

1095365

-REP

7



وزارة الصحة
دولة البحرين

MINISTRY OF HEALTH
STATE OF BAHRAIN

ANNUAL REPORT

1987

التقرير السنوي

١٩٨٧

Prepared by :
Bahrain Health Information Center
P.O. Box 12, Ministry of Health, State of Bahrain.
Arabian Gulf.



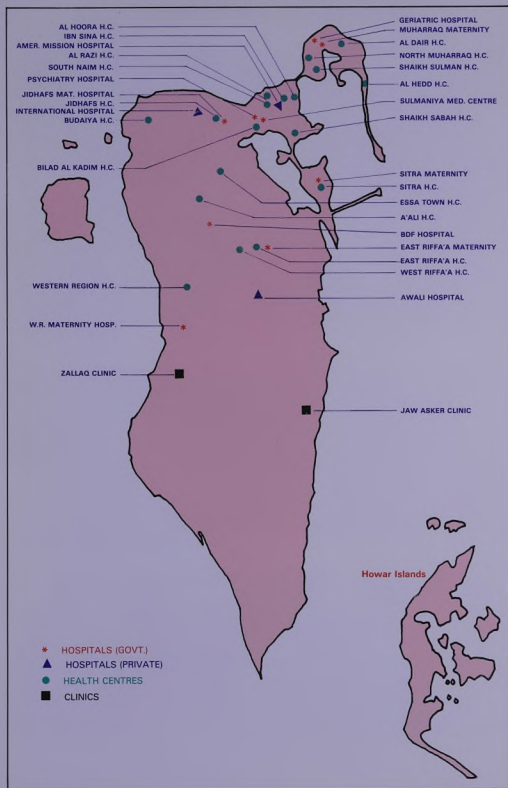
وزارة الصحة
دولة البحرين

MINISTRY OF HEALTH
STATE OF BAHRAIN

ANNUAL REPORT **التقرير السنوي**
1987 ١٩٨٧

Prepared by :
Bahrain Health Information Center
P.O. Box 12, Ministry of Health, State of Bahrain.
Arabian Gulf.

STATE OF BAHRAIN



HEALTH MESSAGE FROM THE MINISTER

The Government of Bahrain is committed to the provision of comprehensive Health Care to all citizens and residents of Bahrain. Further, it is Government policy that such health care be free, readily accessible, and embrace all levels of medical diagnosis and treatment at the Primary, Secondary and Tertiary care levels. The evidence that this policy works and that it is accepted by the people is the continued increase in the use of Ministry of Health facilities. During the year, there were in excess of two million one hundred and fifteen thousand visits to the medical and dental facilities maintained by the Ministry of Health. That number represents a five percent increase over the previous year and includes hospital and maternity admissions, visits to health centers and outpatient clinics, use of the Accident and Emergency facilities at the Salmaniya Medical Center, and visits to dental clinics. In all, it means that the per capita use of Ministry facilities exceeds four visits per year for the entire population of Bahrain. When you add to that the laboratory tests, the X-ray procedures, and the treatments in physical and occupational therapy as well as the work of the Psychiatric Hospital, then it is apparent that the Government of Bahrain is providing for health care on an extended and very modern scale.

This delivery system would not have been possible without the modern hospitals and health centers that have been constructed during the past fifteen years. Indeed, that construction program was reinforced in December of 1987 by the dedication of a new, modern and extensive health center at Naim, and dedication of the new Medical Equipment Center on the grounds of the Salmaniya Medical Center. Concurrent with the dedication of the Naim Health Center, the new Medical Commission offices and examination rooms were opened, and the Al Razi Health Center was designated as a Workers Clinic to provide specialized diagnosis and treatment in the area of occupational medicine. Construction was also completed on the new Hamad Town Health Center, and construction was continued on new Health Centers in the Western Region, and at Hidd.

As important as facilities are, however, the most important asset of any organization is its people. Recognizing this, the Ministry continued its investment in staff development and training. The relationship with the Arabian Gulf College of Medicine and Medical Sciences has continued with substantial numbers of Ministry Consultants serving on the College Faculty under adjunct appointments. The Ministry also continued its training of Obstetricians, Surgeons, Pediatricians and Internal Medicine specialists through the Arab Board programs, and Family Doctors through the Family Practice Residency Program. Many doctors were sent overseas for training in medical sub-specialties in order to strengthen the consultant skills of the Ministry and to reinforce its clinical capabilities.

HEALTH CARE IN BAHRAIN

Ancillary medical and nursing staff also participated in training, both overseas and in Bahrain, and the Ministry initiated new programs in management development and to train dental hygienists. New work has been done in planning for a comprehensive genetics program, and maternal and child health activities have been expanding as have school health activities.

In all, 1987 was a year of progress and productivity. It was a year where standards were maintained and where the program expanded. It was a year of accomplishment. In saying that, I acknowledge that what was achieved was not the result of the efforts of any one man or group of people but rather it was the result of the combined efforts of the entire Ministry of Health staff working as a team, and I thank all of the doctors, administrators, educators, nurses, ancillary health personnel, support staff, and clerks for what they have achieved and for what is evidenced in this annual report.

Jawad Salim Al Arrayed
Minister of Health

The State of Bahrain consists of a group of islands with a total area of approximately 661 square kilometers. It lies roughly halfway down the Arabian Gulf. On its west, about 24 km away is the Kingdom of Saudi Arabia which is linked to Bahrain through a causeway. To Bahrain's south is the Qatar peninsula. The main island of Bahrain covers an area of 562 square kilometers, is about 50 km long and varies in width from 13 km to 35 km. Manama, the capital of Bahrain is to the North-East of the island and is linked with the island of Muharraq on the North East and with the island of Sitra on the east coast by causeways.

The State of Bahrain declared independence in 1971. Since then the country has made rapid economic progress under the leadership of H.H. Shaikh Isa Bin Salman Al-Khalifa, the Amir of Bahrain. Some of the major achievements of Bahrain are reduction of its dependence on oil production and development of a large skilled workforce in diverse fields. Hence the economy of the state is not entirely dependent on the oil production. Bahrain has a diversified industrial base and is a major banking center in the region with a large number of reputed international banks having their offshore banking services on the island. The country is served by an excellent telecommunications system which offers services both in the voice and data communications areas.

The State of Bahrain has a population of 416,275 (medium projection for 1987). One third of the population is Non-Bahraini. The crude birth rate is 37.4/1000 for Bahrainis and 21.7/1000 for Non-Bahrainis. Approximately 80% of the population lives in urban areas. The literacy rate is 68.7% for Bahrainis and 79.8% for Non-Bahrainis.

All residents, citizens and non-citizens, in the country enjoy the right to comprehensive health care. The Government provides free primary, secondary and tertiary health care to all residents of Bahrain. The technical and financial responsibility for providing this care lies mainly with the State with participation of the private sector and the community. The Government is fully committed to the declaration of Alma-Ata and to the concept of "Health for all by the year of 2000". The long term goal is to provide integrated preventive and curative health services through a network of health centers and hospitals.

The Minister of Health heads the Ministry of Health. He is a member of the Cabinet Ministers headed by His Excellency Shaikh Khalifa Bin Salman Al Khalifa, the Prime Minister. The Minister of Health is assisted by the Undersecretary and four Assistant Undersecretaries. The Assistant Undersecretaries are

administratively responsible for hospitals, management and finance, medical services and primary and public health respectively. The total health expenditure in 1987 amounted to B.D. 33,494,581 (6% of the total government expenditure). The per capita health expenditure is B.D. 80.5.

Primary health care is provided by the Health Centers. There are 18 Health Centers distributed in the inhabited part of the island. Each Health Center provides curative and preventive health care to the residents of a specific catchment area. The Health Centers are the first contact points for the patients. These Health Centers are staffed by family physicians who have undergone appropriate training to provide health care to all the members of the family.

Secondary Health Care is provided by the Salmaniya Medical Center, one Central Maternity Hospital, 4 rural Maternity Hospitals, a Psychiatric Hospital and a Geriatric Hospital. In addition there is one Defense hospital and three private hospitals. The total number of beds available in all the above hospitals is about 1356 with a ratio of 3.3 beds to 1000 population.

Public Health Directorate is responsible for disease prevention and control in Bahrain. The Directorate is responsible for establishing and enforcing health standards. Its role also extends to providing preventive programs which include general sanitation, water sanitation, insect and rodent control, food hygiene, communicable and non-communicable disease control, health education, and occupational health.

The total number of personnel employed by the Ministry of Health is 5104 of which there are 412 physicians and 1035 nurses in the various governmental hospitals and the Health Centers. In addition there is a total of 201 physicians working at the Defense hospital, private hospitals and private clinics. The total number of physician is 613 with a ratio of one physician to 679 population.

The Ministry of Health is also responsible for the training and development of manpower at all levels of the organization in order to fulfill the goal of self-sufficiency and Bahrainization. The College of Health Sciences provides training to 818 students in diverse fields in nursing and allied health. The college has graduated 1484 health professionals since its establishment in 1976. About 100 staff members are sponsored by the Ministry of Health to attend local and overseas training programs leading to higher qualifications in areas of need. Various numbers were also sponsored by the Ministry to attend local and overseas conferences and seminars.

The health problems in Bahrain are those generally found in countries passing through the transitional stage of development. There is a declining trend in the occurrence of communicable diseases and an increasing trend in the occurrence of chronic diseases such as circulatory, metabolic and neoplasms. The crude birth rate (30.2/1000) is very high compared to the developed nations. Though, it is expected in developing countries with booming economies and health care services. Some studies have reported declining trends in the fertility rates which are yet to be confirmed in the census of 1991. 1564 deaths were reported in 1987, mostly from hospitals. The crude death rate is still very low (3.8/1000). That is attributed mainly to the under reporting of death and to the high percentage of the younger population. Most of the deaths (29.6%) were due to diseases of the circulatory system. Infant mortality rate of 20.6/1000 is still relatively high compared to the developed countries. The effect of death under reporting on infant mortality rate is thought to be minimal since most infant death occurs in hospitals. Maternal mortality rate for 1987 was 40/100,000 compared to 8/100,000 in 1986.

The incidence remained variable among the different categories of communicable diseases. The incidence of most childhood diseases was lower than 1986 except chickenpox and whooping cough. A nine fold increase in the incidence of meningococcal infection over 1986 was reported. This sudden increase was due to the outbreak of the disease that followed the return of pilgrims from Hajj. A 4.9 fold increase in the incidence of typhoid and paratyphoid over 1986 was also reported. More active measures are required to address the endemicity of typhoid and other food borne diseases. Slightly larger quantities of pesticides were used by the Ministry for its pests control program compared to 1986. There is a need to monitor the increasing trend in the use of pesticides due to its potential hazardous environmental effects. Occupational diseases and diseases of genetic origin (mostly blood diseases) were not addressed in this report. They will be included in future reports following the planned expansion of these services.

Health center attendance has shown an increase of 4% over 1986 with an average of 4 visits per person per year. A 6% increase in number of visits for antenatal and postnatal care over 1986 was also reported with an average of 3.9 antenatal visits per live birth. A 102% increase in the number of vaccinations in the health centers over 1986 was reported. This increase is attributed to the 2.4 fold increase in the use of MMR vaccine and the mass vaccination program which was launched to control the outbreak of meningitis. The total number of cases discharged from Salmaniya Hospital was 2.7% more than in 1986 but the average length of stay remained unchanged.

LIST OF TABLES

CONTENTS	TABLE NO	PAGE NO
SECTION ONE : CENSUS DATA 1981/ESTIMATED 1982-1990		
Population by age groups, nationality & sex in the 1981 census.	1.1	1
Population by religion & sex in census years (1941,1950,1959,1965,1971).	1.2	2
Population (10 years old & over) by highest educational level achieved, sex & nationality 1981 census.	1.3	3
Age specific labour force participation rates by age groups,nationality & sex per 100 census population 1981.	1.4	4
Labour force by division of occupation, sex & nationality in census (1971,1981).	1.5	5
Population in geographical regions by nationality & sex - 1981 census.	1.6	7
Handicapped population by sex, cause & type of handicap - 1981 census.	1.7	8
Households by type of living unit, nationality & type of household - 1981 census.	1.8	9
Housing units, households & individuals by region & type of vehicles owned - 1981 census.	1.9	10
Population by nationality, age groups, marital status & sex -1981 census.	1.10	11
Medium projections of the population by age groups, nationality & sex 1982.	1.11	12
Medium projections of the population by age groups, nationality & sex 1983.	1.12	13
Medium projections of the population by age groups, nationality & sex 1984.	1.13	14
Medium projections of the population by age groups, nationality & sex 1985.	1.14	15

LIST OF TABLES

CONTENTS	TABLE NO	PAGE NO
Medium projections of the population by age groups, nationality & sex 1986.	1.15	16
Medium projections of the population by age groups, nationality & sex 1987.	1.16	17
Medium projections of the population by age groups, nationality & sex 1988.	1.17	18
Medium projections of the population by age groups, nationality & sex 1989.	1.18	19
Medium projections of the population by age groups, nationality & sex 1990.	1.19	20
SECTION TWO : VITAL STATISTICS		
Vital events as reported to the Public Health Directorate, Bahrain 1987.	2.1	21
Vital statistics rates as estimated from reported data, Bahrain 1987.	2.2	21
Reported births by place of occurrence for the year 1987.	2.3	22
Reported births by sex and place of birth public health, Bahrain 1987.	2.4	22
Registered births by month and place of delivery 1987.	2.5	23
Distribution of registered birth by sex nationality & place of birth for 1987.	2.6	24
Reported deaths by place, sex and nationality for 1987.	2.7	25
Registered deaths by place, sex and nationality for 1987.	2.8	25
Reported deaths by sex, age and nationality for 1987.	2.9	26

LIST OF TABLES

CONTENTS	TABLE NO	PAGE NO
Reported deaths by international classification of cause of death, nationality and sex, Bahrain 1987.	2.10	27
Reported deaths by international classification of cause of death and age groups, Bahrain 1987.	2.11	29
SECTION THREE : PUBLIC HEALTH		
Reported cases of notifiable communicable diseases in Bahrain 1983-1987.	3.1	31
Reported cases of selected communicable diseases in Bahrain 1987.	3.2	32
Immunizations carried out in 1987 and place of immunizations in Bahrain.	3.3	33
Distribution of selected diseases by age group and rate/10,000 population, Bahrain 1987.	3.4	34
Distribution of certain selected diseases by region and rate/10,000 population, Bahrain 1987.	3.5	35
Results of bacteriological and chemical tests done on water samples by category of water source 1986-1987.	3.6	36
Amount of oils and pesticides used to control insects and rodents, Bahrain 1985-1987.	3.7	37
Anopheles and culex mosquito breeding spots 1985 - 1987.	3.8	38
Imported Malaria cases by nationality & country of origin Bahrain 1987.	3.9	39
Organisms isolated and parasites seen in stools examined during 1985-1987.	3.10	40

LIST OF TABLES

CONTENTS	TABLE NO	PAGE NO
SECTION FOUR : PRIMARY HEALTH CARE		
Total number of visits/encounters to all health centers, Bahrain 1987.	4.1	41
Total number of visits to child welfare clinics at health centers and home visits by child welfare staff Bahrain 1986-1987.	4.2	41
Number of referrals from the Health centers to Salmaniya Medical Center 1986-1987.	4.3	42
Total number of procedures/diagnosis carried out at health centers dental clinics Bahrain 1986, 1987.	4.4	43
Number of vaccinations in health centres by child welfare service 1984-1987.	4.5	44
Number of laboratory tests done at health centers Bahrain 1987.	4.6	45
Number of laboratory tests done at Salmaniya Medical Center for health centers, Bahrain.	4.7	46
Number of visits to Health Centers for antenatal and postnatal care, Bahrain 1987.	4.8	47
Total number of medical/surgical and dental visits encounters by health center, Bahrain 1986-1987.	4.9	48
SECTION FIVE : SECONDARY HEALTH CARE		
<u>I.Salmaniya Medical Center</u>		
Absolute and percentage distribution of all discharges in 1987 by age group and sex at Salmaniya Medical Center.	5.1	49
Absolute and percentage distribution of all discharges in 1987 by area of residence at Salmaniya Medical Center.	5.2	50
Absolute and percentage distribution of all discharges in 1987 by source of admission at Salmaniya Medical Center.	5.3	51

LIST OF TABLES

CONTENTS	TABLE NO	PAGE NO
Absolute & percentage distribution of all discharges in 1987 by age groups at Salmaniya Medical Center.	5.4	51
Absolute & percentage distribution of all discharges in 1987 by sex at Salmaniya Medical Center.	5.5	52
Absolute and percentage distribution of all discharges in 1987 by marital status at Salmaniya Medical Center.	5.6	52
Absolute and percentage distribution of all discharges in 1987 by nationality at Salmaniya Medical Center.	5.7	53
Absolute and percentage distribution of all discharges in 1987 by occupation at Salmaniya Medical Center.	5.8	54
Absolute and percentage distribution of all discharges in 1987 by ward at Salmaniya Medical Center.	5.9	55
Absolute and percentage distribution of all discharges in 1987 by principal diagnosis at Salmaniya Medical Center.	5.10	56
Absolute and percentage distribution of all discharges in 1987 by ward and mean of length of stay at Salmaniya Medical Center.	5.11	59
Absolute and percentage distribution of all discharges in 1987 by service and mean of length of stay at Salmaniya Medical Center.	5.12	60
Absolute and percentage distribution of all deaths in 1987 by service and month of discharge at Salmaniya Medical Center.	5.13	60
<u>II. Psychiatric Hospital</u>		
Absolute and percentage distribution of all discharges by area of residence in 1987 at the Psychiatric Hospital.	5.14	61
Absolute and percentage distribution of all discharges in 1987 by age group at the Psychiatric Hospital.	5.15	62

