

Iraqi cancer Registry Center Publications :

We have many published reports & results of Iraqi Cancer Registry every year since 1976 , and we published these results :

1976 - 1985

1986 - 1988

1989 - 1991

1992- 1994

1995 - 1997

1998 - 1999

We also published results of Iraqi Cancer Registry in 2000 , 2001 , 2002 , 2003 , 2004, 2005 , 2006 , 2007 , 2008 , 2009 , 2010 , 2011 & 2012 .

Iraqi Cancer Registry Team (2012)

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-Dr. Manahil Al – mukhtar	Executive Manager of Iraqi cancer Board
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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 abstracter and date.
- 5- Follow up : patient status (alive or dead) , last contact with physician/ health care provider orif 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 CanReg 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.

Population:

The estimated population of Iraq in 2010 was (32489972) of these (16561035) were males and (15928937) were females.

Source: (Estimated Population of Iraq in 2010 by age group &gender from Ministry of Planning / Central statistical Organization) .

About (4689699) of the population is under 5 years old, and (13186118) of the population is under 15 years old. Only (938612) of the total population is above the age of 65 years old.

Table (1) show age distribution and gender of Iraqi population, in 2010.

Table (2) shows the population distribution of Iraqis by governorates which is used to calculate

Incidence rates for cancer by governorates.

Age and Gender:

A total of (18482) new cases of cancer were recorded among Iraqis in year 2010, of these(8544) cases were males with incidence rate about 51.59/100000 pop. And (9938) cases were females with incidence rate about 62.39/100000 pop..

The highest incidence rate of all newly registered male cases (607.49/100000 pop.) occurred in the age group (70)years and above, and the highest incidence rate of female cases (480.72/100000pop.) were occurred in the age group (70) years and above .

The lowest incidence rate of all newly registered male cases (8.54/100000 pop.) Occurred in age group (10-14) years while the lowest incidence rate of female cases (7.33/100000 pop.) were occurred in age group(5-9) years, as in table (4) and figure(2).

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

Foreword:

It is my pleasure to present to you the 17th annual report of the Iraqi Cancer Registry 2010, 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.

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.

Note:

**** How To Calculate Incidence Rate:**

$$1 - \text{Incidence Rate} = \frac{\text{No. of new cancer cases}}{\text{Population at risk}} \times 100000$$

$$2 - \text{Age specific incidence rate} = \frac{\text{No of new cancer of male in (age group) years of age}}{\text{No of population of male in (age group) years of age}} \times 10000$$

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 unites in each health directorates.

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

Summary :-

There is no doubt that cancer became an over whelming problem worldwide .

In Iraq as well the incidence and burden of cancer are increasing .Documentation of cancer cases helps to determine the magnitude of the problem and to provide suitable solutions.

This is the 19 th annual report of cancer incidence & epidemiology in Iraq which describes cancer cases in the year 2012 .

The total number of new cancer cases was 21101 , of them (9268) were males and (11833) were females .

The number of new cancer cases diagnosed among Iraqis has increased in the past 10 years , from (13985) in 2002 to (21101) in 2012 .

The crude incidence rate of all cancers was 62.97 per 100,000 in 2002 (62.57 for males & 63.38 for females) while the crude incidence rate of all cancers in 2012 is 61.69 per 100,000 (53.31 for males & 70.59 for females).

The top ten cancers among Iraqis (males & females) were Breast (19.50%) , Bronchus & Lung (8.73%), Leukemia (7.25%) , Non Hodgkin Lymphoma (5.86), Colorectal (5.53%), Brain & other CNS (5.45%), Urinary Bladder (5.32%) , Stomach (3.49%) , Skin (3.21%) , & Thyroid (2.75%) .

The top ten cancer types in the pediatric age group were Leukemia (34.80 %) , Brain (15.41%) , Non Hodgkin Lymphoma (12.66 %) , Kidney (6.37%), Bone (5.57%) , Hodgkin Lymphoma (5.50%) , Eye (2.89%) , soft tissues (2.68%) , Adrenal gland (2.39%) , & Liver (1.37%)

.

Annual Number of New Cases 2012

TABLE (1)
Population of Iraq By Age Group and Gender (2012)

Age Group	Males	Females	Total
0 - 4	2471853	2365695	4837548
5 - 9	2387938	2192043	4579981
10-14	2195162	2024941	4220103
15-19	1910014	1800966	3710980
20-24	1663333	1551925	3215258
25-29	1389099	1282305	2671404
30-34	1136500	1129203	2265703
35-39	986549	1026864	2013413
40-44	917719	884658	1802377
45-49	711521	738741	1450262
50-54	470851	522486	993337
55-59	370318	403572	773890
60-64	324953	358341	683294
65-69	180927	205681	386608
70 +	302987	300103	603090
Total	17419724	16787524	34207248

Source:
Estimated Population of IRAQ in (2012) by Age Group and Gender
from Ministry of Planning / Central Statistical Organization

TABLE (2)
Population of Iraq By Provinces (2012)

Provinces	Population
Baghdad	7255278
Ninevah	3353875
Kirkuk	1432747
Al-Anbar	1598822
Salah-Alden	1441266
Dyala	1477684
Kerbalaa	1094281
Al-Najaf	1319608
Babil	1864124
Wasit	1240935
Misan	997410
Al-Diwanyia	1162485
Thi-Qar	1883160
Al-Basrah	2601790
Al-Muthana	735905
Al-Sulaimania	1931561
Duhok	1158633
Erbil	1657684
TOTAL	34207248

Source:

Estimated Population of IRAQ in (2012) by Provinces
From Ministry of Planning / Central Statistical Organization.

