

CHAPTER 6 - PUBLIC HEALTH

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		2004	2003	2002	2001	2000		ICD-10 Code
I M M U N I Z A B L E	Typhoid fever	11	15	34	41	21		A01.0
	Pulmonary TB	126	132	128	110	160		A15-A16
	Non-pulmonary TB	116	109	66	49	54		A17-A19
	Diphtheria	-	-	-	-	-	()	A36
	Whooping cough	-	-	-	-	-	()	A37
	Neonatal tetanus	-	-	-	-	-	()	A33
	Non-neonatal tetanus	-	1	-	-	-		A34-A35
	Meningococcal meningitis	-	-	-	3	1		A39.0
	Haemophilus Influenzae (b) meningitis	-	-	-	-	3		G00.0
		-	-	-	-	-	()	
	Poliomyelitis	-	-	-	-	-		A80
	Measles	11	12	8	5	6		B05
	Mumps	35	35	31	31	167	()	B26
	Rubella	2	7	2	2	2		B06
	Chickenpox	2,924	2,579	2,469	1,684	1,998	()	B01
	Influenza	4,010	4,400	2,629	2,274	2,477	()	J10-J11
	Yellow Fever (Jaundice)	-	-	-	-	-	()	P58-P59
Viral hepatitis: total	326	293	244	241	161	:	B15-B19	
	A	246	236	206	179	143		
	B	35	21	18	21	18		
	C	11	14	-	-	-		
	E	34	22	20	41	NA		
N O N - I D E N T I F I C A B L E	Other meningitis	39	44	38	41	61		G02-G03
	Paratyphoid fever	8	10	3	2	3		A01.1
	Other salmonella infection	317	339	903	229	257		A02
	Acute Flaccid Paralysis	2	2	3	7	2		G82.0
	Shigellosis	178	162	187	118	190		A03
	Food poisoning	273	156	123	121	58		A05
	Amoebiasis	15	13	10	4	13		A06
	Malaria (P.falciparum)	3	32	15	8	5		B50
	Malaria (P.vivax)	81	55	30	46	53		B51
	Malaria Mixed	1	-	-	-	-		B52
	Syphilis	* 191	242	248	149	220	()	A50-A54
	Gonococcal infection	* 233	488	417	238	235	()	A55
	Streptococcal sore throat	489	775	190	183	146		A41
Leprosy	1	12	6	7	2		A31	
AIDS	5	11	17	7	8		B20-B25	

* 458 cases were reported for other sexual transmitted diseases, refer to conventions.

NA : Not Applicable.

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	<i>Disease</i>	<i>%Change 03-04</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>	<i>2001</i>	<i>2000</i>		<i>ICD-10 Code</i>	
I M M U N I Z A B L E	Typhoid fever	-27.3	1.6	2.2	5.1	6.3	3.0		A01.0	
	Pulmonary TB	-6.8	17.8	19.1	19.0	16.8	23.2		A15-A16	
	Non-pulmonary TB	3.8	16.4	15.8	9.8	7.5	7.8		A17-A19	
	Diphtheria	-	-	-	-	-	-	()	A36	
	Whooping cough	-	-	-	-	-	-	()	A37	
	Neonatal tetanus	-	-	-	-	-	-	()	A33	
	Non-neonatal tetanus	-100.0	-	0.1	-	-	-		A34-A35	
	Meningococcal meningitis	-	-	-	-	0.5	0.1		A39.0	
	Haemophilus Influenzae (b) meningitis	-	-	-	-	-	0.4		G00.0	
								()		
		Poliomyelitis	-	-	-	-	-	-		A80
	D I S E A S E S	Measles	-5.9	1.6	1.7	1.2	0.8	0.9		B05
		Mumps	-3.9	4.9	5.1	4.6	4.7	24.2	()	B26
		Rubella	-70.0	0.3	1.0	0.3	0.3	0.3		B06
Chickenpox		10.5	413.5	374.1	367.4	257.3	289.2	()	B01	
Influenza		-11.2	567.0	638.2	391.2	347.4	358.6	()	J10-J11	
Yellow Fever (Jaundice)		-	-	-	-	-	-	()	P58-P59	
Viral hepatitis: total		8.5	46.1	42.5	36.3	36.8	23.3	:	B15-B19	
	A	1.8	34.8	34.2	30.6	27.3	20.7			
	B	63.3	4.9	3.0	2.7	3.2	2.6			
	C	-20.0	1.6	2.0	-	-	-			
N O N - I D I S E A S E S		E	50.0	4.8	3.2	3.0	6.3	NA		
		Other meningitis	-14.1	5.5	6.4	5.7	6.3	8.8		G02-G03
		Paratyphoid fever	-26.7	1.1	1.5	0.4	0.3	0.4		A01.1
		Other salmonella infection	-8.9	44.8	49.2	134.4	35.0	37.2		A02
		Acute Flaccid Paralysis	100.0	0.3	0.3	0.4	1.1	0.3		G82.0
		Shigellosis	7.2	25.2	23.5	27.8	18.0	27.5		A03
		Food poisoning	70.8	38.6	22.6	18.3	18.5	8.4		A05
		Amoebiasis	10.5	2.1	1.9	1.5	0.6	1.9		A06
		Malaria (P.falciparum)	-91.3	0.4	4.6	2.2	1.2	0.7		B50
		Malaria (P.vivax)	43.8	11.5	8.0	4.5	7.0	7.7		B51
		Malaria Mixed	100.0	0.1	-	-	-	-		B52
		Syphilis	* -23.1	27.0	35.1	36.9	22.8	31.8	()	A50-A53
		Gonococcal infection	* -53.5	32.9	70.8	62.0	36.4	34.0	()	A54
		Streptococcal sore throat	-38.5	69.1	112.4	28.3	28.0	21.1		A40
	Leprosy	-94.1	0.1	1.7	0.9	1.1	0.3		A30	
	AIDS	-56.3	0.7	1.6	2.5	1.1	1.2		B20-B24	

* 458 cases were reported for other sexual transmitted diseases, refer to conventions.

