



وزارة الصحة
إدارة طب الأسنان

MINISTRY OF HEALTH
KUWAIT DENTAL ADMINISTRATION

التقرير السنوي 2012
Annual Report 2012

الإصدار الحادي والثلاثون
Thirty-first Edition



صاحب السمو الشيخ صباح الأحمد الجابر الصباح
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سمو الشيخ نواف الأحمد الجابر الصباح
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INTRODUCTION

Ministry of Health of Kuwait, represented by Kuwait Dental Administration follows a scientific policy and a clear methodology for the establishment of an integrated medical system in the various specialties of dentistry which is one of the most expensive medical specialties in terms of financial and human resources.

Now there is Kuwaiti dentist team who specialized in all dental specialties, working with colleagues of other nationalities in all health centers, either in the government sector or the private sector, providing services of treatment and prevention specialist in all branches of dentistry and it's needs. They use equipment, technology and advanced materials in the treatment which reflected positively on the general health situation of the population.

We look into the extent of the quality of health services provided by the State of Kuwait and its location among the progressed world and the continuously striving does not stop to develop and improve the services to match the best international standards.

Kuwait Dental Administration is also working on the upbringing of promising generation who is able to take responsibility and aware of his medical mission . We are confident that this generation will be able to take this task with honesty, knowledge and wisdom to be qualified for the requirements for the next interval.

We provide in this report the achievements made during the year 2011 in the field of dentistry through the sincere efforts of all personnel working in Kuwait Dental Administration (Doctors, technicians and administrators), as well as strategies and comprehensive information needed to support the ongoing development and modernization, and we hope to show you the vision of Kuwait Dental Administration towards a promising future for dental services in Kuwait by the God will.

Finally I wish to thank Dr. Khaled Tolba for his contribution in the preparation , performing and printing of this report.

Dr. Yousef Al Duwairi
Assistant Undersecretary for Dental Affairs

STRATEGY OF KUWAIT DENTAL ADMINISTRATION

Kuwait Dental Administration seeks to achieve a radical change - in form and substance - in the style of service delivery after the extensive study of the mechanism provided for dental services in various dental clinics in order to utilize all the possibilities, the available facilities and the potential development. Also, we are working to improve the provided preventive and curative dental services and raises awareness of oral health for all segments of the community.

Mission :

- Evaluation of the provided services and study of the strengths, weaknesses, constraints and opportunities for progress.
- Develop plans, priorities and development programs to overcome the weaknesses and remove obstacles and support opportunities for progress, also exploitation of the possibilities to ensure the organization of the work according to established criteria and a clear system.
- Raising the efficiency of human resources and improve the environment of scientific, practical and financial to them, also attention to the aspirations of the new generation of doctors and staff and create a spirit of fair competition between them to achieve better services.
- Development of oral health services currently provided and raises the efficiency of facilities and equipment and the expansion of curative and preventive services with the updated potentials and ensure a balanced distribution of services between the regions of the State of Kuwait.
- Monitoring and follow-up of medical and administrative performance of all sectors of Kuwait Dental Administration and the private sector to ensure compliance and quality of services provided.
- Fruitful cooperation between Kuwait dental Administration and the Kuwait Institute for Medical Specialization and The Faculty of Dentistry and Kuwait Dental Association and all auxiliary sectors to support the constants of medical work and the ethics of the profession.

Vision :

- Access to a generation that has the highest degree of oral and dental health.
- Improve the treatment and preventive oral health services to comply with the global averages.
- Raise awareness of oral health for all individuals of the society.
- Active scientific participation in international scientific forums to link the services with provided updates.
- Working to deposit the State of Kuwait among the list of developed countries in the field of dentistry.