Table (3)

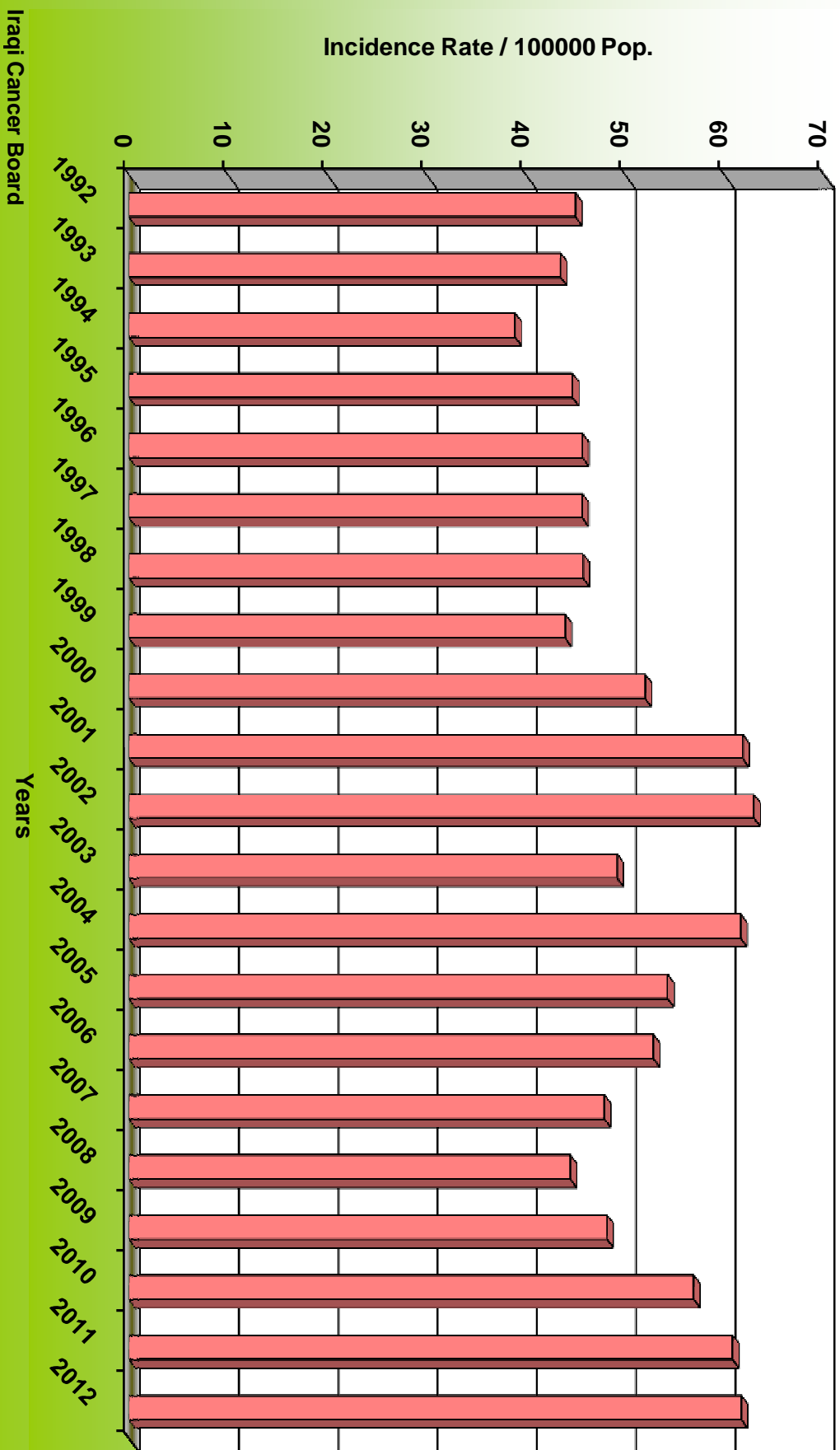
**The Annual Number of New Cancer Cases
In Iraq (1992-2012)**

years	No. of new cases Registered	Male		Female		Registered Cases /10 ⁵ pop
		No.	%	No.	%	
1992	8526	4735	55.54	3791	44.46	44.99
1993	8471	4632	54.68	3839	45.32	43.49
1994	7785	4230	54.34	3555	45.66	38.91
1995	7948	4344	54.66	3604	45.34	44.69
1996	8360	4466	53.42	3894	46.58	45.69
1997	8592	4521	52.62	4071	47.38	45.67
1998	9033	4774	52.85	4259	47.15	45.74
1999	8936	4556	50.98	4380	49.02	43.95
2000	10888	5376	49.38	5512	50.63	52.00
2001	13332	6758	50.69	6574	49.31	61.83
2002	13985	6964	49.80	7021	50.20	62.97
2003	11248	5698	50.66	5550	49.34	49.17
2004	14520	7525	51.83	6995	48.17	61.63
2005	15172	7505	49.47	7667	50.53	54.26
2006	15226	7377	48.45	7849	51.54	52.84
2007	14213	6656	46.83	7557	53.16	47.88
2008	14180	6589	46.47	7591	53.53	44.46
2009	15251	7201	47.22	8050	52.78	48.16
2010	18482	8544	46.23	9938	53.77	56.89
2011	20278	9352	46.12	10926	53.88	60.82
2012	21101	9268	43.92	11833	56.08	61.69
Total	265527	134196	49.36	134456	50.64	-----

From (1992 till 1994) From ,2005-2011and2012 Included Kurdistan Region
From (1995 till 2004) without Kurdistan Region

Figure (1)

