2007	Table 15.11, page 11	2007
Laboratory Tests by Type of Test 2003 - 2007	Table 15.12, page 12	2007 - 2003
Radiology Procedures by Type of Procedure 2003 - 2007	Table 15.13, page 12	2007 - 2003
Deaths by Principal Diagnosis, Length of Stay, Nationality and Sex 2007	Table 15.14, page 13	2007
Discharges (Alive and Dead) by Principal Diagnosis and Age Groups 2007	Table 15.15, page 14	2007 ()
Discharges (Alive and Dead) by Principal Diagnosis, Nationality and Sex 2007	Table 15.16, page 16	2007 ()

المحتويات

Table 15.1
2007 - 2003
Bed Utilization 2003 - 2007

<i>Description</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>
Total admissions	4,449	4,176	3,592	2,392	1,521
Total discharges	4,359	4,137	3,564	2,398	1,483
Number of beds	56	56	56	56	54
Bed days available	20,440	20,440	20,440	20,496	19,710
Patient days-overnight	11,662	10,732	9,890	6,662	4,361
Patients days < 1 day	1,424	1,358	1,131	828	773
Total patients days	13,086	12,090	11,021	7,490	5,134
Bed occupancy rate	64.0	59.1	53.9	36.5	26.0
Turnover rate	77.8	73.9	63.6	42.8	27.5
Turnover interval	1.7	2.0	2.6	5.4	9.8
Average daily admission	12.2	11.4	9.8	6.5	4.2
Average daily discharge	11.9	11.3	9.8	6.6	4.1
Average length of stay	3.0	2.9	3.1	3.1	3.5

Table 15.2
2007 - 2003
Beds Distribution 2003 - 2007

<i>Service</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>
Medical / Surgical	44	44	44	44	44
Obstetrics / Gynecology	12	12	12	12	12
Total	56	56	56	56	56

Table 15.3
2007 ()
Discharges (Alive and Dead) by Department 2007

<i>Department</i>	<i>Total</i>		<i>Dead</i>		<i>Alive</i>	
	<i>%</i>	<i>No.</i>	<i>%</i>	<i>No.</i>	<i>%</i>	<i>No.</i>
Medical	45.6	1,988	55.6	5	45.6	1,983
Ear, Nose & Throat	2.9	128	-	-	2.9	128
Obstetrics/Gynecology	38.1	1,659	22.2	2	38.1	1,657
Surgery	7.0	305	11.1	1	7.0	304
Paediatric	6.0	261	11.1	1	6.0	260
Ophthalmology	0.4	18	-	-	0.4	18
Total	100.0	4,359	100.0	9	100.0	4,350

Table 15.4
2007
Out-Patient Visits by Department, Nationality and Sex 2007

<i>Department</i>	<i>Total</i>			<i>Non-Bahraini</i>			<i>Bahraini</i>		
	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>
General Practice	3,484	1,784	1,700	1,722	795	927	1,762	989	773
Dental	2,492	1,231	1,261	1,526	721	805	966	510	456
Medical	31,956	16,576	15,380	14,943	6,821	8,122	17,013	9,755	7,258
Obstetrics & Gynecology	16,485	16,244	241	4,770	4,705	65	11,715	11,539	176
Urology	1,539	299	1,240	609	91	518	930	208	722
Paediatrics	5,737	2,810	2,927	2,843	1,348	1,495	2,894	1,462	1,432
Surgical	2,091	1,165	926	813	449	364	1,278	716	562
Orthopedics	5,042	2,345	2,697	1,679	755	924	3,363	1,590	1,773
Ear, Nose & Throat	3,661	1,744	1,917	1,219	570	649	2,442	1,174	1,268
Dermatology	4,514	2,965	1,549	2,149	1,362	787	2,365	1,603	762
Psychiatric	978	567	411	253	142	111	725	425	300
Ophthalmology	1,771	857	914	843	378	465	928	479	449
Neurology	1,602	815	787	689	320	369	913	495	418
Nephrology	2,054	1,070	984	1,013	420	593	1,041	650	391
Total	83,406	50,472	32,934	35,071	18,877	16,194	48,335	31,595	16,740

جدول 15.5
القوى العاملة بالمهن الطبية والمساعدة حسب الفئة و الجنسية و النوع 2007
Medical and Allied Health Manpower by Category, Nationality and Sex 2007