LIST OF TABLES

CONTENTS	TABLE NO	PAGE NO
Absolute and percentage distribution of all discharges in 1987 by sex at the Psychiatric Hospital.	5.16	62
Absolute and percentage distribution of all discharges in 1987 by marital status at the Psychiatric Hospital.	5.17	63
Absolute and percentage distribution of all discharges by nationality at the Psychiatric Hospital.	5.18	63
Absolute and percentage distribution of all discharges by occupation at the Psychiatric Hospital.	5.19	64
Absolute and percentage distribution of all discharges in 1987 by principal diagnosis on discharge at the Psychiatric Hospital.	5.20	65
Absolute and percentage distribution of all discharges in 1987 by month of discharge at Psychiatric Hospital.	5.21	66
SECTION SIX : FINANCE		
Health expenditure compared to Public Expenditure 1975 to 1988.	6.1	67
Health Expenditure according to Organizational Division of Ministry of Health, Bahrain 1987.	6.2	68
Cost ratios relating to Health Care Facilities Bahrain, 1987.	6.3	69
Revenue from Health Services and comparison With Health Expenditure Bahrain, 1975-1987.	6.4	70
SECTION SEVEN : MANPOWER		
Total manpower in Ministry of Health by sex and nationality Bahrain, 1983-1987.	7.1	71
Manpower employed by the Ministry of Health by Directorate/Department, Nationality and sex Bahrain, 1987.	7.2	72
Manpower in Salmaniya Medical Center by department, nationality and sex Bahrain, 1987.	7.3	73

LIST OF TABLES

CONTENTS	TABLE NO	PAGE NO
Manpower in Health Centers by category, nationality and sex Bahrain, 1987.	7.4	74
Medical Manpower in Ministry of Health by category and nationality, Bahrain 1983-1987.	7.5	75
SECTION EIGHT : COLLEGE OF HEALTH SCIENCES		
Number of students enrolled at college of Health Sciences for 1987.	8.1	76
Number of graduates from college of Health Sciences during the period 1978-1987.	8.2	77
SECTION NINE : BAHRAIN DEFENCE FORCE HOSPITAL		
Number of beds in B.D.F Hospital by speciality (1983-1987).	9.1	78
Physicians and Technicians at B.D.F Hospital by specialization nationality and sex, Bahrain 1987.	9.2	79
Absolute and percentage distribution of in-patients by ward at B.D.F Hospital (1985-1987).	9.3	80
Absolute and percentage distribution of out-patients attendance to general clinics and consultants clinics at B.D.F Hospital (1985-1987).	9.4	81
Registered live births in B.D.F Hospital by nationality and sex (1985-1987).	9.5	82
Registered births by cases at B.D.F Hospital (1985-1987).	9.6	83
SECTION TEN : PRIVATE HOSPITALS		
Number of beds in the private hospitals Bahrain, 1987.	10.1	84
Distribution of health manpower in private hospitals by category of personnel and hospital Bahrain, 1987.	10.2	84
Distribution of admissions to private hospitals by sex Bahrain, 1987.	10.3	85

LIST OF TABLES

CONTENTS	TABLE NO	PAGE NO
Distribution of admissions to private hospitals by nationality Bahrain, 1987.	10.4	85
Number of outpatient visits of private hospitals Bahrain, 1987.	10.5	85
Number of outpatient visits by speciality to American Mission Hospital and International Hospital Bahrain, 1987.	10.6	86
Distribution of deliveries in the private hospitals by sex Bahrain, 1987.	10.7	87
Distribution of deliveries in the private hospitals by nationality Bahrain, 1987.	10.8	87

SECTION ONE: CENSUS DATA

TABLE 1.1
POPULATION BY AGE GROUPS, NATIONALITY & SEX
IN THE 1981 CENSUS

Age Groups	Nationality / Sex الجنسية / النوع									فئات السن
	جملة السكان Total Population			غير بحريني Non-Bahraini			بحريني Bahraini			
	جملة	إناث	ذكور	جملة	إناث	ذكور	جملة	إناث	ذكور	
	Total	Females	Males	Total	Females	Males	Total	Females	Males	
L.T. 1 Year	7,652	3,754	3,898	1,471	704	767	6,181	3,050	3,131	أقل من سنة
1 — 4	36,110	17,834	18,276	6,240	3,040	3,200	29,870	14,794	15,076	٤ — ١
5 — 9	37,487	18,588	18,899	5,441	2,668	2,773	32,046	15,920	16,126	٩ — ٥
10 — 14	34,213	17,007	17,206	3,887	1,912	1,975	30,326	15,095	15,231	١٤ — ١٠
15 — 19	35,410	17,642	17,768	4,073	1,739	2,334	31,337	15,903	15,434	١٩ — ١٥
20 — 24	41,543	16,705	24,838	15,694	3,503	12,191	25,849	13,202	12,647	٢٤ — ٢٠
25 — 29	44,168	13,676	30,492	25,253	4,562	20,691	18,915	9,114	9,801	٢٩ — ٢٥
30 — 34	31,186	9,088	22,098	19,152	3,454	15,698	12,034	5,634	6,400	٣٤ — ٣٠
35 — 39	21,271	7,157	14,114	12,012	2,215	9,797	9,259	4,942	4,317	٣٩ — ٣٥
40 — 44	17,842	6,417	11,425	8,562	1,468	7,094	9,280	4,949	4,331	٤٤ — ٤٠
45 — 49	13,400	5,175	8,225	4,942	923	4,019	8,458	4,252	4,206	٤٩ — ٤٥
50 — 54	10,623	4,255	6,368	2,917	548	2,369	7,706	3,707	3,999	٥٤ — ٥٠
55 — 59	6,793	2,701	4,092	1,330	305	1,025	5,463	2,396	3,067	٥٩ — ٥٥
60 — 64	5,336	2,307	3,029	695	199	496	4,641	2,108	2,533	٦٤ — ٦٠
65 — 69	2,867	1,278	1,589	289	104	185	2,578	1,174	1,404	٦٩ — ٦٥
70 — 74	2,386	1,184	1,202	222	89	133	2,164	1,095	1,069	٧٤ — ٧٠
75 +	2,511	1,237	1,274	198	76	122	2,313	1,161	1,152	٧٥ — +
Total	350,798	146,005	204,793	112,378	27,509	84,869	238,420	118,496	119,924	الجملة

TABLE 1.2

POPULATION BY RELIGION & SEX IN CENSUS YEARS
(1941, 1950, 1959, 1965, 1971, 1981)

Census Years	الديانة النوع									سنوات التعداد	
	Religion/Sex			Christian			Muslim				
	Others			ديانات أخرى			مسيحي				مسلم
	جثة	إناث	ذكور	جثة	إناث	ذكور	جثة	إناث	ذكور		
	Total	Females	Males	Total	Females	Males	Total	Females	Males		
1941	1,672	...	...	...	...	...	88,298	...	...	١٩٤١
1950	1,317	...	...	2,932	...	...	105,401	...	...	١٩٥٠
1959	2,520	1,050	1,470	4,895	1,924	2,971	135,720	62,539	73,181	١٩٥٩	
1965	2,777	1,094	1,683	5,832	2,725	3,107	173,594	79,000	94,594	١٩٦٥	
1971	2,780	1,007	1,773	6,590	3,039	3,551	206,708	95,718	110,990	١٩٧١	
1981	27,033	4,691	22,342	25,611	9,638	15,973	298,140	131,673	166,467	١٩٨١	

TABLE 1.3

POPULATION (10 YEARS OLD & OVER) BY HIGHEST
EDUCATIONAL LEVEL ACHIEVED, SEX &
NATIONALITY-1981 CENSUS

Highest Educational Level/Sex		الجملة		غير بحريني		بحريني		إجمالي التحصيل تعليمي / النوع
		Total		Non-Bahraini		Bahraini		
		العدد	%	العدد	%	العدد	%	
		No.	%	No.	%	No.	%	
Illiterate	M	21.3	34,867	21.4	16,742	21.2	18,125	د
	F	36.3	38,450	15.8	3,336	41.4	35,114	ا
	T	27.2	73,317	20.2	20,078	31.3	53,239	ج
Read and Write	M	28.1	46,073	27.7	21,607	28.6	24,466	د
	F	23.3	24,681	21.4	4,526	23.8	20,155	ا
	T	26.2	70,754	26.3	26,133	26.2	44,621	ج
Primary	M	16.0	26,270	12.3	9,619	19.5	16,651	د
	F	12.7	13,461	9.9	2,098	13.4	11,363	ا
	T	14.7	39,731	11.8	11,717	16.4	28,014	ج
Intermediate	M	11.2	18,414	9.9	7,726	12.5	10,688	د
	F	8.5	8,947	9.2	1,951	8.3	6,996	ا
	T	10.2	27,361	9.8	9,677	10.4	17,684	ج
Secondary	M	14.1	23,103	15.6	12,222	12.7	10,881	د
	F	12.1	12,839	23.0	4,844	9.4	7,995	ا
	T	13.3	35,942	17.2	17,066	11.1	18,876	ج
Diploma	M	4.5	7,400	6.1	4,753	3.1	2,647	د
	F	4.0	4,215	11.0	2,313	2.2	1,902	ا
	T	4.3	11,615	7.1	7,066	2.7	4,549	ج
B.Sc. or B.A.	M	3.9	6,466	6.0	4,654	2.1	1,812	د
	F	2.7	2,898	8.5	1,789	1.3	1,109	ا
	T	3.5	9,364	6.5	6,443	1.7	2,921	ج
Master's Degree	M	0.6	908	0.8	644	0.3	264	د
	F	0.2	247	0.9	191	0.1	56	ا
	T	0.4	1,155	0.8	835	0.2	320	ج
Ph. D. or equivalent	M	0.1	189	0.2	151	0.0	38	د
	F	0.0	39	0.2	35	0.0	4	ا
	T	0.1	228	0.2	186	0.0	42	ج
Not Stated	M	0.0	30	0.0	11	0.0	19	د
	F	0.0	52	0.1	14	0.0	38	ا
	T	0.0	82	0.0	25	0.0	57	ج
Total	M	99.8	163,720	100.0	78,129	100.0	85,591	د
	F	99.8	105,829	100.0	21,097	99.9	84,732	ا
	T	99.9	269,549	99.9	99,226	100.0	170,323	ج

TABLE 1.4

AGE SPECIFIC LABOUR FORCE PARTICIPATION RATES
BY AGE GROUPS, NATIONALITY & SEX PER 100
CENSUS POPULATION 1981

Age Groups	Nationality/Sex									فئات السن
	الجنسية / النوع			غير بحريني			بحريني			
	المجمعة			Non-Bahraini			Bahraini			
	المجمعة	اناث	ذكور	المجمعة	اناث	ذكور	المجمعة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males		
15 — 19	19.2	8.4	30.0	37.5	18.2	51.9	16.9	7.3	26.7	١٦ — ١٩
20 — 24	66.0	31.5	89.2	84.5	39.5	97.5	54.7	29.3	81.2	٢٠ — ٢٤
25 — 29	77.4	31.1	98.1	88.9	40.8	99.5	61.9	26.2	95.1	٢٥ — ٢٩
30 — 34	77.4	24.6	99.1	88.9	39.3	99.8	59.2	15.6	97.6	٣٠ — ٣٤
35 — 39	71.6	17.3	99.2	88.7	39.5	99.9	49.3	7.3	97.3	٣٥ — ٣٩
40 — 44	67.9	12.8	98.8	89.5	40.0	99.8	47.9	4.7	97.2	٤٠ — ٤٤
45 — 49	63.8	9.6	97.9	87.7	36.1	99.6	49.8	3.8	96.3	٤٥ — ٤٩
50 — 54	58.8	6.0	94.1	85.4	27.7	98.8	48.7	2.8	91.3	٥٠ — ٥٤
55 — 59	54.6	3.6	88.2	78.7	19.0	96.5	48.7	1.7	85.4	٥٥ — ٥٩
60 — 64	40.0	1.7	69.3	64.0	9.5	85.9	36.5	0.9	66.0	٦٠ — ٦٤
65 +	24.2	0.8	45.5	39.5	5.2	60.5	22.6	0.4	43.6	٦٥ — ٦٩
General Participation Rate	60.5	18.2	86.1	85.2	36.3	97.5	43.7	13.3	73.8	معدل المساهمة العام

TABLE 1.5

*LABOUR FORCE BY DIVISION OF OCCUPATION, SEX &
NATIONALITY IN CENSUS (1971,1981)

Division of Occupation/Sex	Year/Nationality	السنة / الجنسية						أقسام المهنة / النوع		
		***1981			**1971					
		البحرينيين % Bahraini	المجمعة	غير بحريني	البحرينيين % Bahraini	المجمعة	غير بحريني			
		Total	بحريني	Non-Bahraini	Total	بحريني	Non-Bahraini			
Professional, Technical & Related Workers	M	43.2	10,797	6,128	4,669	61.6	3,147	1,209	1,938	الاحتراسيون والفنيون ومن يرتبط بهم
	F	67.6	5,024	1,628	3,396	56.5	1,677	729	948	
	T	51.0	15,821	7,756	8,065	59.8	4,824	1,938	2,886	
Administrative & Managerial Workers	M	38.8	2,058	1,260	798	52.3	964	460	504	التدريسيون والرفضة الإداريون والندراء
	F	48.8	82	42	40	63.4	71	26	45	
	T	39.2	2,140	1,302	838	53.0	1,035	486	549	
Clerical & Related Workers	M	68.4	11,618	3,668	7,950	77.9	4,805	1,061	3,744	الوظائف التنفيذية والكتابة ومن يرتبط بهم
	F	73.4	4,283	1,141	3,142	47.4	399	210	189	
	T	69.8	15,901	4,809	11,092	75.6	5,204	1,271	3,933	
Sales Workers	M	51.2	9,494	4,629	4,865	77.8	5,156	1,146	4,010	العاملون في البيع
	F	55.3	190	85	105	75.0	44	11	33	
	T	51.3	9,684	4,714	4,970	77.8	5,200	1,157	4,043	
Service Workers	M	33.4	22,098	14,717	7,381	45.1	9,031	4,956	4,075	العاملون في الخدمات
	F	18.5	4,588	3,737	851	57.4	933	397	536	
	T	30.8	26,686	18,454	8,232	46.3	9,964	5,353	4,611	
Agricultural, Animal Husbandry, Forestry Workers, Fishermen & Hunters	M	55.7	5,027	2,228	2,799	73.8	4,225	1,106	3,119	العاملون في الزراعة وتربية الحيوانات والصيد والقتص
	F	66.7	9	3	6	60.0	5	2	3	
	T	55.7	5,036	2,231	2,805	73.8	4,230	1,108	3,122	

*Exclude persons seeking work for first time

**14 years old & over

***15 years old & over

Continue Table 1.5

Division of Occupation/Sex	السنة / الجنسية								أقسام المهنة / النوع	
	Year/Nationality									
	***1981				**1971					
	% البحرينيين	الجملة Bahraini	غير البحرينيين Non-Bahraini	الجملة z Bahraini	% البحرينيين	الجملة Bahraini	غير البحرينيين Non-Bahraini	الجملة z Bahraini		
Production, Related Workers, Transport Eqpt. Operators	M	27.2	50,935	37,102	13,833	57.4	22,796	9,711	13,085	د
	F	60.4	328	130	198	82.0	50	9	41	أ
	T	27.4	51,263	37,232	14,031	57.5	22,846	9,720	13,126	ج
Miners, Quarrymen, Well Drillers & Related Workers	M	49.3	205	104	101	79.4	218	45	173	د
	F	—	—	—	—	—	—	—	—	أ
	T	49.3	205	104	101	79.4	218	45	173	ج
Transport & Communications Workers	M	62.1	10,715	4,057	6,658	78.5	4,902	1,053	3,849	د
	F	80.7	140	27	113	56.0	25	11	14	أ
	T	62.4	10,855	4,084	6,771	78.4	4,927	1,064	3,863	ج
Not Stated	M	93.0	515	36	479	93.9	1,139	69	1,070	د
	F	87.2	47	6	41	66.7	3	1	2	أ
	T	92.5	562	42	520	93.9	1,142	70	1,072	ج
Total Activities	M	40.1	123,462	73,929	49,533	63.1	56,383	20,816	35,567	د
	F	53.7	14,691	6,799	7,892	56.5	3,207	1,396	1,811	أ
	T	41.6	138,153	80,728	57,425	62.7	59,590	22,212	37,378	ج