Values :

These values are a measure to estimate the expectations for the quality of services provided and the satisfaction of the beneficiaries of these services:

- **Effectiveness:** Providing services with skill and seriousness, respect and reverence for the recipients of services.
- **Teamwork:** To create the necessary atmosphere of teamwork and the opportunity for each person to perform his duties.
- **Transparency:** Clarity of tasks and explain the trends and policies of those in charge of these services.
- **Initiative:** Initiative to shoulder responsibilities and to encourage others to take what belongs to them to be actors towards achieving the desired goals.
- **Commitment:** Foresighted Commitment by constants according to the medical and administrative systems and rules.
- **Quality:** To accommodate all cases, the recipient of the service with the effort to work on making the service provided consistent quality service, superior service to match the best global proportions.

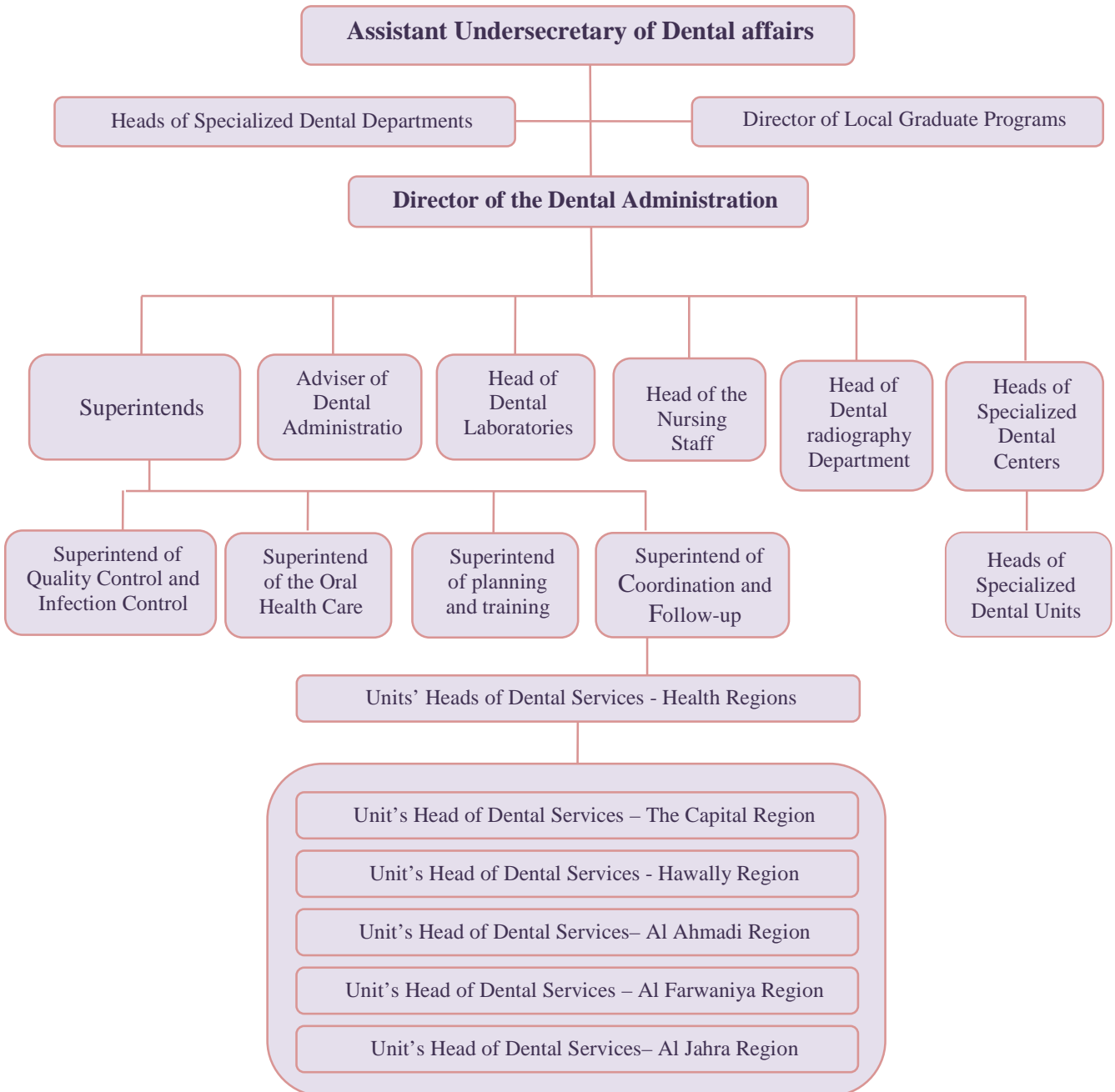
PROGRAMS TO DEVELOP THE PERFORMANCE OF KUWAIT DENTAL ADMINISTRATION

Medical work is a great responsibility, borne by all members who work on its performance. In order to be successful in this performance , it must be built on consistent principles, clear policies, and harmonious with the spirit of modern times.

To adopt this, Dental Administration works according to an ambitious strategy and a clear vision of the present potentials and future requirements as follows:

- **Development of primary dental services:** Aiming to upgrade the diagnostic and curative dental treatment in the primary health care centers and access to the rate of dentist population ratio to be one dentist per 3000 population through the rehabilitation and upgrading of the dental clinics and increase their number and equip it with the modern equipments, also through training and rehabilitation of an integrated team characterized by high efficiency to provide a comprehensive services - quality not quantity - to achieve the satisfaction of the beneficiaries of the service and to reduce the overload and effort on the specialist clinics and save that effort for the advanced or complex cases.
- **The local graduate programs :** To provide the local opportunities for Kuwaiti doctors whose circumstances did not allow them to travel abroad to obtain higher international degrees and also to increase their chances to join to specialist graduate programs in the United Kingdom and the United States of America. The program also aims to create a new generation of general practitioners in highly qualified dental skills who can contribute to a qualitative shift in the pattern of dental services in primary health care centers.