Category	Total			Non-Bahraini			Bahraini		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
Physicians	43	17	26	41	17	24	2	-	2
Dentists	2	-	2	2	-	2	-	-	-
Pharmacists & Technicians	8	7	1	7	6	1	1	1	-
Nurses *	50	48	2	50	48	2	-	-	-
Practical Nurses	5	5	-	5	5	-	-	-	-
Dental Hygienists & Technicians	2	2	-	2	2	-	-	-	-
Laboratory Technologists & Technicians	11	9	2	11	9	2	-	-	-
Radiographers & Technicians	9	4	5	9	4	5	-	-	-
Physiotherapists, Occupational Therapists & Technicians	7	4	3	7	4	3	-	-	-
Audio Visual Technician	1	-	1	1	-	1	-	-	-
Electro Cardiogram technician	1	-	1	1	-	1	-	-	-
Electro Encephalograph	1	-	1	1	-	1	-	-	-
Paramedic and Respiratory Specialist	3	2	1	3	2	1	-	-	-

* Nurses excluding practical nurses and other grades below staff nurse .

Table 15.6
2007
Births by Nationality and Type of Delivery 2007

<i>Births</i> <i>Nationality / type of delivery</i>	<i>Total Births</i>	<i>Still Births</i>	<i>Total Live Births</i>	<i>Live Births</i>				<i>/</i>
				<i>Premature</i>		<i>Full Term</i>		
				<i>Congenital Abnormalities</i>	<i>Normal</i>	<i>Congenital Abnormalities</i>	<i>Normal</i>	
Bahraini								
Normal Delivery								
Vertex	197	2	195	-	5	8	182	
Breech	-	-	-	-	-	-	-	
Assisted Delivery								
Vacuum	18	-	18	-	-	1	17	
Forceps	1	-	1	-	-	-	1	
Caesarian section	104	-	104	-	3	6	95	
Total Bahraini	320	2	318	-	8	15	295	
Non-Bahraini								
Normal Delivery								
Vertex	80	-	80	-	1	2	77	
Breech	-	-	-	-	-	-	-	
Assisted Delivery								
Vacuum	20	-	20	-	-	-	20	
Forceps	-	-	-	-	-	-	-	
Caesarian section	80	-	80	-	3	4	73	
Total Non-Bahraini	180	-	180	-	4	6	170	
On route to Hospital	-	-	-	-	-	-	-	
Grand Total	500	2	498	-	12	21	465	

Table 15.7
2007
Major and Minor Operations by Department 2007

<i>Department</i>	<i>Procedure Type</i>		
	<i>Total</i>	<i>Minor</i>	<i>Major</i>
General Surgery	278	103	175
Orthopedics & Fracture	252	54	198
Urology	194	80	114
Plastic Surgery	207	63	144
Paediatrics	61	61	-
Ear, Nose & Throat	102	16	86
Ophthalmology	12	8	4
Gynecology	499	200	299
Dental	13	2	11
Endoscopies	1,099
Total	2,717	587	1,031

Table 15.8
2007
Dental Treatment by Type of Treatment, Nationality and Sex 2007

<i>Type of Treatment</i>	<i>Total</i>			<i>Non-Bahraini</i>			<i>Bahraini</i>		
	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>
General treatment	1,656	785	871	1,091	499	592	565	286	279
Gum treatment	577	276	301	346	162	184	231	114	117
Nerve	89	41	48	59	29	30	30	12	18
Surgical treatment	463	224	239	216	101	115	247	123	124
Filling	790	405	385	467	217	250	323	188	135
Extraction	59	30	29	39	19	20	20	11	9
Denture	-	-	-	-	-	-	-	-	-
Others	57	33	24	47	27	20	10	6	4
Total	3,691	1,794	1,897	2,265	1,054	1,211	1,426	740	686

Table 15.9
2007
Immunization by Type of Vaccine, Age Groups and Nationality 2007

<i>Total</i>			<i>2 - 5 years</i>			<i>1 - 2 years</i>			<i>Below 1 year</i>			<i>Type of vaccine</i>
<i>Total</i>	<i>Non-Bahraini</i>	<i>Bahraini</i>	<i>Total</i>	<i>Non-Bahraini</i>	<i>Bahraini</i>	<i>Total</i>	<i>Non-Bahraini</i>	<i>Bahraini</i>	<i>Total</i>	<i>Non-Bahraini</i>	<i>Bahraini</i>	
												Hepatitis B/DPT/HIB
												/ ()
												() /
153	90	63	1	1	-	-	-	-	152	89	63	Dose 1
112	61	51	3	3	-	4	3	1	112	60	52	Dose 2
107	60	47	1	1	-	1	1	-	105	58	47	Dose 3
99	53	46	39	22	17	65	34	31	-	-	NA	Booster 1 dose
6	3	3	6	3	3	-	-	-	NA	NA	NA	Booster 2 dose
												Poliomyelitis
158	90	68	-	-	-	2	1	1	156	89	67	Dose 1
116	60	56	1	1	-	2	1	1	113	58	55	Dose 2
106	59	47	1	1	-	1	1	-	104	57	47	Dose 3
107	68	39	43	28	15	64	40	24	-	-	NA	Booster 1 dose
21	19	2	21	19	2	-	-	-	NA	NA	NA	Booster 2 dose
												Mumps, Measles, Rubella
122	71	51	18	13	5	104	58	46	-	-	-	Dose 1
9	5	4	9	5	4	NA	NA	NA	NA	NA	NA	Dose 2

