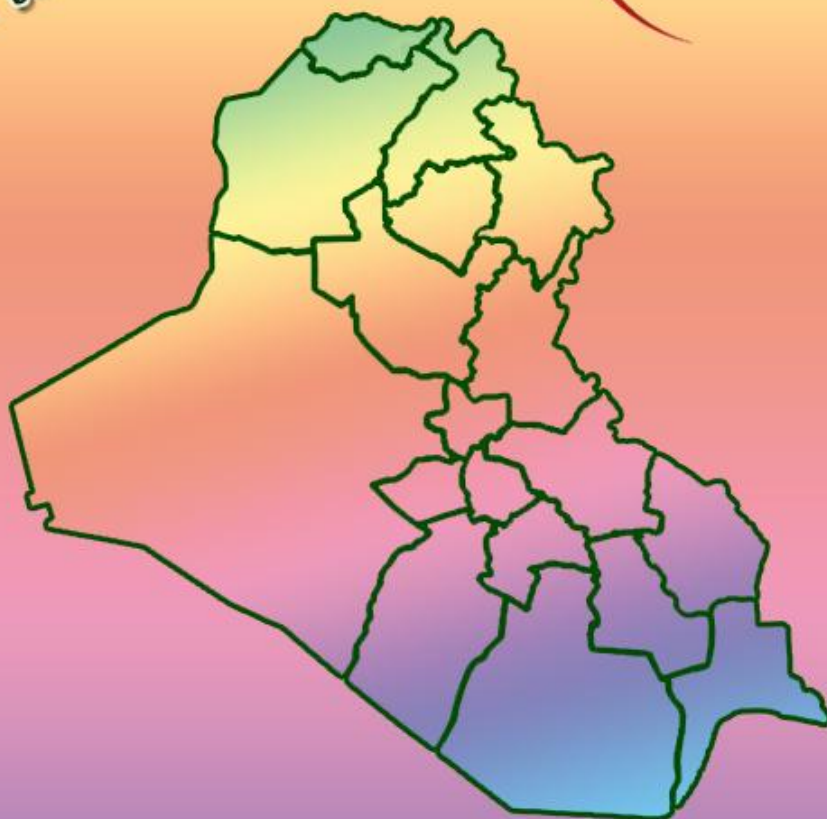


Republic of Iraq



Iraqi Cancer Registry 2009

MINISTRY OF HEALTH

IRAQI CANCER REGISTRY
2009

IRAQI CANCER BOARD
IRAQI CANCER REGISTRY CENTER
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2012

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Iraqi Cancer Registry Center Publications:

We Have Annual Published Reports & Results of Iraqi Cancer Registry Since 1976

- 1. Results of Iraqi Cancer Registry
2005, 2006, 2007, 2008
Ministry of Health, Iraqi Cancer Board
Baghdad**

- 2. Results of Iraqi Cancer Registry
2009
Ministry of Health, Iraqi Cancer Board
Baghdad**

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-Dr. Manahil Al – mukhtar	Executive Manager of Iraqi cancer Board
-Dr. Heyem Muzahim	Manager of Cancer Registry Section
- Dr. Kadhim Husain	Manager of
- Dr. Inaam Majeed Hameed	FETP / Resident
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- Khitam Jasim	Chief Statisticians
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Objectives of IRAQI Cancer Registry:

To define the size of the cancer problem and pattern of cancer occurrence in Iraq.

To provide data on cancer for epidemiological and clinical studies.

To make data of cancer incidence and prevalence available for use by health planners and professionals in order to plan for cancer prevention, control and management in a cost effective manner.

Vision:

To meet the highest attainable international standards in cancer registration, surveillance and control.

Mission:

To register all cancer cases reported in various health institutions in Iraq and to avail the data and /or information gathered for policy development and support in cancer research, treatment, control ,prevention, and surveillance.

Data variables:

The number of assessment variables used by Iraqi cancer registry is based on the international standard variables for all cancer registries. They are various formats that may used. Iraqi cancer registry uses standards provided by the International Agency for Research on Cancer (IARC).which include:

1- Patients details: first name, father's name, family name, mother's name sex, age/date of birth, nationality, address, address detail & occupation.

2- Tumor : diagnosis date , basis of diagnosis , primary site /topography (ICD-O) code, histology/morphology (ICD-O) code, behavior ,grade and stage at diagnosis 3- Treatments : initial and subsequent treatments surgery ,radiotherapy, chemotherapy, hormonal therapy & immunotherapy.

4- Sources of data: hospital and path. Lab. / facility code number abstractor and date.

5- Follow up: patient status (alive or dead) , last contact with physician/ health care provider or if dead – date of death and cause of death.

Classification and Coding:

The primary site (topography) and histology (morphology) of the malignancies are identified and coded according to the International Classification of Diseases for Oncology third Edition (ICDO- 3), published by the World Health Organization (WHO), 2000.

Data Analysis:

The computer software program used for data entry and incidence tables output is Can Reg 4 ,developed by the International Agency for Research on Cancer, (IARC) Lyon, France ,this software has a duplicate entry checking facility. Validity checks are performed for consistency between items:

Site/histology, gender/site and age/site/histology combinations by CanReg4.Epi-info and other statistical programs were used for further analysis by the Iraqi cancer registry staff.

Age and Gender:

A total of (15251) new cases of cancer were recorded among Iraqis in year 2009, of these(7201) cases were males with incidence rate about 45.26/100000 pop. And (8050) cases were females with incidence rate about 51.10/100000 pop..

The highest incidence rate of all newly registered male cases (534.06/100000 pop.) occurred in the age group 70 years and above, and the highest incidence rate of female cases (303.33/100000pop.) were occurred in the age group (60-64) years.

The lowest incidence rate of all newly registered male cases (7.48/100000 pop.) Occurred in age group 10-14 years while the lowest incidence rate of female cases (5.86/100000 pop.) were occurred in age group 5-9 years, as in table (4) and figure(2).

Foreword:

It is my pleasure to present to you the 16th annual report of the Iraqi Cancer Registry 2009, depicting the trends and characteristics of cancer in Iraq and clarifying many misconceptions, while providing informative and reliable data to help shape policy at the national level.

Cancer has become a major public health issue in Iraq and its burden continues to grow while our population is growing still without having embraced healthy lifestyles that may help prevent many non-communicable diseases such as cancer.

The data presented in this report provide our colleagues with information on the epidemiology of cancer in Iraq and its distribution by site, gender, age groups in all governorates.

. It also serves to assist researchers, cancer experts, and policymakers in identifying priorities for developing cancer control plans, national strategies and programs for cancer screening early detection and prevention programs, and will also prove useful when planning for diagnostic and treatment services.

I appreciate the efforts of all who involved in ensuring high quality data Collection, analysis and interpretation of data, and ensure its quality through The implementation of quality control procedures.

. Acknowledgment:

The Iraqi Cancer Registry operates within the Ministry of Health, however it relies on the cooperation of a large number of hospitals in all health directorates and clinicians to provide it with the vital information required to succeed.

We would like to thank clinicians, hospitals and pathology laboratories for their continued support.

The valued support of the focal points in all hospitals and laboratories is also appreciated.

The Interactions between the registry and its stakeholders are very positive and greatly appreciated.

The dedicated hard work during the process of data collection and data entry of the staff in the cancer control units in each health directorates.

We would like to thank our focal points persons in all hospitals and laboratories for the timely collection and submission of cancer patient's data to the Iraqi Cancer Registry.

Population:

The estimated population of Iraq in 2009 was (31664466) of these (15910012) were males and (15754454) were females.

Source : (Population of Iraq projection by numbering and listing results 2009) .

About (4622108) of the population is under 5 years old, and (12601136) of the population is under 15 years old. Only (1050972) of the total population is above the age of 65 years old.

Table (1) show age distribution and gender of Iraq population, in 2009.

Table (2) shows the population distribution of Iraqis by governorates which is used to calculate incidence rates for cancer by governorates.

Geography :

The Republic of Iraq is located in the south-west of Asia, to the north-East of the Arab homeland, bounded on the North by Turkey, on the East by Iran ,on the South by Arab Gulf, Kuwait& Saudi Arabia, and on the West by Syria ,Jordan &Saudi Arabia. The highest the proportion of the length of Iraq's borders with neighboring countries is with Iran about(37.6%) followed by Saudi Arabia about(23.5%).

Iraq has occupied an area of 435,052 square kilometers, the province of AL-Anbar the highest area, reaching to 31.7%, followed by AL Muthana province by 11.9% of the area of Iraq and Nineveh province reaching 8.6% of the area of Iraq.

(the source Environmental statistics in Iraq Report 2009)

The surface section of Iraq consist of deserts which is about 38,7% ,then the plains including (marshes and lakes) include about 30,5% of the area ,mountains which is occupied about 21,1% of the area and terrain lands which occupies about 9,7% of the surface area of Iraq.

Source: General Directorate of Survey

Annual Number of New Cases 2009

TABLE (1)**Population of Iraq By Age Group and Gender (2009)**

Age Group	Males	Females	Total
0 - 4	2416345	2205763	4622108
5 - 9	2182104	1998272	4180376
10-14	1952157	1846495	3798652
15-19	1760081	1779358	3539439
20-24	1474734	1494924	2969658
25-29	1323188	1331842	2655030
30-34	1157882	1132658	2290540
35-39	947306	942038	1889344
40-44	671760	677230	1348990
45-49	416813	492782	909595
50-54	476502	600168	1076670
55-59	380536	376511	757047
60-64	289890	286155	576045
65-69	181159	222111	403270
70 +	279555	368147	647702
Total	15910012	15754454	31664466

**Source: Population of IRAQ projecting by Numbering & Listing
Results by Age Group and Gender in (2009)**

TABLE (2)
Population of Iraq By Provinces (2009)

Provinces	Population
Baghdad	6702538
Nineveh	3106948
Kirkuk	1325853
Al-Anbar	1483359
Salah-Alden	1337786
Dyala	1371035
Kerballa	1013254
Al-Najaf	1221228
Babil	1729666
Wasit	1150079
Misan	922890
Al-Diwanyia	1077614
Thi-Qar	1744398
Al-Basrah	2405434
Al-Muthana	683126
Al-Sulaimaniyah	1784853
Duhok	1072324
Erbil	1532081
TOTAL	31664466

Source: Population of IRAQ projecting by Numbering & Listing
Results by Age Group and Gender in (2009)

Table (3)

The Annual Number of New Cancer Cases
In Iraq (1991 – 2009)

years	No. of new cases Registered	Registered Cases /10 ⁵ pop	Male		Female	
			No.	%	No.	%
1991	5720	31.05	3125	54.63	2595	45.37
1992	8526	44.99	4735	55.54	3791	44.46
1993	8471	43.49	4632	54.68	3839	45.32
1994	7785	38.91	4230	54.34	3555	45.66
1995	7948	44.69	4344	54.66	3604	45.34
1996	8360	45.69	4466	53.42	3894	46.58
1997	8592	45.67	4521	52.62	4071	47.38
1998	9033	45.74	4774	52.85	4259	47.15
1999	8936	43.95	4556	50.98	4380	49.02
2000	10888	52.00	5376	49.38	5512	50.63
2001	13332	61.83	6758	50.69	6574	49.31
2002	13985	62.97	6964	49.80	7021	50.20
2003	11248	49.17	5698	50.66	5550	49.34
2004	14520	61.63	7525	51.83	6995	48.17
2005	15172	54.26	7505	49.47	7667	50.53
2006	15226	52.84	7377	48.45	7849	51.54
2007	14213	47.88	6656	46.83	7557	53.16
2008	14180	44.46	6589	46.47	7591	53.53
2009	15251	48.16	7201	47.22	8050	52.78
Total	211386	---	107032	50.63	104354	49.37

From (1991 - 1994) and (2005- 2009) Included Kurdistan Region
From (1995 till 2004) Except Kurdistan Region

Figure (1)

The Incidence Rate Of Cancer Cases in Iraq 1991 - 2009

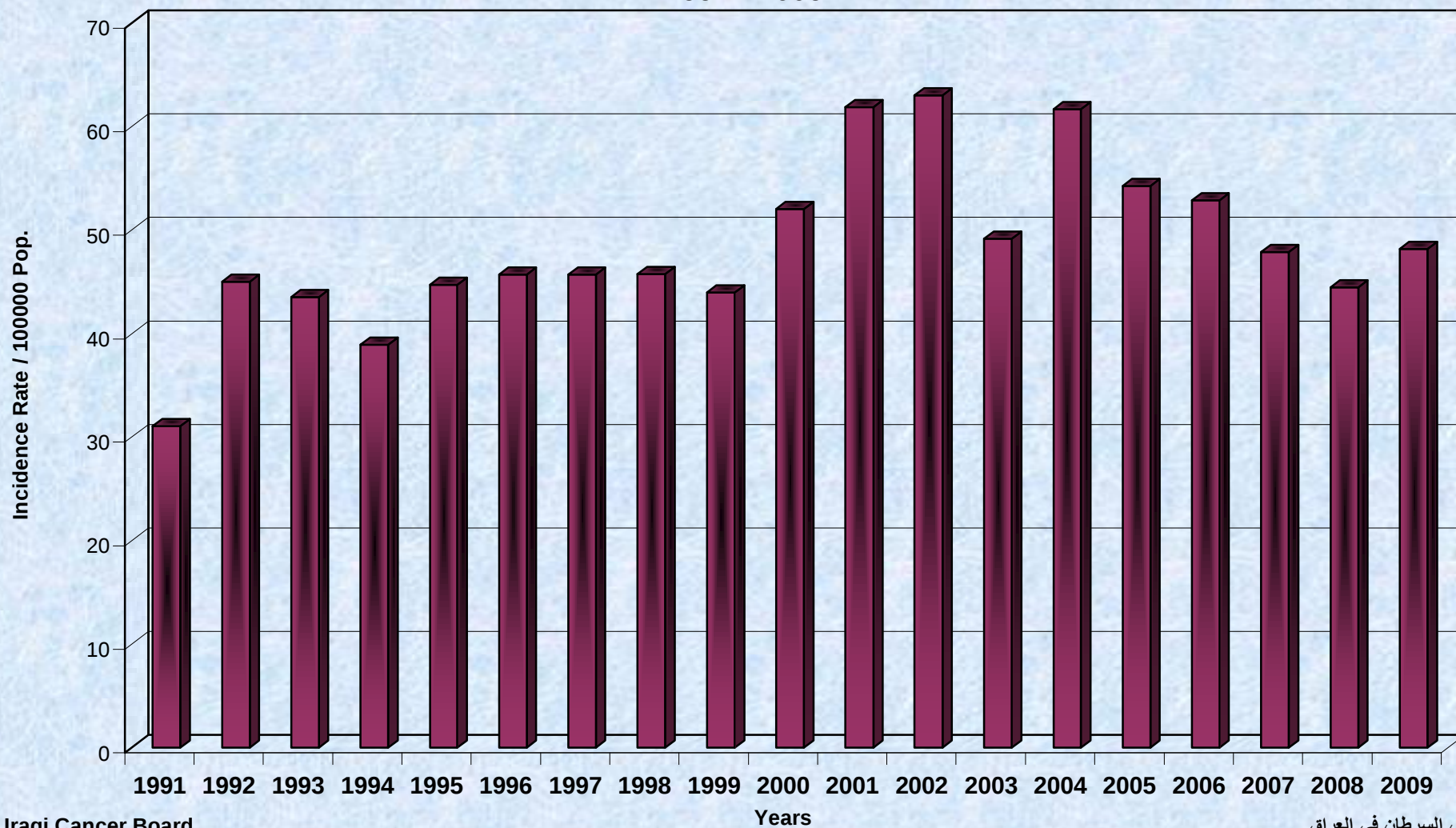
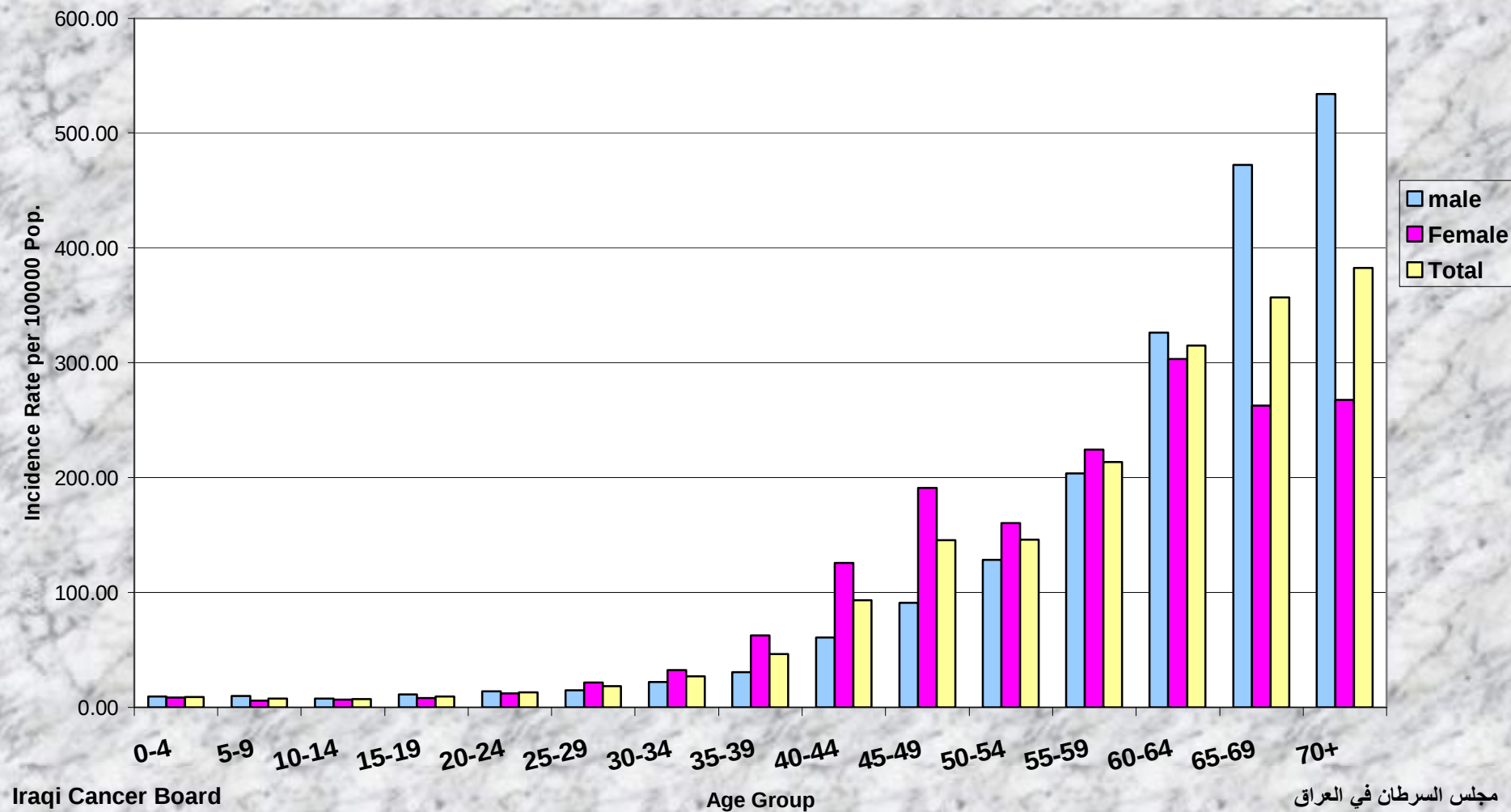


Table (4)
Cancer Age-Specific Incidence Rate (ASIR) per 100.000 Populations;
by Gender –Iraq 2009

Age Group	MALES		Females		Total	
	No. of Cases	Incidence Rate	No. of Cases	Incidence Rate	No. of Cases	Incidence Rate
0 - 4	228	9.44	187	8.48	415	8.98
5 - 9	211	9.67	117	5.86	328	7.85
10 - 14	146	7.48	126	6.82	272	7.16
15 - 19	195	11.08	142	7.98	337	9.52
20 - 24	203	13.77	179	11.97	382	12.86
25 - 29	195	14.74	291	21.85	486	18.30
30 - 34	254	21.94	367	32.40	621	27.11
35 - 39	289	30.51	589	62.52	878	46.47
40 - 44	408	60.74	850	125.51	1258	93.25
45 - 49	379	90.93	942	191.16	1321	145.23
50 - 54	611	128.23	962	160.29	1573	146.10
55 - 59	775	203.66	844	224.16	1619	213.86
60 - 64	946	326.33	868	303.33	1814	314.91
65 - 69	856	472.51	584	262.93	1440	357.08
70+	1493	534.06	986	267.83	2479	382.74
unknown	12	----	16	----	28	----
ALL	7201	45.26	8050	51.10	15251	48.16

Figure (2)

Age Specific Incidence Rate of cancer by Gender / Iraq 2009



**The First Ten
Leading Cancers in Males and
Females In Their
Order of Frequency**

Table (5)

The Commonest Ten Cancers by Primary Site and Gender / IRAQ / 2009

PRIMARY SITE	NO. OF CASES	MALE	FEMALE	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- Breast	2987	81	2906	19.59	9.43
2- Bronchus and Lung	1570	1151	419	10.29	4.96
3- Brain and Other CNS**	962	531	431	6.31	3.04
4- Urinary Bladder	957	743	214	6.27	3.02
5- Leukemia*	908	506	402	5.95	2.87
6- Non –Hodgkin Lymphomas***	737	458	279	4.83	2.33
7- Colorectal	701	387	314	4.60	2.21
8- Skin	609	352	257	3.99	1.92
9- Stomach	538	307	231	3.53	1.70
10- Larynx	377	279	98	2.47	1.19
Total Ten	10346	4795	5551	67.84	32.67
All Sites	15251	7201	8050	100.00	48.16

Population of Iraq Projection by Numbering & Listing Results 2009: (31664466)

* Leukemia Includes
 Lymphoid Leukemia
 Myeloid Leukemia
 Other Specified Leukemia
 Leukemia of Unspecified Cell Type

** Brain & Other CNS Includes:
 Benign & Malignant Tumours of the Brain, Cerebellum, Brain Stem, Meninges, Spinal Cord,
 And other sites

*** Non –Hodgkin Lymphomas Include: (Nodal & Extra nodal origin)

Figure (3)

The Commonest Ten Cancers By Primary Site (2009)

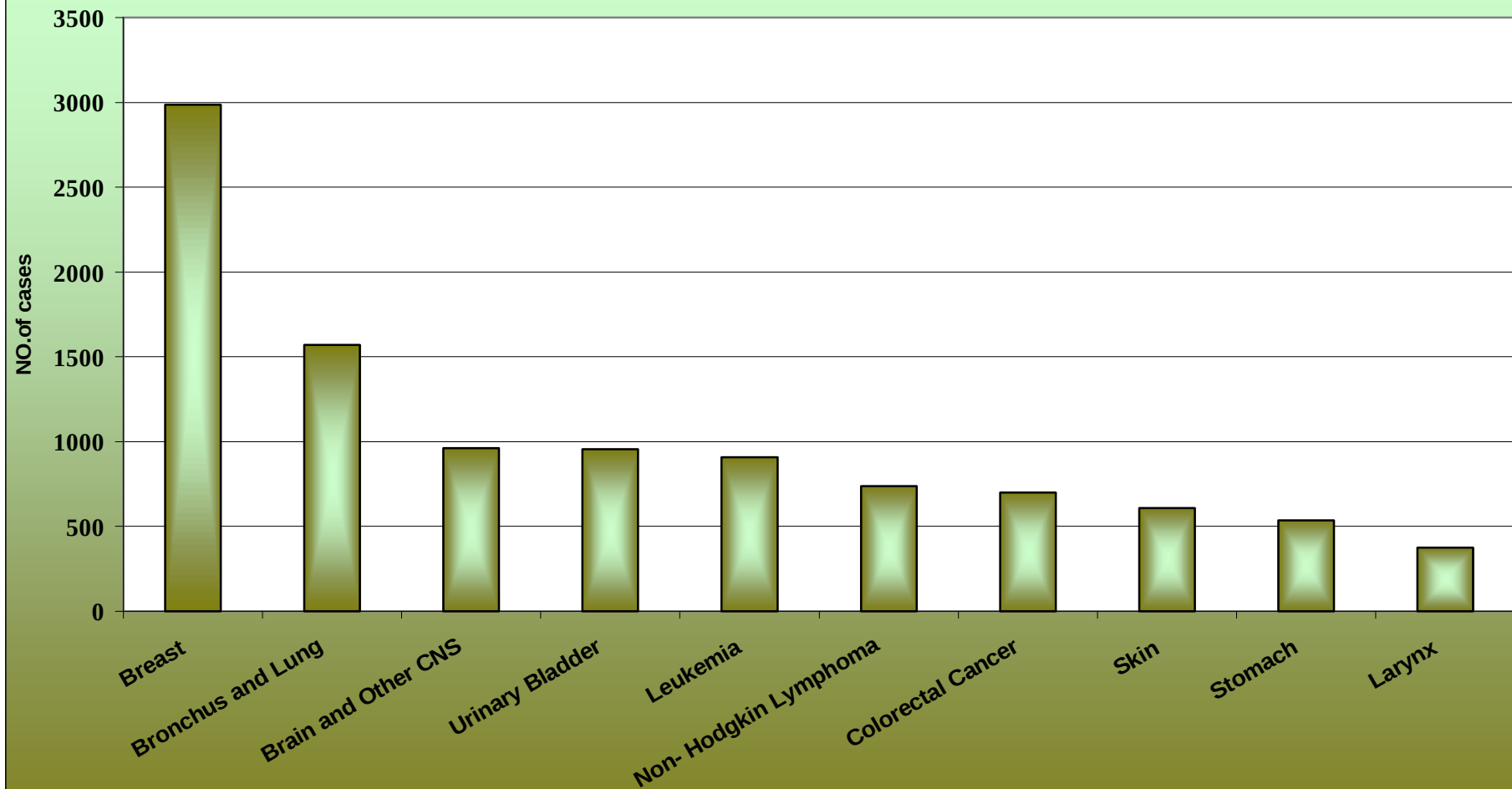


Table (6)**The Commonest Ten Cancers by Site in Males / IRAQ / 2009**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10⁵ POP.
1- Bronchus and Lung	1151	15.98	7.23
2- Urinary Bladder	743	10.32	4.67
3- Brain and Other CNS	531	7.37	3.34
4- Leukemia	506	7.03	3.18
5- Non-Hodgkin Lymphoma	458	6.36	2.88
6- Colorectal Cancer	387	5.37	2.43
7- Skin	352	4.89	2.21
8- Stomach	307	4.26	1.93
9- Prostate	300	4.17	1.89
10- Larynx	279	3.87	1.75
Total Ten	5014	69.63	31.51
All Sites	7201	100.00	45.26

**Population of Iraq Projection by Numbering &
Listing Results for Males 2009: (15910012)**

Figure (4)

The Commonest Ten Cancers in males 2009

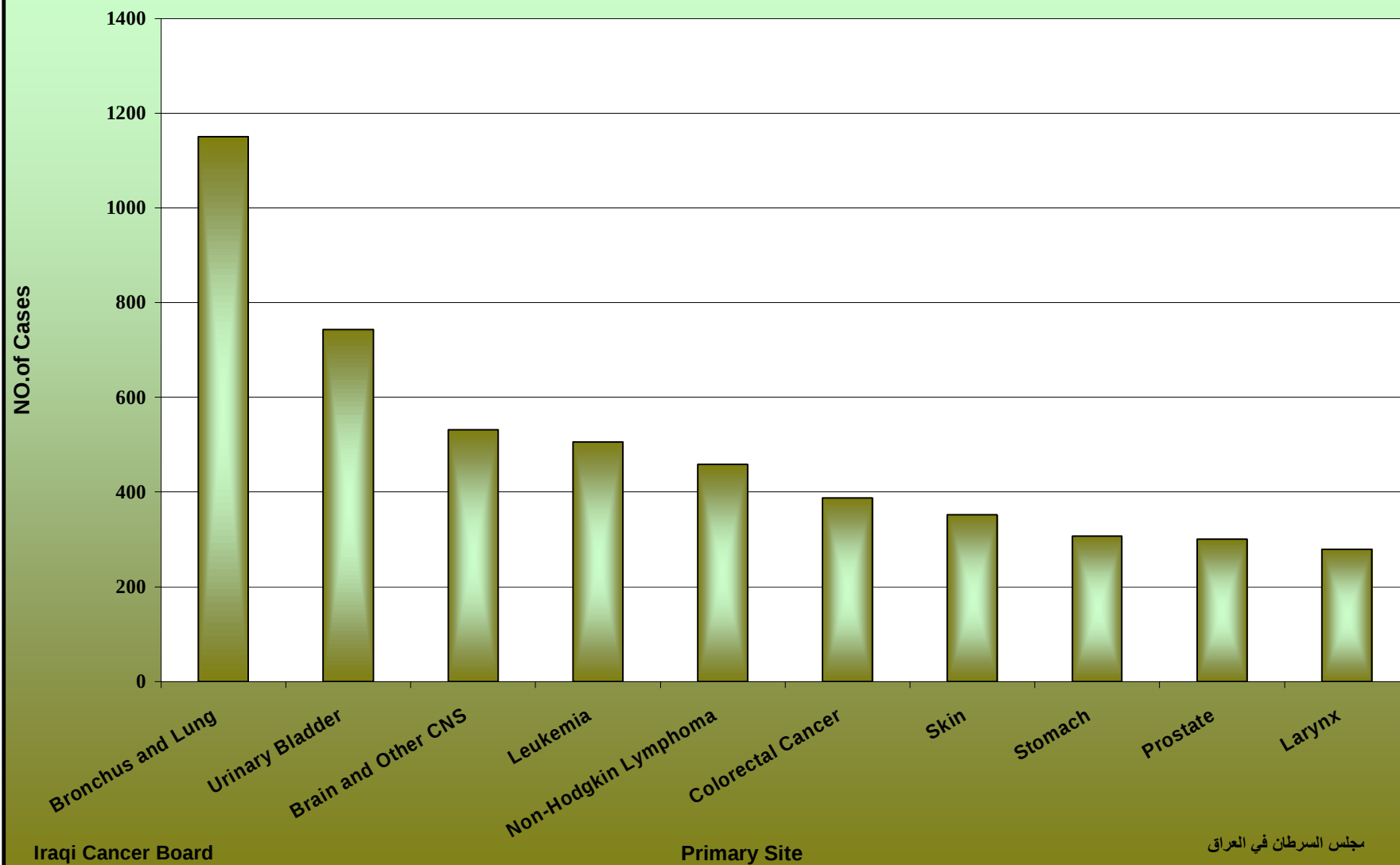


Table (7)**The Commonest Ten Cancers by Site in females / IRAQ / 2009**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10⁵ POP.
1-Breast	2906	36.10	18.45
2- Brain and Other CNS	431	5.35	2.74
3- Bronchus and Lung	419	5.20	2.66
4- Leukemia	402	4.99	2.55
5- Colorectal Cancer	314	3.90	1.99
6- Ovary	307	3.81	1.95
7- Non-Hodgkin Lymphoma	279	3.47	1.77
8- Skin	257	3.19	1.63
9- Stomach	231	2.87	1.47
10- Urinary Bladder	214	2.66	1.36
Total Ten	5760	71.55	36.56
All Sites	8050	100.00	51.10

**Population of Iraq Projection by Numbering &
Listing Results for Females 2009: (15754454)**

Figure (5)

The Commonest Ten Cancers in females 2009

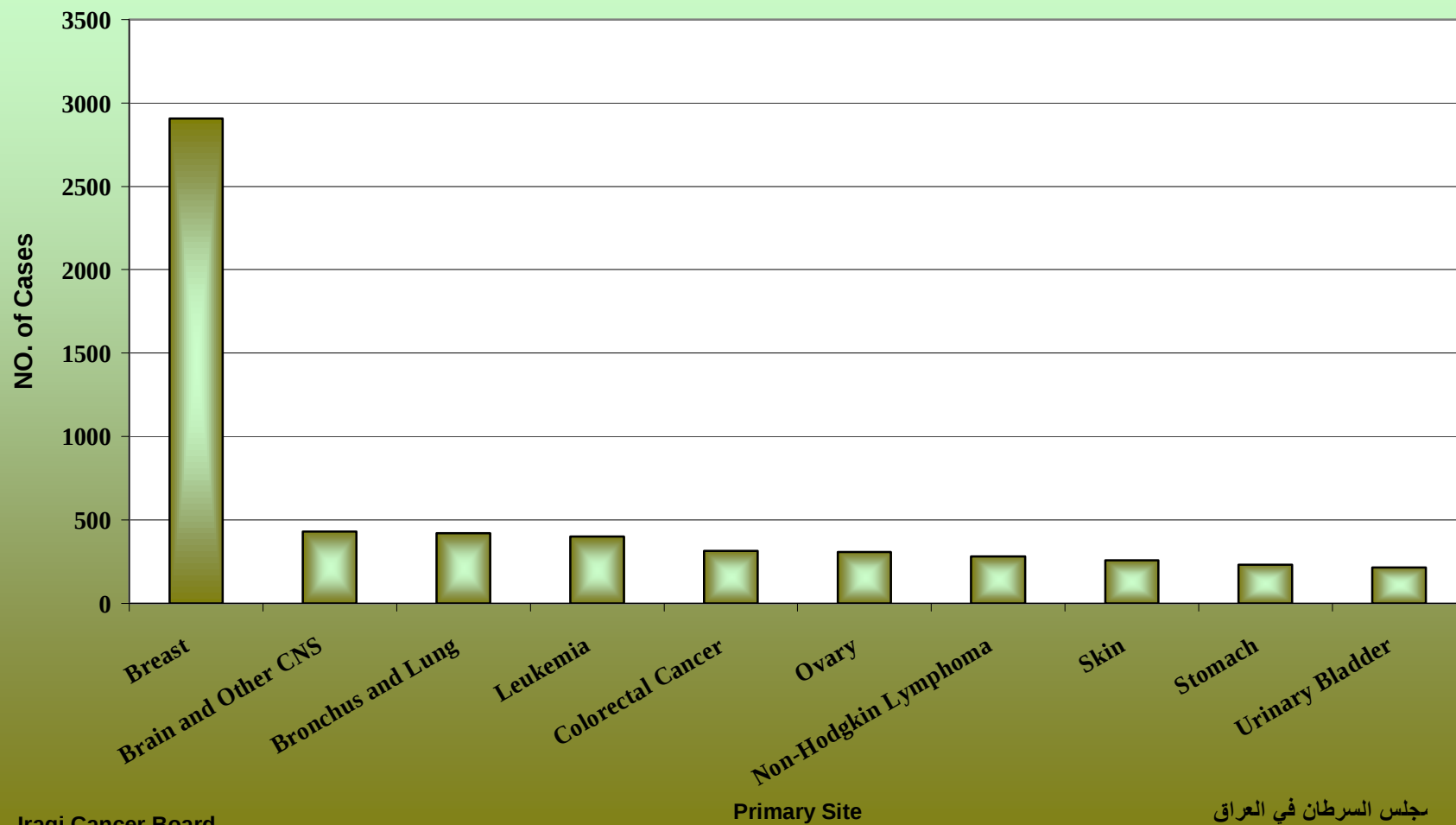


Table (8)
Age Specific Incidence Rate for Top Ten Cancers by Gender
Iraq – 2009

Top Ten	Sex	0-4	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+	T
Breast	M	0.00	0.00	0.00	0.06	0.07	0.00	0.35	0.42	1.94	2.16	1.68	2.63	2.76	6.62	3.93	0.51
	F	0.00	0.00	0.00	0.17	1.14	4.05	13.60	31.32	73.24	99.23	73.31	88.97	92.26	71.14	53.51	18.45
Bronchus & Lung	M	0.04	0.09	0.00	0.11	0.27	0.38	0.43	1.48	5.06	9.84	19.10	42.83	80.03	115.37	123.77	7.23
	F	0.00	0.05	0.05	0.06	0.27	0.15	0.44	1.27	2.21	4.67	6.66	17.00	27.26	26.11	30.97	2.66
Brain & Other CNS	M	1.37	1.92	1.84	1.70	1.63	2.27	2.76	4.12	6.55	9.36	10.91	11.56	11.38	12.14	11.09	3.34
	F	1.04	1.00	1.41	1.12	1.40	2.48	2.74	3.82	6.05	6.29	4.17	10.36	11.53	8.10	9.24	2.74
Urinary Bladder	M	0.12	0.00	0.05	0.17	0.14	0.23	0.95	1.27	4.91	6.24	12.80	25.75	50.36	63.48	81.20	4.67
	F	0.05	0.00	0.00	0.00	0.07	0.38	0.18	0.32	0.74	2.84	3.83	6.11	15.38	13.96	16.84	1.36
Leukemia	M	2.65	3.07	1.84	2.27	1.90	1.89	1.81	2.32	3.42	4.56	4.83	9.46	11.73	11.04	16.45	3.18
	F	3.26	2.00	1.62	1.80	0.87	1.13	1.24	2.44	2.66	2.23	3.67	3.19	10.83	11.71	11.14	2.55
N. H. Lymphoma	M	1.45	1.42	0.67	1.82	1.83	1.89	2.42	3.38	4.47	6.96	7.14	6.83	10.35	19.87	17.53	2.88
	F	0.68	0.60	0.54	0.39	0.60	1.50	1.50	1.70	3.10	4.06	4.17	3.19	10.48	12.16	10.05	1.77
Colorectal	M	0.04	0.00	0.05	0.06	0.95	0.83	1.81	3.06	5.06	7.20	5.88	14.98	18.28	29.26	19.32	2.43
	F	0.09	0.05	0.00	0.11	0.67	0.90	0.97	1.59	3.40	5.28	6.83	11.95	15.38	15.31	13.04	1.99
Skin	M	0.41	1.37	1.54	2.84	0.68	3.02	12.09	14.78	25.31	35.99	79.75	91.98	113.84	298.08	407.79	2.21
	F	0.00	0.05	0.16	0.06	0.47	0.53	0.88	1.17	1.18	4.46	7.00	6.11	11.18	12.16	16.84	1.63
Stomach	M	0.04	0.00	0.00	0.17	0.14	0.30	0.95	1.58	3.42	3.84	6.09	11.56	14.14	24.29	26.47	1.93
	F	0.00	0.05	0.00	0.06	0.33	0.90	0.62	1.59	2.36	4.67	4.17	5.84	10.48	11.26	13.04	1.47
Larynx	M	0.00	0.00	0.00	0.00	0.00	0.15	0.43	0.32	1.19	2.40	9.44	10.51	20.01	27.05	21.10	1.75
	F	0.00	0.00	0.00	0.00	0.07	0.00	0.35	0.53	0.59	0.81	1.67	2.39	8.74	6.30	5.98	0.62

Breast Cancer (C50):

There were (2987) cases of breast cancer in both genders accounting for 19.59% of all newly diagnosed cancer cases. Of them (2906) cases were among females and (81) cases among males. It is the most common cancer in Iraq, it ranks the first in all the years from 1986 -2009.

.It is also the most common cancer among females with incidence rate about (18.45) per 100,000 female population in 2009, compared to (16.65) per 100,000 female population in 2008.

Age specific incidence rate of breast cancer about 99.23/100000 female pop. were in the age group(45-49) years , followed by 92.26/100000 female pop. were in the age group between(60-64) years, while The highest incidence rate 99.10/100,000 female pop. was found in the age-group(60-64)years , followed by 97.91 /100,000 female pop .in the age group(50-54) years in 2008.

Histopathological distribution of female breast cancers showed that 64.18% % were infiltrating duct carcinoma ,3.55% Intraductal papillary adenocarcinoma, 2.58% were adenocarcinoma , carcinoma NOS also 2.58 % , and the remaining were other types of morphology table(51) .

Lung and Bronchus Cancer (C34)

There were (1570) cases of lung cancer accounting for (10.29%) of all newly diagnosed cancer cases in 2009. Lung cancer affected(1151) with (15.98 %) males and(419) with (5.20%) females. It ranked the second commonest cancer after breast with incidence rate about 4.96 /100,000 population, but it is the first cancer among males with incidence rate about 7.23 /100,000 population, same as in 2008 .

The highest Age-Specific Incidence Rate in males was observed in the age group 70 years and more in 2009 123.77 / 100,000 population, followed by the age group 65-69 years 115.37/ 100,000population the same as in 2008 .

while the highest Age Specific Incidence Rate in females was observed in the age group 70 years and more in 2009 30.97/ 100,000 population followed by the age group 60-64 years 27.26/ 100,000population the same as in 2008.

. Histological types of lung cancer are shown in table (52) .It was found that the most common types of cancer was squamous cell carcinoma constitute about 27.83% , adenocarcinoma constitute about 11.53% ,carcinoma NOS constitute about 6.05%, and small cell carcinoma accounted about 5.16% .