Rates are per 100,000 population .

458
100,000

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<i>Vaccine</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>	<i>2001</i>	<i>2000</i>	
Infant < 1 Year						1 >
Third dose of DPT (Diphtheria, Tetanus, Pertussis)	97.7%	97.3%	98%	99%	97%	()
Third dose of OPV (Oral Polio)	97.7%	97.3%	98%	99%	97%	()
Third dose of Hepatitis B (HB)	98%	98%	98%	99%	97%	()
Third dose of Haemophilus Influenza B (Hib)	97.8%	97.2%	98%	99%	97%	()
Children of age 1 Year						1 Ø
MMR ₁ (Mumps, Measles, Rubella - dose 1)*	98.8%	100%	99.9%	97%	98%	* ()
Children of age 6 Years						6 Ø
MMR ₂ (Mumps, Measles, Rubella - dose 2)	100%	99.5%	97%	99%	92%	()

* For more details on 1st and 2nd doses of MMR, please refer to conventions used in the report .

() *

Type of Immunization	الجملة Total	1		2		Health Centres	
		Hospitals & Clinics ¹	Military Hospital	Sh.Sabah H.C. ²	Schools		
DPT (Diphtheria, Pertussis, Tetanus)	68,608	3,882	3,178	-	-	61,548	
OPV (Oral Polio Vaccine)	69,382	4,106	3,183	-	-	62,093	
DT -Diphtheria, Tetanus (children)	798	219	34	-	-	545	()
TD - Tetanus, Diphtheria (Adult)	60,535	10,848	1,343	450	10,362	37,532	()
TT (Tetanus Toxoid) Pregnant women	8,920	95	668	-	-	8,157	()
MMR (Mumps, Measles, Rubella)	40,177	1,829	808	154	10,962	26,424	
BCG (Bacillus Calmette Guerin) ³	2,301	545	485	1,271	-	-	3
Cholera	-	-	-	-	-	-	
Typhoid fever	9,319	205	-	698	-	8,416	
Yellow fever	813	-	-	813	-	-	
Meningococcal	41,444	1,127	21	1,314	-	38,982	
Hepatitis B (HB)	91,007	5,777	3,353	1,040	30,103	50,734	-
Haemophilus Influenzae B (Hib)	57,315	3,493	3,177	-	-	50,645	()
Rabies	18	-	-	18	-	-	
Pneumococcal	200	196	-	-	-	4	
Hepatitis A - child	3,781	792	1	41	-	2,947	()
Chickenpox	660	658	1	-	-	1	()
Influenza	1,721	1,243	6	75	-	397	()

Source: Public Health Directorate .

¹ Hospitals & Clinics: include government and private facilities .

² 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".

³ 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 .