- **The development of diagnostic and curative dental services:** This program is achieved through updating the service provided in dental specialist centers, and provide the latest hardware and tools, raise the level of technical performance of the doctors , nursing staff and the technicians to keep pace with scientific progress in the field of dentistry. And it also introduces new services such as service of dental implants to provide therapeutic alternatives to replace the field of Prosthodontics, and continue the development of dental casualty department with qualified staff to provide the service throughout the day.
- **Program of continuing medical education and training:** This program aims to provide scientific support for the dentists and follow up on the latest medical developments, and to raise and support the technical performance in all dental sectors.
- **National Oral Health Program:** It contains several sub-programs to provide preventive and curative services to the students, and the patients with special needs. It also aims to control the spreading of oral infections and to reduce tooth decay and oral diseases, as well as educational program to provide information about oral health to spread health awareness and to indicate the importance of oral health for all segments of society.
- **Program to improve the quality of health care:** This is done through the development of care procedures and work systems, to deliver health care according to quality standards and the requirements for international accreditation and to achieve continuous improvement of the quality of care.
- **Program to introduce of information technology:** in order to configure an integrated database as an infrastructure for essential information and to facilitate and speed up decision-making as well as raising managerial performance.

ADMINISTRATIVE STRUCTURE OF KUWAIT DENTAL ADMINISTRATION



SERVICES PROVIDED BY KUWAIT DENTAL ADMINISTRATION

Dental Administration prescribes the public policies and development programs provided for dental services. It also it prepares and follow-up the budget, manpower ,equipment and prepares the standards and technical requirements for all dental clinics and dental centers .It coordinates the efforts through regular meetings of its boards (the Coordinating Council of dental Affairs - The Council of dental Specialty departments), as well as the monitoring and supervising the performance of career, technical workers and the quality of dental services provided by the private sector.

Dental Administration provides the ,preventive and curative dental services - primary and specialized- across various dental sectors as follows:

1 - **Oral Health Services:** Provides for school students and those with special needs through oral health school programs distributed in each governorate and its clinics in the public schools , the institutes for people with special needs and the oral health centers belonging to monitor the oral health.