Figure (6)

Age Specific Incidence Rate for Breast Cancer By Gender In Iraq - 2009

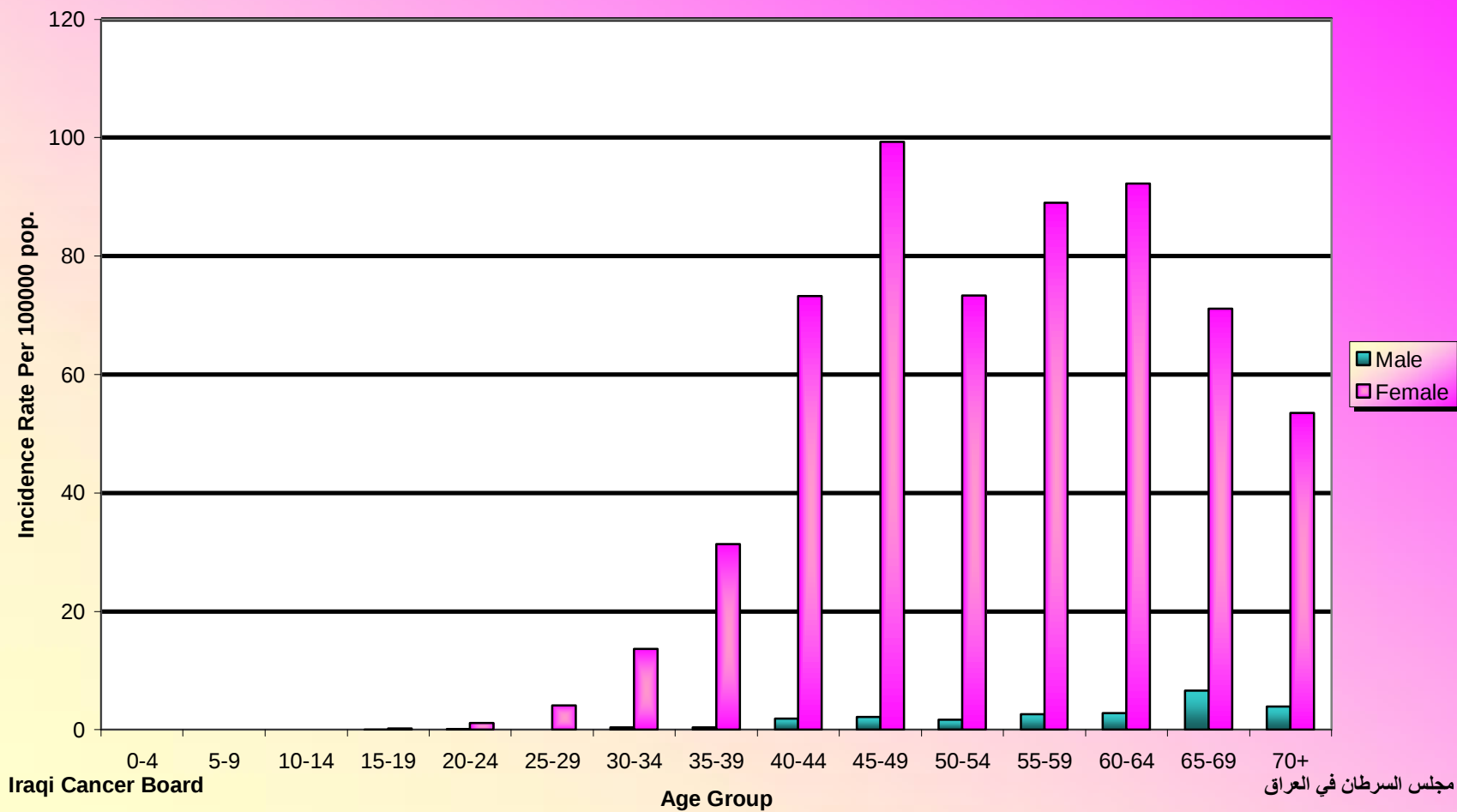


Figure (7)

Incidence Rate of Breast Cancer by Gender in Iraq 1996 - 2009

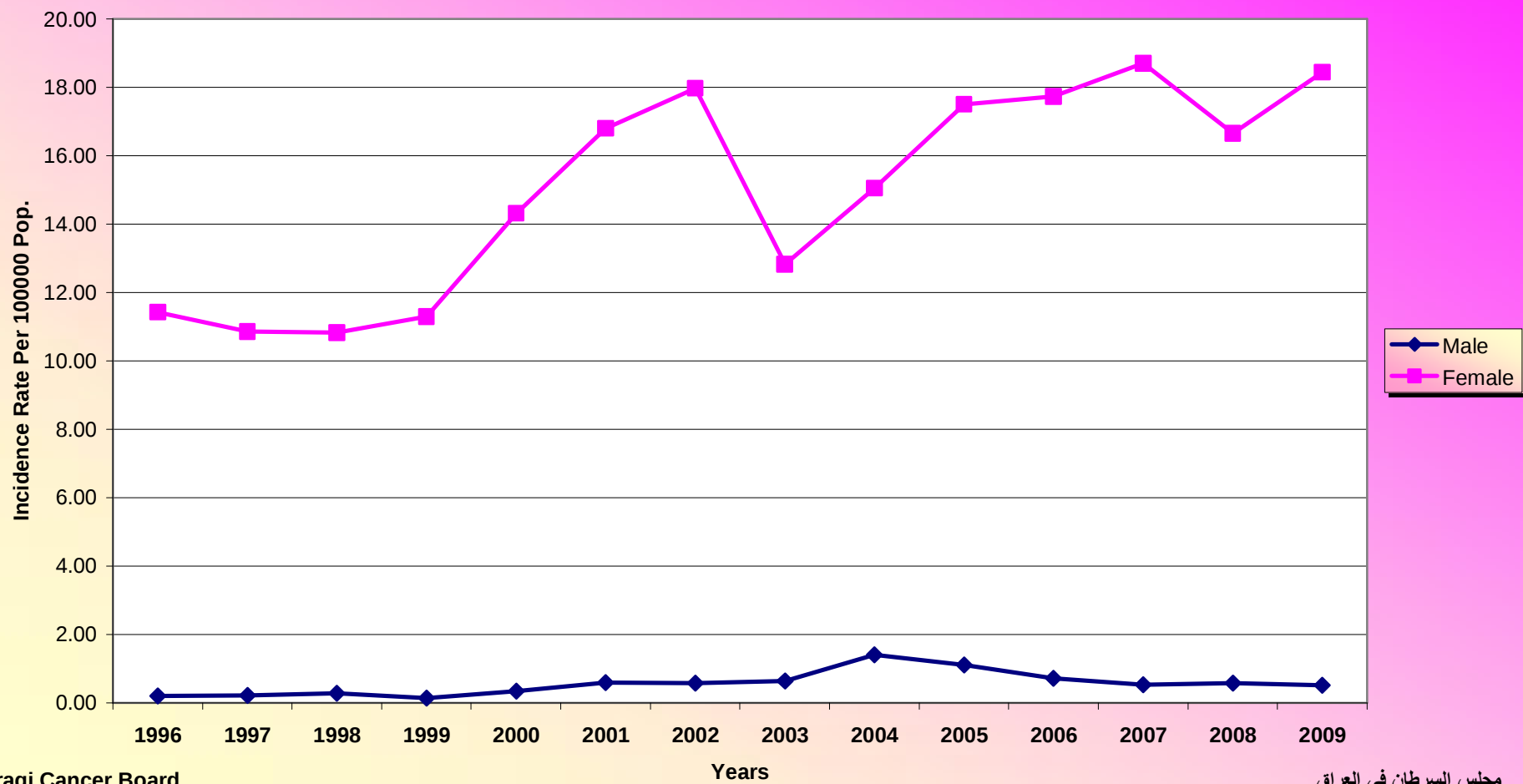


Table (9)
Distribution OF Breast Cancer According to Age group in (2000-2009) in Iraq

Age group	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0-4	0	1	1	1	1	1	0	1	0	0
5-9	0	1	2	0	2	1	0	1	1	0
10-14	0	0	0	1	0	0	2	1	1	0
15-19	2	5	3	2	3	10	6	1	1	4
20-24	16	14	11	11	14	12	21	17	15	18
25-29	58	66	48	28	55	58	57	64	78	54
30-34	147	121	159	113	147	158	142	142	147	158
35-39	216	244	273	196	253	279	280	340	286	299
40-44	251	334	368	273	351	380	400	442	406	509
45-49	269	386	390	288	365	378	417	440	438	498
50-54	263	345	387	315	364	443	455	462	440	448
55-59	145	201	202	136	217	272	276	286	322	345
60-64	166	175	216	178	192	246	224	270	265	272
65-69	83	107	107	81	117	148	154	140	144	170
70+	98	122	169	111	117	177	171	196	176	208
unknown	51	32	30	33	27	27	37	32	9	4

It is noted from the table above ,the highest age group affected with breast cancer range from (45-49) years of age in the years 2000,2001,2002 &2004 .while in the years 2003,2005,2006,2007 &2008 the highest age group affected is (50-54) years ,but this year the highest age group affected is (40-44)years of age.

Figure (8)

Age Specific Incidence Rate for Bronchus & Lung Cancer By Gender In Iraq - 2009

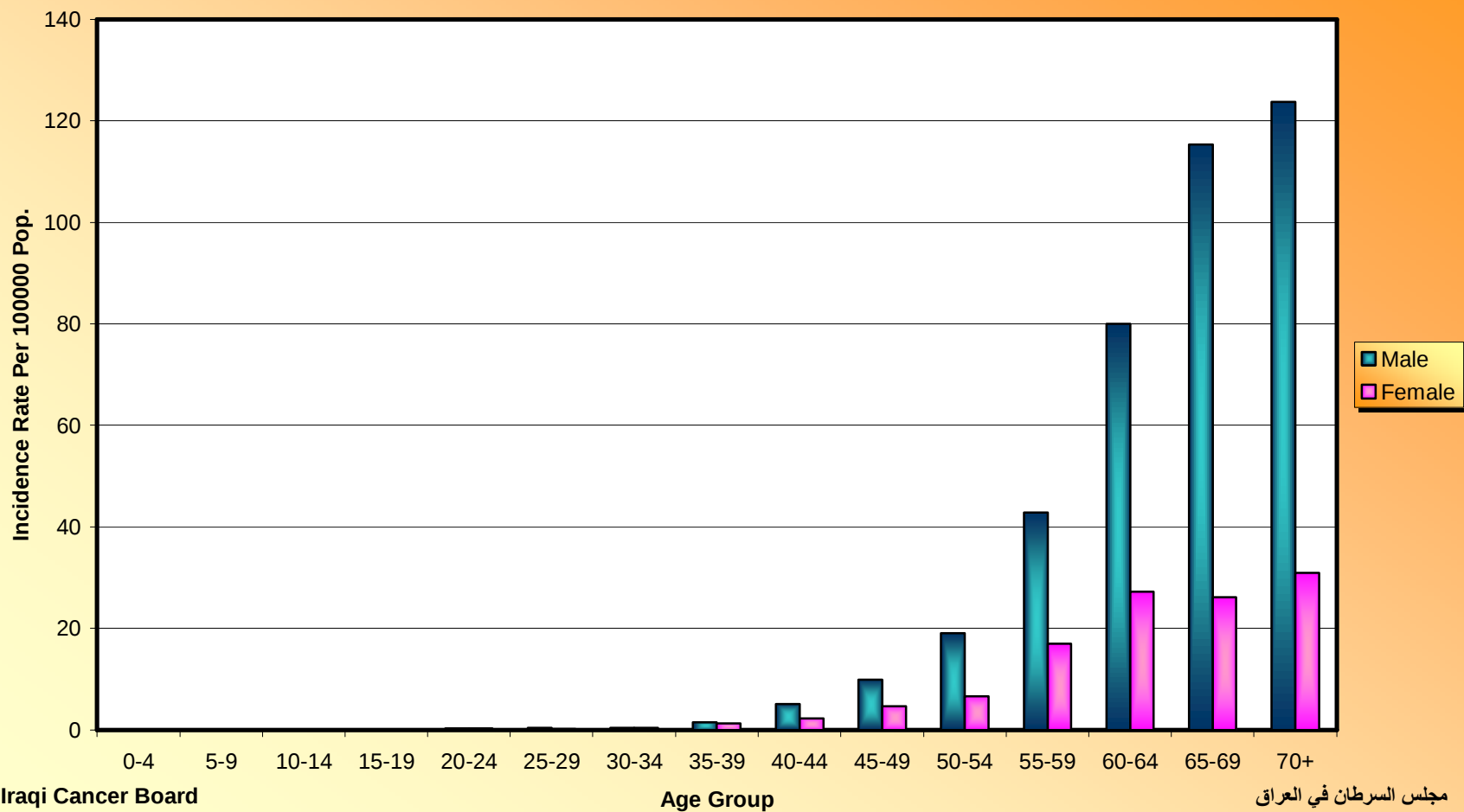


Figure (9)

Age Spcific Incidence Rate For Brain Cancer By Gender In Iraq - 2009

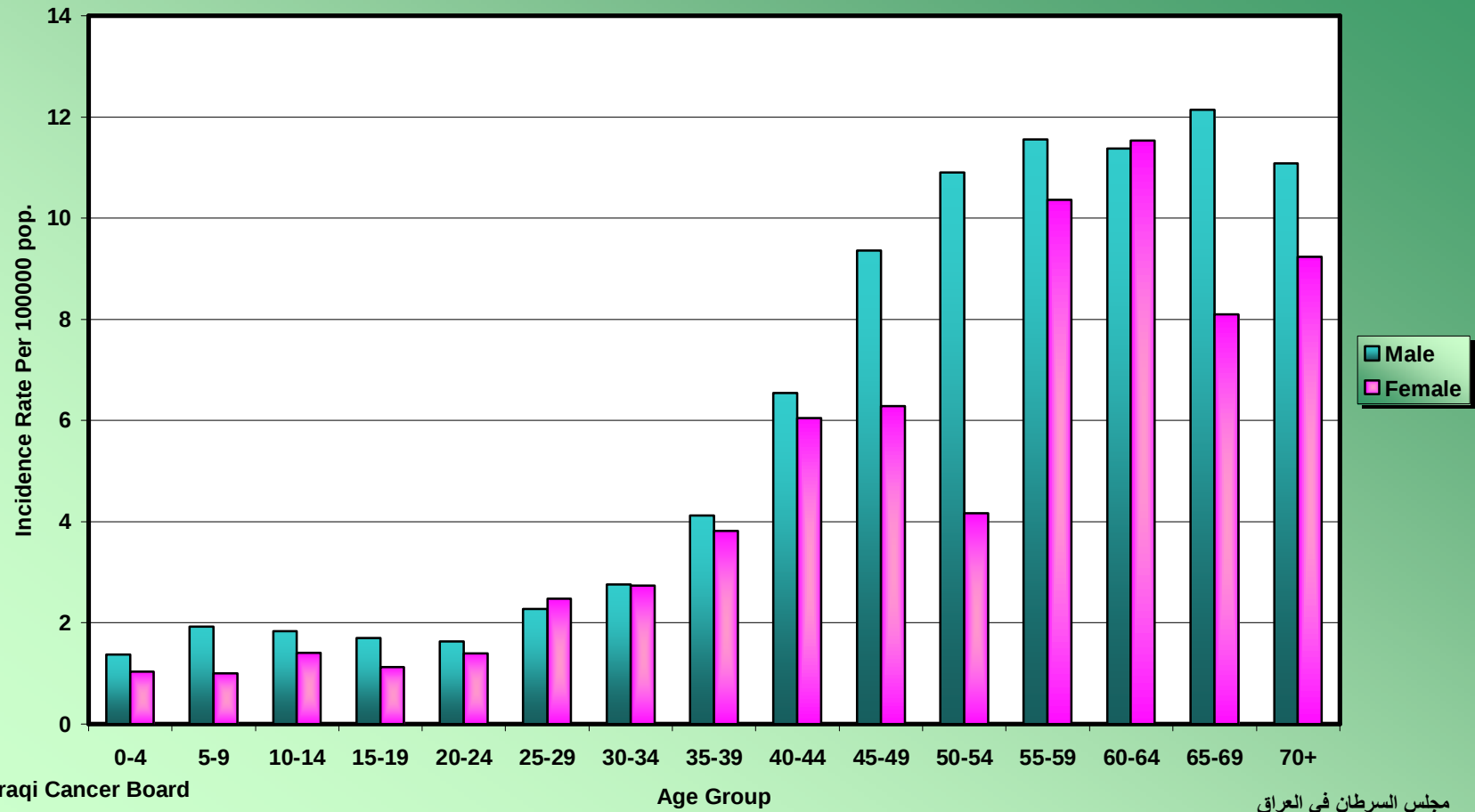


Figure (10)

Age Specific Incidence Rate for Urinary Bladder Cancer By Gender In Iraq - 2009

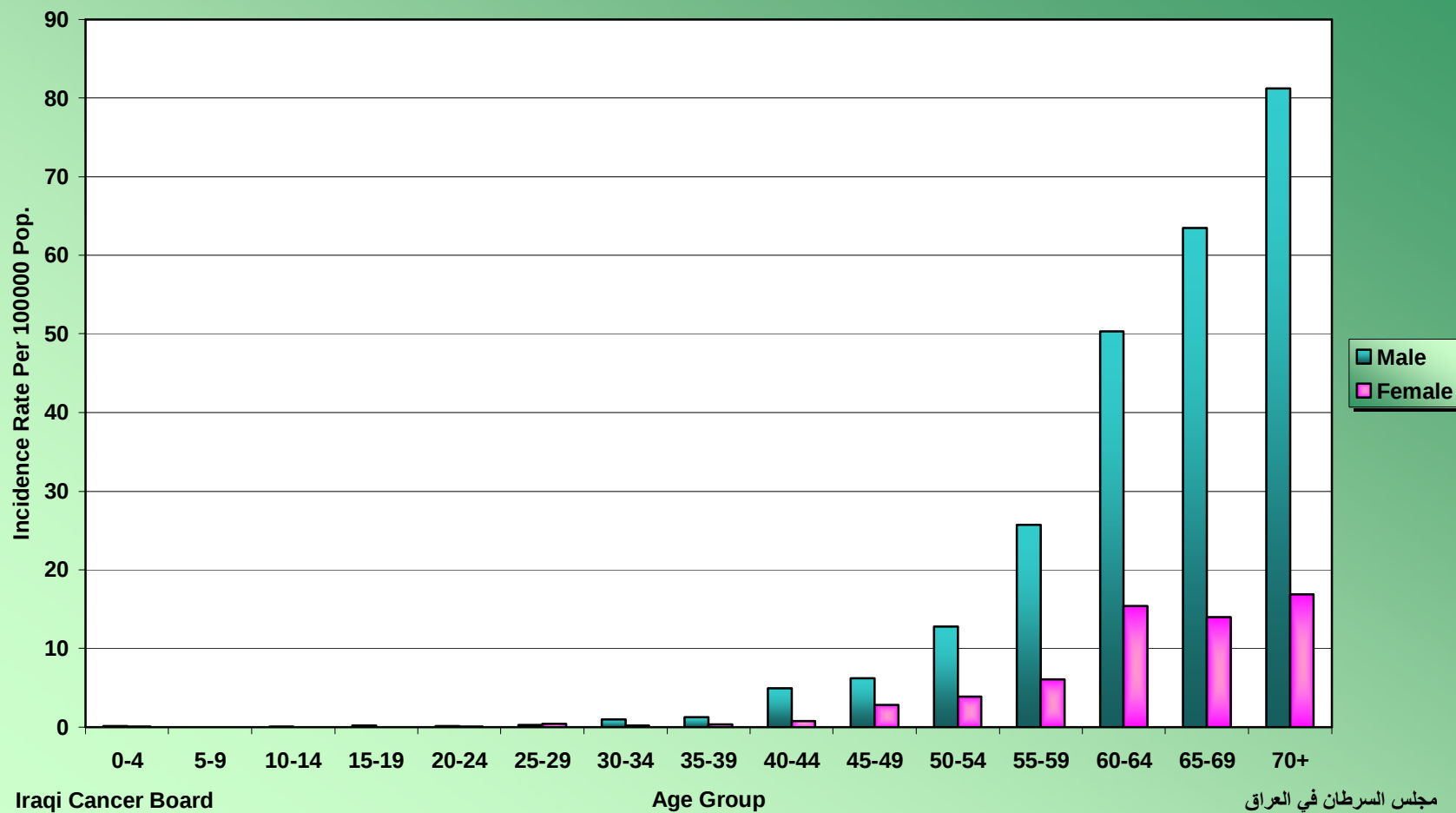


Figure (11)

Age Specific Incidence Rate for Leukemia By Gender in Iraq - 2009

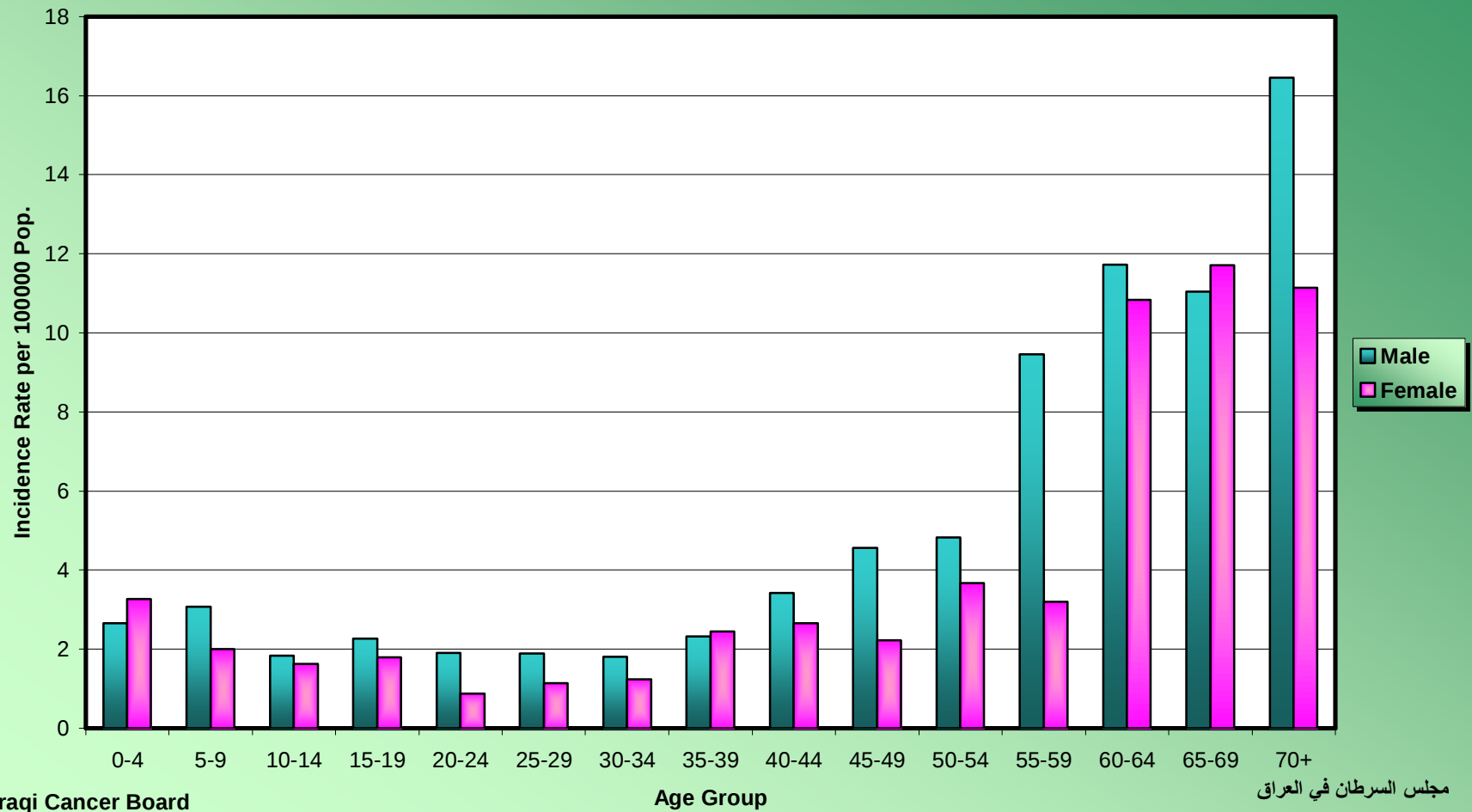


Figure (12)

Age Specific Incidence Rate for Non - Hodgkin Lymphoma By Gender In Iraq - 2009

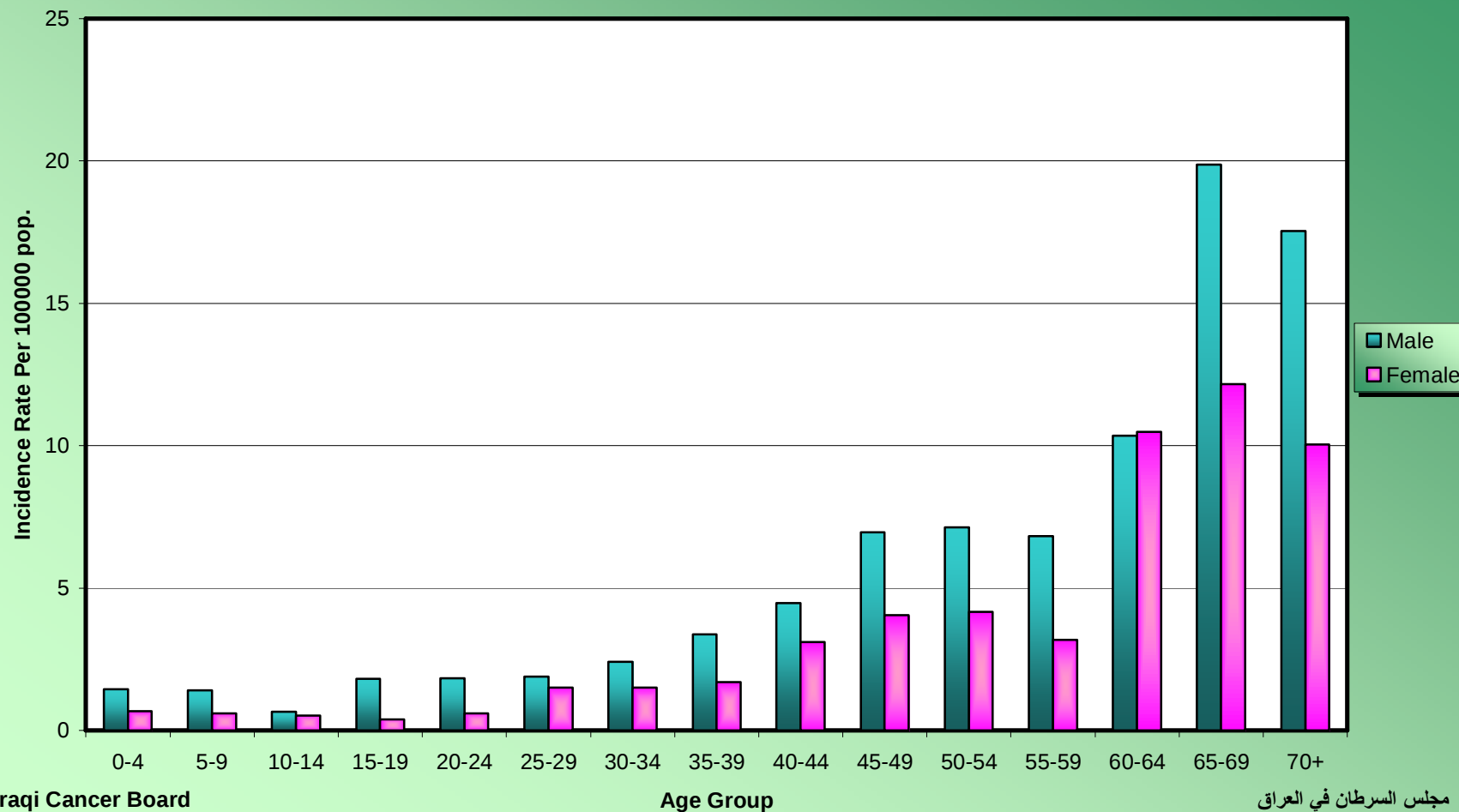


Figure (13)

Age Specific Incidence Rate for Colorectal Cancer By Gender In Iraq - 2009

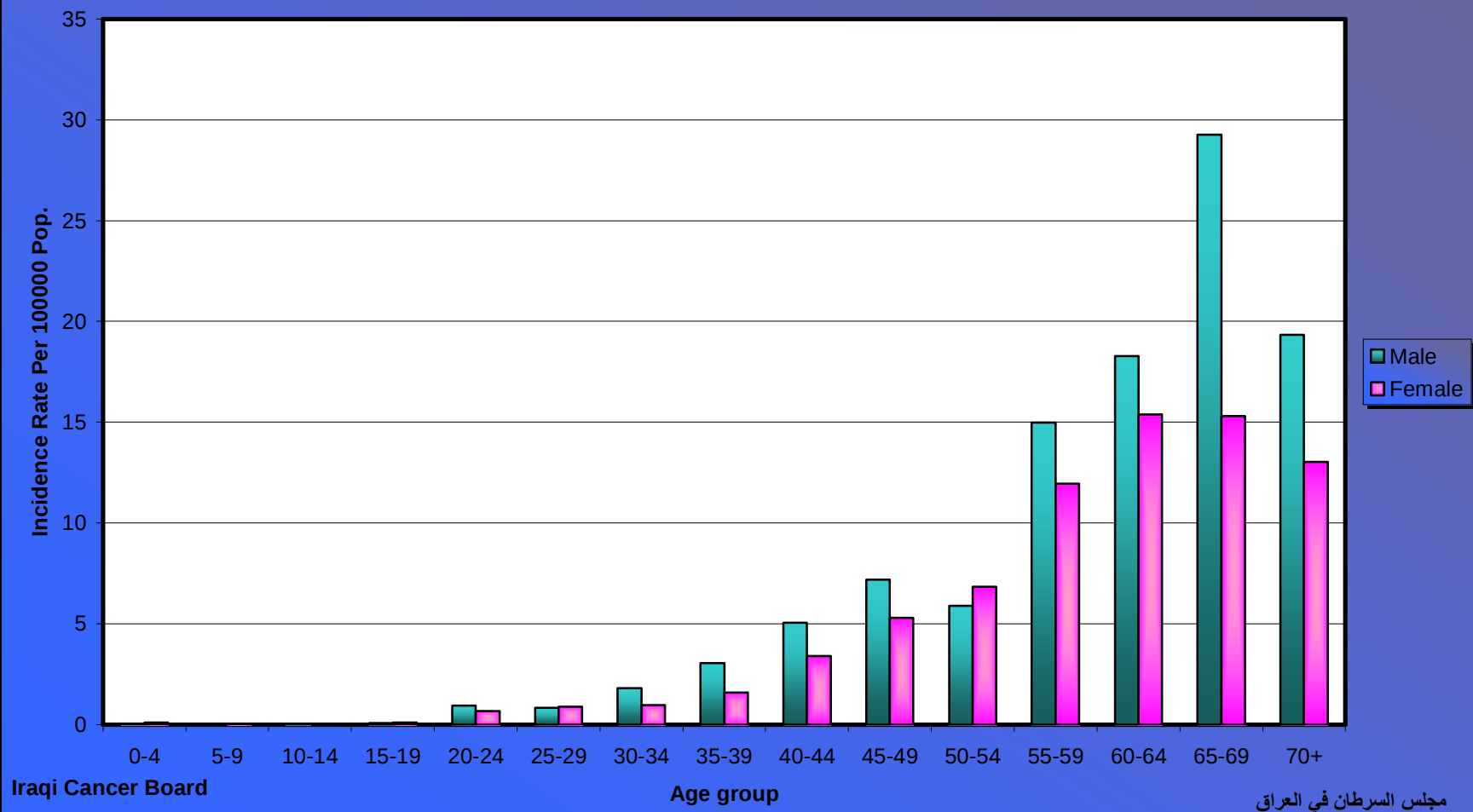


Figure (14)

Age Specific Incidence Rate for Skin Cancer By Gender In Iraq - 2009

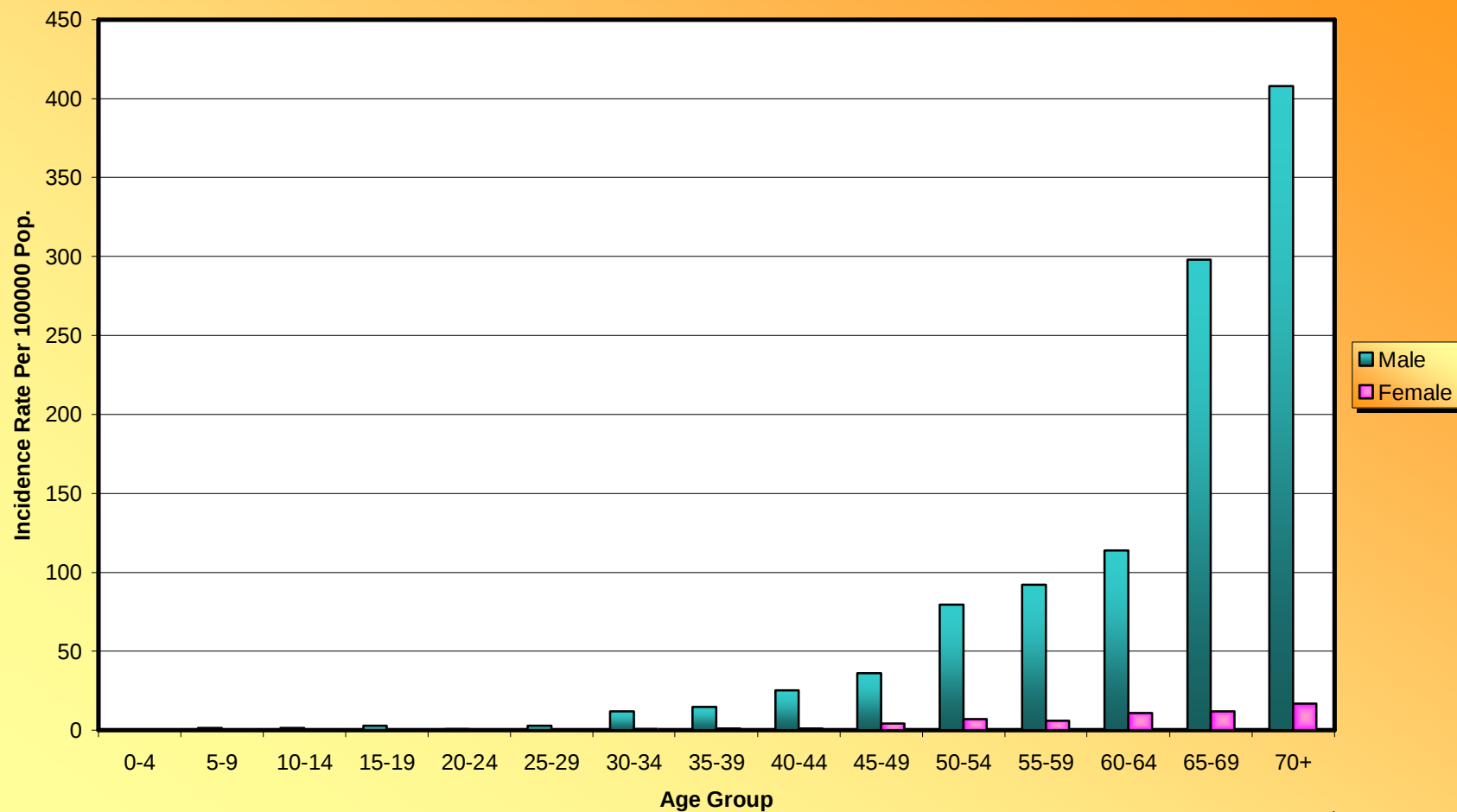


Figure (15)

Age Specific Incidence Rate for Stomach Cancer By Gender In Iraq - 2009

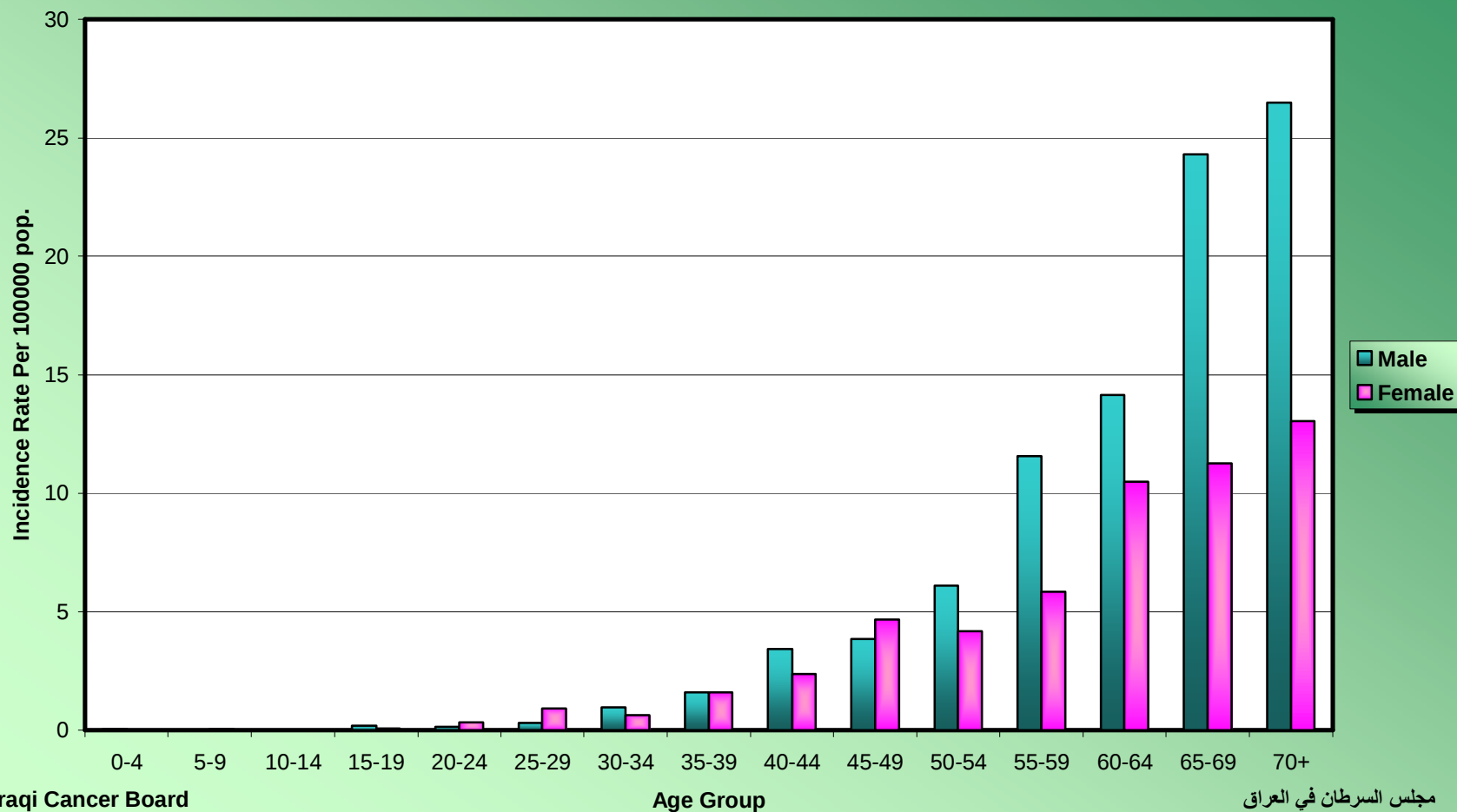
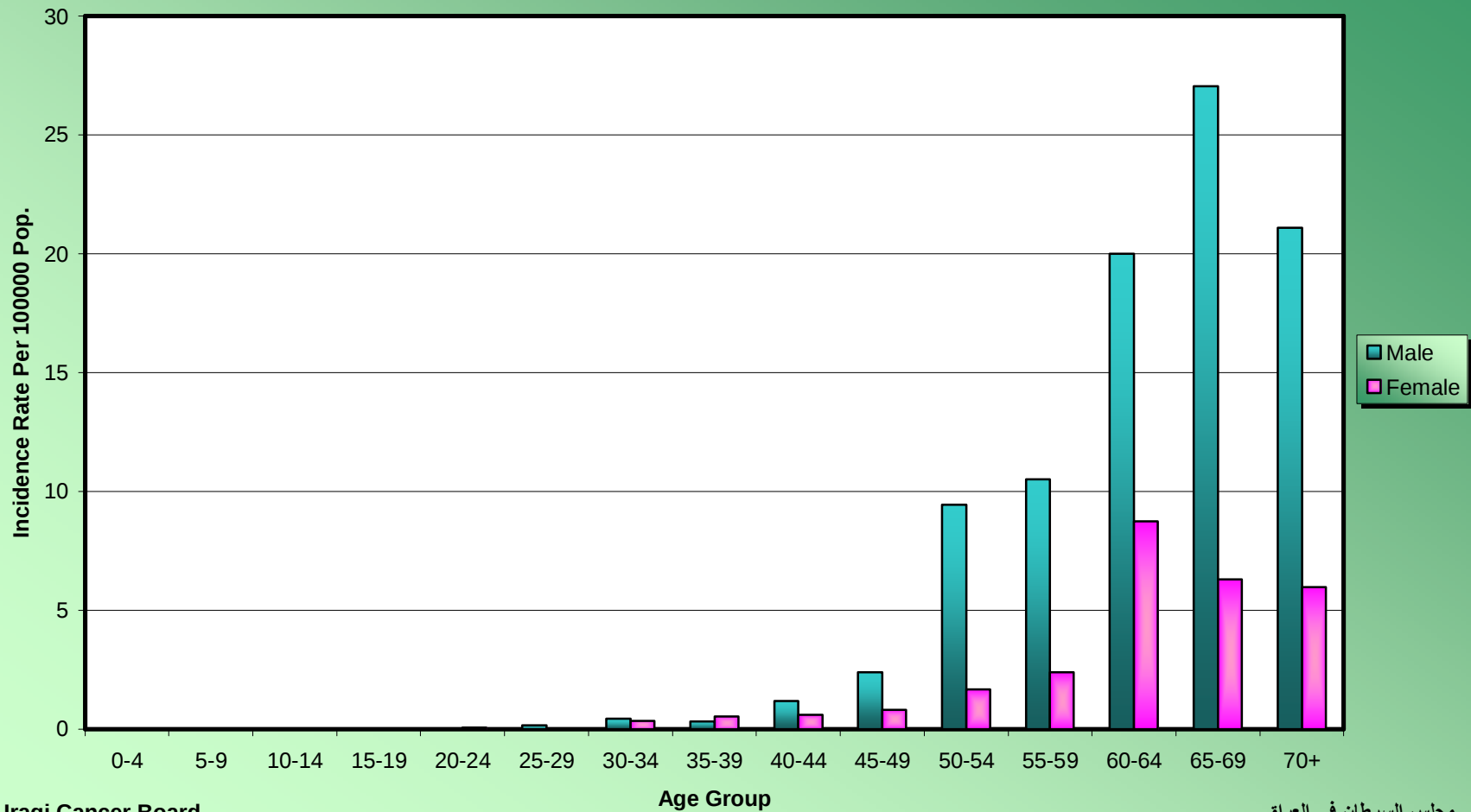