The Incidence Rate Of Cancer Cases in Iraq 1992 - 2012



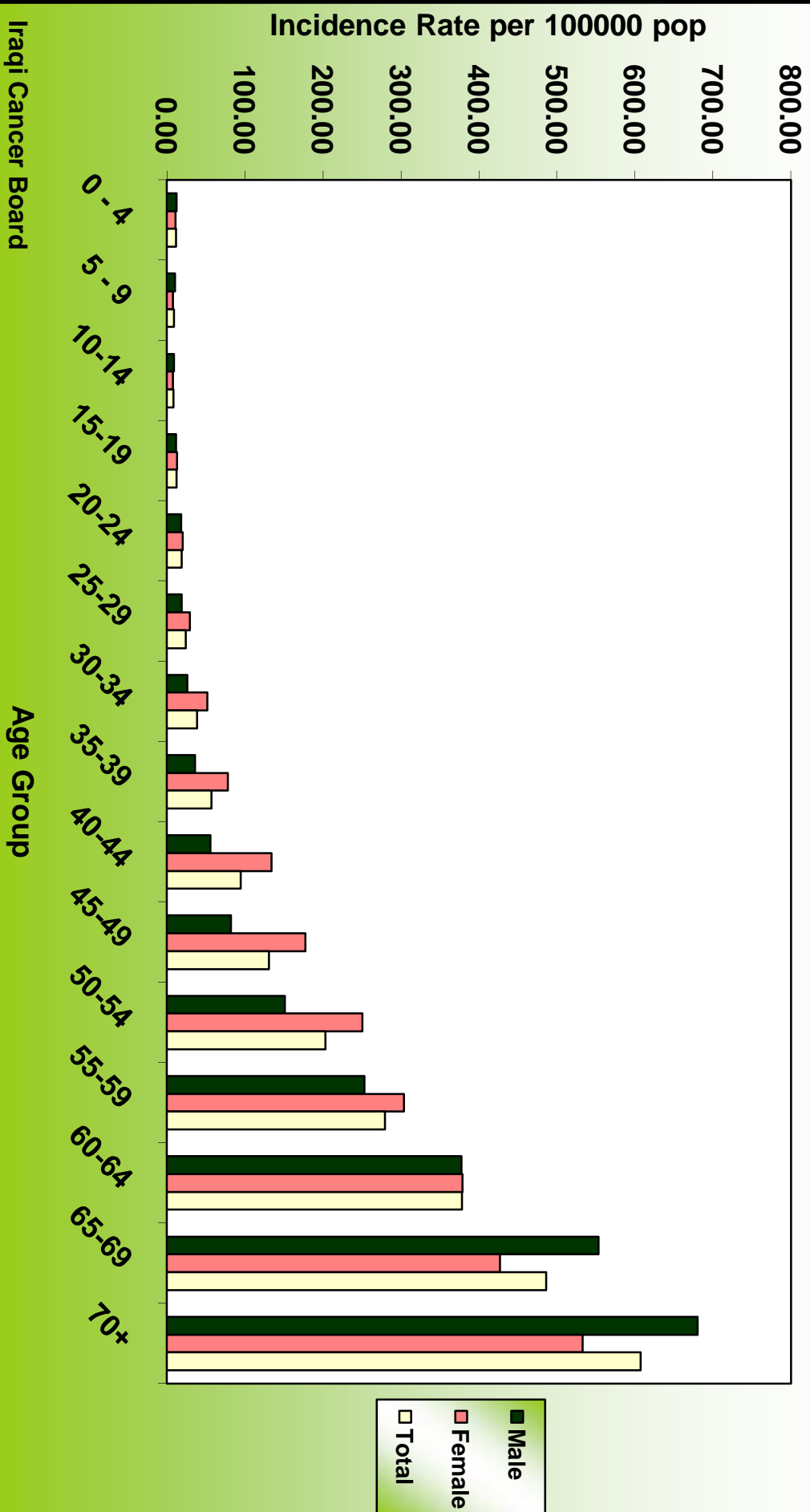
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Table (4)**Cancer Age-Specific Incidence Rate (ASIR) per 100.000 Populations;
by Gender –Iraq 2012**

Age Group	Males		Females		Total	
	No. of Cases	Incidence Rate	No. of Cases	Incidence Rate	No. of Cases	Incidence Rate
0 - 4	310	12.54	269	11.37	579	11.97
5 - 9	255	10.68	178	8.12	433	9.45
10 - 14	206	9.38	166	8.20	372	8.81
15 - 19	231	12.09	240	13.33	471	12.69
20 - 24	302	18.16	317	20.43	619	19.25
25 - 29	265	19.08	378	29.48	643	24.07
30 - 34	299	26.31	585	51.81	884	39.02
35 - 39	357	36.19	801	78.00	1158	57.51
40 - 44	512	55.79	1190	134.52	1702	94.43
45 - 49	584	82.08	1314	177.87	1898	130.87
50 - 54	711	151.00	1309	250.53	2020	203.35
55 - 59	937	253.03	1227	304.03	2164	279.63
60 - 64	1227	377.59	1359	379.25	2586	378.46
65 - 69	1001	553.26	878	426.87	1879	486.02
70+	2061	680.23	1600	533.15	3661	607.04
unknown	10	—	22	—	32	—
ALL	9268	53.20	11833	70.49	21101	61.69

Figure (2)

Age Specific Rate of Cancer by Gender / Iraq 2012



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Age Group

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

Table (5)
The Commonest Ten Cancers by Site / IRAQ / 2012

PRIMARY SITE	NO. OF CASES	MALE	FEMALE	% OF TOTAL	REGISTERED CASES /105 POP.
1- Breast	4115	91	4024	19.50	12.03
2- Bronchus and Lung	1842	1326	516	8.73	5.38
3- Leukemia*	1530	847	683	7.25	4.47
4 Non –Hodgkin Lymphomas**	1236	695	541	5.86	3.61
5- Colorectal	1166	621	545	5.53	3.41
6- Brain and Other CNS ***	1151	567	584	5.45	3.36
7- Urinary Bladder	1123	843	280	5.32	3.28
8- Stomach	737	417	320	3.49	2.15
9- Skin	677	361	316	3.21	1.98
10- Thyroid	580	134	446	2.75	1.70
Total Ten	14151	5896	8255	67.06	41.36
All Sites	21101	9268	11833	100.00	61.69

Estimated Population In Iraq (2012): (34207248)

