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Conventions

Dair Health Center officially re-opened and re-named to National Bank of Bahrain Health Center – Dair in 2008.

Zallaq Clinic upgraded to Zallaq Health Center effective from 2008 and now providing all primary health care services.

Tables 7.3 & 7.4

The calculation of the coverage was based on total Bahraini and Non-Bahraini of targeted age of each vaccine as per the immunization schedule recommended by World Health Organization.

Percentage Coverage of TT will normally be decreased by time as most of the pregnant women were immuned at childhood or school vaccination program.

Percentage Coverage for child immuned at birth by Tetanus vaccination against Tetanus Neonatorum will normally be increased by the number of newborns protected at birth against Tetanus from their mother who received 2 doses or more of Tetanus any time in her life.

الإصطلاحات

2008 -

2008

7.4 & 7.3

Table 7.1
2008 - 2004 (6-1)
Immunization Coverage (%) Among Infants and Children (1-6 years) 2004 - 2008

<i>Vaccine</i>	<i>2008</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	
Infant < 1 Year						1 >
Third dose of DPT (Diphtheria, Tetanus, Pertussis)	96.8	96.7	98.4	98.2	97.7	()
Third dose of Polio vaccine	96.5	96.7	98.4	98.1	97.7	
Third dose of Hepatitis B (HB)	96.8	96.7	98.4	98	98	()
Third dose of Haemophilus Influenza B (Hib)	96.8	96.7	98.4	98.2	97.8	()
BCG (Bacille Calmette-Guerin) (Non-Bahraini) *	79.0	87.0	83.2	89.3	NA	* () ()
Children of age 1 Year						1
MMR1 (Mumps, Measles, Rubella - dose 1)	99.9	100	100	100	98.8	()
Children of age 6 Years						6
MMR2 (Mumps, Measles, Rubella - dose 2)	97	100	99	99	100	()

* BCG vaccine is given only for infants of non-Bahraini mothers from endemic countries.

() *

Table 7.2
2008
Total and Percentage Distribution of Vaccinations in Different Health Facilities 2008

<i>Type of Immunization</i>	<i>Total</i>	<i>Private Hospitals & Clinics</i>	<i>Military Hospital</i>	<i>Schools</i>	¹ <i>Sh.Sabah H.C. ¹</i>	<i>Health Centres</i>	<i>Public Health Directorate</i>	
DPT (Diphtheria, Pertussis, Tetanus)	76,266	7.6	3.6	-	-	88.9	-	
OPV (Oral Polio Vaccine)	75,856	7.6	3.6	-	-	88.8	-	
DT - Diphtheria, Tetanus (Children)	103	42.7	1.9	-	-	55.3	-	()
TD - Tetanus, diphtheria (Adult)	111,982	35.4	2.6	-	0.2	61.7	-	()
Td (Tetanus, diphtheria Toxoid) Pregnant women	3,538	16.1	12.9	-	-	70.9	-	()
Tdap (Tetanus, diphtheria - acellular pertussis) Adult	3,968	-	-	100.0	-	-	-	()
MMR (Mumps, Measles, Rubella)	42,084	6.2	1.8	31.5	-	60.5	-	
BCG (Bacillus Calmette Guerin) ²	3,281	15.4	14.5	-	70.1	-	-	² ()
Cholera	-	-	-	-	-	-	-	
Typhoid fever	10,430	4.8	-	-	3.7	90.2	1.4	
Yellow fever	709	-	-	-	94.9	-	5.1	
Meningococcal ACYW	41,721	6.1	1.5	-	1.0	91.3	0.1	
Hepatitis B (Child)	100,968	5.2	2.6	35.5	-	56.7	-	-
Hepatitis B (Adult)	17,842	14.7	9.3	-	-	75.4	0.6	-
Haemophilus Influenzae B (Hib)	65,019	8.0	4.1	-	-	87.9	-	()
Rabies	10	-	-	-	-	-	100.0	
Pneumococcal Polysaccharide	337	84.9	3.9	-	-	8.6	2.5	
Pneumococcal Conjugate	12,884	10.8	4.0	-	-	85.3	-	
Hepatitis A - Child	30,869	10.8	4.0	-	-	85.3	-	()
Hepatitis A - Adult	1,481	47.8	-	-	-	40.4	11.8	()
Injection Polio Vaccine (IPV) ³	2	-	-	-	-	100.0	-	³
Chickenpox	1,695	95.5	3.5	-	-	0.8	0.1	()
Influenza	9,147	47.9	0.9	-	1.1	21.2	28.9	()

Source: Public Health Directorate .

¹ Sh. Sabah H.C: vaccinations are carried out at this Health Center on behalf of the Public Health Directorate, which include vaccinations to travelers and schools. Those vaccinations carried out for patients within its own catchment area are included under "Health Centers".

² BCG vaccine is given only for infants of non-Bahraini mothers from endemic countries.

³ Injection Polio Vaccine (IPV) is given as replacement of first OPV dose and to children for special cases.

Table 7.3

2008
Immunization Coverage Among Children (2 Years) by Registered Live Births at Health Centers and Nationality 2008

% Immunization Coverage																		
1st dose of Diphtheria, Tetanus & Pertussis (DPT & DT)									3rd dose of Polio vaccine									
Total			Non-Bah.			Bah.			Total			Non-Bah.			Bah.			
Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	
92.7	88.9	96.3	92.6	89.1	96.2	92.7	88.9	96.4	90.7	90.0	91.4	95.0	94.4	95.7	89.1	88.4	89.8	Region I
88.1	89.8	86.5	88.7	90.8	86.7	87.7	89.1	86.3	90.1	94.9	85.4	98.3	102.9	93.9	84.8	89.9	79.6	Muharraq
94.0	85.5	102.6	104.9	91.6	120.3	87.7	81.6	93.4	94.1	90.1	98.2	99.0	85.8	114.3	91.3	92.9	89.9	Sh.Salman
93.4	88.9	97.2	79.8	85.1	76.1	95.9	89.5	101.5	84.7	83.1	86.1	82.5	102.1	68.7	85.2	80.0	89.6	National Bank of Bahrain - Arad
98.1	92.9	103.5	69.0	61.1	81.8	100.0	95.5	104.6	95.5	90.5	100.9	65.5	66.7	63.6	97.5	92.4	102.8	National Bank of Bahrain - Dair
79.8	77.4	82.0	73.5	70.9	75.9	90.8	88.8	92.7	76.0	74.2	77.7	68.5	66.6	70.2	89.2	87.5	90.8	Region II
90.2	84.8	96.1	82.5	76.4	89.1	103.2	98.7	108.4	83.5	76.9	90.8	77.0	68.4	86.5	94.3	90.8	98.5	Naim
91.7	94.3	89.3	89.8	92.5	87.5	96.9	98.6	94.8	84.7	86.5	83.1	75.5	78.0	73.4	109.4	105.7	113.8	Ibn Sinna
66.0	61.4	69.8	52.5	49.5	55.2	81.4	76.5	85.1	67.5	61.7	72.2	54.0	54.2	53.8	82.8	71.2	91.6	Sh.Sabah Al Salem
73.6	71.6	75.3	69.4	66.7	71.9	84.1	84.4	83.8	69.3	76.0	63.3	66.6	67.3	65.9	76.1	98.4	56.8	Al Hoorah
89.7	88.2	91.2	36.2	33.7	38.4	95.2	93.5	96.8	87.2	88.2	86.2	28.7	27.6	29.7	93.1	94.1	92.2	Region III
84.7	83.8	85.6	61.6	57.3	66.0	87.6	87.2	88.0	84.0	84.2	83.8	51.6	45.8	57.4	88.0	89.1	87.0	Isa Town
93.9	92.8	95.2	34.5	36.8	32.6	97.6	95.8	99.7	93.3	88.8	98.2	31.0	26.3	34.8	97.2	92.1	102.8	Jidhafs
88.5	84.6	91.9	10.9	5.9	14.8	102.1	97.5	106.2	85.0	90.2	80.4	7.3	8.2	6.5	98.6	103.7	94.2	Budaiya
92.7	94.6	91.1	45.2	37.5	53.3	96.0	99.0	93.4	85.2	88.7	82.2	16.1	18.8	13.3	90.0	94.1	86.5	Bilad Al Kadeem
93.5	91.0	95.9	33.3	27.3	38.5	95.5	93.0	98.0	87.9	92.7	83.2	29.2	36.4	23.1	89.9	94.4	85.4	A'Ali
87.7	83.0	92.3	67.7	63.9	71.3	92.7	87.7	97.5	84.0	82.0	85.9	61.3	61.8	60.8	89.6	86.9	92.2	Region IV
79.4	71.6	87.1	14.8	15.6	13.9	86.6	78.7	94.1	80.9	76.6	85.2	27.2	26.7	27.8	86.9	82.9	90.7	Hamad Town
100.2	104.0	96.8	58.3	33.3	83.3	101.6	106.4	97.2	98.1	103.0	93.7	50.0	61.1	38.9	99.7	104.5	95.5	Sitra
75.3	68.1	82.5	76.0	72.8	79.3	74.9	65.7	84.1	67.7	60.5	74.9	65.6	62.1	69.2	68.7	59.7	77.7	Hamad Kanoo & Jaw & Asker Clinic
79.3	73.8	84.5	76.5	73.5	79.2	81.2	73.9	88.4	74.5	74.9	74.2	70.8	77.1	65.4	77.1	73.4	80.8	East Riffa
102.1	96.0	107.7	21.2	18.8	23.5	105.9	99.7	111.7	98.5	101.1	96.0	27.3	18.8	35.3	101.9	105.1	98.9	Kuwait
98.8	95.0	102.8	18.6	19.2	18.2	106.6	101.3	112.4	93.4	86.8	100.3	3.4	0.0	6.1	102.1	94.0	111.0	Mohammed Jassim Kanoo
98.9	77.8	120.0	97.1	88.9	105.9	100.0	70.4	128.6	103.3	84.4	122.2	88.6	66.7	111.8	112.7	96.3	128.6	Zallaq
88.1	85.0	91.1	70.7	67.9	73.4	93.6	90.3	96.7	85.0	84.3	85.7	66.4	65.9	66.9	90.9	90.1	91.7	% HC Coverage
11.7	11.5	11.9	22.8	22.5	23.7	8.6	8.5	8.7	11.5	11.4	11.7	24.8	24.3	25.3	7.5	7.4	7.7	% Private Coverage
99.8	96.5	103.0	93.5	90.4	96.5	102.1	98.8	105.4	96.5	95.7	97.4	91.2	90.2	92.2	98.4	97.5	99.4	Total & Percentage

