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Conventions

الإصطلاحات

National Bank of Bahrain Health Centers at Dair and Arad re-opened in 2006.

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Tables 7.3 & 7.4

7.4 & 7.3

New vaccines introduced as follows:-

- 1st dose of Diphtheria, Pertussis, Tetanus (DPT) is given at age of two months.
- 1st dose of Hepatitis A (HAV 1) is given at age of one year.
- 2nd dose of Hepatitis A (HAV 2) is given at age of two years.
- Meningococcal (MENINGO) is given at age of two years.

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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 immunized at childhood or school vaccination program.

Percentage Coverage for child immunized 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.

Meningococcal: The data is collected as total and not by nationality.

Table 7.1
2006 - 2002 (6-1)
Immunization Coverage (%) Among Infants and Children (1-6 years) 2002- 2006

<i>Vaccine</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>	
Infant < 1 Year						1 >
Third dose of DPT (Diphtheria, Tetanus, Pertussis)	98.4	98.2	97.7	97.3	98	()
Third dose of OPV (Oral Polio)	98.4	98.1	97.7	97.3	98	
Third dose of Hepatitis B (HB)	98.4	98	98	98	98	()
Third dose of Haemophilus Influenza B (Hib)	98.4	98.2	97.8	97.2	98	()
Children of age 1 Year						1
MMR1 (Mumps, Measles, Rubella - dose 1)	100	100	98.8	100	99.9	()
Children of age 6 Years						6
MMR2 (Mumps, Measles, Rubella - dose 2)	99	99	100	99.5	97	()

Table 7.2
2006 ()
Percentage of Immunized Persons (all ages) by Type and Place 2006

<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)	69,925	6.3	4.5	-	-	89.3	-	
OPV (Oral Polio Vaccine)	70,350	6.6	4.5	-	-	88.9	-	
DT -Diphtheria, Tetanus (Children)	219	7.3	16.9	-	-	75.8	-	()
TD - Tetanus, Diphtheria (Adult)	59,370	5.1	2.0	22.5	-	70.2	1.5	()
TT (Tetanus Toxoid) Pregnant women	7,537	8.6	9.8	-	-	81.6	-	()
MMR (Mumps, Measles, Rubella)	40,043	4.8	2.2	32.1	-	60.4	10.9	
BCG (Bacillus Calmette Guerin) ²	2,816	24.4	17.4	-	238.6	-	-	²
Cholera	-	-	-	-	-	-	-	
Typhoid fever	8,359	9.4	-	-	65.6	82.2	24.8	
Yellow fever	904	-	-	-	-	-	-	
Meningococcal ACYW	40,184	5.4	0.1	-	22.9	92.5	11.5	
Hepatitis B (Child)	60,429	8.8	5.1	-	-	86.0	-	-
Hepatitis B (Adult)	38,829	6.8	0.8	86.6	0.1	4.5	19.2	-
Haemophilus Influenzae B (Hib)	59,699	7.9	5.2	-	-	87.0	-	()
Rabies	-	-	-	-	-	-	-	
Pneumococcal	275	93.5	-	-	-	4.4	2.3	
Hepatitis A - Child	26,667	2.6	-	-	-	97.4	1.3	()
Hepatitis A - Adult	3,330	45.8	-	-	-	44.3	21.6	()
Injection Polio Vaccine (IPV) ³	12	-	-	-	-	75.0	-	³
Chickenpox	1,400	98.8	-	-	0.1	0.8	0.4	()
Influenza	5,560	64.9	-	-	-	28.8	9.7	()

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 vaccination, which provides protection against tuberculosis, is given at pre-school age (4-6 years old) to those children who are found to be tuberculin negative.

³ Injection Polio Vaccine ((IPV) is given to children for special cases.