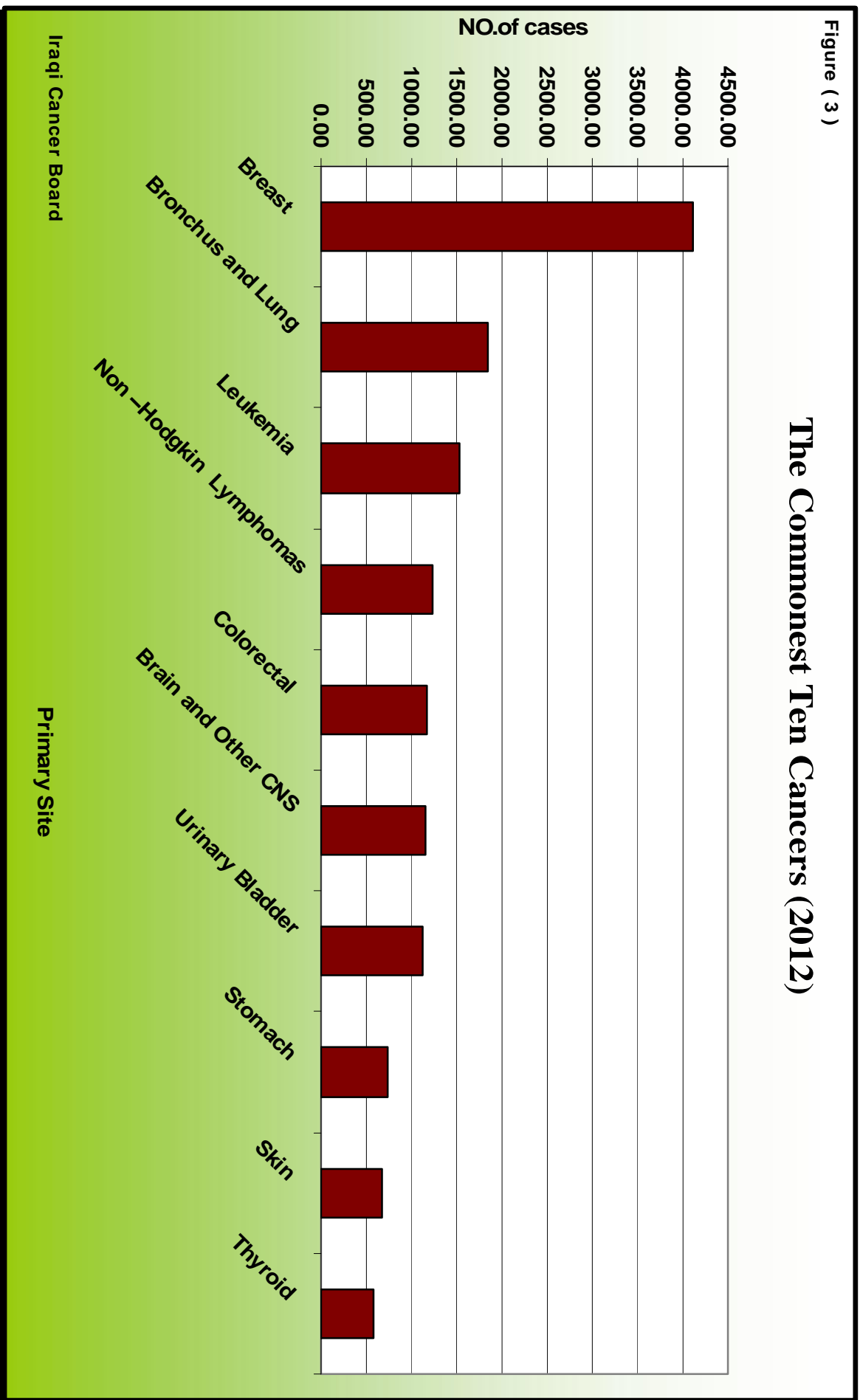
* Leukemia Includes
 Acute Leukemia **
 Chronic Leukemia
 Lymphoid Leukemia
 Myeloid Leukemia
 Other Leukemias

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

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

Figure (3)

The Commonest Ten Cancers (2012)



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Primary Site

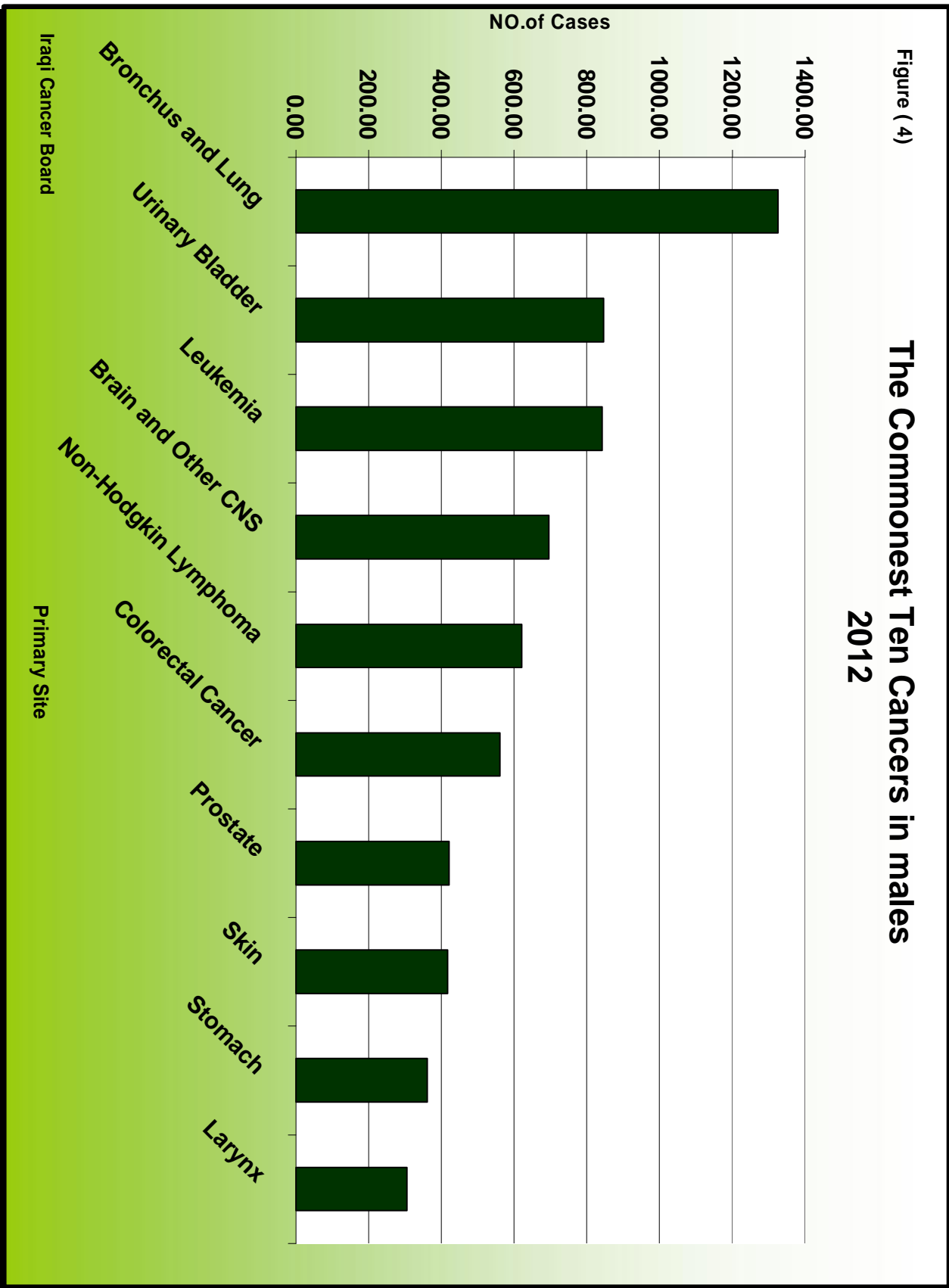
Table (6)
The Commonest Ten Cancers by Site in Males / IRAQ / 2012