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Immunization Coverage																Health Center
() 3rd dose of Haemophilus Influenzae b (Hib)				3rd dose of Viral Hepatitis B (HB)				∅ 3rd dose of Diphtheria, Tetanus & Pertussis (DPT & DT)				∅ ∅ 3rd dose of Oral polio (OPV)				
%	الجملة Total	% غير بحريني Non- Bah	% بحريني Bah	%	الجملة Total	% غير بحريني Non- Bah	% بحريني Bah	%	الجملة Total	% غير بحريني Non- Bah	% بحريني Bah	%	الجملة Total	% غير بحريني Non- Bah	% بحريني Bah	
96.4	2,390	97.3	96.2	96.4	2,389	97.1	96.2	96.4	2,390	97.3	96.2	96.4	2,390	97.3	96.2	Region I
97.3	673	100.9	95.6	97.3	673	100.9	95.6	97.3	673	100.9	95.6	97.3	673	100.9	95.6	Muharraq
97.3	680	103.4	94.7	97.3	680	103.4	94.7	97.3	680	103.4	94.7	97.3	680	103.4	94.7	Sh.Salman
94.4	640	81.7	95.9	94.4	640	81.7	95.9	94.4	640	81.7	95.9	94.4	640	81.7	95.9	NBB
96.8	397	56.5	99.2	96.6	396	52.2	99.2	96.8	397	56.5	99.2	96.8	397	56.5	99.2	Dair
87.3	2,081	78.7	97.9	87.3	2,083	78.9	97.9	87.4	2,084	79.0	97.9	87.4	2,084	79.0	97.9	Region II
94.9	710	81.6	111.9	94.9	710	81.6	111.9	94.9	710	81.6	111.9	94.9	710	81.6	111.9	Naim
92.2	427	90.2	95.8	92.7	429	90.8	95.8	92.2	427	90.2	95.8	92.2	427	90.2	95.8	Ibn Sinna
82.1	565	61.0	97.3	82.1	565	61.0	97.3	82.1	565	61.0	97.3	82.1	565	61.0	97.3	Sh.Sabah Al Salem
80.1	379	80.9	78.5	80.1	379	80.9	78.5	80.8	382	81.8	78.5	80.8	382	81.8	78.5	Al Hooraa
87.9	4,297	32.2	92.9	88.0	4,300	32.4	92.9	87.9	4,298	32.4	92.9	87.9	4,298	32.4	92.9	Region III
87.9	1,280	40.9	92.7	87.9	1,281	41.6	92.7	87.9	1,280	40.9	92.7	87.9	1,280	40.9	92.7	Isa Town
89.1	1,157	29.0	92.2	89.1	1,157	29.0	92.2	89.1	1,157	29.0	92.2	89.1	1,157	29.0	92.2	Jidhafs
81.8	923	22.5	90.9	81.9	925	22.5	91.1	81.8	924	23.2	90.9	81.8	924	23.2	90.9	Budaiya
90.0	397	32.1	93.9	90.0	397	32.1	93.9	90.0	397	32.1	93.9	90.0	397	32.1	93.9	Bilad Al Kadeem
96.1	540	55.0	97.6	96.1	540	55.0	97.6	96.1	540	55.0	97.6	96.1	540	55.0	97.6	A'Ali
80.7	4,099	48.3	88.6	80.8	4,103	48.4	88.6	80.7	4,099	48.3	88.6	80.7	4,099	48.3	88.6	Region IV
73.5	559	3.1	83.6	73.5	559	3.1	83.6	73.5	559	3.1	83.6	73.5	559	3.1	83.6	Hamad Town
93.6	885	45.5	95.3	93.8	887	48.5	95.4	93.7	886	45.5	95.4	93.7	886	45.5	95.4	Sitra
58.0	655	49.6	61.9	58.0	655	49.6	61.9	58.0	655	49.6	61.9	58.0	655	49.6	61.9	Hamad Kanoo & Jaw & Asker Clinic *
76.0	820	66.3	82.1	76.3	823	66.3	82.5	75.9	819	66.3	81.9	75.9	819	66.3	81.9	East Riffa
88.0	512	12.5	92.4	87.8	511	12.5	92.2	88.0	512	12.5	92.4	88.0	512	12.5	92.4	Kuwait & Zallaq Clinic *
115.0	668	3.7	126.4	115.0	668	3.7	126.4	115.0	668	3.7	126.4	115.0	668	3.7	126.4	Mohammed Jassim Kanoo
86.8	12,867	14.5	72.2	86.8	12,875	14.6	72.3	86.8	12,871	14.6	72.2	86.8	12,871	14.6	72.2	% HC Coverage to
																Registered Live Births
11.0	1,630	4.8	6.2	11.2	1,655	4.9	6.2	10.9	1,619	4.7	6.2	10.9	1,620	4.7	6.2	% Private Coverage to
																Registered Live Births
97.8	14,497	19.3	78.5	98.0	14,530	19.5	78.5	97.7	14,490	19.2	78.5	97.7	14,491	19.2	78.5	Total & Percentage

Note: For more clarification of the calculation of the data, please refer to Formulas/Definitions at the end of the report.

* MCH services are not available on these clinics, but the services are given at the corresponding H.C.

نسبة الأطفال المحميين عند الولادة ضد التيتانوس* Child protection rate at birth by TT ₂ (PAB)*		نسبة التغطية بجرعتين أو أكثر من لقاح التيتانوس للحوامل* % of pregnant women received 2 or more doses of tetanus toxoid (TT ₂ +)*		نسبة التغطية Immunization Coverage								المركز الصحي Health Center	
				الجرعة الثانية من لقاح الحصبة والحصبة الألمانية والنكاف ، للفئة العمرية 4-6 سنوات) 2 nd dose of Mumps, Measles, Rubella (MMR ₂ , 4-6 Years)				الجرعة الأولى من لقاح الحصبة والحصبة الألمانية والنكاف 1 st dose of Mumps, Measles, Rubella (MMR ₁)					
%	الجملة Total	%	الجملة Total	%	الجملة Total	% غير بحريني N-Bah	% بحريني Bah	%	الجملة Total	% غير بحريني N-Bah	% بحريني Bah		
95.8	2,234	40.8	1,022	103.4	2,344	89.3	107.1	93.9	2,376	92.0	94.5	Region I	المنطقة الأولى
99.0	609	64.1	449	71.1	494	84.0	65.1	91.0	718	96.4	88.0	Muharraq	المحرق
87.9	620	49.5	348	119.4	824	108.9	123.4	96.6	675	95.5	97.1	Sh.Salman	الشيخ سلمان
101.0	634	30.2	208	111.4	657	56.0	116.5	93.2	613	81.6	94.7	NBB	بنك البحرين الوطني
96.4	371	4.1	17	125.9	369	26.7	131.3	96.4	370	41.7	100.0	Dair*	الدير*
66.4	1,344	49.9	1,201	58.2	1,325	43.2	76.2	84.0	2,044	82.9	85.2	Region II	المنطقة الثانية
65.4	465	50.0	378	61.7	463	29.6	96.7	86.4	693	76.7	97.6	Naim	النعيم
71.6	305	67.5	316	40.2	180	24.6	66.5	85.6	410	88.8	80.1	Ibn Sinna	ابن سينا
62.0	322	35.7	249	54.6	348	46.5	60.8	75.6	529	68.8	80.0	Sh.Sabah al Salem	الشيخ صباح السالم
68.3	252	54.4	258	75.6	334	75.9	75.0	93.8	412	99.3	82.1	Al Hoorah	الخور
87.7	3,764	48.2	2,375	97.6	3,960	25.6	105.6	92.3	4,270	38.5	96.9	Region III	المنطقة الثالثة
95.7	1,208	41.0	602	88.1	1,124	40.6	94.1	85.9	1,266	57.4	88.9	Isa Town	مدينة عيسى
89.9	1,083	48.8	641	83.4	933	27.6	86.4	94.5	1,143	25.9	97.7	Jidhafs	جدحفص
80.3	740	45.5	517	116.7	1,084	11.4	138.3	84.2	891	21.0	94.1	Budaiya	البديع
95.0	358	52.4	232	-	343	17.9	96.6	106.4	418	31.3	109.5	Bilad Al Kadeem	بلاد القديم
70.9	375	68.0	383	134.1	476	36.8	139.6	112.0	552	86.7	112.8	A'Ali	عالي
76.9	3,074	38.3	1,966	116.1	4,719	60.9	127.4	81.1	3,946	51.4	88.3	Region V	المنطقة الرابعة
87.6	486	34.4	266	87.0	913	-	93.4	72.0	557	-	79.4	Hamad Town	مدينة حمد
93.5	824	50.9	487	92.1	668	28.6	94.0	101.9	900	75.0	102.5	Sitra	سفرة
80.8	546	27.9	319	137.5	927	58.0	196.9	58.8	626	54.1	61.4	Hamad Kanoo & Jaw & Asker Clinic*	حمد كانو و عيادة جو وعسكر*
49.9	382	31.3	341	81.5	865	85.5	79.9	69.3	767	63.6	72.8	East Riffa	الرفاع الشرقي
92.4	473	58.5	344	91.4	509	9.1	94.8	94.4	476	8.7	98.5	Kuwait & Zallaq Clinic*	الكويت و عيادة الزلاق*
59.5	363	35.9	209	-	837	-	-	116.1	620	-	124.7	Mohammed Jassim Kanoo	محمد جاسم كانو
82.3	10,416	43.9	6,564	97.5	12,348	11.7	85.7	87.4	12,636	15.7	71.7	% HC Coverage to Registered Live Births	نسبة تغطية المراكز الصحية للمواليد الأحياء المسجلين
14.0	1,815	5.0	811	3.0	325	1.0	1.0	11.0	1,651	5.0	6.0	% Private Coverage to Registered Live Births	نسبة تغطية العيادات الخاصة والمستشفيات للمواليد الأحياء المسجلين
96.7	12,231	49.3	7,375	100.0	12,673	12.9	87.2	98.8	14,287	20.9	78.0	Total & Percentage	الجملة والنسبة المئوية الكلية