Table 7.3

2006
Immunization Coverage Among Infant by Registered Live Births at Health Centers and Nationality 2006

Immunization Coverage																		Health Center
1 st dose of Hepatitis A (HAV1)			(3 rd dose of Influenzae b (Hib)			3 rd dose of Viral Hepatitis B (HB)			3 rd dose of Diphtheria, Tetanus & Pertussis (DPT & DT)			1 st dose of Diphtheria, Tetanus & Pertussis (DPT & DT)			3 rd dose of Oral Polio (OPV)			
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
%	Non-Bah	Bah	%	Non-Bah	Bah	%	Non-Bah	Bah	%	Non-Bah	Bah	%	Non-Bah	Bah	%	Non-Bah	Bah	
94.6	98.1	93.6	94.8	97.7	94.0	94.8	97.7	94.0	94.9	97.7	94.1	95.7	97.8	95.1	94.9	97.7	94.1	Region I
92.7	101.6	87.9	93.5	98.7	91.0	93.5	98.7	91.0	93.7	98.7	91.2	90.1	99.6	85.4	93.7	98.7	91.2	Muharraq
94.2	110.2	87.2	93.1	106.5	86.4	93.1	106.5	86.4	93.1	106.5	86.4	98.0	100.9	96.5	93.1	106.5	86.4	Sh.Salman
94.9	75.0	98.1	93.0	91.2	93.2	93.0	91.2	93.2	93.0	91.2	93.2	95.4	86.8	96.4	93.0	91.2	93.2	National Bank of Bahrain - Arad
98.1	40.0	101.0	102.8	34.5	107.9	102.8	34.5	107.9	102.8	34.5	107.9	101.7	86.2	102.8	102.8	34.5	107.9	National Bank of Bahrain - Dair
85.5	83.5	88.0	80.1	74.7	87.6	80.2	74.9	87.6	80.2	74.8	87.6	82.5	75.5	92.2	80.1	74.8	87.5	Region II
86.3	80.7	92.7	75.4	64.5	89.8	75.4	64.5	89.8	75.4	64.5	89.8	86.7	77.4	98.8	75.4	64.5	89.8	Naim
86.2	82.1	94.9	79.2	80.9	76.4	79.2	80.9	76.4	79.2	80.9	76.4	88.0	88.8	86.7	79.2	80.9	76.4	Ibn Sinna
79.8	74.3	84.4	81.0	71.1	90.4	81.1	71.4	90.4	81.1	71.4	90.4	72.5	54.9	89.6	81.1	71.4	90.4	Sh.Sabah Al Salem
92.8	98.9	78.9	89.6	89.8	88.8	89.8	90.2	88.8	89.6	89.8	88.8	86.5	85.7	88.8	89.3	89.8	87.8	Al Hooraa
86.3	28.6	91.4	90.4	35.1	95.9	90.5	35.1	95.9	90.4	35.1	95.9	90.0	44.0	94.6	90.4	35.1	95.9	Region III
81.3	40.4	85.4	87.6	45.4	92.7	87.6	45.4	92.7	87.6	45.4	92.7	86.9	60.1	90.2	87.6	45.4	92.7	Isa Town
90.3	35.2	93.5	93.7	54.7	95.8	93.8	54.7	95.9	93.7	54.7	95.8	92.8	56.3	94.8	93.7	54.7	95.8	Jidhafs
80.7	12.3	91.3	84.5	17.9	95.5	84.5	17.9	95.5	84.5	17.9	95.5	87.0	20.8	97.9	84.5	17.9	95.5	Budaiya
91.6	44.0	94.4	88.4	27.3	93.0	88.4	27.3	93.0	88.4	27.3	93.0	87.1	45.5	90.2	88.4	27.3	93.0	Bilad Al Kadeem
97.7	35.3	99.5	103.4	45.5	105.5	103.4	45.5	105.5	103.4	45.5	105.5	99.8	63.6	101.1	103.4	45.5	105.5	A'Ali
92.7	69.9	97.7	82.3	47.4	90.5	82.3	47.5	90.5	82.4	47.4	90.6	83.7	58.0	89.7	82.4	47.4	90.6	Region IV
81.1	2.6	89.7	76.2	15.3	82.2	76.2	15.3	82.2	76.8	15.3	82.9	77.7	18.1	83.5	76.8	15.3	82.9	Hamad Town
92.0	39.1	93.2	96.1	73.9	96.7	96.1	73.9	96.7	96.1	73.9	96.7	97.8	47.8	99.0	96.1	73.9	96.7	Sitra
95.7	82.2	102.0	64.4	41.1	76.8	64.4	41.1	76.8	64.4	41.1	76.8	66.6	50.4	75.2	64.4	41.1	76.8	Hamad Kanoo & Jaw & Asker Clinic
88.0	92.6	85.3	70.1	67.0	72.0	70.1	67.2	72.0	70.1	67.0	72.0	78.3	84.5	74.4	70.1	67.0	72.0	East Riffa
102.7	-	111.9	100.2	7.7	106.4	100.2	7.7	106.4	100.2	7.7	106.4	97.9	5.1	104.1	100.2	7.7	106.4	Kuwait and Zallaq Clinic
101.0	5.3	110.5	104.7	3.6	115.7	104.7	3.6	115.7	104.7	3.6	115.7	95.3	7.1	104.8	104.7	3.6	115.7	Mohammed Jassim Kanoo
89.8	15.9	73.9	86.8	14.5	72.3	86.8	14.5	72.3	86.8	14.5	72.4	87.6	15.5	72.1	86.8	14.5	72.4	% HC Coverage
10.0	5.3	4.8	11.6	5.3	6.2	11.6	5.3	6.2	11.6	5.2	6.2	12.4	5.1	7.3	11.6	5.2	6.2	% Private Coverage
99.8	21.1	78.7	98.4	19.7	78.6	98.4	19.8	78.6	98.4	19.7	78.6	100.0	20.6	79.4	98.4	19.7	78.6	Total & Percentage

Note: Refer to conventions used in the report.

جدول 7.4
2006 (6 - 1)

Immunization Coverage Among Children (1 - 6 Years) and Pregnant Women by Registered Live Births in Health Centers and Nationality 2006

* protection rate at birth by TT2 (PAB) *		* % of pregnant women received 2 or more doses of tetanus toxoid (TT2+) *		Immunization Coverage											Health Center
				Meningo- Coccal (MENING)		2 nd dose of Hepatitis A (HAV2)			2 nd dose of Mumps, Measles, Rubella (MMR2)			1 st dose of Mumps, Measles, Rubella (MMR1)			
%	Total	%	Total	%	Total	%	%	%	%	%	%	%	%	%	
						N-Bah	Bah	N-Bah	Bah	N-Bah	Bah	N-Bah	Bah		
80.7	1,903	31.3	778	104.0	2,561	90.8	95.7	89.5	73.3	79.8	71.4	94.9	98.6	93.8	Region I
80.3	502	45.4	318	89.7	616	87.8	101.4	81.4	69.3	73.3	67.1	92.7	101.6	87.9	Muharraq
59.8	407	39.8	278	92.1	637	89.7	99.0	85.9	64.7	84.2	56.3	94.8	110.7	87.8	Sh.Salman
97.9	611	24.1	159	126.0	849	93.6	78.9	95.4	78.8	93.2	77.6	94.6	76.0	97.6	National Bank of Bahrain - Arad -
89.3	383	5.4	23	112.0	459	93.2	65.2	94.8	90.2	88.2	90.3	99.5	45.0	102.2	National Bank of Bahrain - Dair -
71.1	1,346	36.6	846	87.3	2,070	74.4	72.4	77.0	64.6	67.5	61.0	86.7	85.7	87.9	Region II
68.6	459	40.1	312	83.8	623	72.5	60.2	88.3	51.6	53.8	49.3	89.0	86.7	91.5	Naim
75.6	295	40.4	180	99.3	454	91.2	96.2	82.4	64.7	69.7	56.0	86.9	82.1	97.1	Ibn Sinna
66.2	343	27.7	199	80.0	548	68.8	64.1	72.1	76.3	76.5	76.1	80.9	77.2	83.9	Sh.Sabah al Salem
79.0	249	41.9	155	94.3	445	71.4	74.3	65.1	68.5	74.0	56.1	92.3	97.5	80.5	Al Hoorra
88.1	4,002	37.0	1,878	94.2	4,563	86.0	32.7	90.8	83.5	35.8	88.0	86.5	27.6	91.7	Region III
97.6	1,278	35.0	532	86.1	1,248	78.8	49.6	81.9	76.3	59.7	78.1	81.8	39.0	86.1	Isa Town
92.3	1,064	41.0	510	95.8	1,230	88.2	21.3	91.6	84.8	32.0	87.3	90.8	33.8	94.1	Jidhafs
78.2	806	36.7	438	95.4	1,064	88.8	29.1	97.9	86.8	16.2	99.8	79.5	12.3	89.8	Budaiya
94.9	391	37.6	179	86.1	377	77.2	0.0	82.4	61.9	21.1	64.0	91.0	28.0	94.7	Bilad Al Kadeem
72.6	463	34.1	219	116.0	644	101.3	25.0	104.1	119.0	50.0	121.2	100.0	52.9	101.3	A'Ali
75.0	3,223	30.4	1,574	101.7	5,118	84.0	49.9	92.2	90.6	70.4	95.4	84.9	58.3	90.9	Region V
51.4	320	27.1	221	100.4	750	81.5	4.2	92.8	57.8	9.1	63.7	76.4	2.6	84.5	Hamad Town
97.0	929	39.3	388	95.6	896	92.6	15.6	95.4	75.7	29.2	77.2	93.1	39.1	94.3	Sitra
75.3	546	20.9	228	98.5	1,102	69.8	58.5	75.0	101.0	97.0	103.2	76.3	65.8	81.2	Hamad Kanoo & Jaw & Asker Clinic
63.6	534	24.7	268	98.2	1,054	68.7	66.3	70.2	64.8	74.9	59.7	72.6	78.9	68.9	East Riffa
98.0	595	50.6	316	104.0	598	97.6	-	103.3	102.7	6.7	109.0	101.4	-	110.5	Kuwait & Zallaq Clinic
54.8	299	26.6	153	124.0	718	115.7	-	127.6	-	-	-	102.2	7.0	111.7	Mohammed Jassim Kanoo
80.0	10,474	33.7	5,076	97.3	14,312	84.3	14.1	70.2	80.6	15.1	65.5	87.4	15.3	72.1	% HC Coverage to
12.5	1,871	10.6	1,583	2.7	397	6.6	3.4	3.2	18.4	8.4	10.0	12.6	6.0	6.6	% Private Coverage to
92.5	12,345	44.3	6,659	100.0	14,709	90.9	17.4	73.4	99.0	23.5	75.5	100.0	21.3	78.7	Total & Percentage