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10⁵ POP.
1- Bronchus and Lung	1326	14.28	7.61
2- Leukemia	847	9.12	4.86
3 Urinary Bladder -	843	9.08	4.84
4- Non-Hodgkin Lymphoma	695	7.48	3.99
5- Colorectal Cancer	621	6.69	3.56
6- Brain and Other CNS	567	6.04	3.22
7- Prostate	421	4.53	2.42
8- Stomach	417	4.49	2.39
9- Skin	361	3.89	2.07
10- Larynx	305	3.28	1.75
Total Ten	6403	68.89	36.72
All Sites	9268	100.00	53.31

Estimated Male Population in Iraq 2012: (17419724)

Figure (4)

The Commonest Ten Cancers in males 2012



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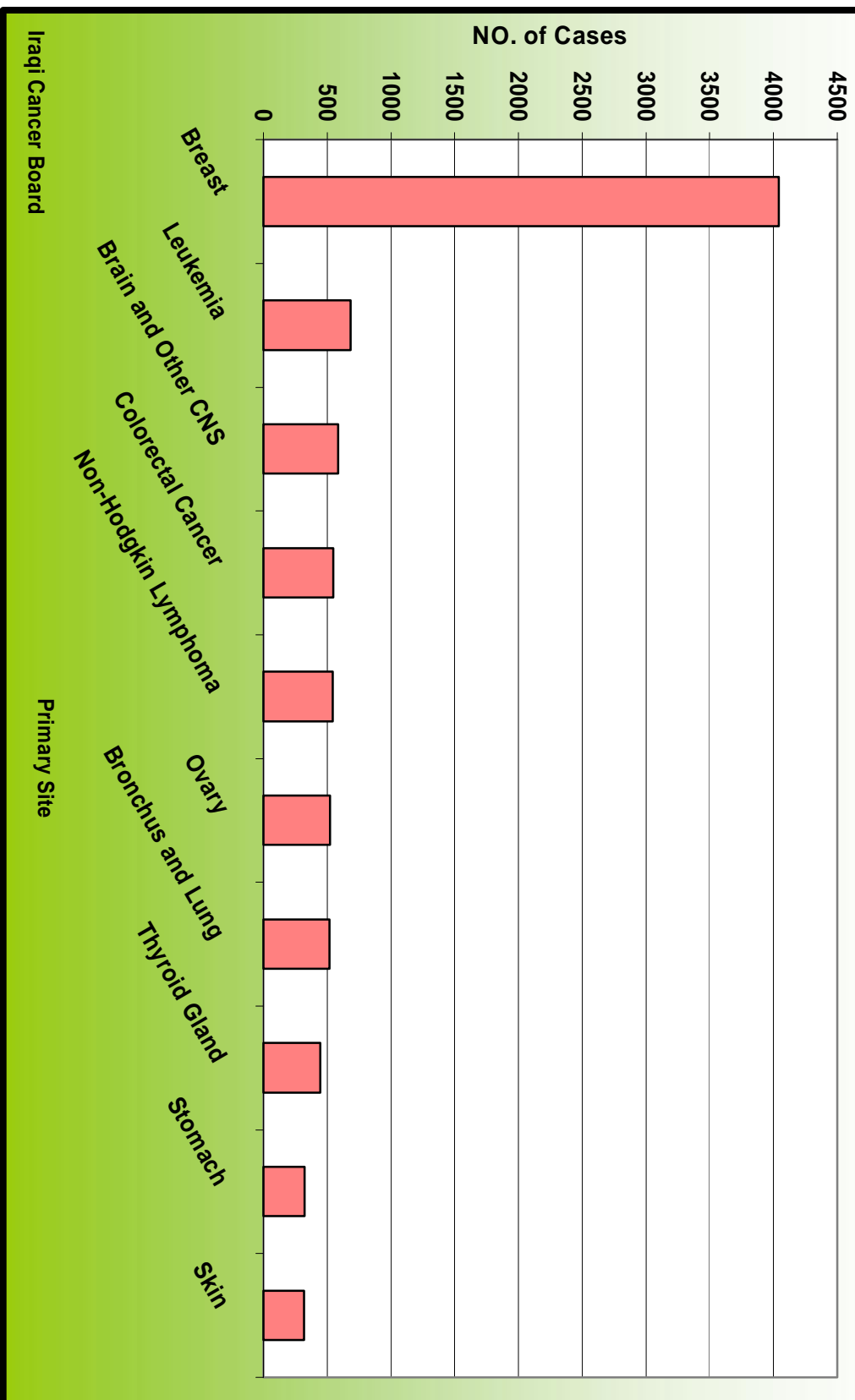
Primary Site

Table (7)
The Commonest Ten Cancers by Site in females / IRAQ /
2012

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10⁵ POP.
1-Breast	4024	33.95	23.97
2- Leukemia	683	5.76	4.07
3- Brain and Other CNS	584	4.93	3.48
4- Colorectal Cancer	545	4.60	3.25
5- Non-Hodgkin Lymphoma	541	4.57	3.22
6- Ovary	519	4.38	3.09
7- Bronchus and Lung	516	4.35	3.07
8- Thyroid Gland	446	3.76	2.66
9- Stomach	320	2.70	1.91
10- Skin	316	2.67	1.88
Total Ten	8494	71.83	50.60
All Sites	11851	100.00	70.59

Estimated Female Population in Iraq 2012: (16787524)

