

## Contents

Bed Utilization 2004 - 2008	Table 11.1, page 3
Beds Distribution 2004 - 2008	Table 11.2, page 3
Out-Patient Visits by Department, Nationality and Sex 2008	Table 11.3, page 4
Medical and Allied Health Manpower by Category, Nationality and Sex 2008	Table 11.4, page 5
Births by Nationality and Type of Delivery 2008	Table 11.5, page 6
Major and Minor Operations by Department 2008	Table 11.6, page 7
Dental Treatment by Type of Treatment, Nationality and Sex 2008	Table 11.7, page 8
Immunization by Type of Vaccine, Age Groups and Nationality 2008	Table 11.8, page 9
Laboratory Tests by Type of Test, Nationality and Sex 2008	Table 11.9, page 10
Radiology Procedures by Type of Procedure, Nationality and Sex 2008	Table 11.10, page 10
Laboratory Tests by Type of Test 2004 - 2008	Table 11.11, page 11
Radiology Procedures by Type of Procedure 2004 - 2008	Table 11.12, page 11
Deaths by Principal Diagnosis , Length of Stay, Nationality and Sex 2008	Table 11.13, page 12

## المحتويات

2008 - 2004
2008 - 2004
2008
2008
2008
2008
2008
2008
حسب نوع الفحص والجنسية والنوع 2008
حسب نوع الإجراء والجنسية والنوع 2008
حسب نوع الفحص 2008 - 2004
حسب نوع الإجراء 2008 - 2004
2008



**Table 11.1**  
**2008 - 2004**  
**Bed Utilization 2004 - 2008**

<i>Description</i>	<i>2008</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>
Total admissions	4,331	3,924	3,589	3,606	3,570
Total discharges	4,318	3,919	3,582	3,596	3,448
Number of beds	61	57	57	57	57
Bed days available	22,326	20,805	20,805	20,805	20,862
Patient days-overnight	9,411	7,598	6,812	7,102	7,050
Patients days < 1 day	2,005	1,849	1,745	1,768	1,606
Total patients days	11,416	9,447	8,557	8,870	8,656
Bed occupancy rate	51.1	45.4	41.1	42.6	41.5
Turnover rate	70.8	68.8	62.8	63.1	60.5
Turnover interval	2.5	2.9	3.4	3.3	3.5
Average daily admission	11.8	10.8	9.8	9.9	9.8
Average daily discharge	11.8	10.7	9.8	9.9	9.4
Average length of stay	2.6	2.4	2.4	2.5	2.5

**Table 11.2**  
**2008 - 2004**  
**Beds Distribution 2004 - 2008**

<i>Service</i>	<i>2008</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>
Day Case unit	4	NA	NA	NA	NA
Private Ward (VIP)	2	2	2	2	2
Intensive care unit	4	4	4	4	4
Medical / Surgical	29	29	29	29	29
Obstetrics / Gynecology	22	22	22	22	22
<b>Total</b>	<b>61</b>	<b>57</b>	<b>57</b>	<b>57</b>	<b>57</b>
Special Care Baby Unit / Nursery	12	12	12	12	8