*Exclude persons seeking work for first time

**14 years old & over

***15 years old & over

TABLE 1.6
POPULATION IN GEOGRAPHICAL REGION BY NATIONALITY
& SEX - 1981 CENSUS

Region	الجنسية / النوع									المنطقة
	Nationality/Sex			غير بحريني Non-Bahraini			بحريني Bahraini			
	جملة السكان Total Population			جملة ذكور Males			جملة إناث Females			
	جملة Total	إناث Females	ذكور Males	جملة Total	إناث Females	ذكور Males	جملة Total	إناث Females	ذكور Males	
Hidd	7,111	2,878	4,233	1,576	219	1,357	5,535	2,659	2,876	الحد
Muharraq	61,853	26,580	35,273	14,026	2,944	11,082	47,827	23,636	24,191	الحدرق
Manama	121,986	45,830	76,156	63,878	17,131	46,747	58,108	28,699	29,409	المنامة
Jidhaffs	33,693	15,617	18,076	3,946	884	3,062	29,747	14,733	15,014	جدحفص
Northern	22,117	10,128	11,989	5,401	1,763	3,638	16,716	8,365	8,351	الشمالية
Sitra	22,993	9,934	13,059	3,521	119	3,402	19,472	9,815	9,657	سيترة
Central	16,776	7,141	9,635	3,873	733	3,140	12,903	6,408	6,495	الوسطى
Isa Town	21,275	10,583	10,692	1,318	695	623	19,957	9,888	10,069	مدينة عيسى
Riffa	28,150	10,373	17,777	13,252	2,825	10,427	14,898	7,548	7,350	الرفاع
Western	14,503	6,763	7,740	1,558	177	1,381	12,945	6,586	6,359	الغربية
Hawar Islands	21	10	11	14	7	7	7	3	4	جزر حوار
Total	350,478	145,837	204,641	112,363	27,497	84,866	238,115	118,340	119,775	الجملة

TABLE 1.7

HANDICAPPED POPULATION BY SEX, CAUSE & TYPE
OF HANDICAP - 1981 CENSUS

Sex/ Cause of Handicap	إجمالي Total	نوع الإعاقة						النوع / سبب الإعاقة
		Type of Handicap						
		أخرى Other	مشلول Paralysed	متخلف عقلياً Mentally Handi- capped	فأقد لأحد أعضائه Amputee	أصم وأبكم Deaf & Dumb	أصم Deaf		كفيف Blind
Males ذكور								
Infant Birth								
Truma	571	48	80	175	28	106	46	88
Injury	362	40	47	50	95	8	11	111
Disease	1,192	157	200	155	110	28	71	471
Congenital	77	5	—	12	4	8	16	32
Not Stated	3	1	—	—	—	—	—	2
Total	2,205	251	327	392	144	150	144	704
Females إناث								
Infant Birth								
Truma	301	34	45	79	14	54	20	55
Injury	123	10	25	22	24	3	3	36
Disease	812	62	170	85	33	20	60	382
Congenital	37	2	—	12	1	3	2	14
Not Stated	—	—	—	—	—	—	—	—
Total	1,273	108	243	198	72	80	85	487
Total المجموعة								
Infant Birth								
Truma	872	82	125	254	42	160	66	143
Injury	485	50	72	72	119	11	14	147
Disease	2,004	219	370	240	143	48	131	853
Congenital	114	7	3	24	5	11	18	46
Not Stated	3	1	—	—	—	—	—	2
Total	3,478	359	570	590	309	230	229	1,191

TABLE 1.8

HOUSEHOLDS BY TYPE OF LIVING UNIT, NATIONALITY
& TYPE OF HOUSEHOLD - 1981 CENSUS

Type of Living Unit	المجملة			جنسية ونوع الأسرة						نوع الوحدة السكنية
				غير بحرينية			بحرينية			
	جملة Total	جماعية Group Quarter	خاصة Private	جملة Total	جماعية Group Quarter	خاصة Private	جملة Total	جماعية Group Quarter	خاصة Private	
Villa	4,600	93	4,507	2,371	88	2,283	2,229	5	2,224	فيلا
Flat	12,418	2,206	10,212	9,985	2,199	7,786	2,433	7	2,426	شقة
Traditional Arab	26,865	1,445	25,420	6,282	1,410	4,872	20,583	35	20,548	مسكن شعبي
Conventional	9,767	230	9,537	1,534	214	1,320	8,233	16	8,217	مسكن شرقي
Compound	3,268	1,549	1,719	3,108	1,545	1,563	160	4	156	مسكن جماعي
Other	1,880	577	1,303	1,615	572	1,043	265	5	260	أخرى
Total	58,798	6,100	52,698	24,895	6,028	18,867	33,903	72	33,831	المجملة

TABLE 1.9

HOUSING UNITS, HOUSEHOLDS & INDIVIDUALS BY REGION
& TYPE OF VEHICLES OWNED - 1981 CENSUS

Region	نوع المركبات						الأفراد Individuals	الأسر House Holds	الوحدة السكنية Housing Unit	المنطقة
	الجملة Total	أخرى Other	باص Bus	شاحنة Lorry	عربة نقل Pick-up	صلون Salon				
Hidd	961	5	—	3	51	902	7,111	1,370	1,019	الحد
Muharrag	7,733	47	36	62	376	7,212	61,853	9,833	9,241	الحرق
Manama	15,326	424	84	166	727	13,925	121,986	23,417	21,050	النامة
Jidhafs	3,474	112	13	58	377	2,914	33,693	4,723	4,140	جدحفص
Northern	2,978	59	8	22	224	2,665	22,117	3,603	3,168	الشمالية
Sitra	1,404	91	14	16	149	1,134	22,993	3,076	2,445	سترة
Central	1,854	36	16	103	191	1,508	16,776	2,654	2,217	الوسطى
Isa Town	3,843	47	18	13	116	3,649	21,275	3,456	3,403	مدينة عيسى
Riffa	4,265	61	25	48	222	3,909	28,150	4,881	4,583	لرفاع
Western	1,335	25	5	83	201	1,021	14,503	1,782	1,541	لغربية
Hawar Islands	—	—	—	—	—	—	21	3	3	جزر حوار
Off Island	—	—	—	—	—	—	320	56	—	خارج البحرين
Total	43,173	907	219	574	2,634	38,839	350,798	58,854	52,810	الجملة

TABLE 1.10

POPULATION BY NATIONALITY, AGE GROUPS, MARITAL STATUS
& SEX - 1981 CENSUS

Nationality/ Age Groups	الجنسة / الجنس		الحالة الزوجية / التزوج															
	مطلق Divorced						متزوج Married						لم يتزوج له الزوج Never Married					
	الذكور M		الإناث F		الذكور M		الإناث F		الذكور M		الإناث F		الذكور M		الإناث F			
Bahrain																		
Less than 15	19,124	9,509	9,815	1	1	—	1	1	—	37	36	19,085	9,471	9,614				
15-19	31,337	15,903	15,434	12	11	1	51	48	3	2,397	2,195	202	28,877	13,649				
20-29	44,764	22,316	22,448	139	124	15	542	420	122	22,991	16,400	8,591	21,892	7,372				
30-39	21,293	10,576	10,717	338	323	15	479	349	130	18,551	9,246	9,165	19,643	558				
40-49	17,738	9,201	8,537	1,090	1,049	41	477	331	146	15,615	7,674	7,941	15,55	447				
50+	24,865	11,841	13,224	5,600	5,064	536	860	549	311	17,710	5,817	11,893	695	211				
Total	159,121	79,146	79,975	7,180	6,872	608	2,410	1,698	712	77,261	39,468	37,793	72,270	33,408				
Non-Bahraini																		
Less than 15	2,197	1,040	1,137	—	—	—	—	—	—	2	1	2,195	1,039	1,156				
15-19	4,073	1,739	2,334	1	1	—	4	3	1	501	365	136	3,567	1,370				
20-29	40,947	8,065	32,882	26	18	8	78	52	26	19,261	5,678	13,583	21,582	3,192				
30-39	31,164	5,669	25,495	86	68	18	122	65	37	23,931	4,936	20,995	5,025	6,000				
40-49	13,504	2,391	11,113	146	114	32	98	44	54	12,201	2,110	10,091	10,599	123				
50+	5,631	1,321	4,330	474	367	107	115	41	74	4,729	858	3,871	333	55				
Total	97,536	28,225	77,311	733	568	165	417	205	212	62,625	13,948	48,677	33,761	5,504				
Total																		
Less than 15	21,321	10,549	10,772	1	1	—	1	1	—	39	37	21,280	10,510	10,770				
15-19	35,410	17,642	17,768	13	12	1	55	51	4	2,898	2,560	338	32,444	13,019				
20-29	85,713	30,381	55,330	165	142	23	620	472	148	42,252	20,778	21,474	42,674	9,689				
30-39	52,457	16,245	36,212	424	391	33	601	414	187	44,442	14,282	30,160	6,990	1,158				
40-49	31,242	11,992	19,650	1,236	1,063	73	575	375	200	27,816	9,784	18,032	1,615	270				
50+	30,516	12,962	17,554	6,074	5,431	643	975	590	385	22,439	6,675	15,764	1,028	264				
Total	266,657	99,371	157,286	7,913	7,140	773	2,827	1,903	924	139,886	53,416	86,470	106,931	36,912				

Note: Age interval "Less than 15" includes 12-15 years only

TABLE 1.11

MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1982

Age Groups	Nationality/Sex									فئات السن
	جملة السكان			غير بحريني			بحريني			
	Total Population			Non-Bahraini			Bahraini			
	جملة	اناث	ذكور	جملة	اناث	ذكور	جملة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males		
0-4	46,062	22,732	23,330	8,097	3,940	4,157	37,965	18,792	19,173	٤ - ٠
5-9	39,461	19,574	19,887	5,714	2,808	2,906	33,747	16,766	16,981	٩ - ٥
10-14	36,018	17,910	18,108	4,081	2,012	2,069	31,937	15,898	16,039	١٤ - ١٠
15-19	33,441	16,413	17,028	4,276	1,830	2,446	29,165	14,583	14,582	١٩ - ١٥
20-24	43,684	17,591	26,093	16,462	3,687	12,775	27,222	13,904	13,318	٢٤ - ٢٠
25-29	46,404	14,400	32,003	26,484	4,802	21,682	19,920	9,598	10,321	٢٩ - ٢٥
30-34	32,758	9,568	23,190	20,084	3,634	16,450	12,674	5,934	6,740	٣٤ - ٣٠
35-39	22,348	7,536	14,813	12,597	2,331	10,266	9,751	5,205	4,547	٣٩ - ٣٥
40-44	18,337	6,492	11,844	8,979	1,545	7,434	9,358	4,947	4,410	٤٤ - ٤٠
45-49	13,857	5,451	8,407	5,183	972	4,211	8,674	4,479	4,196	٤٩ - ٤٥
50-54	10,781	4,480	6,301	3,059	577	2,482	7,722	3,903	3,819	٥٤ - ٥٠
55-59	7,148	2,845	4,303	1,395	321	1,074	5,753	2,524	3,229	٥٩ - ٥٥
60-64	5,616	2,429	3,186	728	209	519	4,888	2,220	2,667	٦٤ - ٦٠
65 +	8,175	3,895	4,278	745	284	461	7,430	3,611	3,817	+ ٦٥
TOTAL	364,089	151,316	212,772	117,885	28,952	88,933	246,204	122,364	123,839	الجملة

TABLE 1.12

MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1983

Age Group	Nationality/Sex									فئات السن
	جملة السكان			غير بحريني			بحريني			
	Total Population			Non-Bahraini			Bahraini			
	جملة	اناث	ذكور	جملة	اناث	ذكور	جملة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males		
0-4	47,395	23,389	24,007	8,469	4,121	4,348	38,926	19,268	19,659	٤ - ٠
5-9	40,577	20,127	20,450	5,976	2,937	3,039	34,601	17,190	17,411	٩ - ٥
10-14	37,015	18,405	18,610	4,270	2,105	2,165	32,745	16,300	16,445	١٤ - ١٠
15-19	34,375	16,866	17,509	4,472	1,914	2,558	29,903	14,952	14,951	١٩ - ١٥
20-24	45,130	18,112	27,018	17,219	3,856	13,363	27,911	14,256	13,655	٢٤ - ٢٠
25-29	48,125	14,863	33,262	27,701	5,022	22,679	20,424	9,841	10,583	٢٩ - ٢٥
30-34	34,004	9,886	24,118	21,009	3,802	17,207	12,995	6,084	6,911	٣٤ - ٣٠
35-39	23,175	7,774	15,401	13,177	2,438	10,739	9,998	5,336	4,662	٣٩ - ٣٥
40-44	18,987	6,689	12,298	9,392	1,616	7,776	9,595	5,073	4,522	٤٤ - ٤٠
45-49	14,315	5,608	8,707	5,421	1,016	4,405	8,894	4,592	4,302	٤٩ - ٤٥
50-54	11,118	4,605	6,512	3,200	603	2,597	7,918	4,002	3,915	٥٤ - ٥٠
55-59	7,358	2,924	4,434	1,459	336	1,123	5,899	2,588	3,311	٥٩ - ٥٥
60-64	5,774	2,495	3,279	763	219	544	5,011	2,276	2,735	٦٤ - ٦٠
65 +	8,396	4,000	4,395	778	296	482	7,618	3,704	3,913	+ ٦٥
TOTAL	375,742	155,743	219,999	123,306	30,281	93,025	252,436	125,462	126,974	الجملة

TABLE 1.13

MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1984

Age Groups	الجنسية/النوع									فئات السن
	جملة السكان			غير بحريني			بحريني			
	Total Population			Non-Bahraini			Bahraini			
	جملة	اناث	ذكور	جملة	اناث	ذكور	جملة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males		
0-4	48,754	24,059	24,695	8,842	4,303	4,539	39,912	19,756	20,156	٤ - ٠
5-9	41,716	20,692	21,024	6,239	3,066	3,173	35,477	17,626	17,851	٩ - ٥
10-14	38,031	18,910	19,121	4,457	2,197	2,260	33,574	16,713	16,861	١٤ - ١٠
15-19	35,330	17,330	18,001	4,670	1,999	2,671	30,660	15,331	15,330	١٩ - ١٥
20-24	46,992	18,641	27,951	17,975	4,025	13,950	28,617	14,616	14,001	٢٤ - ٢٠
25-29	49,860	15,334	34,526	28,919	5,243	23,676	20,941	10,091	10,850	٢٩ - ٢٥
30-34	35,255	10,207	25,049	21,932	3,969	17,963	13,323	6,238	7,086	٣٤ - ٣٠
35-39	24,008	8,017	15,991	13,757	2,546	11,211	10,251	5,471	4,780	٣٩ - ٣٥
40-44	19,643	6,888	12,755	9,805	1,687	8,118	9,838	5,201	4,637	٤٤ - ٤٠
45-49	14,779	5,769	9,010	5,660	1,061	4,599	9,119	4,708	4,411	٤٩ - ٤٥
50-54	11,459	4,734	6,726	3,341	630	2,711	8,118	4,104	4,015	٥٤ - ٥٠
55-59	7,571	3,003	4,568	1,523	350	1,173	6,048	2,653	3,395	٥٩ - ٥٥
60-64	5,935	2,563	3,372	797	229	568	5,138	2,334	2,804	٦٤ - ٦٠
65-69	8,622	4,107	4,516	812	309	503	7,810	3,798	4,013	+ ٦٥
TOTAL	387,556	160,252	227,303	128,729	31,614	97,115	258,827	128,638	130,188	الجملة

TABLE 1.14

MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1985

Age Groups	الجنسية/النوع									فئات السن
	جملة السكان			غير بحريني			بحريني			
	Total Population			Non-Bahraini			Bahraini			
	جملة	اناث	ذكور	جملة	اناث	ذكور	جملة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males		
0-4	50,137	24,740	25,397	9,215	4,484	4,731	40,922	20,256	20,666	٤ - ٠
5-9	42,877	21,267	21,610	6,502	3,195	3,307	36,375	18,072	18,303	٩ - ٥
10-14	39,069	19,426	19,643	4,645	2,290	2,355	34,424	17,136	17,288	١٤ - ١٠
15-19	36,303	17,802	18,501	4,866	2,083	2,783	31,437	15,719	15,718	١٩ - ١٥
20-24	48,075	19,181	28,893	18,733	4,195	14,538	29,342	14,986	14,355	٢٤ - ٢٠
25-29	51,608	15,809	35,799	30,137	5,463	24,674	21,471	10,346	11,125	٢٩ - ٢٥
30-34	36,517	10,532	25,985	22,856	4,136	18,720	13,661	6,396	7,265	٣٤ - ٣٠
35-39	24,847	8,263	16,584	14,336	2,653	11,683	10,511	5,610	4,901	٣٩ - ٣٥
40-44	20,304	7,091	13,213	10,217	1,758	8,459	10,087	5,333	4,754	٤٤ - ٤٠
45-49	15,248	5,932	9,315	5,898	1,105	4,793	9,350	4,827	4,522	٤٩ - ٤٥
50-54	11,805	4,863	6,941	3,481	656	2,825	8,324	4,207	4,116	٥٤ - ٥٠
55-59	7,788	3,085	4,703	1,587	365	1,222	6,201	2,720	3,481	٥٩ - ٥٥
60-64	6,097	2,631	3,466	829	238	591	5,268	2,393	2,875	٦٤ - ٦٠
65+	8,854	4,214	4,638	847	322	525	8,007	3,892	4,113	+ ٦٥
TOTAL	399,528	164,838	234,690	134,149	32,943	101,206	265,379	131,895	133,484	الجملة