For more clarification of the calculation of the data, please refer to Formulas/Definitions at the end of the report .

* Please refer to conventions used in the report.

*

¹ Ø Prevalence ¹	Induration size	² Tuberculin concentration ²	Year
1.9%	>10mm	5 TU	1994
0.6%	>10mm	5 TU	1995
0.6%	>10mm	5 TU	1996
1.5%	>10mm	5 TU	1997
1.8%	>10mm	5 TU	1998
1.7%	>10mm	5 TU	1999
1.9%	>10mm	5 TU	2000
1.5%	>10mm	5 TU	2001
1.1%	>10mm	5 TU	2002
0.3%	>10mm	5 TU	2003
0.7%	>10mm	5 TU	2004

¹ The information in this table is based on tuberculin screening of children at school entry.

² Tuberculin concentration: the number of tuberculin units (TU).

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Measles		Typhoid fever		Paratyphoid fever		Shigellosis		Salmonellosis		Viral Hepatitis		* Population	()
Ø Rate	Cases	Ø Rate	Cases	Ø Rate	Cases	Ø Rate	Cases	Ø Rate	Cases	Ø Rate	Cases	Estimates * 2004	Age Groups (Years)
25.5	3	8.5	1	-	-	25.5	3	365.8	43	-	-	11,755	Less than 1 Year
3.9	2	-	-	-	-	111.0	57	181.1	93	66.2	34	51,356	1-4
3.0	4	1.5	2	-	-	60.7	80	16.7	22	92.6	122	131,717	5-14
-	-	2.5	3	0.8	1	6.7	8	15.1	18	83.7	100	119,489	15-24
1.3	2	1.9	3	2.6	4	11.0	17	39.4	61	29.1	45	154,889	25-34
-	-	1.5	2	1.5	2	3.8	5	33.4	44	11.4	15	131,893	35-44
-	-	-	-	1.5	1	7.7	5	29.4	19	13.9	9	64,559	45-54
-	-	-	-	-	-	8.4	2	46.4	11	4.2	1	23,703	55-64
-	-	-	-	-	-	5.6	1	33.7	6	-	-	17,799	65+
1.6	11	1.6	11	1.1	8	25.2	178	44.8	317	46.1	326	707,160	Total الجملّة

Rates are per 100,000 population .