Note: Refer to conventions used in the report.

(Cont'd) Table 7.3 ()

2008

Immunization Coverage Among Children (2 Years) by Registered Live Births at Health Centers and Nationality 2008

% Immunization Coverage																		
3rd dose of Viral Hepatitis B (HB)									3rd dose of Diphtheria, Tetanus & Pertussis (DPT & DT)									
Total			Non-Bah.			Bah.			Total			Non-Bah.			Bah.			
Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	
90.9	90.0	91.7	95.7	94.4	96.9	89.1	88.4	89.8	92.9	90.0	91.4	95.0	94.4	95.7	89.1	88.4	89.8	Region I
90.1	94.9	85.4	98.3	102.9	93.9	84.8	89.9	79.6	85.5	94.9	85.4	98.3	102.9	93.9	84.8	89.9	79.6	Muharraq
94.8	90.1	99.5	100.7	85.8	118.0	91.3	92.9	89.9	97.8	90.1	98.2	99.0	85.8	114.3	91.3	92.9	89.9	Sh.Salman
84.7	83.1	86.1	82.5	102.1	68.7	85.2	80.0	89.6	93.5	83.1	86.1	82.5	102.1	68.7	85.2	80.0	89.6	National Bank of Bahrain - Arad
95.5	90.5	100.9	65.5	66.7	63.6	97.5	92.4	102.8	98.1	90.5	100.9	65.5	66.7	63.6	97.5	92.4	102.8	National Bank of Bahrain - Dair
76.0	74.2	77.8	68.5	66.6	70.2	89.3	87.5	91.0	80.0	74.2	77.8	68.5	66.6	70.2	89.3	87.5	91.0	Region II
83.5	76.9	90.8	77.0	68.4	86.5	94.3	90.8	98.5	85.8	76.9	90.8	77.0	68.4	86.5	94.3	90.8	98.5	Naim
84.7	86.5	83.1	75.5	78.0	73.4	109.4	105.7	113.8	85.4	86.5	83.1	75.5	78.0	73.4	109.4	105.7	113.8	Ibn Sinna
67.5	61.7	72.2	54.0	54.2	53.8	82.8	71.2	91.6	78.8	61.7	72.2	54.0	54.2	53.8	82.8	71.2	91.6	Sh.Sabah Al Salem
69.5	76.0	63.7	66.6	67.3	65.9	76.8	98.4	58.1	67.6	76.0	63.7	66.6	67.3	65.9	76.8	98.4	58.1	Al Hoorah
87.3	88.3	86.3	28.7	27.6	29.7	93.2	94.2	92.3	87.7	88.3	86.3	28.7	27.6	29.7	93.2	94.2	92.3	Region III
84.0	84.2	83.8	51.6	45.8	57.4	88.0	89.1	87.0	85.5	84.2	83.8	51.6	45.8	57.4	88.0	89.1	87.0	Isa Town
93.6	89.1	98.5	31.0	26.3	34.8	97.5	92.4	103.1	93.8	89.1	98.5	31.0	26.3	34.8	97.5	92.4	103.1	Jidhafs
85.0	90.2	80.4	7.3	8.2	6.5	98.6	103.7	94.2	85.8	90.2	80.4	7.3	8.2	6.5	98.6	103.7	94.2	Budaiya
85.2	88.7	82.2	16.1	18.8	13.3	90.0	94.1	86.5	88.8	88.7	82.2	16.1	18.8	13.3	90.0	94.1	86.5	Bilad Al Kadeem
88.1	92.7	83.5	29.2	36.4	23.1	90.0	94.4	85.7	83.6	92.7	83.5	29.2	36.4	23.1	90.0	94.4	85.7	A'Ali
84.9	83.0	86.7	62.6	62.5	62.6	90.4	88.0	92.8	88.3	83.0	86.7	62.6	62.5	62.6	90.4	88.0	92.8	Region IV
80.5	75.8	85.2	27.2	26.7	27.8	86.5	82.0	90.7	86.2	75.8	85.2	27.2	26.7	27.8	86.5	82.0	90.7	Hamad Town
98.1	103.0	93.7	50.0	61.1	38.9	99.7	104.5	95.5	98.8	103.0	93.7	50.0	61.1	38.9	99.7	104.5	95.5	Sitra
67.7	60.5	74.9	65.6	62.1	69.2	68.7	59.7	77.7	74.4	60.5	74.9	65.6	62.1	69.2	68.7	59.7	77.7	Hamad Kanoo & Jaw & Asker Clinic
77.3	77.3	77.4	73.7	78.8	69.3	79.9	76.3	83.4	79.7	77.3	77.4	73.7	78.8	69.3	79.9	76.3	83.4	East Riffa
98.5	101.1	96.0	27.3	18.8	35.3	101.9	105.1	98.9	99.3	101.1	96.0	27.3	18.8	35.3	101.9	105.1	98.9	Kuwait
96.5	91.8	101.5	3.4	0.0	6.1	105.6	99.4	112.4	98.9	91.8	101.5	3.4	0.0	6.1	105.6	99.4	112.4	Mohammed Jassim Kanoo
103.3	84.4	122.2	88.6	66.7	111.8	112.7	96.3	128.6	122.2	84.4	122.2	88.6	66.7	111.8	112.7	96.3	128.6	Zallaq
85.4	84.7	86.1	66.9	66.1	67.7	91.3	90.5	92.0	87.7	84.7	86.1	66.8	66.1	67.5	91.3	90.5	92.0	% HC Coverage
11.4	8.8	9.4	24.6	24.2	25.1	5.7	5.6	5.8	9.1	8.8	9.4	24.7	24.2	25.3	5.7	5.6	5.8	% Private Coverage
96.8	93.5	95.5	91.5	90.3	92.8	97.0	96.1	97.8	96.8	93.5	95.5	91.5	90.3	92.8	97.0	96.1	97.8	Total & Percentage

Note: Refer to conventions used in the report.

(Cont'd) Table 7.3 ()

2008

Immunization Coverage Among Children (2 Years) by Registered Live Births at Health Centers and Nationality 2008

