

Contents

2004

المحتويات

Foreword

Contents

Conventions Used in this Report

Map of Bahrain

Introduction

CHAPTER 1 - SUMMARY STATISTICS

Demographic and Socioeconomic Indicators 2000-2004

Health Resources 2000-2004

Health Resources by Health Sector (Government-Private) 2000-2004

Health Care Resources 2004

Selected Health Care Resources at Ministry of Health 2004

Out-Patient Visits 2004

Coverage with Primary Health Care 2000-2004

Health Status Indicators 2000-2004

Registered Vital Statistics and Demographics Indicators 2000-2004

Selected Morbidity Indicators (Reported Communicable Diseases) 2000-2004

Global (WHO) Indicators 2004

Page iii

Page v

Page xv

Page xxiii

Page 1

Table 1.1, page 1-3

Table 1.2, page 1-5

Table 1.3, page 1-6

Table 1.4, page 1-8

Table 1.5, page 1-9

Figure 1.1, page 1-11

Table 1.6, page 1-12

Table 1.7, page 1-13

Table 1.8, page 1-14

Table 1.9, page 1-16

Table 1.10, page 1-17

	2004-2000	-
		2004-2000
2004-2000 (-)
		2004
	2004	
		2004
	2004-2000	
		2004-2000
2004-2000		
2004-2000 ()
	2004	(
)

CHAPTER 2 - CENSUS AND DEMOGRAPHIC STATISTICS

Population by Age Groups, Nationality and Sex- 2001 Census	Table 2.1, page 2-3	2001	-	
Population by Nationality and Sex in Census Years	Table 2.2, page 2-4			
Population by Nationality in Census Years	Figure 2.1, page 2-5			
Population (15 years +) by Educational Level, Nationality and Sex - 2001 Census	Table 2.3, page 2-6	2001	-	(15)
Population by Health Center Catchments, Nationality and Sex - 2001 Census	Table 2.4, page 2-8		2001	-
Population in Geographical Regions by Nationality and Sex - 2001 Census	Table 2.5, page 2-9		2001	-
Disabled Population by Age Groups and Type of Disability - 2001 Census	Table 2.6, page 2-10		2001	-
Population (15 yrs+) by Smoking Status, Nationality and Sex - 2001 Census	Table 2.7, page 2-11	2001	-	(15)
Population Estimates by Age Groups, Nationality and Sex 2004	Table 2.8, page 2-12		2004	
Population Estimates by Health Center Catchments, Nationality and Sex 2004	Table 2.9, page 2-13		2004	
Population Estimates in Geographical Regions by Nationality and Sex 2004	Table 2.10, page 2-14		2004	

CHAPTER 3 - FINANCIAL RESOURCES

Ministry of Health Income / Expenditure and Total Government Expenditure (BD) 1995-2004	Table 3.1, page 3-3	2004-1995	()	
Ministry of Health Expenditure as % of Total Public Expenditure 1995-2004	Figure 3.1, page 3-4		2004-1995	
Ministry of Health Expenditure by Directorates / Services 2004	Table 3.2, page 3-5		2004	/
Ministry of Health Recurrent Expenditure by Services 2004	Figure 3.2, page 3-7		2004	
Patient / Visit Cost Analysis (Bahraini Dinars) 2000-2004	Table 3.3, page 3-8		2004-2000	()

CHAPTER 4 - HUMAN RESOURCES

Ministry of Health Manpower by Year, Nationality and Sex 2000-2004	Table 4.1, page 4-3		2004-2000	
Number and Percentage of Bahraini Employees at Ministry of Health 1995-2004	Figure 4.1, page 4-4		2004-1995	
Ministry of Health Manpower by Directorate, Department, Nationality and Sex 2004	Table 4.2, page 4-5		2004	
Ministry of Health Manpower by Category, Nationality and Sex 2004	Table 4.3, page 4-7		2004	
Percentage of Bahraini Health Manpower at Ministry of Health 2004	Figure 4.2, page 4-8		2004	
Ministry of Health Manpower by Category, Nationality and Year 2000-2004	Table 4.4, page 4-9		2004-2000	
Ministry of Health Physicians by Location, Field of Practice, Nationality and Sex 2004	Table 4.5, page 4-11		2004	
Salmaniya Medical Complex Manpower by Department, Nationality and Sex 2004	Table 4.6, page 4-13		2004	
Health Centers Manpower by Nationality and Sex 2004	Table 4.7, page 4-14		2004	