Figure (16)

Age Specific Incidence Rate for Larynx Cancer In Iraq - 2009



**Annual Number of New
Cases of All Types of Cancer
Percentage of Total and Crude Rates /
100,000 by Primary
Site and Sex**

Table (10)

**The Crude Incidence Rates / 100,000 Populations of
Malignant Tumors (2009) By Site and Gender**

Site	ICD-O	Total	Male	Female	% of Total	registered Cases /10 ⁵ pop
Lip	C00	27	17	10	0.18	0.09
Tongue, base	C01	24	6	18	0.16	0.08
Tongue, other	C02	46	32	14	0.30	0.15
Gum	C03	3	2	1	0.02	0.01
Mouth, floor	C04	8	6	2	0.05	0.03
Mouth, palate	C05	12	5	7	0.08	0.04
Mouth, other	C06	35	21	14	0.23	0.11
Parotid gland	C07	39	22	17	0.26	0.12
Salivary glands, other	C08	28	12	16	0.18	0.09
Tonsil	C09	6	4	2	0.04	0.02
Oropharynx	C10	9	2	7	0.06	0.03
Nasopharynx	C11	113	75	38	0.74	0.36
Pyriform sinus	C12	4	3	1	0.03	0.01
Hypopharynx	C13	27	13	14	0.18	0.09
Other Lip, Oral, Pharynx	C14	19	12	7	0.12	0.06
Oesophagus	C15	80	54	26	0.52	0.25
Stomach	C16	538	307	231	3.53	1.70
Small intestine	C17	68	36	32	0.45	0.21
Colon	C18	462	257	205	3.03	1.46
Rectosigmoid junction	C19	17	5	12	0.11	0.05
Rectum	C20	204	120	84	1.34	0.64
Anus & anal canal	C21	18	5	13	0.12	0.06
Liver & bile ducts	C22	323	189	134	2.12	1.02
Gallbladder	C23	56	25	31	0.37	0.18
Biliary tract, other	C24	21	12	9	0.14	0.07
Pancreas	C25	283	158	125	1.86	0.89
Other digestive organs	C26	30	12	18	0.20	0.09
Nasal cavity, middle ear	C30	17	13	4	0.11	0.05
Accessory sinuses	C31	24	18	6	0.16	0.08
Larynx	C32	377	279	98	2.47	1.19
Trachea	C33	3	3	0	0.02	0.01
Bronchus & lung	C34	1570	1151	419	10.29	4.96
Thymus	C37	16	10	6	0.10	0.05

Heart, mediast. pleura	C38	39	21	18	0.26	0.12
Other respir. & thoracic	C39	5	2	3	0.03	0.02
Bone & cartilage, limbs	C40	118	66	52	0.77	0.37
Bone & cartilage, other	C41	171	99	72	1.12	0.54
Bon Marrow (for leukemia, see below)	C42	3	1	2	0.02	0.01
Skin, other	C44	609	352	257	3.99	1.92
Nerves, peripheral & ANS	C47	17	10	7	0.11	0.05
Peritoneum & Retroperit.	C48	51	22	29	0.33	0.16
Other connect./soft tiss	C49	255	131	124	1.67	0.81
Breast	C50	2987	81	2906	19.59	9.43
Vulva	C51	10	0	10	0.07	0.03
Vagina	C52	20	0	20	0.13	0.06
Cervix uteri	C53	146	0	146	0.96	0.46
Corpus uteri	C54	94	0	94	0.62	0.30
Uterus unspecified	C55	179	0	179	1.17	0.57
Ovary	C56	307	0	307	2.01	0.97
Female genital, other	C57	3	0	3	0.02	0.01
Placenta	C58	56	0	56	0.37	0.18
Penis	C60	2	2	0	0.01	0.01
Prostate	C61	300	300	0	1.97	0.95
Testis	C62	110	110	0	0.72	0.35
Male genital, other	C63	3	3	0	0.02	0.01
Kidney, not renal pelvis	C64	331	206	125	2.17	1.05
Renal pelvis	C65	5	3	2	0.03	0.02
Ureter	C66	1	0	1	0.01	0.00
Bladder	C67	957	743	214	6.27	3.02
Urinary organs, other	C68	1	1	0	0.01	0.00
Eye & adnexa	C69	52	32	20	0.34	0.16
Meninges	C70	124	39	85	0.81	0.39
Brain	C71	764	442	322	5.01	2.41
Nervous system, other	C72	32	24	8	0.21	0.10
Thyroid gland	C73	288	82	206	1.89	0.91
Adrenal gland	C74	28	15	13	0.18	0.09
Endocrine glands, other	C75	45	29	16	0.30	0.14
Unspecified sites	C76	113	60	53	0.74	0.36
Lymph Nodes ¹	C77	16	5	11	0.10	0.05
Unknown primary site	C80	389	184	205	2.55	1.23

Malignant Tumors Sorted By Morphology						
Hodgkin Lymphoma²		341	213	128	2.24	1.08
Non-Hodgkin, lymphoma³		737	458	279	4.83	2.33
Plasmacytoma		7	6	1	0.05	0.02
Multiple myeloma		94	55	39	0.62	0.30
Leukaemia⁴		908	506	402	5.95	2.87
Miscellaneous Myeloprolif. & Lymphoprolif. Disorders		19	7	12	0.12	0.06
Myelodysplastic Syndrome		7	5	2	0.05	0.02
Total		15251	7201	8050	100.00	48.16

- (1) Malignant Tumors included here are those other than Hodgkin's disease and NHL.
- (2) All Hodgkin's cases included under this category.
- (3) All NHL cases, Nodal & Extra nodal.
- (4) Includes All categories of Leukemia; ALL, CLL, AML, CML, & Non – Specified Leukemia's

**The Commonest Ten Cancers
In The Iraqi Provinces
&
Districts**

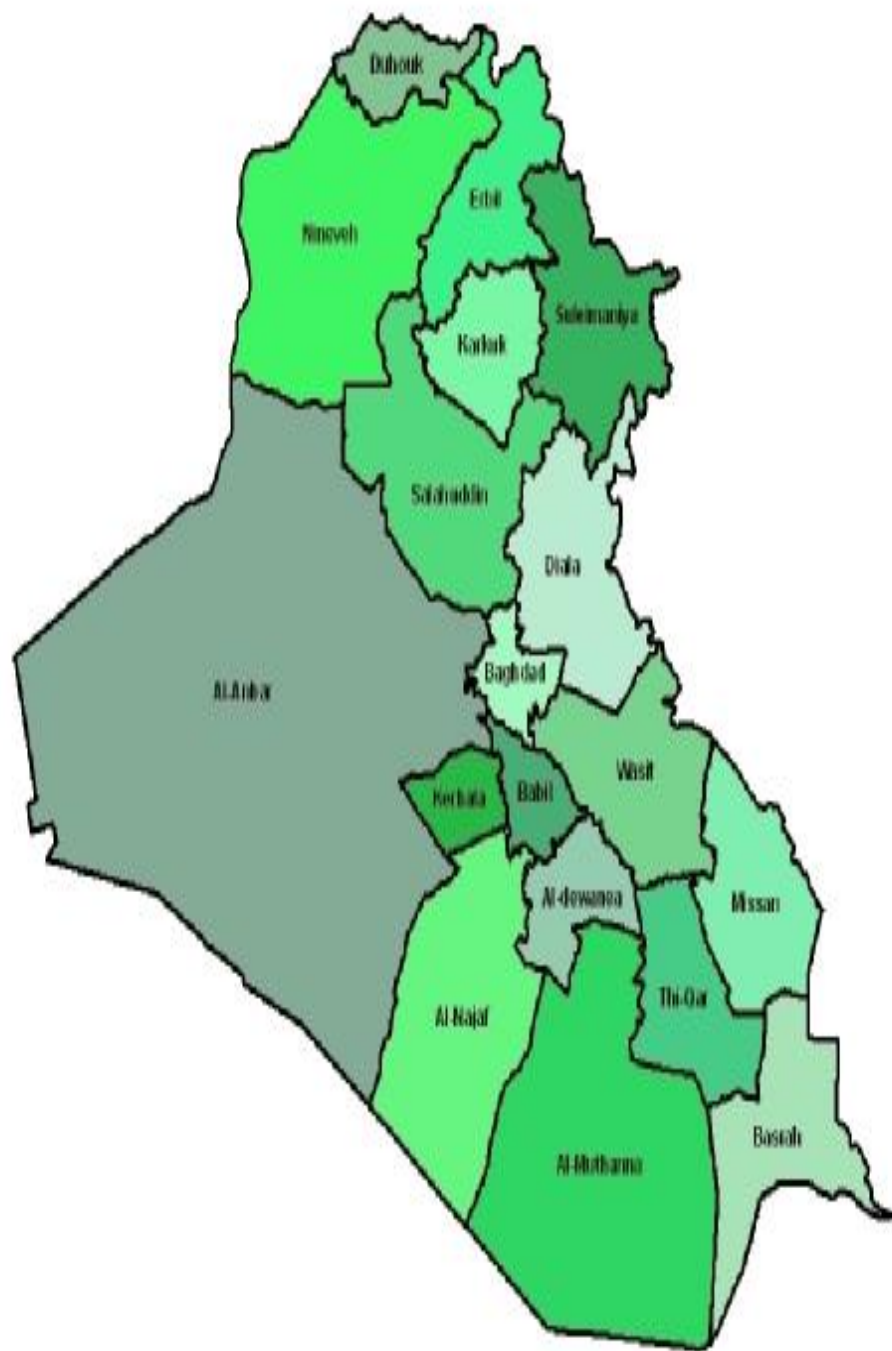




Table (11)

**The Commonest Ten Cancers in *Baghdad*.
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1-BREAST	974	23.73	14.53
2- BRONCHUS & LUNG	397	9.67	5.92
3- BRAIN&OTHER CNS	337	8.21	5.03
4- BLADDER	223	5.43	3.33
5- COLORECTAL	198	4.82	2.95
6- SKIN	167	4.07	2.49
7- LEUKEMIA	160	3.90	2.39
8- NON-HODGKIN LYMPHOMA	136	3.31	2.03
9- STOMACH	105	2.56	1.57
10- THYROID GLAND	101	2.46	1.51
TOTAL TEN	2798	68.16	41.75
ALL SITES	4105	100.00	61.25

Population of Baghdad Governorate in-2009 (6702538)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (17)

Incidence Rate of top Ten Cancers in Baghdad / 2009

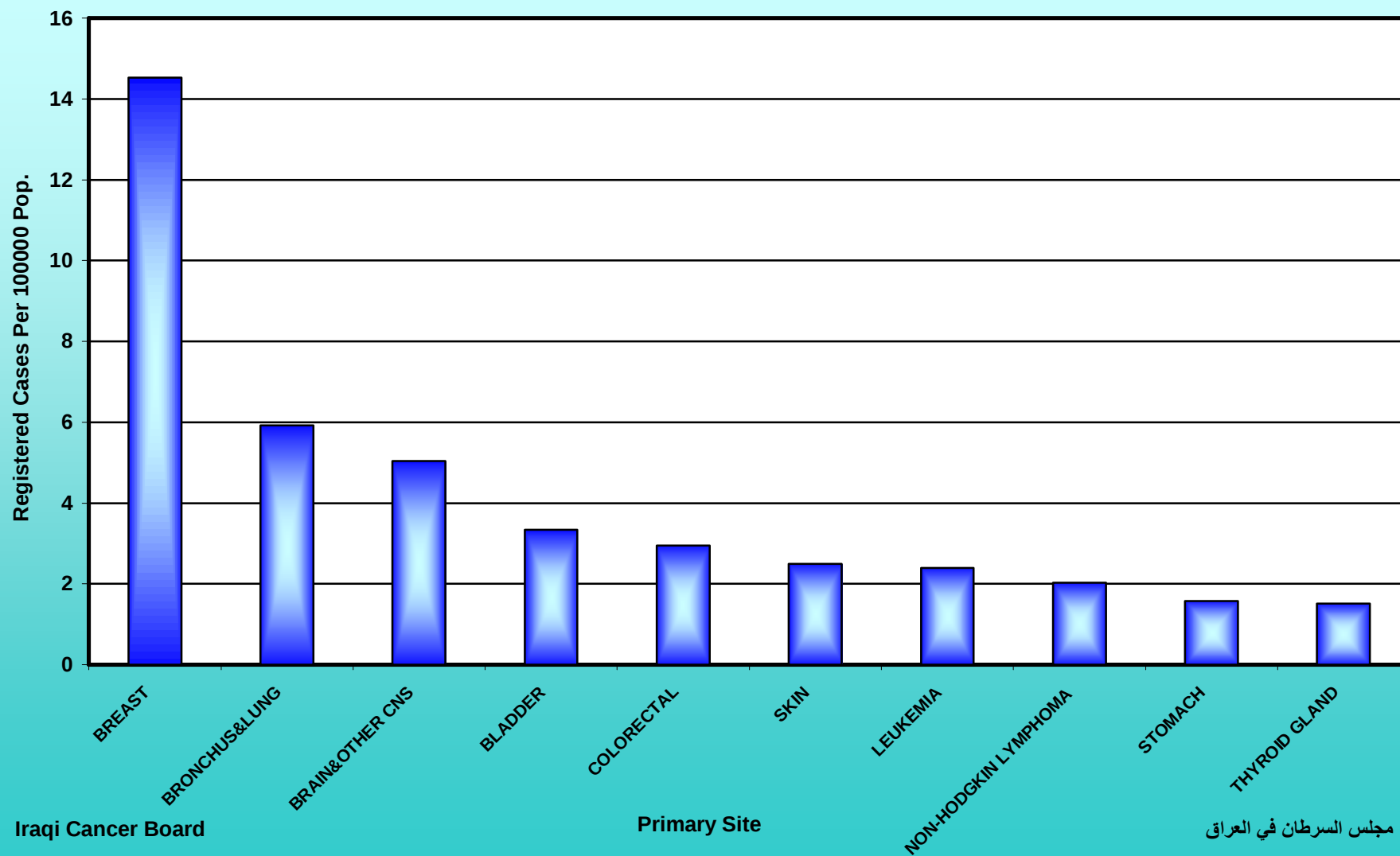


Table (١٢)

The Commonest Ten Cancer in Baghdad Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	RISSAFFA		AL ADHAMYIA		AL-SADER		AL KARKH		AL KADHIMYIAH		AL MAHMOODYIA		ABU GRAIB		AL MADAIN		AL TARMYEYEH		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	277	28.44	147	15.09	157	16.12	238	24.44	87	8.93	27	2.77	15	1.54	25	2.57	1	0.10	974	100.00
Bronchus & lung	94	23.68	31	7.81	83	20.91	111	27.96	41	10.33	18	4.53	8	2.02	10	2.52	1	0.25	397	100.00
Brain & Other CNS	81	24.04	44	13.06	70	20.77	69	20.47	31	9.20	11	3.26	11	3.26	19	5.64	1	0.30	337	100.00
Bladder	49	21.97	22	9.87	54	24.22	48	21.52	26	11.66	12	5.38	4	1.79	7	3.14	1	0.45	223	100.00
Colorectal	51	25.76	21	10.61	32	16.16	54	27.27	26	13.13	6	3.03	5	2.53	3	1.52	0	0	198	100.00
Skin	56	33.53	17	10.18	32	19.16	34	20.36	6	3.59	9	5.39	8	4.79	5	2.99	0	0	167	100.00
Leukemia	34	21.25	20	12.50	15	9.38	52	32.50	13	8.13	13	8.13	6	3.75	6	3.75	1	0.63	160	100.00
Non-Hodgkin Lymphoma	30	22.06	15	11.03	30	22.06	31	22.79	15	11.03	5	3.68	4	2.94	6	4.41	0	0	136	100.00
Stomach	25	23.81	14	13.33	23	21.90	19	18.10	13	12.38	8	7.62	1	0.95	2	1.90	0	0	105	100.00
Thyroid Gland	27	26.73	16	15.84	22	21.78	18	17.82	3	2.97	4	3.96	7	6.93	4	3.96	0	0	101	100.00
Total	724	24.50	347	13.36	518	20.01	674	20.29	261	7.46	113	6.27	69	4.64	87	3.42	5	0.72	2798	100.00



Nineveh

Population : 3,106,948

Case Number : 1377

Table (13)

**The Commonest Ten Cancers in *Nineveh*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /105 POP.
1-BREAST	264	19.17	8.50
2- BRONCHUS&LUNG	139	10.09	4.47
3- LEUKEMIA	120	8.71	3.86
4- COLORECTAL	82	5.95	2.64
5- NON-HODGKIN LYMPHOMA	80	5.81	2.57
6- BRAIN&OTHER CNS	69	5.01	2.22
7- STOMACH	62	4.50	2.00
8- BLADDER	43	3.12	1.38
9-SOFT TISSUES	42	3.05	1.35
10-LARYNX	38	2.76	1.22
TOTAL TEN	939	68.19	30.22
ALL SITE	1377	100	44.32

Population of Nineveh Governorate by Gender-2009 (3106948)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (18)

Incidence Rate of Top ten Cancers in Nineveh / 2009

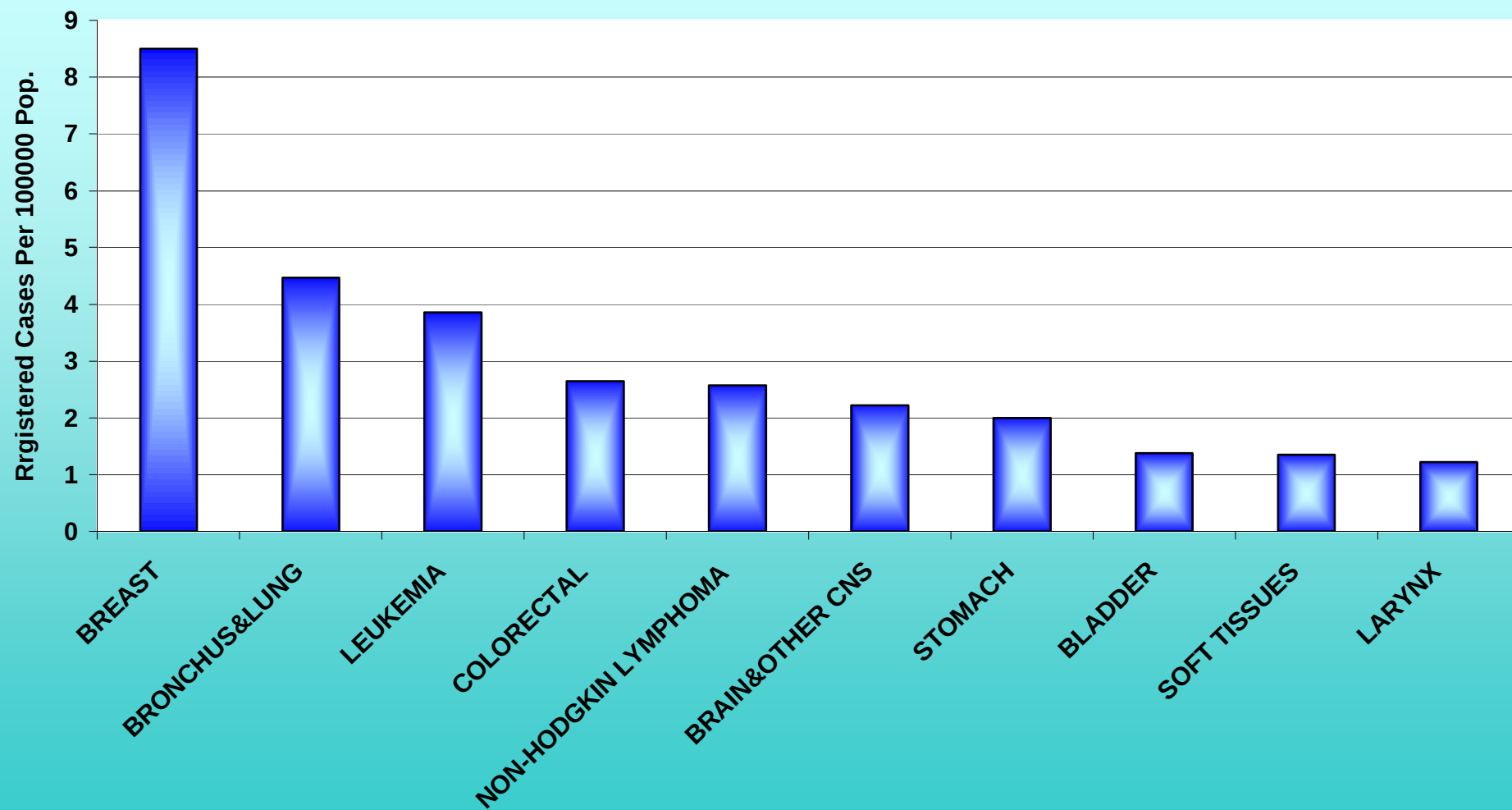
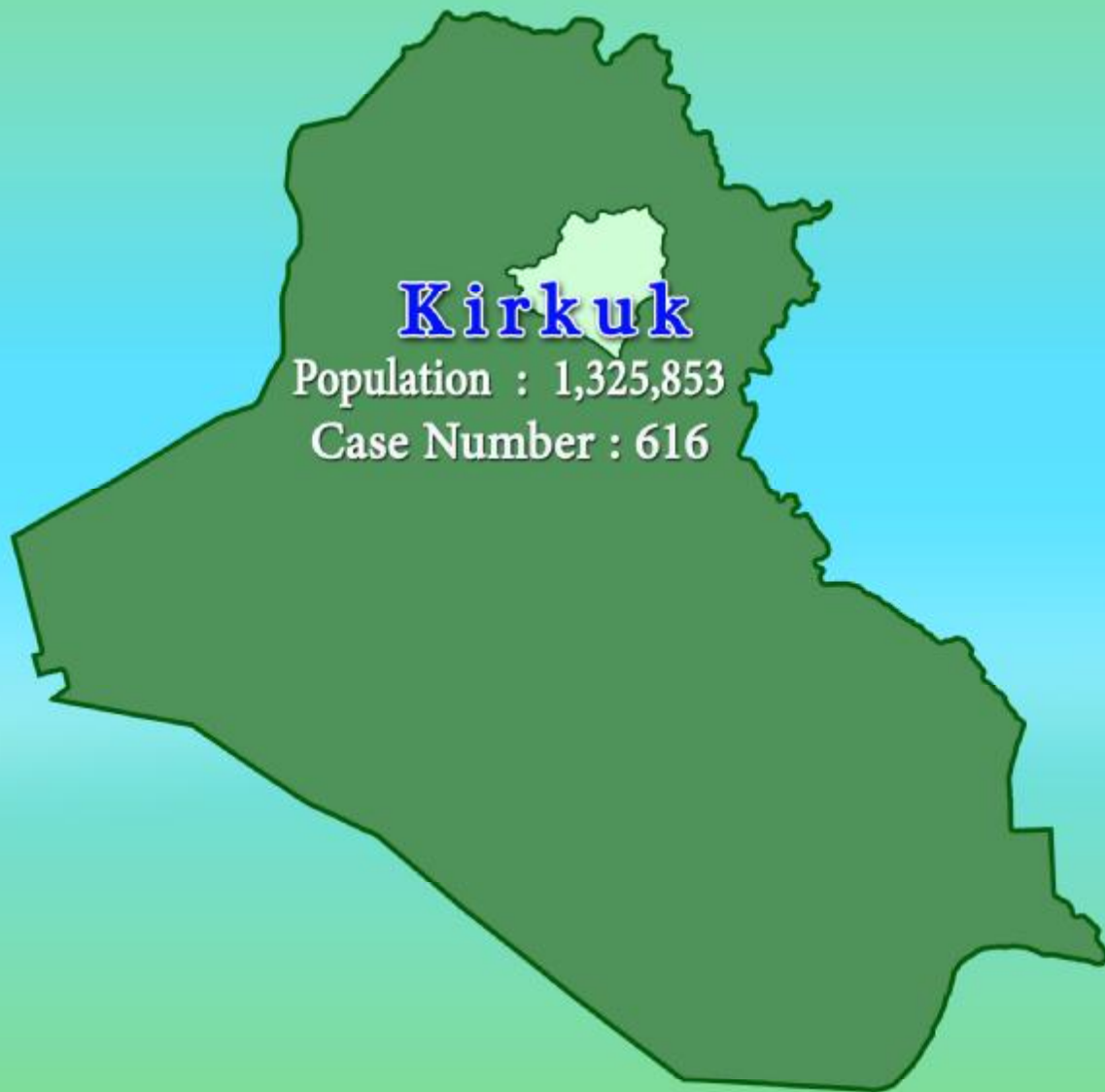


Table (14)

The Commonest Ten Cancer in Nineveh Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	AI MOSUL		AL-HAMDANYIA		TELKEIF		SINJAR		TEL AFFAR		AL SHIKHAN		AL HATHRA		AQRAA		AL BAAJ		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	215	81.44	12	4.55	9	3.41	2	0.76	20	7.58	1	0.38	2	0.76	2	0.76	1	0.38	264	100
Bronchus & lung	102	73.38	4	2.88	7	5.04	5	3.60	14	10.07	1	0.72	3	2.16	2	1.44	1	0.72	139	100
Leukemia	79	65.83	3	2.50	5	4.17	8	6.67	15	12.50	0	0.00	3	2.50	1	0.83	6	5.00	120	100
Colorectal	64	78.05	3	3.66	5	6.10	2	2.44	7	8.54	0	0.00	0	0.00	0	0.00	1	1.22	82	100
Non- Hodgkin Lymphoma	63	78.75	3	3.75	3	3.75	1	1.25	7	8.75	1	1.25	0	0.00	0	0.00	2	2.50	80	100
Brain & Other CNS	48	69.57	0	0.00	2	2.90	7	10.14	8	11.59	0	0.00	0	0.00	1	1.45	3	4.35	69	100
Stomach	41	66.13	4	6.45	2	3.23	6	9.68	6	9.68	0	0.00	0	0.00	1	1.61	2	3.23	62	100
Bladder	29	67.44	1	2.33	0	0.00	2	4.65	8	18.60	0	0.00	1	2.33	1	2.33	1	2.33	43	100
Soft Tissues	30	71.43	1	2.38	2	4.76	1	2.38	5	11.90	2	4.76	1	2.38	0	0.00	0	0.00	42	100
Larynx	26	68.42	3	7.89	1	2.63	1	2.63	4	10.53	1	2.63	1	2.63	1	2.63	0	0.00	38	100
Total	697	74.23	34	3.62	36	3.83	35	3.73	94	10.01	6	0.64	11	1.17	9	0.96	17	1.81	939	100



Kirkuk

Population : 1,325,853

Case Number : 616

Table (15)

**The Commonest Ten Cancers in *Kirkuk*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	97	15.75	7.32
2- BRONCHUS&LUNG	75	12.18	5.66
3- STOMACH	40	6.49	3.02
4- COLORECTAL	36	5.84	2.72
5- BLADDER	34	5.52	2.56
6- SKIN	34	5.52	2.56
7- LEUKEMIA	32	5.19	2.41
8- BRAIN&OTHER CNS	29	4.71	2.19
9- LARYNX	28	4.55	2.11
10 - NON-HODGKIN LYMPHOMA	23	3.73	1.73
TOTAL TEN	428	69.48	32.28
ALL SITES	616	100	46.46

Population of Kirkuk Governorate by Gender-2009 (1325853)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (19)

Incidence Rate of Top Ten Cancers in Kirkuk / 2009

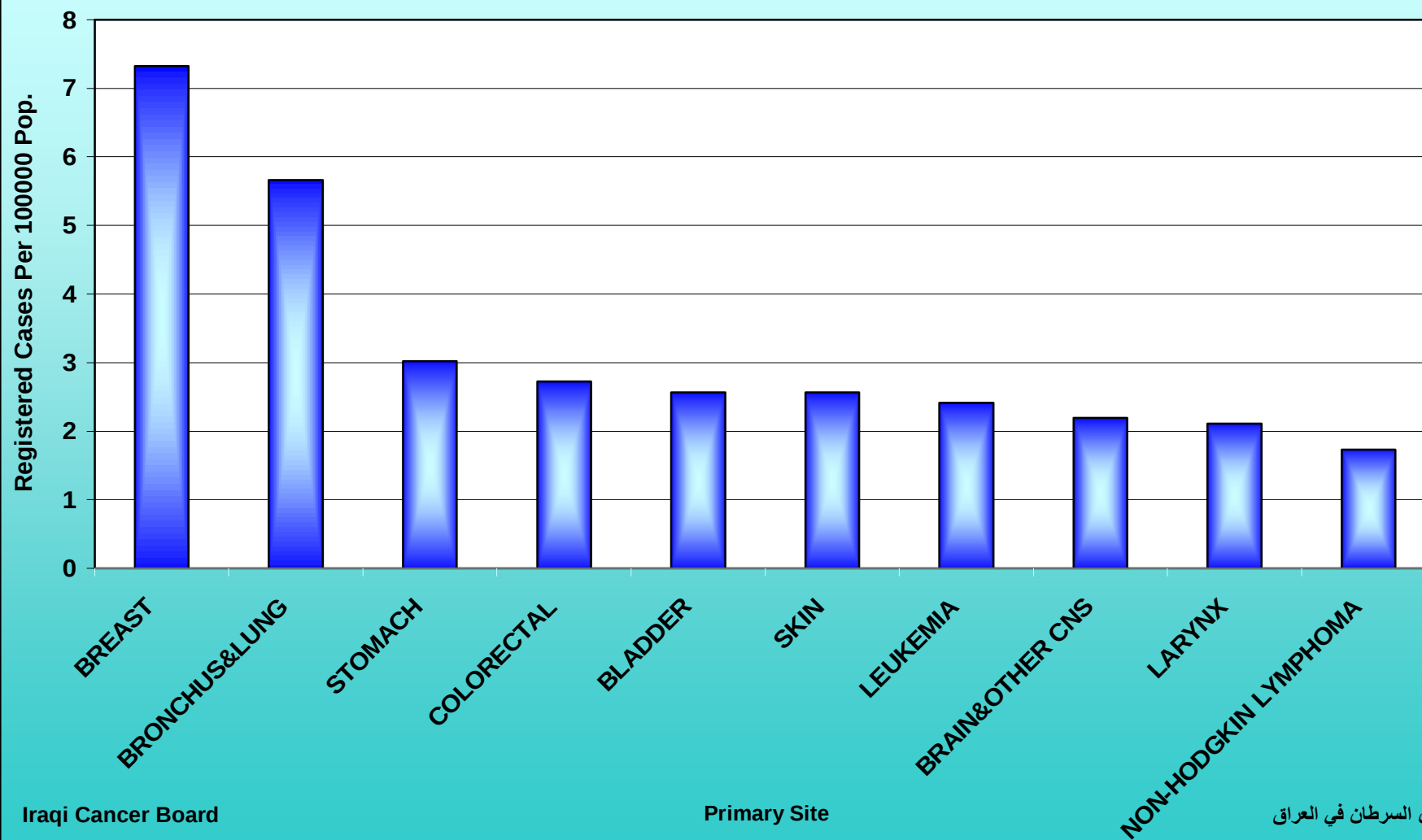


Table (16)

The Commonest Ten Cancer in Kirkuk Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	KIRKUK		AL HAWIJA		DAKOOK		DIBID		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	80	82.47	13	13.40	1	1.03	3	3.09	97	100.00
Bronchus & Lung	70	93.33	5	6.67	0	0.00	0	0.00	75	100.00
Stomach	36	90.00	3	7.50	0	0.00	1	2.50	40	100.00
Colorectal	33	91.67	2	5.56	0	0.00	1	2.78	36	100.00
Bladder	30	88.24	3	8.82	1	2.94	0	0.00	34	100.00
Skin	34	100.00	0	0.00	0	0.00	0	0.00	34	100.00
Leukemia	28	87.50	3	9.38	1	3.13	0	0.00	32	100.00
Brain & Other CNS	26	89.66	3	10.34	0	0.00	0	0.00	29	100.00
Larynx	25	89.29	1	3.57	1	3.57	1	3.57	28	100.00
Non- Hodgkin Lymphoma	19	82.61	4	17.39	0	0.00	0	0.00	23	100.00
Total	381	89.02	37	16.23	4	1.75	6	2.63	428	100.00

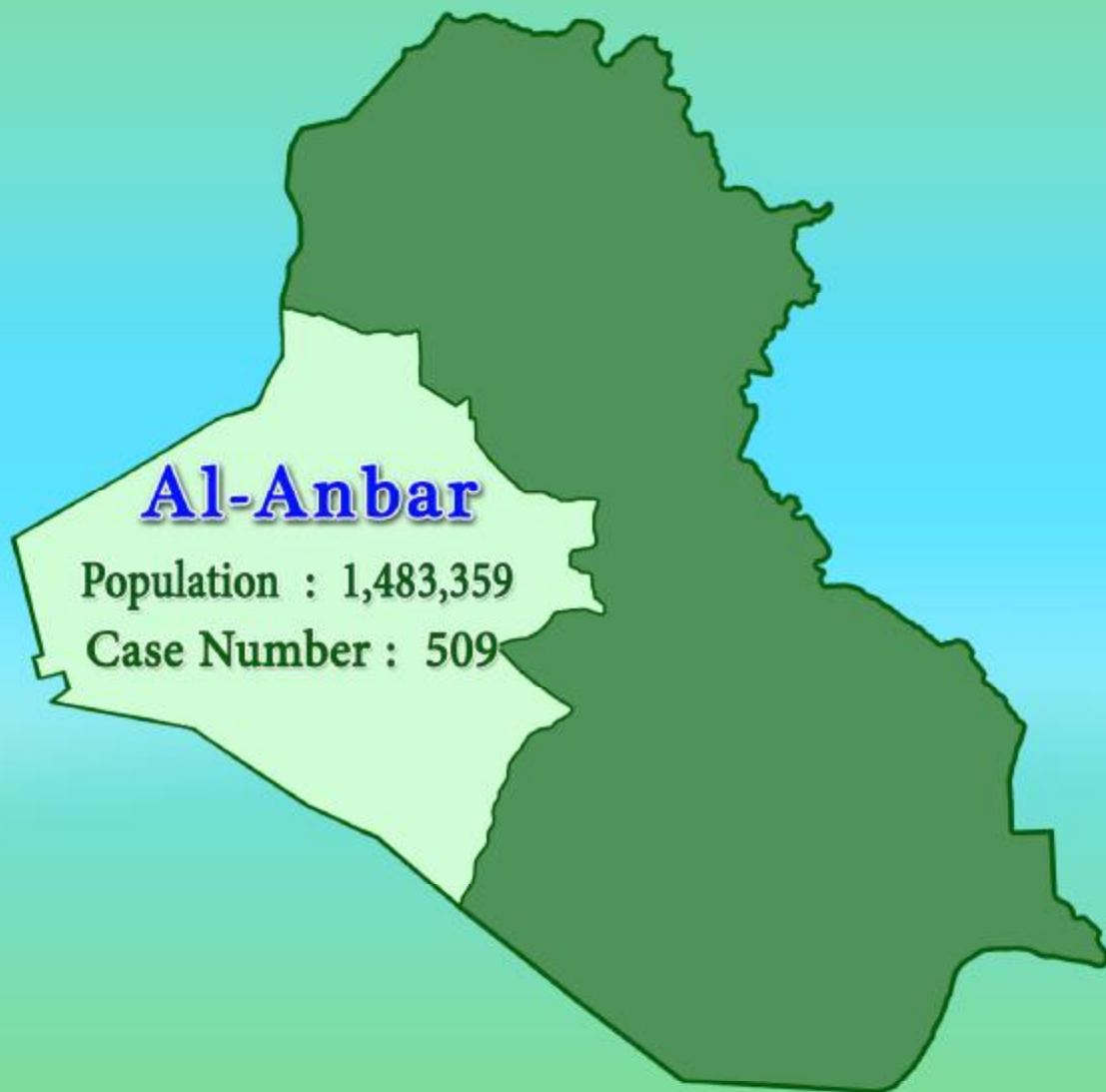


Table (17)

**The Commonest Ten Cancers in Al-Anbar.
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1-BREAST	64	12.57	4.31
2 -STOMACH	60	11.79	4.04
3-BRONCHUS & LUNG	56	11.00	3.78
4- BRAIN & OTHER CNS	48	9.43	3.24
5- BLADDER	42	8.25	2.83
6- NON-HODGKIN LYMPHOMA	26	5.11	1.75
7- LEUKEMIA	24	4.72	1.62
8- HODGKIN LYMPHOMA	17	3.34	1.15
9- LIVER	15	2.95	1.01
10- SKIN	14	2.75	0.94
TOTAL TEN	366	71.91	24.67
ALL SITES	509	100.00	34.31

Population of Al-Anbar Governorate by Gender-2009 (1483359)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (20)

Incidence Rate of Top ten Cancers in Al-Anbar / 2009

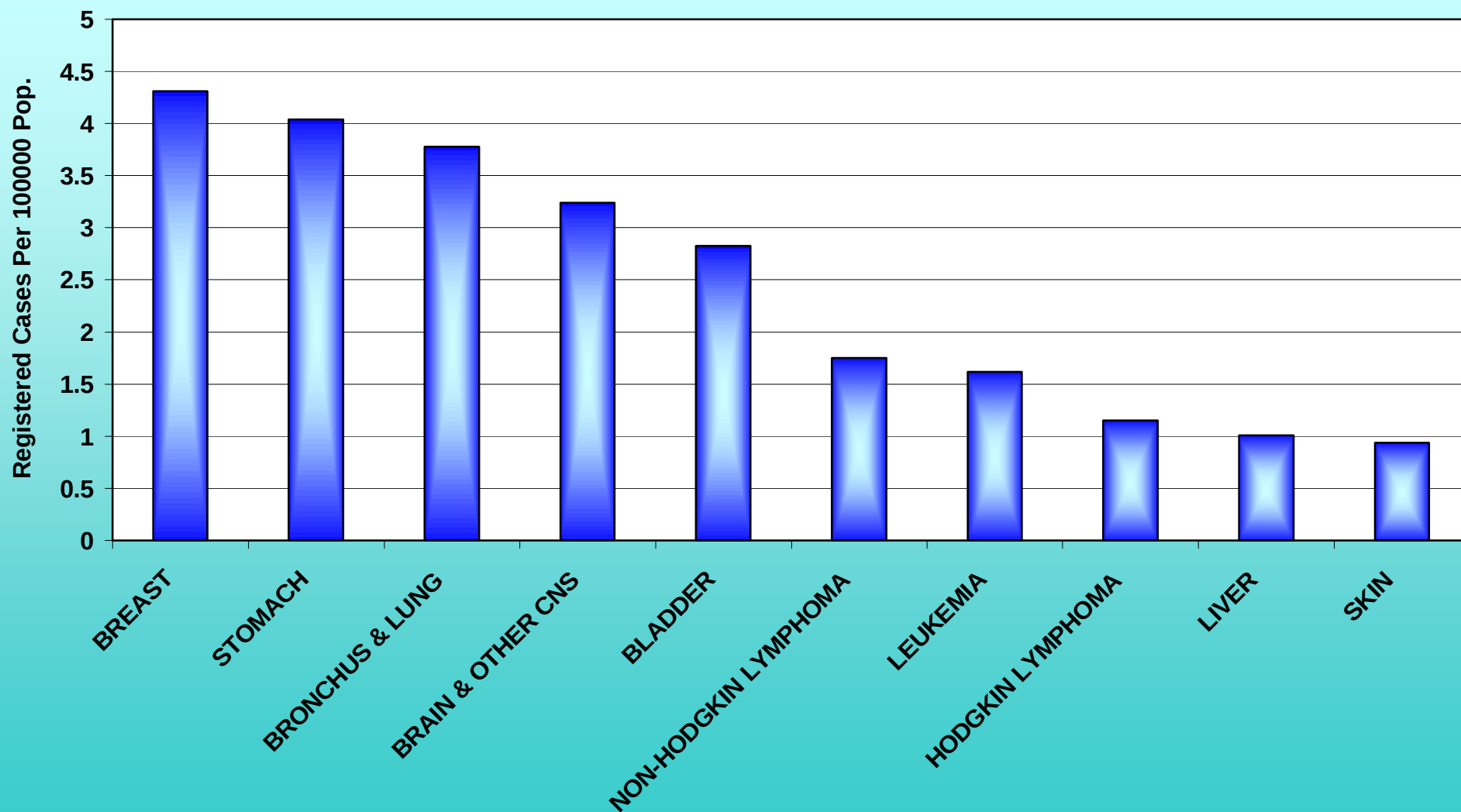


Table (18)

**The Commonest Ten Cancer in AL-Anbar Districts
Number of New Cases by Primary Site , Percentage of Total in 2009**

TOP TEN	AL RAMADI		HEET		AL FALOOJA		AANA		HADEETHA		AL RUTTBA		AL KAAIM		RAWA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	30	46.88	6	9.38	22	34.38	3	4.69	0	0.00	0	0.00	3	4.69	0	0.00	64	100.00
stomach	48	80.00	2	3.33	8	13.33	0	0.00	1	1.67	1	1.67	0	0.00	0	0.00	60	100.00
Bronchus & Lung	40	71.43	5	8.93	7	12.50	0	0.00	4	7.14	0	0.00	0	0.00	0	0.00	56	100.00
Brain & Other CNS	29	60.42	3	6.25	14	29.17	0	0.00	1	2.08	0	0.00	1	2.08	0	0.00	48	100.00
Bladder	26	61.90	0	0.00	12	28.57	1	2.38	2	4.76	0	0.00	1	2.38	0	0.00	42	100.00
Non-Hodgkin Lymphoma	17	65.38	2	7.69	5	19.23	1	3.85	0	0.00	0	0.00	1	3.85	0	0.00	26	100.00
Leukemia	12	50.00	1	4.17	3	12.50	1	4.17	3	12.50	0	0.00	4	16.67	0	0.00	24	100.00
Hodgkin Lymphoma	10	58.82	1	5.88	5	29.41	0	0.00	0	0.00	0	0.00	1	5.88	0	0.00	17	100.00
Liver	11	73.33	0	0.00	3	20.00	0	0.00	0	0.00	0	0.00	1	6.67	0	0.00	15	100.00
Skin	7	50.00	1	7.14	4	28.57	0	0.00	1	7.14	0	0.00	0	0.00	1	7.14	14	100.00
Total	230	62.84	21	5.74	83	22.68	6	1.64	12	3.28	1	0.27	12	3.28	1	0.27	366	100.00

A map of Salah-Aldin province in Iraq, shown in dark green. It is located within a larger map of Iraq, which is shown in a lighter green. The province's irregular shape is clearly defined. The background of the entire image is a light blue gradient.