* Refer to conventions used in the report.

*

Table 7.5
2006 - 2002
Incidences of Notifiable Communicable Diseases 2002 - 2006

		<i>Disease</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>		<i>ICD-10 Code</i>	
I M M U N I Z A B L E		Typhoid fever	12	12	11	15	34		A01.0	
		Pulmonary TB *	170	171	126	132	128	*	A15-A16	
		Non-pulmonary TB *	107	109	116	109	66	*	A17-A19	
		Diphtheria	-	-	-	-	-	()	A36	
		Whooping cough	-	-	-	-	-	()	A37	
		Neonatal tetanus	-	-	-	-	-	()	A33	
		Non-neonatal tetanus	-	-	-	1	-		A34-A35	
		Meningococcal meningitis	-	-	-	-	-		A39.0	
		Haemophilus Influenzae (b) meningitis	-	-	-	-	-		G00.0	
		Poliomyelitis	-	-	-	-	-	()	A80	
	D I S E A S E S		Measles	3	4	11	12	8		B05
			Mumps	23	87	35	35	31	()	B26
			Rubella	3	7	2	7	2		B06
			Chickenpox	3,231	1,812	2,924	2,579	2,469	()	B01
		Influenza	3,898	4,221	4,010	4,400	2,629	()	J10-J11	
		Yellow Fever (Jaundice)	-	-	-	-	-	()	P58-P59	
		Viral hepatitis							B15-B19	
		A	144	189	246	236	206			
	B	21	27	35	21	18				
N O N - I D M I M S U E N A I S E Z A S B L E		C	7	4	11	14	-			
		E	16	19	34	22	20			
		Other meningitis	57	22	39	44	38		G02-G03	
		Paratyphoid fever	3	4	8	10	3		A01.1	
		Other salmonella infection	346	400	317	339	903		A02	
		Acute Flaccid Paralysis	4	4	2	2	3		G82.0	
		Shigellosis	70	100	178	162	187		A03	
		Food poisoning	232	282	273	156	123		A05	
		Amoebiasis	-	9	15	13	10		A06	
		Malaria (P.falciparum)	11	11	3	32	15		B50	
		Malaria (P.vivax)	57	57	81	55	30		B51	
		Malaria Mixed	2	3	1	-	-		B52	
		Syphilis	183	237	191	242	248	()	A50-A54	
		Gonococcal infection	231	212	233	488	417	()	A55	
		Streptococcal sore throat	1,841	1,058	489	775	190		A41	
		Leprosy	3	-	1	12	6		A31	
	AIDS	3	10	5	11	17		B20-B25		
	Other and unspecified predominantly sexually transmitted diseases not elsewhere classified	149	433	458		A63-A64		

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

*

Table 7.6
2006 - 2002 **100,000**
Incidence Rates Per 100,000 Population of Notifiable Communicable Diseases 2002 - 2006