TABLE 1.15

MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1986

Age Groups	Nationality/Sex									فئات السن
	جملة السكان			غير بحريني			بحريني			
	جملة	اناث	ذكور	جملة	اناث	ذكور	جملة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males	الفئات السن	
0-4	51,545	25,433	26,112	9,587	4,665	4,922	41,958	20,768	21,190	٤ - ٠
5-9	44,060	21,853	22,207	6,764	3,324	3,440	37,296	18,529	18,767	٥ - ٠
10-14	40,127	19,951	20,176	4,832	2,382	2,450	35,295	17,569	17,726	١٤ - ١٠
15-19	37,296	18,284	19,012	5,063	2,167	2,896	32,233	16,117	16,116	١٩ - ١٥
20-24	49,573	19,730	29,843	19,489	4,365	15,124	30,084	15,365	14,719	٢٤ - ٢٠
25-29	53,366	16,291	37,075	31,353	5,684	25,669	22,013	10,607	11,406	٢٩ - ٢٥
30-34	37,785	10,861	26,924	23,779	4,304	19,475	14,006	6,557	7,449	٣٤ - ٣٠
35-39	25,690	8,512	17,178	14,914	2,760	12,154	10,776	5,752	5,024	٣٩ - ٣٥
40-44	20,972	7,297	13,675	10,630	1,829	8,801	10,342	5,468	4,874	٤٤ - ٤٠
45-49	15,723	6,100	9,623	6,136	1,150	4,986	9,587	4,950	4,637	٤٩ - ٤٥
50-54	12,156	4,997	7,159	3,622	683	2,939	8,534	4,314	4,220	٥٤ - ٥٠
55-59	8,009	3,169	4,840	1,652	380	1,272	6,357	2,789	3,568	٥٩ - ٥٥
60-64	6,264	2,701	3,563	863	248	615	5,401	2,453	2,948	٦٤ - ٦٠
65+	9,094	4,329	4,765	881	335	546	8,213	3,994	4,219	+ ٦٥
TOTAL	411,660	169,508	242,152	139,565	34,276	105,289	272,095	135,232	136,863	الجملة

TABLE 1.16

MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1987

Age Groups	Nationality/Sex									فئات السن
	جملة السكان			غير بحريني			بحريني			
	جملة	اناث	ذكور	جملة	اناث	ذكور	جملة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males	الفئات السن	
0-4	52,408	25,862	26,546	9,465	4,606	4,859	42,943	21,256	21,687	٤ - ٠
5-9	44,851	22,246	22,605	6,679	3,282	3,397	38,172	18,964	19,208	٥ - ٠
10-14	40,895	20,334	20,561	4,771	2,352	2,419	36,124	17,982	18,142	١٤ - ١٠
15-19	37,987	18,634	19,353	4,998	2,139	2,859	32,989	16,495	16,494	١٩ - ١٥
20-24	50,031	20,035	29,996	19,241	4,309	14,932	30,790	15,726	15,064	٢٤ - ٢٠
25-29	53,486	16,468	37,018	30,956	5,612	25,344	22,530	10,856	11,674	٢٩ - ٢٥
30-34	37,812	10,960	26,852	23,477	4,249	19,228	14,335	6,711	7,624	٣٤ - ٣٠
35-39	25,754	8,612	17,142	14,725	2,725	12,000	11,029	5,887	5,142	٣٩ - ٣٥
40-44	21,080	7,403	13,677	10,496	1,807	8,689	10,584	5,596	4,988	٤٤ - ٤٠
45-49	15,870	6,201	9,669	6,058	1,135	4,923	9,812	5,066	4,746	٤٩ - ٤٥
50-54	12,310	5,089	7,221	3,576	674	2,902	8,734	4,415	4,319	٥٤ - ٥٠
55-59	8,136	3,229	4,907	1,630	375	1,255	6,506	2,854	3,652	٥٩ - ٥٥
60-64	6,381	2,756	3,625	853	245	608	5,528	2,511	3,017	٦٤ - ٦٠
65+	9,275	4,418	4,857	870	331	539	8,405	4,087	4,318	+ ٦٥
TOTAL	416,275	172,247	244,028	137,794	33,841	103,953	278,481	138,406	140,075	الجملة

TABLE 1.17

MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1988

Age Groups	الجنسية/النوع									فئات السن
	جملة السكان			غير بحريني			بحريني			
	جملة	اناث	ذكور	جملة	اناث	ذكور	جملة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males		
0 - 4	53,293	26,300	26,993	9,343	4,546	4,797	43,950	21,754	22,196	٤ - ٠
5 - 9	45,661	22,649	23,012	6,593	3,240	3,353	39,068	19,409	19,659	٩ - ٥
10 - 14	41,683	20,727	20,956	4,711	2,323	2,388	36,972	18,404	18,568	١٤ - ١٠
15 - 19	38,697	18,994	19,703	4,934	2,112	2,822	33,763	16,882	16,881	١٩ - ١٥
20 - 24	50,506	20,348	30,158	18,993	4,253	14,740	31,513	16,095	15,418	٢٤ - ٢٠
25 - 29	53,617	16,651	36,966	30,558	5,540	25,018	23,059	11,111	11,948	٢٩ - ٢٥
30 - 34	37,847	11,063	26,784	23,175	4,194	18,981	14,672	6,869	7,803	٣٤ - ٣٠
35 - 39	25,825	8,716	17,109	14,537	2,691	11,846	11,288	6,025	5,263	٣٩ - ٣٥
40 - 44	21,191	7,509	13,682	10,359	1,782	8,577	10,832	5,727	5,105	٤٤ - ٤٠
45 - 49	16,021	6,305	9,716	5,980	1,121	4,859	10,041	5,184	4,857	٤٩ - ٤٥
50 - 54	12,468	5,184	7,284	3,529	665	2,864	8,939	4,519	4,420	٥٤ - ٥٠
55 - 59	8,268	3,291	4,977	1,609	370	1,239	6,659	2,921	3,738	٥٩ - ٥٥
60 - 64	6,499	2,812	3,687	842	242	600	5,657	2,570	3,087	٦٤ - ٦٠
65 +	9,464	4,512	4,952	859	327	532	8,605	4,185	4,420	+ ٦٥
TOTAL	421,040	175,061	245,979	136,022	33,406	102,616	285,018	141,655	143,363	الجملة

TABLE 1.18

MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1989

Age Groups	الجنسية/النوع									فئات السن
	جملة السكان			غير بحريني			بحريني			
	جملة	اناث	ذكور	جملة	اناث	ذكور	جملة	اناث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males		
0 - 4	54,203	26,752	27,451	9,221	4,487	4,734	44,982	22,265	22,717	٤ - ٠
5 - 9	46,492	23,063	23,429	6,507	3,198	3,309	39,985	19,865	20,120	٩ - ٥
10 - 14	42,488	21,128	21,360	4,649	2,292	2,357	37,839	18,839	19,003	١٤ - ١٠
15 - 19	39,424	19,362	20,062	4,869	2,084	2,785	34,555	17,278	17,277	١٩ - ١٥
20 - 24	50,999	20,672	30,327	18,747	4,199	14,548	32,252	16,473	15,779	٢٤ - ٢٠
25 - 29	53,761	16,840	36,921	30,160	5,468	24,692	23,601	11,372	12,229	٢٩ - ٢٥
30 - 34	37,889	11,170	26,719	22,873	4,140	18,733	15,016	7,030	7,986	٣٤ - ٣٠
35 - 39	25,901	8,822	17,079	14,347	2,655	11,692	11,554	6,167	5,387	٣٩ - ٣٥
40 - 44	21,312	7,621	13,691	10,225	1,759	8,466	11,087	5,862	5,225	٤٤ - ٤٠
45 - 49	16,179	6,412	9,767	5,902	1,106	4,796	10,277	5,306	4,971	٤٩ - ٤٥
50 - 54	12,633	5,282	7,351	3,484	657	2,827	9,149	4,625	4,524	٥٤ - ٥٠
55 - 59	8,405	3,356	5,049	1,589	366	1,223	6,816	2,990	3,826	٥٩ - ٥٥
60 - 64	6,620	2,868	3,752	830	238	592	5,790	2,630	3,160	٦٤ - ٦٠
65 +	9,652	4,603	5,049	847	322	525	8,805	4,281	4,524	+ ٦٥
TOTAL	425,958	177,951	248,007	134,250	32,971	101,279	291,708	144,980	146,728	الجملة

TABLE 1.19
MEDIUM PROJECTIONS OF THE POPULATIONS BY AGE GROUPS,
NATIONALITY & SEX 1990

Age Groups	Nationality/Sex									فئات السن
	جملة السكان			غير بحريني			بحريني			
	Total Population			Non-Bahraini			Bahraini			
	جملة	انث	ذكور	جملة	انث	ذكور	جملة	انث	ذكور	
Total	Females	Males	Total	Females	Males	Total	Females	Males		
0 - 4	55,139	27,216	27,923	9,100	4,428	4,672	46,039	22,788	23,251	٤ - ٠
5 - 9	47,345	23,487	23,858	6,422	3,156	3,266	40,923	20,331	20,592	٩ - ٥
10 - 14	43,315	21,539	21,776	4,587	2,261	2,326	38,728	19,278	19,450	١٤ - ١٠
15 - 19	40,173	19,741	20,432	4,806	2,057	2,749	35,367	17,684	17,683	١٩ - ١٥
20 - 24	51,509	21,003	30,506	18,499	4,143	14,356	33,010	16,860	16,150	٢٤ - ٢٠
25 - 29	53,916	17,035	36,881	29,762	5,396	24,366	24,154	11,639	12,515	٢٩ - ٢٥
30 - 34	37,940	11,280	26,660	22,571	4,085	18,486	15,369	7,195	8,174	٣٤ - ٣٠
35 - 39	25,981	8,931	17,050	14,157	2,620	11,537	11,824	6,311	5,513	٣٩ - ٣٥
40 - 44	21,437	7,735	13,702	10,090	1,736	8,354	11,347	5,999	5,348	٤٤ - ٤٠
45 - 49	16,344	6,523	9,821	5,825	1,092	4,733	10,519	5,431	5,088	٤٩ - ٤٥
50 - 54	12,802	5,382	7,420	3,438	648	2,790	9,364	4,734	4,630	٥٤ - ٥٠
55 - 59	8,543	3,421	5,122	1,568	361	1,207	6,975	3,060	3,915	٥٩ - ٥٥
60 - 64	6,745	2,927	3,818	819	235	584	5,926	2,692	3,234	٦٤ - ٦٠
65 +	9,846	4,699	5,147	836	318	518	9,010	4,381	4,629	+ ٦٥
TOTAL	431,035	180,919	250,116	132,480	32,536	99,944	298,555	148,383	150,172	الجملة

SECTION TWO: VITAL STATISTICS

Table 2.1
VITAL EVENTS AS REPORTED TO THE PUBLIC
HEALTH DIRECTORATE, BAHRAIN 1987

Indicator	Numbers
Total population	416275*
Total reported deaths	1584
Total reported births	12723
Total live births	12566
Total still births	157
Premature births	757
Twin sets	98
Triplets sets	3
Congenital abnormalities	501
Infants deaths < 7 days	199
7 days - < 4 weeks	22
4 weeks - < 1 year	38
Maternal deaths	5

* Source: The Central Statistics Organization

Table 2.2
VITAL STATISTICS RATES AS ESTIMATED FROM
REPORTED DATA, BAHRAIN 1987

Indicator	Rate & Ratio
Crude birth rate	30.2/1000 population
Crude death rate*	3.8/1000 population
Perinatal mortality rate	28.0/1000 births
Neonatal mortality rate	17.6/1000 live births
Post neonatal mortality rate	3.1/1000 live births
Infant mortality rate	20.6/1000 live births
Still birth rate	12.3/1000 live births
Premature birth rate	60.2/1000 live births
Maternal mortality rate	.4/1000 live births
Sex ratio at birth (Male/Female)	104.3

* Death is under reported

Table 2.3
REPORTED BIRTHS BY PLACE OF OCCURRENCE
FOR THE YEAR - 1987

Place of Occurrence	Number	%
Governmental Hospitals		
Salmaniya M.C. M.U.	5169	40.6
Muharrag Mat. Hospital	1653	13.0
Riffa Mat. Hospital	206	1.6
Sitra Mat. Hospital	417	3.3
Jidhafs Mat. Hospital	2065	16.2
Military Hospital	1481	11.6
W.Region Mat. Hospital	299	2.4
Born enroute to the Hospitals	248	2.0
Sub Total	11538	90.7
Private Hospital		
American Mission Hospital	226	1.8
Awali Hospital	150	1.2
Bahrain Int. Hospital	404	3.2
Sub Total	780	6.1
Home Deliveries	252	2.0
Deliveries Abroad	153	1.2
T O T A L	12723	100.0

Table 2.4

REPORTED BIRTHS BY SEX & PLACE OF BIRTH
PUBLIC HEALTH, BAHRAIN 1987

Place of Birth	Sex		Total
	Male	Female	
Governmental Hospital	5008	4801	9809
Military Hospital	774	707	1481
American Mission Hospital	114	112	226
Awali Hospital	85	65	150
International Hospital	207	197	404
Home	116	136	252
Abroad	77	76	153
Born enroute to the Hospital	114	134	248
T O T A L	6495	6228	12723

Table 2.5
REGISTERED BIRTHS BY MONTH AND PLACE OF DELIVERY - 1987

Place of Delivery	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Salmaniya M.C. M.U.	148	354	308	354	347	415	360	452	451	465	418	432	4504
Muharrag Mat. Hospital	73	105	116	126	105	122	120	143	155	154	133	158	1510
Riffa Mat. Hospital	11	7	14	15	13	16	17	14	16	18	23	20	184
Sitra Mat. Hospital	22	34	27	24	21	28	29	47	32	38	40	43	385
W.Region Mat. Hospital	20	28	16	23	19	19	16	25	28	28	29	28	279
Jidhafs Mat. Hospital	83	135	138	156	138	141	164	180	185	180	200	219	1919
Military Hospital	27	81	86	112	123	103	109	111	133	164	130	157	1336
Total Govt. Hospitals	384	744	705	810	766	844	815	972	1000	1047	973	1057	10117
American Mission Hosp.	6	8	15	12	13	14	15	22	21	22	21	25	194
Awali Hospital	6	11	7	15	6	10	13	6	9	14	19	17	133
Bahrain Int. Hospital	20	19	31	30	21	41	37	36	22	22	38	36	367
Total Priv. Hospitals	32	38	53	57	40	65	65	64	52	72	78	78	694
Home Deliveries	20	20	15	18	16	30	24	25	28	24	14	18	252
Car deliveries	4	4	4	6	3	3	—	5	—	8	3	6	49
Deliveries abroad	—	2	5	17	11	16	20	20	16	18	13	15	153
Born before 1987	700	312	278	172	104	82	93	39	119	111	59	66	2135
T O T A L	1140	1120	1060	1080	940	1040	1020	1120	1220	1280	1140	1240	13400

Table 2.6
DISTRIBUTION OF REGISTERED BIRTH BY SEX, NATIONALITY
AND PLACE OF BIRTH FOR 1987

Place of Delivery	Bahraini		Non-Bahraini		Total	
	Male	Female	Male	Female	Male	Female
Sulmaniya M.C. M.U.	1619	1612	3211	636	1273	4504
Muharrag Mat. Hospital	605	561	1166	177	344	728
Riffa Mat. Hospital	69	75	144	25	15	90
Sitra Mat. Hospital	198	183	381	3	4	184
W.Region Mat. Hospital	148	129	277	1	2	149
Jidhafs Mat. Hospital	920	912	1832	45	42	87
Military Hospital	425	394	819	244	517	695
Total Govt. Hospitals	3984	3866	7850	1161	1106	638
American Mission Hospital	48	61	109	42	85	90
Awali Hospital	27	16	43	49	41	90
Bahrain Int. Hospital	148	122	270	42	55	97
Total Priv. Hospitals	223	199	422	133	272	356
Home Deliveries	104	126	230	12	10	22
Car Deliveries	17	29	46	3	—	116
Deliveries abroad	77	76	153	—	3	29
Born before 1987	697	1015	1712	237	186	423
T O T A L	5102	5311	10413	1546	1441	2987
						6548
						13400

Table 2.7
REPORTED DEATHS BY PLACE, SEX AND
NATIONALITY FOR THE YEAR 1987

Place	Bahraini			Non-Bahraini			Total		
	M	F	T	M	F	T	M	F	T
Hospitals	455	352	807	90	41	131	545	393	938
Public Security	154	95	249	71	3	74	225	98	323
Home	110	135	245	8	8	16	118	143	261
Abroad	39	23	62	—	—	—	39	23	62
T O T A L	758	605	1363	169	52	221	927	657	1584

Table 2.8
REGISTERED DEATHS BY PLACE, SEX
AND NATIONALITY FOR THE YEAR 1987

Place	Bahraini			Non-Bahraini			Total		
	M	F	T	M	F	T	M	F	T
Hospitals	299	229	528	81	35	116	380	264	644
Public Security	86	46	132	84	6	90	170	52	222
Home	48	67	115	4	2	6	52	69	121
Abroad	25	11	36	—	—	—	25	11	36
Death before 1987	40	16	56	6	—	6	46	16	62
T O T A L	498	369	867	175	43	218	673	412	1085

Table 2.9

REPORTED DEATHS BY SEX, AGE AND NATIONALITY
BAHRAIN, 1987

Age	Bahraini		Non-Bahraini		Total	
	Male	Female	Male	Female	Male	Female
	Total	Total	Total	Total	Total	Total
Less 1 week	63	72	21	23	44	95
1 week - < 1 month	51	18	2	2	4	9
1 month - < 1 year	16	14	4	2	4	22
1 - 4	16	14	30	7	4	13
5 - 9	14	10	24	1	9	18
10 - 14	12	10	22	—	23	16
15 - 19	7	4	11	—	12	10
20 - 24	14	9	6	1	7	5
25 - 29	15	14	29	4	18	20
30 - 34	15	11	24	3	27	18
35 - 39	15	7	19	2	30	8
40 - 44	9	4	12	1	32	4
45 - 49	34	19	53	1	15	24
50 - 54	50	38	69	1	20	43
55 - 59	60	64	85	12	24	20
60 - 64	82	59	141	7	61	32
65 - 69	75	44	119	2	77	44
70 - 74	83	65	148	3	2	89
75 & over	179	177	356	8	5	86
T O T A L	758	605	1363	169	52	221
						927
						657
						1584