Table 15.10
والجنسية والنوع 2007
Laboratory Tests by Type of Test, Nationality and Sex 2007

<i>Type of Test</i>	<i>Total</i>			<i>Non-Bahraini</i>			<i>Bahraini</i>		
	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>
Clinical chemistry of blood	39,719	19,764	19,955	15,725	7,817	7,908	23,994	11,947	12,047
Clinical chemistry of other body fluids	614	252	362	289	118	171	325	134	191
Chemical function tests	-	-	-	-	-	-	-	-	-
Endocrine function tests & enzymes	15,416	7,235	8,181	7,209	3,166	4,043	8,207	4,069	4,138
Microbiology	14,751	8,773	5,978	5,702	3,216	2,486	9,049	5,557	3,492
Serology & immunology	11,014	8,100	2,914	4,908	3,557	1,351	6,106	4,543	1,563
Mycology & parasitology	3,893	1,923	1,970	1,579	765	814	2,314	1,158	1,156
Haematology	18,098	10,380	7,718	7,196	4,169	3,027	10,902	6,211	4,691
General pathology	8,406	5,170	3,236	1,858	1,280	578	6,548	3,890	2,658
Other laboratories tests	3,882	2,417	1,465	1,738	1,173	565	2,144	1,244	900
Total	115,793	64,014	51,779	46,204	25,261	20,943	69,589	38,753	30,836

Table 15.11
2007
Radiology Procedures by Type of Procedure, Nationality and Sex 2007

<i>Type of Procedure</i>	<i>Total</i>			<i>Non-Bahraini</i>			<i>Bahraini</i>		
	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Female</i>	<i>Male</i>
Plain & general radiography	11,063	6,351	4,712	4,212	2,282	1,930	6,851	4,069	2,782
Radiography with contrast media	1,532	860	672	576	366	210	956	494	462
Total	12,595	7,211	5,384	4,788	2,648	2,140	7,807	4,563	3,244

Table 15.12
2007 - 2003
Laboratory Tests by Type of Test 2003 - 2007

<i>Type of Test</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>
Clinical chemistry of blood	39,719	37,651	18,629	11,878	11,872
Clinical chemistry of other body fluids	614	415	336	281	-
Endocrine function tests & enzymes	15,416	8,257	8,257	2,506	-
Microbiology	14,751	9,065	5,747	9,438	5,175
Serology & immunology	11,014	9,444	10,455	17,751	-
Mycology & parasitology	3,893	1,584	736	1,104	-
Haematology	18,098	14,230	8,240	5,465	4,106
General pathology	8,406	7,599	6,527	1,415	1,107
Other laboratories tests	3,882	2,977	2,754	923	149
Total	115,793	91,222	61,681	50,761	22,409

Table 15.13
2007 - 2003
Radiology Procedures by Type of Procedure 2003 - 2007

<i>Type of Procedure</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>
Plain & general radiography	11,063	9,922	9,830	8,873	4,790
Radiography with contrast media	1,532	1,140	853	695	306
Total	12,595	11,062	10,683	9,568	5,096