CHAPTER 5 - COLLEGE OF HEALTH SCIENCES

Graduates 2000-2004	Table 5.1, page 5-3		-
Course Completion 2004	Table 5.2, page 5-4	2004	2004-2000
Number of Participants in Special Programmes by Programme 2000-2004	Table 5.3, page 5-5	2004-2000	
Students Enrolled by Course for the Year 2004	Table 5.4, page 5-6	2004	
Enrolled Students (Nursing Division) for the Academic Year 2003-2004	Table 5.5, page 5-7	2004-2003	()
Enrolled Students (Allied Health) for the Academic Year 2003-2004	Table 5.6, page 5-8	2004-2003	()
Manpower at College of Health Sciences by Category, Nationality and Sex for the Academic Year 2003-2004	Table 5.7, page 5-9	2004-2003	

CHAPTER 6 - PUBLIC HEALTH

Notifiable Communicable Diseases (Reported Cases) 2000-2004	Table 6.1, page 6-3		2004-2000
Notifiable Communicable Diseases Rates 2000-2004	Table 6.2, page 6-4		2004-2000
Immunization Coverage Among Infants and Children (1-6 years) 2000-2004	Table 6.3, page 6-5	2004-2000 (6-1)
Immunizations by Type and Place 2004	Table 6.4, page 6-6		2004
Immunization Coverage Among Children Under One Year 2004	Table 6.5, page 6-7	2004	
Immunization Coverage Among Children (1-6 Years) and Pregnant Women 2004	Table 6.6, page 6-8	2004	(6-1)
Positive Tuberculin Test Among School Children (6-7 years) by Year	Table 6.7, page 6-9	(7-6)
Selected Communicable Diseases Rates by Age Groups 2004	Table 6.8, page 6-10	2004	
Selected Communicable Diseases by Age Groups 2004	Figure 6.1, page 6-11	2004	
Selected Communicable Diseases Rates by Geographical Region 2004	Table 6.9, page 6-12	2004	
Selected Communicable Diseases by Geographical Region 2004	Figure 6.2, page 6-13	2004	
Water Supply Bacteriological and Chemical Test Results by Source 2000-2004	Table 6.10, page 6-14	2004-2000	
Mosquito Breeding Spots 2000-2004	Table 6.11, page 6-15		2004-2000
Malaria Cases by Country of Origin 2004	Table 6.12, page 6-16		2004
Serological Test Results (Selected) 2003-2004	Table 6.13, page 6-17	2004-2003	
Road and Traffic Related Accidents by Seriousness of Injuries and Sex 2000-2004	Table 6.14, page 6-18	2004-2000	
Road and Traffic Related Accidents Rates by Seriousness of Injuries 2000-2004	Figure 6.3, page 6-19	2004-2000	
Occupational Accidents and Deaths by Nationality and Division of Economic Activity 2004	Table 6.15, page 6-20	2004	
Occupational Accidents and Deaths Rates by Nationality and Division of Economic Activity 2000-2004	Table 6.16, page 6-21		2004-2000
Occupational Accidents Rates 2000-2004	Figure 6.4, page 6-22		2004-2000