Table 2.10
REPORTED DEATHS BY INTERNATIONAL CLASSIFICATION OF CAUSE OF DEATH, NATIONALITY & SEX
BAHRAIN, 1987

Int. Disease Code	Cause of Death	Nationality / Sex											
		Bahraini			Non-Bahraini			Total					
		M	F	%	M	F	%	M	F	%			
											No	No	No
001-139	Infectious & parasitic diseases	11	9	20	1.5	1	—	1	0.5	12	9	21	1.3
140-239	Neoplasms	92	54	146	10.7	4	1	5	2.3	96	55	151	9.5
240-279	Endocrine, Nutritional & Metabolic & Immunity disorders	30	31	61	4.5	7	1	8	3.6	37	32	69	4.3
280-289	Diseases of the blood & bloodforming organs	5	3	8	0.6	2	2	4	1.8	7	5	12	0.8
290-319	Mental disorder	1	1	2	0.14	—	—	—	—	—	1	1	0.1
320-389	Diseases of the nervous system & sense organs	8	3	11	0.8	—	—	—	—	8	3	11	0.7
390-459	Diseases of the circulatory system	225	158	383	28.0	77	9	86	38.9	302	167	469	29.6
460-519	Diseases of the respiratory system	47	25	72	5.3	7	3	10	4.5	54	28	82	5.2
520-579	Diseases of the digestive system	20	15	35	2.6	1	—	1	0.5	21	15	36	2.3
580-629	Disease of genitourinary	11	23	34	2.5	—	—	—	—	11	23	34	2.1
630-679	Complications of pregnancy, childbirth & the puerperium	—	1	1	0.07	—	1	1	0.5	—	2	2	0.1

Continue Table 2.10

Int. Disease Code	Cause of Death	Nationality / Sex													
		Bahraini						Non-Bahraini						Total	
		M	F	Total		M	F	Total		M	F	Total			
				No	%			No	%			No	%		
680-709	Diseases of the skin & subcutaneous tissue	8	13	21	1.5	-	-	-	-	8	13	21	1.3		
740-759	Congenital anomalies	21	26	47	3.4	6	5	11	5.0	27	31	58	3.7		
760-779	Certain conditions originating in the perinatal period	69	56	125	9.2	16	17	33	14.9	85	73	158	10.0		
780-799	Symptoms, sign & ill-defined conditions	146	166	312	22.9	13	9	22	10.0	159	175	334	21.0		
800-999	Injury & poisoning	64	21	85	6.2	35	4	39	17.6	99	25	124	7.8		
T O T A L		758	605	1363	100.0	169	52	221	100.0	927	657	1584	100.0		

Table 2.11
REPORTED DEATHS BY INTERVENTIONAL CLASSIFICATION OF CAUSE OF DEATH AND AGE GROUPS
BAHRAIN, 1967

Int. Disease Code	Cause of Death	Age Group																			
		<1 Week	1 wk - <1 mt	1 mt - <1 yr	1 yr - 4 yrs	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 +	
001-139	Infectious & parasitic diseases	-	-	1	2	2	-	-	-	-	-	-	2	1	-	1	4	2	1	5	21
140-239	Neoplasms	-	-	-	1	1	3	-	4	3	1	3	3	13	13	16	25	17	17	31	151
240-279	Endocrine, Nutritional & Metabolic & Immunity disorders	-	-	1	-	-	-	-	-	-	-	-	-	3	5	8	10	9	12	21	69
280-289	Diseases of the blood & bloodforming organs	-	1	2	-	-	1	-	1	2	1	1	-	-	3	-	-	-	-	-	12
290-319	Mental disorder	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2
320-389	Diseases of the nervous system & sense organs	-	1	1	4	1	-	-	1	-	-	1	-	-	-	-	-	-	1	-	11
390-459	Diseases of the circulatory system	-	-	4	3	3	2	1	7	18	17	13	33	42	37	51	40	58	140	469	
460-519	Diseases of the respiratory system	-	1	4	3	1	-	-	1	3	2	1	2	-	5	12	7	11	28	82	
520-579	Diseases of the digestive system	-	2	-	1	-	-	1	3	-	-	1	4	2	3	5	4	5	5	36	
580-629	Diseases of genitourinary	-	1	-	-	-	-	-	1	-	-	1	2	1	3	3	6	7	9	34	
630-679	Complications of pregnancy, childbirth & the puerperium	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2

Continue Table 2.11

Int. Disease Code	Cause of Death	Age Group														TOTAL					
		< 1 week	1wk-<1mt	1mt-<1yr	1yr-4yrs	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54		55-59	60-64	65-69	70-75	75+
680-709	Diseases of the skin & subcutaneous tissue	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	3	4	5	7	21
710-739	Diseases of the musculoskeletal system & connective tissue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	33	3	13	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58
760-779	Certain conditions originating in the perinatal period	136	13	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	158
780-799	Symptoms, signs & ill-defined conditions	29	2	6	3	3	8	3	7	10	2	3	5	11	12	18	32	28	34	118	334
800-999	Injury and poisoning	-	-	1	11	13	7	6	14	18	12	14	2	4	1	5	6	3	3	4	124
T O T A L		199	22	38	39	25	22	12	30	47	38	41	28	73	79	97	151	121	153	369	1584

SECTION THREE: PUBLIC HEALTH

Table 3.1
REPORTED CASES OF NOTIFIABLE COMMUNICABLE DISEASES
IN BAHRAIN , (1983 - 1987)

Diseases	1983	1984	1985	1986	1987	Diff. 1987-1986
Typhoid Fever	58	157	65	51	68	+17
Paratyphoid Fever	7	10	11	12	239	+227
Other Salmonella Infec.	227	160	165	239	231	-8
Shigellosis	179	207	233	163	180	+17
Amoebiasis	54	52	41	44	49	+5
Viral Hepatitis	224	190	289	355	167	-188
Food Poisoning (Inf.&Intox.)	6	21	64	104	122	+18
Poliomyelitis	-	-	-	-	-	-
Streptococcal Sore Throat	261	312	218	222	253	+31
Diphtheria	-	-	-	-	-	-
Whooping Cough	33	15	7	1	10	+9
Meningococcal Infection	4	4	6	3	27	+24
Other Meningitis	21	10	20	34	50	+16
Pulmonary TB	215	175	160	94	90	-4
Non-Pulmonary TB	17	33	34	62	30	-32
Chickenpox	2337	3550	1473	1305	6487	+5182
Mumps	2214	1852	1055	4526	2448	-2078
Influenza	4426	4475	4649	7540	4245	-3295
Measles	438	1134	1910	97	22	-75
Rubella	200	117	144	68	183	+115
Syphilis & its Sequelae	36	40	64	33	11	-22
Out of Which, New Cases	32	31	55	27	11	-16
Gonococcal Infection	445	542	529	595	639	+44
Leprosy	11	12	10	11	7	-4
Tetanus	1	1	-	-	1	+1
Trachoma (Active)	16	4	2	-	9	+9
Malaria (P.Vivax)	297	346	314	243	161	-82
Malaria (P.Falciparum)	6	20	13	11	7	-4

Table 3.2
 REPORTED CASES OF SELECTED COMMUNICABLE DISEASES
 IN BAHRAIN, 1987

Diseases	Cases Reported In 1986	Cases Reported In 1987	Diff. 1987-1986
Typhoid Fever	51 (55%)	68 (60%)	+17
Paratyphoid Fever	12 (42%)	239 (4%)	+227
Viral Hepatitis	355 (17%)	167 (37%)	-188
Malaria	327 (100%)	168 (100%)	-159
Pulmonary Tuberculosis	94 (83%)	90 (73%)	-4
Tuberculosis Other Forms	62 (69%)	30 (70%)	-32

Table 3.3
 IMMUNIZATIONS CARRIED OUT IN 1987 & PLACE OF IMMUNIZATION IN BAHRAIN

Type of Vaccine	Place of Vaccination					Total
	Health Centers	Schools	Public Health Dir.	Hospitals Private Clinics	Total	
D P T	49747	-	-	1	4418	54166
Oral Polio	53999	-	-	12	4496	58507
DT & TD (Adult Type)	4631	-	29	706	5366	5366
MMR	22910	-	33	1191	24134	24134
Measles	9036	-	-	886	9922	9922
Rubella	-	3117	-	18	2	3137
Tetanus Toxoid	34881	-	586	785	36252	36252
B C G	653	13233	-	23	736	14645
Cholera	-	-	1294	3	1297	1297
Typhoid	1694	-	30489	29	32212	32212
Yellow Fever	-	-	933	-	933	933
Meningococcal	132322	-	31616	-	11560	175498

Table 3.4

DISTRIBUTION OF SELECTED DISEASES BY AGE GROUP AND RATE/10,000 POPULATION, BAHRAIN, 1987

Age Groups In Years	Population 1987 Estimates	Typhoid Fever		Paratyphoid Fever		Shigellosis		Salmonellosis		Viral Hepatitis	
		Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
0 - 4	52408	10	1.9	5	0.95	85	16.0	109	20.8	21	4.0
5 - 14	85746	25	2.9	77	8.9	30	3.5	27	3.1	40	4.7
15 - 24	88018	11	1.2	83	9.4	13	1.5	22	2.5	36	4.1
25 - 34	91298	19	2.1	50	5.5	25	2.7	44	4.5	41	4.5
35 - 44	46634	3	0.6	13	2.8	12	2.6	12	2.6	17	3.6
45 - 54	28180	0	0	10	3.5	5	1.8	11	3.9	9	3.1
55 - 64	14517	0	0	1	0.7	5	3.4	3	2.0	2	1.3
65 +	9275	0	0	0	0	5	5.4	3	3.2	1	1.0
TOTAL	416275	68	1.6	239	5.7	180	4.3	231	5.5	167	4.0

Table 3.5

DISTRIBUTION OF CERTAIN SELECTED DISEASES BY REGION AND RATE/10,000 POPULATION, BAHRAIN, 1987

Area Of Residence	Population 1987 Estimates	Typhoid Fever		Paratyphoid Fever		Shigellosis		Salmonellosis		Viral Hepatitis		Pulmonary TB		Other Forms Of TB	
		Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Hiddi	7909	-	-	2	2.5	1	1.3	8	10.1	3	3.8	1	1.3	1	1.3
Muharrag	72057	8	1.1	12	1.7	22	3.1	35	4.9	20	2.8	15	2.1	6	0.8
Manama	152398	25	1.6	29	1.9	43	2.8	80	5.2	53	3.5	29	1.9	12	0.8
Jidhafs	30888	2	0.6	34	11.0	20	6.5	20	6.5	14	4.5	4	1.3	1	0.3
N.Region	22978	3	1.3	20	8.7	17	7.4	15	6.5	6	2.6	5	2.2	1	0.4
Sitra	30000	10	3.3	117	39.0	10	3.3	16	5.3	23	7.7	10	3.3	3	1.0
M.Region	17401	-	-	6	3.4	9	5.2	5	2.9	11	6.3	2	1.1	3	1.7
Isa Town	31262	1	0.3	8	2.6	18	5.8	14	4.5	19	6.1	5	1.6	-	-
Riffa	35217	7	1.9	6	1.7	18	5.1	23	6.5	15	4.3	14	3.9	2	0.6
W.Region	11489	11	9.6	1	0.9	17	14.8	10	8.7	1	0.9	4	3.5	1	0.9
Hamad Town	20439	1	0.5	4	1.9	5	2.4	5	2.4	2	0.9	1	0.5	-	-
TOTAL	416275	68	1.6	239	5.7	180	4.3	231	5.5	167	4.0	90	2.2	30	0.7

Table 3.6

RESULTS OF BACTERIOLOGICAL AND CHEMICAL TESTS DONE ON WATER SAMPLES BY CATEGORY OF WATER SOURCE (1986 - 1987)

Source	1986		1987	
	No. Of Samples	% Satisfactory	No. Of Samples	% Satisfactory
Public Water	1519	90.9	1675	86.7
Demineralized water	961	90.5	882	92.6
Schools, Hospitals, Hotels & Others	2693	95.6	2655	95.0
T O T A L	5163	93.3	5212	93.1

Table 3.7

AMOUNTS OF OILS & PESTICIDES USED TO CONTROL INSECTS AND RODENTS, BAHRAIN (1985 - 1987)

Pesticides & Chemicals	Unit	Quantity		
		1985	1986	1987
I. Larvicidal Oils & Chemicals				
Mixed Larvicidal Oil	Lit	982,600	780,000	840,000
Synthetic Pyrethroids(Oil soluble)	Lit	520	500	520
Synthetic Pyrethroids(water soluble)	Lit	-	205	300
Triton x45 (spreader)	Lit	600	780	600
Abate Granules 1%	Kg	550	575	1000
Abate 50% E.C.	Kg	-	80	540
II. Insecticides for Adult Mosquitoes				
Malathion 50% w.p.	Kg	1405	1380	175
Synthetic Pyrethroid(Oil soluble)	Lit	1400	2020	1660
U.L.V. concentrate	Lit	1020	1480	1945
III. Insecticides for flies & Creeping Insects				
Propoxur 20% E.C.	Lit	41	154	158
Fly Bait	Kg	802	836	961
Cocpex 25% w.p.	Kg	1330	1320	1950
Cockroaches & ants dusting powder	Kg	3475	5450	5800
IV. Rodenticides				
Warfarin	Kg	5945	9564	-
Racumin	Kg	28396	12871	23971
Bromiln	Kg	260	13591	12882
Klerat	Kg	2207	5438	-
Klerat	Kg	262	-	280
Zinc Phoshide	Kg	1148*	595**	3231*
Thallium Sulfate	Kg	1228	775	760
1080 (Liquid Bait)	Lit	-	-	54
Rastop (Blocks)	Kg	-	-	-

* Full ready bait

** Concentrate

Table 3.8

ANOPHELES AND CULEX MOSQUITO BREEDING SPOTS 1985 - 1987

Centre	1985			1986			1987		
	Potential spots examined	Anopheles + spots	Culex + spots	Potential spots examined	Anopheles + spots	Culex + spots	Potential spots examined	Anopheles + spots	Culex + spots
Manama	36147	5	1257	36236	6	1521	32225	4	873
Maharrag	24593	-	182	28697	1	164	30334	3	203
Jidhafs	18729	106	2486	14226	66	2680	19670	63	2130
Budayie	33480	113	1937	27482	56	1405	27036	30	1631
Issa Town	50611	45	947	48943	34	1039	40118	20	539
Karzaban	43944	15	1492	39301	15	1607	42036	16	491
Riffa	5251	7	218	5697	20	227	6092	13	218
Sitra	17335	34	543	14482	20	347	12812	11	521
T O T A L	230090	325	9062	215064	218	8990	210323	160	6806

Table 3.9
IMPORTED MALARIA CASES BY NATIONALITY AND COUNTRY OF ORIGIN
BAHRAIN, 1987

Nationality	No. of Cases			Country of Origin (No.)
	P.f	P.v	Total	
Bahraini	-	1	1	India (1)
Indian	1	87	88	India (88)
Pakistani	3	57	60	Pakistan (60)
Bangladeshi	-	3	3	Bangladesh (3)
Omani	1	1	2	Oman (2)
Sri Lankan	-	9	9	Sri Lanka (9)
Kenyan	-	1	1	Kenya (1)
Ghanian	1	-	1	Ghana (1)
Saudi	-	1	1	Saudi Arabia (1)
Polish	1	-	1	Tanzania (1)
Philippino	-	1	1	Philippine (1)
T O T A L	7	161	168	

Table 3.10
 ORGANISMS ISOLATED AND PARASITES SEEN IN STOOLS
 EXAMINED DURING 1985-1987

Organisms Isolated	1985	1986	1987
<i>S. typhi</i>	1	4	—
<i>S. paratyphi</i> - A	—	—	—
<i>S. paratyphi</i> - B	1	2	—
<i>S. paratyphi</i> - C	—	—	—
Other <i>Salmonella</i> species	749	974	429
<i>Shigella flexneri</i>	—	1	—
<i>Shigella sonnei</i>	1	—	—
<i>Shigella boydii</i>	—	—	—
<i>Shigella dysenteriae</i>	—	—	—
<i>Ascaris lumbricoides</i>	1398	1306	922
Hook worm	765	702	453
<i>Trichuris trichiura</i>	814	867	524
<i>Hymenolepis nana</i>	48	70	28
<i>Enterobius vermicularis</i>	4	2	5
<i>Taenia</i>	2	2	2
<i>Clonorchis sinensis</i>	1	1	2
<i>E. histolytica</i>	1	—	—
<i>Trichomonas hominis</i>	8	29	10
<i>Giardia lamblia</i>	355	476	340
<i>Strongyloides stercoralis</i>	109	127	64