2 - **Primary Health Care of Dental Services (General treatment):** provided by dental departments and its clinics working in primary health care centers (Polyclinics) distributed in all health districts. It provided under the management of Heads of Dental Services Units –Health Districts and under the control and follow-up of the Monitor Coordination and Follow-up in Dental Administration

3 - **Specialist dental services:** provided through specialized dental centers distributed over the governorates of the state under the control and follow-up of the council of Specialized Dental Departments.

4 - **Casualty dental services:** provides casualty and emergency dental services through the casualty dental clinics in public hospitals and specialized dental centers around the clock.

General Information

Table (1)

A comparison for a number of states explains the position of State of Kuwait globally

Location	Most Recent Population (In thousand total)	Number of dentistry personnel	Year	Dentistry personnel density (Per 10,000 population)
India	1,151,751	55058	2004	< 1
Sudan	37,707	944	2006	< 1
Yemen	21,732	850	2004	<1
Iraq	28,506	3460	2005	1
Morocco	30,853	3091	2004	1
Pakistan	160,943	15790	2005	1
South Africa	48,282	5995	2004	1
Syrian Arab Republic	19,408	2306	2006	1
Iran	70,270	13210	2005	2
Oman	2,546	460	2005	2
Saudi Arabia	24,175	4235	2004	2
Thailand	63,444	10459	2000	2
Algeria	33,351	9553	2002	3
Egypt	74,166	25170	2005	3
Kuwait 2005	2,779	810	2005	3
Russian Federation	143,221	45628	2006	3
Tunisia	10,215	2452	2004	3
Turkey	73,922	23798	2006	3
United Arab Emirates	4,248	850	2002	3
Bahrain	739	300	2005	4
Switzerland	7,455	3847	2006	5
Italy	58,779	37000	2006	6
Philippines	86,264	43220	2002	6
France	61,330	41374	2006	7
Argentina	39,134	28900	1998	8
Denmark	5,430	4530	2004	8
Germany	82,641	65683	2006	8
Sweden	9,078	7270	2002	8
Finland	4,490	4490	2006	9
Lebanon	4,055	3260	2004	9
Norway	4,669	4126	2006	9
United Kingdom	60,512	58729	1997	10
Australia	20,530	21296	2001	11
Brazil	189,323	190448	2000	11
Canada	32,577	38310	2006	12
United States Of America	302,841	463663	2000	16

Source WHO website on the Internet <http://www.who.int/whosis/data/Search.jsp>

Table (2)

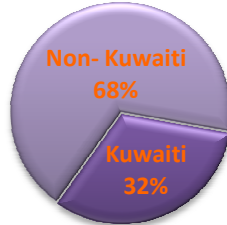
No. of Population by Governorates , Nationality and Gender 30/6/2012

Governorate		Capital	Hawally	Ahmadi	Jahra	Farwaniya	Mubarak Al-Kabeer	Not stated	Total
Nationality									
Kuwaiti	Male	110974	101195	124538	75325	106568	68130	162	586892
	Female	117120	104158	126994	79253	111691	69550	148	608914
	Total	228094	205353	251532	154578	218259	137680	310	1195806
	%	19.07	17.17	21.04	12.93	18.25	11.51	0.03	100.00
Non-Kuwaiti	Male	173137	350927	350400	193205	572568	53105	2919	1696261
	Female	120711	264565	140083	132543	212182	42421	2071	914576
	Total	293848	615492	490483	32748	784750	95526	4990	2610837
	%	11.25	23.57	18.79	12.48	30.06	3.66	0.19	100.00
Grand Total	Male	284111	45122	474938	268530	679136	121235	3081	2283153
	Female	237831	368723	267077	211796	323873	111971	2219	1523490
	Total	521942	820845	742015	480326	1003009	233206	5300	3806643
	%	13.71	21.56	19.49	12.62	26.35	6.13	0.14	100.00

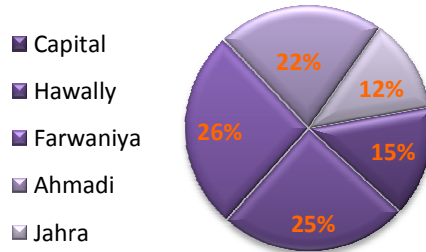
(Source: General Secretariat of the Supreme Council for Planning and Development - Secretariat of Planning affairs)