	<i>Disease</i>	<i>%Change</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>		<i>ICD-10 Code</i>
I M M U N I Z A B L E D I S E A S E S	Typhoid fever	-2.4	1.6	1.7	1.6	2.2	5.1		A01.0
	Pulmonary TB *	-3.0	22.9	23.6	17.8	19.1	19.0	*	A15-A16
	Non-pulmonary TB *	-4.2	14.4	15.0	16.4	15.8	9.8	*	A17-A19
	Diphtheria	-	-	-	-	-	-	()	A36
	Whooping cough	-	-	-	-	-	-	()	A37
	Neonatal tetanus	-	-	-	-	-	-	()	A33
	Non-neonatal tetanus	-	-	-	-	0.1	-		A34-A35
	Meningococcal meningitis	-	-	-	-	-	-		A39.0
	Haemophilus Influenzae (b) meningitis	-	-	-	-	-	-	()	G00.0
	Poliomyelitis	-	-	-	-	-	-		A80
	Measles	-26.8	0.4	0.6	1.6	1.7	1.2		B05
	Mumps	-74.2	3.1	12.0	4.9	5.1	4.6	()	B26
	Rubella	-58.2	0.4	1.0	0.3	1.0	0.3		B06
	Chickenpox	74.0	435.1	250.1	413.5	374.1	367.4	()	B01
	Influenza	-9.9	524.9	582.5	567.0	638.2	391.2	()	J10-J11
Yellow Fever (Jaundice)	-	-	-	-	-	-	()	P58-P59	
Viral hepatitis								B15-B19	
	A	-25.6	19.4	26.1	34.8	34.2	30.6		
	B	-24.1	2.8	3.7	4.9	3.0	2.7		
	C	70.8	0.9	0.6	1.6	2.0	-		
	E	-17.8	2.2	2.6	4.8	3.2	3.0		
N O N - I D I M M U N E N A I S E S B L E	Other meningitis	152.8	7.7	3.0	5.5	6.4	5.7		G02-G03
	Paratyphoid fever	-26.8	0.4	0.6	1.1	1.5	0.4		A01.1
	Other salmonella infection	-15.6	46.6	55.2	44.8	49.2	134.4		A02
	Acute Flaccid Paralysis	-2.4	0.5	0.6	0.3	0.3	0.4		G82.0
	Shigellosis	-31.7	9.4	13.8	25.2	23.5	27.8		A03
	Food poisoning	-19.7	31.2	38.9	38.6	22.6	18.3		A05
	Amoebiasis	-	-	1.2	2.1	1.9	1.5		A06
	Malaria (P.falciparum)	-2.4	1.5	1.5	0.4	4.6	2.2		B50
	Malaria (P.vivax)	-2.4	7.7	7.9	11.5	8.0	4.5		B51
	Malaria Mixed	-34.9	0.3	0.4	0.1	-	-		B52
	Syphilis	-24.6	24.6	32.7	27.0	35.1	36.9	()	A50-A53
	Gonococcal infection	6.3	31.1	29.3	32.9	70.8	62.0	()	A54
	Streptococcal sore throat	69.8	247.9	146.0	69.1	112.4	28.3		A40
Leprosy	100	0.4	-	0.1	1.7	0.9		A30	
AIDS	-70.7	0.4	1.4	0.7	1.6	2.5		B20-B24	
Unspecified Sexual transmitted diseases	-66.4	20.1	59.8	64.8		A63-A64	
	transmitted diseases not elsewhere classified								