Figure (5)
**The Commonest Ten Cancers in females
2012**



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Primary Site

Table (8)
Age Specific Incidence Rate for Top Ten Cancers
Iraq - 2012

Top Ten	Sex	0-4	5-9	10-14	15-19	20-4	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70+
Breast	M					0.06		0.09	0.41	1.85	0.98	2.34	3.78	3.69	3.87	5.28
	F				0.06	1.68	5.93	17.98	34.57	68.95	91.64	111.39	119.19	118.88	122.52	110.96
Bronchus & Lung	M					0.72	0.50	1.06	1.42	3.60	7.03	21.88	47.26	80.32	127.68	140.60
	F				0.06	0.26	0.156	0.44	1.46	2.03	4.33	9.19	14.62	24.84	35.01	56.65
Leukemia	M	4.57	3.56	3.28	3.19	4.03	2.38	2.55	2.94	3.92	5.90	9.77	13.23	17.54	27.64	25.41
	F	4.31	2.51	2.67	2.22	2.19	1.95	3.45	3.90	4.07	5.41	9.57	6.69	13.95	11.67	22.33
N. H. Lymphoma	M	1.62	1.59	1.50	1.62	1.74	2.45	2.11	3.75	5.23	7.45	11.47	21.06	20.00	22.66	29.37
	F	1.23	1.28	0.35	1.17	1.42	1.64	2.13	2.43	4.86	5.82	7.08	15.61	18.42	19.93	22.99
Colorectal	M					1.08	1.66	2.11	4.05	3.60	10.12	15.50	18.90	27.08	37.03	36.97
	F	0.042			0.11	0.90	0.94	1.59	3.60	5.09	7.99	11.87	17.10	18.14	26.25	35.32
Brain & Other CNS	M	1.74	2.01	1.41	1.62	1.32	2.02	2.29	3.75	5.56	6.18	8.50	11.07	15.08	16.58	15.18
	F	1.35	1.41	1.38	1.55	1.42	2.18	3.72	4.09	6.33	5.55	10.34	13.13	12.00	15.07	16.33
Urinary Bladder	M	0.08	0.17	0.091	0.052	0.30	0.29	0.44	2.53	4.14	5.76	13.80	25.38	45.55	66.33	95.05
	F					0.32	0.156	0.35	0.78	1.24	1.62	3.25	7.43	16.46	20.42	29.32
Stomach	M				0.16	0.06	0.36	1.23	2.64	4.36	3.65	7.01	13.23	17.85	37.03	31.35
	F					0.19	0.78	1.24	1.27	3.50	5.14	7.08	6.94	13.40	13.13	23.66
Skin	M	0.12	0.084	0.18	0.26	0.54	0.72	0.62	1.42	1.85	2.95	7.86	9.45	14.77	21.56	36.31
	F	0.08	0.05		0.17	0.52	0.70	1.15	0.78	1.92	3.38	5.17	8.67	12.84	14.10	30.66
Thyroid	M		0.04	0.05	0.10	0.48	0.65	2.20	1.11	2.18	2.11	1.27	3.24	1.85	2.76	4.29
	F		0.05	0.25	0.78	2.06	3.90	5.14	4.87	6.44	5.55	7.46	6.44	7.53	5.35	11.66

Breast Cancer (C50):

There were (3540) cases of breast cancer in both genders accounting for 19.15% of all newly diagnosed cancer cases. Of them (3464) cases were among females and (76) cases among males.

It is the most common cancer in Iraq, it ranks the first in all the years from 1986 -2010. .It is also the most common cancer among females with incidence rate about (21.75) per 100,000 female population in2010, compared to (16.65) per 100,000 female population in 2008.

Age specific incidence rate of breast cancer about 114.79/100000 female pop. were in the age group(50-54) years , followed by 108.42/100000 female pop. were in the age group between (65-69) years, while the highest incidence rate 99.23/100,000 female pop. was found in the age-group(45-49)years , followed by 92.26 /100,000 female pop .in the age group(60-64) years in 2009.

Histopathological distribution of female breast cancers showed that 58.56% % were infiltrating duct carcinoma ,6. 47% Intraductal papillary adenocarcinoma, 3.79% were lobularcarcinoma ,adeno carcinoma 2.40 % , and the remaining were other types of morphology as shown in table(51) .

Lung and Bronchus Cancer (C34):

There were (1598) cases of lung cancer accounting for (8.65%) of all newly diagnosed cancer cases in 2010. Lung cancer affected(1194) with (13.97 %) males and(404) with (4.07%) females.

It ranked the second commonest cancer after breast with incidence rate about 4.92 /100,000 population, but it is the first cancer among males with incidence rate about 7.21 /100,000 population ,like the incidence rate in 2009 which is about 7.23/100,000 population.