**Table 11.3**  
**2008**  
**Out-Patient Visits by Department, Nationality and Sex 2008**

Department	Total			Non-Bahraini			Bahraini		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
A & E Clinic	7,317	3,698	3,619	2,568	1,212	1,356	4,749	2,486	2,263
Dental	5,021	2,480	2,541	2,399	1,080	1,319	2,622	1,400	1,222
Medical	4,142	1,932	2,210	1,905	827	1,078	2,237	1,105	1,132
Obstetrics & Gynecology / I.V.F.	7,317	7,314	3	2,425	2,425	NA	4,892	4,889	3
Paediatrics	22,491	10,223	12,268	8,708	3,997	4,711	13,783	6,226	7,557
Surgical	3,969	1,969	2,000	1,312	689	623	2,657	1,280	1,377
Orthopedics	7,269	3,307	3,962	2,687	1,185	1,502	4,582	2,122	2,460
Ear, Nose & Throat	6,583	3,068	3,515	2,336	1,032	1,304	4,247	2,036	2,211
Dermatology	3,374	1,720	1,654	1,377	680	697	1,997	1,040	957
Psychiatric	2,296	1,148	1,148	603	308	295	1,693	840	853
Ophthalmology	3,958	2,041	1,944	1,718	817	901	2,240	1,197	1,043
Neurology	848	440	408	324	160	164	524	280	244
Plastic Surgery	491	290	201	208	125	83	283	165	118
Cardiology	3,404	1,334	2,070	1,446	438	1,008	1,958	896	1,062
Gastroenterology	1,980	844	1,136	805	289	516	1,175	555	620
Neurosurgery	1,558	775	783	594	306	288	964	469	495
Rheumatology	2,058	1,291	767	776	392	384	1,282	899	383
Respiratory (Pulmonology)	205	92	113	79	23	56	126	69	57
Diabetology & Endocrinology	1,462	718	744	592	263	329	870	455	415
<b>Total</b>	<b>85,743</b>	<b>44,684</b>	<b>41,086</b>	<b>32,862</b>	<b>16,248</b>	<b>16,614</b>	<b>52,881</b>	<b>28,409</b>	<b>24,472</b>

\* including three male cases were treated as I.V.F.

\*

**جدول 11.4**  
**القوى العاملة بالمهن الطبية والمساعدة حسب الفئة و الجنسية و النوع 2008**  
**Medical and Allied Health Manpower by Category, Nationality and Sex 2008**

Category	Total			Non-Bahraini			Bahraini		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
Physicians	43	10	33	39	8	31	4	2	2
Dentists	5	1	4	5	1	4	-	-	-
Pharmacists & Technicians	9	4	5	9	4	5	-	-	-
Nurses *	79	69	10	79	69	10	-	-	-
Practical Nurses	52	50	2	41	39	2	11	11	-
Dental Hygienists & Technicians	3	3	-	3	3	-	-	-	-
Laboratory Technologists & Technicians	7	3	4	7	3	4	-	-	-
Radiographers & Technicians	9	3	6	9	3	6	-	-	-
Physiotherapists, Occupational Therapists & Technicians	4	3	1	4	3	1	-	-	-
Anaesthesia Technician	1	-	1	1	-	1	-	-	-
Electro Encephalograph	2	1	1	2	1	1	-	-	-
Optical Technician	1	-	1	1	-	1	-	-	-

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

**Table 11.5**  
**2008**  
**Births by Nationality and Type of Delivery 2008**

<i>Births</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>	
<b>Bahraini</b>								
Normal Delivery								
Vertex	<b>138</b>	-	138	-	3	2	133	
Breech	-	-	-	-	-	-	-	
Assisted Delivery								
Vacuum	-	-	-	-	-	-	-	
Forceps	<b>1</b>	-	1	-	-	-	1	
Caesarian section	<b>102</b>	-	102	-	24	2	76	
<b>Total Bahraini</b>	<b>241</b>	-	<b>241</b>	-	<b>27</b>	<b>4</b>	<b>210</b>	
<b>Non-Bahraini</b>								
Normal Delivery								
Vertex	<b>28</b>	-	28	-	-	3	25	
Breech	-	-	-	-	-	-	-	
Assisted Delivery								
Vacuum	-	-	-	-	-	-	-	
Forceps	-	-	-	-	-	-	-	
Caesarian section	<b>34</b>	-	34	1	5	-	28	
<b>Total Non-Bahraini</b>	<b>62</b>	-	<b>62</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>53</b>	
<b>Grand Total</b>	<b>303</b>	-	<b>303</b>	<b>1</b>	<b>32</b>	<b>7</b>	<b>263</b>	