% Immunization Coverage																				
1st dose of Hepatitis A (HAV1)									3rd dose of Haemophilus Influenzae b (Hib)											
Total			Non-Bah.			Bah.			Total			Non-Bah.			Bah.					
Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male			
97.0	95.7	98.2	102.0	103.7	100.3	95.2	92.9	97.4	90.7	90.0	91.4	95.0	94.4	95.7	89.1	88.4	89.8	Region I		
93.4	95.4	91.3	96.6	100.6	92.4	91.4	92.1	90.6	90.1	94.9	85.4	98.3	102.9	93.9	84.8	89.9	79.6	Muharraq		
103.5	99.4	107.2	109.9	111.5	108.4	99.6	92.2	106.3	94.1	90.1	98.2	99.0	85.8	114.3	91.3	92.9	89.9	Sh.Salman		
93.3	93.5	93.1	107.3	106.5	108.3	91.3	91.3	91.3	84.7	83.1	86.1	82.5	102.1	68.7	85.2	80.0	89.6	National Bank of Bahrain - Arad		
97.9	94.0	102.1	67.9	64.7	72.7	99.8	96.1	103.6	95.5	90.5	100.9	65.5	66.7	63.6	97.5	92.4	102.8	National Bank of Bahrain - Dair		
85.4	82.9	87.8	87.1	85.9	88.3	82.7	78.5	87.1	76.0	74.2	77.8	68.5	66.6	70.2	89.3	87.5	91.0	Region II		
85.6	80.9	90.3	88.2	85.8	90.6	81.9	74.4	90.0	83.5	76.9	90.8	77.0	68.4	86.5	94.3	90.8	98.5	Naim		
90.2	94.1	86.6	86.8	92.7	81.7	98.5	97.1	100.0	84.7	86.5	83.1	75.5	78.0	73.4	109.4	105.7	113.8	Ibn Sinna		
75.0	71.7	78.4	70.6	66.7	74.6	79.5	76.8	82.2	67.5	61.7	72.2	54.0	54.2	53.8	82.8	71.2	91.6	Sh.Sabah Al Salem		
98.8	96.3	100.9	106.4	105.2	107.3	76.9	73.6	80.4	69.5	76.0	63.7	66.6	67.3	65.9	76.8	98.4	58.1	Al Hoorah		
89.9	91.2	88.7	34.8	32.8	36.8	95.5	97.3	93.8	87.3	88.3	86.3	28.7	27.6	29.7	93.2	94.2	92.3	Region III		
85.6	86.5	84.7	68.0	68.7	67.4	87.8	88.6	86.9	84.0	84.2	83.8	51.6	45.8	57.4	88.0	89.1	87.0	Isa Town		
100.5	106.0	95.6	23.5	27.0	20.8	105.9	111.2	101.3	93.6	89.1	98.5	31.0	26.3	34.8	97.5	92.4	103.1	Jidhafs		
84.6	83.7	85.5	5.5	2.1	9.0	97.4	97.6	97.1	85.0	90.2	80.4	7.3	8.2	6.5	98.6	103.7	94.2	Budaiya		
83.6	83.5	83.7	24.2	11.1	40.0	88.2	89.4	86.9	85.2	88.7	82.2	16.1	18.8	13.3	90.0	94.1	86.5	Bilad Al Kadeem		
94.6	95.1	94.2	83.3	66.7	166.7	94.9	96.4	93.5	88.1	92.7	83.5	29.2	36.4	23.1	90.0	94.4	85.7	A'Ali		
86.4	83.7	89.0	66.8	61.8	71.9	91.3	89.3	93.2	84.9	83.0	86.7	62.6	62.5	62.6	90.4	88.0	92.8	Region IV		
74.5	76.1	73.0	20.0	22.9	16.7	81.4	83.9	79.3	80.5	75.8	85.2	27.2	26.7	27.8	86.5	82.0	90.7	Hamad Town		
100.4	98.0	102.9	87.5	52.9	126.7	100.8	99.4	102.2	98.1	103.0	93.7	50.0	61.1	38.9	99.7	104.5	95.5	Sitra		
72.5	69.5	75.4	75.9	71.8	80.0	70.7	68.3	73.0	67.7	60.5	74.9	65.6	62.1	69.2	68.7	59.7	77.7	Hamad Kanoo & Jaw & Asker Clinic		
76.5	67.8	85.2	74.6	64.6	85.0	77.8	70.0	85.3	77.3	77.3	77.4	73.7	78.8	69.3	79.9	76.3	83.4	East Riffa		
103.5	109.5	98.3	17.1	12.5	21.1	108.5	114.8	102.8	98.5	101.1	96.0	27.3	18.8	35.3	101.9	105.1	98.9	Kuwait		
99.8	93.0	106.3	8.8	9.1	8.6	109.6	100.0	119.2	96.5	91.8	101.5	3.4	0.0	6.1	105.6	99.4	112.4	Mohammed Jassim Kanoo		
146.8	156.7	137.5	138.9	225.0	70.0	150.0	131.8	168.2	103.3	84.4	122.2	88.6	66.7	111.8	112.7	96.3	128.6	Zallaq		
89.2	88.1	90.3	77.1	75.0	79.1	92.9	92.2	93.7	85.4	84.7	86.1	66.8	66.1	67.5	91.3	90.5	92.0	% HC Coverage		
10.7	11.9	9.5	42.1	41.9	42.3	10.9	10.7	11.1	9.1	8.8	9.4	24.7	24.2	25.3	5.7	5.6	5.8	% Private Coverage		
99.9	100.0	99.8	119.2	116.9	121.4	103.8	102.9	104.8	96.8	93.5	95.5	91.5	90.3	92.8	97.0	96.1	97.8	Total & Percentage		

Note: Refer to conventions used in the report.

Table 7.4

(6 - 1)

2008

Immunization Coverage Among Children (1 - 6 Years) and Pregnant Women by Registered Live Births in Health Centers and Nationality 2008

% Immunization Coverage																		
2nd dose of Mumps, Measles, Rubella (MMR2)									1st dose of Mumps, Measles, Rubella (MMR1)									
Total			Non-Bah.			Bah.			Total			Non-Bah.			Bah.			
Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	
84.4	82.2	86.4	107.0	99.0	116.1	77.7	76.8	78.6	97.1	96.0	98.2	103.4	104.5	102.2	94.9	93.0	96.8	Region I
70.3	66.2	74.4	88.0	80.3	96.3	61.6	59.0	64.2	93.4	95.4	91.3	96.6	100.6	92.4	91.4	92.1	90.6	Muharraq
100.7	99.1	102.2	132.2	124.6	140.5	84.7	84.2	85.1	105.3	101.4	108.7	113.4	113.8	113.0	100.2	94.0	105.9	Sh.Salman
81.0	75.8	86.3	106.0	102.9	109.4	78.1	72.5	83.8	92.2	92.6	91.9	107.3	106.5	108.3	90.1	90.3	89.9	National Bank of Bahrain - Arad
85.6	92.8	79.7	55.2	42.1	80.0	87.9	98.3	79.6	97.7	94.0	101.7	67.9	64.7	72.7	99.6	96.1	103.1	National Bank of Bahrain - Dair
73.9	76.9	71.0	72.4	78.7	66.7	75.9	74.5	77.4	84.1	81.0	87.0	85.8	84.3	87.1	81.5	76.2	86.9	Region II
69.0	71.2	66.8	60.2	64.6	56.1	80.6	80.0	81.2	85.6	80.9	90.3	88.2	85.8	90.6	81.9	74.4	90.0	Naim
78.1	84.8	70.6	84.9	92.3	77.2	66.3	72.7	58.7	82.9	83.1	82.7	79.3	82.0	76.9	91.6	85.5	98.4	Ibn Sinna
69.1	68.4	69.7	65.1	71.6	59.6	72.9	65.5	80.0	74.8	70.8	78.6	70.6	66.7	74.6	79.0	75.1	82.7	Sh.Sabah Al Salem
88.5	95.8	82.3	89.0	98.2	82.1	87.1	90.7	83.0	99.5	98.9	100.0	107.7	109.0	106.7	76.0	73.6	78.4	Al Hoorah
80.6	81.3	80.0	33.5	31.5	35.6	85.2	86.5	84.1	89.8	91.2	88.5	34.6	32.4	36.8	95.5	97.5	93.6	Region III
80.4	82.5	78.4	63.8	64.0	63.5	82.5	85.0	80.0	85.6	86.5	84.7	68.0	68.7	67.4	87.8	88.6	86.9	Isa Town
96.7	98.7	94.8	25.0	14.7	36.7	100.6	103.7	97.7	100.5	106.0	95.6	23.5	27.0	20.8	105.9	111.2	101.3	Jidhafs
65.9	65.0	66.7	9.5	8.4	10.5	75.2	74.3	76.1	84.0	83.7	84.2	5.5	2.1	9.0	96.6	97.6	95.6	Budaiya
70.7	69.7	71.7	24.2	12.5	35.3	74.2	73.9	74.5	84.9	84.3	85.5	21.2	5.6	40.0	89.9	90.8	88.8	Bilad Al Kadeem
84.8	84.1	85.4	31.8	23.1	44.4	86.7	86.8	86.6	94.6	95.1	94.2	83.3	66.7	166.7	94.9	96.4	93.5	A'Ali
77.5	73.3	81.6	72.6	74.6	70.5	78.6	73.0	84.2	85.9	84.1	87.7	66.8	63.6	70.1	90.7	89.3	92.0	Region IV
71.1	59.4	82.7	18.4	10.3	27.0	76.6	64.7	88.3	74.5	76.1	73.0	20.0	22.9	16.7	81.4	83.9	79.3	Hamad Town
72.1	68.0	76.0	34.8	13.3	75.0	73.0	69.8	76.0	100.2	98.0	102.5	84.4	52.9	120.0	100.7	99.4	102.0	Sitra
85.6	91.1	80.2	95.2	107.6	83.1	80.5	82.4	78.7	71.3	68.6	73.9	74.9	72.3	77.5	69.4	66.8	72.0	Hamad Kanoo & Jaw & Asker Clinic
63.4	59.9	67.0	74.8	70.2	79.8	56.2	52.9	59.4	77.1	71.0	83.2	75.6	68.3	83.3	78.1	72.9	83.1	East Riffa
58.5	55.1	61.7	12.8	16.7	9.5	61.6	57.6	65.4	103.5	109.5	98.3	17.1	12.5	21.1	108.5	114.8	102.8	Kuwait
120.3	106.0	135.8	12.5	19.0	8.6	132.0	112.6	154.4	96.6	91.6	101.3	8.8	9.1	8.6	106.0	98.5	113.5	Mohammed Jassim Kanoo
NA	NA	NA	NA	NA	NA	NA	NA	NA	146.8	156.7	137.5	138.9	225.0	70.0	150.0	131.8	168.2	Zallaq
79.1	78.0	80.2	72.9	74.4	71.5	80.9	79.1	82.6	88.8	88.0	89.6	76.8	75.1	78.5	92.6	92.0	93.1	% HC Coverage
17.9	3.8	3.7	21.3	21.1	21.5	3.5	3.4	3.6	11.1	8.2	8.6	19.7	19.6	19.8	9.9	9.6	10.2	% Private Coverage
97.0	81.8	83.9	94.2	95.5	93.0	84.4	92.5	86.2	99.9	96.2	98.2	96.5	95.2	98.3	102.5	101.6	103.3	Total & Percentage

Note: Refer to conventions used in the report.