Management of human development - The basic features of the population and manpower on 30/6/2012 - Fortieth Edition

Percentage of population by nationality



Percentage of population by governorates



Distribution of population by nationality in the governorates of Kuwait

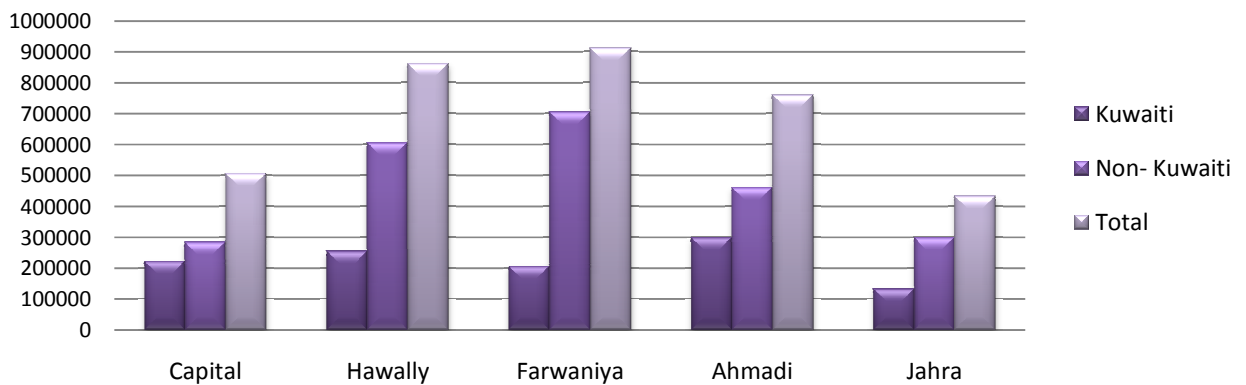


Table (3)
No. of manpower In Dental Administration 2012

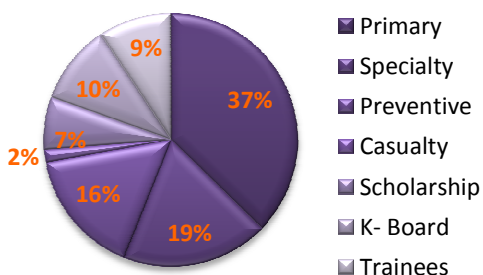
Manpower	Nationality	Dental Specialized Centers	Primary Dental Services	Oral Health Programs	Dental Casualty	Scholarship	Kuwait Board Candidates	Trainees (Resident Dentists)	Total
Dentists	Kuwaiti	250	344	38	0	102	156	134	1024
	Non- Kuwaiti	135	226	208	25	0	0	8	602
	Total	285	570	246	25	0	156	142	1424
Nursing Staff	Kuwaiti	73	22	26	0	0	0	0	121
	Non- Kuwaiti	250	470	361	0	0	0	0	1081
	Total	323	492	387	0	0	0	0	1202
Sterilization techniques	Kuwaiti	27	0	0	0	0	0	0	27
	Non- Kuwaiti	0	0	0	0	0	0	0	0
	Total	27	0	0	0	0	0	0	27
Oral health hygienists	Kuwaiti	16	38	20	0	0	0	0	74
	Non- Kuwaiti	6	9	10	0	0	0	0	25
	Total	22	47	30	0	0	0	0	99
Dental-lab technicians	Kuwaiti	21	0	0	0	0	0	0	21
	Non- Kuwaiti	109	0	0	0	0	0	0	109
	Total	130	0	0	0	0	0	0	130
Dental Radiographers	Kuwaiti	4	13	1	0	0	0	0	18
	Non- Kuwaiti	37	111	7	0	0	0	0	155
	Total	41	124	8	0	0	0	0	173
Administrators	Kuwaiti	133	0	9	0	0	0	0	142
	Non- Kuwaiti	5	0	32	0	0	0	0	37
	Total	138	0	41	0	0	0	0	179
Total (Kuwaiti)		424	417	94	0	102	156	134	1427
Total (Non-Kuwaiti)		542	816	618	25	0	0	8	2009
Grand Total		966	1233	712	25	102	156	142	3234
<ul style="list-style-type: none"> • There are (23) of engineers and maintenance technicians for maintaining and repairing of dental equipments. • Total No. of employers = 3234 + 23 = 3257 									