Table 15.14

2007

Deaths by Principal Diagnosis, Length of Stay, Nationality and Sex 2007

<i>Total</i>			<i>48 48 hrs & over</i>			<i>48 Less than 48 hrs</i>			<i>Sex</i>	<i>Principal Diagnosis of Death</i>	<i>ICD10 Code</i>
<i>Total</i>	<i>Non-Bah</i>	<i>Bah</i>	<i>Total</i>	<i>Non-Bah</i>	<i>Bah</i>	<i>Total</i>	<i>Non-Bah</i>	<i>Bah</i>			
-	-	-	-	-	-	-	-	-	Male	Diseases of the blood & blood-forming organs and disorder involving immune mechanism	D50-D89
1	-	1	1	-	1	-	-	-	Female		
1	-	1	1	-	1	-	-	-	Total		
1	-	1	-	-	-	1	-	-	1 Male	Diseases of the circulatory system	I00-I99
4	1	3	3	-	3	1	1	-	Female		
5	1	4	3	-	3	2	1	1	Total		
1	-	1	1	-	1	-	-	-	Male	Diseases of the respiratory system	J00-J99
-	-	-	-	-	-	-	-	-	Female		
1	-	1	1	-	1	-	-	-	Total		
-	-	-	-	-	-	-	-	-	Male	Diseases of the digestive system	K00-K93
1	-	1	1	-	1	-	-	-	Female		
1	-	1	1	-	1	-	-	-	Total		
-	-	-	-	-	-	-	-	-	Male	Congenital Malformations, Deformations and Chromosomal Abnormalities	Q00-Q99
1	-	1	-	-	-	1	-	-	1 Female		
1	-	1	-	-	-	1	-	-	1 Total		
2	-	2	1	-	1	1	-	-	1 Male	Total	
7	1	6	5	-	5	2	1	-	1 Female		
9	1	8	6	-	6	3	1	2	Total		

جدول 15.15
2007 ()
Discharges (Alive and Dead) by Principal Diagnosis and Age Groups 2007

Total	70+	60-69	50-59	40-49	30-39	20-29	10-19	1-9	< 1 yr		Principal Diagnosis	ICD-10 Code
124	8	10	7	8	11	20	5	54	1	Alive	Infectious & parasitic diseases	A00-B99
-	-	-	-	-	-	-	-	-	-	Dead		
109	22	14	17	26	21	4	4	1	-	Alive	Neoplasms	C00-D49
1	-	-	-	1	-	-	-	-	-	Dead		
27	1	-	1	15	5	1	-	3	1	Alive	Diseases of the blood & blood-forming organs and disorder involving immune mechanism	D50-D89
-	-	-	-	-	-	-	-	-	-	Dead		
137	22	21	24	25	9	10	5	21	-	Alive	Endocrine, Nutritional & Metabolic Diseases	E00-E90
-	-	-	-	-	-	-	-	-	-	Dead		
34	1	2	3	6	9	12	1	-	-	Alive	Mental & behavioural disorder	F00-F99
-	-	-	-	-	-	-	-	-	-	Dead		
42	5	5	6	7	11	4	3	1	-	Alive	Diseases of the nervous system	G00-G99
-	-	-	-	-	-	-	-	-	-	Dead		
16	1	1	4	1	2	2	-	5	-	Alive	Diseases of the Eye and Adnexa	H00-H59
-	-	-	-	-	-	-	-	-	-	Dead		
36	-	1	5	4	7	3	3	13	-	Alive	Diseases of the Ear and Middle ear	H60-H95
-	-	-	-	-	-	-	-	-	-	Dead		
160	22	28	27	34	30	14	1	3	1	Alive	Diseases of the circulatory system	I00-I99
5	-	1	-	-	3	1	-	-	-	Dead		
266	31	13	24	30	33	33	18	80	4	Alive	Diseases of the respiratory system	J00-J99
1	-	-	-	-	-	1	-	-	-	Dead		
404	29	23	51	59	77	90	28	44	3	Alive	Diseases of the digestive system	K00-K93
1	1	-	-	-	-	-	-	-	-	Dead		
96	3	2	20	21	17	20	5	4	4	Alive	Diseases of the skin & subcutaneous tissue	L00-L99
-	-	-	-	-	-	-	-	-	-	Dead		

(Cont'd) Table 15.15 ()
 2007 ()
Discharges (Alive and Dead) by Principal Diagnosis and Age Groups 2007