2008

(Cont'd) Table 7.4 ()
(6 - 1)

Immunization Coverage Among Children (1 - 6 Years) and Pregnant Women by Registered Live Births in Health Centers and Nationality 2008

% Immunization Coverage																				
Meningococcal (MENING)									2nd dose of Hepatitis A (HAV2)											
Total			Non-Bah.			Bah.			Total			Non-Bah.			Bah.					
Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male			
99.7	99.1	100.2	120.6	120.6	120.6	93.6	92.2	94.9	100.8	100.8	100.7	118.6	118.6	118.7	95.6	95.2	96.0	Region I		
98.0	100.3	95.7	118.2	125.2	110.9	88.2	87.9	88.5	98.0	100.6	95.4	118.2	126.1	110.0	88.2	87.9	88.5	Muharraq		
109.2	108.1	110.2	130.5	126.0	135.5	98.5	97.6	99.2	106.0	105.1	106.9	124.5	117.9	131.8	96.8	97.6	96.0	Sh.Salman		
89.0	89.2	88.8	103.0	102.9	103.1	87.4	87.6	87.2	94.5	94.6	94.4	110.6	108.8	112.5	92.7	93.0	92.4	National Bank of Bahrain - Arad		
103.3	98.4	107.5	100.0	89.5	120.0	103.6	99.4	106.9	106.4	104.7	107.9	93.1	94.7	90.0	107.4	105.7	108.7	National Bank of Bahrain - Dair		
85.6	85.5	85.8	87.9	89.1	86.8	82.5	80.7	84.3	86.9	86.7	87.1	87.4	88.2	86.6	86.3	84.9	87.7	Region II		
89.5	92.7	86.5	85.0	85.8	84.2	95.5	101.9	89.6	93.7	96.0	91.5	88.4	89.1	87.7	100.6	105.0	96.5	Naim		
89.4	85.8	93.3	96.8	95.1	98.5	77.0	71.1	84.0	87.6	85.8	89.5	94.6	93.0	96.3	75.8	74.4	77.3	Ibn Sinna		
74.6	70.4	78.4	75.6	74.2	76.7	73.7	67.0	80.1	74.8	70.1	78.9	73.9	71.1	76.2	75.6	69.3	81.7	Sh.Sabah Al Salem		
94.5	99.4	90.3	99.6	108.8	92.7	80.6	79.2	82.2	95.6	101.2	90.8	95.8	104.4	89.4	94.9	94.3	95.6	Al Hoorah		
90.3	89.9	90.8	34.7	30.2	39.7	95.8	96.1	95.5	90.3	89.9	90.7	32.5	28.5	36.9	95.9	96.3	95.6	Region III		
84.7	82.0	87.4	57.8	54.4	62.0	87.9	85.8	90.0	84.2	81.5	86.8	52.8	50.0	56.3	87.9	85.8	90.0	Isa Town		
97.0	94.6	99.4	25.0	11.8	40.0	100.9	99.5	102.3	97.1	94.6	99.5	25.0	11.8	40.0	101.0	99.5	102.5	Jidhafs		
91.3	95.3	87.4	14.8	13.4	16.1	104.0	108.9	99.4	91.3	95.3	87.4	14.8	13.4	16.1	104.0	108.9	99.4	Budaiya		
83.3	80.6	86.0	30.3	12.5	47.1	87.3	85.5	89.0	86.7	85.7	87.7	30.3	12.5	47.1	90.9	91.0	90.9	Bilad Al Kadeem		
94.2	96.5	92.0	54.5	38.5	77.8	95.6	99.0	92.4	92.3	94.3	90.5	45.5	38.5	55.6	94.0	96.7	91.5	A'Ali		
85.8	81.4	90.2	72.0	65.2	78.8	89.1	85.3	92.8	84.8	80.7	88.9	66.7	61.6	71.9	89.1	85.2	93.0	Region IV		
79.4	79.2	79.6	28.4	18.4	38.9	84.6	85.6	83.6	78.5	77.7	79.3	28.4	18.4	38.9	83.6	83.9	83.3	Hamad Town		
100.0	99.0	101.0	41.7	20.0	77.8	101.5	101.5	101.4	100.2	98.7	101.6	45.8	20.0	88.9	101.6	101.3	101.8	Sitra		
71.3	67.7	74.8	75.1	67.8	82.0	69.3	67.6	70.9	69.5	68.0	71.0	70.0	66.7	73.2	69.3	68.8	69.8	Hamad Kanoo & Jaw & Asker Clinic		
79.9	71.4	88.4	87.9	78.3	98.5	74.8	66.7	82.5	74.4	66.7	82.0	80.4	71.4	90.3	70.6	63.5	77.2	East Riffa		
91.8	89.1	94.3	7.7	11.1	4.8	97.4	94.0	100.7	93.1	88.8	97.2	5.1	11.1	0.0	99.0	93.7	104.1	Kuwait		
91.4	81.5	102.2	3.6	4.8	2.9	101.0	87.4	116.7	95.6	85.6	106.6	0.0	0.0	0.0	106.0	92.1	122.2	Mohammed Jassim Kanoo		
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Zallaq		
89.6	87.8	91.4	81.4	79.1	83.7	91.9	90.3	93.5	89.6	88.0	91.2	79.0	77.1	81.0	92.6	91.2	94.1	% HC Coverage		
10.3	10.1	10.5	20.5	19.6	21.4	9.1	8.9	9.3	10.4	10.0	10.8	20.8	20.4	21.2	6.4	6.5	6.3	% Private Coverage		
99.9	97.9	101.9	101.9	98.7	105.1	101.0	99.2	102.8	100.0	98.1	102.0	99.8	97.5	102.2	99.0	97.7	100.4	Total & Percentage		

Note: Refer to conventions used in the report.

2008

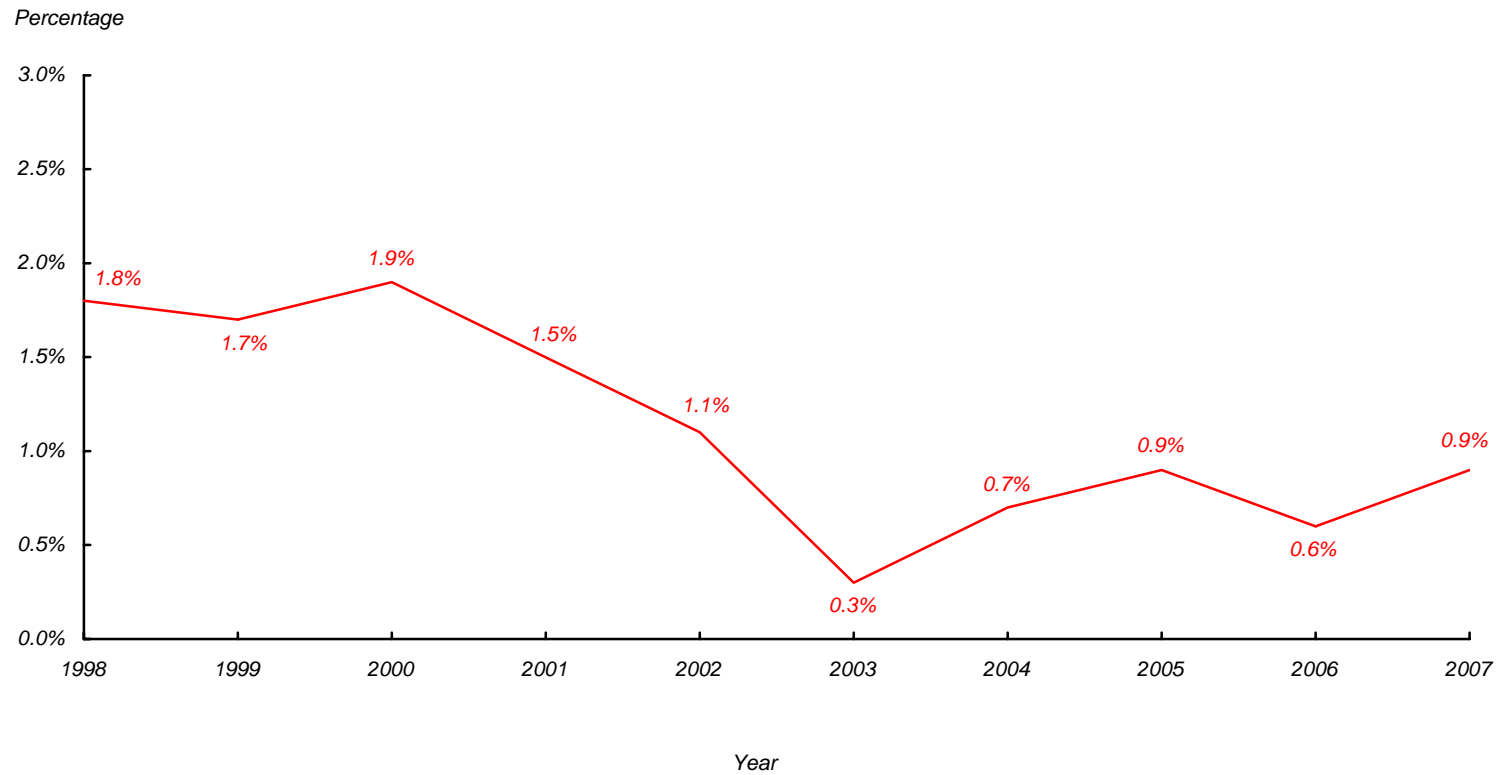
(Cont'd) Table 7.4 ()
(6 - 1)