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

*

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

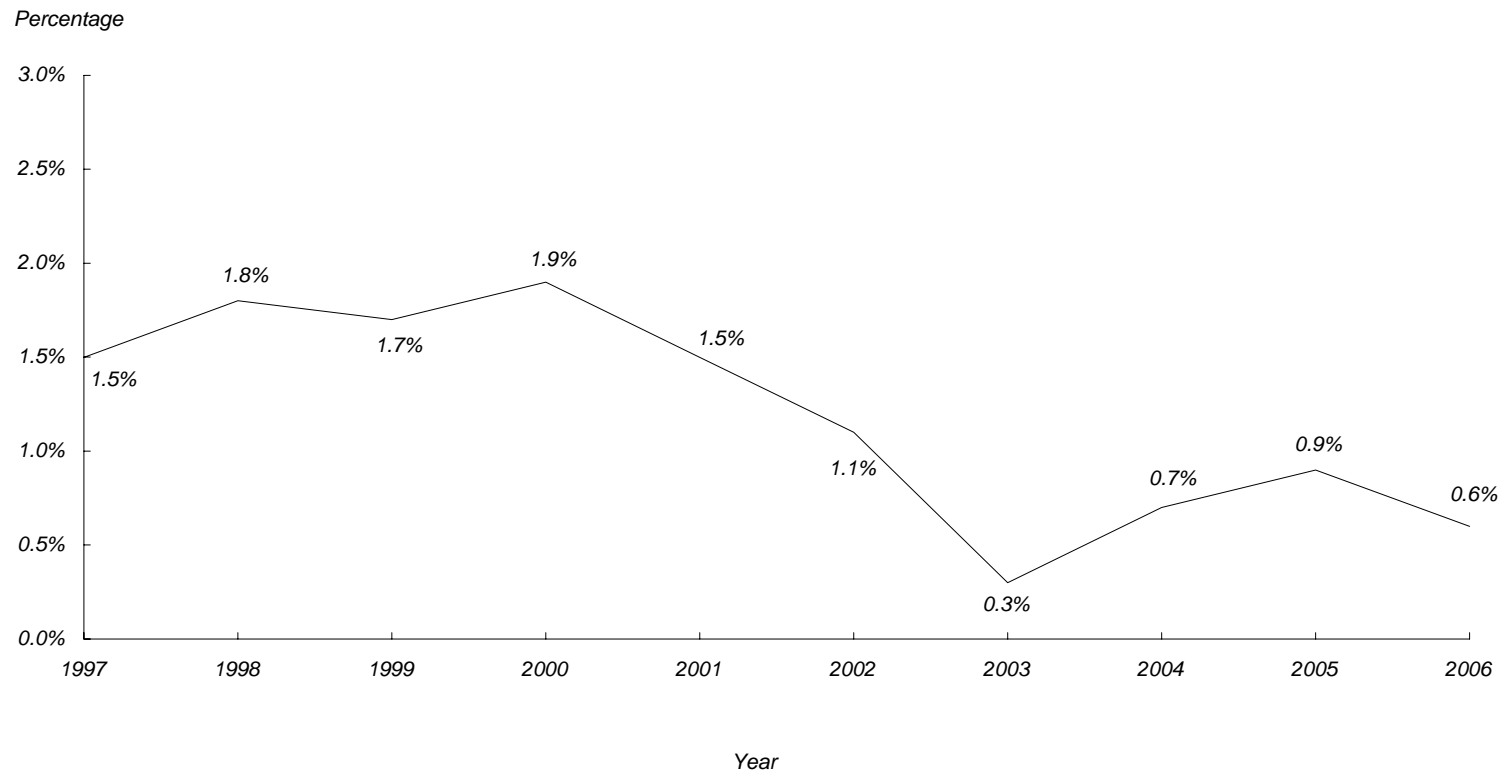


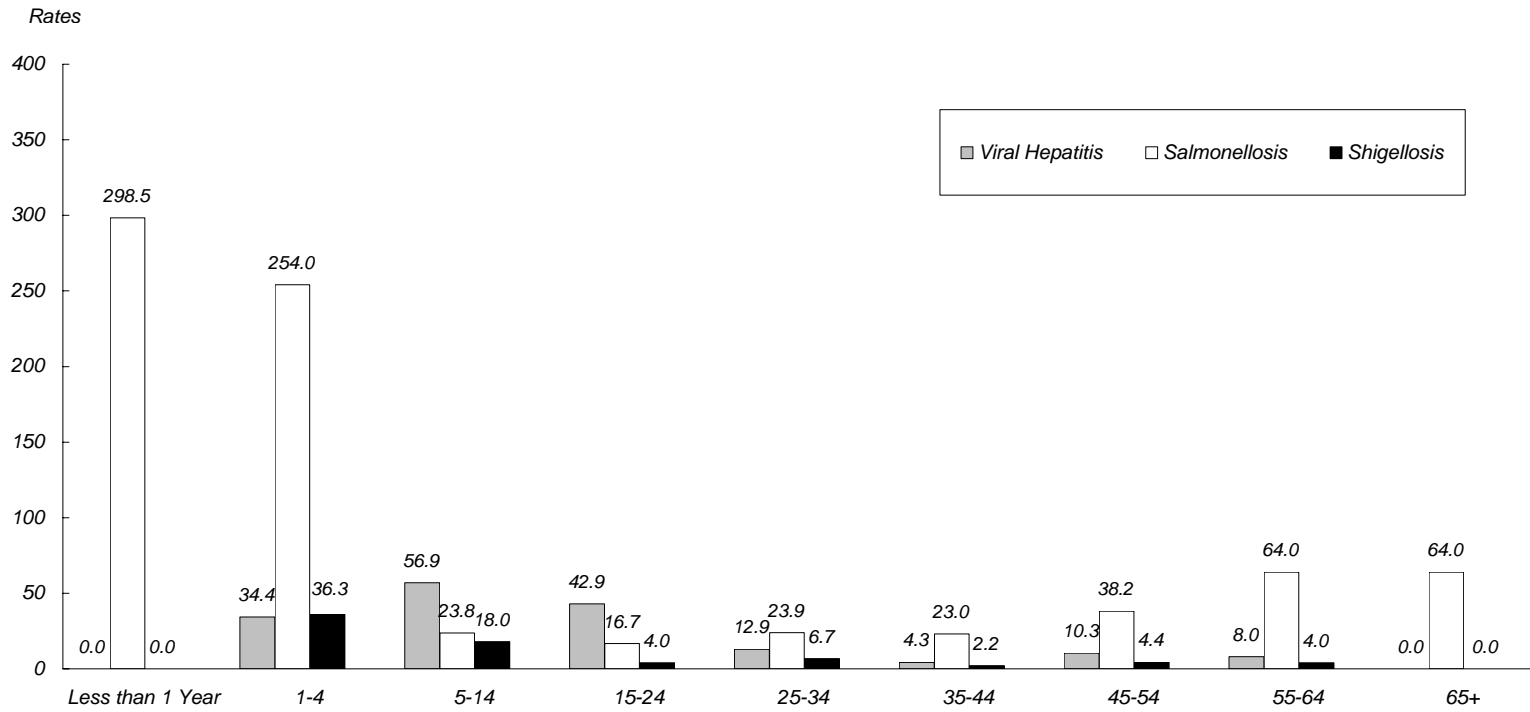
Table 7.7
2006 **100,000**
Selected Communicable Diseases Incidences & Rates Per 100,000 Population by Age Groups 2006

<i>Measles</i>		<i>Typhoid fever</i>		<i>Paratyphoid fever</i>		<i>Shigellosis</i>		<i>Salmonellosis</i>		<i>Viral Hepatitis</i>		<i>* Population Estimates * 2006</i>	<i>() Age Groups (Years)</i>
<i>Rate</i>	<i>Cases</i>	<i>Rate</i>	<i>Cases</i>	<i>Rate</i>	<i>Cases</i>	<i>Rate</i>	<i>Cases</i>	<i>Rate</i>	<i>Cases</i>	<i>Rate</i>	<i>Cases</i>		
-	-	-	-	-	-	-	-	298.5	34	-	-	11,392	Less than 1 Year
-	-	3.8	2	1.9	1	36.3	19	254.0	133	34.4	18	52,362	1-4
-	-	1.4	2	-	-	18.0	25	23.8	33	56.9	79	138,811	5-14
1.6	2	-	-	-	-	4.0	5	16.7	21	42.9	54	125,929	15-24
0.6	1	2.5	4	0.6	1	6.7	11	23.9	39	12.9	21	163,263	25-34
-	-	2.2	3	-	-	2.2	3	23.0	32	4.3	6	139,022	35-44
-	-	1.5	1	1.5	1	4.4	3	38.2	26	10.3	7	68,047	45-54
-	-	-	-	-	-	4.0	1	64.0	16	8.0	2	24,981	55-64
-	-	-	-	-	-	16.0	3	64.0	12	5.3	1	18,756	65+
0.4	3	1.6	12	0.4	3	9.4	70	46.6	346	25.3	188	742,562	Total الجملة

* Population Estimates - 1st July 2006.

. 2006 1 - *

Figure 7.2
2006
100,000
Selected Communicable Diseases Incidences Rates Per 100,000 Population by Age Groups 2006



Reference: Table 7.7

7.7 :

Figure 7.3
2006
100,000
Selected Communicable Diseases Incidences Rates Per 100,000 Population by Geographical Region 2006



Reference: Table 7.8

7.8 :

Table 7.9
2006 - 2002
Water Supply Bacteriological and Chemical Test Results by Source 2002 - 2006

<i>Source</i>	<i>2006</i>		<i>2005</i>		<i>2004</i>		<i>2003</i>		<i>2002</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	7.2	832	12.2	1,548	1.8	1,884	3.8	1,900	2.7	1,881
Demineralized water	-	-	-	-	-	-	-	-	-	-
Schools, Hospitals, Hotels	12.7	1,991	13.1	2,910	7.1	3,109	13.1	3,385	10.5	2,503
Total	11.087	2,823	12.8	4,458	5.1	4,993	9.9	5,285	7.2	4,384

Table 7.10
2006 - 2002
Examined and Positive Breeding Spots of Mosquito by Geographical Region 2002 - 2006

<i>Region</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>	
Potential spots examined						
Manama	69,195	29,776	23,043	15,608	15,397	
Muharraq	13,036	7,682	8,502	9,196	10,799	
Jidhafs & Northern	68,163	24,020	23,431	25,935	26,370	
Isa Town & Central	4,246	15,002	18,309	24,777	26,939	
Karzakan (Western)	NA	13,782	16,933	20,022	18,649	()
Riffa & Sitra	20,466	20,945	20,639	20,521	20,073	
Total	175,106	111,207	110,857	116,059	118,227	
Positive Culex spots						
Manama	1,844	532	505	367	224	
Muharraq	155	69	33	36	62	
Jidhafs & Northern	2,725	1,579	1,318	1,350	1,451	
Isa Town & Central	839	292	235	200	205	
Karzakan (Western)	NA	194	225	259	300	()
Riffa & Sitra	331	378	332	382	399	
Total	5,894	3,044	2,648	2,594	2,641	
Positive Anopheles spots						
Manama	36	30	10	-	5	
Muharraq	22	13	-	-	-	
Jidhafs & Northern	305	93	33	21	42	
Isa Town & Central	91	33	15	6	11	
Karzakan (Western)	NA	34	29	20	21	()
Riffa & Sitra	12	40	4	3	10	
Total	466	243	91	50	89	