SECTION FOUR: PRIMARY HEALTH CARE

Table 4.1
TOTAL NUMBER OF VISITS/ENCOUNTERS
TO ALL HEALTH CENTERS, BAHRAIN 1987

Encounter/Visit	Children		Adults		Grand Total	
	Male	Female	Male	Female		
No. of new patients	6423	6400	12823	39471	7735	47206
Encounters: Dental	16663	15400	32063	41047	44474	85521
: Med/Surg.	266674	221680	488354	498637	549332	1047969
: Educational	1413	1762	3175	2228	21093	23321
						26496

Table 4.2
TOTAL NUMBER OF VISITS TO CHILD WELFARE
CENTERS IN HEALTH CENTERS & HOME VISITS
BY CHILD WELFARE STAFF, BAHRAIN 1986,1987

Year	H.C. Visits		Home Visits		Grand Total	
	Male	Female	Male	Female		
1986	44001	42278	86279	4829	4694	9523
1987	53234	50954	104188	3812	3685	7497
						111685

Table 4.3
NUMBER OF REFERRALS FROM THE HEALTH CENTERS
TO SALMANIYA MEDICAL CENTER 1986, 1987

Department/Clinic	Year	
	1986	1987
Accident & Emergency	22691	19948
Eye Clinic	4531	4212
E.N.T. Clinic	2288	2433
Dental Clinic	341	152
Skin	1483	1520
Chest	78	38
Medical		
General	806	776
Cardiology	95	125
Pulmonary	107	129
G.I.	17	15
Nephrology	7	13
Diabetes	8	9
Neurology	89	91
Surgical		
General	2415	2095
Paediatrics	727	800
Obs./Gyne.	1128	1077
Paediatrics	378	382
Psychiatric	346	287
Physiotherapy	371	514
Urology	450	520
Orthopedics	971	962
Plastic & Burns	48	62
Others	314	335
T O T A L	39689	36495

Table 4.4
TOTAL NUMBER OF PROCEDURES/DIAGNOSIS
CARRIED OUT AT HEALTH CENTERS DENTAL
CLINICS, BAHRAIN 1986,1987

Procedure or Diagnosis	Year	
	1986	1987
Exam & Chart	11875	11854
X-Ray	2138	2514
Oral Hygiene	8481	11219
Extraction	31285	34117
Simple & Pinned Amalgam	14696	16501
Plastic Filling	1923	2417
Temporary Filling	9820	9107
Scaling & Polishing	14883	15057
Curettage	844	890
Root Canal Treatment	1250	1315
Orthodontics	-	1794
Periodontics	-	819
Other	8533	10701
T O T A L	105728	118305

Table 4.5

NUMBER OF VACCINATIONS IN HEALTH CENTERS BY
CHILD WELFARE SERVICE, 1984 - 1987

Vaccination	1984	1985	1986	1987
D & T	2696	4895	5013	4631
DPT	43730	43390	44611	49747
Tetanus	10456	22471	35324	34881
Poliomyelitis	46153	47801	49246	53999
Measles	10065	8575	8721	9036
MMR	-	5033	9423	22910
Typhoid	-	-	224	1694
BCG	-	-	637	653
Others	-	-	4	132322
T O T A L	113100	132165	153203	309873

Table 4.6

NUMBER OF LABORATORY TESTS DONE AT HEALTH
CENTERS, BAHRAIN 1987

Health Center	T e s t s				Total
	Haemat- ology	Bacter- iology	Bioche- mistry	Radio- Assay	
Al Hoorra	8300	2093	967	-	11360
Al Naim	19886	5452	3890	9	29237
East Riffa	12012	3140	1839	-	16991
Ibn Sinna	8323	3504	2150	-	13977
Isa Town	21514	5166	2622	-	29302
Jidhafs	19528	4665	2096	-	26289
Muharraq	20440	10755	3362	-	34557
Sabah Al Salem	12089	4011	2796	-	18896
Sheikh Salman	14383	4610	3743	-	22736
Sitra	13445	4029	1109	-	18583
Bilad Al Kadiem	9578	2556	889	-	13023
Budayie	16351	4256	1884	-	22491
Western Region	10129	2548	934	-	13611
Al Razi	1416	487	33	-	1936
T O T A L	187394	57272	28314	9	272989

Table 4.7

NUMBER OF LABORATORY TESTS DONE AT SALMANIYA
MEDICAL CENTER FOR HEALTH CENTERS, BAHRAIN 1987

Health Center	T e s t s				Total
	Haematology	Bacteriology	Biochemistry	Radio-Assay	
Al Hooraa	726	2775	3884	72	7457
Al Naim	1176	4302	5158	741	11377
East Riffa	1294	2973	5534	395	10196
Ibn Sinna	2879	3710	4944	192	11725
Isa Town	3123	6278	7177	1187	17765
Jidhafs	2806	6103	5613	955	15477
Muharraaq	2029	6539	10702	726	19996
Sabah Al Salem	1197	3454	4579	535	9765
Sheikh Salman	1288	4104	6920	718	13030
Sitra	2213	3194	3292	136	8835
Bilad Al Kadiem	1455	2241	2619	525	6840
Budayie	2025	4204	4824	756	11809
Western Region	1748	2453	2506	62	6769
Al Razi	5	1383	740	32	2160
T O T A L	23964	53713	68492	7032	153201

Table 4.8

NUMBER OF VISITS TO HEALTH CENTERS FOR ANTENATAL
AND POSTNATAL CARE, BAHRAIN 1987

Health Center	Antenatal			Postnatal	HighRisk Reff.
	New	Old	Total		
Al Hooraa	467	2201	2668	136	350
Al Naim	879	4409	5288	183	683
East Riffa	635	2978	3613	59	420
Ibn Sinna	522	2491	3013	135	407
Isa Town	1095	4099	5194	563	965
Jidhafs	1078	4029	5107	273	846
Muharraaq	1128	4717	5845	354	679
Sabah Al Salem	484	2422	2906	168	337
Sheikh Salman	723	3524	4247	74	669
Sitra	809	2681	3490	264	582
Bilad Al Kadiem	216	806	1022	128	124
Budayie	701	2550	3251	107	620
Western Region	553	1956	2509	275	359
West Riffa	—	—	—	36	—
A'Ali	315	1053	1368	12	163
Dair	—	—	—	262	—
Hidd	—	—	—	40	—
T O T A L	9605	39916	49521	3069	7204

Table 4.9
 TOTAL NUMBER OF MEDICAL/SURGICAL & DENTAL VISITS/ENCOUNTERS
 BY HEALTH CENTER, BAHRAIN, 1986,1987

Health Center	1986		1987	
	Medical/Surg.	Dental	Medical/Surg.	Dental
Al Hooraa	32726	5615	35623	5123
Al Naim	-	-	168509	9918
East Riffa	76533	7299	77060	10385
Ibn Sinna	75387	14977	73467	15258
Isa Town	160518	11810	183866	15717
Jidhafs	138521	7752	147820	9215
Muharraaq	133318	10396	134976	11778
Sabah Al Salem	55910	7013	64106	6730
Sheik Salman	115458	6406	119259	6640
Sitra	82560	7514	90609	7902
Bilad Al Kadem	48530	5683	52603	5680
Budayie	77415	5541	79652	5708
W. Region	72962	5472	74691	6023
Al Razi	159785	7935	65943	1507
West Riffa	33965	-	34738	-
A ' Ali	41831	-	42691	-
Dair	38321	-	42079	-
Hidd	37692	-	39160	-
JawAsker Clinic	2325	-	2515	-
Zallaq Clinic	6440	-	6956	-
Labour Force Clinic	75749	-	-	-
T O T A L	1465946	103413	1536323	117584

SECTION FIVE: SECONDARY HEALTH CARE

Year	1960	1961	1962	1963	1964
1. Total Patients	10,000	10,500	11,000	11,500	12,000
2. Inpatient	8,000	8,500	9,000	9,500	10,000
3. Outpatient	2,000	2,000	2,000	2,000	2,000
4. Total Deaths	500	500	500	500	500
5. Inpatient	400	400	400	400	400
6. Outpatient	100	100	100	100	100
7. Total Discharges	10,000	10,500	11,000	11,500	12,000
8. Inpatient	8,000	8,500	9,000	9,500	10,000
9. Outpatient	2,000	2,000	2,000	2,000	2,000
10. Total Admissions	10,000	10,500	11,000	11,500	12,000
11. Inpatient	8,000	8,500	9,000	9,500	10,000
12. Outpatient	2,000	2,000	2,000	2,000	2,000
13. Total Bed-Days	100,000	105,000	110,000	115,000	120,000
14. Inpatient	80,000	85,000	90,000	95,000	100,000
15. Outpatient	20,000	20,000	20,000	20,000	20,000
16. Total Staff	100	100	100	100	100
17. Inpatient	80	80	80	80	80
18. Outpatient	20	20	20	20	20

I. SALMANIYA MEDICAL CENTER

Year	1960	1961	1962	1963	1964
1. Total Patients	10,000	10,500	11,000	11,500	12,000
2. Inpatient	8,000	8,500	9,000	9,500	10,000
3. Outpatient	2,000	2,000	2,000	2,000	2,000
4. Total Deaths	500	500	500	500	500
5. Inpatient	400	400	400	400	400
6. Outpatient	100	100	100	100	100
7. Total Discharges	10,000	10,500	11,000	11,500	12,000
8. Inpatient	8,000	8,500	9,000	9,500	10,000
9. Outpatient	2,000	2,000	2,000	2,000	2,000
10. Total Admissions	10,000	10,500	11,000	11,500	12,000
11. Inpatient	8,000	8,500	9,000	9,500	10,000
12. Outpatient	2,000	2,000	2,000	2,000	2,000
13. Total Bed-Days	100,000	105,000	110,000	115,000	120,000
14. Inpatient	80,000	85,000	90,000	95,000	100,000
15. Outpatient	20,000	20,000	20,000	20,000	20,000
16. Total Staff	100	100	100	100	100
17. Inpatient	80	80	80	80	80
18. Outpatient	20	20	20	20	20

Table 5.1

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY AGE GROUPS & SEX AT
SALMANIYA MEDICAL CENTER

Age Groups	Male		Female		Totals	
	No	%	No	%	No	%
< 1 year	1455	13.1	966	6.0	2421	8.9
1 - 9	2488	22.4	1639	10.1	4127	15.1
10 - 19	1205	10.8	1261	7.8	2466	9.0
20 - 29	1612	14.5	6423	39.6	8035	29.4
30 - 39	1449	13.0	3416	21.1	4865	17.8
40 - 49	790	7.1	910	5.6	1700	6.2
50 - 59	819	7.4	643	4.0	1462	5.4
60 - 69	769	6.9	549	3.4	1318	4.8
70 - 79	359	3.2	270	1.7	629	2.3
80 - 89	136	1.2	121	0.7	257	0.9
90 +	27	0.2	28	0.2	55	0.2
T O T A L	11109	100.0	16226	100.0	27335	100.0

Table 5.2

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY AREA OF RESIDENCE AT
SALMANIYA MEDICAL CENTER

Area	Alive		Dead		Totals	
	No	%	No	%	No	%
Hidd	532	2.0	16	3.2	548	2.0
Muharraq	3888	14.5	103	20.8	3991	14.6
Manama	8207	30.6	140	28.2	8347	30.5
Jidhafs	2692	10.0	74	14.9	2766	10.1
Northern Area	1608	6.0	25	5.0	1633	6.0
Sitra	2124	7.9	29	5.9	2153	7.9
Central Area	1753	6.5	20	4.0	1773	6.5
Isa Town	2464	9.2	46	9.3	2510	9.2
Riffa	1571	5.6	9	1.8	1580	5.8
Western Area	1483	5.5	25	5.0	1508	5.5
Hawar Island	5	0.0	—	—	5	0.0
Hamad Town	253	0.9	6	1.2	259	1.0
Not Stated	259	1.0	3	0.6	262	1.0
T O T A L	26839	100.0	496	100.0	27335	100.0

Table 5.3

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY SOURCE OF ADMISSION
AT SALMANIYA MEDICAL CENTER

Source of Admission	Alive		Dead		Totals	
	No	%	No	%	No	%
Outpatient	13145	49.0	98	19.8	13243	48.5
Accident & Emergency	11816	44.0	386	77.8	12202	44.6
L.P.P.	1864	7.0	11	2.2	1875	6.9
Other MOH Hospitals*	8	0.0	1	0.2	9	0.0
SMC Day Case Unit	6	0.0	—	—	6	0.0
T O T A L	26839	100.0	496	100.0	27335	100.0

* Include Special Baby Care Unit

Table 5.4

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY AGE GROUPS AT
SALMANIYA MEDICAL CENTER

Age Groups	Alive		Dead		Totals	
	No	%	No	%	No	%
< 1 year	2366	8.8	55	11.1	2421	8.9
1 - 9	4113	15.3	14	2.8	4127	15.1
10 - 19	2455	9.1	11	2.2	2466	9.0
20 - 29	8011	29.8	24	4.8	8035	29.4
30 - 39	4847	18.1	18	3.6	4865	17.8
40 - 49	1660	6.2	40	8.1	1700	6.2
50 - 59	1398	5.2	64	12.9	1462	5.3
60 - 69	1204	4.5	114	23.0	1318	4.8
70 - 79	539	2.0	90	18.1	629	2.3
80 - 89	208	0.8	49	9.9	257	0.9
90 +	38	0.1	17	3.4	55	0.2
T O T A L	26839	100.0	496	100.0	27335	100.0

Table 5.5

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY SEX AT
SALMANIYA MEDICAL CENTER

Sex	Alive		Dead		Totals	
	No	%	No	%	No	%
Male	10842	40.4	267	53.8	11109	40.6
Female	15997	59.6	229	46.2	16226	59.4
T O T A L	26839	100.0	496	100.0	27335	100.0

Table 5.6

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY MARITAL STATUS AT
SALMANIYA MEDICAL CENTER

Marital Status	Alive		Dead		Totals	
	No	%	No	%	No	%
Single	10352	38.6	110	22.2	10462	38.3
Married	16020	59.7	333	67.1	16353	59.8
Widowed	295	1.1	37	7.5	332	1.2
Divorced	145	0.5	15	3.0	160	0.6
Not Stated	27	0.1	1	0.2	28	0.1
T O T A L	26839	100.0	496	100.0	27335	100.0

Table 5.7

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY NATIONALITY AT
SALMANIYA MEDICAL CENTER

Nationality	Alive		Dead		Totals	
	No	%	No	%	No	%
Bahraini	20985	78.2	445	89.7	21430	78.4
G.C.C.	306	1.4	8	1.6	314	1.2
Other Arabs	694	2.6	6	1.2	700	2.6
Iranian	100	0.4	1	0.2	101	0.4
Indian	2865	10.7	24	4.8	2889	10.6
Pakistani	1062	4.0	8	1.6	1070	3.9
Other Asians	638	2.4	3	0.6	641	2.3
African	23	0.1	—	—	23	0.1
European	100	0.4	1	0.2	101	0.4
American	19	0.1	—	—	19	0.1
Other Nationalities	47	0.2	—	—	47	0.2
T O T A L	26839	100.0	496	100.0	27335	100.0

Table 5.8

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY OCCUPATION AT
SALMANIYA MEDICAL CENTER

Occupation	Alive		Dead		Totals	
	No	%	No	%	No	%
Professional, Technical & Related Workers	946	3.5	3	0.6	949	3.5
Administrative & Managerial Workers	85	0.3	—	—	85	0.3
Clerical & Related Workers	1434	5.3	10	2.0	1444	5.3
Sales Workers	326	1.2	8	1.6	334	1.2
Services Workers	820	3.1	12	2.4	832	3.0
Agriculture, Animal Husbandry & Forestry Workers, Fishermen Hunters	138	0.5	4	0.8	142	0.5
Production Workers, Transport Equipment Operators & Labourers	1940	7.2	38	7.7	1978	7.2
Students	3014	11.2	14	2.8	3028	11.1
Housewives	10201	38.0	141	28.4	10342	37.8
No Occupation	7256	27.0	258	52.0	7514	27.5
Not Stated	679	2.5	8	1.6	687	2.51
T O T A L	26839	100.0	496	100.0	27335	100.0

Table 5.9

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL
DISCHARGES IN 1987 BY WARD AT
SALMANIYA MEDICAL CENTER

Ward	Alive		Dead		Totals	
	No	%	No	%	No	%
Chest Diseases	386	1.4	23	4.6	409	1.5
Burns	177	0.7	3	0.6	180	0.7
Orthopedics	1100	4.1	10	2.0	1110	4.1
Pediatrics	4138	15.4	39	7.9	4177	15.3
Infectious Diseases	721	2.7	5	1.0	726	2.7
Surgical	4126	15.4	65	13.1	4191	15.3
Obs./Gyne.	2230	8.3	9	1.8	2239	8.2
Medical	2741	10.2	229	46.1	2970	10.9
Ophthalmology	1363	5.1	9	1.8	1372	5.0
E.N.T	1912	7.1	11	2.2	1923	7.0
I.C.U	37	0.1	14	2.8	51	0.2
C.C.U	486	1.8	42	8.5	528	1.9
Maternity	7422	27.7	37	7.5	7459	27.3
T O T A L	26839	100.0	496	100.0	27335	100.0