Table (4)

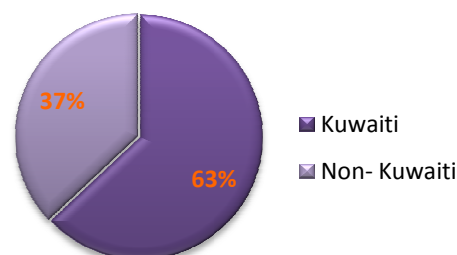
Distribution of the dentists by nationality & nature of the work 2012

No	Field	Kuwait	Non-Kuwaiti	Total
1	Primary Dental Services	344	226	570
2	Specialty Dental Services	250	135	285
3	Preventive Programs	38	208	246
4	Casualty Dental Services	0	25	25
5	Scholarship	102	0	102
6	Kuwait Board Candidates	156	0	156
7	Trainees (resident dentists)	134	8	142
Grand total		1024	602	1526

Distribution of dentists by nature of the work 2012



Distribution of dentists by nationality 2012

**Table (5)**

Rate of the population and the patients per each dentist in the government sector 2012

No. of population	No. of the patients	No. of Dentists	Population per dentist	Patients per dentist
3,806,643	2,260,554	1526	2495	1481

Table (6)

Proportion of population per dentist (Sum of the government and private sector) 2012

No. of population	N0. of dentists (Public + private)	Population per dentist (Public + private + KW Uty)
3,806,643	2155 (1526 Gov. + 564 Priv.+ 65 KW Uty)	1766

Table (7)

A comparison between the numbers of dentists
in government and private sectors by nationality

Year	Government Sectors			Private Sectors			Grand Total
	Kuwait	Non-Kuwaiti	Total	Kuwait	Non-Kuwaiti	Total	
1999	163	485	648	44	96	140	788
2000	200	486	686	43	95	138	824
2001	225	492	717	45	108	153	870
2002	253	492	745	41	127	168	913
2003	276	465	741	56	164	220	961
2004	288	476	764	75	202	277	1041
2005	330	482	812	95	228	323	1135
2006	349	477	826	106	228	334	1160
2007	378	537	915	104	256	360	1275
2008	495	513	1008	88	291	379	1387
2009	583	512	1095	88	291	379	1474
2010	675	496	1171	88	399	487	1658
2011	814	530	1344	52	420	472	1816
2012	1024	602	1526	88	476	564	2090

A comparison of the number of dentists
in the government sector and private sector for the period 1999 -2012