Table 7.11
2006 - 2004
Examined and Positive Breeding Spots of Mosquito by Governorate 2004 - 2006

<i>Governorate</i>	<i>2006</i>	<i>2005</i>	<i>2004</i>	
Potential spots examined				
Muharraq	13,036	7,682	8,502	
Capital	69,195	29,776	23,043	
Central	4,246	25,536	28,946	
Northern	68,163	37,802	40,364	
Southern	20,466	10,411	10,002	
Total	175,106	111,207	110,857	
Positive Culex spots				
Muharraq	155	69	33	
Capital	1,844	532	505	
Central	839	485	417	
Northern	2,725	1,773	1,543	
Southern	331	185	150	
Total	5,894	3,044	2,648	
Positive Anopheles spots				
Muharraq	22	13	-	
Capital	36	30	10	
Central	91	60	18	
Northern	305	127	62	
Southern	12	13	1	
Total	466	243	91	

Table 7.12
2006
Malaria Cases by Country of Origin 2006

<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>
Bahrain	2	2	-	-	-
India	24	-	22	-	2
Pakistan	34	6	28	-	-
Sudan	1	1	-	-	-
Bangladesh	2	-	2	-	-
Ethiopia	1	-	1	-	-
Nigeria	1	-	-	-	1
England	1	-	1	-	-
Yemen	1	1	-	-	-
Unknown	3	1	2	-	-
Total	70	11	56	-	3

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 7.13
2006 - 2005
Selected Serological Test Results 2005 - 2006

<i>Test / Source</i>	<i>2006</i>			<i>2005</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	26	14,209	0.16	22	13,602	
Suspected cases	3.04	821	26,988	3.09	740	23,945	
Anti-HBs							
Postvaccination testing	62.37	799	1,281	66.13	652	986	
Hepatitis B, E antigen (HBeAg) *							*
HBeAg +ve cases	76.92	80	104	71.91	64	89	
Anti-HBe							
HBeAg +ve cases	72.57	336	463	80.18	360	449	
Hepatitis A (Igm)							
Suspected cases	6.59	121	1,835	41.58	652	1,568	
Rubella antibodies (IgG)							()
Suspected cases pregnant women at 1st antenatal visit, other women	96.34	13,998	14,530	96.21	18,071	18,783	
Rubella antibodies (IgM)							()
Suspected cases	0.91	4	439	1.79	8	446	
HIV antibodies							
Blood donors	0.02	3	14,209	0.01	1	13,602	
Pre-employment examination	0.15	55	35,894	0.13	46	34,131	

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

Table 7.14

2006 - 2002
Number and Rates of Road and Traffic Related Accidents by Seriousness of Injuries and Sex 2002 - 2006

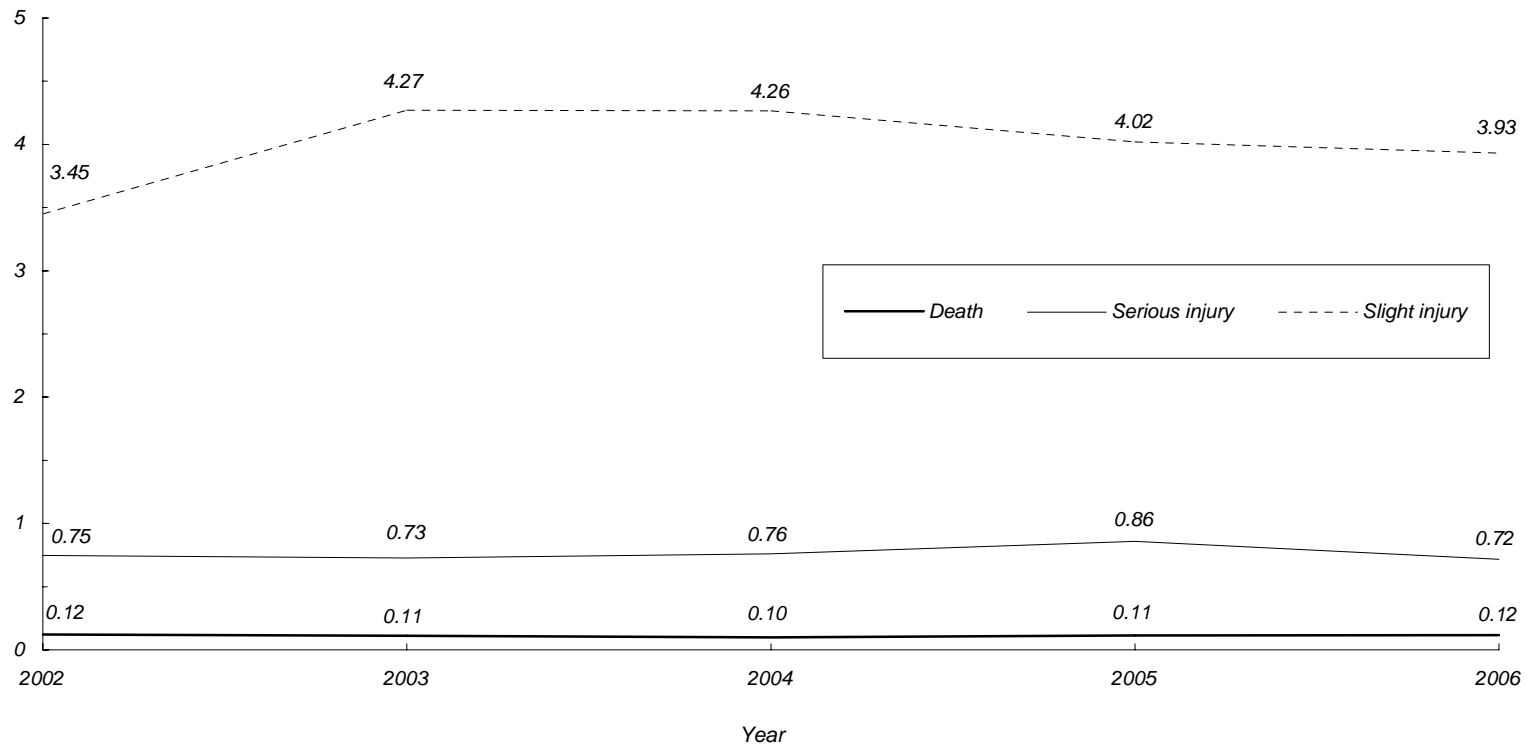
<i>Seriousness of Injury</i>	<i>Rate</i>	<i>Total</i>			<i>Pedestrians</i>		<i>Passengers</i>		<i>Drivers</i>		
		<i>Total</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	
2002											2002
Death	0.12	81	22	59	6	22	10	17	6	20	
Serious injury	0.75	503	103	400	28	126	50	89	25	185	
Slight injury	3.45	2,318	752	1,566	96	258	417	506	239	802	
2003											2003
Death	0.11	77	8	69	4	21	4	10	-	38	
Serious injury	0.73	501	102	399	43	110	39	73	20	216	
Slight injury	4.27	2,945	953	1,992	78	273	535	601	340	1,118	
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	