Immunization Coverage Among Children (1 - 6 Years) and Pregnant Women by Registered Live Births in Health Centers and Nationality 2008

% Immunization Coverage																		
Child protection rate at birth by Td 2									% of pregnant women received 2 or more doses of tetanus toxoid									
PAB									Td2+									
Total			Non-Bah.			Bah.			Total			Non-Bah.			Bah.			
Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	
22.3	47.3	42.2	51.5	107.2	99.2	11.3	24.3	21.3	20.4	20.4	NA	94.0	94.0	NA	21.3	21.3	NA	Region I
34.3	67.4	69.8	62.0	124.4	123.6	16.1	31.3	33.3	29.9	29.9	NA	110.2	110.2	NA	27.9	27.9	NA	Muharraq
18.6	40.9	34.3	32.2	68.8	60.6	9.2	20.6	16.7	17.4	17.4	NA	62.2	62.2	NA	16.7	16.7	NA	Sh.Salman
23.0	53.1	40.7	86.7	195.0	156.0	13.2	30.6	23.3	21.1	21.1	NA	166.0	166.0	NA	26.7	26.7	NA	National Bank of Bahrain - Arad
6.3	13.1	12.3	20.0	36.4	44.4	5.7	11.8	11.1	6.1	6.1	NA	22.2	22.2	NA	11.1	11.1	NA	National Bank of Bahrain - Dair
38.4	81.0	72.9	47.3	100.6	89.3	25.7	53.8	49.3	30.3	30.3	NA	71.1	71.1	NA	47.8	47.8	NA	Region II
39.4	78.9	78.7	48.5	99.5	94.5	27.1	52.7	56.0	35.1	35.1	NA	76.0	76.0	NA	52.0	52.0	NA	Naim
44.7	89.3	89.3	47.6	100.0	90.7	37.4	66.7	85.2	40.6	40.6	NA	91.3	91.3	NA	65.7	65.7	NA	Ibn Sinna
29.2	68.9	50.7	35.1	77.9	63.8	24.9	61.5	41.9	19.2	19.2	NA	38.5	38.5	NA	47.1	47.1	NA	Sh.Sabah Al Salem
41.7	90.2	77.5	55.8	122.7	102.3	11.5	24.1	22.0	30.2	30.2	NA	81.8	81.8	NA	20.3	20.3	NA	Al Hoorah
33.9	70.2	65.7	226.6	502.4	412.9	26.6	54.9	51.7	30.1	30.1	NA	169.5	169.5	NA	50.7	50.7	NA	Region III
37.1	76.7	72.0	249.1	516.4	481.4	18.8	38.8	36.4	31.0	31.0	NA	295.8	295.8	NA	33.2	33.2	NA	Isa Town
40.9	78.8	85.1	289.7	600.0	560.0	35.4	68.1	73.7	37.9	37.9	NA	221.1	221.1	NA	64.7	64.7	NA	Jidhafs
20.8	46.6	37.4	142.1	540.0	192.9	18.7	41.7	33.9	18.0	18.0	NA	31.8	31.8	NA	39.7	39.7	NA	Budaiya
34.0	72.2	64.3	121.4	283.3	212.5	31.2	66.0	59.0	31.4	31.4	NA	106.3	106.3	NA	65.4	65.4	NA	Bilad Al Kadeem
35.4	72.8	68.8	62.5	166.7	100.0	35.1	71.9	68.4	32.9	32.9	NA	45.5	45.5	NA	66.5	66.5	NA	A'Ali
25.9	55.8	48.4	39.5	85.6	73.2	23.5	50.5	43.9	22.4	22.4	NA	53.3	53.3	NA	43.7	43.7	NA	Region IV
33.1	74.2	59.7	310.0	442.9	1,033.3	28.6	64.9	51.3	25.5	25.5	NA	68.9	68.9	NA	49.7	49.7	NA	Hamad Town
21.0	42.6	41.3	104.8	366.7	146.7	19.4	39.0	38.5	20.8	20.8	NA	122.2	122.2	NA	41.2	41.2	NA	Sitra
22.9	50.5	42.0	31.4	64.0	61.5	18.6	42.7	33.0	17.2	17.2	NA	46.6	46.6	NA	27.7	27.7	NA	Hamad Kanoo & Jaw & Asker Clinic
24.2	53.9	43.9	36.6	82.9	65.6	16.1	35.5	29.5	18.6	18.6	NA	58.0	58.0	NA	25.5	25.5	NA	East Riffa
30.2	66.3	55.6	42.9	100.0	75.0	30.1	66.0	55.4	30.4	30.4	NA	18.8	18.8	NA	65.4	65.4	NA	Kuwait
29.6	60.1	58.4	110.0	220.0	220.0	28.4	57.5	56.0	29.1	29.1	NA	42.3	42.3	NA	57.9	57.9	NA	Mohammed Jassim Kanoo
24.1	61.8	39.6	3.0	6.7	5.6	37.0	105.3	57.1	22.8	22.8	NA	5.3	5.3	NA	74.1	74.1	NA	Zallaq
29.7	62.6	56.3	57.8	123.2	108.9	23.0	48.4	43.7	25.8	25.8	NA	82.6	82.6	NA	43.1	43.1	NA	% HC Coverage
69.7	6.6	7.2	6.2	5.9	6.5	7.5	7.3	7.8	5.6	5.6	NA	4.2	4.2	NA	1.5	1.5	NA	% Private Coverage
99.4	69.2	63.5	64.0	129.1	115.4	30.7	55.7	51.5	31.4	31.4	NA	86.8	86.8	NA	44.6	44.6	NA	Total & Percentage

Note: Refer to conventions used in the report.

Figure 7.1
2007 - 1998 (7- 6) 10mm
Positive Tuberculin Test Rates more than 10mm for Children at School Entry (6-7 years) 1998 - 2007



2008
Table 7.5
(7mmol/L)
Number of New Cases with Fasting Blood Sugar more than 7mmol/L by Nationality, Age Groups and Sex 2008

<i>Total</i>			<i>Non-Bahraini</i>			<i>Bahraini</i>			<i>Age Group</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>	
202	110	92	12	4	8	190	106	84	>20
2,578	1,526	1,052	669	330	339	1,909	1,196	713	20 - 40
16,323	9,381	6,942	2,580	963	1,617	13,743	8,418	5,325	41 - 60
7,414	4,428	2,986	327	159	168	7,087	4,269	2,818	< 60
26,517	15,445	11,072	3,588	1,456	2,132	22,929	13,989	8,940	Total

2008
Table 7.6
(6.2mmol/L)
Number of New Cases Tested for Cholesterol, Level more than 6.2 mmol/L
by Nationality, Age Groups and Sex 2008

<i>Total</i>			<i>Non-Bahraini</i>			<i>Bahraini</i>			<i>Age Group</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>	
66	34	32	9	3	6	57	31	26	> 20
1,455	759	696	434	183	251	1,021	576	445	20 - 40
5,484	3,324	2,160	1,083	434	649	4,401	2,890	1,511	41 - 60
2,019	1,406	613	202	50	152	1,817	1,356	461	< 60
9,024	5,523	3,501	1,728	670	1,058	7,296	4,853	2,443	Total