CHAPTER 7 - PRIMARY HEALTHCARE

Primary Health Care in Summary	Page i				
General, Dental and Diabetic Clinic Visits at Health Centers 2000-2004	Table 7.1, page 7-3	2004-2000			
Average Visits to Health Centers per Capita 2000-2004	Figure 7.1, page 7-4		2004-2000		
Visits to General Clinics by Health Center 2004	Table 7.2, page 7-5		2004		
Average Cost Per Health Center Visit 2004	Figure 7.2, page 7-6			2004	
Visits to Dental Clinics by Health Center 2004	Table 7.3, page 7-7		2004		
General, Specialized and Preventive Dental (Selected) Procedures at Health Centers 2004	Table 7.4, page 7-8	2004	()		
Mother and Child Health Care (Selected) Visits by Health Center 2004	Table 7.5, page 7-9	2004	()		
Periodic Women Screening Visits through Maternal and Child Health Services by Health Center 2004	Table 7.6, page 7-10				2004
Premarital Examination Visits through Maternal and Child Health Services by Health Center 2004	Table 7.7, page 7-11	2004			
Family Planning Visits by Family Planning Method and Health Center 2004	Table 7.8, page 7-12		2004		
Child Screening Data by Health Center 2004	Table 7.9, page 7-13		2004		
Immunization Coverage Among Children and Pregnant Women 2004	Table 7.10, page 7-14			2004	
Vaccinations at Health Centers 2004	Table 7.11, page 7-15				2004
Nursing Activities by Health Center and Region 2004	Table 7.12, page 7-18		2004		
Referrals to Salmaniya Medical Complex 2004	Table 7.13, page 7-19		2004		
Physiotherapy, Laboratory Tests and X-Rays by Health Center 2004	Table 7.14, page 7-20	2004			
DIRECTORATE OF HEALTH & SOCIAL WELFARE – MINISTRY OF INTERIOR					
Out-Patient Visits by Clinic 2000-2004	Table 7.15, page 7-21			2004-2000	
Referrals by Department and Clinic 2000-2004	Table 7.16, page 7-22			2004-2000	
Laboratory Tests 2000-2004	Table 7.17, page 7-23				2004-2000
Radiology Procedures 2000-2004	Table 7.18, page 7-24				2004-2000

CHAPTER 8 - VITAL STATISTICS

Reported and Registered Births and Deaths 2004	Table 8.1, page 8-3			2004	
Vital Statistics Reported Data 2004	Table 8.2, page 8-4				2004
Crude Birth (Registered) Rate Per 1000 Population by Nationality 1995-2004	Figure 8.1, page 8-5	2004-1995		1000 ()	
Reported Births by Place of Birth 2004	Table 8.3, page 8-6			2004	
Registered Live Births by Place of Birth, Nationality and Sex 2004	Table 8.4, page 8-7		2004		
Registered Live Births by Place of Births and Nationality 2004	Figure 8.2, page 8-8		2004		
Registered Live Births by Birth Weight, Nationality and Age of Mother 2004	Table 8.5, page 8-9	2004			

Birth Weight (kg) by Nationality 2004	Figures 8.3, page 8-10		2004	()
Registered Live Births by Birth Intervals, Nationality and Age Groups of Mother 2004	Table 8.6, page 8-11	2004		
Registered Still Births by Nationality, Sex and Age of Fetus 2004	Table 8.7, page 8-12		2004	()
Reported Deaths by Place, Nationality and Sex 2004	Table 8.8, page 8-13		2004	
Reported Deaths by Age Groups, Nationality and Sex 2004	Table 8.9, page 8-14		2004	
Death Rate by Age Groups, Nationality and Sex 2004	Figure 8.4, page 8-15		2004	
Reported Deaths by Cause of Death, Nationality and Sex 2004	Table 8.10, page 8-16		2004	
Number and Percentage of Reported Deaths 2004	Figure 8.5, page 8-18			2004
Reported Deaths by Cause of Death and Age Groups 2004	Table 8.11, page 8-19		2004	
Reported Deaths by Cause of Death and Region 2004	Table 8.12, page 8-21		2004	
Deaths Rates by Cause of Death, Year and Nationality 2000-2004	Table 8.13, page 8-23		2004-2000	
The Ten Leading Causes of Death 2000-2004	Table 8.14, page 8-25			2004-2000
The Ten Leading Causes of Death Rates 2000-2004	Figure 8.6, page 8-26			2004-2000
Medium Projections of Mean Life Expectancy at Birth by Sex for the Period 1950-2005	Table 8.15, page 8-29	2005-1950		

CHAPTER 9 - SECONDARY HEALTHCARE: GOVERNMENT SECTOR

SALMANIYA MEDICAL COMPLEX (SMC)