Source: Ministry of Interior - General Directorate of Traffic .

Rates are per 1000 population .

1000

Figure 7.4
2006 - 2002 **1000**
Road & Traffic Related Accidents Rate Per 1000 Population by Seriousness of Injuries 2002 - 2006



Reference: Table 7.14

7.14 :

Table 7.15

2006

Number of Road and Traffic Related Accidents by Seriousness of Injuries and Age Groups 2006

<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>09-00</i>
Drivers									
Death	36	-	1	4	3	7	10	11	-
Serious injury	236	5	3	14	37	49	98	25	5
Slight injury	1,403	9	24	74	229	345	592	123	7
Total	1,675	14	28	92	269	401	700	159	12
Passengers									
Death	25	-	2	2	-	6	7	6	2
Serious injury	123	1	4	6	14	26	40	26	6
Slight injury	1,102	5	14	46	115	192	342	250	138
Total	1,250	6	20	54	129	224	389	282	146
Pedestrians									
Death	26	4	-	5	5	3	3	2	4
Serious injury	174	6	7	13	28	31	30	16	43
Slight injury	414	13	8	29	37	67	78	64	118
Total	614	23	15	47	70	101	111	82	165
Death	87	4	3	11	8	16	20	19	6
Serious injury	533	12	14	33	79	106	168	67	54
Slight injury	2,919	27	46	149	381	604	1,012	437	263
Grand Total	3,539	43	63	193	468	726	1,200	523	323

Source: Ministry of Interior - General Directorate of Traffic .

Table 7.16
2006
Injury Accidents by Main Causes and Seriousness of Injury 2006

<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	1,848	1,376	403	69
Accident due to Pedestrian Action	99	71	27	1
Accident due to Passenger Action	9	6	2	1
Accident due to Obstruction	14	3	10	1
Accident due to Defective Vehicles	11	7	4	-
Accident due to Road Condition	5	3	2	-
Accident due to Weather Condition	9	7	2	-
Accident due to Other Factors	76	59	16	1
Total	2,071	1,532	466	73

Source: Ministry of Interior - General Directorate of Traffic .

Table 7.17
2006
Injury Accidents by Region and Seriousness of Injury 2006

<i>Region</i>	<i>Seriousness of Injury</i>				<i>المنطقة</i>
	<i>Total</i>	<i>Slight injury</i>	<i>Serious injury</i>	<i>Death</i>	
Hidd	36	23	10	3	
Muharraq	158	111	40	7	
Manama	563	425	119	19	
Jidhafs	194	149	40	5	
Northern	160	116	41	3	
Sitra	173	126	43	4	
Central	111	82	27	2	
Isa Town	168	125	37	6	
Riffa	297	217	66	14	
Western	82	62	17	3	
Hawar Island	-	-	-	-	
Hamad Town	129	96	26	7	
Total	2,071	1,532	466	73	

Source: Ministry of Interior - General Directorate of Traffic .

Table 7.18
2006
Number of Road and Traffic Related Accidents by Seriousness of Injuries and Governorate 2006

<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							السواق
Death	36	6	6	9	5	10	
Serious injury	236	22	66	55	62	31	
Slight injury	1,403	120	371	353	399	160	
Passengers							الركاب
Death	25	6	4	5	4	6	
Serious injury	123	13	28	26	37	19	
Slight injury	1,102	74	328	273	277	150	
Pedestrians							المشاة
Death	26	2	9	4	7	4	
Serious injury	174	22	54	38	52	8	
Slight injury	414	41	145	99	95	34	
Death	87	14	19	18	16	20	
Serious injury	533	57	148	119	151	58	
Slight injury	2,919	235	844	725	771	344	

Source: Ministry of Interior - General Directorate of Traffic .

Table 7.19

2006

1000

Number and Rates of Occupational Injuries and Deaths Per 1000 Insured Persons by Nationality and Division of Economic Activity 2006

Division of Economic Activity	Number of Insured Persons			Total Deaths		Total Injuries		Non-Bahraini		Bahraini	
	Total	Non-Bahraini	Bahraini	Rate	No.	Rate	No.	Death	Injury	Death	Injury
Agriculture & Fishing	4,104	3,810	294	1.0	4	8.0	33	4	8	-	25
Mining & Quarrying	6	5	1	-	-	-	-	-	-	-	-
Manufacturing	58,673	44,353	14,320	0.1	5	11.9	701	2	274	3	427
Electricity, Gas & Water Supply	1,328	800	528	0.8	1	11.3	15	1	7	-	8
Construction	92,106	82,772	9,334	0.1	9	8.4	770	9	610	-	160
Wholesale, Retail Trades, Hotels & Restaurants	72,341	61,311	11,030	0.1	4	3.4	243	2	92	2	151
Transport, Storage & Communications	12,939	7,194	5,745	0.1	1	18.7	242	1	129	-	113
Finance, Insurance, Real Estate and Business Activities	14,482	6,477	8,005	-	-	3.4	49	-	16	-	33
Community , Social and Personal Activities	43,161	35,191	7,970	-	1	4.5	194	-	66	1	128
Others Activities not Elsewhere Classified	228	19	209	-	-	-	-	-	-	-	-
Total	299,368	241,932	57,436	0.1	25	7.5	2,247	19	1,202	6	1,045

Note: the data represent persons covered by social insurance only.