Table 5.10

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN 1987
BY PRINCIPAL DIAGNOSIS AT SALMAVIYA MEDICAL CENTER

ICD Codes	Diagnosis	Alive		Dead		Totals	
		No	%	No	%	No	%
001-139	Infectious & parasitic diseases	776	2.9	31	6.3	807	3.0
009	Ill-defined intestinal infections	448	1.7	5	1.0	453	1.7
140-239	Neoplasms	428	1.6	80	16.1	508	1.9
240-279	Endocrine, nutritional & metabolic diseases & immunity disorders	365	1.4	7	1.4	372	1.4
280-289	Diseases of blood & blood-forming organs	202	0.8	5	1.0	207	0.8
282	Hereditary haemolytic anaemias	842	3.1	1	0.2	843	3.1
290-319	Mental Disorders	50	0.2	1	0.2	51	0.2
320-389	Diseases of the nervous system & sense organs	1250	4.7	11	2.2	1261	4.6
366	Cataract	408	1.5	1	0.2	409	1.5
390-459	Diseases of the circulatory system	1748	6.5	184	37.1	1932	7.1
460-519	Diseases of the respiratory system	2098	7.8	23	4.6	2121	7.8
474	Chronic diseases of the tonsils & adenoids	1103	4.1	-	-	1103	4.0

Continue Table 5.10

ICD Codes	Diagnosis	Alive		Dead		Totals	
		No	%	No	%	No	%
485	Bronchopneumonia, organism unspecified	283	1.1	9	1.8	292	1.1
520-579	Diseases of the digestive system	1368	5.1	17	3.4	1385	5.1
550	Inguinal hernia	414	1.5	1	0.2	415	1.5
580-629	Diseases of the genitourinary system	1275	4.8	18	3.6	1293	4.7
626	Disorders of menstruation & other abnormal bleeding from female genital tract	271	1.0	-	-	271	1.0
630-679	Complication of pregnancy, childbirth & the puerperium	5996	22.3	6	1.2	6002	22.0
637	Unspecified abortion	544	2.0	-	-	544	2.0
650	Delivery in completely normal case	1778	6.6	3	0.6	1781	6.5
659	Other indications for care or intervention related to labour & delivery & not else where classified	36	0.1	-	-	36	0.1
680-709	Diseases of the skin subcutaneous tissue	242	0.9	1	0.2	243	0.9

Continues Table 5.10

ICD Codes	Diagnosis	Alive		Dead		Totals	
		No	§	No	§	No	§
710-739	Diseases of the musculoskeletal system & connective tissue	622	2.3	4	0.8	626	2.3
740-759	Congenital anomalies	431	1.6	3	0.6	434	1.6
760-779	Certain conditions originating in the perinatal period	918	3.4	23	4.6	941	3.4
780	General symptoms	382	1.4	1	0.2	383	1.4
781-799	Symptoms, signs and ill-defined conditions	373	1.4	44	8.9	417	1.5
800-999	Injury & poisoning	1546	5.8	10	2.0	1556	5.7
850	Concussion	227	0.8	-	-	227	0.8
901-982	Supplementary classifications of factors influencing health status & contact with health services	355	1.3	1	0.2	356	1.3
	Not Stated	60	0.2	6	1.2	66	0.2
	T O T A L	26839	100.0	496	100.0	27335	100.0

Table 5.11
ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN 1987 BY WARD & MEAN OF LENGTH OF STAY AT SALMANIYA MEDICAL CENTER

Ward	Discharges		Length of stay
	No	%	Mean (Days)
Chest Diseases	409	1.5	18.9
Burns	180	0.7	25.3
Orthopedics	1110	4.1	15.6
Pediatrics	4177	15.3	7.1
Infectious Diseases	726	2.7	8.3
Surgical	4191	15.3	10.6
Obs./Gyne.	2239	8.2	6.5
Medical	2970	10.9	11.6
Ophthalmology	1372	5.0	10.1
E.N.T	1923	7.0	7.5
I.C.U	51	0.2	21.4
C.C.U	528	1.9	10.5
Maternity	7459	27.3	7.5
T O T A L	27335	100.0	9.1

Table 5.12

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN 1987 BY SERVICE & MEAN OF LENGTH OF STAY AT SALMANIYA MEDICAL CENTER

Service	Discharges		Length of stay
	No	%	Mean (Days)
Medical	4181	15.3	12.1
Surgery	5098	18.7	11.8
Pediatrics	5022	18.4	8.5
Obs./Gyne.	9281	34.0	6.5
E.N.T	2319	8.5	7.0
Ophthalmology	1259	4.6	10.6
Other	175	0.6	34.9
T O T A L	27335	100.0	9.1

Table 5.13

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DEATHS IN 1987 BY SERVICE & MONTH OF DISCHARGE AT SALMANIYA MEDICAL CENTER

Service	Deaths By Month of Discharge												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Medical	30	32	25	23	23	24	39	36	25	22	24	22	325
Surgery	6	3	8	8	7	6	6	3	6	8	7	5	73
Pediatrics	9	9	6	9	11	3	2	4	3	4	4	4	68
Obs./Gyne.	3	1	1	2	1	1	-	-	1	1	-	3	14
E.N.T	-	1	-	1	2	1	-	-	-	-	-	-	5
Ophthalmology	1	-	-	-	-	-	-	-	1	-	1	-	3
Other	-	3	-	-	-	2	1	1	1	-	-	-	8
T O T A L	49	49	40	43	44	37	48	44	37	35	36	34	496

II. PSYCHIATRIC HOSPITAL

Table 5.14

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN
1987 BY AREA OF RESIDENCE AT PSYCHIATRIC HOSPITAL

Area	Alive		Dead		Totals	
	No	%	No	%	No	%
Hidd	8	0.8	—	—	8	0.8
Muharraq	107	10.1	—	—	107	10.1
Manama	192	18.2	1	33.3	193	18.2
Jidhafs	81	7.7	—	—	81	7.7
Northern Area	17	1.6	—	—	17	1.6
Sitra	45	4.3	—	—	45	4.3
Central Area	22	2.1	1	33.3	23	2.2
Isa Town	92	8.7	—	—	92	8.7
Riffa	68	6.5	—	—	68	6.4
Western Area	12	1.1	—	—	12	1.1
Hamad Town	13	1.2	—	—	13	1.2
Not stated	398	37.7	1	33.3	399	37.7
T O T A L	1055	100.0	3	100.0	1058	100.0

Table 5.15

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN
1987 BY AGE GROUPS AT PSYCHIATRIC HOSPITAL

Age Groups	Alive		Dead		Totals	
	No	%	No	%	No	%
< 1 year	5	.5	—	—	5	.5
1 - 9	5	.5	—	—	5	.5
10 - 19	81	7.7	—	—	81	7.7
20 - 29	442	41.9	—	—	442	41.8
30 - 39	284	26.9	1	33.3	285	26.9
40 - 49	118	11.2	—	—	118	11.2
50 - 59	75	7.1	1	33.3	76	7.2
60 - 69	28	2.7	—	—	28	2.7
70 - 79	13	1.2	1	33.3	14	1.3
80 - 89	4	.4	—	—	4	.4
T O T A L	1055	100.0	3	100.0	1058	100.0

Table 5.16

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN
1987 BY SEX AT PSYCHIATRIC HOSPITAL

Sex	Alive		Dead		Totals	
	No	%	No	%	No	%
Male	717	67.96	1	33.33	718	67.86
Female	338	32.04	2	66.67	340	32.14
T O T A L	1055	100.00	3	100.00	1058	100.00

Table 5.17

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN
1987 BY MARITAL STATUS AT PSYCHIATRIC HOSPITAL

Marital Status	Alive		Dead		Totals	
	No	%	No	%	No	%
Single	581	55.1	1	33.3	582	55.0
Married	414	39.2	2	66.7	416	39.3
Widowed	21	2.0	—	—	21	2.0
Divorced	39	3.7	—	—	39	3.7
T O T A L	1055	100.0	3	100.0	1058	100.0

Table 5.18

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN
1987 BY NATIONALITY AT PSYCHIATRIC HOSPITAL

Nationality	Alive		Dead		Totals	
	No	%	No	%	No	%
Bahraini	840	79.6	3	100.0	843	79.7
G.C.C.	44	4.2	—	—	44	4.2
Other Arabs	33	3.1	—	—	33	3.1
Iranian	1	0.1	—	—	1	0.1
Indian	66	6.3	—	—	66	6.2
Pakistani	13	1.2	—	—	13	1.2
Other Asians	38	3.6	—	—	38	3.6
African	—	—	—	—	—	—
European	8	0.8	—	—	8	0.8
American	1	0.1	—	—	1	0.1
Other Nationalities	11	1.0	—	—	11	1.0
T O T A L	1055	100.0	3	100.0	1058	100.0

Table 5.19

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN 1987
BY OCCUPATION AT PSYCHIATRIC HOSPITAL

Occupation	Alive		Dead		Totals	
	No	%	No	%	No	%
Professional, Technical & Related Workers	14	1.3	—	—	14	1.3
Administrative & Managerial Workers	4	0.4	—	—	4	0.4
Clerical & Related Workers	44	4.2	—	—	44	4.2
Sales Workers	13	1.2	—	—	13	1.2
Services Workers	99	9.4	—	—	99	9.4
Agriculture, Animal Husbandry & Forestry Workers, Fishermen Hunters	14	1.3	—	—	14	1.3
Production Workers, Transport, Equipment Operators & Labourers	112	10.6	—	—	112	10.6
Students	67	6.4	—	—	67	6.3
Housewives	125	11.9	—	—	125	11.8
No Occupation	503	47.7	3	100.0	506	47.8
Not stated	60	5.7	—	—	60	5.7
T O T A L	1055	100.0	3	100.0	1058	100.0

Table 5.20

ABSOLUTE & PERCENTAGE DISTRIBUTION OF ALL DISCHARGES IN 1987
BY PRINCIPAL DIAGNOSIS AT PSYCHIATRIC HOSPITAL

ICD	Principal Diagnosis	Alive		Dead		Totals	
		No	%	No	%	No	%
290	Senile & Presenile Organic Psychotic	9	0.9	1	33.3	10	1.0
292	Drug Psychoses	4	0.4	—	—	4	0.4
294	Other Organic Psychotic conditions (Chronic)	3	0.3	—	—	3	0.3
295	Schizophrenic Psychoses	327	31.0	2	66.7	329	31.1
296	Affective Psychoses	58	5.5	—	—	58	5.5
297	Paranoid States	13	1.2	—	—	13	1.2
300	Neurotic Disorders	33	3.1	—	—	33	3.1
301	Personality Disorders	18	1.7	—	—	18	1.7
303	Alcohol Dependence Syndrome	118	11.2	—	—	118	11.2
304	Drug Dependence	199	18.9	—	—	199	18.8
308	Acute Reaction to Stress	43	4.1	—	—	43	4.1
309	Adjustment Reaction	11	1.0	—	—	11	1.0
311	Depressive Disorder not elsewhere Classified	127	12.0	—	—	127	12.0
317	Mild Mental Retardation	35	3.3	—	—	35	3.3
345	Epilepsy	11	1.0	—	—	11	1.0
	Other	17	1.6	—	—	17	1.6
	Not Stated	29	2.8	—	—	29	2.7
	T O T A L	1055	100.0	3	100.0	1058	100.0

Table 5.21

ABSOLUTE & PERCENTAGE DISTRIBUTION OF
ALL DISCHARGES IN 1987 BY MONTH OF DISCHARGE AT
PSYCHIATRIC HOSPITAL

Month of Discharge	No	%
January	28	2.7
February	67	6.3
March	89	8.4
April	113	10.7
May	75	7.1
June	126	11.9
July	109	10.3
August	79	7.5
September	109	10.3
October	81	7.7
November	92	8.7
December	90	8.5
T O T A L	1058	100.0

SECTION SIX: FINANCE

Table 6.1
HEALTH EXPENDITURE COMPARED TO PUBLIC EXPENDITURE
1975 TO 1988 (BAHRAIN DINARS) BAHRAIN

Fiscal Year	Total Public Expenditure	Health Expenditure				Total	% To Public Expenditure	Growth In %
		Current	%	Non-current	%			
1975	195,504,000	6,857,000	5%	2,798,000	5%	9,655,000	5%	100% (base year)
1976	291,535,000	9,434,000	5%	4,954,000	5%	14,388,000	5%	149%
1977	388,000,000	12,688,000	5%	8,544,000	6%	21,232,000	5.5%	220%
1978	280,000,000	15,380,000	11%	6,084,000	3%	21,464,000	7.7%	222%
1979	233,020,000	17,447,000	12%	3,621,000	3%	21,068,000	7.5%	218%
1980	329,000,000	21,772,000	12%	5,526,000	4%	27,298,000	8.3%	233%
1981	381,649,604	26,023,050	9%	3,983,000	4%	30,006,050	7.9%	311%
1982	472,200,000	29,102,660	10%	6,860,000	3%	35,962,660	7.6%	372%
1983	519,423,000	32,288,030	11%	6,949,000	2%	39,237,030	7.6%	405%
1984	538,590,000	33,002,834	10%	1,723,000	1%	34,725,834	6.4%	360%
1985	508,548,000	31,574,710	9%	2,319,556	1.4%	34,294,226	6%	355%
1986	487,118,000	30,871,548	9%	999,000	1%	31,861,548	6%	330%
1987	554,584,000	32,884,581	7.5%	610,000	1%	33,494,581	6%	384%
1988*	490,000,000	33,520,000	9%	2,995,000	2%	36,515,000	7.5%	388%

* Budgeted Figures

Table 6.2
HEALTH EXPENDITURE ACCORDING TO ORGANIZATIONAL DIVISION OF MINISTRY OF HEALTH
BAHRAIN 1987, (BAHRAIN DINARS)

Directorate/Department	Total Recurrent Expenditure	% To Total	Directorate/Department	Total Recurrent Expenditure	% To Total
ADMINISTRATION & SUPPORT SERVICES :			SECONDARY HEALTH CARE :		
Office of H.E. The Minister including Office of U.S.	290,027	0.9	Secretariats of Hospitals	24,207	0.1
Secretariat of Admin. & Planning	31,646	0.1	Salmaniya Medical Centre	15,311,611	46.6
Directorate of Finance	384,641	1.1	Psych. & Mental Disorders Hospital	1,576,395	4.8
Directorate of Personnel	175,230	0.5	Muhareq Maternity Hospital	436,539	1.3
Directorate of Materials Management	315,852	1.0	Al-Rasheed Hospital	382,877	1.2
Directorate of Services	369,624	1.1	Sitra Maternity Hospital	52,931	0.2
Bahrain Health Information Centre	99,761	0.3	R.Region Maternity Hospital	53,783	0.2
SUB-TOTAL	1,666,781	5.0	Geriatric Hospital	249,582	0.8
			Overseas Health Services/Blood Bank	821,646	2.5
			Secretariate of Medical Services	33,542	0.1
PRIMARY & PREVENTIVE HEALTH CARE :			SUB-TOTAL	19,006,808	58.0
Secretariat of Primary & Prev.H.Care	35,903	0.1	TRAINING :		
Drug Control Department	46,523	0.1	College of Health Sciences	1,329,839	4.0
Medical Commission	147,815	0.5	Other Local & Overseas Training	371,123	1.1
Directorate of Health Centres	5,159,193	15.7	Family Practice Residency Program	258,839	0.8
Directorate of Public Health	1,657,495	5.0	SUB-TOTAL	1,959,801	5.9
Health Education	45,498	0.1	SERVICES :		
SUB-TOTAL	7,092,427	21.5	Engineering & Maint. Dept.	1,937,645	5.9
			Other Central Services	902,568	2.7
			SUB-TOTAL	2,840,213	8.6
			CAPITAL EXPENDITURE	319,551	1.0
			TOTAL EXPENDITURE	32,884,581	100

Table 6.3
COST RATIOS RELATING TO HEALTH CARE FACILITIES
BAHRAIN, 1987

A. GENERAL

- Total expenditure on Health Services as a percentage of National Income. : 3.5 %
- Government Recurrent Expenditure on Health Services as compared to Total Government Recurrent Expenditure. : 8 %
- Average Health Expenditure incurred by Government per individual per annum. : BD. 80.5

B. UNIT OPERATING COSTS

Cost Centre	Type of Facility	Unit Cost B.D.	Unit
Primary Health Care	Outpatient visit	2.5	Per visit
<u>Secondary Health Care:</u>			
Salmaniya Med. Center	Inpatient days	50.6	Per patient day
"	Outpatient visits	12.7	Per patient visit
Psychiatric & Mental Disorders Hospital	Outpatient visits	7.3	Per patient visit
Geriatric Hospital	Inpatient days	15.8	Per Inpatient day
<u>Maternity Hospitals:</u>			
Salmaniya Med. Center (Maternity Unit)	Delivery	300.5	Per delivery
Other Maternity Units	Delivery	262.0	Per delivery

Table 6.4

REVENUE FROM HEALTH SERVICES &
COMPARISON WITH HEALTH EXPENDITURE
BAHRAIN, 1975 - 1987
(BAHRAINI DINARS)

Fiscal Year	Income from Health Services	Health Income As % of Health Expenditure
1975	170,447	1.8 %
1976	215,002	1.5 %
1977	1,164,295	5.5 %
1978	1,630,507	7.6 %
1979	1,615,142	7.6 %
1980	1,699,920	6.3 %
1981	2,003,884	6.7 %
1982	2,243,992	6.2 %
1983	2,775,554	7.1 %
1984	2,944,591	8.5 %
1985	2,833,955	8.3 %
1986	2,689,893	8.4 %
1987	2,530,396	6.7 %

SECTION SEVEN: MANPOWER

Table 7.1
 TOTAL MANPOWER IN MINISTRY OF HEALTH
 BY SEX AND NATIONALITY
 BAHRAIN (1983 - 1987)