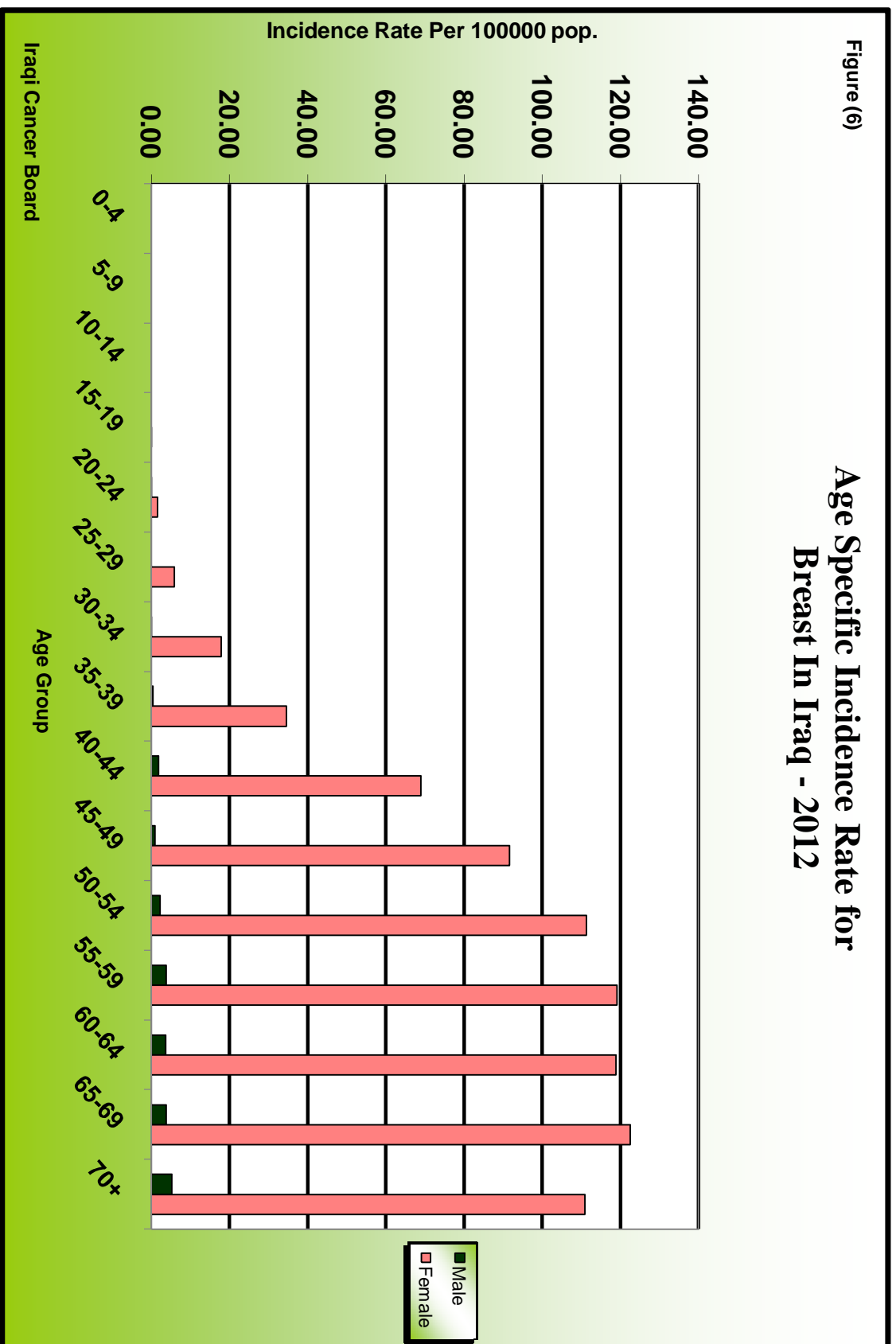
The highest Age-Specific Incidence Rate in males was observed in the age group(65-69) years in2010 which is about 129.28/ 100,000 population, followed by the age group 70 years and above which is about 117.03/ 100,000population .

while the highest Age Specific Incidence Rate in females was observed in the age group 70 years and above in 2010 which is about 44.54/ 100,000 population followed by the age group (65-69) years which is about 33.07/ 100,000population . .

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 about25.47% , adenocarcinoma constitute about 10.45% , Bronchiolo-alveolar adenocarcinoma constitute about 7.01%, and small cell carcinoma accounted about 6.88% .

Figure (6)

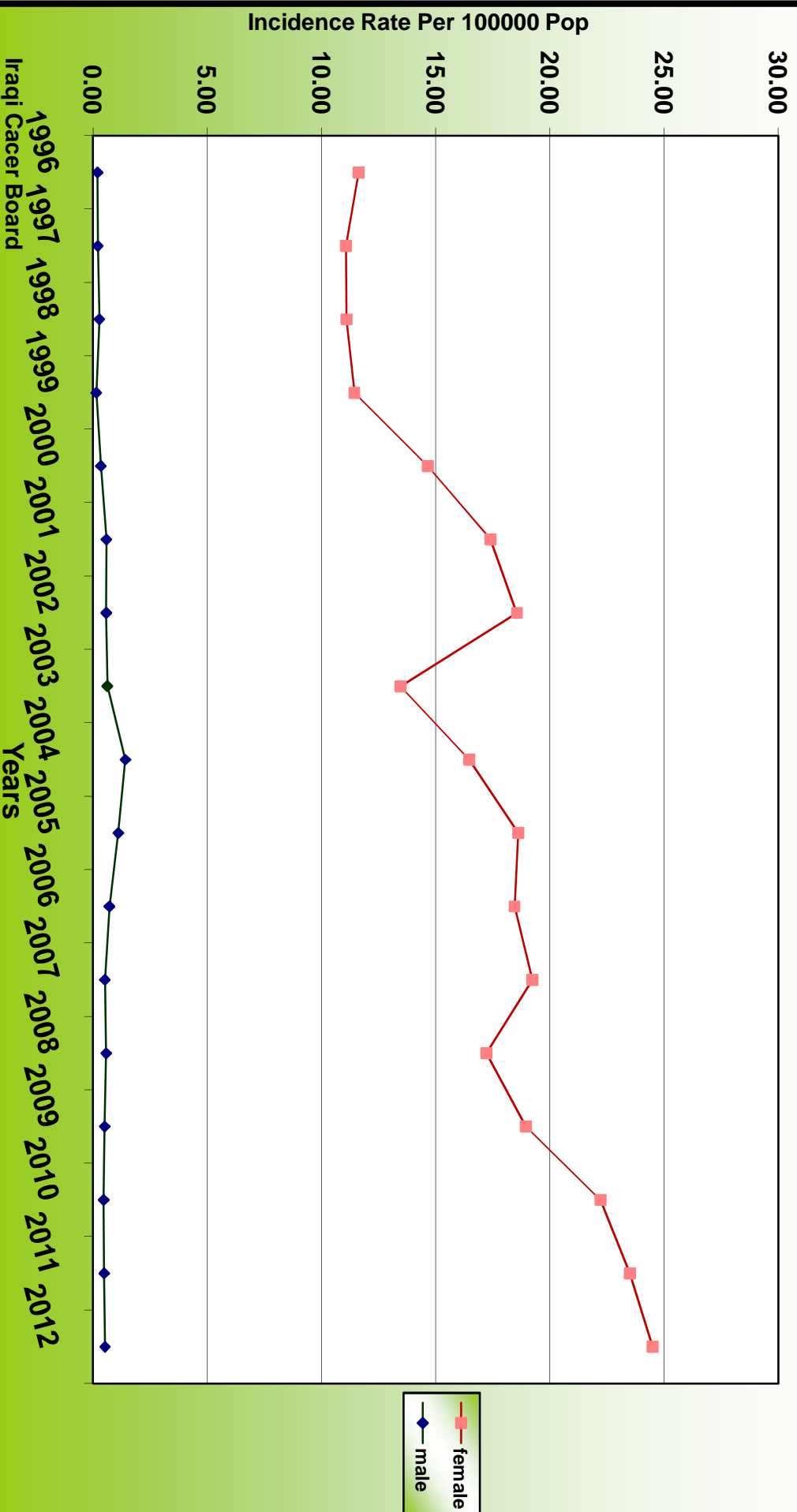
Age Specific Incidence Rate for Breast In Iraq - 2012