Salah-Aldin

Population : 1,337,786

Case Number : 560

Table (19)

The Commonest Ten Cancers in Salah-Alden
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	108	19.29	8.07
2- SKIN	45	8.04	3.36
3- NON-HODGKIN LYMPHOMA	42	7.50	3.14
4- BRONCHUS & LUNG	37	6.61	2.77
5- BLADDER	33	5.89	2.47
6- LEUKEMIA	26	4.64	1.94
7- BRAIN & OTHER CNS	23	4.11	1.72
8- LARYNX	19	3.39	1.42
9-OVARY	19	3.39	1.42
10- HODGKIN LYMPHOMA	19	3.39	1.42
TOTAL TEN	371	66.25	27.73
ALL SITES	560	100	41.86

Population of Salah-Alden Governorate by Gender-2009 (1337786)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (21)

Incidence Rate of Top Ten Cancers in Salah-Aldin / 2009

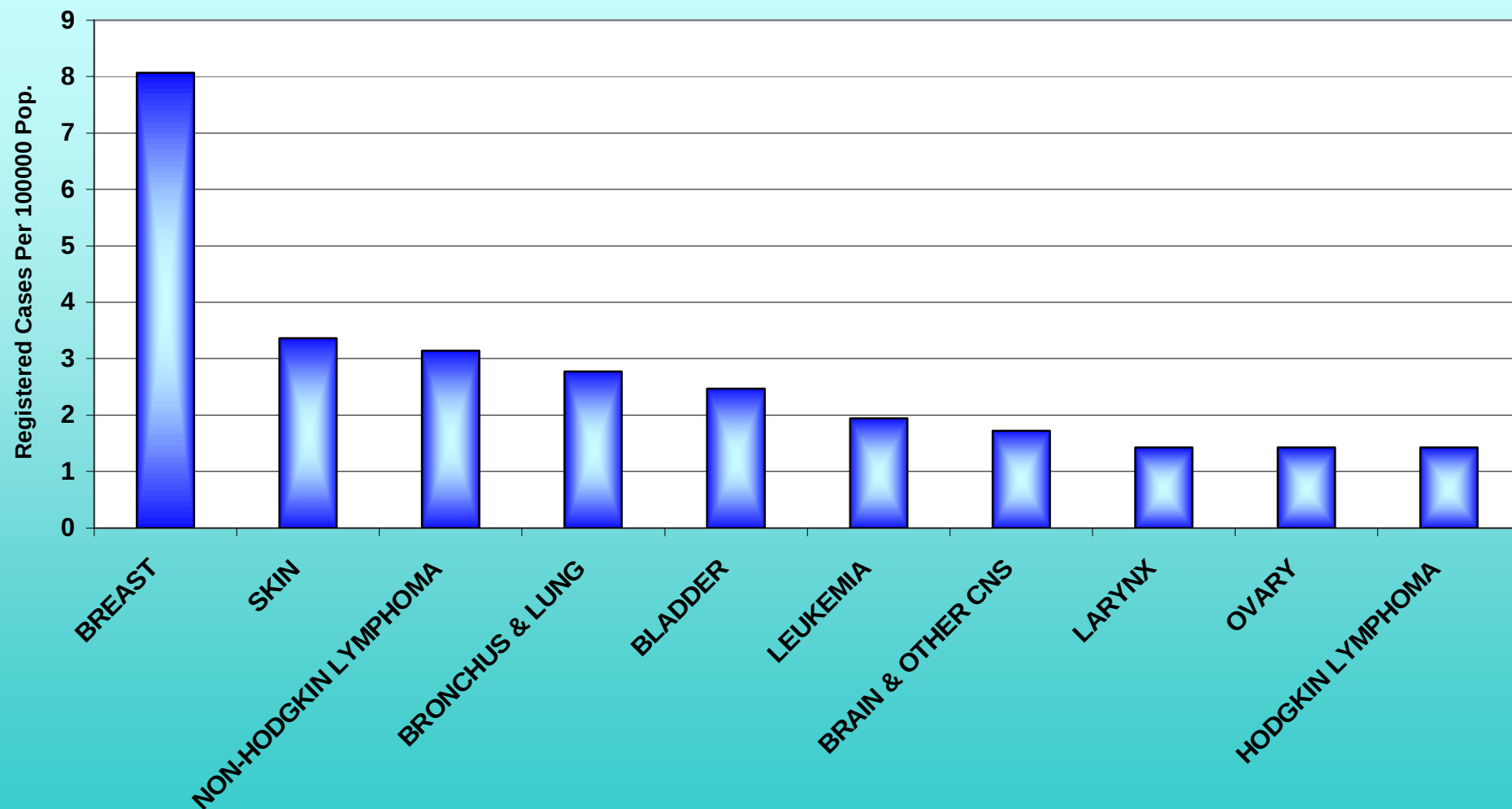


Table (20)

The Commonest Ten Cancer in Salah - Aldin Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	TIKRIT		DOOZ KHORMATOO		SAMMARA		BALAD		BEIGY		AL DOOR		AL SHIRKATT		AL FARIS		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	59	54.63	2	1.85	13	12.04	13	12.04	7	6.48	0	0.00	13	12.04	1	0.93	108	100
Skin	33	73.33	0	0.00	7	15.56	3	6.67	1	2.22	0	0.00	1	2.22	0	0.00	45	100
Non-Hodgkin Lymphoma	16	38.10	0	0.00	15	35.71	2	4.76	4	9.52	0	0.00	5	11.90	0	0.00	42	100
Bronchus & Lung	16	43.24	1	2.70	5	13.51	4	10.81	6	16.22	0	0.00	4	10.81	1	2.70	37	100
Bladder	23	69.70	0	0.00	4	12.12	3	9.09	2	6.06	0	0.00	1	3.03	0	0.00	33	100
Leukemia	9	34.62	1	3.85	7	26.92	1	3.85	3	11.54	0	0.00	5	19.23	0	0.00	26	100
Brain & Other CN	7	30.43	0	0.00	4	17.39	5	21.74	3	13.04	0	0.00	4	17.39	0	0.00	23	100
Larynx	9	47.37	1	5.26	3	15.79	5	26.32	1	5.26	0	0.00	0	0.00	0	0.00	19	100
Ovary	11	57.89	0	0.00	4	21.05	1	5.26	1	5.26	0	0.00	2	10.53	0	0.00	19	100
Hodgkin Lymphoma	8	42.11	1	5.26	2	10.53	3	15.79	1	5.26	0	0.00	3	15.79	1	5.26	19	100
Total	191	51.48	6	1.62	64	17.25	40	10.78	29	7.82	0	0.00	38	10.24	3	0.81	371	100



Table (21)

**The Commonest Ten Cancers in Dyala
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1-BREAST	99	25.19	7.22
2- BRONCHUS & LUNG	33	8.40	2.41
3- BRAIN & OTHER CNS	32	8.14	2.33
4- SKIN	23	5.85	1.68
5- BLADDER	18	4.58	1.31
6- COLORECTAL	18	4.58	1.31
7- LEUKEMIA	15	3.82	1.09
8- NON-HODGKIN LYMPHOMA	14	3.56	1.02
9- LARYNX	11	2.80	0.80
10- OVARY	11	2.80	0.80
TOTAL TEN	274	69.72	19.98
ALL SITES	393	100	28.66

Population of Dyala Governorate by Gender-2009 (1371035)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (22)

Incidence Rate of Top Ten Cancers in Dyala / 2009

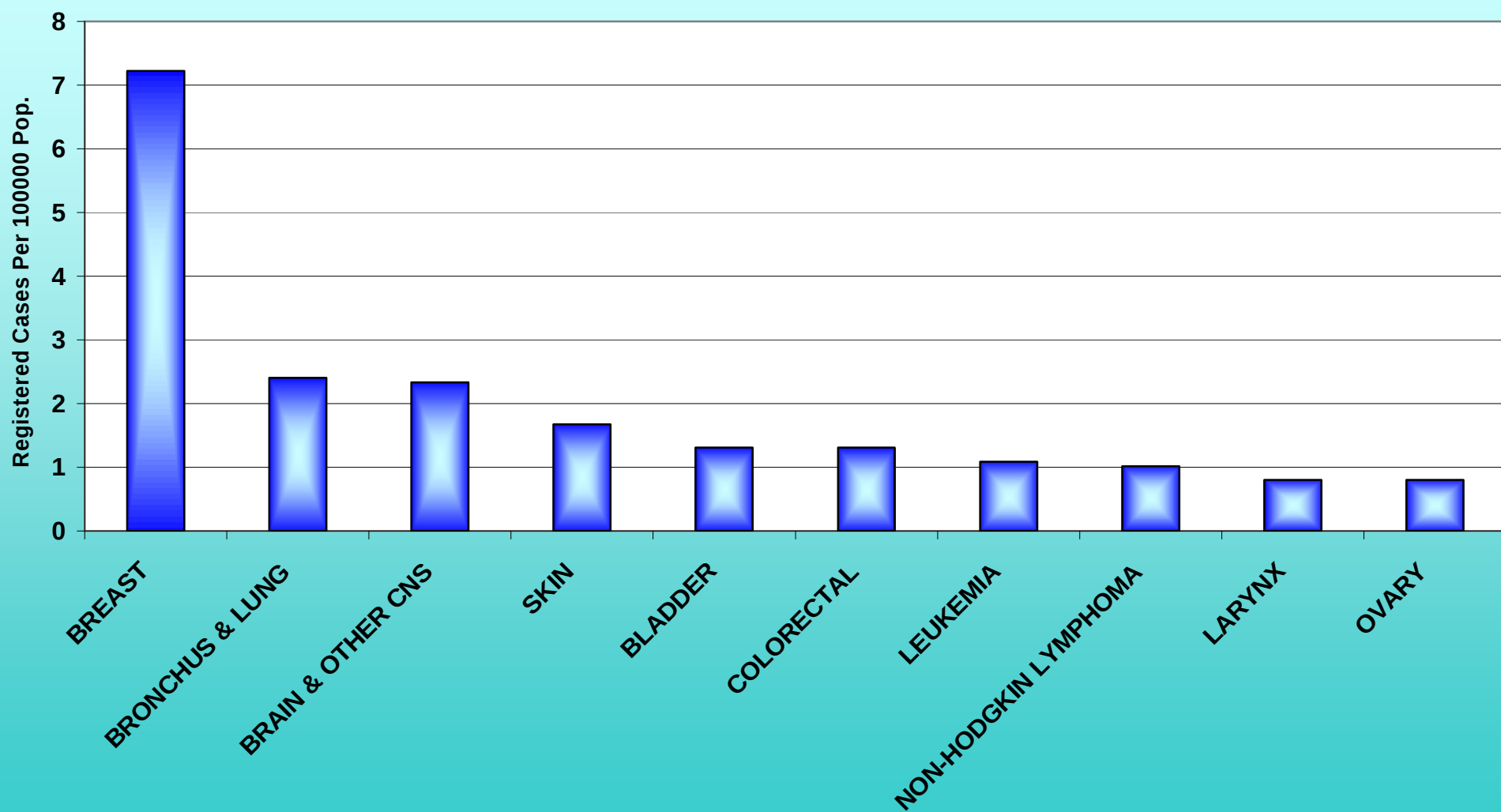
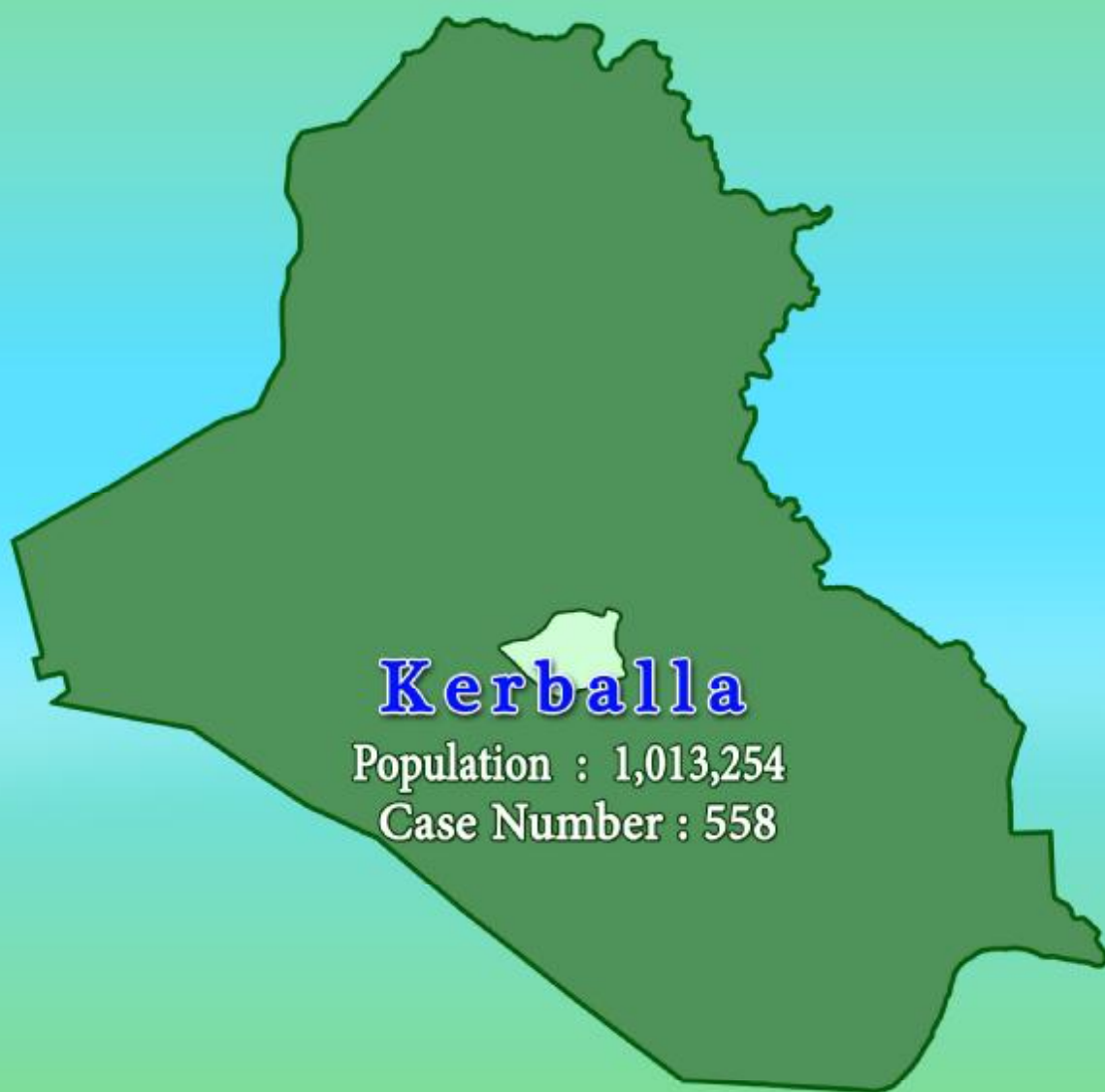


Table (22)

The Commonest Ten Cancer in Dyala Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	BAKOOBA		AL MUQDADIAH		AL KHALIS		BALADROOZE		KHANAKEEN		KIFFRI		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	46	46.46	17	17.17	22	22.22	4	4.04	9	9.09	1	1.01	99	100
Bronchus & Lung	16	48.48	6	18.18	7	21.21	1	3.03	3	9.09	0	0.00	33	100
Brain & Other CNS	11	34.38	6	18.75	8	25.00	4	12.50	3	9.38	0	0.00	32	100
Skin	13	56.52	0	0.00	4	17.39	4	17.39	2	8.70	0	0.00	23	100
Bladder	8	44.44	4	22.22	4	22.22	1	5.56	1	5.56	0	0.00	18	100
Colorectal	13	72.22	1	5.56	2	11.11	2	11.11	0	0.00	0	0.00	18	100
Leukemia	8	53.33	4	26.67	1	6.67	1	6.67	1	6.67	0	0.00	15	100
Non-Hodgkin Lymphoma	5	35.71	4	28.57	1	7.14	1	7.14	3	21.43	0	0.00	14	100
Larynx	3	27.27	2	18.18	2	18.18	0	0.00	4	36.36	0	0.00	11	100
Ovary	6	54.55	0	0.00	3	27.27	1	9.09	1	9.09	0	0.00	11	100
Total	129	47.08	44	16.06	54	19.71	27	9.85	27	9.85	1	0.36	274	100



Kerbala

Population : 1,013,254

Case Number : 558

Table (23)

**The Commonest Ten Cancers in Kerballa
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	97	17.38	9.57
2- BRONCHUS & LUNG	87	15.59	8.59
3- BLADDER	73	13.08	7.20
4- BRAIN & OTHER CNS	37	6.63	3.65
5- NON-HODGKIN LYMPHOMA	34	6.09	3.36
6- LEUKEMIA	33	5.91	3.26
7- LARYNX	19	3.41	1.88
8- COLORECTAL	15	2.69	1.48
9- PROSTATE	14	2.51	1.38
10- KIDNEY	13	2.33	1.28
TOTAL TEN	422	75.63	41.65
ALL SITES	558	100.00	55.07

Population of *Kerballa* Governorate by Gender-2009 (1013254)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (23)

Incidence Rate of Top Ten Cancers
in Kerballa / 2009

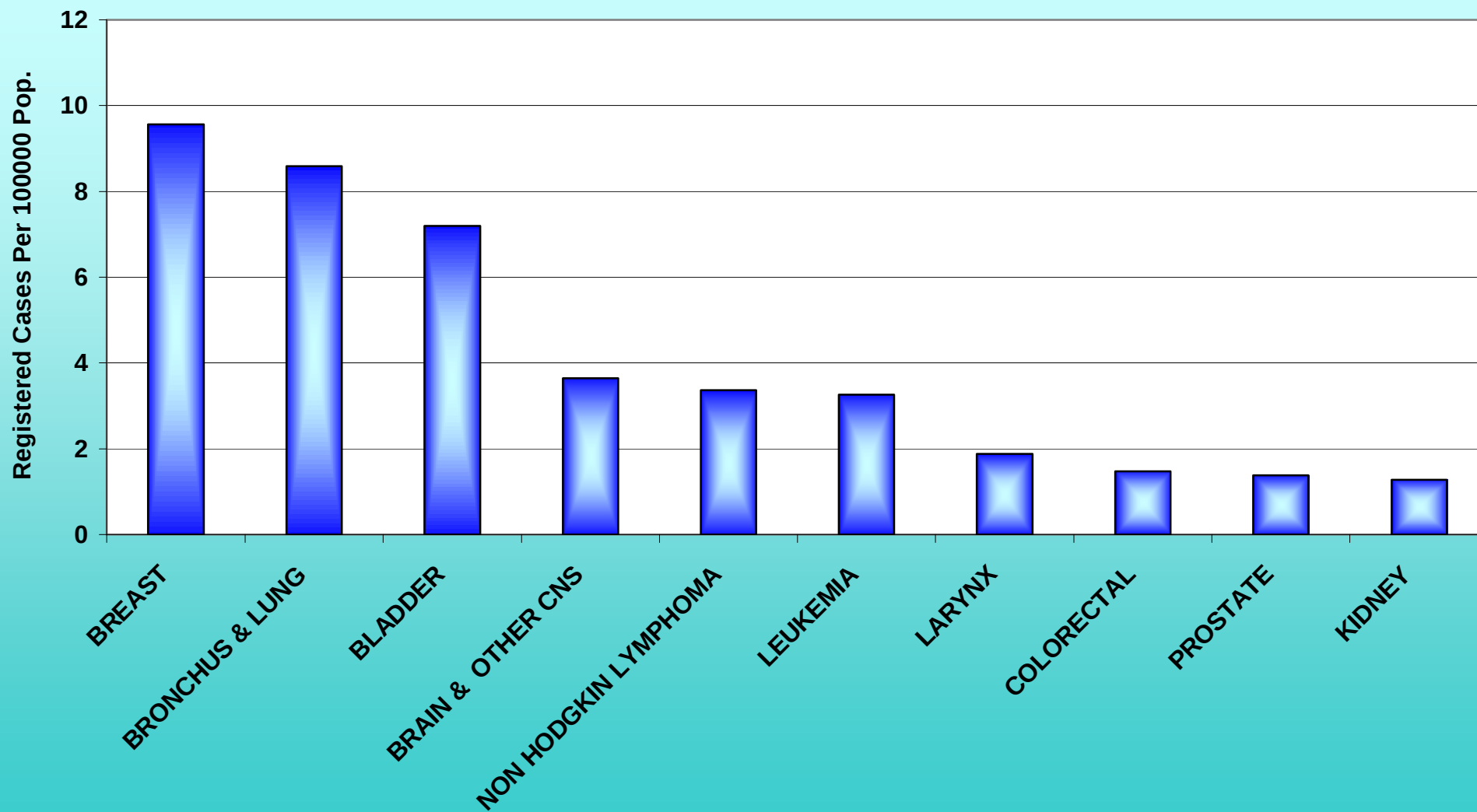


Table (24)

The Commonest Ten Cancer in Kerballa Districts
٢٠٠٩ Number of New Cases by Primary Site , Percentage of Total in

TOP TEN	KARBALLA		AIN TAMOUR		AL HINDIA		TOTAL	
	NO	%	NO	%	NO	%	NO	%
Breast	٧٢	74.23	1	1.03	24	24.74	97	100
Bronchus & Lung	64	73.56	1	1.15	22	25.3	87	100
Bladder	59	80.82	1	1.37	13	17.8	73	100
Brain & Other CNS	30	81.08	0	0.00	7	18.9	37	100
Non- Hodgkin Lymphoma	26	76.47	0	0.00	8	23.5	34	100
Leukemia	24	72.73	2	6.06	7	21.2	33	100
Larynx	16	84.21	0	0.00	3	15.8	19	100
Colorectal	12	80	0	0.00	3	20	15	100
Prostate	12	85.71	0	0.00	2	14.3	14	100
Kidney	9	69.23	0	0.00	4	30.8	13	100
Total	324	76.78	5	1.18	93	22	422	100



Al-Najaf

Population : 1,221,228

Case Number : 1050

Table (25)

The Commonest Ten Cancers in *Al- Najaf*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1-BREAST	189	18.00	15.48
2-BRONCHUS & LUNG	122	11.62	9.99
3- BLADDER	76	7.24	6.22
4- LEUKEMIA	68	6.48	5.57
5- BRAIN & OTHER CNS	53	5.05	4.34
6- NON-HODGKIN LYMPHOMA	53	5.05	4.34
7- STOMACH	45	4.29	3.68
8- LIVER	36	3.43	2.95
9- PROSTATE	31	2.95	2.54
10- COLORECTAL	30	2.86	2.46
TOTAL TEN	703	66.95	57.57
ALL SITES	1050	100.00	85.98

Population of *Al- Najaf* Governorate by Gender-2009 (1221228)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (24)

Incidence Rate of Top Ten Cancers in Al - Najaf / 2009

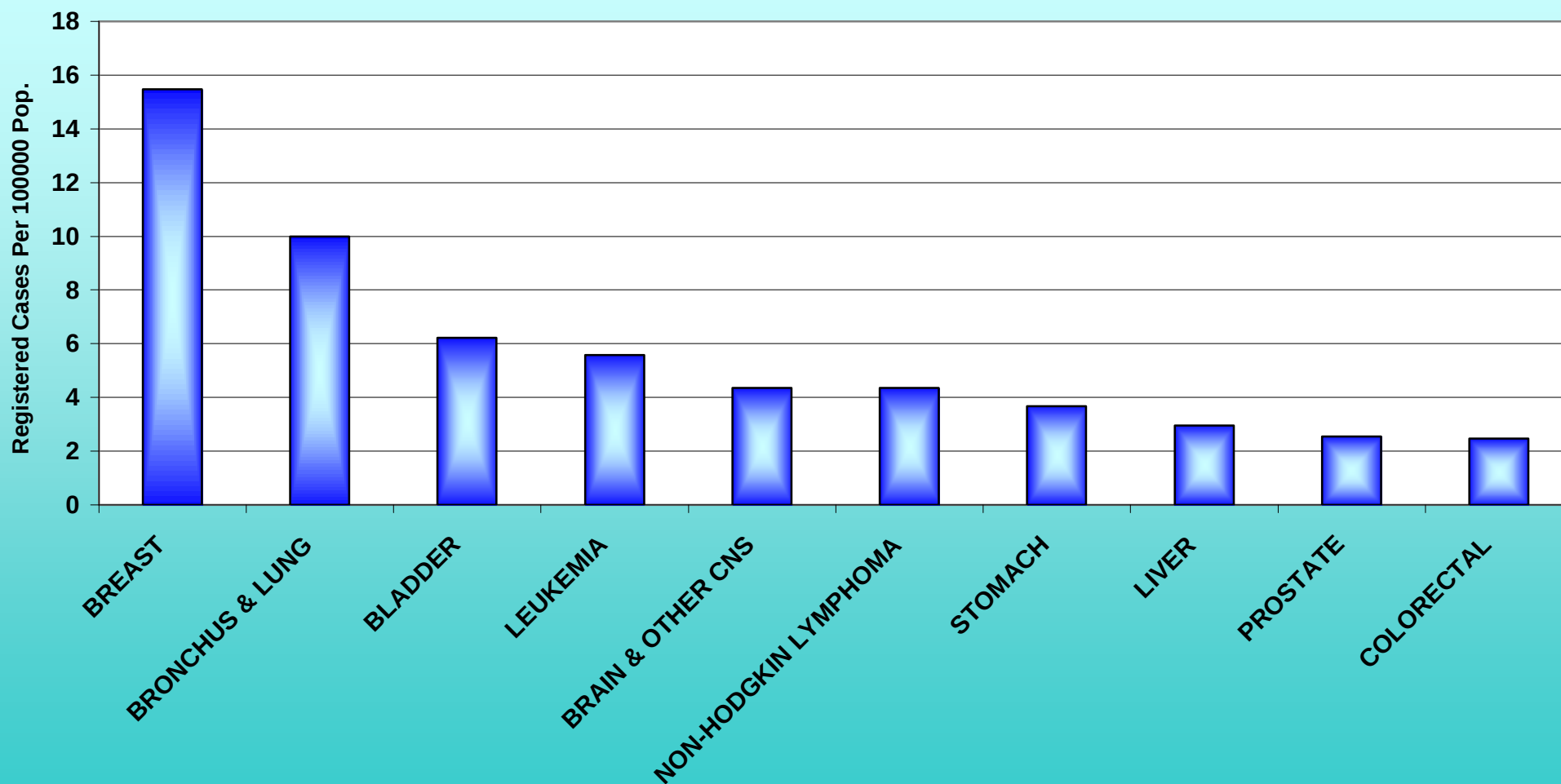
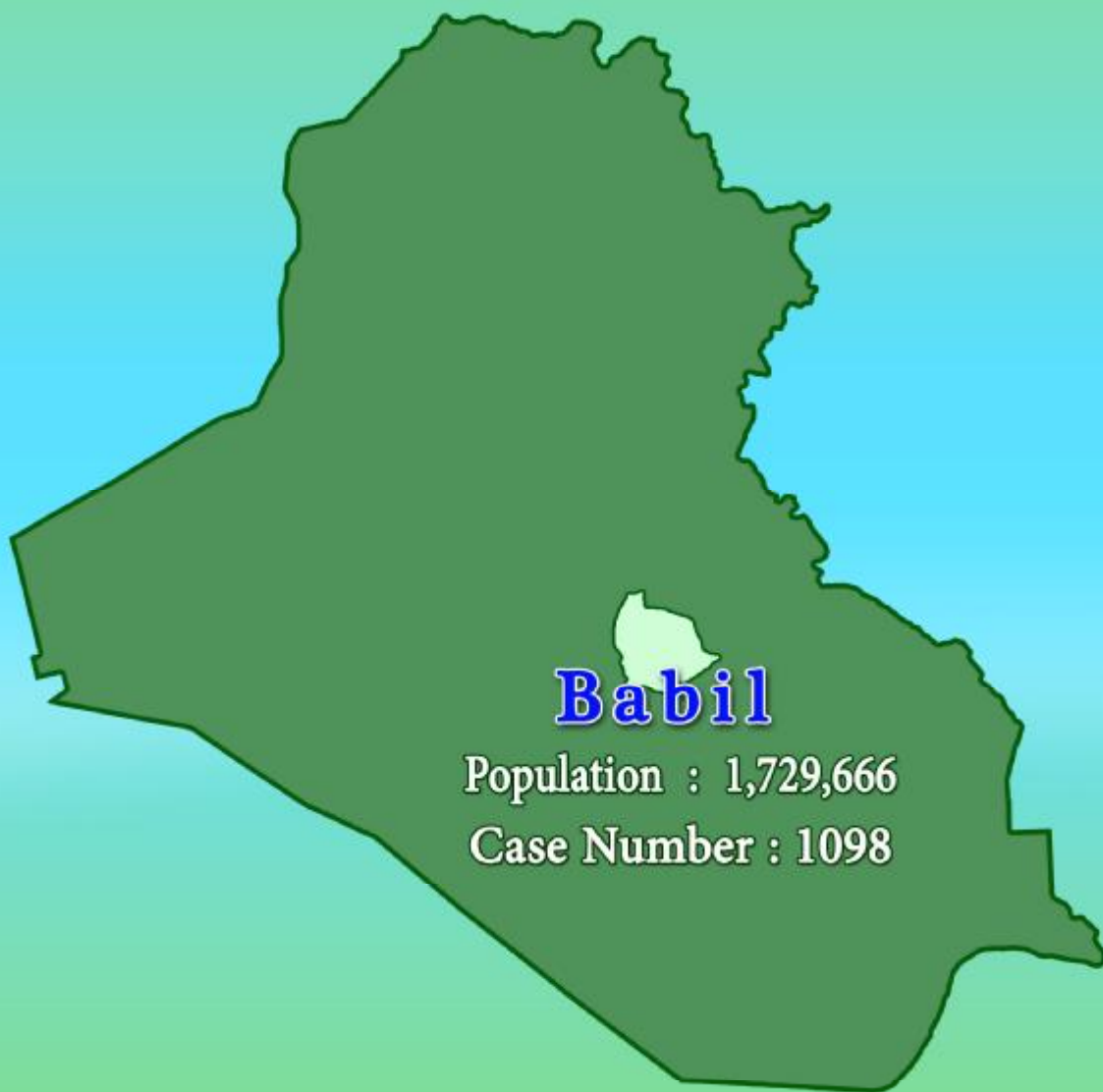


Table (26)

The Commonest Ten Cancer in AL- Najaf Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	AL NAJAF		AL KUFFA		AL MANATHRA		TOTAL	
	NO	%	NO	%	NO	%	NO	%
Breast	129	68.25	35	18.52	25	13.23	189	100.00
Bronchus & Lung	71	58.20	33	27.05	18	14.75	122	100.00
Bladder	50	65.79	17	22.37	9	11.84	76	100.00
Leukemia	42	61.76	15	22.06	11	16.18	68	100.00
Brain & Other CNS	37	69.81	13	24.53	3	5.66	53	100.00
Non-Hodgkin Lymphoma	35	66.04	12	22.64	6	11.32	53	100.00
Stomach	34	75.56	7	15.56	4	8.89	45	100.00
Liver	26	72.22	2	5.56	8	22.22	36	100.00
Prostate	21	67.74	7	22.58	3	9.68	31	100.00
Colorectal	21	70.00	7	23.33	2	6.67	30	100.00
Total	466	66.29	148	21.05	89	12.66	703	100.00



Babil

Population : 1,729,666

Case Number : 1098

Table (27)

The Commonest Ten Cancers in *Babil*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	167	15.21	9.66
2- BRONCHUS & LUNG	165	15.03	9.54
3- BRAIN & OTHER CNS	77	7.01	4.45
4- LEUKEMIA	77	7.01	4.45
5- BLADDER	70	6.38	4.05
6- NON-HODGKIN LYMPHOMA	54	4.92	3.12
7- COLORECTAL	40	3.64	2.31
8- PANCREAS	35	3.19	2.02
9- LIVER	33	3.01	1.91
10- LARYNX	31	2.82	1.79
TOTAL TEN	749	68.21	43.30
ALL SITES	1098	100.00	63.48

Population of *Babil* Governorate by Gender-2009 (1729666)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (25)

Incidence Rate of Top Ten Cancers
in Babil / 2009

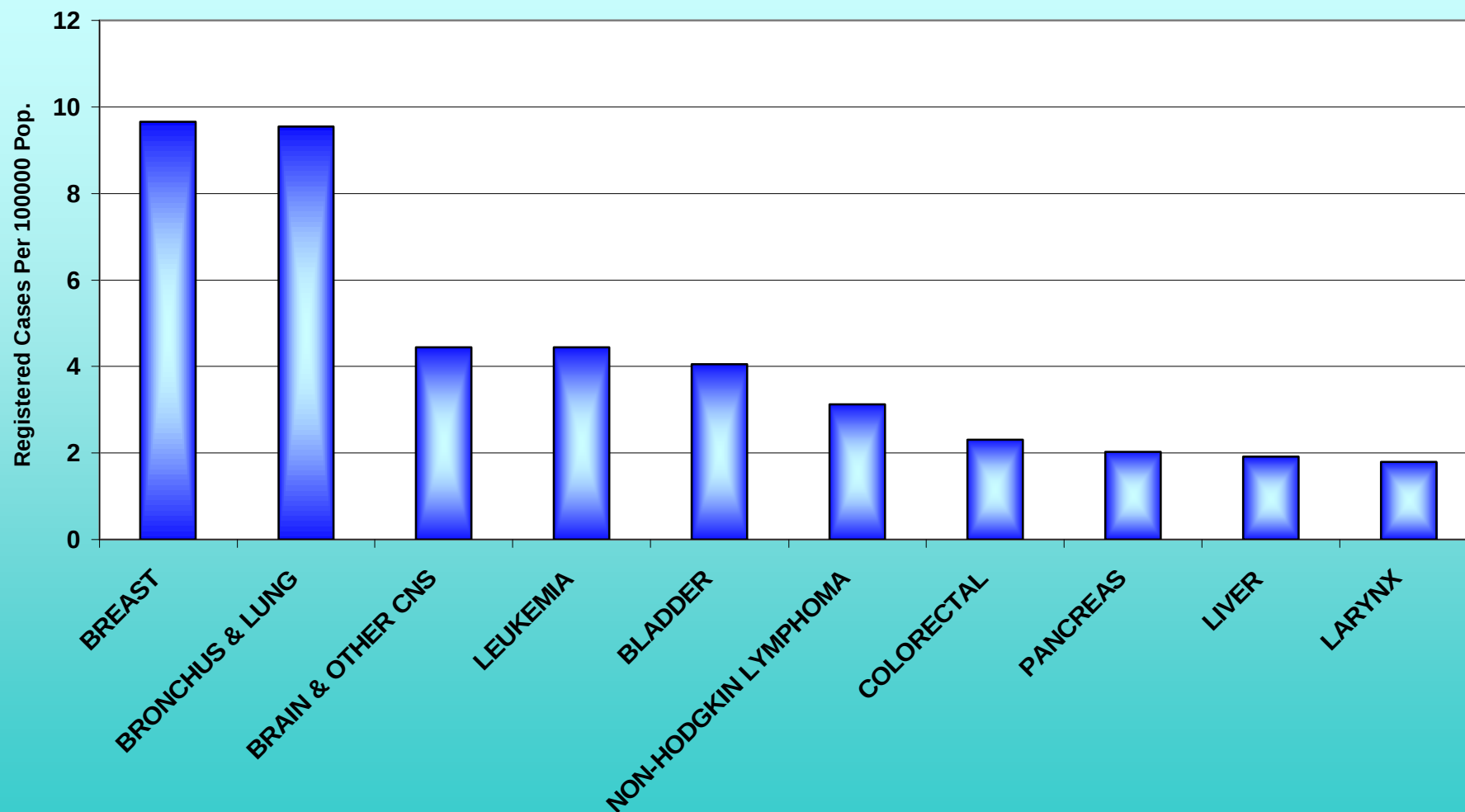
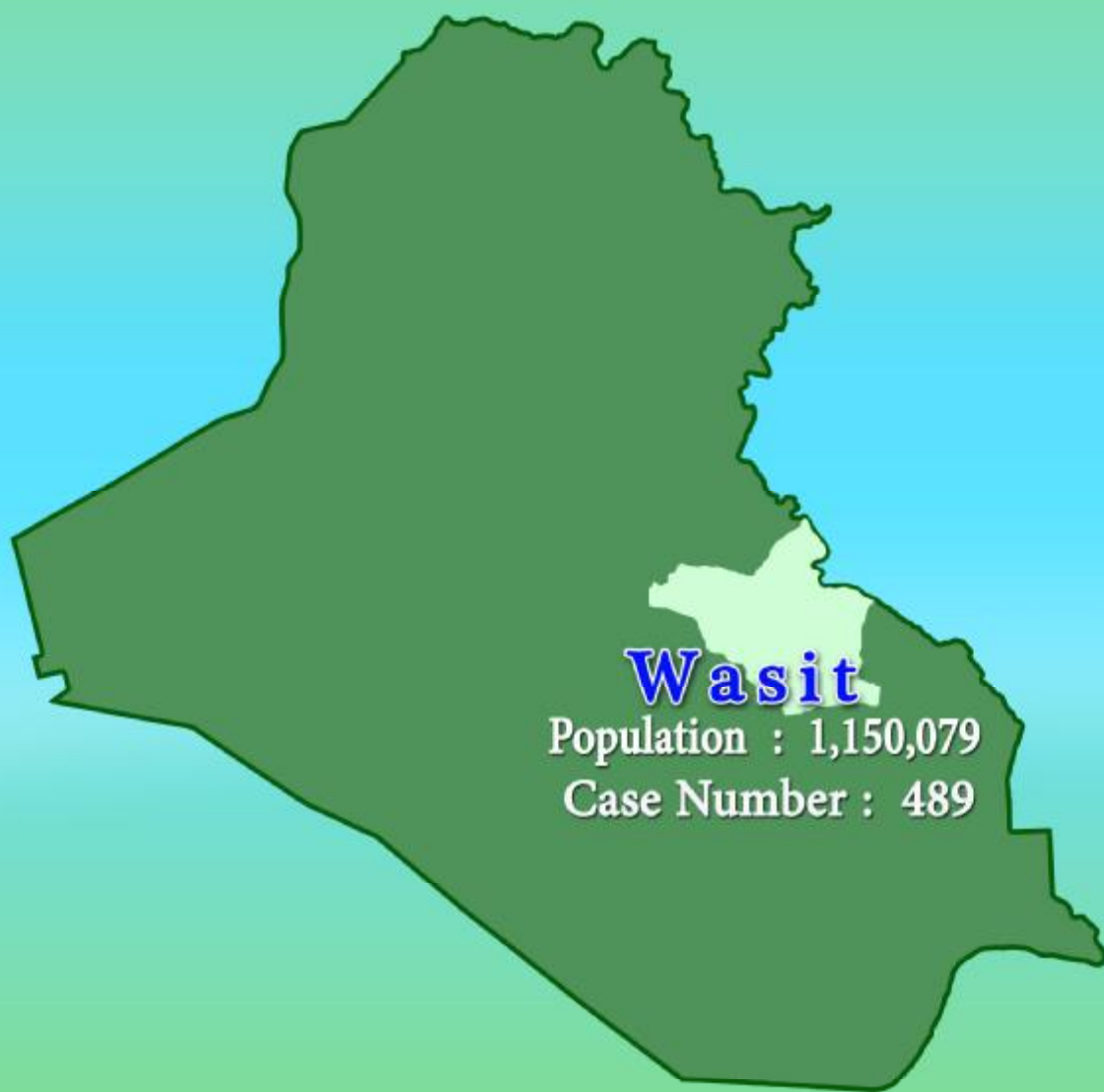