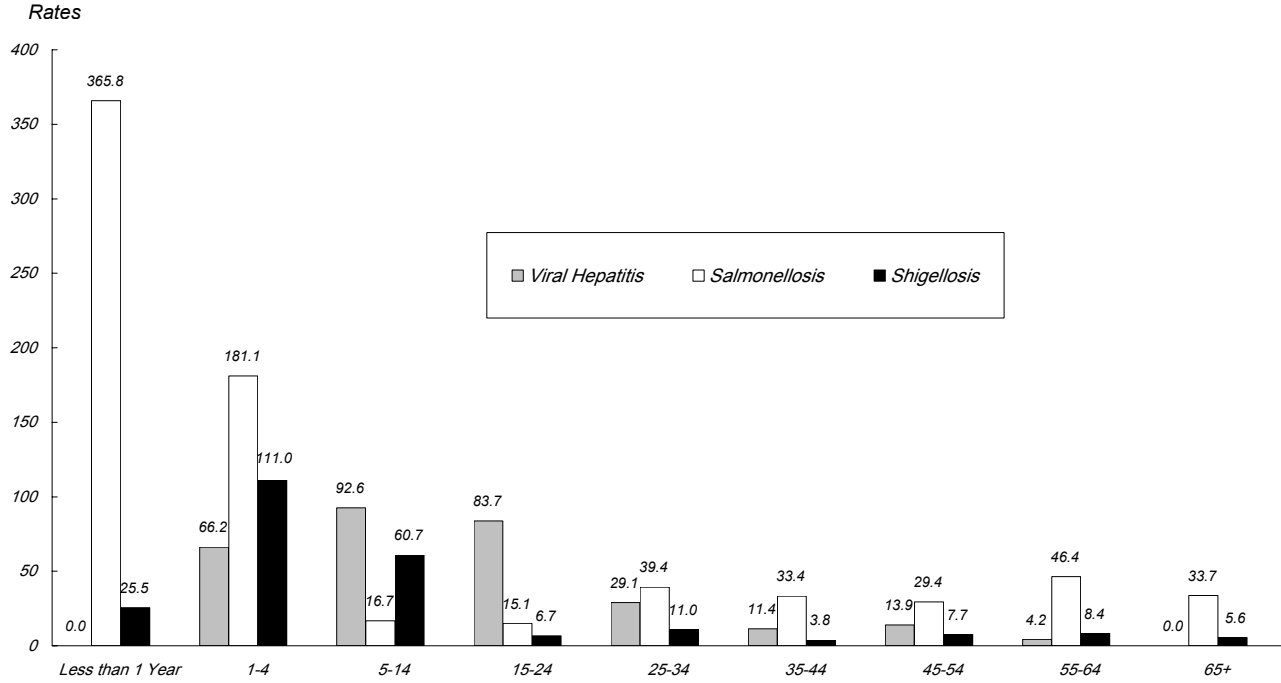
* Population Estimates - 1st July 2004 .

100,000

2004 1 -

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2004
Selected Communicable Diseases Rates by Age Groups 2004



Rates per 100,000 population

المعدلات لكل 100,000 من السكان

Reference: Table 6.8

مرجع: جدول 6.8

Typhoid fever		Shigellosis		Salmonellosis		Viral hepatitis		Non-Pulmonary TB		Pulmonary TB		Population Estimates ¹ 2004	Region
Ø Rate	Cases	Ø Rate	Cases	Ø Rate	Cases	Ø Rate	Cases	Ø Rate	Cases	Ø Rate	Cases		
7.9	1	15.7	2	39.3	5	47.1	6	15.7	2	15.7	2	12,734	Hidd
1.0	1	15.9	16	21.9	22	56.7	57	11.9	12	12.9	13	100,611	Muharraq
2.4	4	14.9	25	24.5	41	32.3	54	18.5	31	28.1	47	167,261	Manama
3.5	2	40.0	23	13.9	8	27.8	16	13.9	8	5.2	3	57,485	Jidhafs
2.1	1	33.5	16	29.3	14	35.5	17	14.6	7	8.4	4	47,828	North Region
-	-	31.2	15	29.1	14	14.6	7	16.6	8	16.6	8	48,056	Sitra
-	-	21.9	12	135.3	74	27.4	15	23.8	13	25.6	14	54,697	Central Region
-	-	29.7	12	64.4	26	74.3	30	19.8	8	22.3	9	40,369	Isa Town
2.3	2	38.9	34	95.0	83	84.7	74	18.3	16	24.0	21	87,409	Riffa
-	-	14.0	4	20.9	6	38.4	11	10.5	3	3.5	1	28,655	Western Region
-	-	-	-	-	-	-	-	-	-	-	-	4,231	Southern Region
-	-	32.9	19	41.5	24	67.4	39	13.8	8	6.9	4	57,825	Hamad Town
1.6	11	25.2	178	44.8	317	46.1	326	16.4	116	17.8	126	707,160	Total

Rates are per 100,000 population.