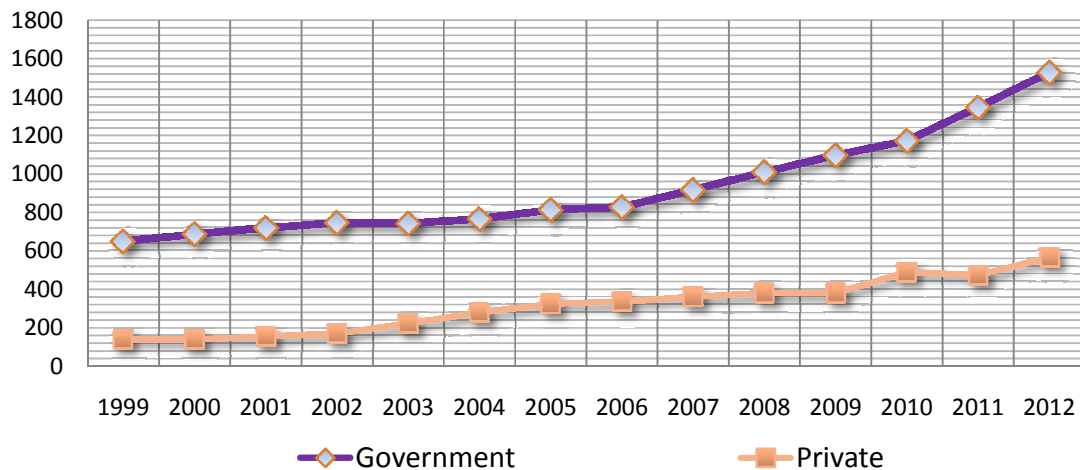


Table (8)
Annual Number of Visitors By The Type of Treatment 2012

No	Type of the work	No. of Patients
1	No. of the patients in Primary Dental Services	1218191
2	No. of the patients in Specialty Dental Services	489273
3	No. of the patients in Preventive Dental Services	445195
4	No. of the patients in Casualty Dental Services	107895
Total		2,260,554

Annual number of visitors by the type of treatment 2012

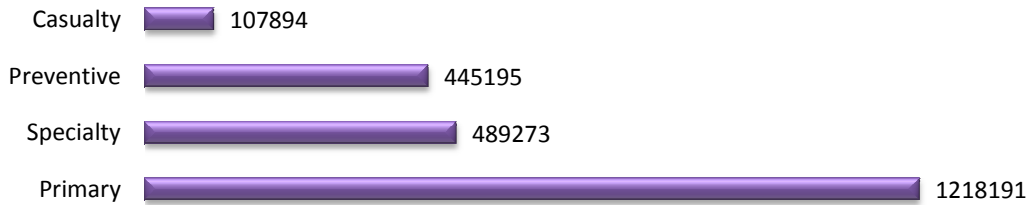


Table (9)
Information about clinics and dental X-ray machines
in various specialized centers , health Regions and preventive programs 2012

No.	Centers	No. of Clinics	Dental Ray- machines			
			General X-ray Machines P.A	General x-ray Machines O.P.G	X-ray Machines Inside the Clinics	Total
1	Specialized dental center (Amiri)	71	4	3	14	21
2	Specialized Center for Advancement of Dental Services (SCADS) (Under reconstruction)	8	1	0	5	6
3	Benaïd Al gar specialized dental center	42	2	1	10	13
4	Al Farwaniya specialized dental center	41	5	2	9	16
5	Al Adan specialized dental center	41	5	2	8	15
6	Al Jahra specialized dental center	42	5	2	8	15
7	The Capital health region	77	13	3	12	28
8	Hawally health region	53	13	2	4	19
9	Al Farwaniya health region	73	12	1	15	28
10	Al Ahmadi health region	57	13	2	6	21
11	Al Jahra health region	36	9	2	3	14
12	The Capital program school oral health	26	1	0	2	3
13	Hawally school oral health program	27	1	0	2	3
14	Al Farwaniya school oral health program	34	1	0	2	3
15	Al Jahra school oral health program	38	1	0	2	3
16	Al Ahmadi school oral health program	51	1	0	2	3
17	Mubarak Al-Kabeer school oral health program	27	1	1	2	4
18	Kuwait-school oral health program for handicapped	3	0	0	1	1
Grand Total		747	88	21	107	216