Summary Statistics	Page i			
Beds by Department and Specialty 2000-2004	Table 9.1, page 9-3		2004-2000	
Bed Utilization 2004	Table 9.2, page 9-4			2004
Bed Utilization by Department 2000-2004	Table 9.3, page 9-6		2004-2000	
Re-Admissions 2004	Table 9.4, page 9-10			2004
Admissions and Discharges by Department and Days of the Week 2004	Table 9.5, page 9-11		2004	
Admissions and Discharges by Days of the Week 2004	Figure 9.1, page 9-12			2004
Discharges (Alive and Dead) by Age Groups, Nationality and Sex 2004	Table 9.6, page 9-13	2004		()
Discharges (Alive and Dead) by Age Groups and Nationality 2004	Figure 9.2, page 9-15		2004	()
Discharges (Alive and Dead) by Geographical Region 2004	Table 9.7, page 9-16		2004	()
Discharges (Alive and Dead) by Source of Admission 2004	Table 9.8, page 9-17		2004	()
Discharges (Alive and Dead) by Source of Admission 2004	Figure 9.3, page 9-18		2004	()
Discharges (Alive and Dead) by Marital Status 2004	Table 9.9, page 9-19		2004	()

Discharges (Alive and Dead) by Nationality 2004	Table 9.10, page 9-20	2004	()
Discharges (Alive and Dead) by Diagnosis, Nationality and Sex 2004	Table 9.11, page 9-21	2004	()
Discharges (Alive and Dead) by Diagnosis and Age Groups 2004	Table 9.12, page 9-23	2004	()
Discharges by Discharge Status, Nationality and Department 2004	Table 9.13, page 9-25	2004	
Discharges, Days of Care and Average Length of Stay by Principal Diagnosis, Sex and Age Groups 2004	Table 9.14, page 9-26		2004
Discharges by The Ten Leading Diagnosis 2004	Figure 9.4, page 9-39	2004	
In-Patient Days by Operation Procedures and Discharged Department 2004	Table 9.15, page 9-40	2004	
Number of Anaesthesia Cases at Ministry of Health by Type of Anaesthesia 2000-2004	Table 9.16, page 9-41	2004-2000	
Deaths by Cause of Death , Length of Stay, Nationality and Sex 2004	Table 9.17, page 9-42	2004	
Deaths by Cause of Death 2004	Figure 9.5, page 9-50		2004
Out-Patient Visits by Department 2000-2004	Table 9.18, page 9-51	2004 -2000	
Out-Patient Visits by Department 2004	Figure 9.6, page 9-52	2004	
Laboratory Tests by Source of Specimen 2004	Table 9.19, page 9-53	2004	
Radiology Procedures 2004	Table 9.20, page 9-54		2004
Special Care Baby Unit (Discharges by Month and Sex) 2004	Table 9.21, page 9-56	2004 ()	
Discharges (Mothers / Special Care Baby Unit) by Geographical Region 2004	Table 9.22, page 9-57	2004 (/)	
Surgical Operations and Procedures by Specialty 2000-2004	Table 9.23, page 9-58	2004-2000	
Endoscopies Procedures 2000-2004	Table 9.24, page 9-59		2004-2000
PSYCHIATRIC HOSPITAL			
Bed Utilization 2004	Table 9.25, page 9-61		2004
Admissions and Discharges by Days of the Week 2004	Table 9.26, page 9-62	2004	
Admissions and Discharges by Days of the Week 2004	Figure 9.7, page 9-63	2004	
Discharges (Alive and Dead) by Age Groups, Nationality and Sex 2004	Table 9.27, page 9-64	2004	()
Discharges (Alive and Dead) by Geographical Region 2004	Table 9.28, page 9-65	2004	()
Discharges (Alive and Dead) by Marital Status 2004	Table 9.29, page 9-66	2004	()
Discharges (Alive and Dead) by Nationality 2004	Table 9.30, page 9-67	2004	()
Discharges by Discharge Status and Nationality 2004	Table 9.31, page 9-68	2004	
Discharges, Days of Care and Average Length of Stay by Principal Diagnosis, Sex and Age Groups 2004	Table 9.32, page 9-69		2004
Discharges by The Ten Leading Diagnosis 2004	Figure 9.8, page 9-73	2004	
Out-Patient Visits by Department, Nationality and Sex 2004	Table 9.33, page 9-74	2004	