Table 7.7
2008 - 2004
Incidences of Notifiable Communicable Diseases 2004 - 2008

		<i>Disease</i>	<i>2008</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>		<i>ICD-10 Code</i>
I M M U N I Z A B L E		Typhoid fever	8	8	12	12	11		A01.0
		Pulmonary TB *	201	180	170	171	126	*	A15-A16
		Non-pulmonary TB *	103	111	107	109	116	*	A17-A19
		Diphtheria	-	-	-	-	-	()	A36
		Whooping cough	-	-	-	-	-	()	A37
		Neonatal tetanus	-	-	-	-	-	()	A33
		Non-neonatal tetanus	-	-	-	-	-		A34-A35
		Meningococcal meningitis	-	-	-	-	-		A39.0
		Haemophilus Influenzae (b) meningitis	-	-	-	-	-		G00.0
		Poliomyelitis	-	-	-	-	-	()	A80
		Measles	2	7	3	4	11		B05
		Mumps	80	93	23	87	35	()	B26
		Rubella	2	5	3	7	2		B06
		Chickenpox	3,380	8,606	3,231	1,812	2,924	()	B01
D I S E A S E S		Influenza	5,798	4,469	3,898	4,221	4,010	()	J10-J11
		Yellow Fever (Jaundice)	-	-	-	-	-	()	P58-P59
		Viral hepatitis							B15-B19
		A	102	123	144	189	246		
		B	23	24	21	27	35		
		C	2	3	7	4	11		
		E	7	13	16	19	34		
		Other meningitis	33	38	57	22	39		G02-G03
		Paratyphoid fever	4	7	3	4	8		A01.1
		Other salmonella infection	418	397	346	400	317		A02
		Acute Flaccid Paralysis	5	5	4	4	2		G82.0
		Shigellosis	42	125	70	100	178		A03
		Food poisoning	300	286	232	282	273		A05
		Amoebiasis	29	37	-	9	15		A06
N O N - I D I M M U N I Z E D		Malaria (P.falciparum)	5	7	11	11	3		B50
		Malaria (P.vivax)	86	92	57	57	81		B51
		Malaria Mixed	-	1	2	3	1		B52
		Syphilis	144	232	183	237	191	()	A50-A54
		Gonococcal infection	419	352	231	212	233	()	A55
		Streptococcal sore throat	2,872	3,424	1,841	1,058	489		A41
		Leprosy	3	2	3	-	1		A31
		AIDS	6	1	3	10	5		B20-B25
		Other and unspecified predominantly sexually transmitted diseases not elsewhere classified	349	84	149	433	458		A63-A64

* Bahraini & Non-Bahraini were included, non-Bahraini repatriated after receiving the required treatment according to national policy.

*

Table 7.8
2008 - 2004 **100,000**
Incidence Rates Per 100,000 Population of Notifiable Communicable Diseases 2004 - 2008

		<i>%Change</i>							<i>ICD-10 Code</i>
		<i>2006-2007</i>	<i>2008</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>		
<i>Disease</i>									
I M M U N I Z A B L E	Typhoid fever	-52.4	...	0.8	1.6	1.7	1.6		A01.0
	Pulmonary TB *	-24.3	...	17.3	22.9	23.6	17.8	*	A15-A16
	Non-pulmonary TB *	-25.9	...	10.7	14.4	15.0	16.4	*	A17-A19
	Diphtheria	-	...	-	-	-	-	()	A36
	Whooping cough	-	...	-	-	-	-	()	A37
	Neonatal tetanus	-	...	-	-	-	-	()	A33
	Non-neonatal tetanus	-	...	-	-	-	-		A34-A35
	Meningococcal meningitis	-	...	-	-	-	-		A39.0
	Haemophilus Influenzae (b) meningitis	-	...	-	-	-	-	()	G00.0
	Poliomyelitis	-	...	-	-	-	-		A80
	Measles	66.7	...	0.7	0.4	0.6	1.6		B05
	Mumps	188.9	...	8.9	3.1	12.0	4.9	()	B26
	Rubella	19.1	...	0.5	0.4	1.0	0.3		B06
	Chickenpox	90.3	...	828.1	435.1	250.1	413.5	()	B01
D I S E A S E S	Influenza	-18.1	...	430.0	524.9	582.5	567.0	()	J10-J11
	Yellow Fever (Jaundice)	-	...	-	-	-	-	()	P58-P59
	Viral hepatitis								B15-B19
	A	-39.0	...	11.8	19.4	26.1	34.8		
	B	-18.3	...	2.3	2.8	3.7	4.9		
N O N - I D I S E A S E S	C	-69.4	...	0.3	0.9	0.6	1.6		
	E	-41.9	...	1.3	2.2	2.6	4.8		
	Other meningitis	-52.4	...	3.7	7.7	3.0	5.5		G02-G03
	Paratyphoid fever	66.7	...	0.7	0.4	0.6	1.1		A01.1
	Other salmonella infection	-18.0	...	38.2	46.6	55.2	44.8		A02
	Acute Flaccid Paralysis	-10.7	...	0.5	0.5	0.6	0.3		G82.0
	Shigellosis	27.6	...	12.0	9.4	13.8	25.2		A03
	Food poisoning	-11.9	...	27.5	31.2	38.9	38.6		A05
	Amoebiasis	-	...	3.6	-	1.2	2.1		A06
	Malaria (P.falciparum)	-54.5	...	0.7	1.5	1.5	0.4		B50
	Malaria (P.vivax)	15.3	...	8.9	7.7	7.9	11.5		B51
	Malaria Mixed	-64.3	...	0.1	0.3	0.4	0.1		B52
	Syphilis	-9.4	...	22.3	24.6	32.7	27.0	()	A50-A53
	Gonococcal infection	8.9	...	33.9	31.1	29.3	32.9	()	A54
Streptococcal sore throat	32.9	...	329.5	247.9	146.0	69.1		A40	
Leprosy	-52.4	...	0.2	0.4	-	0.1		A30	
AIDS	-76.2	...	0.1	0.4	1.4	0.7		B20-B24	
Other and unspecified predominantly sexually transmitted diseases not elsewhere classified	-59.7	...	8.1	20.1	59.8	64.8		A63-A64	

* Bahraini & Non-Bahraini were included, non-Bahraini repatriated after receiving the required treatment according to national policy.

*

2008
Annual Distribution of Viral Hepatitis Incidences by Nationality, Age Groups and Sex 2008

<i>Viral Hepatitis</i>													
<i>Total</i>				<i>Bahraini</i>				<i>Bahraini</i>					
<i>E</i>	<i>C</i>	<i>B</i>	<i>A</i>	<i>E</i>	<i>C</i>	<i>B</i>	<i>A</i>	<i>E</i>	<i>C</i>	<i>B</i>	<i>A</i>	<i>Sex</i>	<i>Age Groups</i>
-	-	-	3	-	-	-	3	-	-	-	-	- Male	0-4
-	-	-	1	-	-	-	1	-	-	-	-	- Female	
-	-	-	4	-	-	-	4	-	-	-	-	- Total	
-	-	-	26	-	-	-	10	-	-	-	16	16 Male	5-14
-	-	-	25	-	-	-	6	-	-	-	19	19 Female	
-	-	-	51	-	-	-	16	-	-	-	35	35 Total	
1	-	5	17	1	-	1	1	-	-	4	16	16 Male	15-21
1	-	-	8	-	-	-	3	1	-	-	5	5 Female	
2	-	5	25	1	-	1	4	1	-	4	21	21 Total	
3	2	6	13	3	-	4	8	-	2	2	5	5 Male	25-34
1	-	1	1	1	-	1	-	-	-	-	1	1 Female	
4	2	7	14	4	-	5	8	-	2	2	6	6 Total	
-	-	5	2	-	-	3	2	-	-	2	-	- Male	35-44
-	-	1	1	-	-	-	1	-	-	1	-	- Female	
-	-	6	3	-	-	3	3	-	-	3	-	- Total	
1	-	4	4	1	-	2	3	-	-	2	1	1 Male	45-54
-	-	-	-	-	-	-	-	-	-	-	-	- Female	
1	-	4	4	1	-	2	3	-	-	2	1	1 Total	
-	-	1	1	-	-	-	1	-	-	1	-	- Male	55-64
-	-	-	-	-	-	-	-	-	-	-	-	- Female	
-	-	1	1	-	-	-	1	-	-	1	-	- Total	
-	-	-	-	-	-	-	-	-	-	-	-	- Male	65 +
-	-	-	-	-	-	-	-	-	-	-	-	- Female	
-	-	-	-	-	-	-	-	-	-	-	-	- Total	
5	2	21	66	5	-	10	28	-	2	11	38	38 Male	Total
2	-	2	36	1	-	1	11	1	-	1	25	25 Female	
7	2	23	102	6	-	11	39	1	2	12	63	63 Total	

Table 7.10

2008

Annual Distribution of Viral Hepatitis Incidences by Governorate, Nationality and Sex 2008