Source: General Organisation for Social Insurance.

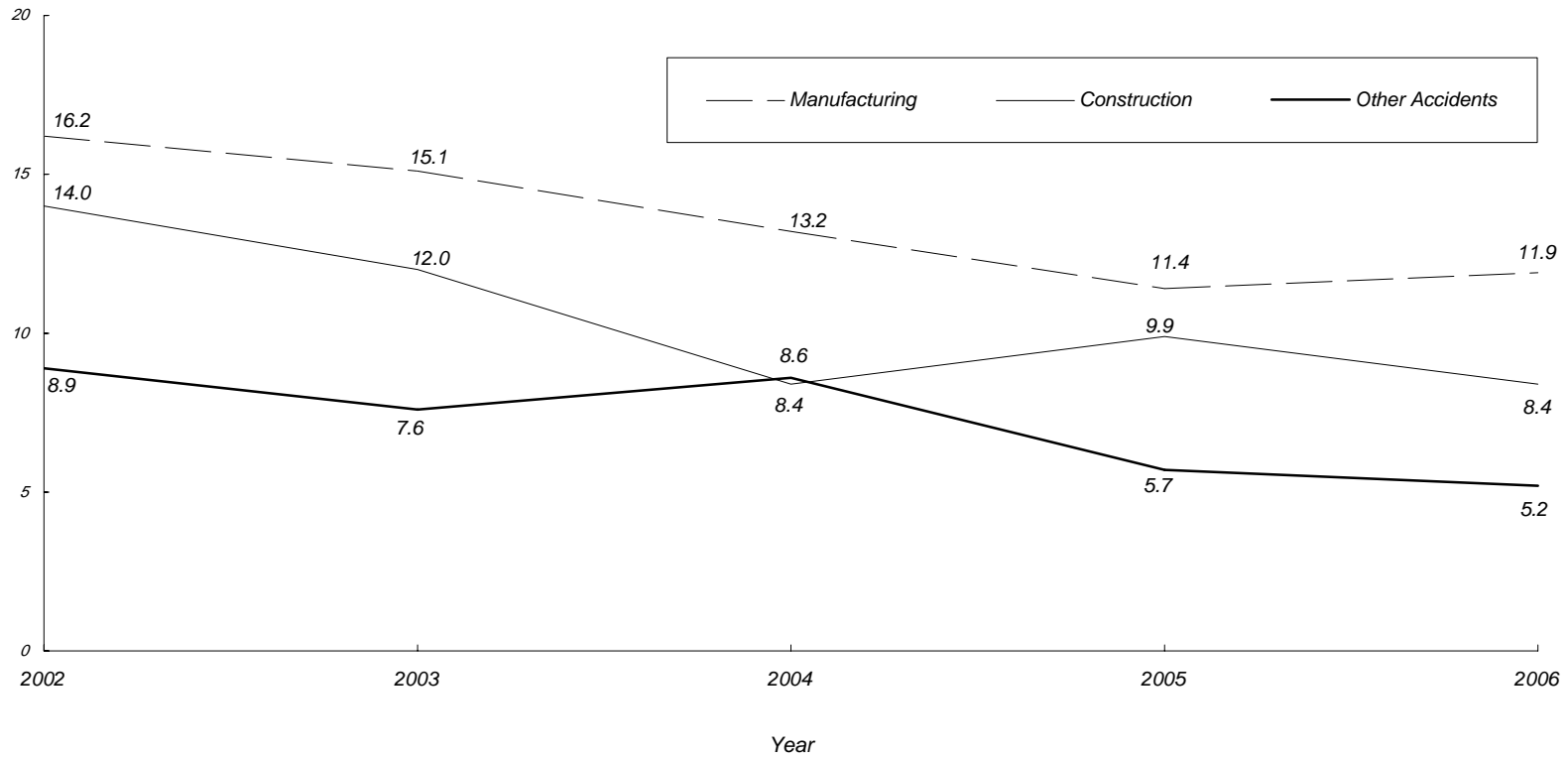
Table 7.20
2006 **1000**
Occupational Injuries and Deaths Rates Per 1000 Insured Persons by Nationality and Division of Economic Activity 2006

<i>Division of Economic Activity</i>	<i>2006</i>		<i>2005</i>		<i>2004</i>		<i>2003</i>		<i>2002</i>	
	<i>Non-Bah</i>	<i>Bah</i>	<i>Non-Bah</i>	<i>Bah</i>	<i>Non-Bah</i>	<i>Bah</i>	<i>Non-Bah</i>	<i>Bah</i>	<i>Non-Bah</i>	<i>Bah</i>
Agriculture & Fishing	2.1	85.0	1.7	75.5	1.7	90.4	1.7	99.4	6.2	20.6
Mining & Quarrying	-	-	-	-	-	-	-	-	-	-
Manufacturing	6.2	29.8	6.2	24.7	7.2	26.5	7.5	29.8	16.7	15.9
Electricity, Gas & Water Supply	8.8	15.2	15.0	16.8	13.7	12.6	12.3	33.6	22.7	26.5
Construction	7.4	17.1	8.8	16.2	7.5	13.4	10.2	20.2	46.5	6.4
Wholesale, Retail Trades, Hotels & Restaurants	1.5	13.7	2.1	11.7	2.2	10.6	3.0	11.6	11.5	5.3
Transport, Storage & Communications	17.9	19.7	22.3	13.2	17.1	20.1	15.4	16.5	11.0	23.4
Finance, Insurance, Real Estate and Business Activities	2.5	4.1	1.7	5.3	4.7	5.0	4.6	4.5	2.2	11.1
Community , Social and Personal Activities	1.9	16.1	1.7	16.9	2.0	14.4	3.2	18.1	7.1	9.4
Others Activities not Elsewhere Classified	-	-	-	-	-	-	-	-	-	-
Total	49.7	18.2	56.8	16.1	5.8	16.5	7.1	19.4	17.3	9.9

Note: the data represent persons covered by social insurance only.

Source: General Organisation for Social Insurance.

Figure 7.5
2006 - 2002 **1000**
Top Occupational Accidents Rates Per 1000 Insured Persons 2002 - 2006



Note: the data represent persons covered by social insurance only.

Reference: Table 7.19

7.19 :