MATERNITY HOSPITALS

Number of Deliveries in Government and Private Hospitals 2000-2004	Table 9.34, page 9-75	2004-2000
Number of Abortion Cases in Government and Private Hospitals 2000-2004	Table 9.35, page 9-76	2004-2000
Infants Born with Severe Congenital Malformations and been Admitted to Salmaniya Medical Complex 2000-2004	Table 9.36, page 9-77	2004-2000

CHAPTER 10 - BAHRAIN DEFENCE FORCE - ROYAL MEDICAL SERVICES MILITARY HOSPITAL

Beds by Ward 2000-2004	Table 10.1, page 10-3	2004-2000
Bed Utilization 2004	Table 10.2, page 10-4	2004
Admissions and Discharges by Department and Month 2004	Table 10.3, page 10-6	2004
Discharges by Department 2000-2004	Table 10.4, page 10-8	2004
Discharges (Alive and Dead) by Diagnosis and Age Groups 2004	Table 10.5, page 10-9	2004 ()
Discharges (Alive and Dead) by Diagnosis, Nationality and Sex 2004	Table 10.6, page 10-11	2004 ()
Discharges (Alive and Dead) by Age Groups, Nationality and Sex 2004	Table 10.7, page 10-13	2004 ()
Discharges by Discharged Status, Nationality and Department 2004	Table 10.8, page 10-15	2004
Discharges, DOC, ALS by Principal Diagnosis, Sex and Age Groups 2004	Table 10.9, page 10-16	2004
Deaths by Cause of Death, Length of Stay, Nationality and Sex 2004	Table 10.10, page 10-19	2004
Out-Patient Visits by Department 2000-2004	Table 10.11, page 10-21	2004-2000
Out-Patient Visits by Department 2004	Figure 10.1, page 10-22	2004
Manpower by Category, Nationality and Sex 2004	Table 10.12, page 10-23	2004
Dental Procedures 2000-2004	Table 10.13, page 10-24	2004-2000
Surgical Procedures 2000-2004	Table 10.14, page 10-25	2004-2000
Laboratory Tests 2000-2004	Table 10.15, page 10-26	2004-2000
Radiology Procedures 2000-2004	Table 10.16, page 10-27	2004-2000
Special Care Baby Unit Discharges by Month and Sex 2004	Table 10.17, page 10-28	2004

PRIVATE SECTOR**CHAPTER 11 - INTERNATIONAL HOSPITAL OF BAHRAIN**

Bed Utilization 2000-2004	Table 11.1, Page 11-3		-
Beds Distribution 2000-2004	Table 11.2, page 11-4		2004-2000
Out-Patient Visits by Department 2000-2004	Table 11.3, page 11-5		2004-2000
Manpower by Category, Nationality and Sex 2004	Table 11.4, page 11-6	2004	
Births by Nationality and Type of Delivery 2004	Table 11.5, page 11-7		2004
Major and Minor Operations 2004	Table 11.6, page 11-8		2004
Dental Treatment by Type of Treatment, Nationality and Sex 2004	Table 11.7, page 11-9		2004
Immunization by Type of Vaccine, Age Groups and Nationality 2004	Table 11.8, page 11-10		2004
Laboratory Tests 2000-2004	Table 11.9, page 11-11		2004-2000
Deaths by Cause of Death, Length of Stay, Nationality and Sex 2004	Table 11.10, page 11-12	2004	

CHAPTER 12 - AMERICAN MISSION HOSPITAL

Bed Utilization 2000-2004	Table 12.1, page 12-3		-
Beds Distribution 2000-2004	Table 12.2, page 12-4		2004-2000
Discharges (Alive and Dead) by Department 2004	Table 12.3, page 12-5		2004-2000
Out-Patient Visits by Department, Nationality and Sex 2004	Table 12.4, page 12-6	2004	()
Manpower by Category, Nationality and Sex 2004	Table 12.5, page 12-7	2004	
Births by Nationality and Type of Delivery 2004	Table 12.6, page 12-8		2004
Major and Minor Operations 2004	Table 12.7, page 12-9		2004
Pre and Post Operation Days by Discharged Department 2004	Table 12.8, page 12-10	2004	
Dental Treatment by Type of Treatment, Nationality and Sex 2004	Table 12.9 page 12-11		2004
Immunization by Type of Vaccine, Age Groups and Nationality 2004	Table 12.10, page 12-12		2004
Laboratory Tests 2000-2004	Table 12.11 page 12-13		2004-2000
Radiology Procedures 2004	Table 12.12, page 12-14		2004
Deaths by Cause of Death, Length of Stay, Nationality and Sex 2004	Table 12.13, page 12-15	2004	
Discharges, DOC, ALS by Principal Diagnosis, Sex and Age Groups 2004	Table 12.14, page 12-16	2004	