**Table 11.6**  
**2008**  
**Major and Minor Operations by Department 2008**

<i>Department</i>	<i>Procedure Type</i>		
	<i>Total</i>	<i>Minor</i>	<i>Major</i>
General Surgery	397	332	65
Orthopedics & Fracture	159	82	77
Urology	210	169	41
Plastic Surgery	61	23	38
Paediatrics	-	-	-
Ear, Nose & Throat	233	41	192
Ophthalmology	99	37	62
Gynecology	71	52	19
Obstetrics	159	-	159
Dental	16	2	14
Endoscopies	314	314	-
<b>Total</b>	<b>1,719</b>	<b>1,052</b>	<b>667</b>

**Table 11.7**  
**2008**  
**Dental Treatment by Type of Treatment, Nationality and Sex 2008**

<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	<b>1,907</b>	944	963	<b>876</b>	405	471	<b>1,031</b>	539	492
Gum treatment	<b>101</b>	38	63	<b>55</b>	21	34	<b>46</b>	17	29
Nerve	<b>371</b>	181	190	<b>184</b>	83	101	<b>187</b>	98	89
Surgical treatment	<b>186</b>	101	85	<b>84</b>	37	47	<b>102</b>	64	38
Filling	<b>1,636</b>	774	862	<b>806</b>	319	487	<b>830</b>	455	375
Extraction	<b>292</b>	111	181	<b>132</b>	50	82	<b>160</b>	61	99
Denture	<b>363</b>	167	196	<b>212</b>	92	120	<b>151</b>	75	76
Orthodontics	<b>701</b>	456	245	<b>288</b>	175	113	<b>413</b>	281	132
<b>Total</b>	<b>5,557</b>	<b>2,772</b>	<b>2,785</b>	<b>2,637</b>	<b>1,182</b>	<b>1,455</b>	<b>2,920</b>	<b>1,590</b>	<b>1,330</b>



**Table 11.8**  
**2008**  
**Immunization by Type of Vaccine, Age Groups and Nationality 2008**

<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 / ( ) ( ) /
214	64	150	-	-	-	-	-	-	214	64	150	Dose 1
183	56	127	-	-	-	-	-	-	183	56	127	Dose 2
192	67	125	-	-	-	-	-	-	192	67	125	Dose 3
211	75	136	-	-	-	211	75	136	-	-	-	Booster 1 dose
119	55	64	119	55	64	-	-	-	-	-	-	Booster 2 dose
												<b>Poliomyelitis</b>
188	55	133	-	-	-	-	-	-	188	55	133	Dose 1
189	60	129	-	-	-	-	-	-	189	60	129	Dose 2
191	68	123	-	-	-	-	-	-	191	68	123	Dose 3
211	71	140	-	-	-	211	71	140	-	-	-	Booster 1 dose
127	55	72	127	55	72	-	-	-	-	-	-	Booster 2 dose
												<b>Mumps, Measles, Rubella</b>
237	82	155	-	-	-	237	82	155	-	-	-	Dose 1
158	67	91	158	67	91	-	-	-	NA	NA	NA	Dose 2

**Table 11.9**  
والجنسية والنوع 2008  
**Laboratory Tests by Type of Test, Nationality and Sex 2008**

<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	<b>39,829</b>	19,226	20,603	<b>15,122</b>	5,796	9,326	<b>24,707</b>	13,430	11,277
Clinical chemistry of other body fluids	<b>32</b>	12	20	<b>10</b>	3	7	<b>22</b>	9	13
Chemical function tests	-	-	-	-	-	-	-	-	-
Endocrine function tests & enzymes	<b>9,345</b>	5,565	3,780	<b>4,254</b>	2,395	1,859	<b>5,091</b>	3,170	1,921
Microbiology	<b>7,999</b>	4,504	3,495	<b>3,068</b>	1,610	1,458	<b>4,931</b>	2,894	2,037
Serology & immunology	<b>10,142</b>	5,844	4,298	<b>3,772</b>	2,064	1,708	<b>6,370</b>	3,780	2,590
Mycology & parasitology	<b>2,687</b>	1,167	1,520	<b>1,011</b>	409	602	<b>1,676</b>	758	918
Haematology	<b>20,888</b>	10,982	9,906	<b>7,223</b>	3,508	3,715	<b>13,665</b>	7,474	6,191
General pathology	<b>1,645</b>	1,211	434	<b>644</b>	481	163	<b>1,001</b>	730	271
Other laboratories tests	<b>9,581</b>	4,617	4,964	<b>3,616</b>	1,624	1,992	<b>5,965</b>	2,993	2,972
<b>Total</b>	<b>102,148</b>	<b>53,128</b>	<b>49,020</b>	<b>38,720</b>	<b>17,890</b>	<b>20,830</b>	<b>63,428</b>	<b>35,238</b>	<b>28,190</b>