<i>Viral Hepatitis</i>													
<i>Total</i>				<i>Bahraini</i>				<i>Bahraini</i>					
E	C	B	A	E	C	B	A	E	C	B	A	<i>Sex</i>	<i>Governorate</i>
1	1	5	11	1	-	2	4	-	1	3	7	Male	Muharraq
-	-	-	5	-	-	-	1	-	-	-	4	Female	
1	1	5	16	1	-	2	5	-	1	3	11	Total	
-	-	3	19	-	-	1	15	-	-	2	4	Male	Capital
-	-	2	11	-	-	1	6	-	-	1	5	Female	
-	-	5	30	-	-	2	21	-	-	3	9	Total	
-	-	5	15	-	-	2	2	-	-	3	13	Male	Northern
-	-	-	6	-	-	-	1	-	-	-	5	Female	
-	-	5	21	-	-	2	3	-	-	3	18	Total	
4	1	8	11	4	-	5	4	-	1	3	7	Male	Central
2	-	-	8	1	-	-	2	1	-	-	6	Female	
6	1	8	19	5	-	5	6	1	1	3	13	Total	
-	-	-	10	-	-	-	3	-	-	-	7	Male	Southern
-	-	-	6	-	-	-	1	-	-	-	5	Female	
-	-	-	16	-	-	-	4	-	-	-	12	Total	
5	2	21	66	5	-	10	28	-	2	11	38	Male	Total
2	-	2	36	1	-	1	11	1	-	1	25	Female	
7	2	23	102	6	-	11	39	1	2	12	63	Total	

Table 7.11
 " "
2008
Hepatitis "B" Carriers by Age Groups, Nationality and Sex 2008

<i>Total</i>			<i>Non-Bahraini</i>			<i>Bahraini</i>			<i>Age Groups</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>	
-	-	-	-	-	-	-	-	-	Less than 1 Year
1	-	1	1	-	1	-	-	-	1-4
3	-	3	3	-	3	-	-	-	5-14
142	63	79	117	60	57	25	3	22	15-24
263	111	152	248	109	139	15	2	13	25-34
138	62	76	114	53	61	24	9	15	35-44
50	14	36	38	12	26	12	2	10	45-54
20	5	15	10	2	8	10	3	7	55-64
18	7	11	5	2	3	13	5	8	65 +
635	262	373	536	238	298	99	24	75	Total

Table 7.12
 " "
2008
Hepatitis "B" Carriers by Geographical Region, Nationality and Sex 2008

<i>Total</i>			<i>Non-Bahraini</i>			<i>Bahraini</i>			<i>Geographical Region</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>	
16	8	8	14	7	7	2	1	1	Hidd
74	37	37	61	34	27	13	3	10	Muharraq
192	67	125	182	63	119	10	4	6	Manama
41	20	21	28	18	10	13	2	11	Jidhafs
42	14	28	30	13	17	12	1	11	Northern
28	8	20	17	5	12	11	3	8	Sitra
42	20	22	35	19	16	7	1	6	Central
24	16	8	20	15	5	4	1	3	Isa Town
114	41	73	106	39	67	8	2	6	Riffa
22	10	12	20	9	11	2	1	1	Western
-	-	-	-	-	-	-	-	-	Southern
40	21	19	23	16	7	17	5	12	Hamad Town
635	262	373	536	238	298	99	24	75	Total

Table 7.13
2008 **100,000**
Selected Communicable Diseases Incidences & Rates Per 100,000 Population by Age Groups 2008

<i>Measles</i>	<i>Typhoid fever</i>	<i>Paratyphoid fever</i>	<i>Shigellosis</i>	<i>Salmonellosis</i>	<i>()</i> <i>Age Groups</i> <i>(Years)</i>
<i>Cases</i>	<i>Cases</i>	<i>Cases</i>	<i>Cases</i>	<i>Cases</i>	
2	-	1	16	187	0-4
-	4	1	13	44	5-14
-	1	1	3	28	15-24
-	3	1	4	53	25-34
-	-	-	4	40	35-44
-	-	-	-	35	45-54
-	-	-	2	16	55-64
-	-	-	-	15	65+
2	8	4	42	418	Total

(...) Not available.

(...)

Figure 7.2

Reserved for future use

Table 7.15

Reserved for future use

Table 7.16
2008 - 2004
Water Supply Bacteriological and Chemical Test Results by Source 2004 - 2008

<i>Source</i>	<i>2008</i>		<i>2007</i>		<i>2006</i>		<i>2005</i>		<i>2004</i>	
	<i>%</i>		<i>%</i>		<i>%</i>		<i>%</i>		<i>%</i>	
	<i>Unsatisfactory</i>	<i>No. of samples</i>	<i>Unsatisfactory</i>	<i>No. of samples</i>	<i>Unsatisfactory</i>	<i>No. of samples</i>	<i>Unsatisfactory</i>	<i>No. of samples</i>	<i>Unsatisfactory</i>	<i>No. of samples</i>
Public water	1.05	2,750	9.2	1,450	7.2	832	12.2	1,548	1.8	1,884
Demineralized water	-	-	-	-	-	-	-	-	-	-
Schools, Hospitals, Hotels	2.68	2,353	8.1	3,075	12.7	1,991	13.1	2,910	7.1	3,109
Total	3.73	5,103	17.3	4,525	11.1	2,823	12.8	4,458	5.1	4,993

Table 7.17
2008 - 2004
Examined and Positive Breeding Spots of Mosquito by Governorate 2004 - 2008

<i>Governorate</i>	<i>2008</i>	<i>2007</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>
Potential spots examined					
Muharraq	5,548	5,527	13,036	7,682	8,502
Capital	39,348	43,315	69,195	29,776	23,043
Central	32,124	25,928	4,246	25,536	28,946
Northern	33,399	32,952	68,163	37,802	40,364
Southern	9,269	10,919	20,466	10,411	10,002
Total	119,688	118,641	175,106	111,207	110,857
Positive Culex spots					
Muharraq	59	67	155	69	33
Capital	569	1,044	1,844	532	505
Central	311	516	839	485	417
Northern	1,732	2,189	2,725	1,773	1,543
Southern	174	211	331	185	150
Total	2,845	4,027	5,894	3,044	2,648
Positive Anopheles spots					
Muharraq	-	1	22	13	-
Capital	11	7	36	30	10
Central	12	25	91	60	18
Northern	79	94	305	127	62
Southern	7	9	12	13	1
Total	109	136	466	243	91

Table 7.18
2008
Malaria Cases by Country of Origin 2008

<i>Country of Origin</i>	<i>Total</i>	<i>P.F.</i>	<i>P.V.</i>	<i>P.M.</i>	<i>Mixed (P.F. & P.V.)</i>
Kingdom of Bahrain	-	-	-	-	-
Republic of India	41	2	39	-	-
Islamic Republic of Pakistan	42	2	40	-	-
People's Republic of Bangladesh	1	-	1	-	-
Republic of Yemen	1	-	1	-	-
Republic of Ghana	1	1	-	-	-
North Africa	1	-	1	-	-
Ivory Coast	1	-	1	-	-
Unknown	3	-	3	-	-
Total	91	5	86	-	-

P.F. - *Plasmodium falciparum* - often fatal form of malaria .

P.V. - *Plasmodium vivax* - usually mild form of malaria .

P.M. - *Plasmodium malaria* - mild form of malaria .

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Table 7.19
2008 - 2007
Selected Serological Test Results 2007 - 2008

<i>Test / Source</i>	<i>2008</i>			<i>2007</i>			<i>/</i>
	<i>Positive samples</i>		<i>Total Samples</i>	<i>Positive samples</i>		<i>Total Samples</i>	
	<i>%</i>	<i>No.</i>		<i>%</i>	<i>No.</i>		
Hepatitis B surface antigen (HBsAg)							
Blood Bank	0.18	31	17,423	0.15	23	15,218	
Suspected cases	2.64	860	32,556	2.78	836	30,030	
Anti-HBs							
Postvaccination testing	54.30	764	1,407	57.22	1,129	1,973	
Hepatitis B, E antigen (HBeAg) *							*
HBeAg +ve cases	36.27	70	193	18.99	79	416	
Anti-HBe							
HBeAg +ve cases	63.24	289	457	64.67	302	467	
Hepatitis A (Igm)							
Suspected cases	2.34	49	2,092	5.25	101	1,924	
Rubella antibodies (IgG)							()
Suspected cases pregnant women at 1st antenatal visit, other women	95.07	10,424	10,964	95.88	15,204	15,858	
Rubella antibodies (IgM)							()
Suspected cases	0.81	4	495	0.98	5	511	
HIV antibodies							
Blood donors	0.01	1	17,423	0.01	1	15,218	
Pre-employment examination	0.12	56	45,731	0.11	44	39,782	

* Hepatitis B, E antigen (HBeAg): decrease / increase due to selective sample testing.