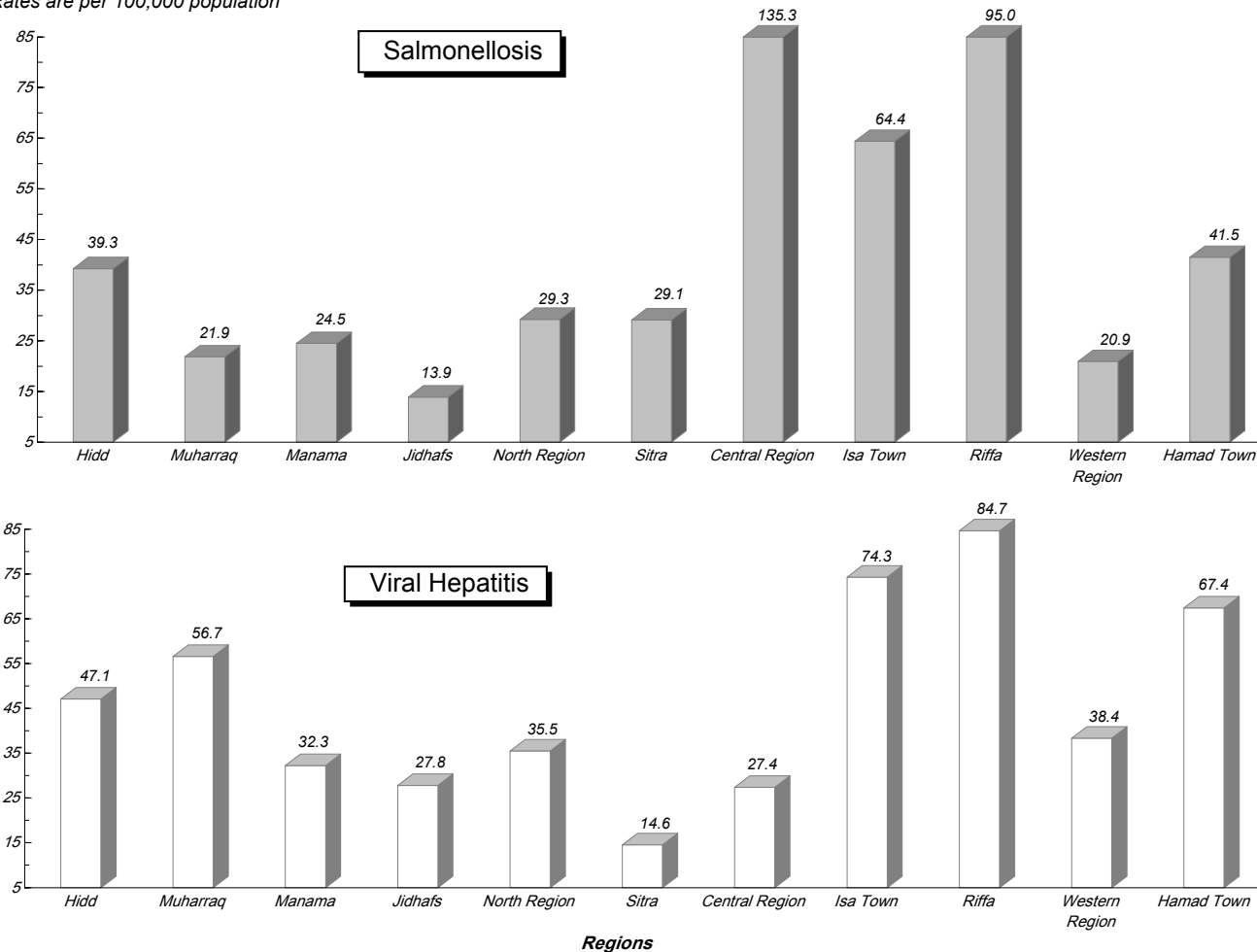
100,000

* Population Estimates - 1st July 2004 .

. 2004 1 - *

2004
Selected Communicable Diseases Rates by Geographical Region 2004

Rates are per 100,000 population



The majority of Viral Hepatitis cases were type 'A' which is caused by poor sanitation, food hygiene & water conditions (refer to Table 6.1 for details).
النسبة العظمى من عدد حالات الإصابة بمرض التهاب الكبد الوبائي هي من الفصيلة " أ " والتي سببها تدني مستوى النظافة والمياه والغذاء الصحي وللتفصيل انظر جدول 6.1 .

Reference: Table 6.9

مرجع: جدول 6.9

Source	2004		2003		2002		2001		2000	
	% Bad	No. of samples	% Bad	No. of samples	% Bad	عدد No. of samples	% Bad	No. of samples	% Bad	No. of samples
Public water	1.8	1,884	3.8	1,900	2.7	1,881	4.1	1,974	3.8	1,862
Demineralized water	-	-	-	-	-	-	-	-	-	-
Schools, Hospitals, Hotels	7.1	3,109	13.1	3,385	10.5	2,503	8.5	1,733	10.5	2,135
Total	5.1	4,993	9.9	5,285	7.2	4,384	6.2	3,707	7.4	3,997

% Bad: the percentage of samples in which the water quality was found to be unsatisfactory .

%

<i>Description</i>	<i>2004</i>	<i>2003</i>	<i>2002</i>	<i>2001</i>	<i>2000</i>
Potential spots examined					
Manama	23,043	15,608	15,397	19,312	16,922
Muharraq	8,502	9,196	10,799	12,374	17,817
Jidhafs & Budayia	23,431	25,935	26,370	30,092	33,321
Isa Town	18,309	24,777	26,939	25,674	29,059
Karzakan	16,933	20,022	18,649	18,200	18,170
Riffa & Sitra	20,639	20,521	20,073	15,955	20,218
Total	110,857	116,059	118,227	121,607	135,507
+ Culex spots					
Manama	505	367	224	324	291
Muharraq	33	36	62	65	56
Jidhafs & Budayia	1,318	1,350	1,451	2,018	2,243
Isa Town	235	200	205	361	260
Karzakan	225	259	300	362	372
Riffa & Sitra	332	382	399	349	320
Total	2,648	2,594	2,641	3,479	3,542
+ Anopheles spots					
Manama	10	-	5	9	7
Muharraq	-	-	-	1	2
Jidhafs & Budayia	33	21	42	73	59
Isa Town	15	6	11	11	2
Karzakan	29	20	21	29	35
Riffa & Sitra	4	3	10	7	5
Total	91	50	89	130	110

<i>Country of Origin</i>	<i>الجملة Total</i>	<i>P.F.</i>	<i>P.V.</i>	<i>P.M.</i>	<i>Mixed (P.F. & P.V.)</i>
India	37	1	35	-	1
Pakistan	45	1	44	-	-
Yemen	-	-	-	-	-
Gana	-	-	-	-	-
Sudan	1	1	-	-	-
Others	2	-	2	-	-
Total	85	3	81	-	1