Table (28)

The Commonest Ten Cancer in Babil Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	AL HILLA		AL MAHAWHEEL		AL HASHIMIAH		AL MISSAIAB		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	94	56.29	17	10.18	19	11.38	37	22.16	167	100.00
Bronchus & Lung	88	53.33	22	13.33	33	20.00	22	13.33	165	100.00
Brain &Other CNS	44	57.14	7	9.09	5	6.49	21	27.27	77	100.00
Leukemia	37	48.05	13	16.88	12	15.58	15	19.48	77	100.00
Bladder	31	44.29	14	20.00	15	21.43	10	14.29	70	100.00
Non -Hodgkin Lymphoma	31	57.41	7	12.96	10	18.52	6	11.11	54	100.00
Colorectal	20	50.00	4	10.00	5	12.50	11	27.50	40	100.00
Pancreas	22	62.86	7	20.00	3	8.57	3	8.57	35	100.00
Liver	15	45.45	6	18.18	5	15.15	7	21.21	33	100.00
Larynx	13	41.94	1	3.23	11	35.48	6	19.35	31	100.00
Total	395	52.74	98	13.08	118	15.75	138	18.42	749	100.00



Wasit

Population : 1,150,079

Case Number : 489

Table (29)

The Commonest Ten Cancers in Wasit
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	106	21.68	9.22
2- BRONCHUS & LUNG	56	11.45	4.87
3- BLADDER	49	10.02	4.26
4- BRAIN & OTHER CNS	31	6.34	2.70
5- HODGKIN LYMPHOMA	21	4.29	1.83
6- LARYNX	19	3.89	1.65
7- SKIN	18	3.68	1.57
8- COLORECTAL	17	3.48	1.48
9- NON-HODGKIN LYMPHOMA	15	3.07	1.30
10- LEUKEMIA	13	2.66	1.13
TOTAL TEN	345	70.55	30.00
ALL SITES	489	100.00	42.52

Population of Wasit Governorate by Gender-2009 (1150079)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (26)

Incidence Rate of Top Ten Cancers
in Wasit / 2009

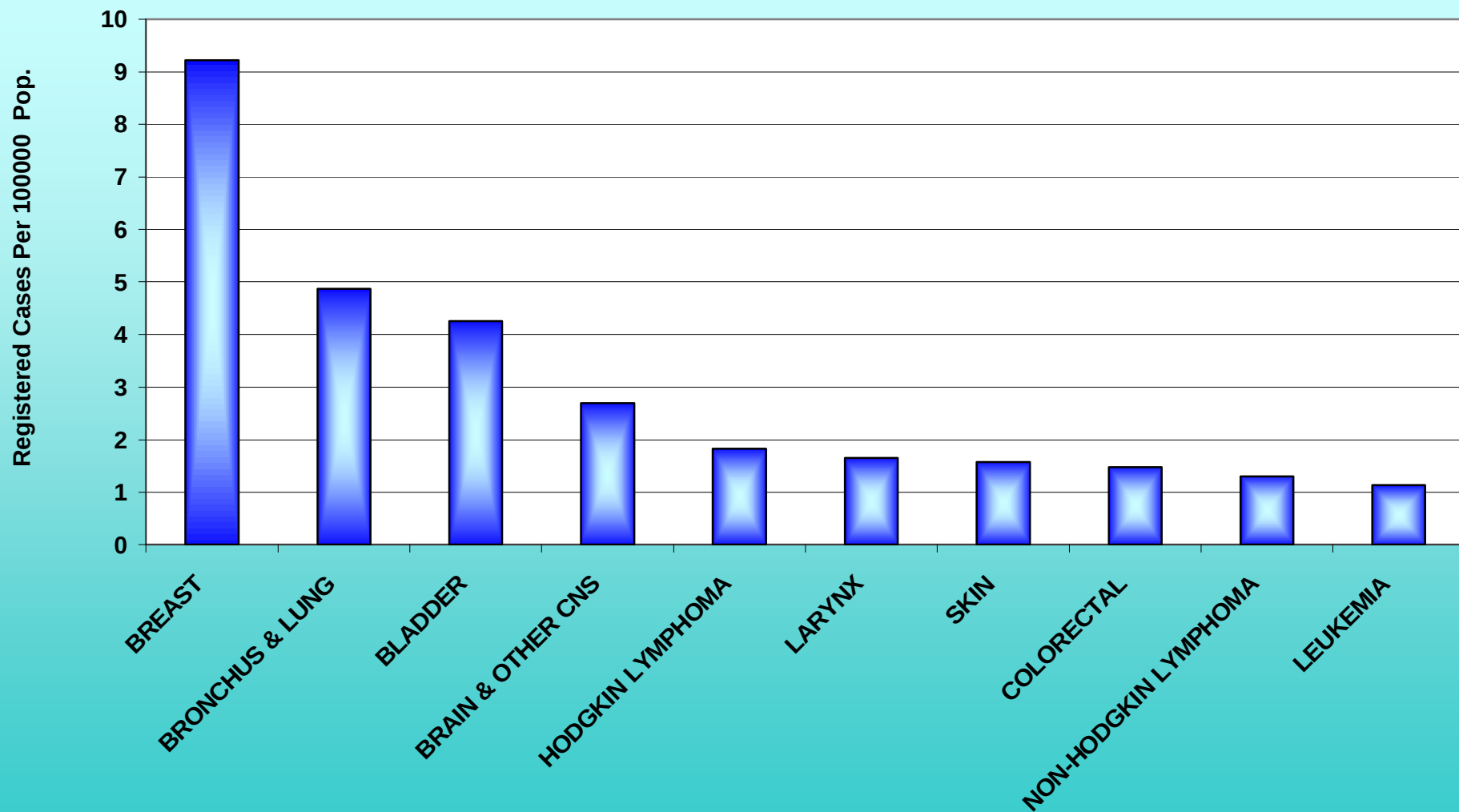


Table (30)

The Commonest Ten Cancer in Wasit Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	AL KUT		AL NUMANIAH		AL HAY		BADRA		AL SUARRAH		AL AZIZIYA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	%	%	NO	%	NO	%
Breast	67	63.21	5	4.72	5	4.72	2	1.89	17	16	10	9.43	106	100.00
Bronchus & Lung	32	57.14	3	5.36	9	16.1	0	0.00	6	10.7	6	10.71	56	100.00
Bladder	31	63.27	1	2.04	6	12.2	0	0.00	6	12.2	5	10.20	49	100.00
Brain & Other CNS	22	70.97	2	6.45	0	0	1	3.23	4	12.9	2	6.45	31	100.00
Hodgkin Lymphoma	11	52.38	3	14.3	1	4.76	1	4.76	4	19	1	4.76	21	100.00
Larynx	9	47.37	2	10.5	2	10.5	0	0.00	2	10.5	4	21.05	19	100.00
Skin	7	38.89	2	11.1	2	11.1	0	0.00	5	27.8	2	11.11	18	100.00
Colorectal	12	70.59	1	5.88	1	5.88	0	0.00	2	11.8	1	5.88	17	100.00
Non-Hodgkin Lymphoma	8	53.33	1	6.67	1	6.67	0	0.00	5	33.3	0	0.00	15	100.00
Leukemia	8	61.54	0	0	1	7.69	1	7.69	3	23.1	0	0.00	13	100.00
Total	207	60.00	20	5.8	28	8.12	5	1.45	54	15.7	31	8.99	345	100.00



Misan

Population : 922,890

Case Number : 322

Table (31)

**The Commonest Ten Cancers in *Misan*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1-BREAST	45	13.98	4.88
2-BRONCHUS&LUNG	29	9.01	3.14
3- LEUKEMIA	23	7.14	2.49
4- BLADDER	22	6.83	2.38
5- BRAIN & OTHER CNS	21	6.52	2.28
6- NON-HODGKIN LYMPHOMA	19	5.90	2.06
7-PANCREAS	13	4.04	1.41
8- COLORECTA	12	3.73	1.30
9- SKIN	12	3.73	1.30
10- KIDNEY	10	3.11	1.08
TOTAL TEN	206	63.98	22.32
ALL SITES	322	100.00	34.89

Population of *Misan* Governorate by Gender-2009 (922890)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (27)

Incidence Rate of Top Ten Cancers in Misan / 2009

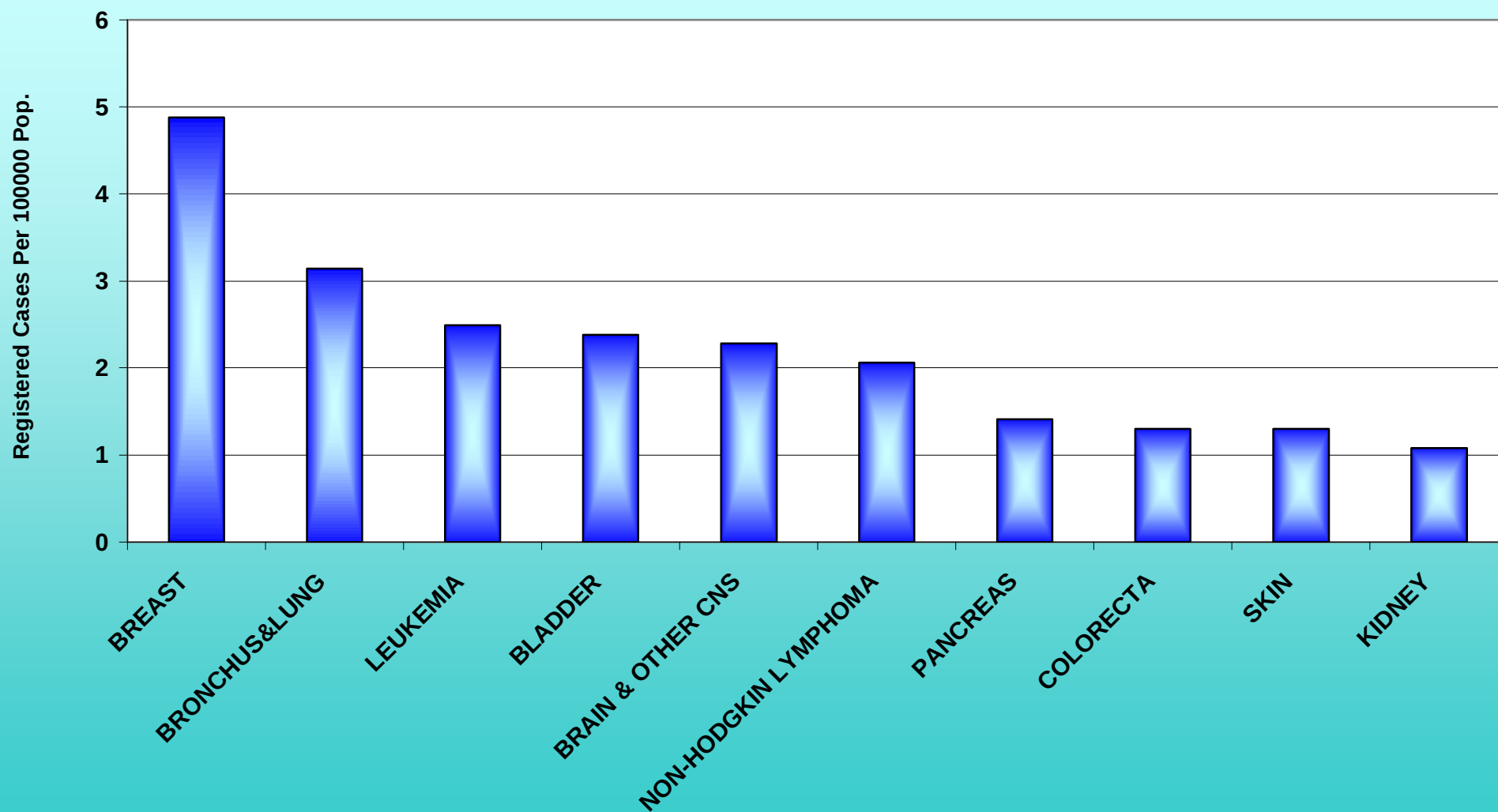


Table (32)

The Commonest Ten Cancer in Misan Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	AL AMMARHA		ALI ALGHARBI		AL MAYMOONA		QALAT SALIH		ALMAJAR AL KABEER		AL KAHLAA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	34	75.56	1	2.22	2	4.44	1	2.22	1	2.22	6	13.33	45	100.00
Bronchus & Lung	18	60.00	3	10.3	1	3.33	4	13.33	3	10.00	0	0.00	29	100.00
Leukemia	20	86.96	0	0	1	4.35	1	4.35	1	4.35	0	0.00	23	100.00
Bladder	16	72.73	3	13.6	1	4.55	2	9.09	0	0.00	0	0.00	22	100.00
Brain & Other CNS	15	71.43	2	9.52	0	0	1	4.76	2	9.52	1	4.76	21	100.00
Non-Hodgkin Lymphoma	13	68.42	0	0	2	10.5	3	15.79	0	0.00	1	5.26	19	100.00
Pancreas	9	69.23	0	0	0	0.00	1	7.69	2	15.38	1	7.69	13	100.00
Colorectal	7	58.33	0	0	2	16.7	2	16.67	0	0.00	1	8.33	12	100.00
Skin	8	66.67	0	0	1	8.33	1	8.33	1	8.33	1	8.33	12	100.00
Kidney	9	90.00	0	0	0	0.00	1	10.00	0	0.00	0	0.00	10	100.00
Total	149	72.33	9	4.37	10	4.85	17	8.25	10	4.85	11	5.34	206	100.00



Diwaniya

Population : 1,077,614

Case Number : 698

Table (33)

The Commonest Ten Cancers in *Diwaniya*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	109	15.62	10.11
2- BRONCHUS&LUNG	77	11.03	7.15
3- BLADDER	60	8.60	5.57
4- NON-HODGKIN LYMPHOMA	47	6.73	4.36
5- SKIN	40	5.73	3.71
6- LEUKEMIA	37	5.30	3.43
7- BRAIN & OTHER CNS	35	5.01	3.25
8- COLORECTAL	27	3.87	2.51
9- LARYNX	27	3.87	2.51
10- PROSTATE	15	2.15	1.39
TOTAL TEN	474	67.91	43.99
ALL SITES	698	100.00	64.77

Population of Diwaniya Governorate by Gender-2009 (1077614)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (28)

Incidence Rate of Top Ten Cancers in Diwaniya / 2009

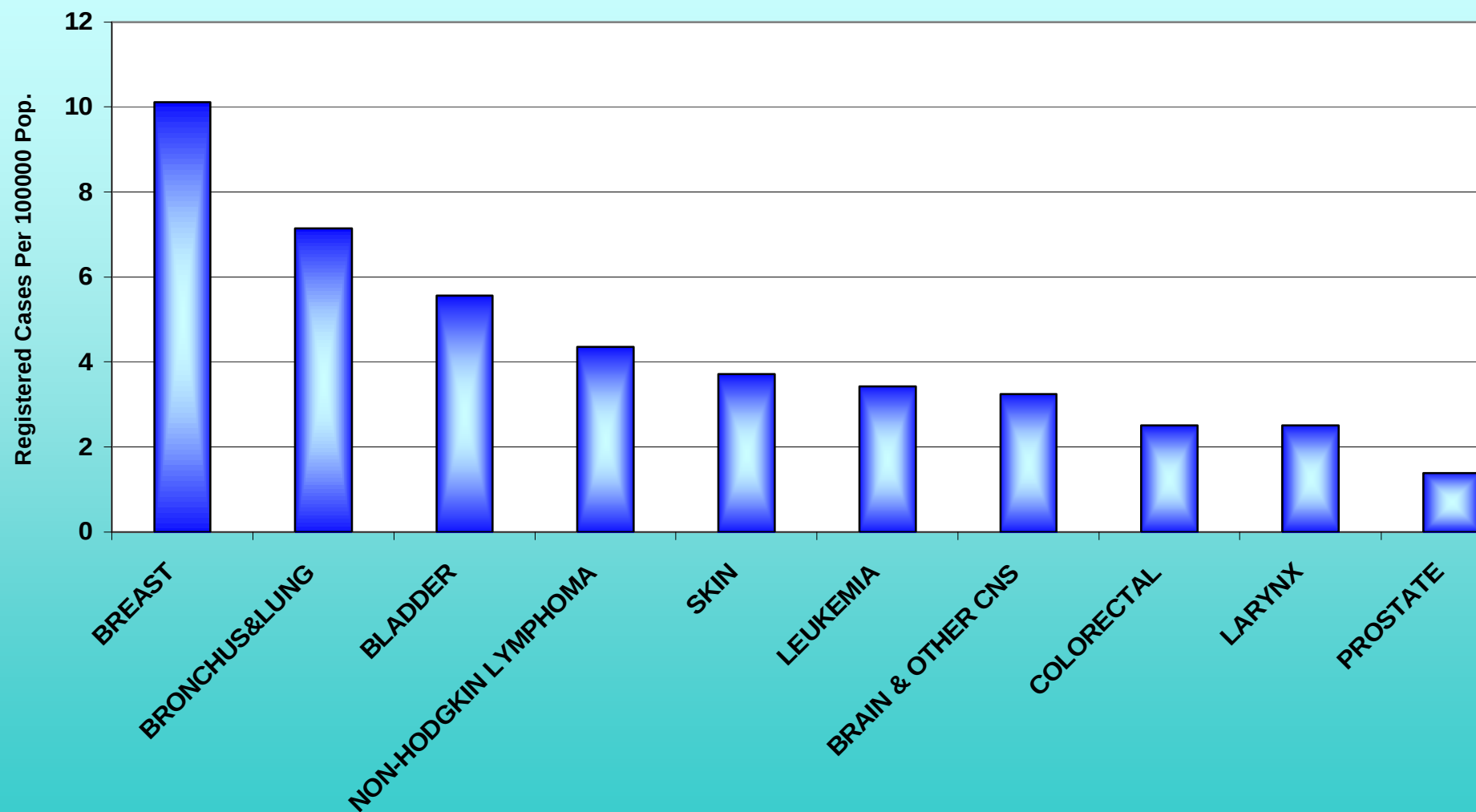


Table (34)

**The Commonest Ten Cancer in AL-Diwaniya Districts
Number of New Cases by Primary Site , Percentage of Total in 2009**

TOP TEN	AL DIWANYIA		AFFAK		AL SHAMIAH		AL HAMZA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	85	77.98	7	6.42	11	10.09	6	5.50	109	100.00
Bronchus & Lung	48	62.34	8	10.39	12	15.58	9	11.69	77	100.00
Bladder	51	85.00	0	0.00	7	11.67	2	3.33	60	100.00
Non-Hodgkin Lymphoma	31	65.96	2	4.26	7	14.89	7	14.89	47	100.00
Skin	34	85.00	1	2.50	5	12.50	0	0.00	40	100.00
Leukemia	23	62.16	5	13.51	6	16.22	3	8.11	37	100.00
Brain & Other CNS	22	62.86	4	11.43	7	20.00	2	5.71	35	100.00
Colorectal	16	59.26	3	11.11	6	22.22	2	7.41	27	100.00
Larynx	23	85.19	1	3.70	2	7.41	1	3.70	27	100.00
Prostate	11	73.33	0	0.00	2	13.33	2	13.33	15	100.00
Total	344	72.57	31	6.54	65	13.71	34	7.17	474	100.00



Table (35)

**The Commonest Ten Cancers in *Thi-Qar*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /105 POP.
1-BREAST	97	16.28	5.56
2- BLADDER	53	8.89	3.04
3- NON-HODGKIN LYMPHOMA	48	8.05	2.75
4- LEUKEMIA	47	7.89	2.69
5- BRONCHUS&LUNG	42	7.05	2.41
6- COLORECTAL	32	5.37	1.83
7- BRAIN & OTHER CNS	30	5.03	1.72
8- KIDNEY	20	3.36	1.15
9- STOMACH	18	3.02	1.03
10- OVARY	17	2.85	0.97
TOTAL TEN	404	67.79	23.16
ALL SITES	596	100.00	34.17

Population of The-Qar Governorate by Gender-2009 (1744398)
Source: Population of Iraq Projection by Numbering & listing Results 2009

Figuer (29)

Incidence Rate of Top Ten Cancers in Thi - Qar / 2009

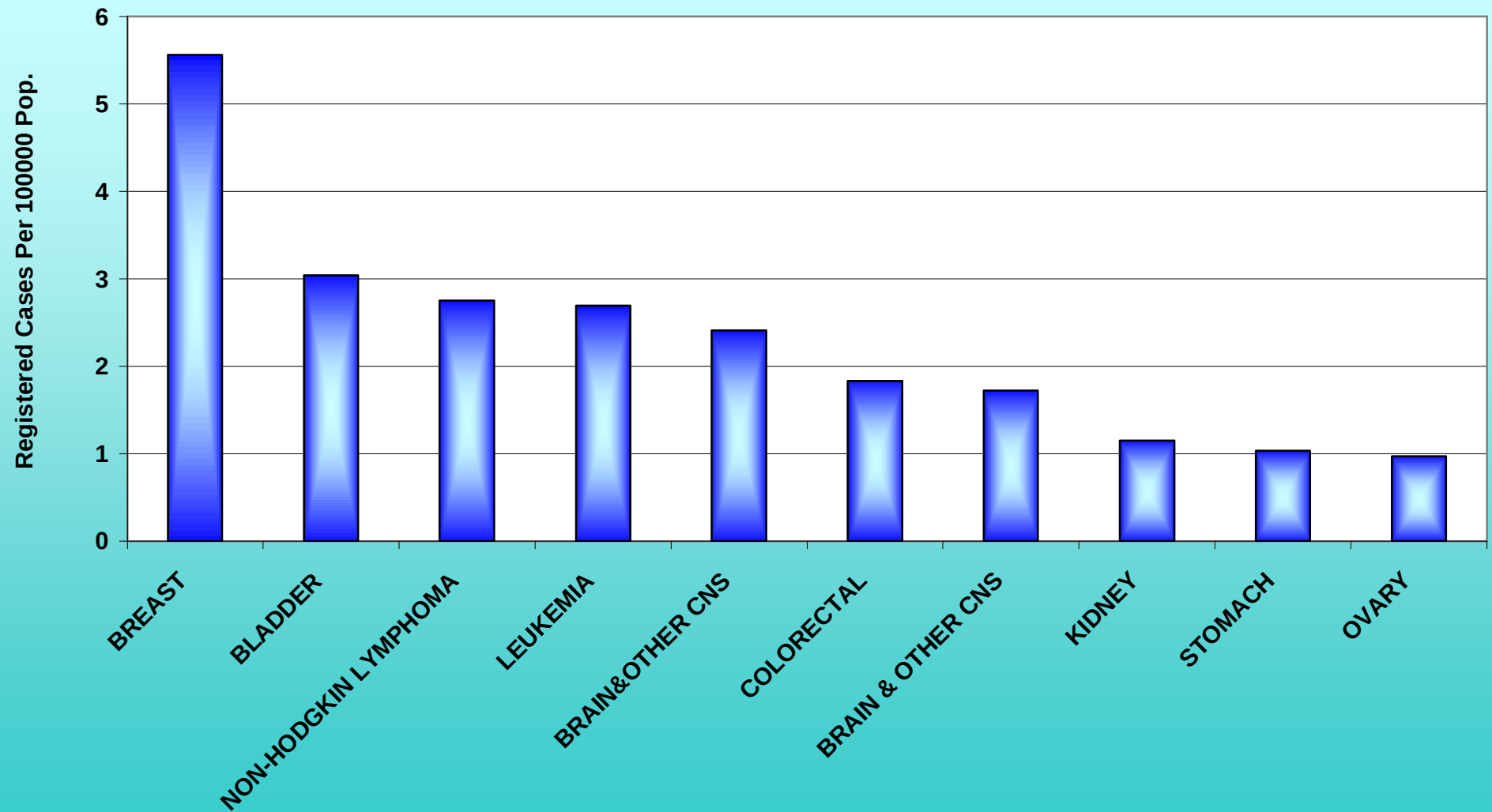


Table (36)

The Commonest Ten Cancer in Thi-Qar Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	AL NASSIRYIAH		AL RIFFAEY		SOOK AL SHIOOKH		AL JABAISH		AL SHATTRA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	48	49.48	12	12.37	17	17.53	2	2.06	18	18.56	97	100.0
Bladder	29	54.72	5	9.43	6	11.32	2	3.77	11	20.75	53	100.0
Non-Hodgkin Lymphoma	27	56.25	6	12.50	7	14.58	1	2.08	7	14.58	48	100.0
Leukemia	21	44.68	9	19.15	4	8.51	1	2.13	12	25.53	47	100.0
Bronchus & Lung	22	52.38	4	9.52	4	9.52	3	7.14	9	21.43	42	100.0
Colorectal	14	43.75	2	6.25	7	21.88	2	6.25	7	21.88	32	100.0
Brain & Other CNS	16	53.33	5	16.67	4	13.33	2	6.67	3	10.00	30	100.0
Kidney	11	55.00	1	5.00	2	10.00	0	0.00	6	30.00	20	100.0
Stomach	9	50.00	1	5.56	6	33.33	1	5.56	1	5.56	18	100.0
Ovary	6	35.29	4	23.53	2	11.76	1	5.88	4	23.53	17	100.0
Total	203	50.25	49	12.13	59	14.60	15	3.71	78	19.31	404	100.0



Al-Basrah

Population : 2,405,434

Case Number : 1205

Table (37)

The Commonest Ten Cancers in Al -Basreh
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	227	18.84	9.44
2- BRONCHUS & LUNG	104	8.63	4.32
3- LEUKEMIA	96	7.97	3.99
4- BRAIN & OTHER CNS	83	6.89	3.45
5- NON-HODGKIN LYMPHOMA	61	5.06	2.54
6- BLADDER	60	4.98	2.49
7- COLORECTAL	53	4.40	2.20
8- STOMACH	50	4.15	2.08
9- KIDNEY	30	2.49	1.25
10- SKIN	29	2.41	1.21
TOTAL TEN	793	65.81	32.97
ALL SITES	1205	100.00	50.09

Population of AL- Basrah Governorate by Gender-2009 (2405434)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (30)

Incidence Rate of Top Ten Cancers in Al - Basrah / 2009

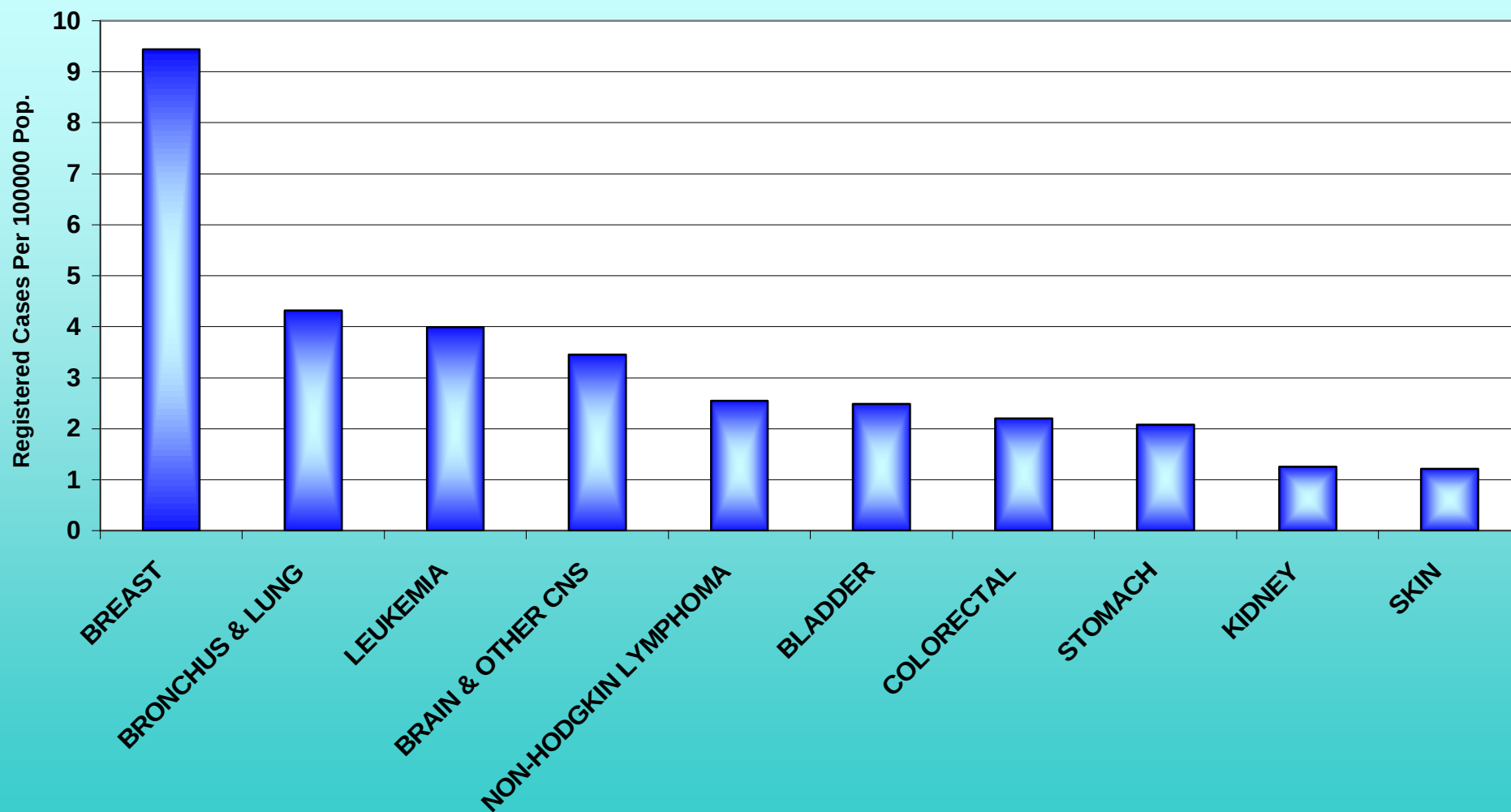


Table (38)

The Commonest Ten Cancer in Al- Basrah Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	BASRAH		ABU ALKHASSEB		AL ZUBAIR		AL QOORNA		AL- FAW		SHATT ALARAB		ALMDAINAH		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	134	59.03	20	8.81	39	17.18	18	7.93	1	0.44	10	4.41	5	2.20	227	100.00
Bronchus & Lung	64	61.54	5	4.81	21	20.19	5	4.81	0	0.00	1	0.96	8	7.69	104	100.00
Leukemia	54	56.25	6	6.25	14	14.58	9	9.38	3	3.13	4	4.17	6	6.25	96	100.00
Brain &Other CNS	45	54.22	4	4.82	20	24.10	5	6.02	0	0.00	6	7.23	3	3.61	83	100.00
Non-Hodgkin Lymphoma	35	57.38	4	6.56	8	13.11	7	11.48	2	3.28	4	6.56	1	1.64	61	100.00
Bladder	36	60.00	3	5.00	11	18.33	3	5.00	1	1.67	2	3.33	4	6.67	60	100.00
Colorectal	28	52.83	8	15.09	5	9.43	3	5.66	1	1.89	3	5.66	5	9.43	53	100.00
Stomach	34	68.00	4	8.00	4	8.00	4	8.00	0	0.00	3	6.00	1	2.00	50	100.00
Kidney	22	73.33	1	3.33	4	13.33	1	3.33	1	3.33	0	0.00	1	3.33	30	100.00
Skin	18	62.07	0	0.00	7	24.14	2	6.90	0	0.00	2	6.90	0	0.00	29	100.00
Total	470	59.27	55	6.94	133	16.77	57	7.19	9	1.13	35	4.41	34	4.29	793	100.00



Al-Muthana

Population : 683,126

Case Number : 287

Table (39)

**The Commonest Ten Cancers in *Al-Muthana*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	52	18.12	7.61
2- BLADDER	41	14.29	6.00
3- LEUKEMIA	29	10.10	4.25
4- BRONCHUS&LUNG	28	9.76	4.10
5- BRAIN & OTHER CNS	19	6.62	2.78
6- LARYNX	16	5.57	2.34
7- NON-HODGKIN LYMPHOMA	12	4.18	1.76
8- SKIN	12	4.18	1.76
9- HODGKIN LYMPHOMA	8	2.79	1.17
10- COLORECTAL	7	2.44	1.02
TOTAL TEN	224	78.05	32.79
ALL SITES	287	100.00	42.01

Population of Al-Muthana Governorate by Gender-2009 (683126)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (31)

Incidence Rate of Top Ten Cancers in Al - Muthana / 2009

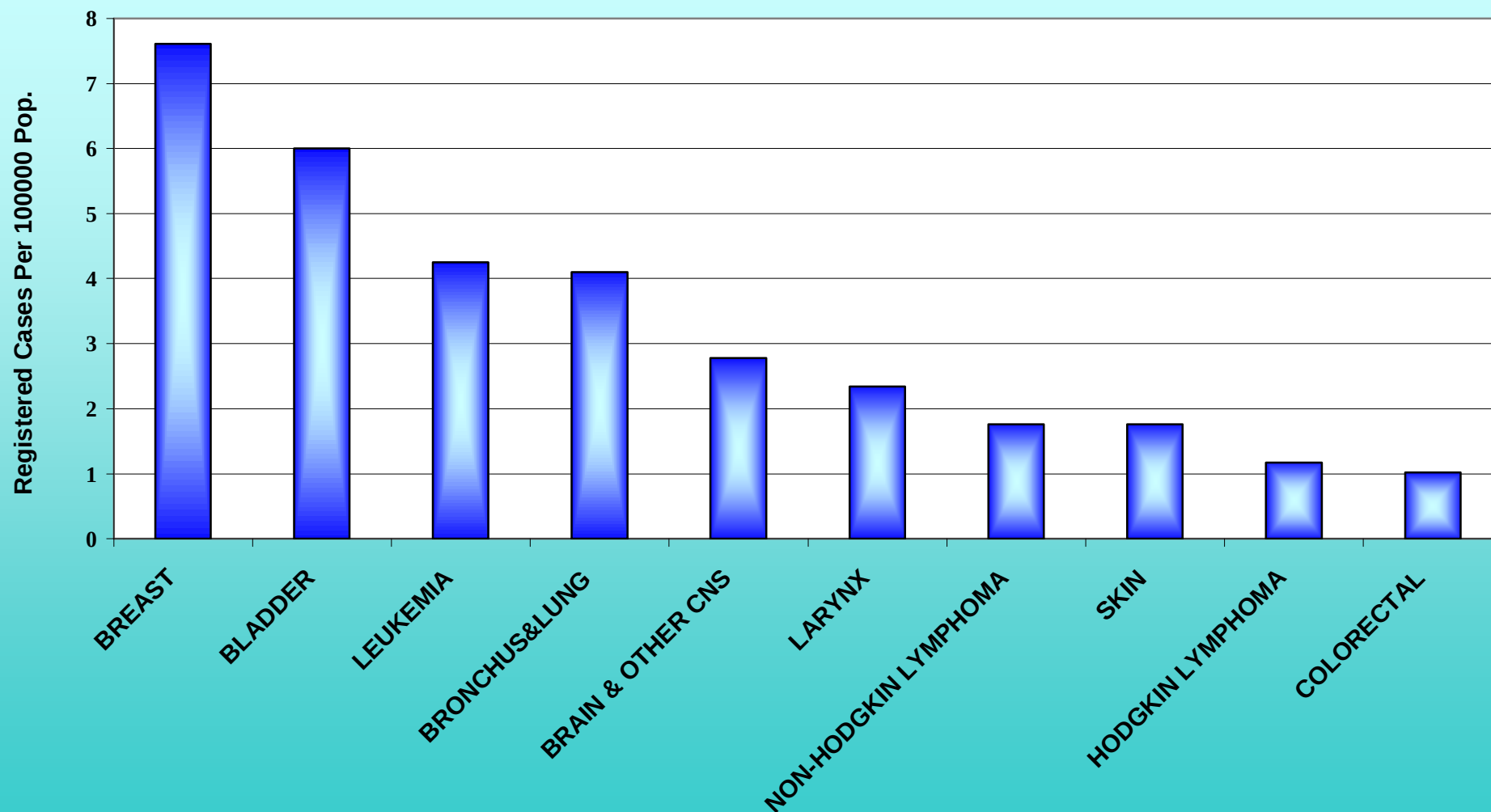


Table (40)

**The Commonest Ten Cancer in AL-Muthana Districts
Number of New Cases by Primary Site , Percentage of Total in 2009**

TOP TEN	AL SAMAWA		AL RUMAITHA		AL SALMAN		AL KHIDHIR		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	36	69.23	13	25.00	0	0	3	5.77	52	100.00
Bladder	25	60.98	9	21.95	0	0	7	17.07	41	100.00
Leukemia	14	48.28	11	37.93	0	0	4	13.79	29	100.00
Bronchus & Lung	13	46.43	14	50.00	0	0	1	3.57	28	100.00
Brain &Other CNS	9	47.37	7	36.84	0	0	3	15.79	19	100.00
Larynx	8	50.00	7	43.75	0	0	1	6.25	16	100.00
Non-Hodgkin Lymphoma	5	41.67	7	58.33	0	0	0	0.00	12	100.00
Skin	8	66.67	2	16.67	0	0	2	8.33	12	100.00
Hodgkin Lymphoma	7	87.50	1	12.50	0	0	0	0.00	8	100.00
Colorectal	5	71.43	1	14.29	0	0	1	14.29	7	100.00
Total	130	58.04	72	32.14	0	0	22	9.38	224	100.00

A map of Al-Sulaimaniyah Governorate in Iraq, shown in dark green. A small area in the north is highlighted in light green. The map is set against a background with a green-to-blue gradient.