<i>Total</i>	<i>70+</i>	<i>60-69</i>	<i>50-59</i>	<i>40-49</i>	<i>30-39</i>	<i>20-29</i>	<i>10-19</i>	<i>1-9</i>	<i>< 1 yr</i>		<i>Principal Diagnosis</i>	<i>ICD-10 Code</i>	
124	11	13	30	37	17	14	2	-	-	-	Alive	Diseases of the musculoskeletal system and connective tissue	M00-M99
-	-	-	-	-	-	-	-	-	-	-	Dead		
376	19	31	32	67	114	84	9	15	5	5	Alive	Diseases of genitourinary system	N00-N99
-	-	-	-	-	-	-	-	-	-	-	Dead		
891	-	-	-	58	390	441	2	-	-	-	Alive	Pregnancy, childbirth & the puerperium	O00-O99
-	-	-	-	-	-	-	-	-	-	-	Dead		
112	-	-	-	-	-	-	-	-	-	112	Alive	Certain conditions originating in perinatal period	P00-P96
-	-	-	-	-	-	-	-	-	-	-	Dead		
24	-	-	-	1	1	3	-	8	11	11	Alive	Congenital Malformations, Deformations and Chromosomal Abnormalities	Q00-Q99
1	-	-	-	-	-	-	-	-	-	-	Dead		
101	10	3	14	21	13	12	8	18	2	2	Alive	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, not elsewhere classified	R00-R99
-	-	-	-	-	-	-	-	-	-	-	Dead		
170	2	4	30	39	29	35	12	19	-	-	Alive	Injury, Poisoning and Certain other Consequences of external causes	S00-T98
-	-	-	-	-	-	-	-	-	-	-	Dead		
9	-	1	1	1	2	2	1	1	-	-	Alive	External causes of Morbidity and Mortality	V00-Y98
-	-	-	-	-	-	-	-	-	-	-	Dead		
1,092	23	36	141	208	264	150	24	28	218	218	Alive	Factors influencing health status and contact with health services	Z00-Z99
-	-	-	-	-	-	-	-	-	-	-	Dead		
4,350	210	208	437	668	1,062	954	131	318	362	362	Alive	Total	
9	1	1	-	1	3	2	-	-	1	1	Dead		
4,359	211	209	437	669	1,065	956	131	318	363	363	Total		

Table 15.16
2007 ()
Discharges (Alive and Dead) by Principal Diagnosis, Nationality and Sex 2007

Grand Total	Total				Non-Bahraini				Bahraini				Principal Diagnosis	ICD-10 Code
	Female		Male		Female		Male		Female		Male			
	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive		
124	-	51	-	73	-	20	-	15	-	31	-	58	Infectious & parasitic diseases	A00-B99
109	1	58	-	50	-	18	-	20	1	40	-	30	Neoplasms	C00-D48
26	-	13	-	13	-	2	-	2	-	11	-	11	Diseases of the blood & blood-forming organs and disorder involving immune mechanism	D50-D89
137	-	72	-	65	-	18	-	23	-	54	-	42	Endocrine, Nutritional & Metabolic Diseases	E00-E90
34	-	18	-	16	-	5	-	5	-	13	-	11	Mental & behavioural disorder	F00-F99
42	-	18	-	24	-	7	-	9	-	11	-	15	Diseases of the nervous system	G00-G99
16	-	11	-	5	-	8	-	4	-	3	-	1	Diseases of the Eye and Adnexa	H00-H59
36	-	15	-	21	-	7	-	8	-	8	-	13	Diseases of the Ear and Mustoid process	H60-H95
167	4	65	1	97	1	23	-	47	3	42	1	50	Diseases of the circulatory system	I00-I99
267	-	111	1	155	-	33	-	51	-	78	1	104	Diseases of the respiratory system	J00-J99
404	1	169	-	234	-	51	-	87	1	118	-	147	Diseases of the digestive system	K00-K93
96	-	31	-	65	-	9	-	29	-	22	-	36	Diseases of the skin & subcutaneous tissue	L00-L99

(Cont'd) Table 15.16 ()
 2007 ()
 Discharges (Alive and Dead) by Principal Diagnosis, Nationality and Sex 2007

Grand Total	Total				Non-Bahraini				Bahraini				Principal Diagnosis	ICD-10 Code
	Female		Male		Female		Male		Female		Male			
	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive	Dead	Alive		
124	-	43	-	81	-	14	-	39	-	29	-	42	Diseases of the musculoskeletal system and connective tissue	M00-M99
376	-	220	-	156	-	73	-	71	-	147	-	85	Diseases of genitourinary system	N00-N99
891	-	891	-	-	-	276	-	-	-	615	-	-	Pregnancy, childbirth & the puerperium	O00-O99
112	-	54	-	58	-	12	-	12	-	42	-	46	Certain conditions originating in perinatal period	P00-P96
25	1	4	-	20	-	2	-	2	1	2	-	18	Congenital Malformations, Deformations and Chromosomal Abnormalities	Q00-Q99
101	-	45	-	56	-	14	-	15	-	31	-	41	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, not elsewhere classified	R00-R99
170	-	66	-	104	-	35	-	43	-	31	-	61	Injury, Poisoning and Certain other Consequences of external causes	S00-T98
9	-	3	-	6	-	2	-	4	-	1	-	2	External causes of Morbidity and Mortality	V01-Y98
1,093	-	574	-	519	-	178	-	197	-	396	-	322	Factors influencing health status and contact with health services	Z00-Z99
4,359	7	2,532	2	1,818	1	807	-	683	6	1,725	2	1,135	Total	