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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Test / Source	2004			2003			/
	Positive samples		Total Samples	Positive samples		Total Samples	
	%	No.		%	No.		
Hepatitis B surface antigen (HBsAg)							
Blood Bank	0.17	22	12,573	0.19	24	12,402	
Suspected cases	3.22	658	20,409	2.91	532	18,292	
Anti-HBs							
Postvaccination testing	61.98	696	1,123	60.30	524	869	
Hepatitis B, E antigen (HBeAg)							0
HBsAg +ve cases	15.55	51	328	27.22	89	327	
Anti-HBe							
HBsAg +ve cases	81.64	378	463	77.20	501	649	
Hepatitis A (Igm)							
Suspected cases	11.94	172	1,441	14.40	190	1,319	
Rubella antibodies (IgG)							()
Suspected cases pregnant women at 1st antenatal visit, other women	94.73	12,308	12,993	94.84	11,061	11,663	
Rubella antibodies (IgM)							()
Suspected cases	1.67	8	479	0.22	1	463	
HIV antibodies							
Blood donors	0.01	1	12,573	-	-	12,402	
Pre-employment examination	0.16	54	34,579	0.10	32	33,177	

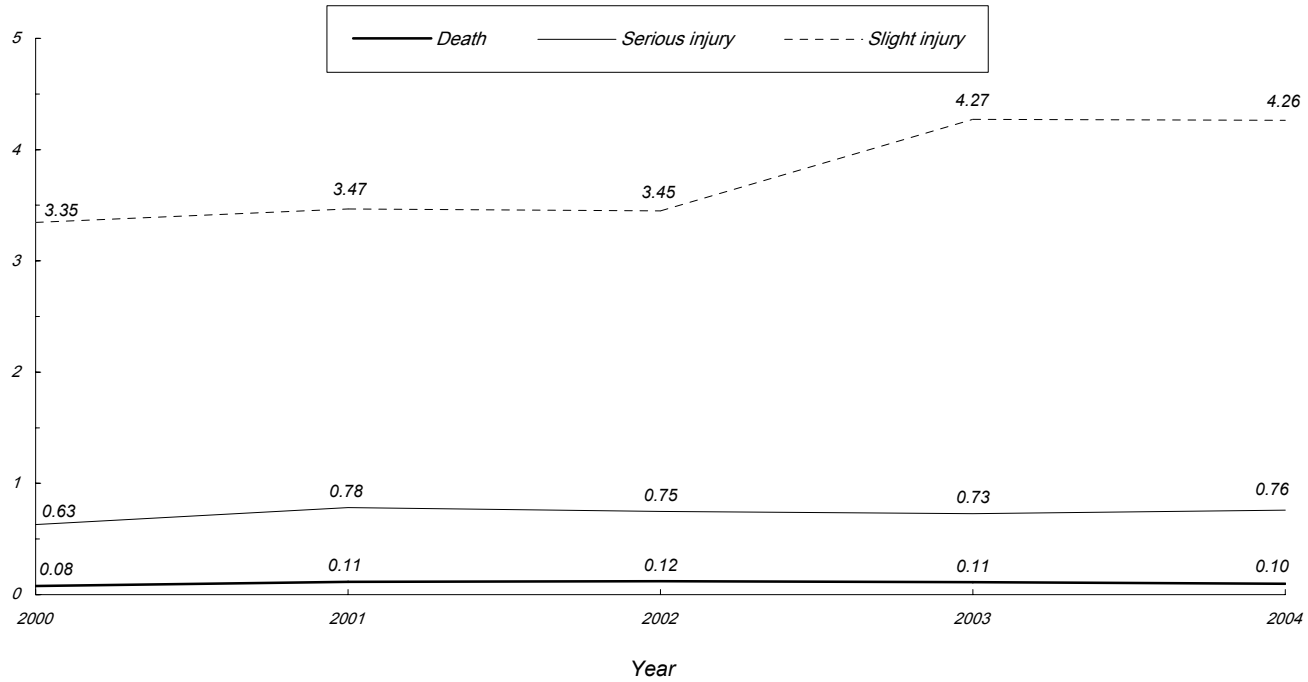
Seriousness of Injury	Ø Rate	Total			Pedestrians		Passengers		Drivers		
		Total	Female	Male	Female	Male	Female	Male	Female	Male	
2000											2000
Death	0.08	53	5	48	2	15	2	13	1	20	
Serious injury	0.63	436	79	357	22	116	28	71	29	170	
Slight injury	3.35	2,312	678	1,634	89	257	407	535	182	842	
2001											2001
Death	0.11	75	10	65	4	22	4	17	2	26	
Serious injury	0.78	513	97	416	33	129	47	102	17	185	
Slight injury	3.47	2,269	695	1,574	95	292	384	489	216	793	
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	

Source: Ministry of Interior - Traffic Directorate .

Rates are per 1000 population .

1000

2004 - 2000 Ø
 Road & Traffic Related Accidents Rates by Seriousness of Injuries 2000 - 2004



Rates are per 1000 population

Reference: Table 6.14

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6.14 :

Division of Economic Activity	Number of Insured Persons			Total Deaths		Total Accidents		Non-Bahraini		Bahraini	
	Total	Non-Bahraini	Bahraini	Ø	No.	Ø	No.	Death	Accident	Death	Accident
				Rate		Rate					
Agriculture & Fishing	2,111	1,768	343	-	-	16.1	34	-	3	-	31
Mining & Quarrying	5	5	-	-	-	-	-	-	-	-	-
Manufacturing	56,932	39,112	17,820	0.1	5	13.2	754	4	282	1	472
Electricity, Gas & Water	1,507	873	634	-	-	13.3	20	-	12	-	8
Building & Construction	78,508	65,856	12,652	0.1	7	8.4	663	6	494	1	169
Wholesale, Retail trades, Restaurants & Hotels	54,924	42,012	12,912	-	1	4.2	229	-	92	1	137
Transport, Storage & Communications	12,144	5,961	6,183	-	-	18.6	226	-	102	-	124
Finance, Insurance, Real Estate & Business Services	12,051	4,457	7,594	-	-	4.9	59	-	21	-	38
Community Social & Personal Services	29,721	21,512	8,209	-	-	5.5	162	-	44	-	118
Others Activities not Elsewhere Classified	243	22	221	-	-	-	-	-	-	-	-
Total	248,146	181,578	66,568	0.1	13	8.7	2,147	10	1,050	3	1,097

Note: only accidents covered by social insurance are described in this table.