Al-Sulaimaniyah

Population : 1,784,853

Case Number : 504

Table (41)

The Commonest Ten Cancers in Sulaimaniyah
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1-BREAST	107	21.23	5.99
2- LEUKEMIA	62	12.30	3.47
3- COLORECTAL	31	6.15	1.74
4- BRONCHUS&LUNG	30	5.95	1.68
5- NON-HODGKIN LYMPHOMA	28	5.56	1.57
6- STOMACH	27	5.36	1.51
7-SKIN	26	5.16	1.46
8- BLADDER	21	4.17	1.18
9- HODGKIN LYMPHOMA	19	3.77	1.06
10- BRAIN & OTHER CNS	17	3.37	0.95
TOTAL TEN	368	73.02	20.62
ALL SITES	504	100.00	28.24

Population of Sulaimaniyah Governorate by Gender-2009 (1784853)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (32)

Incidence Rate of Top Ten Cancers
AL -Sulaimaniyah / 2009

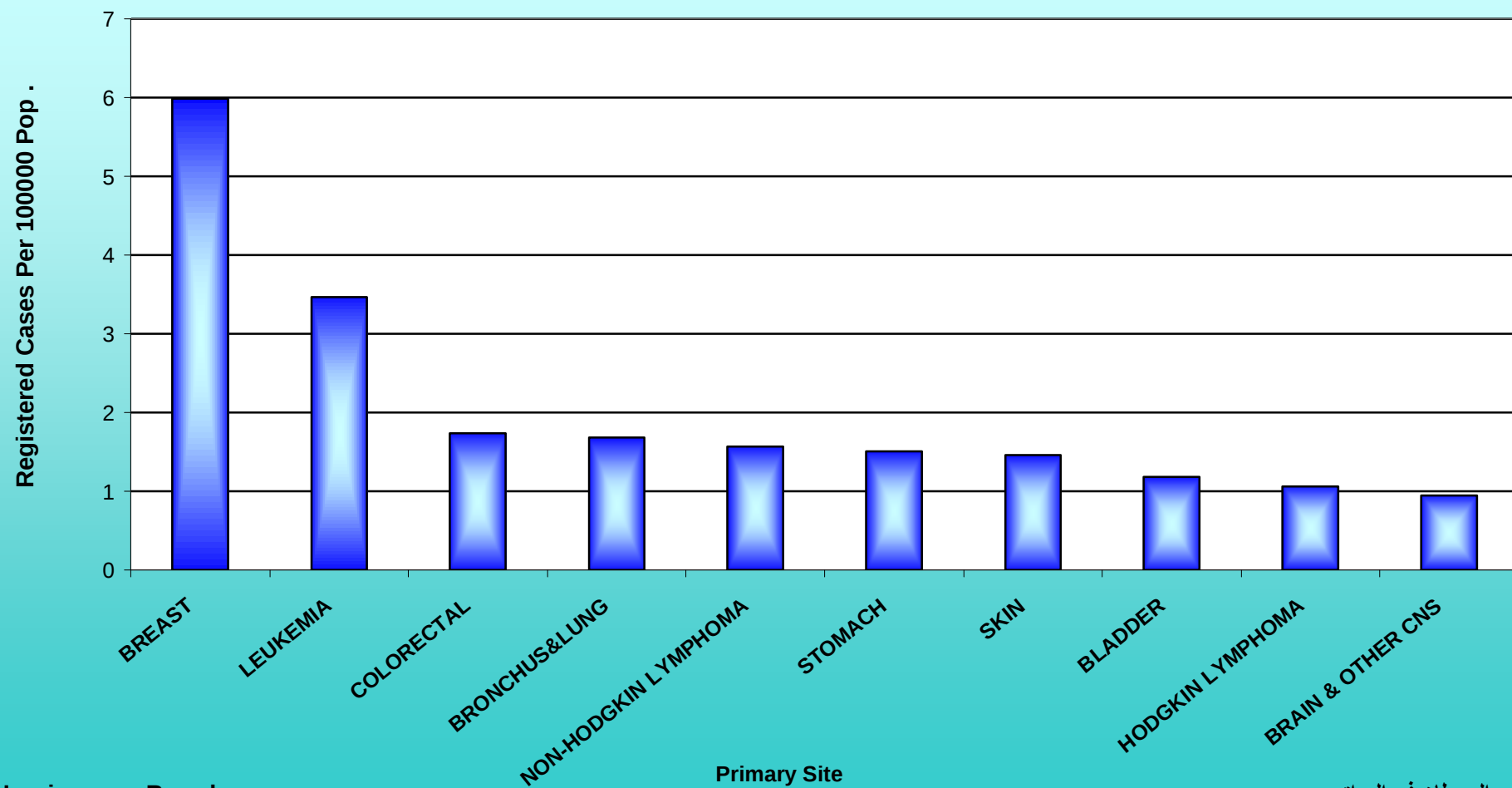


Table (42)

**The Commonest Ten Cancer in Al-Sulaimaniyah Districts
Number of New Cases by Primary Site , Percentage of Total in 2009**

TOP TEN	Al-Sulaimanyia		Halabja		Bashdar		Rania		Dokan		Derbandykhana		Chamchamal		Kalar		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	101	94.39	2	1.87	0	0.00	2	1.87	0.00	0.00	0	0.00	1	0.93	1	0.93	107	100.00
Leukemia	55	88.71	1	1.61	0	0.00	2	3.23	0.00	0.00	1	1.61	0	0.00	3	4.84	62	100.00
Colorectal	30	96.77	0	0.00	0	0.00	1	3.23	0.00	0.00	0	0.00	0	0.00	0	0.00	31	100.00
Bronchus & Lung	26	86.67	0	0.00	0	0.00	0	0.00	0.00	0.00	1	3.33	3	10.00	0	0.00	30	100.00
Non- Hodgkin Lymphoma	28	100.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	28	100.00
Stomach	27	100.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	27	100.00
Skin	23	88.46	0	0.00	0	0.00	1	3.85	0.00	0.00	1	3.85	1	3.85	0	0.00	26	100.00
Bladder	20	95.24	0	0.00	0	0.00	0	0.00	0.00	0.00	0	0.00	1	4.76	0	0.00	21	100.00
Hodgkin Lymphoma	16	84.21	1	5.26	0	0.00	1	5.26	0.00	0.00	0	0.00	0	0.00	1	5.26	19	100.00
Brain &Other CNS	14	82.35	1	5.88	0	0.00	0	0.00	0.00	0.00	0	0.00	2	11.76	0	0.00	17	100.00
Total	340	92.39	5	1.36	0	0.00	7	1.90	0.00	0.00	3	0.82	8	2.17	5	1.36	368	100.00

Table (43)

**The Commonest Ten Cancers in *Duhok*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	55	12.30	5.13
2- SKIN	55	12.30	5.13
3- LEUKEMIA	39	8.72	3.64
4- BRONCHUS&LUNG	31	6.94	2.89
5- COLORECTAL	30	6.71	2.80
6- STOMACH	29	6.49	2.70
7- NON-HODGKIN LYMPHOMA	23	5.15	2.14
8- BLADDER	22	4.92	2.05
9- BRAIN & OTHER CNS	15	3.36	1.40
10- OVARY	11	2.46	1.03
TOTAL TEN	310	69.35	28.91
ALL SITES	447	100.00	41.69

Population of Duhok Governorate by Gender-2009 (1072324)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (33)

Incidence Rate of Top Ten Cancers in Duhok / 2009

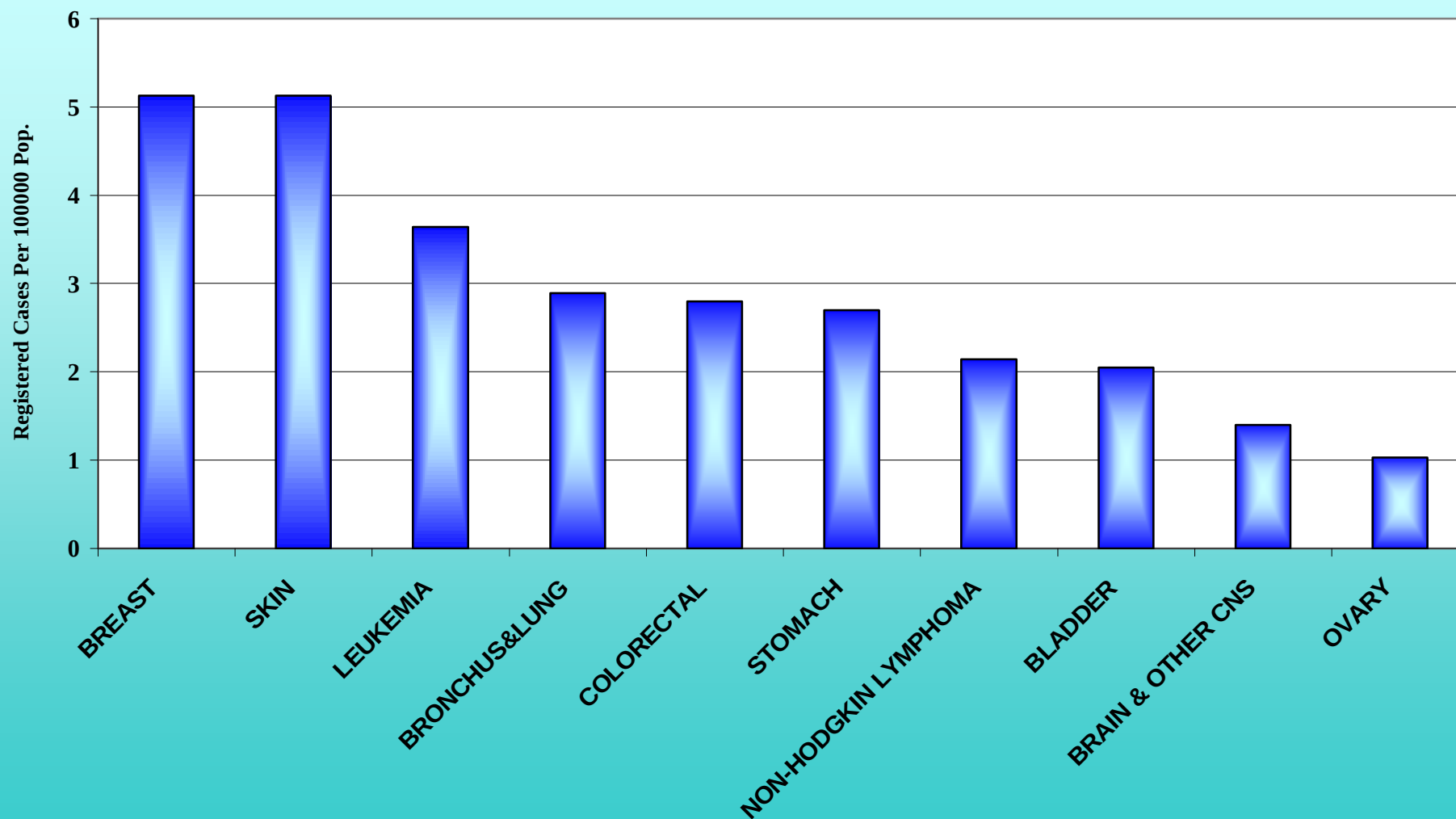
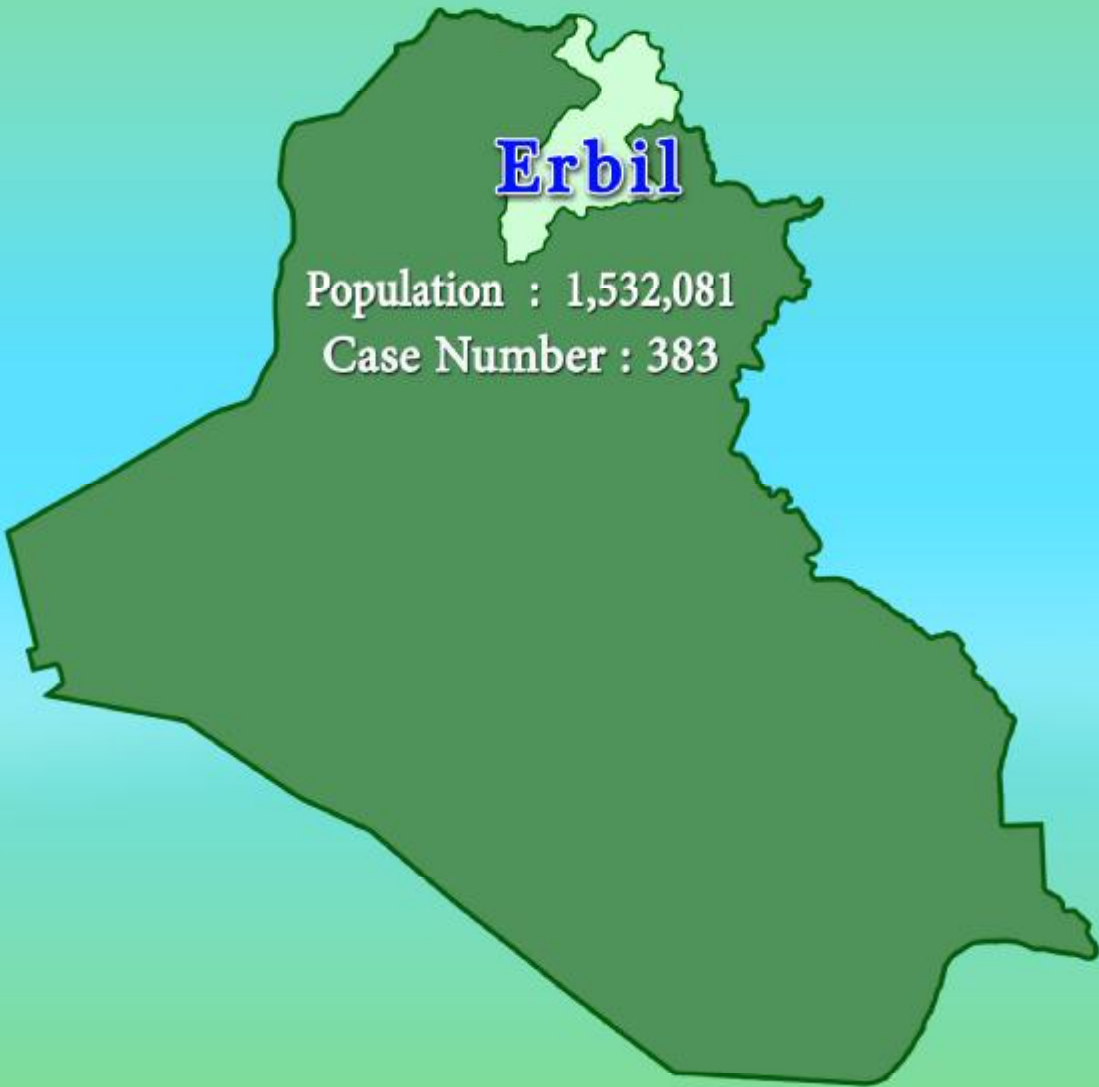


Table (44)

**The Commonest Ten Cancer in Duhok Districts
Number of New Cases by Primary Site , Percentage of Total in 2009**

TOP TEN	Duhok		Al-Amadyia		Zakho		Smeel		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	51	92.73	0	0	1	1.82	3	5.45	55	100
Skin	46	83.64	0	0	7	12.73	2	3.64	55	100
Leukemia	38	97.44	0	0	0	0.00	1	2.56	39	100
Bronchus & Lung	29	93.55	0	0	1	3.23	1	3.23	31	100
Colorectal	28	93.33	0	0	1	3.33	1	3.33	30	100
Stomach	28	96.55	0	0	1	3.45	0	0.00	29	100
Non- Hodgkin Lymphoma	21	91.3	0	0	1	4.35	1	4.35	23	100
Bladder	21	95.45	0	0	1	4.55	0	0.00	22	100
Brain &Other CNS	13	86.67	0	0	1	6.67	1	6.67	15	100
Ovary	9	81.82	0	0	1	9.09	1	9.09	11	100
Total	284	91.61	0	0	15	4.84	11	3.55	310	100

A map of Iraq is shown in a dark green color. A small region in the northern part of the country is highlighted in white. The word "Erbil" is written in blue text with a white outline over this highlighted region.

Erbil

Population : 1,532,081

Case Number : 383

Table (٤٥)

**The Commonest Ten Cancers in *Erbil*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10 ⁵ POP.
1- BREAST	123	32.11	8.03
2- BRONCHUS&LUNG	61	15.93	3.98
3- COLORECTAL	44	11.49	2.87
4- NON-HODGKIN LYMPHOMA	25	6.53	1.63
5- BLADDER	15	3.92	0.98
6- PROSTATE	14	3.66	0.91
7- SKIN	12	3.13	0.78
8- STOMACH	12	3.13	0.78
9- LIVER	7	1.83	0.46
10-BONES OF THE BODY OTHER THAN LIMBS	7	1.83	0.46
TOTAL TEN	320	83.55	20.89
ALL SITES	383	100	25.00

Population of Erbil Governorate by Gender-2009 (1532081)

Source: Population of Iraq Projection by Numbering & listing Results 2009

Figure (34)

Incidence Rate of Top Ten Cancers in Erbil / 2009

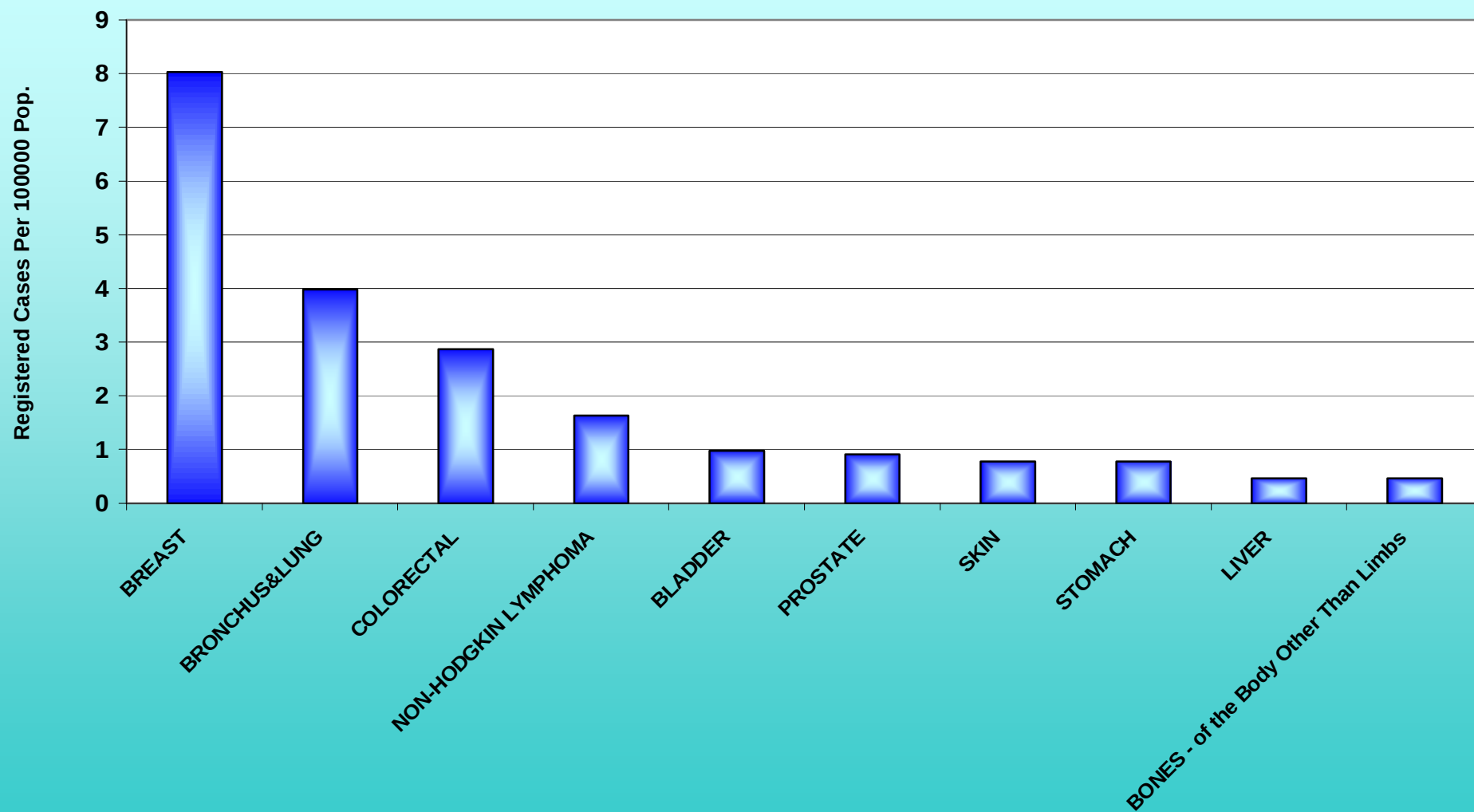


Table (46)

The Commonest Ten Cancer in Erbil Districts
Number of New Cases by Primary Site , Percentage of Total in 2009

TOP TEN	Erbil		Makhmoor		Al-Siddiq		Al-Zibbar		Shaqlawa		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	123	100.00	0	0.00	0	0.00	0	0.00	0	0.00	123	100
Bronchus & Lung	60	98.36	1	1.64	0	0.00	0	0.00	0	0.00	61	100
Colorectal	44	100.00	0	0.00	0	0.00	0	0.00	0	0.00	44	100
Non- Hodgkin Lymphoma	24	96.00	1	4.00	0	0.00	0	0.00	0	0.00	25	100
Bladder	14	93.33	1	6.67	0	0.00	0	0.00	0	0.00	15	100
Prostate	14	100.00	0	0.00	0	0.00	0	0.00	0	0.00	14	100
Skin	11	91.67	1	8.33	0	0.00	0	0.00	0	0.00	12	100
Stomach	10	83.33	2	16.67	0	0.00	0	0.00	0	0.00	12	100
Liver	7	100.00	0	0.00	0	0.00	0	0.00	0	0.00	7	100
Bones Of The Body Other Than Limbs	6	85.71	1	14.29	0	0.00	0	0.00	0	0.00	7	100
Total	313	97.81	7	2.19	0	0.00	0	0.00	0	0.00	320	100

Table (47)

Distribution of Cancer Cases According To Gender And Provinces in IRAQ / 2009

Site	ICD-O	Baghdad		Nineveh		Kirkuk		Al-Anbar		Salah-Alden		Dyala	
		M	F	M	F	M	F	M	F	M	F	M	F
Lip	C00	6	4	1	0	1	0	0	1	0	1	0	0
Tongue, base	C01	1	5	1	2	0	1	0	4	1	0	1	1
Tongue, other	C02	7	1	0	0	0	0	0	0	0	1	0	1
Gum	C03	1	0	0	0	0	1	0	0	1	0	0	0
Mouth, floor	C04	1	0	1	0	0	0	0	0	0	1	0	0
Mouth, palate	C05	1	1	0	0	0	0	1	0	0	0	0	1
Mouth, other	C06	8	5	0	0	0	0	1	2	2	1	1	0
Parotid gland	C07	5	7	2	0	2	0	2	0	2	3	0	2
Salivary glands, other	C08	5	6	1	1	0	0	0	0	1	0	1	0
Tonsil	C09	0	1	0	0	0	0	0	0	0	0	0	0
Oropharynx	C10	0	1	0	0	0	1	1	0	0	0	0	0
Nasopharynx	C11	19	7	14	5	0	1	3	5	3	1	2	0
Pyriform sinus	C12	1	0	1	0	0	0	0	0	0	0	0	0
Hypopharynx	C13	6	5	0	0	0	0	0	0	0	0	0	1
Other Lip, Oral, Pharynx	C14	4	0	1	0	0	1	0	0	1	0	1	0
Oesophagus	C15	14	3	4	2	5	2	0	0	2	0	1	2
Stomach	C16	59	46	41	21	25	15	29	31	9	3	5	3
Small intestine	C17	13	18	1	0	2	2	0	2	1	0	0	1
Colon	C18	63	56	30	26	17	9	4	1	4	5	5	2
Rectosigmoid junction	C19	2	4	0	0	1	1	0	0	1	0	0	0
Rectum	C20	43	25	11	15	2	5	1	1	2	3	8	3
Anus & anal canal	C21	2	3	18	0	0	1	1	0	0	1	0	0
Liver & bile ducts	C22	58	39	0	18	8	5	10	5	5	11	1	1
Gallbladder	C23	2	8	1	4	4	3	0	0	3	0	0	0
Biliary tract, other	C24	0	1	0	0	1	0	0	0	0	1	0	0
Pancreas	C25	48	42	22	8	10	10	3	3	4	2	1	1
Other digestive organs	C26	1	3	0	0	0	1	0	0	0	0	0	0
Nasal cavity, middle ear	C30	3	0	1	1	2	1	1	0	1	0	0	0
Accessory sinuses	C31	6	1	4	0	1	1	0	0	0	0	0	0
Larynx	C32	64	18	25	13	22	6	7	1	14	5	8	3
Trachea	C33	3	0	0	0	0	0	0	0	0	0	0	0
Bronchus & lung	C34	274	123	120	19	55	20	43	13	29	8	21	12
Thymus	C37	4	1	0	0	1	0	0	0	0	2	1	0
Heart, mediast. pleura	C38	4	1	1	0	0	0	1	0	1	1	0	0
Other respir. & thoracic	C39	0	1	0	0	0	0	0	1	0	0	0	1
Bone & cartilage, limbs	C40	18	13	7	2	2	2	0	3	6	5	2	1

Bone & cartilage, other	C41	27	22	2	12	5	3	4	3	2	2	1	1
Bon Marrow (for leukemia, see below)	C42	1	1	0	0	0	0	0	0	0	0	0	0
Skin, other	C44	97	70	21	15	21	13	10	4	29	16	14	9
Nerves, peripheral & ANS	C47	1	4	0	0	0	0	0	0	0	0	1	0
Peritoneum & Retroperit.	C48	5	5	0	1	0	3	1	1	0	5	1	0
Other connect./soft tiss	C49	28	45	22	20	3	3	2	2	5	7	8	1
Breast	C50	20	954	3	261	0	97	4	60	2	106	7	92
Vulva	C51	0	4	0	1	0	0	0	0	0	1	0	0
Vagina	C52	0	4	0	0	0	1	0	0	0	3	0	0
Cervix uteri	C53	0	40	0	16	0	2	0	4	0	5	0	1
Corpus uteri	C54	0	47	0	0	0	1	0	5	0	4	0	8
Uterus unspecified	C55	0	44	0	33	0	16	0	7	0	0	0	3
Ovary	C56	0	85	0	38	0	18	0	4	0	19	0	11
Female genital, other	C57	0	1	0	0	0	1	0	0	0	0	0	0
Placenta	C58	0	5	0	21	0	2	0	1	0	4	0	0
Penis	C60	70	0	0	0	0	0	0	0	0	0	0	0
Prostate	C61	23	0	29	0	15	0	9	0	4	0	5	0
Testis	C62	1	0	9	0	1	0	0	0	10	0	6	0
Male genital, other	C63	0	44	22	8	0	0	0	0	0	0	0	0
Kidney, not renal pelvis	C64	64	31	0	0	4	7	7	2	5	8	4	2
Renal pelvis	C65	2	0	0	0	0	0	0	0	0	0	0	0
Ureter	C66	162	61	0	0	0	0	0	0	0	0	0	0
Bladder	C67	0	0	34	9	30	4	34	8	24	9	15	3
Urinary organs, other	C68	5	5	0	0	0	0	0	0	0	0	0	0
Eye & adnexa	C69	15	40	2	2	2	0	1	0	2	1	1	0
Meninges	C70	132	121	0	1	0	1	4	5	2	2	1	6
Brain	C71	10	2	41	26	18	10	18	15	9	9	11	12
Nervous system, other	C72	34	67	1	0	0	0	3	0	0	1	0	1
Thyroid gland	C73	64	31	4	10	3	4	4	7	2	13	1	7
Adrenal gland	C74	4	4	1	0	0	0	0	0	0	0	1	0
Endocrine glands, other	C75	10	8	0	0	0	0	3	0	0	0	1	0
Unspecified sites	C76	17	6	2	3	0	0	1	1	0	3	1	0
Lymph Nodes ¹	C77	1	0	0	0	1	0	0	0	0	0	1	0
Unknown primary site	C80	44	78	8	5	2	4	17	7	3	5	14	9

Malignant Tumors Sorted By Morphology

Hodgkin Lymphoma ²		42	26	17	16	7	6	12	5	14	5	7	2
Non-Hodgkin, lymphoma ³		85	51	52	28	14	9	13	13	26	16	9	5
Plasmacytoma		0	1	0	0	3	0	0	0	0	0	0	0
Multiple myeloma		9	9	8	7	0	0	3	0	2	1	0	0
Leukaemias ⁴		81	79	62	58	16	16	12	12	13	13	9	6
Miscellaneous Myeloprolif. & Lymphoprolif. Disorders		0	0	0	0	0	0	0	0	0	0	0	0
Myelodysplastic Syndrome		0	0	0	0	0	0	0	0	0	0	0	0
Total		1736	2369	648	729	306	310	270	239	247	313	178	215

(1) Malignant Tumors included here are those other than Hodgkin's disease and NHL.

(2) All Hodgkin's cases included under this category.

(3) All NHL cases, Nodal & Extra nodal.

(4) Includes All categories of Leukemia; ALL, CLL, AML, CML, & Non – Specified Leukemia's

Site	ICD-O	Kerballa		Al-Najaf		Babil		Wasit		Misan		Al-Diwanyia	
		M	F	M	F	M	F	M	F	M	F	M	F
Lip	C00	0	0	1	1	0	0	1	0	1	0	1	1
Tongue, base	C01	0	1	0	1	0	1	1	1	1	0	0	0
Tongue, other	C02	2	0	2	1	0	1	7	1	1	0	3	4
Gum	C03	0	0	0	0	0	0	0	0	0	0	0	0
Mouth, floor	C04	1	0	1	0	1	0	1	0	0	0	0	1
Mouth, palate	C05	0	1	1	0	0	1	1	0	0	0	0	1
Mouth, other	C06	2	1	2	0	1	0	2	2	0	1	1	1
Parotid gland	C07	1	1	1	0	1	1	0	0	1	0	1	0
Salivary glands, other	C08	2	0	0	3	1	1	0	0	0	0	0	2
Tonsil	C09	1	0	0	0	1	0	0	0	0	0	0	0
Oropharynx	C10	0	0	0	0	0	1	0	2	0	0	0	1
Nasopharynx	C11	3	0	4	5	4	1	4	0	8	1	1	5
Pyriform sinus	C12	0	0	0	0	0	1	0	0	0	0	0	0
Hypopharynx	C13	3	2	0	0	0	1	0	0	1	2	2	1
Other Lip, Oral, Pharynx	C14	0	1	0	1	0	0	3	0	0	0	0	1
Oesophagus	C15	0	0	2	2	1	1	2	3	0	1	2	1
Stomach	C16	3	4	26	19	13	17	6	3	4	5	8	2
Small intestine	C17	0	1	5	2	4	1	2	0	1	0	3	0
Colon	C18	5	8	15	8	14	12	8	5	2	4	7	5
Rectosigmoid junction	C19	0	0	0	1	1	2	0	0	0	0	0	2
Rectum	C20	1	1	2	3	7	3	2	2	5	0	7	4
Anus & anal canal	C21	0	0	0	1	0	1	0	0	0	1	1	1
Liver & bile ducts	C22	1	2	20	16	19	14	0	0	3	1	5	5
Gallbladder	C23	0	1	3	3	3	8	2	1	2	1	1	0
Biliary tract, other	C24	2	0	0	1	0	0	0	1	0	0	0	1
Pancreas	C25	4	2	9	7	19	16	4	1	8	5	2	2
Other digestive organs	C26	0	0	7	9	0	1	1	0	0	0	0	1
Nasal cavity, middle ear	C30	0	0	1	0	0	1	0	0	0	1	2	0
Accessory sinuses	C31	0	2	0	0	2	0	0	0	0	0	1	0
Larynx	C32	13	6	19	2	23	8	11	8	5	2	17	10
Trachea	C33	0	0	0	0	0	0	0	0	0	0	0	0
Bronchus & lung	C34	59	28	87	35	107	58	39	17	21	8	63	14
Thymus	C37	0	0	1	0	0	0	0	0	0	0	0	0
Heart, mediast. pleura	C38	0	0	4	1	1	0	2	0	0	1	2	3
Other respir. & thoracic	C39	0	0	1	0	0	0	0	0	0	0	0	0
Bone & cartilage, limbs	C40	1	4	2	2	6	4	2	3	1	3	9	1
Bone & cartilage, other	C41	4	3	3	4	6	1	1	1	2	2	5	3
Bon Marrow (for leukemia, see below)	C42	0	0	0	1	0	0	0	0	0	0	0	0
Skin, other	C44	6	5	11	13	8	14	15	3	7	5	17	23
Nerves, peripheral & ANS	C47	0	0	1	0	0	0	1	0	3	1	0	0

Peritoneum & Retroperit.	C48	0	2	3	2	0	0	2	1	3	0	2	4
Other connect./soft tiss	C49	4	0	7	8	15	12	4	3	4	2	2	3
Breast	C50	0	97	3	186	7	160	1	105	1	44	3	106
Vulva	C51	0	0	0	1	0	1	0	1	0	0	0	0
Vagina	C52	0	0	0	4	0	1	0	1	0	0	0	0
Cervix uteri	C53	0	5	0	9	0	12	0	4	0	3	0	9
Corpus uteri	C54	0	6	0	4	0	5	0	0	0	0	0	8
Uterus unspecified	C55	0	5	0	18	0	9	0	5	0	1	0	7
Ovary	C56	0	4	0	17	0	27	0	4	0	4	0	11
Female genital, other	C57	0	0	0	0	0	0	0	0	0	0	0	0
Placenta	C58	0	0	0	5	0	0	0	3	0	1	0	1
Penis	C60	1	0	0	0	0	0	0	0	1	0	0	0
Prostate	C61	14	0	31	0	19	0	6	0	6	0	15	0
Testis	C62	3	0	6	0	11	0	4	0	4	0	4	0
Male genital, other	C63	0	0	0	0	0	0	0	0	0	0	0	0
Kidney, not renal pelvis	C64	11	2	15	13	6	7	6	3	6	4	4	11
Renal pelvis	C65	0	0	0	0	0	0	1	0	0	0	0	0
Ureter	C66	0	0	0	0	0	0	0	1	0	0	0	0
Bladder	C67	61	12	58	18	60	10	32	17	14	8	52	8
Urinary organs, other	C68	0	0	0	0	0	0	0	0	0	0	1	0
Eye & adnexa	C69	0	0	2	1	2	3	1	1	1	1	1	2
Meninges	C70	0	2	0	3	3	4	4	7	1	2	3	1
Brain	C71	22	10	30	16	40	23	6	11	9	6	17	12
Nervous system, other	C72	0	0	0	1	2	1	1	0	1	0	1	0
Thyroid gland	C73	1	7	10	20	6	11	0	4	3	5	2	9
Adrenal gland	C74	0	0	0	1	0	0	0	0	2	1	1	3
Endocrine glands, other	C75	2	1	2	2	4	1	2	1	2	0	1	0
Unspecified sites	C76	2	3	2	5	1	2	3	4	4	1	11	3
Lymph Nodes ¹	C77	0	0	1	2	0	0	0	2	0	0	1	2
Unknown primary site	C80	4	7	5	10	24	24	10	8	6	3	8	9

Malignant Tumors Sorted By Morphology													
Hodgkin Lymphoma ²		3	7	16	13	10	13	16	5	3	0	10	2
Non-Hodgkin, lymphoma ³		14	20	32	21	29	25	14	1	13	6	32	15
Plasmacytoma		0	0	3	2	0	0	0	0	0	0	0	0
Multiple myeloma		0	1	0	0	6	5	0	0	0	0	5	2
Leukaemias ⁴		16	17	39	29	51	26	9	4	17	6	17	20
Miscellaneous Myeloprolif. & Lymphoprolif. Disorders		0	3	0	0	1	1	0	0	0	1	0	0
Myelodysplastic Syndrome		0	1	0	1	3	0	·	·	0	0	0	0
Total		272	286	496	554	531	567	238	251	178	144	354	344

Peritoneum & Retroperit.	C48	3	2	1	2	0	1	0	0	0	0	0	0
Other connect./soft tiss	C49	3	3	10	7	5	1	4	2	2	3	2	1
Breast	C50	1	96	15	212	3	49	6	101	1	54	4	119
Vulva	C51	0	0	0	0	0	0	0	0	0	1	0	0
Vagina	C52	0	1	0	3	0	0	0	0	0	1	0	0
Cervix uteri	C53	0	7	0	17	0	1	0	4	0	4	0	1
Corpus uteri	C54	0	2	0	2	0	0	0	1	0	1	0	0
Uterus unspecified	C55	0	0	0	12	0	1	0	6	0	8	0	0
Ovary	C56	0	17	0	24	0	3	0	5	0	11	0	4
Female genital, other	C57	0	0	0	0	0	0	0	0	0	0	0	1
Placenta	C58	0	4	0	5	0	0	0	2	0	0	0	1
Penis	C60	0	0	0	0	0	0	0	0	0	0	0	0
Prostate	C61	6	0	27	0	6	0	13	0	11	0	14	0
Testis	C62	6	0	5	0	0	0	6	0	10	0	1	0
Male genital, other	C63	0	0	1	0	0	0	0	0	0	0	1	0
Kidney, not renal pelvis	C64	10	10	21	9	3	2	7	3	5	5	2	1
Renal pelvis	C65	0	0	0	2	0	0	0	0	0	0	0	0
Ureter	C66	0	0	0	0	0	0	0	0	0	0	0	0
Bladder	C67	40	13	44	16	31	10	18	3	20	2	12	3
Urinary organs, other	C68	0	0	0	0	0	0	0	0	0	0	0	0
Eye & adnexa	C69	3	1	7	1	0	0	0	0	2	2	0	0
Meninges	C70	1	2	4	7	2	2	0	0	0	0	0	0
Brain	C71	10	12	42	24	8	7	16	1	11	4	2	3
Nervous system, other	C72	2	1	2	1	0	0	0	0	0	0	1	0
Thyroid gland	C73	3	14	4	15	1	1	0	2	3	7	1	2
Adrenal gland	C74	0	0	5	3	0	0	0	0	1	0	0	1
Endocrine glands, other	C75	0	2	2	1	0	0	0	0	0	0	0	0
Unspecified sites	C76	7	2	8	13	3	0	1	0	1	2	1	0
Lymph Nodes ¹	C77	0	1	0	1	0	0	0	0	0	0	0	0
Unknown primary site	C80	8	10	4	5	1	1	10	14	7	1	8	5

Malignant Tumors Sorted By Morphology

Hodgkin Lymphoma ²		9	4	21	8	6	2	12	7		3	1	4
Non-Hodgkin, lymphoma ³		32	16	41	20	9	3	18	10	13	10	14	11
Plasmacytoma		1	0	8	5	2	1	2	0	0	0		
Multiple myeloma		1	0	0	0	0	0	4	4	0	0	2	1
Leukaemias ⁴		27	20	58	38	20	9	35	27	20	19	4	1
Miscellaneous Myeloprolif. & Lymphoprolif. Disorders		0	2	3	1	0	0	3	3	0	0	·	·
Myelodysplastic Syndrome		0	0	0	3	0	0	0	0	0	0	·	·
Total		275	321	596	609	152	135	262	242	245	202	179	204

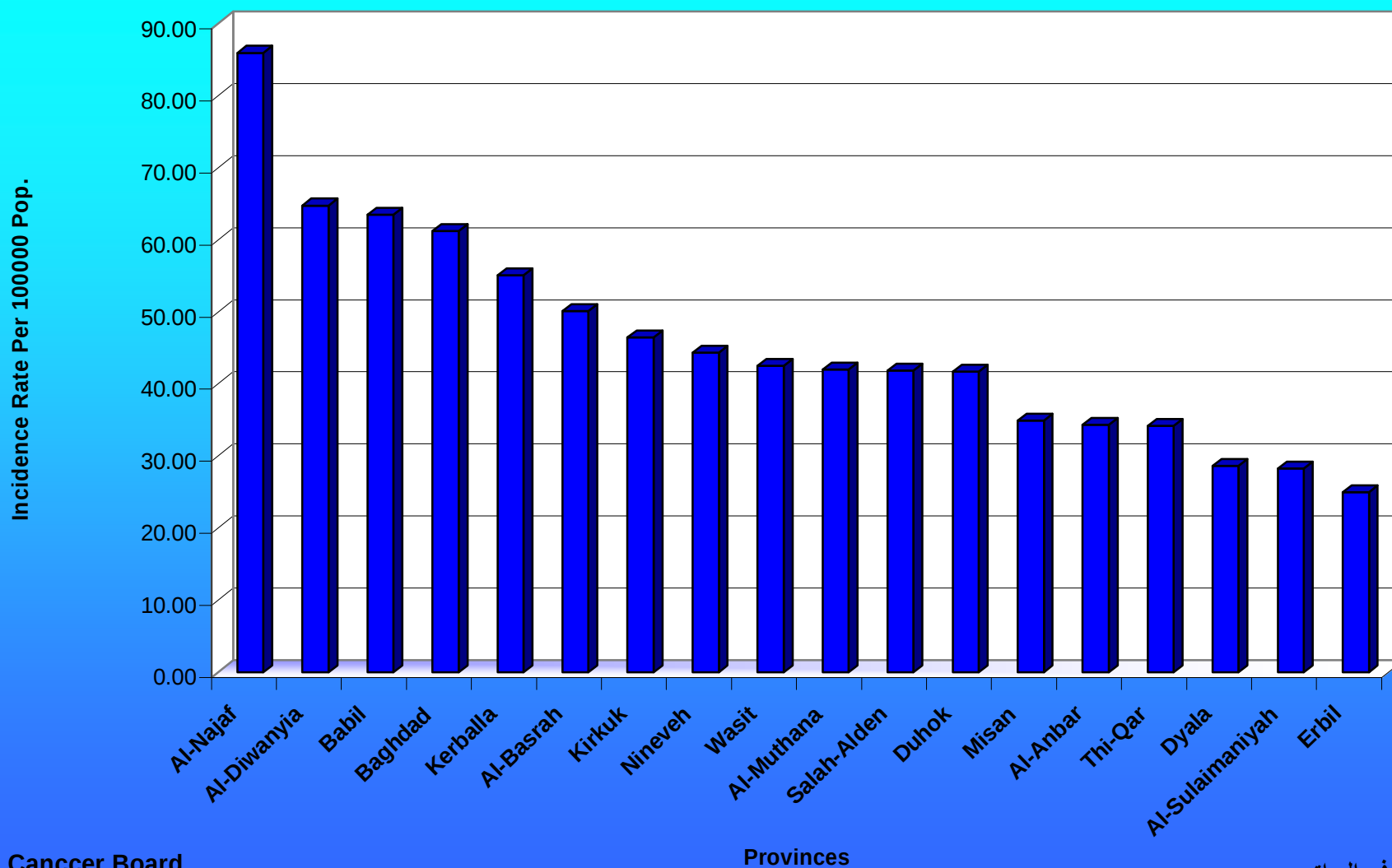
Table (48)