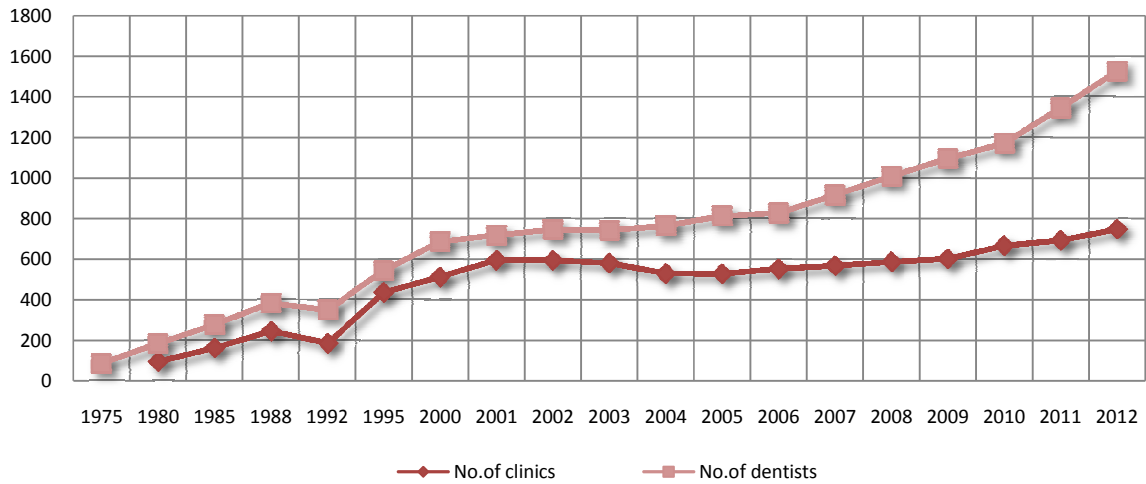
Note: There are a number of dental clinics closed in 2012 for reasons of rehabilitation was not included in the total.

Table (10)

Comparisons From the year (1951) until the year (2012)

Year	No. of Dentists			Population		No. of Clinics	No. of Patients
	Kuwaiti	Non-Kuwaiti	Total	No. Of Population	Rate of Population per Dentist		
1951	0	2	2				
1952	0	5	5				
1953	0	7	7				
1956	0	12	12				
1961	1	26	27				
1965	2	39	41				
1971	14	36	50				
1974	24	46	70				
1975	35	50	85	1,600,000	18824		
1976	36	59	95	1,070,000	11263	58	
1977	48	66	114	1,138,000	9982	65	
1978	60	75	135	1,211,000	8970	70	
1979	66	96	162	1,290,000	7963	78	685,431
1980	78	105	183	1,370,000	7486	94	749,820
1981	92	115	207	1,432,000	6918	106	871,321
1982	92	132	224	1,496,000	6679	116	913,732
1983	95	140	235	1,564,000	6655	141	1,048,559
1984	93	167	260	1,636,000	6292	156	1,157,886
1985	95	182	277	1,695,000	6119	162	1,229,759
1986	94	235	329	1,787,791	5434	192	1,379,977
1987	95	257	352	1,881,061	5344	221	1,382,747
1988	91	292	383	1,958,477	5114	244	1,460,703
1992	84	264	348	1,398,059	4017	184	1,258,390
1993	86	349	435	1,433,205	3295	312	1,427,524
1994	89	413	502	1,620,086	3227	372	1,573,753
1995	92	450	542	1,575,983	2908	435	1,712,659
1996	98	471	569	2,016,037	3543	443	1,738,023
1997	104	479	583	2,152,775	3693	457	1,743,460
1998	128	478	606	2,238,102	3693	475	1,734,925
1999	163	485	648	2,273,719	3509	485	1,707,826
2000	200	486	686	2,228,363	3248	511	1,572,050
2001	225	492	717	2,243,080	3128	594	1,542,773
2002	253	492	745	2,363,325	3172	593	1,544,301
2003	276	465	741	2,484,334	3353	580	1,497,899
2004	288	476	764	2,644,777	3462	528	1,538,973
2005	330	482	812	2,866,888	3531	527	1,566,581
2006	349	477	826	3,051,845	3695	551	1,955,498
2007	378	537	915	3,328,136	3637	567	2,077,294
2008	495	513	1008	3,399,637	3373	586	2,027,058
2009	583	512	1095	3,442,945	3144	601	1,986,427
2010	675	496	1171	3,484,881	2976	666	2,049,843
2011	814	530	1344	3,582,055	2665	691	2,041,930
2012	1024	602	1526	3,806,643	2495	747	2,260,554

Rates of increase in the number of dentists and the number of clinics



Rates of increase in population and the number of Patients