CHAPTER 13 - AWALI HOSPITAL

General Statistics 2004	Table 13.1, page 13-3		الفصل الثالث عشر -
Births by Nationality and Type of Delivery 2004	Table 13.2, page 13-4		2004
Major and Minor Operations 2004	Table 13.3, page 13-5		2004

Pre and Post Operation Days by Discharged Department 2004	Table 13.4, page 13-6	2004	
Manpower by Category, Nationality and Sex 2004	Table 13.5, page 13-7		2004
Immunization by Type of Vaccine, Age Groups and Nationality 2004	Table 13.6, page 13-8		2004
Deaths by Cause of Death, Length of Stay, Nationality and Sex 2004	Table 13.7, page 13-9		2004
CHAPTER 14 - IBN AL-NAFEES HOSPITAL			
Bed Utilization 2000-2004	Table 14.1, page 14-3		2004-2000
Out-Patient Visits by Department 2000-2004	Table 14.2, page 14-4		2004-2000
Manpower by Category, Nationality and Sex 2004	Table 14.3, page 14-5		2004
Births by Nationality and Type of Delivery 2004	Table 14.4, page 14-6		2004
Operations (Major/Minor) 2004	Table 14.5, page 14-7		2004 ()
Radiology Procedures 2004	Table 14.6, page 14-8		2004
Immunization by Type of Vaccine, Age Group and Nationality 2004	Table 14.7, page 14-9		2004
Laboratory Tests 2000-2004	Table 14.8, page 14-10		2004-2000
CHAPTER 15 - BAHRAIN SPECIALIST HOSPITAL			
Bed Utilization 2003-2004	Table 15.1, page 15-3		2004-2003
Discharges (Alive and Dead) by Department 2004	Table 15.2, page 15-4		2004 ()
Out-Patient Visits by Department 2003-2004	Table 15.3, page 15-5		2004-2003
Manpower by Category, Nationality and Sex 2004	Table 15.4, page 15-6		2004
Births by Nationality and Type of Delivery 2004	Table 15.5, page 15-7		2004
Major and Minor Operations 2004	Table 15.6, page 15-8		2004
Dental Treatment by Type of Treatment, Nationality and Sex 2004	Table 15.7, page 15-9		2004
Immunizations by Type of Vaccine, Age Groups and Nationality 2004	Table 15.8, page 15-10		2004
Laboratory Tests 2004	Table 15.9, page 15-11		2004
Radiology Procedures 2004	Table 15.10, page 15-12		2004
Deaths by Cause of Death, Length of Stay, Nationality and Sex 2004	Table 15.11, page 15-13		2004
CHAPTER 16 - GULF DENTAL SPECIALTY HOSPITAL			
General Statistics 2000-2004	Table 16.1, page 16-3		2004-2000
Bed Utilization 2000-2004	Table 16.2, page 16-4		2004-2000
Manpower by Category, Nationality and Sex 2004	Table 16.3, page 16-5		2004
Dental Procedures 2000-2004	Table 16.4, page 16-6		2004-2000

الفصل الرابع عشر -

الفصل الخامس عشر -

الفصل السادس عشر -

CHAPTER 17 - JOSLIN DIABETES CENTER

Out-Patient Visits by Department 2004

Manpower by Category, Nationality and Sex 2004

Radiology Procedures 2004

Laboratory Tests 2004

Formulas / Definitions

Table 17.1, page 17-3

Table 17.2, page 17-4

Table 17.3, page 17-5

Table 17.4, page 17-6

Page 1

2004

2004

الفصل السابع عشر -

2004

2004

/