**The Number of Cases, Percentage & Incidence Rate of
All Cancers in Provinces of Iraq in 2009**

PROVINCE	NO.OF CASES	% OF TOTAL	INCIDENCE RATE
Baghdad	4105	26.92	61.25
Nineveh	1377	9.03	44.32
Kirkuk	616	4.04	46.46
Al-Anbar	509	3.34	34.31
Salah-Alden	560	3.67	41.86
Dyala	393	2.58	28.66
Kerballa	558	3.66	55.07
Al-Najaf	1050	6.88	85.98
Babil	1098	7.20	63.48
Wasit	489	3.21	42.52
Misan	322	2.11	34.89
Al-Diwanyia	698	4.58	64.77
Thi-Qar	596	3.91	34.17
Al-Basrah	1205	7.90	50.09
Al-Muthana	287	1.88	42.01
Al-Sulaimaniyah	504	3.30	28.24
Duhok	447	2.93	41.69
Erbil	383	2.51	25.00
Unknown Address	54	0.35	----
TOTAL	15251	100.00	48.16

Figure (35)

The Incidence Rate of Cancers Cases in Iraqi Provinves / 2009



**Basic Tabulation of
Cancer Cases by
Primary Site, Age,
And Sex**

Table (49)

Cases Registered by Site and Age Group in MALES (2009)

SITE	ICD0	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70+	UNK	ALL	%
LIP	C00							1	1	2	1	2	1	3	1	5		17	0.24
TONGUE - BASE	C01							1			1	1		1	1	1		6	0.08
TONGUE - OTHER	C02		1			1			4	1	3		4	3	2	13		32	0.44
GUM	C03													1		1		2	0.03
MOUTH - FLOOR	C04									1		1		1	1	2		6	0.08
MOUTH - PALATE	C05								1		2		1	1				5	0.07
MOUTH - OTHER	C06								1		2	1	5	5	3	4		21	0.29
PAROTID GLAND	C07			3		1		1		4	3	2	1	3		4		22	0.31
SALIVARY GLAND	C08			1			1	1		4	2				1	2		12	0.17
TONSILS	C09											1	1	1	1			4	0.06
OROPHARYNX	C10								1					1				2	0.03
NASOPHARYNX	C11			3	7	4	1	2	6	10	10	8	7	8	6	3		75	1.04
PYRIFORM SINUS	C12						1	1								1		3	0.04
HYPOPHARYNX	C13						2	1			2	1	2	3		2		13	0.18
PHARYNX	C14					1		1				3	2	3		2		12	0.17
ESOPHAGUS	C15						1		2	6	1	3	8	11	7	15		54	0.75
STOMACH	C16	1			3	2	4	11	15	23	16	29	44	41	44	74		307	4.26
SMALL INTESTIN	C17				1		4		2	2	3	4	7	2	6	5		36	0.50
COLON	C18			1	1	8	6	13	19	18	22	20	32	36	41	40		257	3.57
RECO SIGMOID JUNCTION	C19												2	2		1		5	0.07
RECTUM	C20					6	5	8	10	16	7	7	22	15	11	13		120	1.67
ANUS	C21	1									1	1	1		1			5	0.07
LIVER	C22	3			1	2	1	4	8	8	8	17	21	31	33	52		189	2.62
GALL BLADDER	C23								2	2	4	4	2		4	7		25	0.35
BILE TRACT	C24									1		2	1	2	2	4		12	0.17
PANCREAS	C25			1		1	2	5	5	10	10	18	23	25	20	37	1	158	2.19
OTHER DIGESTIVE ORGAN	C26	1					1	1		1	2	1	1	1	1	2		12	0.17
EAR/NOSE	C30	1							1		1	3	3		3	1		13	0.18
ACCESSORY SINUS	C31						1		3			7	1	3	1	2		18	0.25
GLOTTIS / LARYNX	C32						2	5	3	8	10	45	40	58	49	59		279	3.87
TRACHEA	C33					1				1			1					3	0.04
BRONCHUS & LUNG	C34	1	2		2	4	5	5	14	34	41	91	163	232	209	346	2	1151	15.98
THYMUS	C37			1			2	2		1	1	1		2				10	0.14
HEART & MEDIASTINUM	C38			1	1		1	1		1	1	2	3	1	3	6		21	0.29
OTHER RESPIRATORY TRACT	C39												1		1			2	0.03
BONES - LIMBS	C40	4	3	10	12	10	6	2	1	2	5	5	2	2	1	1		66	0.92
BONES - OTHER	C41	1	10	6	15	7	1	3	6	11	3	4	9	8	4	11		99	1.37
BONE MARROW	C42											1						1	0.01
SKIN	C44	1	3	3	5	1	4	14	14	17	15	38	35	33	54	114	1	352	4.89
NERVES	C47	4	1			2		1	1					1				10	0.14
PERITONEUM	C48	1			1	1		2	1	3		4		3	2	4		22	0.31
SOFT TISSUES	C49	3	4	7	5	9	11	6	6	11	9	17	12	14	5	12		131	1.82
BREAST	C50				1	1		4	4	13	9	8	10	8	12	11		81	1.12
PENIS	C60															2		2	0.03
PROSTATE	C61				1	1	1	1	2	3	4	12	32	43	51	149		300	4.17
TESTIS	C62	4		1	2	20	15	16	13	14	7	4	1	5	3	5		110	1.53
MALE GEN -OTHER	C63						1							1	1			3	0.04
KIDNEY	C64	25	14	3		4	2	5	9	10	19	23	22	18	20	32		206	2.86

SITE	ICD0	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70+	UNK	ALL	%
RENAL PELVIS	C65											1	1			1		3	0.04
URETER	C66																	0	0.00
BLADDER	C67	3		1	3	2	3	11	12	33	26	61	98	146	115	227	2	743	10.32
OTHER URINARY ORGANS	C68															1		1	0.01
EYE	C69	16	7	1	1			1			1			1	1	3		32	0.44
MENINGES	C70			1	3	4	1	4	5	5	5	7	1	1	2			39	0.54
BRAIN	C71	27	39	31	19	16	23	25	33	38	32	40	41	30	18	30		442	6.14
NERVOUS SYSTEM	C72	3	2		6	2	3			1	1	3	1	2				24	0.33
THYROID	C73		1	2	1	2	3	3	2	8	7	11	11	12	11	8		82	1.14
ADRENAL GLAND	C74	5	1		1			1		2	1	1			1	2		15	0.21
ENDOCRINE - OTHER	C75	3	1	4	2	2	3	4	1		2	2	2		2	1		29	0.40
NOS (Not Other Wise Specified)	C76	12	2	3	1	1	1	3	2	2	8	1	8	5	3	8		60	0.83
LYMPH NODES	C77								1				1		2	1		5	0.07
UNKNOWN	C80	4	1		2	5	2	8	4	8	10	16	15	33	23	51	2	184	2.56
HODGKIN LYMPHOMA		5	19	12	25	27	23	25	17	19	10	4	3	10	7	6	1	213	2.96
NON-HODGKIN LYMPHOMA		35	31	13	32	27	25	28	32	30	29	34	26	30	36	49	1	458	6.36
PLASMACYTOMA												1	1	1	2	1		6	0.08
MULTIPLE MYELOMA			1	1				1	2	1	2	15	6	8	8	10		55	0.76
LEUKEMIA		64	67	36	40	28	25	21	22	23	19	23	36	34	20	46	2	506	7.03
M. M. & L. D.*			1				1	1	1		1					2		7	0.10
MYELOYDYSPIASTIC SYNDROME					1		1						1	1		1		5	0.07
TOTAL		228	211	146	195	203	195	254	289	408	379	611	775	946	856	1493	12	7201	100.00

* Miscellaneous Myeloprolif. & Lymphoprolif. Disorders

Table (50)

Cases Registered by Site and Age Group in FE MALES (2009)

SITE	ICD0	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70+	UNK	ALL	%
LIP	C00							1	1	1				1	1	5		10	0.12
TONGUE - BASE	C01						2	1	1	2	1	1		1	3	6		18	0.22
TONGUE - OTHER	C02							1	1	2	3		1	4	1	1		14	0.17
GUM	C03													1				1	0.01
MOUTH - FLOOR	C04													1	1			2	0.02
MOUTH - PALATE	C05						1				2				1	3		7	0.09
MOUTH - OTHER	C06				1			1				4		1	6	1		14	0.17
PAROTID GLAND	C07					1		1	1		4	1	3	1	1	4		17	0.21
SALIVARY GLAND	C08					1	1	2	1	1	1	1	2		2	4		16	0.20
TONSILS	C09								1			1						2	0.02
OROPHARYNX	C10								1			2	1		1	2		7	0.09
NASOPHARYNX	C11	1			2			2	8	6	3	4	4		3	5		38	0.47
PYRIFORM SINUS	C12								1									1	0.01
HYPOPHARYNX	C13							2	1	1	1	2	1	2		4		14	0.17
PHARYNX	C14							1				1		1	1	3		7	0.09
ESOPHAGUS	C15								2	1	2	7	4	2	4	4		26	0.32
STOMACH	C16		1		1	5	12	7	15	16	23	25	22	30	25	48	1	231	2.87
SMALL INTESTIN	C17		1				1		3	3	8	2	4	2	1	7		32	0.40
COLON	C18		1		2	9	10	7	6	13	16	29	26	30	23	33		205	2.55
RECO SIGMOID JUNCTION	C19									1	2		3	1	2	3		12	0.15
RECTUM	C20	2				1	1	4	7	8	5	12	14	12	7	11		84	1.04
ANUS	C21						1		2	1	3		2	1	2	1		13	0.16
LIVER	C22	3				1	1	3	4	5	8	14	19	21	15	39	1	134	1.66
GALL BLADDER	C23							1		1	2	4	8	5	8	2		31	0.39
BILE TRACT	C24								1	2	1	2		1		2		9	0.11
PANCREAS	C25					3	2	2	1	7	10	9	19	19	14	39		125	1.55
OTHER DIGESTIVE ORGAN	C26								1		2	3	4	2		6		18	0.22
EAR / NOSE	C30											1		2		1		4	0.05
ACCESSORY SINUS	C31			1						2	1			1	1			6	0.07
GLOTTIS / LARYNX	C32					1		4	5	4	4	10	9	25	14	22		98	1.22
TRACHEA	C33																	0	0.00
BRONCHUS & LUNG	C34		1	1	1	4	2	5	12	15	23	40	64	78	58	114	1	419	5.20
THYMUS	C37						3			1		1	1					6	0.07
HEART & MEDIASTINUM	C38	2	1		1			1		3	1	2	1	1	1	4		18	0.22
OTHER RESPIRATORY TRACT	C39							1						1		1		3	0.04
BONES - LIMBS	C40		7	10	8	3	6	3	2	2	2	3	3	1	1	1		52	0.65
BONES - OTHER	C41		1	10	7	6	3	5	7	1	3	3	4	15	3	4		72	0.89
BONE MARROW	C42	1													1			2	0.02
SKIN	C44		1	3	1	7	7	10	11	8	22	42	23	32	27	62	1	257	3.19
NERVES	C47	1			1							2				2	1	7	0.09
PERITONEUM	C48	1		1	1		5	4	1		3	3	4	2	3	1		29	0.36
SOFT TISSUES	C49	6	4	5	7	7	8	7	12	7	11	15	10	12	6	7		124	1.54
BREAST	C50				3	17	54	154	295	496	489	440	335	264	158	197	4	2906	36.10
VULVA	C51									1	4	2	1	1		1		10	0.12
VAGINA	C52	1	1						3	1	6	3	1	1	1	2		20	0.25
CERVIX	C53					1		3	16	25	31	12	22	20	6	10		146	1.81
CORPUS UTERI	C54					2	1	3	4	7	13	18	13	17	6	10		94	1.17
UTERUS UNSPECIFIED	C55				1	4	6	5	6	21	31	26	19	24	13	23		179	2.22
OVARY	C56	1	4	9	9	12	17	14	19	42	37	37	34	30	16	25	1	307	3.81
FEMALE GENITAL	C57			1		1										1		3	0.04
PLACENTA	C58				6	10	15	7	6	8	2			1		1		56	0.70
KIDNEY	C64	24	8	3		1	2	1	5	7	20	6	7	9	13	18	1	125	1.55

SITE	ICD0	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70+	UNK	ALL	%	
RENAL PELVIS	C65						1									1		2	0.02	
URETER	C66										1							1	0.01	
BLADDER	C67	1				1	5	2	3	5	14	23	23	44	31	62		214	2.66	
OTHER URINARY ORGANS	C68																	0	0.00	
EYE & ADNEX	C69	14	1	1						1		1	1			1		20	0.25	
MENINGES	C70		1	2	4	4	8	6	7	15	11	8	8	2	4	5		85	1.06	
BRAIN	C71	22	19	23	14	16	20	21	28	24	16	16	30	31	14	28		322	4.00	
NERVOUS SYSTEM OTHER	C72				1		1	1	1		2		1			1		8	0.10	
THYROID GLAND	C73		1	1	6	15	28	17	27	22	25	20	12	6	11	14	1	206	2.56	
ADRENAL GLAND	C74	5	1					1	1	3			2					13	0.16	
ENDOCRINE GLANDS, OTHER	C75		1	1	1	1	4	3	2	2	1							16	0.20	
NOS (Not Other Wise Specified)	C76	9		1	1	1	1	7	3	1	3	6	7	5	2	6		53	0.66	
LYMPH NODES	C77	1					2				1	1	2	1	1	2		11	0.14	
UNKNOWN PRIMARY SITE	C80	1	3	1	1	3	4	7	12	10	19	37	30	28	13	36		205	2.55	
HODGKIN LYMPHOMA			4	7	11	23	19	19	9	5	3	8	6	3	3	3	4	1	128	1.59
NON-HODGKIN LYMPHOMA			15	12	10	7	9	20	17	16	21	20	25	12	30	27	37	1	279	3.47
PLASMACYTOMA					1														1	0.01
MULTPLE MYELOMA							1			3	6	4	9	10	1	5		39	0.48	
LEUKEMIA			72	40	30	32	13	15	14	23	18	11	22	12	31	26	41	2	402	4.99
M. M. & L. D.*							1				2	2	3	1	1	2		12	0.15	
MYELODYSPIASTIC SYNDROME													1			1		2	0.02	
Total			187	117	126	142	179	291	367	589	850	942	962	844	868	584	986	16	8050	100.00

* Miscellaneous Myeloprolif. & Lymphoprolif. Disorders

**Distribution by Age, Sex
&
Morphology of Top Ten Cancers**

Table (51)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: BREAST

TOTAL	MALE	FEMALE
2987	81	2906

	0-4	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+	unknown	T
MALE				1	1		4	4	13	9	8	10	8	12	11		81
FEMALE				3	17	54	154	295	496	489	440	335	264	158	197	4	2906
TOTAL				4	18	54	158	299	509	498	448	345	272	170	208	4	2987

Most frequent histology

Morphology	CASES	%
Infiltrating duct carcinoma	1917	64.18
Intraductal papil. adenocarcinoma	106	3.55
Adenocarcinoma	77	2.58
Carcinoma, NOS.	77	2.58
Lobular carcinoma	61	2.04
Infiltrating duct and lobular carcinoma	22	0.74
Infiltrating ductular carcinoma	17	0.57
Medullary carcinoma	17	0.57
Squamous cell carcinoma	10	0.33
Mucinous adenocarcinoma	8	0.27
phyllodes tumor	7	0.23
Comedocarcinoma	5	0.17
Paget's disease,mammary	4	0.13
Papillary carcinoma	4	0.13
Cribriform carcinoma	3	0.10
Adenoid cystic carcinoma	2	0.07
Pleomorphic carcinoma	2	0.07
Scirrhou adenocarcinoma	2	0.07
Adenosquamous carcinoma	1	0.03
Fibrosarcoma	1	0.03
Maleginant (MFH) Fibrous histiocyto	1	0.03
Myxoid liposarcoma	1	0.03
Neuroendocrine carcinoma	1	0.03
P. dis. & infil. duct carc.,breast	1	0.03
Pleomorphic liposarcoma	1	0.03
Spindle cell carcinoma	1	0.03

**Tubular adenocarcinoma
Neoplasm**

**1
637**

**0.03
21.33**

Morphology Verified

Cases

%

2350

78.67

Table (52)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: BRONCHUS & LUNG

TOTAL	MALE	FEMALE
1570	1151	419

	0-4	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+	unknown	T
MALE	1	2		2	4	5	5	14	34	41	91	163	232	209	346	2	1151
FEMALE		1	1	1	4	2	5	12	15	23	40	64	78	58	114	1	419
TOTAL	1	3	1	3	8	7	10	26	49	64	131	227	310	267	460	3	1570

Most frequent histology

Morphology	CASES	%
Squamous cell carcinoma	437	27.83
Adenocarcinoma	181	11.53
Carcinoma, NOS.	95	6.05
Small cell carcinoma	81	5.16
Bronchiolo-alveolar adenocarcinoma	49	3.12
Large cell carcinoma	23	1.46
Oat cell carcinoma	17	1.08
Small cell-large cell carcinoma	8	0.51
Adenosquamous carcinoma	4	0.25
Carcinoid tumor	3	0.19
Soft tissue tumor	3	0.19
Adenoid squamous cell carcinoma	2	0.13
Clear cell adenocarcinoma	2	0.13
Acinar cell carcinoma	1	0.06
Cystadenocarcinoma	1	0.06
Fibrosarcoma	1	0.06
Pseudosarcomatous carcinoma	1	0.06
Spindle cell carcinoma	1	0.06
Neoplasm	660	42.04

Morphology Verified

Cases	%
910	57.96

Table (53)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: BRAIN AND OTHER CNS.

TOTAL	MALE	FEMALE
962	531	431

	0-4	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+	unknown	T
MALE	33	42	36	30	24	30	32	39	44	39	52	44	33	22	31	0	531
FEMALE	23	20	26	20	21	33	31	36	41	31	25	39	33	18	34		431
TOTAL	56	62	62	50	45	63	63	75	85	70	77	83	66	40	65	0	962

Most frequent histology

Morphology	CASES	%
Astrocytoma	112	11.64
Glioblastoma	62	6.44
Meningioma	58	6.03
Glioma	49	5.09
Transitional meningioma	48	4.99
Medulloblastoma	35	3.64
Fibrillary astrocytoma	31	3.22
Epithelial tumor	26	2.70
Pilocytic astrocytoma	18	1.87
Craniopharyngioma	16	1.66
Ependymoma	16	1.66
Adenocarcinoma Metastatei	11	1.14
Astrocytoma,anaplastic	10	1.04
Neuroblastoma	8	0.83
Oligodendroglioma	8	0.83
Gemistocytic astrocytoma	6	0.62
Myxopapillary ependymoma	6	0.62
Neurilemmoma	6	0.62
Desmoplastic medulloblastoma	5	0.52
Prolactinoma	4	0.42
Liposarcoma	3	0.31
Meningeal sarcomatosis	3	0.31
Mixed glioma	3	0.31
Neurofibrosarcoma	3	0.31
Psammomatous meningioma	3	0.31
Astroblastoma	2	0.21
Chordoma	2	0.21

Choroid plexus papilloma	2	0.21
Chromophobe carcinoma	2	0.21
Hemangioblastic meningioma	2	0.21
Hemangioblastoma	2	0.21
Medullomyoblastoma	2	0.21
Oligodendroblastoma	2	0.21
Primitive (PNET) neuroectodermal tumor	2	0.21
Gliomatosis cerebri	1	0.10
Hemangiopericytoma	1	0.10
Neuroma	1	0.10
Papillary meningioma	1	0.10
Pineoblastoma	1	0.10
Pleomorphic xanthoastrocytoma	1	0.10
Protoplasmic astrocytoma	1	0.10
Subependymal glioma	1	0.10
Neoplasm	386	40.12

Morphology Verified

Cases	%
576	59.88

Table (54)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: BLADDER

TOTAL	MALE	FEMALE
957	743	214

	0-4	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+	unknown	T
MALE	3		1	3	2	3	11	12	33	26	61	98	146	115	227	2	743
FEMALE	1				1	5	2	3	5	14	23	23	44	31	62		214
TOTAL	4		1	3	3	8	13	15	38	40	84	121	190	146	289	2	957

Most frequent histology

Morphology	CASES	%
Transitional cell carcinoma,NOS	445	46.50
Papillary trans. cell carc.	123	12.85
Epithelial tumor	43	4.49
Squamous cell carcinoma,NOS	43	4.49
Adenocarcinoma	22	2.30
Papillary carcinoma,NOS	3	0.31
Papillary adenocarcinoma,NOS	3	0.31
Rhabdomyosarcoma,NOS	3	0.31
Carcinoma,undifferentiated	2	0.21
Pseudosarcomatous carcinoma	2	0.21
Clear cell adenocarcinoma	1	0.10
Mucinous adenocarcinoma	1	0.10
Soft tissue tumor	1	0.10
Neoplasm	265	27.69

Morphology Verified

Cases	%
692	72.31

Table (55)
Distribution by Age, Sex, and
Morphology in ٢٠٠٩

Site: LEUKAEMIA

TOTAL	MALE	FEMALE
908	506	402

	0-4	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+	unknown	T
MALE	64	67	36	40	28	25	21	22	23	19	23	36	34	20	46	2	506
FEMALE	72	40	30	32	13	15	14	23	18	11	22	12	31	26	41	2	402
TOTAL	136	107	66	72	41	40	35	45	41	30	45	48	65	46	87	4	908

Most frequent histology

Morphology	CASES	%
Acute lymphoblastic leukemia	165	18.17
Acute myeloid leukemia	115	12.67
Chronic myeloid leukemia	113	12.44
Chronic lymphoid leukemia	80	8.81
Lymphoid leukemia	79	8.70
Acute leukemia	20	2.20
Myeloid leukemia	20	2.20
Prolymphocytic leukemia	15	1.65
Hairy cell leukemia	6	0.66
Acute promyelocytic leukemia	3	0.33
Adult T-cell leukaemia/lymphoma	3	0.33
Plasma cell leukemia	3	0.33
Acute myelofibrosis	2	0.22
Acute panmyelosis	1	0.11
Aleukemic lymphoid leukemia	1	0.11
Chronic monocytic leukemia	1	0.11
Mast cell leukemia	1	0.11
Subacute myeloid leukemia	1	0.11
Leukemia,NOS	279	30.73

Morphology Verified	
Cases %	
629	69.27

Table (56)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: NON –HODGKIN LYMPHOMA

TOTAL	MALE	FEMALE
737	458	279

	0-4	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+	unknown	T
MALE	35	31	13	32	27	25	28	32	30	29	34	26	30	36	49	1	458
FEMALE	15	12	10	7	9	20	17	16	21	20	25	12	30	27	37	1	279
TOTAL	50	43	23	39	36	45	45	48	51	49	59	38	60	63	86	2	737

Most frequent histology

Morphology	CASES	%
Lmphoma,non-Hodgkin's	415	56.31
Lymphoma,mixed small and large cell,diffuse	47	6.38
Lymphoma,large cell,diffuse	30	4.07
Burkitt's lymphoma	11	1.49
Lymphoma,small lymphocytic	9	1.22
Histiocytosis	8	1.09
Lymphoma,small cleaved cell,diffuse	4	0.54
Lymphoma,follicular	3	0.41
Lymphoma,lymphocyt.,intermed. differ.,diffuse	2	0.27
Monocytoid B-cell lymphoma	2	0.27
Peripheral T-cell lymphoma	2	0.27
Lymphoa,large cell,cleaved,diffuse	1	0.14
Lymphoma,diffuse	1	0.14
Lymphoma,lymphoblastic	1	0.14
Lymphoma,lymphocyt.,poor diff,nod.	1	0.14
Lymphoma,mxd lymphocyt-histiocyt nod.	1	0.14
Lymphoma,NOS	199	27.00

Morphology Verified
Cases %

538 73.00

Table (57)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: COLORECTAL

TOTAL	MALE	FEMALE
701	387	314

	0-4	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+	unknown	T
MALE	1		1	1	14	11	21	29	34	30	28	57	53	53	54		387
FEMALE	2	1		2	10	12	11	15	23	26	41	45	44	34	48		314
TOTAL	3	1	1	3	24	23	32	44	57	56	69	102	97	87	102		701

Most frequent histology

Morphology	CASES	%
Adenocarcinoma	416	59.34
Epithelial tumor	28	3.99
Mucinous adenocarcinoma	18	2.57
Squamous cell carcinoma	9	1.28
Adenoca. in ademomatous polyp	3	0.43
Mucocarcinoid tumor	2	0.29
Adenoca. in adenoma. polyposis coli	1	0.14
Carcinoid tumor,NOS,except appendix	1	0.14
Cystadenocarcinoma,NOS	1	0.14
Fibrous histiocytoma	1	0.14
Neuroendocrine carcinoma	1	0.14
Neoplasm	220	31.38

Morphology Verified
Cases %

481 69.62

Table (58)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: SKIN, OTHER

TOTAL	MALE	FEMALE
609	352	257

	0-4	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+	unknown	T
MALE	1	3	3	5	1	4	14	14	17	15	38	35	33	54	114	1	352
FEMALE		1	3	1	7	7	10	11	8	22	42	23	32	27	62	1	257
TOTAL	1	4	6	6	8	11	24	25	25	37	80	58	65	81	176	2	609

Most frequent histology

Morphology	CASES	%
Basal cell carcinoma	232	38.10
Squamous cell carcinoma	187	30.71
Melanoma	38	6.24
Basosquamous carcinoma	18	2.96
Dermatofibrosarcoma	13	2.13
Kaposi's sarcoma	12	1.97
Epithelial tumor	11	1.81
Basal cell carc. ,fibroepithelial	6	0.99
Adenocarcinoma	9	1.48
Verrucous carcinoma	3	0.49
Acral lentiginous melanoma	2	0.33
Liposarcoma	2	0.33
Nodular melanoma	2	0.33
Adenoid cystic carcinoma,NOS	1	0.16
Adenoid squamous cell carcinoma	1	0.16
Basal cell carcinoma,morphea type	1	0.16
Bowen's disease	1	0.16
Carcinoma,undifferentiated	1	0.16
Clear cell adenocarcinoma	1	0.16
Fibrous histiocyoma	1	0.16
Melan. in Hutch. mel. freckle	1	0.16
Merkel cell carcinoma	1	0.16
Metatypical carcinoma	1	0.16
Rhabdomyosarcoma	1	0.16
Sq. cell carc. ,micro-invasive	1	0.16
Neoplasm	62	10.18

Morphology Verified
Cases %

547 89.82

Table (59)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: STOMACH

TOTAL	MALE	FEMALE
538	307	231

	0-4	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+	unknown	T
MALE	1			3	2	4	11	15	23	16	29	44	41	44	74		307
FEMALE		1		1	5	12	7	15	16	23	25	22	30	25	48	1	231
TOTAL	1	1		4	7	16	18	30	39	39	54	66	71	69	122	1	538

Most frequent histology

Morphology	CASES	%
Adenocarcinoma	214	39.78
Adenocarcinoma,intestinal type	48	8.92
Carcinoma, NOS.	37	6.88
Signet ring cell carcinoma	11	2.04
Squamous cell carcinoma	9	1.67
Mucinous adenocarcinoma	4	0.74
Carcinoma,diffuse type	2	0.37
Soft tissue tumor	2	0.37
Carcinoma,undifferentiated	1	0.19
Gastrinoma	1	0.19
Neuroendocrine carcinoma	1	0.19
No histology	208	38.66

Morphology Verified
Cases %

330 61.34

Table (60)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: LAEYNX

TOTAL	MALE	FEMALE
377	279	98

	0-4	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+	unknown	T
MALE						2	5	3	8	10	45	40	58	49	59		279
FEMALE					1		4	5	4	4	10	9	25	14	22		98
TOTAL					1	2	9	8	12	14	55	49	83	63	81		377

Most frequent histology

Morphology	CASES	%
Squamous cell carcinoma,NOS	222	58.89
Sq. cell carc. ,ker. type,NOS	32	8.49
Epithelial tumor	13	3.45
Verrucous carcinoma,NOS	6	1.59
Adenocarcinoma	5	1.33
Papillary squamous cell carcinoma	4	1.06
Neoplasm	95	25.20

Morphology Verified

Cases	%
282	74.80

Table (61)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: PROSTATE

TOTAL	MALE	FEMALE
300	300	0

	0-4	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+	unknown	T
MALE				1	1	1	1	2	3	4	12	32	43	51	149		300
FEMALE																	0
TOTAL				1	1	1	1	2	3	4	12	32	43	51	149		300

Most frequent histology

Morphology	CASES	%
Adenocarcinoma	151	50.33
Carcinoma, NOS.	22	7.33
Squamous cell carcinoma	1	0.33
No histology	126	42.00

Morphology Verified
Cases %

174 58.00

Table (62)
Distribution by Age, Sex, and
Morphology in ۲۰۰۹

Site: OVARY

TOTAL	MALE	FEMALE
307	0	307

	0-4	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+	unknown	T
MALE																	
FEMALE	1	4	9	9	12	17	14	19	42	37	37	34	30	16	25	1	307
TOTAL	1	4	9	9	12	17	14	19	42	37	37	34	30	16	25	1	307

Most frequent histology

Morphology	CASES	%
Adenocarcinoma,NOS	66	21.50
Cystadenocarcinoma,NOS	21	6.84
Papillary serous cystadenocarcinoma	21	6.84
Serous cystadenocarcinoma,NOS	18	5.86
Granulosa cell tumor	16	5.21
Mucinous adenocarcinoma	13	4.23
Dysgerminoma	12	3.91
Mucinous cystadenocarcinoma,NOS	12	3.91
Teratoma,NOS	12	3.91
Epithelial tumor	8	2.61
Papillary mucinous cystadenoca.	7	2.28
Endometrioid carcinoma	5	1.63
Germinoma	3	0.98
Embryonal carcinoma,NOS	2	0.65
Endodermal sinus tumor	2	0.65
Liposarcoma,NOS	2	0.65
Mixed germ cell tumor	2	0.65
Papillary carcinoma,NOS	2	0.65
Teratocarcinoma	2	0.65
Thecoma	2	0.65
Clear cell adenocarcinoma,NOS	1	0.33
Fibrous histiocytoma	1	0.33
Mixed tumor,NOS	1	0.33

Mucinous adenofibroma	1	0.33
Signet ring cell carcinoma	1	0.33
Small cell carcinoma,NOS	1	0.33
Squamous cell carcinoma,NOS	1	0.33
Strumal carcinoid	1	0.33
Teratoma with malignant transformation	1	0.33
Neoplasm	70	22.80

Morphology Verified
Cases %

237 77.20

Children's Cancers

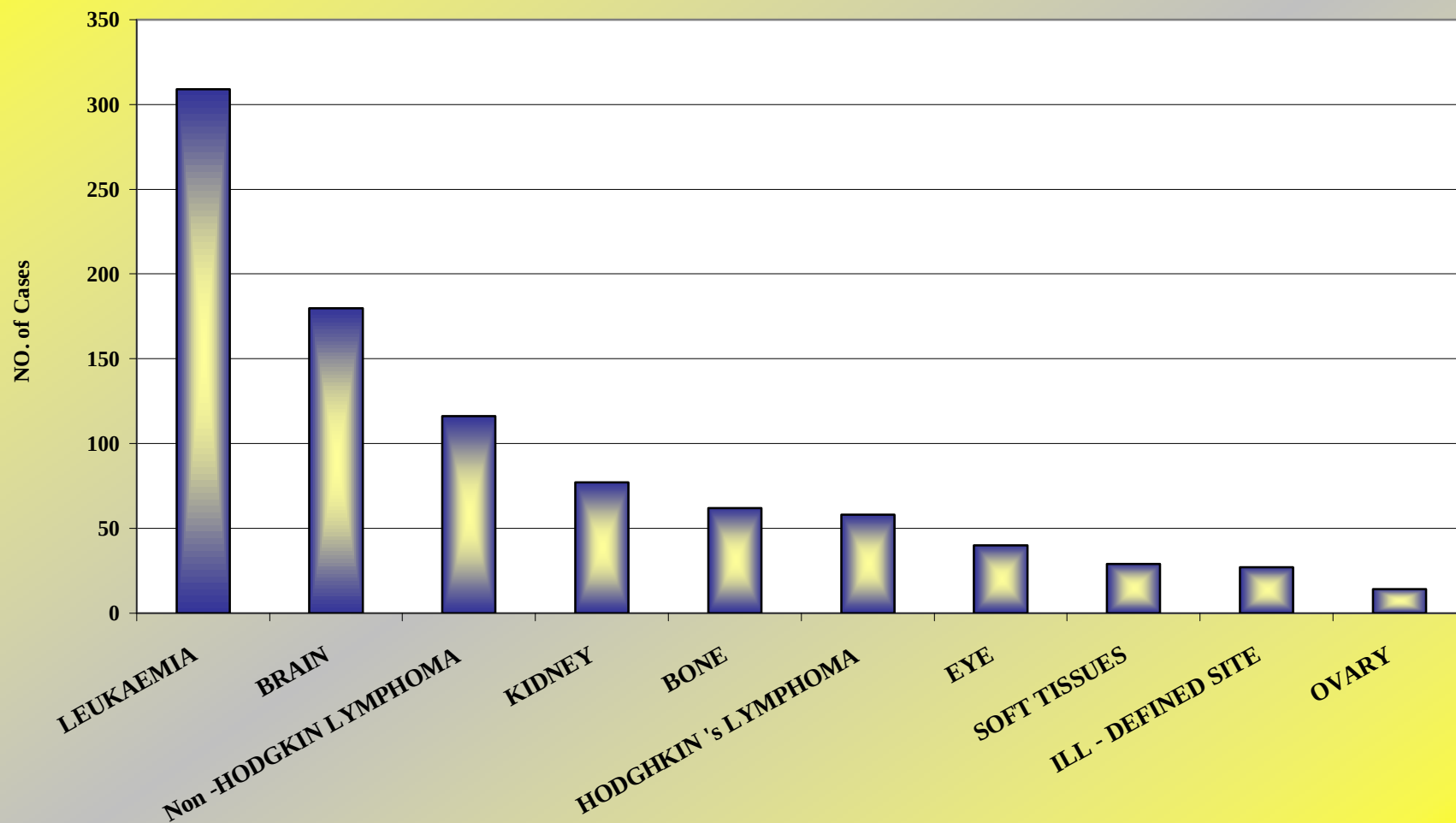
Table (63)

**Distribution of the Top Ten Cancers in Children Ranking
According to Frequency (0 – 14 Years of Age) 2009**

	SITE	TOTAL	MALE	FEMALE	% OF TOTAL
1	LEUKEMIA	309	167	142	30.44
2	BRAIN	180	111	69	17.73
3	NON –HODGKIN LYMPHOMA	116	79	37	11.43
4	KIDNEY	77	42	35	7.59
5	BONE	62	34	28	6.11
6	HODGKIN LYMPHOMA	58	36	22	5.71
7	EYE	40	24	16	3.94
8	SOFT TISSUES	29	14	15	2.86
9	ILL- DEFINED SITE	27	17	10	2.66
10	OVARY	14	0	14	1.38
	Total Ten	912	524	388	89.85
	All Site	1015	585	430	100.00

Figure (36)

The Commonest Ten Cancers in Children (2009)



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Primary Site

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Table (64)
The Number Of New Cases of Children Cancer and Percentage of
Total By Primary Site, Age and Gender (2009)

MALE

FEMALE

SITE	ICD0	0-	5-	10-	Total	%		0-	5-	10-	Total	%
TONGUE - OTHER	C02		1		1	0.17						0.00
PAROTID GLAND	C07			3	3	0.51						0.00
SALIVARY GLAND	C08			1	1	0.17						0.00
NASOPHARYNX	C11			3	3	0.51		1			1	0.23
STOMACH	C16	1			1	0.17			1		1	0.23
SMALL INTESTIN	C17					0			1		1	0.23
COLON	C18			1	1	0.17			1		1	0.23
RECTUM	C20					0		2			2	0.47
ANUS	C21	1			1	0.17						0.00
LIVER	C22	3			3	0.51		3			3	0.70
PANCREAS	C25			1	1	0.17						0.00
OTHER DIGESTIVE SYSTEM ORGAN	C26	1			1	0.17						0.00
EAR/NOSE	C30	1			1	0.17						0.00
ACCESSORY SINUS	C31					0				1	1	0.23
BRONCHUS & LUNG	C34	1	2		3	0.51			1	1	2	0.47
THYMUS	C37			1	1	0.17						0.00
HEART & MEDIASTINUM	C38			1	1	0.17		2	1		3	0.70
BONES - LIMBS	C40	4	3	10	17	2.91			7	10	17	3.95
BONES – UNSPECIFIED SITE	C41	1	10	6	17	2.91			1	10	11	2.56
BON MARROW	C42					0		1			1	0.23
SKIN	C44	1	3	3	7	1.2			1	3	4	0.93
NERVES	C47	4	1		5	0.85		1			1	0.23
PERITONEUM	C48	1			1	0.17		1		1	2	0.47
SOFT TISSUES	C49	3	4	7	14	2.39		6	4	5	15	3.49
VAGINA	C52					0		1	1		2	0.47
OVARY	C56					0		1	4	9	14	3.26
FEMALE GENITAL	C57					0				1	1	0.23
TESTIS	C62	4		1	5	0.85						0.00
KIDNEY	C64	25	14	3	42	7.18		24	8	3	35	8.14
BLADDER	C67	3		1	4	0.68		1			1	0.23
EYE	C69	16	7	1	24	4.1		14	1	1	16	3.72
MENINGES	C70			1	1	0.17			1	2	3	0.70

SITE	ICD0	0-	5-	10-	Total	%		0-	5-	10-	Total	%
BRAIN	C71	27	39	31	97	16.6		22	19	23	64	14.88
NERVOUS SYSTEM	C72	3	2		5	0.85						0.00
THYROID	C73		1	2	3	0.51			1	1	2	0.47
ADRENAL GLAND	C74	5	1		6	1.03		5	1		6	1.40
ENDOCRINE - OTHER	C75	3	1	4	8	1.37			1	1	2	0.47
ILL – DEFINED SITE	C76	12	2	3	17	2.91		9		1	10	2.33
LYMPH NODES	C77					0		1			1	0.23
UNKNOWN PRIMARY SITES	C80	4	1		5	0.85		1	3	1	5	1.16
HODGKIN LYMPHOMA		5	19	12	36	6.15		4	7	11	22	5.12
Non -Hodgkin Lymphoma		35	31	13	79	13.5		15	12	10	37	8.60
PLASMACYTOMA						0				1	1	0.23
MULTIPLE MYELOMA			1	1	2	0.34						0.00
LEUKAEMIA		64	67	36	167	28.5		72	40	30	142	33.02
M. M. & L. D.*			1		1	0.17						0.00
Total		228	211	146	585	100		187	117	126	430	100.00

Table (65)

**Distribution of Child Cancers According To Age, Gender
And Provinces / 2009**

Provinces	0 - 4		5 - 9		10 - 14	
	M	F	M	F	M	F
Baghdad	42	45	39	25	28	31
Nineveh	27	16	23	19	16	18
Kirkuk	5	7	4	4	1	2
AL- Anbar	11	7	7	7	4	5
Salah - Alden	12	14	14	7	8	7
Dyala	10	6	7	4	4	7
Kerballa	11	9	5	5	4	4
AL - Najaf	8	10	16	8	12	7
Babil	11	10	16	1	19	6
Wasit	4	3	4	3	4	3
Misan	13	5	7	2	5	2
AL- Diwanyia	8	8	13	7	11	8
The - Qar	11	10	14	3	5	6
AL - Basrah	36	21	29	11	10	14
AL- Muthana	3	3	2	1	8	0
AL Sulaimaniyeh	8	6	7	4	4	3
Duhok	5	5	3	1	3	0
Eebil	2	1	0	3	0	3
Others	1	1	1	2	0	0
Total	228	187	211	117	146	126