Nationality/Sex	1983	1984	1985	1986	1987
<u>Bahrainis</u>					
Males	1688	1767	1773	1813	1915
Females	1484	1547	1511	1596	1629
<u>Non-Bahrainis</u>					
Males	855	817	746	667	574
Females	1031	1073	1065	998	986
<u>Total</u>					
Males	2543	2584	2519	2480	2489
Females	2515	2620	2576	2594	2615

Table 7.2
MANPOWER EMPLOYED BY THE MINISTRY OF HEALTH
AS ON 31 st DECEMBER 1987, BY DIRECTORATE/DEPARTMENT
NATIONALITY AND SEX

Directorate/Department	Bahraini		Non-Bahraini		Total
	Male	Female	Male	Female	
Offices of H.E. The Minister	12	7	8	4	31
Offices of Undersecretary	11	12	2	2	27
Asst. U/S for Admin. & Finance Services	1	—	2	—	3
Directorate of Finance	47	29	4	5	85
Directorate of Personnel	20	16	2	1	39
Directorate of Services	300	20	90	4	414
Directorate of Mat. Management	51	27	2	1	81
Asst. U/S for Primary Care and Public Health	1	1	—	2	4
Directorate of Public Health	296	52	94	10	452
Directorate of Health Centers	241	455	58	104	858
Asst. U/S for Hospitals	1	1	—	—	2
Medical Equipment Center	14	4	18	—	36
Salmaniya Medical Center	564	531	137	475	1707
Psychiatric Hospital	114	77	50	55	296
Maternity Hospitals	39	188	3	210	440
Geriatric Hospital	7	15	10	22	54
Asst. U/S for Medical Services	3	1	—	2	6
Training Directorate	11	14	3	2	30
Pharmacy and Drug Control	2	6	—	—	8
College of Health Sciences	19	51	12	38	120
SMC (Chief of Medical Staff)	119	64	79	49	311
Overseas Training	33	16	—	—	49
Local Training	9	42	—	—	51
T O T A L	1915	1629	574	986	5104

Table 7.3
MANPOWER IN SALMANIYA MEDICAL CENTER, MINISTRY OF HEALTH
BY DEPARTMENT, NATIONALITY & SEX
31 st DECEMBER 1987, BAHRAIN

Department	Bahraini		Non-Bahraini		Total
	Male	Female	Male	Female	
Administration	9	3	—	1	13
Medical Records Section	39	34	—	1	74
Social Services	—	4	—	—	4
Professional & Diagnostic Serv.	1	—	—	—	1
Radiology (Technical)	27	20	3	6	56
Pathology (Technical)	26	54	27	10	117
Pharmacy	12	22	3	1	38
Prosthetics & Orthotics	8	1	1	—	10
Dietetic Unit	1	3	—	4	8
General Support Services	1	1	—	—	2
Food Services	42	32	3	1	78
Food Stores	7	4	—	—	11
Domestic Services	62	101	44	9	216
General Services Section	77	1	1	—	79
Transport and Grounds	90	—	5	—	95
Central Sterilizer Supp. Unit	11	15	—	—	26
Hospital Supply Services	10	7	1	—	18
Limited Private Practice	2	1	—	—	3
Nursing Department	132	223	41	437	833
Physiotherapy	7	5	8	5	25
T O T A L	564	531	137	475	1707

Table 7.4

MANPOWER IN HEALTH CENTERS, MINISTRY OF HEALTH
BY CATEGORY, NATIONALITY & SEX
31 st DECEMBER 1987, BAHRAIN

Health Center	Bahraini		Non-Bahraini		Total
	Male	Female	Male	Female	
Chief of Med. Staff Off.	4	5	4	3	16
Administration	43	14	-	2	59
Workers Health Services	9	12	3	3	27
Muharraq H.C.	9	34	5	10	58
Sheik Salman H.C.	12	31	3	11	57
Dair H.C.	7	8	1	1	17
Hidd H.C.	4	10	1	1	16
Al-Naim H.C.	17	59	9	16	101
Ibn Sinna H.C.	11	31	4	9	55
Sheik Sabah Al Salem H.C.	13	21	2	7	43
Al-Hooraa H.C.	10	21	1	4	36
Jidhafs H.C.	9	28	4	11	52
Issa Town H.C.	11	28	6	4	49
Budayie H.C.	13	21	1	4	39
Bilad Al-Kadem H.C.	11	16	2	3	32
A' Ali H.C.	6	9	1	2	18
East Riffa H.C.	7	33	2	5	47
Sitra H.C.	12	23	5	6	46
W.Region H.C.	14	23	3	1	41
Hamad Town H.C.	12	20	-	-	32
West Riffa H.C.	7	8	1	1	17
T O T A L	241	455	58	104	858

Table 7.5
MEDICAL MANPOWER IN MINISTRY OF HEALTH
BY CATEGORY & NATIONALITY
BAHRAIN, 1983 - 1987

Category	1983		1984		1985		1986		1987	
	Bah	N-Bah	Bah	N-Bah	Bah	N-Bah	Bah	N-Bah	Bah	N-Bah
Physicians	154	205	176	227	192	218	198	200	216	196
Dentists	11	11	9	15	9	15	10	16	14	14
Pharmacists & Pharmacy Tech.	96	13	98	13	107	9	106	6	103	6
Nurses (Staff Nurses & above)	111	840	136	861	154	868	179	853	196	839
Dental Hygienists & Tech.	1	-	1	-	2	-	4	-	4	-
Lab. Technologists & Tech.	74	44	84	51	85	50	93	51	100	47
Radiographer & Tech.	40	8	44	5	40	8	41	7	42	8
Physiotherapists/Occup. Therapist & Tech.	10	11	9	14	10	13	8	14	9	14

SECTION EIGHT: COLLEGE OF HEALTH SCIENCES

Table 8.1
NUMBER STUDENTS ENROLLED AT COLLEGE OF
HEALTH SCIENCES FOR THE ACADEMIC YEAR 1987

Programme	Number
<u>B.SC. NURSING</u>	24
<u>PRE B.SC. NURSING</u>	4
<u>POST BASIC DIPLOMA</u>	
- Teacher Training	10
- Community	6
- Midwifery	6
- Health Care Administration	20
<u>ASSOCIATE DEGREE</u>	
- Nursing	259
- Laboratory	28
- Pharmacy	27
- Public Health	12
- Medical Secretary	29
- Dental Hygiene	20
- Radiography	17
- Medical Equipment	17
- Sport Therapy	10
- Practical Nursing	124
<u>VOCATIONAL MEDICAL EQUIPMENT</u>	15
<u>ON-THE-JOB-TRAINING</u>	190
T O T A L	818*

* Excluding students enrolled in part-time & Continuing Education

Table 8.2

NUMBER OF GRADUATES FROM COLLEGE OF HEALTH
SCIENCES DURING THE PERIOD 1978 - 1987

Programme	Number
<u>B.SC. DEGREE</u>	
Baccalaureate in Nursing	19
<u>POST BASIC DIPLOMA</u>	
- Health Occupation Teacher Training	74
- Psychiatric Nursing	15
- Midwifery	56
- Community Health Nursing	27
<u>ASSOCIATE DEGREE IN HEALTH SCIENCES</u>	
- General Nursing	264
- Laboratory	105
- Pharmacy	97
- Radiography	50
- Public Health	70
- Medical Equipment	39
- Sport Therapy	13
- Medical Secretary	37
<u>CONTINUING EDUCATION PROGRAMME</u>	
- New Nursing Stream	461
- Maternal and Child Health Care	37
- Health Care Administration	46
- Vocational Medical Equipment Repair and Maintenance.	74
T O T A L	1484

SECTION NINE: BAHRAIN DEFENCE FORCE HOSPITAL

Table 9.1
 NUMBER OF BEDS IN BDF HOSPITAL BY SPECIALTY - (1983-1987)

Specialty	1983	1984	1985	1986	1987
V.I.P.	3	3	3	3	3
Intensive Care Unit	—	—	—	8	4
Coronary Care Unit	—	—	—	—	5
Obstetrics	18	18	26	26	26
Day Case Unit	—	—	6	6	6
Ward-1 Medical (Male)	8	8	8	20	20
Ward-2 Paediatrics	20	20	20	20	20
Ward-3 Urology/ENT (Male)	20	20	20	20	20
Ward-4 Orthopaedic/ Gen.Surgery (Male)	20	20	20	20	20
Ward-5 Surgical (ENT,Urology Gynaecology,Medical Orthopaedics) - (Female)	20	20	20	20	20
Ward-6 Officers (General)	8	8	12	12	12
Ward-7 Medical (Female)	—	—	28	16	16
Ward-8 Surgical (M/F)	—	—	—	20	24
T O T A L	117	117	163	191	196

Table 9.2
PHYSICIANS & TECHNICIANS AT B.D.F HOSPITAL BY SPECIALIZATION
NATIONALITY & SEX, BAHRAIN 1987

Specialization	Bahraini			Non-Bahraini			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	General Physicians	1	1	2	11	4	15	12	5	17
Medical	3	2	5	6	2	8	9	4	13
Surgical	2	-	2	10	-	10	12	-	12
Obs. & Gyn.	-	3	3	1	5	6	1	8	9
Paediatrics	1	2	3	5	1	6	6	3	9
Anaesthesia	-	-	-	6	-	6	6	-	6
E.N.T.	1	-	1	3	-	3	4	-	4
Ophthalmology	-	-	-	-	-	-	-	-	-
Aviation Medicine	1	-	1	1	-	1	2	-	2
Sports Medicine	1	-	1	-	-	-	1	-	1
Dentistry	-	-	-	3	-	3	3	-	3
Physiotherapy Tech.	2	2	4	2	3	5	4	5	9
Laboratory Tech.*	6	5	11	8	-	8	14	5	19
X-ray Tech. **	3	3	6	5	3	8	8	6	14
Pharmacy Tech.	1	6	7	1	4	5	2	10	12
T O T A L	22	24	46	62	22	84	84	46	130

* Including 1 Bahraini Physicians & 3 Non-Bahraini Physicians

** Including 1 Bahraini Physicians & 3 Non-Bahraini Physicians

Table 9.3
ABSOLUTE & PERCENTAGE DISTRIBUTION OF IN-PATIENTS AT BDF HOSPITAL
(1985-1987)

Wards	In-patients					
	1985		1986		1987	
	No.	%	No.	%	No.	%
V.I.P.	39	0.4	51	0.4	39	0.3
Coronary Care Unit	310	3.3	294	2.7	277	2.2
Intens. Care Unit	55	0.6	65	0.6	77	0.6
Day Case Unit	1555	17.0	2505	23.0	2834	23.2
Obs/Gynaec.	1272	13.8	1550	14.2	1797	14.7
Ward-1 Medical (M)	-	-	448	4.1	687	5.6
Ward-2 Paediatrics	1116	12.0	1353	12.4	1641	13.4
Ward-3 Urology/ENT	1265	13.7	1162	10.7	1377	11.3
Ward-4 Orthop/Surg.	1324	14.3	1042	9.6	1051	8.6
Ward-5 Surgical	876	9.5	1318	12.1	1403	11.5
Ward-6 Officers	682	7.4	606	5.5	452	3.7
Ward-7 Medical (F)	803	8.7	446	4.1	577	4.7
Ward-8 Surgical M/F	-	-	108	0.9	63	0.5
T O T A L	9297	100	10948	100	12275	100

Table 9.4
ABSOLUTE & PERCENTAGE DISTRIBUTION OF OUT-PATIENTS ATTENDANCE
TO GENERAL CLINICS & CONSULTANTS CLINICS AT BDF HOSPITAL
(1985-1987)

Description	Out-patients					
	1985		1986		1987	
	No.	%	No.	%	No.	%
Accident & Emery.	23107	14.1	33098	19.7	32234	16.0
Road Traffic Acc.	596	0.4	648	0.4	729	0.3
General Practice	77970	47.5	73675	43.9	94940	47.0
Dental Clinic	9844	6.0	9307	5.5	8466	4.2
Consultant Clinic	51260	31.3	49181	29.3	64055	31.6
Recruitment	1202	0.7	2010	1.2	1898	0.5
T O T A L	163979	100	167910	100	202322	100

Table 9.5
REGISTERED LIVE BIRTHS IN BDF HOSPITAL BY NATIONALITY & SEX (1985-1987)

Year of Birth	Nationality/Sex						T o t a l		
	Bahraini			Non-Bahraini			Male	Female	
	Male	Female	Total	Male	Female	Total	Male	Female	
1985	238	230	468	181	198	379	419	428	847
1986	327	339	666	270	277	547	597	616	1213
1987	421	391	812	359	310	669	780	701	1481

Table 9.6
 REGISTERED BIRTHS BY CASES AT BDF HOSPITAL
 (1985-1987)

Cases	Year		
	1985	1986	1987
Deliveries	869	1210	1489
Twins	8	18	15*
New-Born	877	1228	1506
Still Births	17	7	18
Neo-natal Deaths	13	8	7
Birth Alive	847	1213	1481

* Including 1 set of Triplets

SECTION TEN: PRIVATE HOSPITALS

Table 10.1
NUMBER OF BEDS IN THE PRIVATE HOSPITALS
BAHRAIN, 1987

Hospital	No. of Beds
American Mission Hospital	40
Awali Hospital	38
International Hospital	62
T O T A L	140

Table 10.2
DISTRIBUTION OF HEALTH MANPOWER IN PRIVATE
HOSPITALS BY CATEGORY OF PERSONNEL & HOSPITAL
BAHRAIN, 1987

Category	A.M. Hospital	Awali Hospital	Int. Hospital
Physicians	9	10	28
Dentists	—	3	1
Dental Assistants	—	3	—
Pharmacists	1	2	2
Pharmacy Technicians	—	2	—
Physiotherapists	1	2	3
Staff Nurse	23	10	22
Professional Nurses	—	13	11
Auxillary Nurses	15	32	12
Nursing Admin. Staff	1	1	1
Nursing Anaesthetists	1	—	—
Nursing Tutors	1	—	—
Lab. Technicians	5	5	5
Public Health Staff	—	9	—
X-ray Technicians	2	2	3
T O T A L	59	94	88

Table 10.3

DISTRIBUTION OF ADMISSIONS TO PRIVATE HOSPITALS BY SEX & NATIONALITY, BAHRAIN 1987

Hospital	Male	Female
American Mission Hospital	454	942
International Hospital	3031	2693
Awali Hospital	1136	454
T O T A L	4621	4089

Table 10.4

DISTRIBUTION OF ADMISSIONS TO PRIVATE HOSPITALS BY NATIONALITY, BAHRAIN 1987

Hospital	Bah	Non N-Bah
American Mission Hospital	791	605
International Hospital	3649	2075
Awali Hospital	1063	527
T O T A L	5503	3207

Table 10.5

NUMBER OF OUTPATIENT VISITS OF PRIVATE HOSPITALS, BAHRAIN 1987

Hospital	Visits
American Mission Hospital	48118
International Hospital	34991
Awali Hospital	58023
T O T A L	141132

Table 10.6

NUMBER OF OUTPATIENT VISITS BY SPECIALITY TO AMERICAN MISSION HOSPITAL & INTERNATIONAL HOSPITAL, BAHRAIN 1987

Speciality	A.M. Hospital	Int. Hospital
Dental	—	5011
Dermatology	—	1592
E.N.T.	—	2055
Medical	26903	8216
Obs/Gyn	9740	7443
Ophthalmology	—	2877
Orthopedics	—	2053
Paediatrics	5800	3270
Surgical	5675	1644
Urology	—	584
Other	—	246
T O T A L	48118	34991

Table 10.7

DISTRIBUTION OF DELIVERIES IN THE PRIVATE
HOSPITALS BY SEX, BAHRAIN 1987

Category	A.M. Hospital			Awali Hospital			Int. Hospital		
	M	F	T	M	F	T	M	F	T
Total Deliveries	116	110	226	85	65	150	206	197	403
Total Live Births	116	110	226	85	65	150	203	197	400
Twins (Sets)	-	-	1	-	-	1	2	-	2
Still Births	-	-	-	-	-	-	3	-	3

Table 10.8

DISTRIBUTION OF DELIVERIES IN THE PRIVATE
HOSPITALS BY NATIONALITY, BAHRAIN 1987

Category	A.M. Hosp.		Awali Hosp.		Int. Hosp.		Total	
	Bah	N-Bah	Bah	N-Bah	Bah	N-Bah	Bah	N-Bah
Total Deliveries	122	104	53	97	298	105	473	306
Total Live Births	122	104	53	97	295	105	470	306
Twins (Sets)	1	-	-	1	2	-	3	1
Still Births	-	-	-	-	3	-	3	-

29 SEP 1989

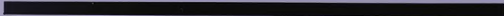
CENTRE FOR ARAB GULF STUDIES

UNIVERSITY OF EXETER

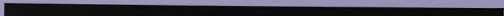


وزارة الصحة
دولة البحرين

MINISTRY OF HEALTH
STATE OF BAHRAIN



ANNUAL REPORT **التقرير السنوي**
1987 ١٩٨٧



Prepared by :
Bahrain Health Information Center
P.O. Box 12, Ministry of Health, State of Bahrain.
Arabian Gulf.



وزارة الصحة
دولة البحرين

MINISTRY OF HEALTH
STATE OF BAHRAIN

ANNUAL REPORT

1987

التقرير السنوي

١٩٨٧

Prepared by :
Bahrain Health Information Center
P.O. Box 12, Ministry of Health, State of Bahrain.
Arabian Gulf.