Source: General Organisation for Social Insurance.

The rates are per 1000 insured persons by Nationality.

1000

Division of Economic Activity	2004		2003		2002		2001		2000	
	Non-Bah	Bah	Non-Bah	Bah	Non-Bah	Bah	Non-Bah	Bah	Non-Bah	Bah
Agriculture & Fishing	1.7	90.1	1.7	99.4	6.2	21.5	4.4	80.2	4.8	60.6
Mining & Quarrying	-	-	-	-	-	-	-	-	-	-
Manufacturing	7.3	26.5	7.6	30.0	16.8	15.9	7.2	27.8	8.9	25.2
Electricity, Gas & Water	13.7	12.6	12.3	33.6	22.7	26.5	18.2	40.0	22.7	47.9
Building & Construction	7.6	13.4	10.3	20.2	46.9	6.4	16.2	34.5	17.7	30.6
Wholesale, Retail trades, Restaurants & Hotels	2.2	10.7	3.0	11.6	11.6	5.4	5.1	15.8	7.1	18.4
Transport, Storage & Communications	17.1	20.1	15.4	16.5	11.0	23.6	27.4	21.5	35.1	28.0
Financing, Insurance, Real Estate & Business Services	4.7	5.0	4.6	4.5	2.2	11.1	6.2	7.7	6.7	10.2
Community Social & Personal Services	2.0	14.4	3.3	18.1	7.3	9.4	6.9	28.1	8.6	29.4
Others Activities not Elsewhere	-	-	-	-	-	-	22.4	66.9	30.0	77.2
Total	5.8	16.5	7.2	19.5	17.5	10.0	10.7	25.1	18.6	25.5

Note: only accidents covered by social insurance are described in this table.

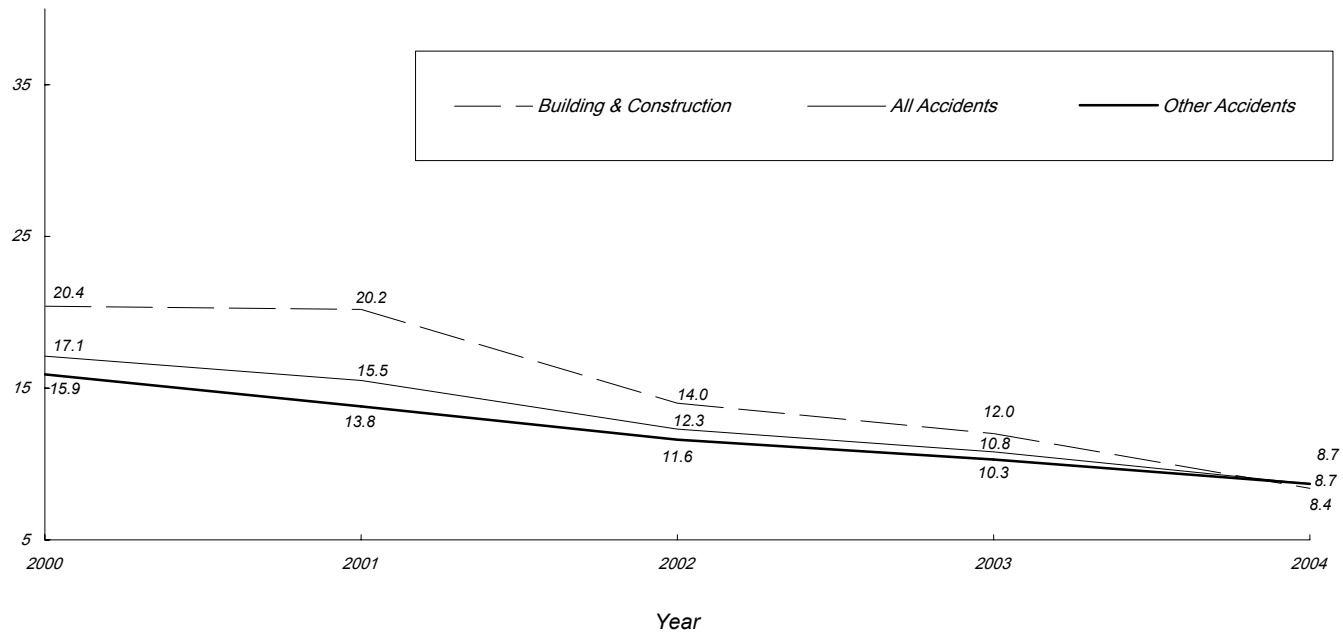
Source: General Organisation for Social Insurance.

The rates are per 1000 insured persons by Nationality.

1000

2004 - 2000 Ø
Occupational Accidents Rates 2000 - 2004

Rates are per 1000 insured persons



Reference: Table 6.15

مرجع: جدول 6.15