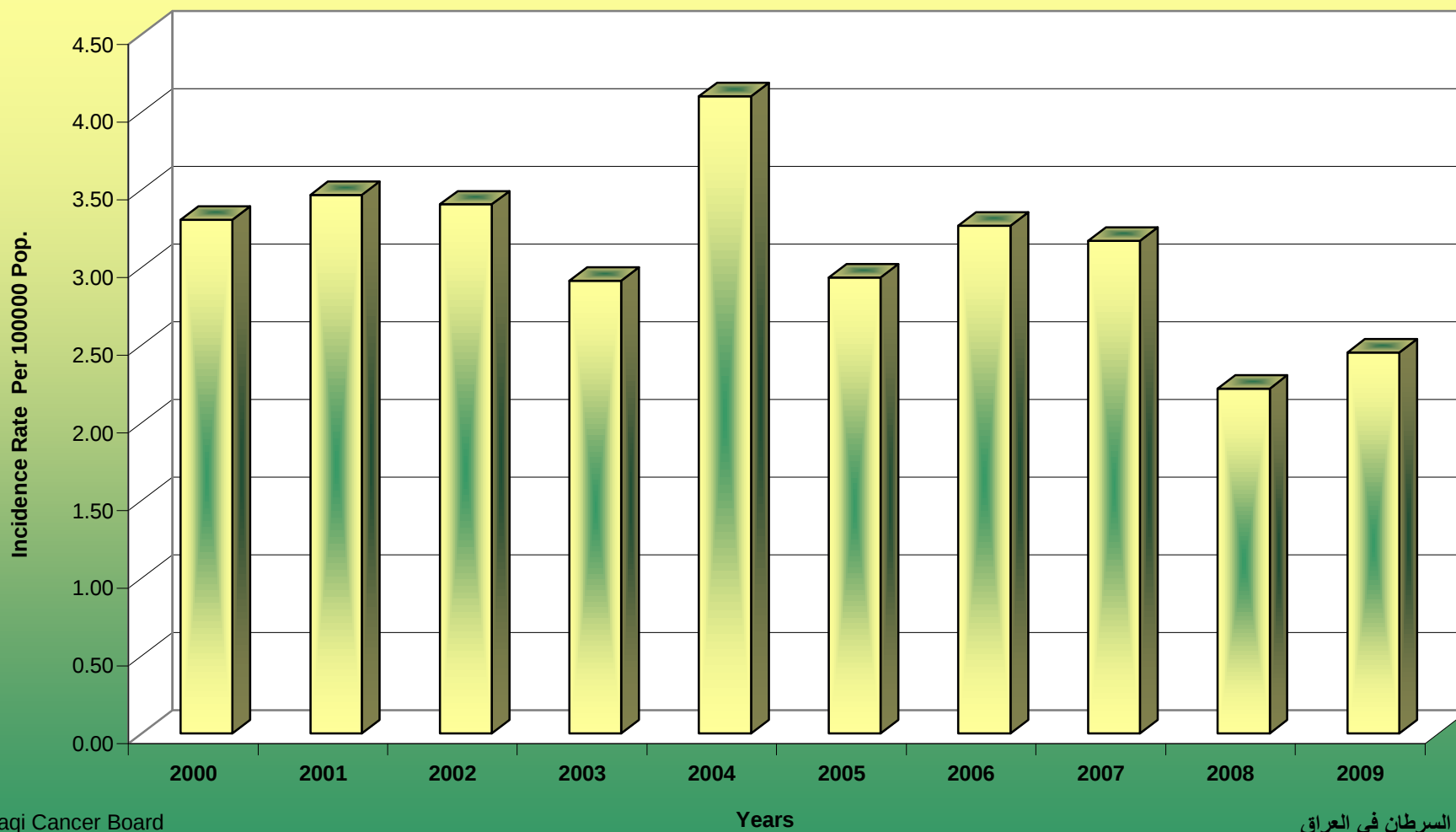
Table (66)
Incidence Rate and Percentage of Leukemia in Children
(2000 – 2009) In Iraq

YEARS	NO. OF CASES	NO. OF LEUKEMIA CASES	%	INCIDENCE RATE
٢٠٠٠	800	305	38.13	3.31
٢٠٠١	1032	328	31.78	3.46
٢٠٠٢	1092	331	30.31	3.41
٢٠٠٣	924	291	31.49	2.92
٢٠٠٤	1201	420	34.97	4.10
٢٠٠٥	1094	355	32.45	2.93
٢٠٠٦	1107	406	36.68	3.27
٢٠٠٧	1096	406	37.04	3.17
٢٠٠٨	936	305	32.59	2.22
٢٠٠٩	1015	309	30.44	2.45
Total	11633	3858	33.16	-----

* Children (0 – 14)

Figure (37)

Incidence Rate of Leukemia in Children
(2000 - 2009) in Iraq



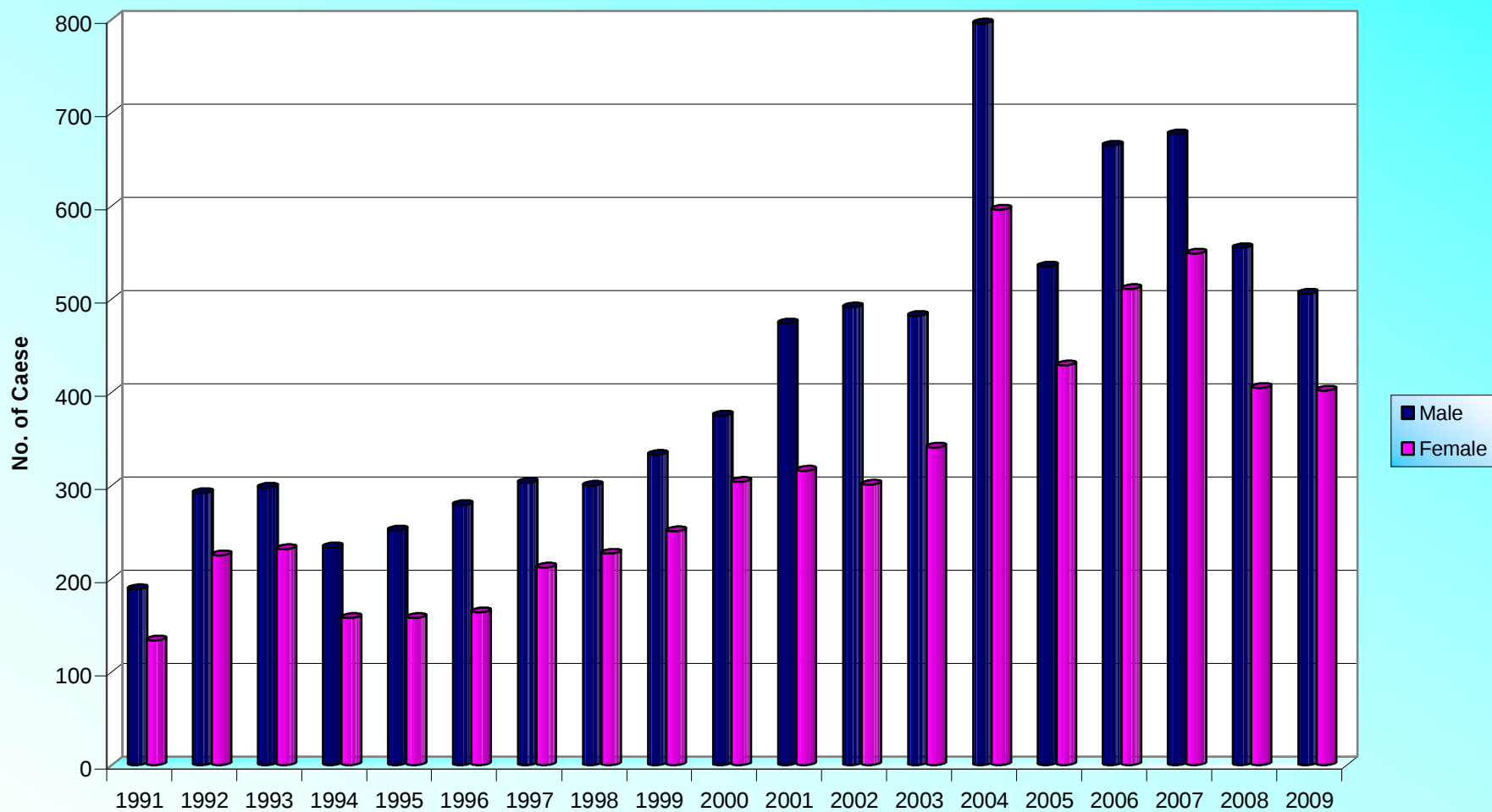
L e u k e m i a I n I r a q

Table (67)**Distribution of Leukemia All Age by Gender in Iraq
(1991 - 2009)**

Years	No. Of New Malignant Cases	No. Of Leukemia Cases	Male	Female	% Of Total
1991	5720	323	189	134	5.6
1992	8526	517	292	225	6.1
1993	8471	530	298	232	6.3
1994	7785	392	234	158	5.0
1995	7948	410	252	158	5.2
1996	8360	443	279	164	5.3
1997	8592	515	303	212	6.0
1998	9033	527	300	227	5.8
1999	8936	584	333	251	6.5
2000	10888	679	375	304	6.2
2001	13332	790	474	316	5.9
2002	13985	792	491	301	5.7
2003	11248	823	482	341	7.3
2004	14520	1392	796	596	9.6
2005	15172	964	635	429	6.35
2006	15226	1176	665	511	7.72
2007	14213	1226	677	549	8.6
2008	14180	960	555	405	6.77
2009	15251	908	506	402	5.95
Total	211386	13951	8036	5915	6.59

Figure (38)

Distribution of Leukemia in Iraq by Gender (1991 - 2009)



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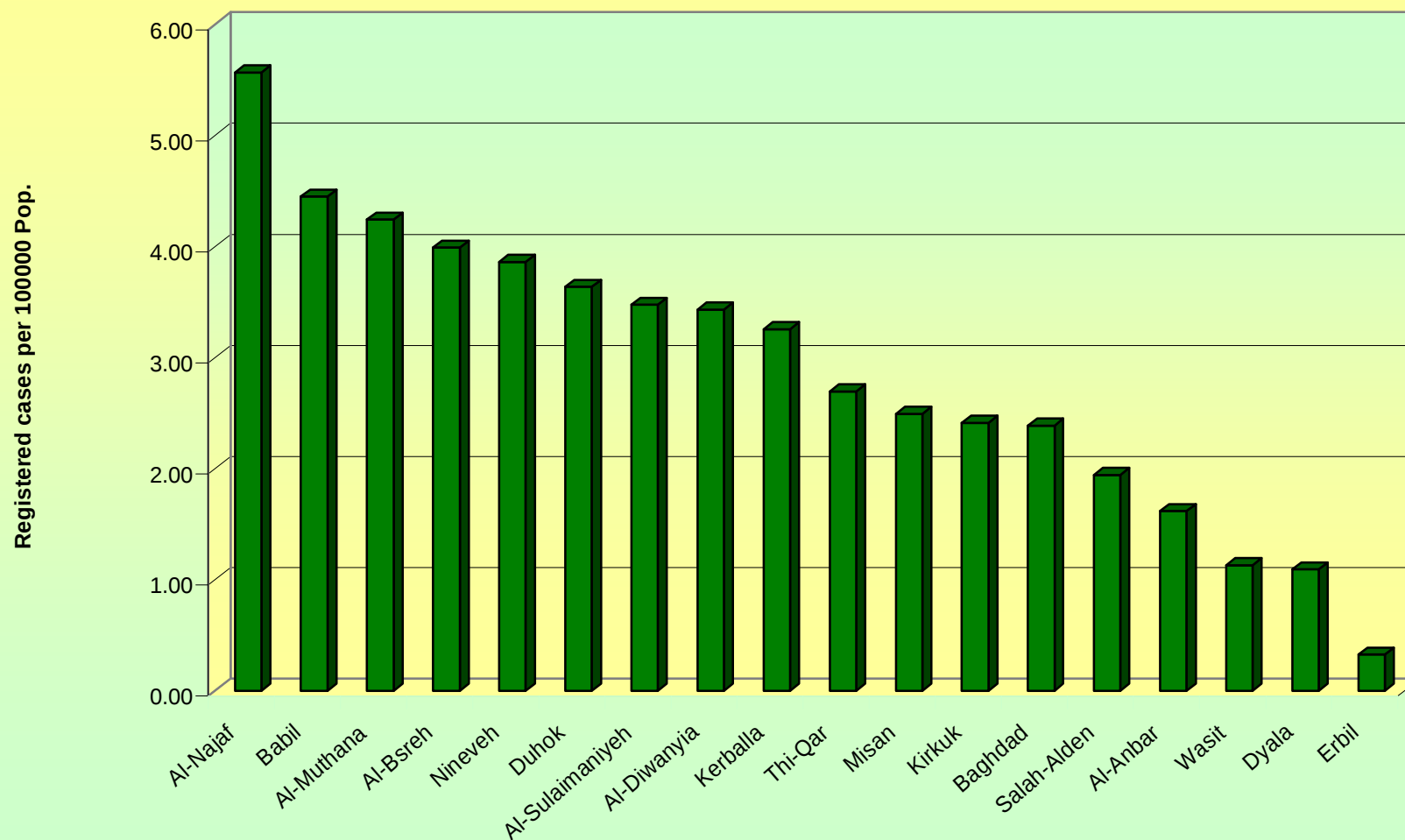
Table (68)

Percentage And Incidence Rate of Leukemia in All Provinces 2009

Province	Total Cases	No. of Leukemia cases	Leukemia %	Registered Cases of Leukemia /100000 Pop.
Baghdad	4105	160	3.90	2.39
Nineveh	1377	120	8.71	3.86
Kirkuk	616	32	5.19	2.41
Al-Anbar	509	24	4.72	1.62
Salah-Aldin	560	26	4.64	1.94
Dyala	393	15	3.82	1.09
Kerballa	558	33	5.91	3.26
Al-Najaf	1050	68	6.48	5.57
Babil	1098	77	7.01	4.45
Wasit	489	13	2.66	1.13
Misan	322	23	7.14	2.49
Diwaniya	698	37	5.30	3.43
Thi-Qar	596	47	7.89	2.69
Al- Basrah	1205	96	7.97	3.99
Al-Muthana	287	29	10.10	4.25
Al-Sulaimaniyah	504	62	12.30	3.47
Duhok	447	39	8.72	3.64
Erbil	383	5	1.31	0.33

Figure (39)

The Incidence Rat of Leukemia in Iraqi Provinces 2009



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Provinces

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Cancer Mortality In 2009

Cancer Mortality in 2009:

Based on the data from the annual mortality report for the year 2009 (health and biostatistical department / Ministry of Health).

A total cancer deaths in Iraq is (8515), about (4500) in males & (4015) in females.

Male cancer deaths are higher than female it is 75.78 % in male while female death counted 73.75% of all cancer deaths of different age groups.

The incidence rate of male deaths is about (28.28) while the incidence rate of female deaths is about (25.48)

The first cancer deaths is cancer of Lung and Bronchus, the second is Brain cancer, the third is Breast cancer then Hodgkin, Liver, Urinary Bladder, Stomach, Colorectal, Pancreas, and Leukemia as shown in table (69).

In male the first ten cancer deaths are Bronchus & Lung, Brain, Hodgkin, Urinary Bladder, Liver, Stomach, Colorectal, Pancreas, Larynx, & Prostate as shown in table (70).

In female the first ten cancer deaths are breast, Brain, Bronchus & Lung, Hodgkin, Liver, Stomach, Colorectal, Pancreas, Urinary Bladder and Ovary as shown in table (71).

Table (69)

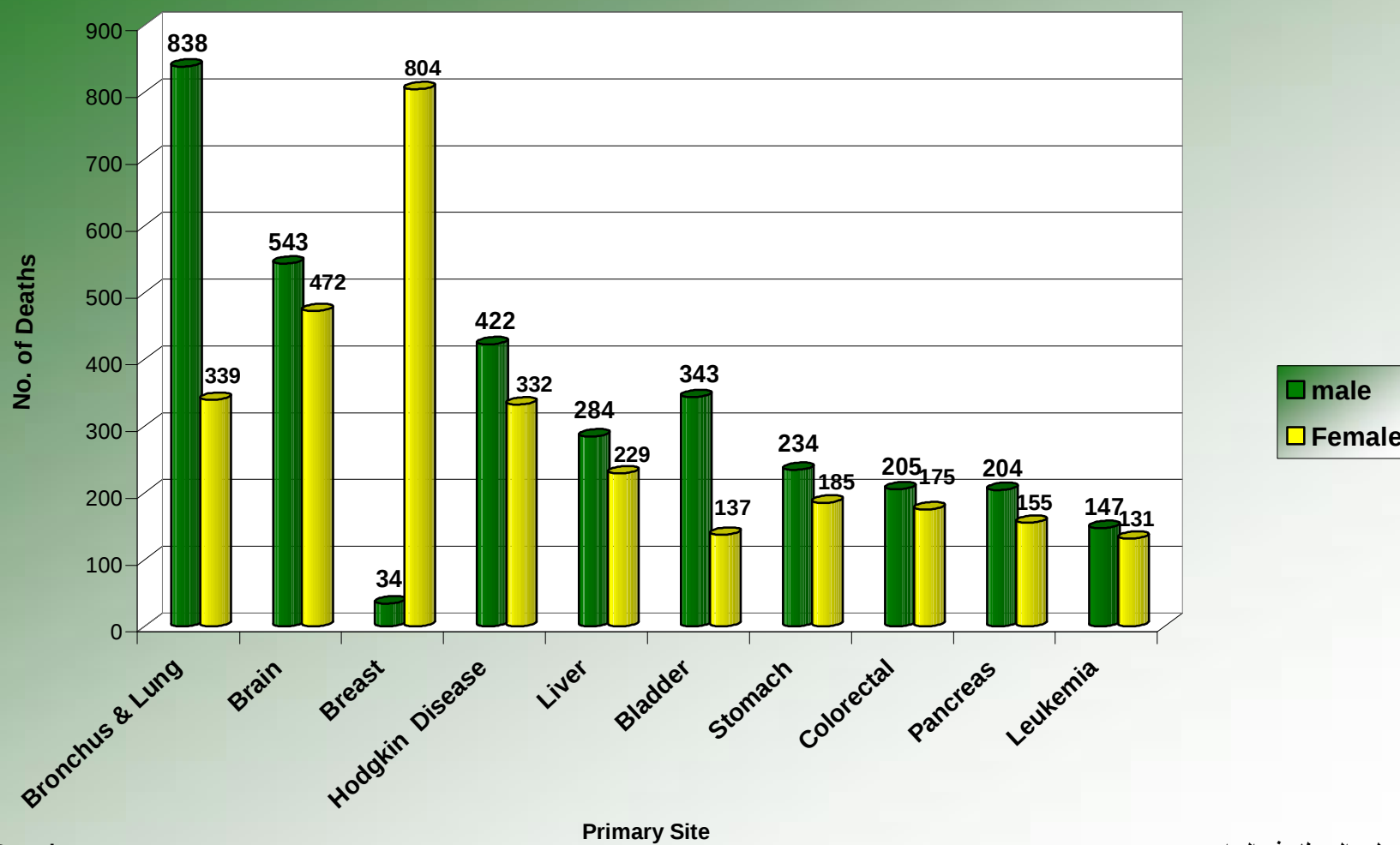
The Commonest Ten Cancer Deaths Registered By Site and Gender in Iraq – 2009

SITE	TOTAL	MALE	FEMALE	%	INCIDENCE RATE
Bronchus & Lung	1177	838	339	13.82	3.72
Brain	1015	543	472	11.92	3.21
Breast	838	34	804	9.84	2.65
Hodgkin's Disease	754	422	332	8.85	2.38
Liver	513	284	229	6.02	1.62
Bladder	480	343	137	5.64	1.52
Stomach	419	234	185	4.92	1.32
Colorectal	380	205	175	4.46	1.20
Pancreas	359	204	155	4.22	1.13
Leukemia	278	147	131	3.26	0.88
Total Ten	6213	3254	2959	72.97	19.62
All Deaths	8515	4500	4015	100.00	26.89

Source: Health and biostatistician Department / Ministry Of Health

Figure (40)

The Commonest Ten Cancer Deaths Registered By Site and Gender In Iraq - 2009

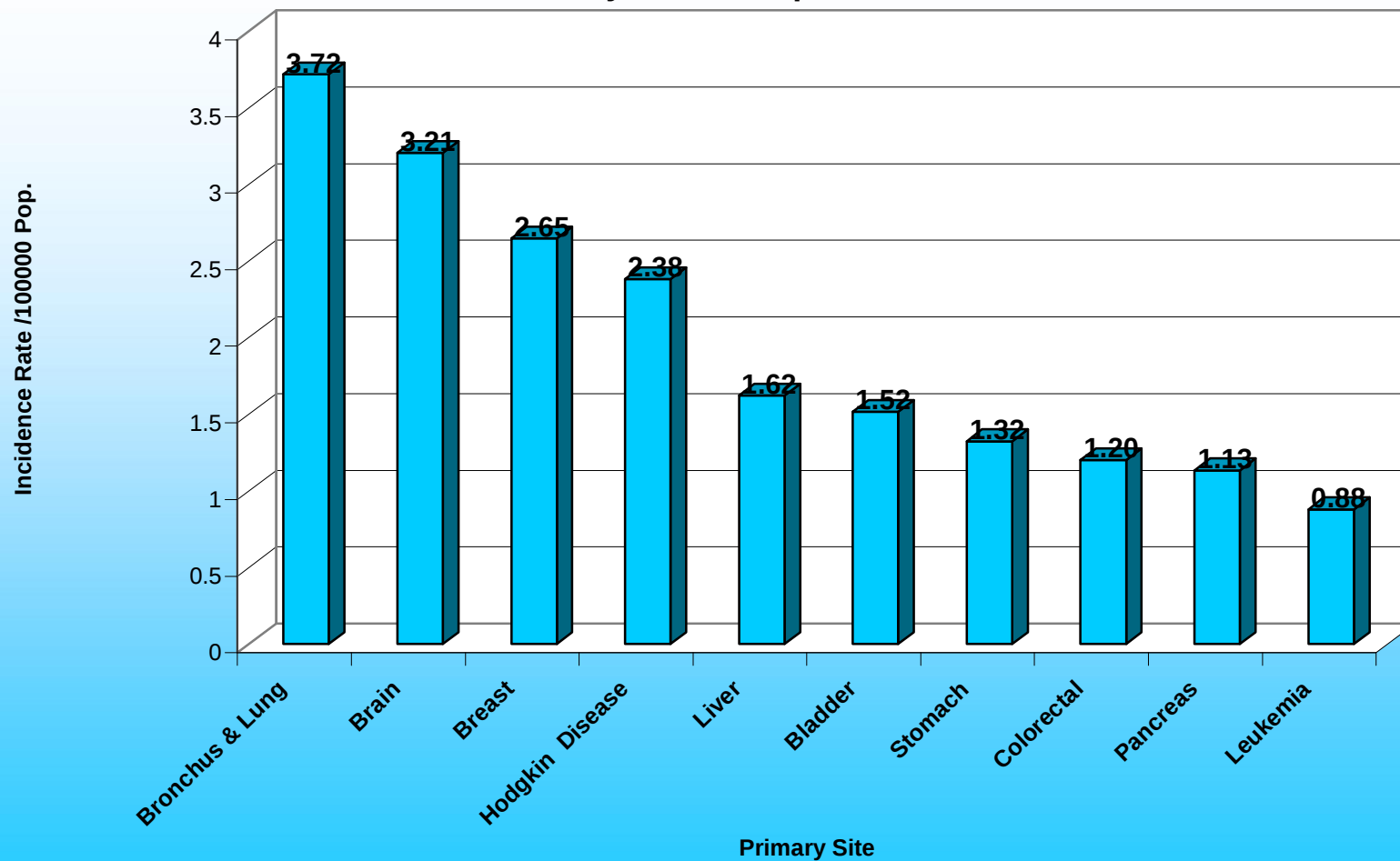


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Figure (41)

The Incidence Rate of Commonest Ten Cancer Deaths by Site In Iraq - 2009



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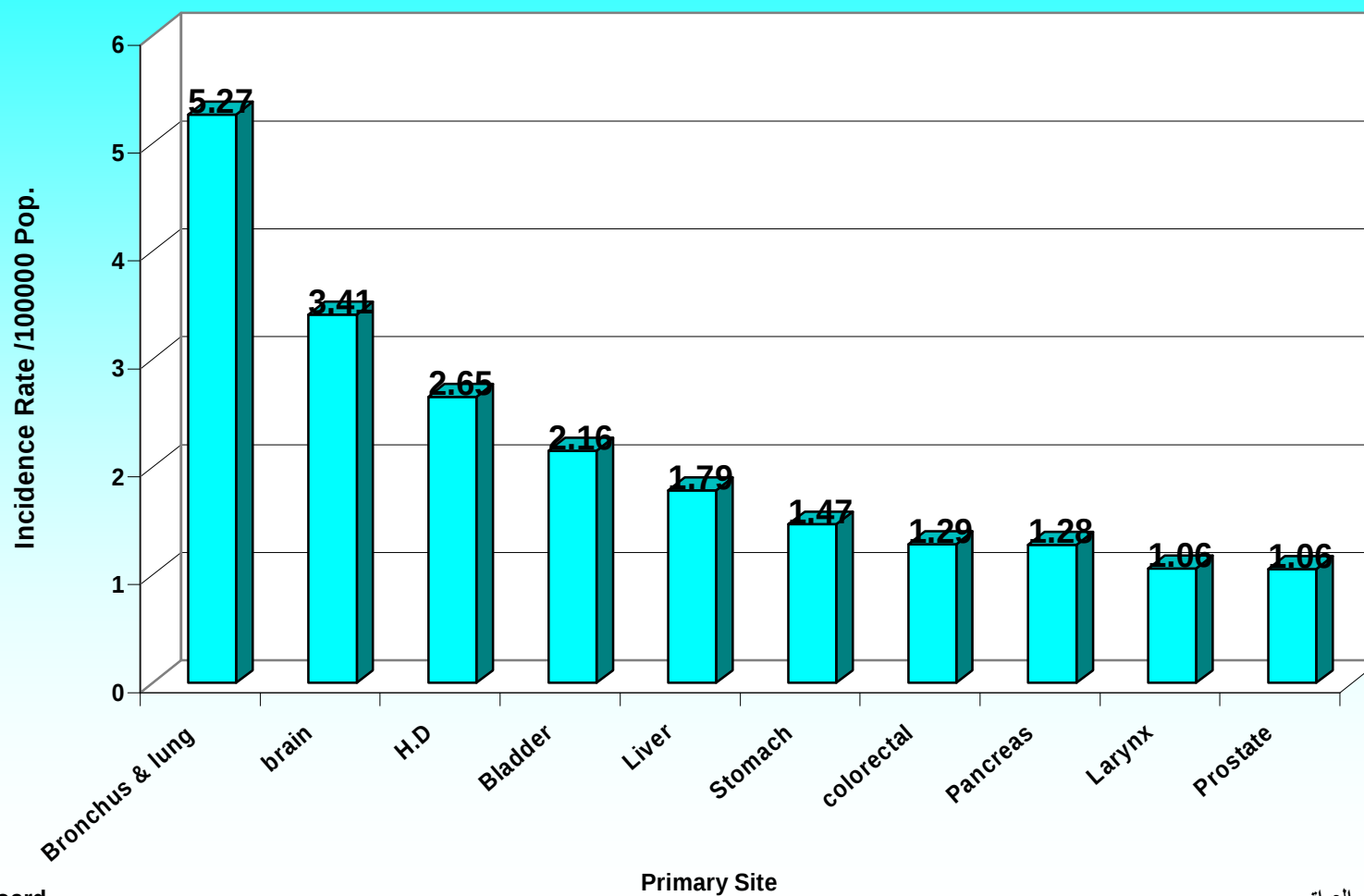
Table (70)

**The Incidence Rate of Top Ten Cancer Deaths by Site
Male – 2009**

SITE	MALE	%	INCIDENCE RATE
Bronchus & lung	838	18.62	5.27
brain	543	12.07	3.41
H.D	422	9.38	2.65
Bladder	343	7.62	2.16
Liver	284	6.31	1.79
Stomach	234	5.20	1.47
colorectal	205	4.56	1.29
Pancreas	204	4.53	1.28
Larynx	169	3.76	1.06
Prostate	168	3.73	1.06
Total Ten	3410	75.78	21.43
All Deaths	4500	100.00	28.28

Figure (42)

The Incidence Rate of Commonest Ten Cancer Deaths by Site in Male - 2009



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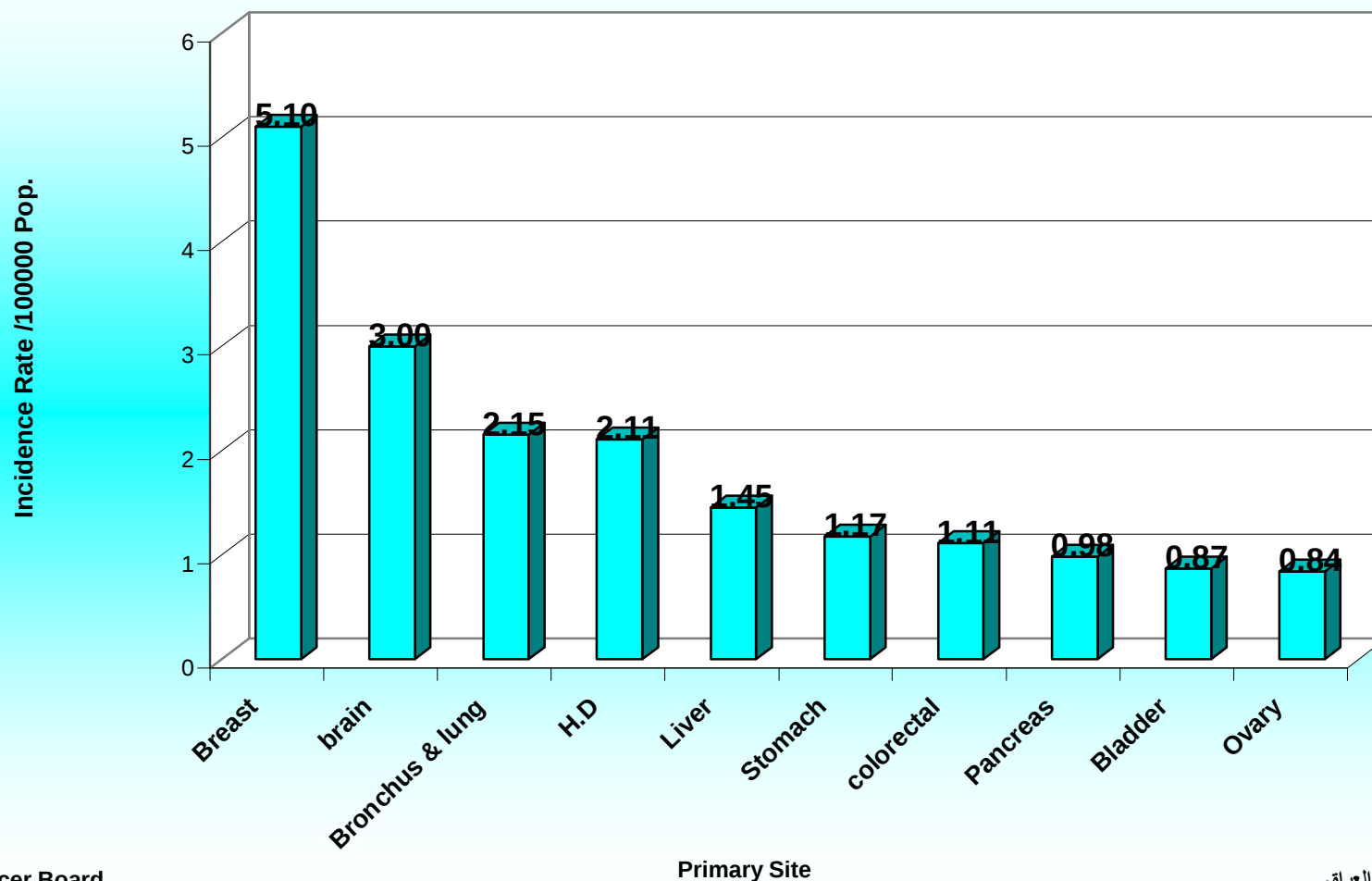
Table (71)

**The Commonest Ten Cancer Deaths by Site in
Female -2009**

SITE	FEMALE	%	INCIDENCE RATE
Breast	804	20.02	5.10
brain	472	11.76	3.00
Bronchus & lung	339	8.44	2.15
H.D	332	8.27	2.11
Liver	229	5.70	1.45
Stomach	185	4.61	1.17
colorectal	175	4.36	1.11
Pancreas	155	3.86	0.98
Bladder	137	3.41	0.87
Ovary	133	3.31	0.84
Total Ten	2961	73.75	18.79
All Deaths	4015	100.00	25.48

Figure (43)

The Incidence Rate of Commonest Ten Cancer Deaths by Site in Female - 2009

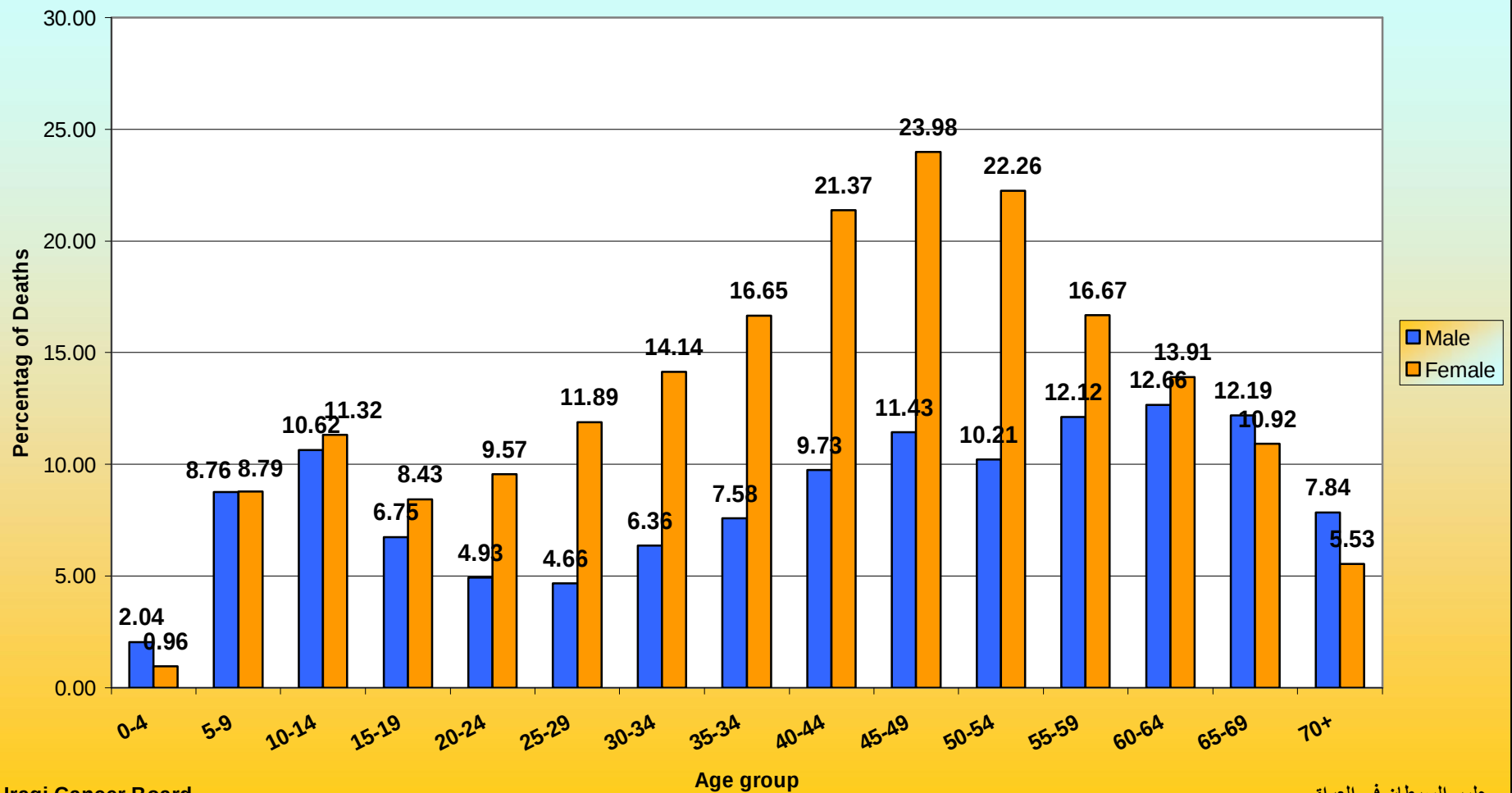


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Figure (44)

Distribution And Percentag of Cancers Deaths According To Age Group and gender in Iraq 2009



Appendix

International Classification of Disease

ICD-O	Site
C00	Lip
C01	Tongue, base
C02	Tongue, other
C03	Gum
C04	Mouth, floor
C05	Mouth, palate
C06	Mouth, other
C07	Parotid gland
C08	Salivary glands, other
C09	Tonsil
C10	Oropharynx
C11	Nasopharynx
C12	Pyriform sinus
C13	Hypopharynx
C14	Other Lip, Oral, Pharynx
C15	Oesophagus
C16	Stomach
C17	Small intestine
C18	Colon
C19	Rectosigmoid junction
C20	Rectum
C21	Anus & anal canal
C22	Liver & bile ducts
C23	Gallbladder
C24	Biliary tract, other
C25	Pancreas
C26	Other digestive organs
C30	Nasal cavity, middle ear
C31	Accessory sinuses
C32	Larynx
C33	Trachea
C34	Bronchus & lung
C37	Thymus

C38	Heart, mediast. pleura
C39	Other respir. & thoracic
C40	Bone & cartilage, limbs
C41	Bone & cartilage, other
C42	Bon Marrow (for leukemia, see below)
C44	Skin, other
C47	Nerves, periferal & ANS
C48	Peritoneum & Retroperit.
C49	Other connect./soft tisseues
C50	Breast
C51	Vulva
C52	Vagina
C53	Cervix uteri
C54	Corpus uteri
C55	Uterus unspecified
C56	Ovary
C57	Female genital, other
C58	Placenta
C60	Penis
C61	Prostate
C62	Testis
C63	Male genital, other
C64	Kidney, not renal pelvis
C65	Renal pelvis
C66	Ureter
C67	Bladder
C68	Urinary organs, other
C69	Eye & adnexa
C70	Meninges
C71	Brain
C72	Nervous system, other
C73	Thyroid gland
C74	Adrenal gland
C75	Endocrine glands, other
C76	Unspecified sites
C77	Lymph Nodes
C80	Unknown primary site

MINISTRY OF HEALTH
IRAQI CANCER REGISTRY

Can Reg-3: ☐ - ☐ ☐ ☐ ☐ ☐

(A Baghdad , B Basrah , C Babil , D Mousl)

I. Patient information

1. الاسم الأول:		2. اسم الأب:	
First name		Fathers name	
3. اسم العائلة:		4. اسم الأم:	
Family name		Mothers name	
Sex ☐ (1.male, 2.female, 9.unknown)	Birth date		
Age			
Nationality ☐ (1.Iraqi , 2. Arab , 3.others , 9.unknown)			
Address		Telephone	
(دار : / الزقاق : / المحلة : / المدينة : / المحافظة :)			
Address detail			
6. المهنة: (٠) ربة بيت (١) عامل (٢) مزارع (٣) تقني (٤) موظف (٥) معلم (٦) مهني (٧) كاتب (٨) أخرى (٩) غير معروف			
Occupation ☐ (0.House wife . 1. manual 2. Agriculture 3. Technical 4.Office gang 5. Teaching 6. Professional 7.Business 8.Other 9. unknown)			
Tumour			
Diagnosis			
Basis of diagnosis ☐ (0. Death certificate 1. Clinical only 2. Clinical investigations 3. Surgery/autopsy 4. laboratory test 5. Cytology Haematological . 6. histology of metastases 7. histology of primary . 8. autopsy with histology . 9. unknown)			
Topography		Morphology	
Behaviour ☐ (0. benign . 1. uncertain . 2. in situ . 3. malignant)			
Grade ☐ (1. Grade 2. Grade II . 3. Grade III . 4. Grade IV . 5. T-Cell . 6. B-Cell . 7. Null cell 8. Killer cell 9. Unknown)			
Extent ☐ (1. In situ 2. Localised . 3. Regional: direct ext . 4. Regional: Lymph nodes . 5. Regional: Dires . 6. LN 7. Distant metastasis . 8. Not applicable 9. Unknown)			
T ☐ (Advanced \ Localized)			
N ☐ (+/0)	Multiple primary		
M ☐ (+/0)	ICD-10		
Hospital		Treatment	
Hospital	Date	No patient	Surgery ☐ (1. yes 2. no 9. Unknown)
7. اسم المستشفى:			Radiotherapy ☐ (1. yes 2. no 9. Unknown)
8. اسم المستشفى:			Chemotherapy ☐ (1. yes 2. no 9. unknown)
اسم المستشفى:			Hormonal therapy ☐ (1. yes 2. no 9. unknown)
Path lab.	Date	Path Lab No	Immunotherapy ☐ (1. yes 2. no 9. unknown)
اسم المختبر:			
اسم المختبر:			
Follow up			
Date last contact or death			
Status ☐ (1. Dead , 2. Alive)			
Cause of death ☐ (1. Cancer , 2. Other , 9. Unknown)			

وزارة الصحة / سجل بيانات السرطان / العراق

ملاحظة: يرجى املء الحقول رقم (٨٠٧٠٦٠٥٠٤٠٣٠٢٠١) باللغة العربية وترك ما يقابلها لمركز التسجيل السرطاني
اسم منظم الاستشارة وتوقيعه

التاريخ: / /

الاحصائي:

الطبيب:



(A Baghdad , B Basrah ,C Babil ,D Mousl)