Table 7.20
2008 - 2004 **1000**
Number and Rates per 1000 population of Road and Traffic Related Accidents by Seriousness of Injuries and Sex 2004 - 2008

<i>Seriousness of Injury</i>	<i>Rate</i>	<i>Total</i>			<i>Pedestrians</i>		<i>Passengers</i>		<i>Drivers</i>		
		<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	
2004											2004
Death	0.10	70	10	60	3	23	7	9	-	28	
Serious injury	0.76	538	97	441	24	109	39	100	34	232	
Slight injury	4.26	3,016	985	2,031	102	283	530	656	353	1,092	
2005											2005
Death	0.11	83	15	68	2	24	11	12	2	32	
Serious injury	0.86	623	132	491	33	130	53	101	46	260	
Slight injury	4.02	2,912	953	1,959	96	280	526	695	331	984	
2006											2006
Death	0.12	87	13	74	4	22	7	18	2	34	
Serious injury	0.72	533	108	425	32	142	39	84	37	199	
Slight injury	3.93	2,919	973	1,946	103	311	503	599	367	1,036	
2007											2007
Death	0.09	91	8	83	3	23	2	16	3	44	
Serious injury	0.53	551	111	440	34	126	43	104	34	210	
Slight injury	2.76	2,864	879	1,985	109	316	432	631	338	1,038	
2008											2008
Death	...	84	6	78	2	25	3	17	1	36	
Serious injury	...	605	102	503	31	160	45	95	26	248	
Slight injury	...	2,726	848	1,878	101	292	412	596	335	990	

(...) Not available.

(...)

Source: Ministry of Interior - General Directorate of Traffic .

Figure 7.3
2007 - 2004 **1000**
Road & Traffic Related Accidents Rate Per 1000 Population by Seriousness of Injuries 2004 - 2007



Reference: Table 7.20

7.20 :

Table 7.21

2008

Number of Road and Traffic Related Accidents by Seriousness of Injuries and Age Groups 2008

<i>Seriousness of Injury</i>	<i>Age Groups</i>								
	<i>Total</i>	<i>70+</i>	<i>69-60</i>	<i>59-50</i>	<i>49-40</i>	<i>39-30</i>	<i>29-20</i>	<i>19-10</i>	<i>09-0</i>
Drivers									
Death	37	-	2	2	4	5	18	6	-
Serious injury	274	-	4	20	31	67	103	47	2
Slight injury	1,325	3	19	94	210	330	554	106	9
Total	1,636	3	25	116	245	402	675	159	11
Passengers									
Death	20	-	2	-	1	2	7	7	1
Serious injury	140	6	1	3	7	30	41	35	17
Slight injury	1,008	31	13	34	93	194	317	206	120
Total	1,168	37	16	37	101	226	365	248	138
Pedestrians									
Death	27	2	-	3	5	7	7	1	2
Serious injury	191	7	5	11	15	31	43	22	57
Slight injury	393	13	12	29	46	62	62	71	98
Total	611	22	17	43	66	100	112	94	157
Death	84	-	2	5	10	14	32	14	3
Serious injury	605	13	9	34	53	128	187	104	76
Slight injury	2,726	47	44	157	349	586	933	383	227
Grand Total	3,415	60	55	196	412	728	1,152	501	306

Source: Ministry of Interior - General Directorate of Traffic .

Table 7.22
2008
Injury Accidents by Main Causes and Seriousness of Injury 2008

<i>Main Causes</i>	<i>Seriousness of Injury</i>			
	<i>Total</i>	<i>Slight injury</i>	<i>Serious injury</i>	<i>Death</i>
Accident due to Driver Action	1,862	1,324	464	74
Accident due to Pedestrian Action	77	50	27	-
Accident due to Passenger Action	6	6	-	-
Accident due to Obstruction	8	5	3	-
Accident due to Defective Vehicles	9	7	2	-
Accident due to Road Condition	6	3	3	-
Accident due to Weather Condition	4	3	1	-
Accident due to Animals	-	-	-	-
Accident due to Other Factors	71	48	22	1
Total	2,043	1,446	522	75

Source: Ministry of Interior - General Directorate of Traffic .

Table 7.23
2008
Injury Accidents by Region and Seriousness of Injury 2008

<i>Region</i>	<i>Seriousness of Injury</i>			
	<i>Total</i>	<i>Slight injury</i>	<i>Serious injury</i>	<i>Death</i>
Hidd	57	36	16	5
Muharraq	261	203	52	6
Manama	867	704	150	13
Jidhafs	281	234	39	8
Northern	243	197	38	8
Sitra	245	194	43	8
Central	202	163	34	5
Isa Town	258	215	36	7
Riffa	574	454	108	12
Western	159	123	31	5
Hawar Island	-	-	-	-
Hamad Town	268	203	58	7
Total	3,415	2,726	605	84

Source: Ministry of Interior - General Directorate of Traffic .

Table 7.24
2008
Number of Road and Traffic Related Accidents by Seriousness of Injuries and Governorate 2008

<i>Seriousness of Injury</i>	<i>Governorate</i>						
	<i>Total</i>	<i>Muharraq</i>	<i>Capital</i>	<i>Northern</i>	<i>Central</i>	<i>Southern</i>	
Drivers							
Death	37	6	6	13	6	6	
Serious injury	274	38	69	60	59	48	
Slight injury	1,325	113	390	286	389	147	
Passengers							
Death	20	3	3	4	6	4	
Serious injury	140	13	27	40	29	31	
Slight injury	1,008	79	242	241	303	143	
Pedestrians							
Death	27	2	8	5	10	2	
Serious injury	191	17	67	36	53	18	
Slight injury	393	48	122	101	90	32	
Total							
Death	84	11	17	22	22	12	
Serious injury	605	68	163	136	141	97	
Slight injury	2,726	240	754	628	782	322	

Source: Ministry of Interior - General Directorate of Traffic .

Table 7.25
2008 **1000**
Number and Rates of Occupational Injuries and Deaths Per 1000 Insured Persons by Nationality, Division of Economic Activity and Sex 2008

Division of Economic Activity	Number of Insured Persons							Total Deaths		Total Injuries		Non-Bahraini		Bahraini	
	Total	Bahraini			Bahraini			Rate	No.	Rate	No.	Injury		Injury	
		Total	Female	Male	Total	Female	Male					Female	Male	Female	Male
Agriculture, Animal husbandry, Activities & Services Related thereto	2,025	1,717	14	1,703	308	89	219	-	-	3.5	7	-	5	-	2
Fishing, Fishing Farms & Related Activities & Services	4,112	4,072	7	4,065	40	2	38	0.2	1	1.9	8	-	8	-	-
Mines & Quarries, Crude Oil, Natural Gas, Stones, Sand, Salt and Coal extraction	2,106	1,720	5	1,715	386	56	330	0.5	1	11.9	25	-	14	-	11
Transformation Industry	76,201	59,548	2,270	57,278	16653	3304	13349	0.1	4	10.2	778	4	318	24	432
Electricity, Water and Gas Supplies	586	156	3	153	430	30	400	-	-	5.1	3	-	2	-	1
Construction	130,099	118,735	549	118,186	11364	3724	7640	0.1	15	2.7	350	-	302	5	43
Wholesale and Retail Trade, Auto, Motorcycles, & personal appliances Repair	106,597	88,007	3,653	84,354	18590	5253	13337	0.1	7	6.6	706	4	449	19	234
Hotels, Restaurants, coffee shops, guest houses & short stay furnished flats	28,609	25,571	3,000	22,571	3038	1037	2001	-	1	1.6	47	3	25	5	14
Transport, Storage and communications	18,282	10,602	1,643	8,959	7680	1675	6005	0.1	2	8.0	147	54	26	10	57
Financial mediation (Banking, Insurance and finance)	14,940	5,438	752	4,686	9502	3338	6164	-	-	2.7	41	2	8	11	20
Real Estate and leasing activities, and Business properties	32,708	25,444	1,991	23,453	7264	2640	4624	0.1	2	2.4	79	2	39	4	34
Public Administration, Defense and compulsory Social Security	23	15		15	8	3	5	-	-	-	-	-	-	-	-
Educational Institutions	5,416	3,180	1,397	1,783	2236	1744	492	-	-	0.9	5	-	1	2	2
Health & Social Institutions	1,056	761	340	421	295	184	111	-	-	0.9	1	-	-	-	1
Other Community, Social & Personal Service Activities	9,137	7,988	1,487	6,501	1149	638	511	0.1	1	0.9	8	1	6	-	1
Private Households With Employed Persons	130	118	1	117	12	8	4	-	-	-	-	-	-	-	-
International & Regional Organizations	894	723	95	628	171	51	120	-	-	-	-	-	-	-	-
No Activity Group Defined	528	435	14	421	93	58	35	-	-	3.8	2	-	2	-	-
Total	433,449	354,230	17,221	337,009	79,219	23,834	55,385	0.1	34	5.1	2,207	70	1,205	80	852

Note: This table represent the insured persons against work injuries only .

Source: Social Insurance Organisation.