**Table 11.10**  
2008  
**Radiology Procedures by Type of Procedure, Nationality and Sex 2008**

<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	<b>9,711</b>	4,611	5,100	<b>3,962</b>	1,849	2,113	<b>5,749</b>	2,762	2,987
Radiography with contrast media	<b>121</b>	31	90	<b>42</b>	9	33	<b>79</b>	22	57
<b>Total</b>	<b>9,832</b>	<b>4,642</b>	<b>5,190</b>	<b>4,004</b>	<b>1,858</b>	<b>2,146</b>	<b>5,828</b>	<b>2,784</b>	<b>3,044</b>

**Table 11.11**  
**2008 - 2004**  
**Laboratory Tests by Type of Test 2004 - 2008**

<i>Type of Test</i>	<i>2008</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>
Clinical chemistry of blood	39,829	24,549	30,934	21,452	15,826
Clinical chemistry of other body fluids	32	5,197	4,960	2,773	3,839
Chemical function tests	-	4,553	1,961	1,786	2,634
Endocrine function tests & enzymes	9,345	10,999	2,029	2,368	5,106
Microbiology	7,999	7,470	8,105	929	7,142
Serology & immunology	10,142	8,515	8,724	13,187	5,235
Mycology & parasitology	2,687	2,646	3,043	7,117	1,764
Haematology	20,888	19,199	21,849	14,841	14,141
General pathology	1,645	1,651	1,386	929	1,153
Other laboratories tests	9,581	4,643	4,540	7,273	328
<b>Total</b>	<b>102,148</b>	<b>89,422</b>	<b>87,531</b>	<b>72,655</b>	<b>57,168</b>

**Table 11.12**  
**2008 - 2004**  
**Radiology Procedures by Type of Procedure 2004 - 2008**

<i>Type of Procedure</i>	<i>2008</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>
Plain & general radiography	9,711	8,002	8,809	11,041	...
Radiography with contrast media	121	118	148	3,658	...
<b>Total</b>	<b>9,832</b>	<b>8,120</b>	<b>8,957</b>	<b>14,699</b>	<b>...</b>

Table 11.13

2008

## Deaths by Principal Diagnosis, Length of Stay, Nationality and Sex 2008

<i>Total</i>			<i>48 48 hrs &amp; over</i>			<i>48 Less than 48 hrs</i>			<i>Sex</i>	<i>Principal Diagnosis of Death</i>	<i>ICD-10 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>			
1	1	-	1	1	-	-	-	-	Male	Infectious & parasitic diseases	A00-B99
-	-	-	-	-	-	-	-	-	Female		
1	1	-	1	1	-	-	-	-	Total		
1	1	-	1	1	-	-	-	-	Male	Diseases of the circulatory system	I00-I99
2	1	1	1	1	-	1	-	1	Female		
3	2	1	2	2	-	1	-	1	Total		
-	-	-	-	-	-	-	-	-	Male	Diseases of the digestive system	K00-K93
2	1	1	1	1	-	1	-	1	Female		
2	1	1	1	1	-	-	-	-	Total		
1	-	1	-	-	-	1	-	1	Male	Factors influencing health status and contact with health services	Z00-Z99
-	-	-	-	-	-	-	-	-	Female		
1	-	1	-	-	-	1	-	1	Total		
3	2	1	2	2	-	1	-	1	Male	<b>Total</b>	
4	2	2	2	2	-	2	-	2	Female		
7	4	3	4	4	-	3	-	3	Total		

Note: excluding two death cases counted as on route to hospital.