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Figure(7)

Incidence Rate of Breast Cancer by Gender in Iraq 1996-2012



1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012

1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012

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Years

female
male

Table (9)
Distribution OF Breast Cancer According to Age group in (2000-2012) in Iraq

Age group	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
0-4	0	1	1	1	1	1	0	1	0	0	0	0	0
5-9	0	1	2	0	2	1	0	1	1	0	0	0	0
10-14	0	0	0	1	0	0	2	1	1	0	0	0	0
15-19	2	5	3	2	3	10	6	1	1	4	0	0	1
20-24	16	14	11	11	14	12	21	17	15	18	26	30	27
25-29	58	66	48	28	55	58	57	64	78	54	71	79	76
30-34	147	121	159	113	147	158	142	142	147	158	171	184	204
35-39	216	244	273	196	253	279	280	340	286	299	369	373	359
40-44	251	334	368	273	351	380	400	442	406	509	526	591	627
45-49	269	386	390	288	365	378	417	440	438	498	576	602	684
50-54	263	345	387	315	364	443	455	462	440	448	511	526	593
55-59	145	201	202	136	217	272	276	286	322	345	406	483	495
60-64	166	175	216	178	192	246	224	270	265	272	316	411	438
65-69	83	107	107	81	117	148	154	140	144	170	200	222	259
70+	98	122	169	111	117	177	171	196	176	208	289	340	349
unknown	51	32	30	33	27	27	37	32	9	4	3	4	3

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 ,2010,2011& in 2012 while in the years 2003,2005,2006,2007 &2008 the highest age group affected is (50-54) years of age. In the year2009 the highest age group affected is (40-44)years of age.

Figure (8)

Age Specific Incidence Rate for Bronchus & Lung In Iraq - 2012

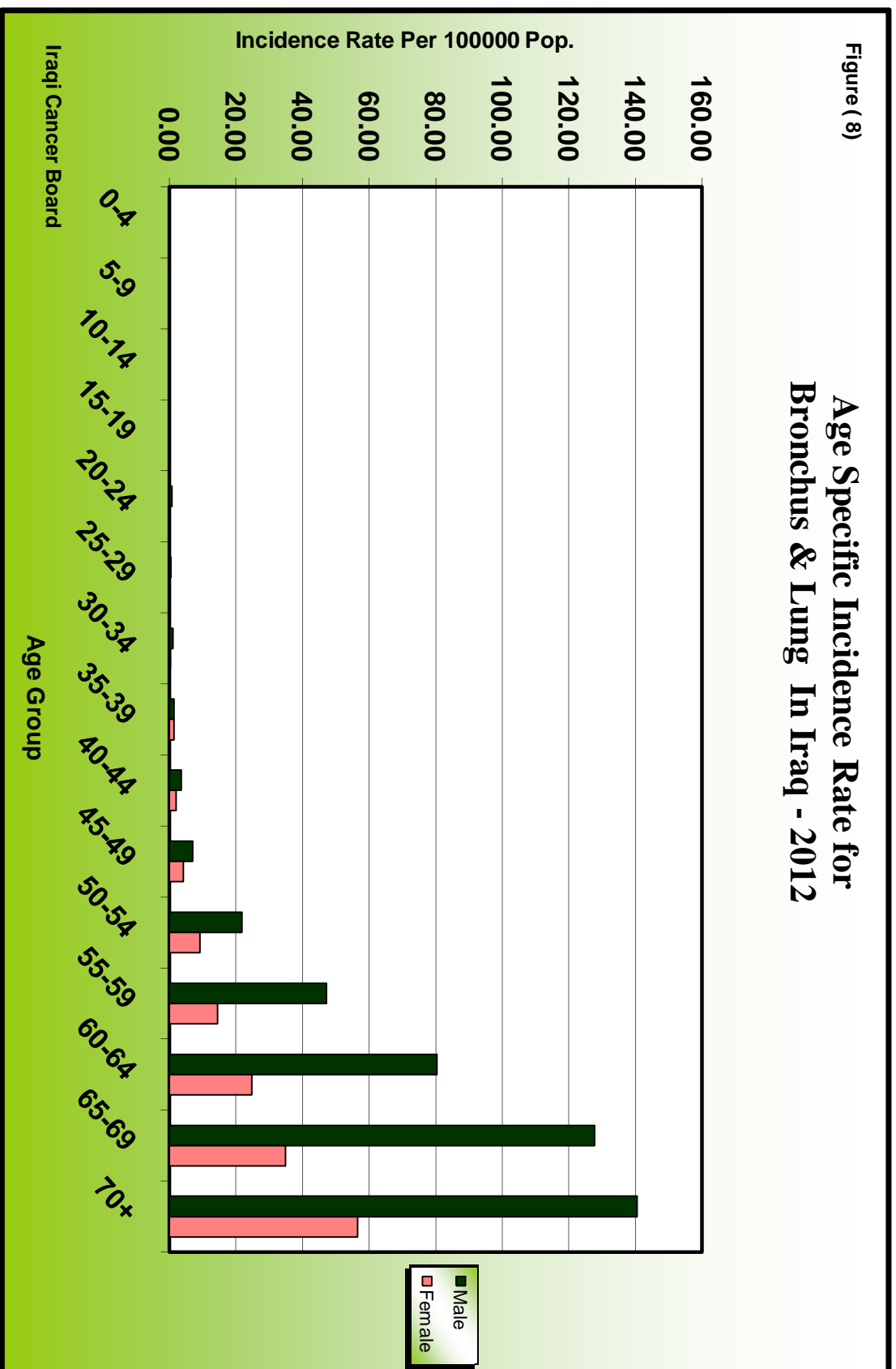


Figure (9)

Age Specific Incidence Rate for Leukemia in Iraq - 2012

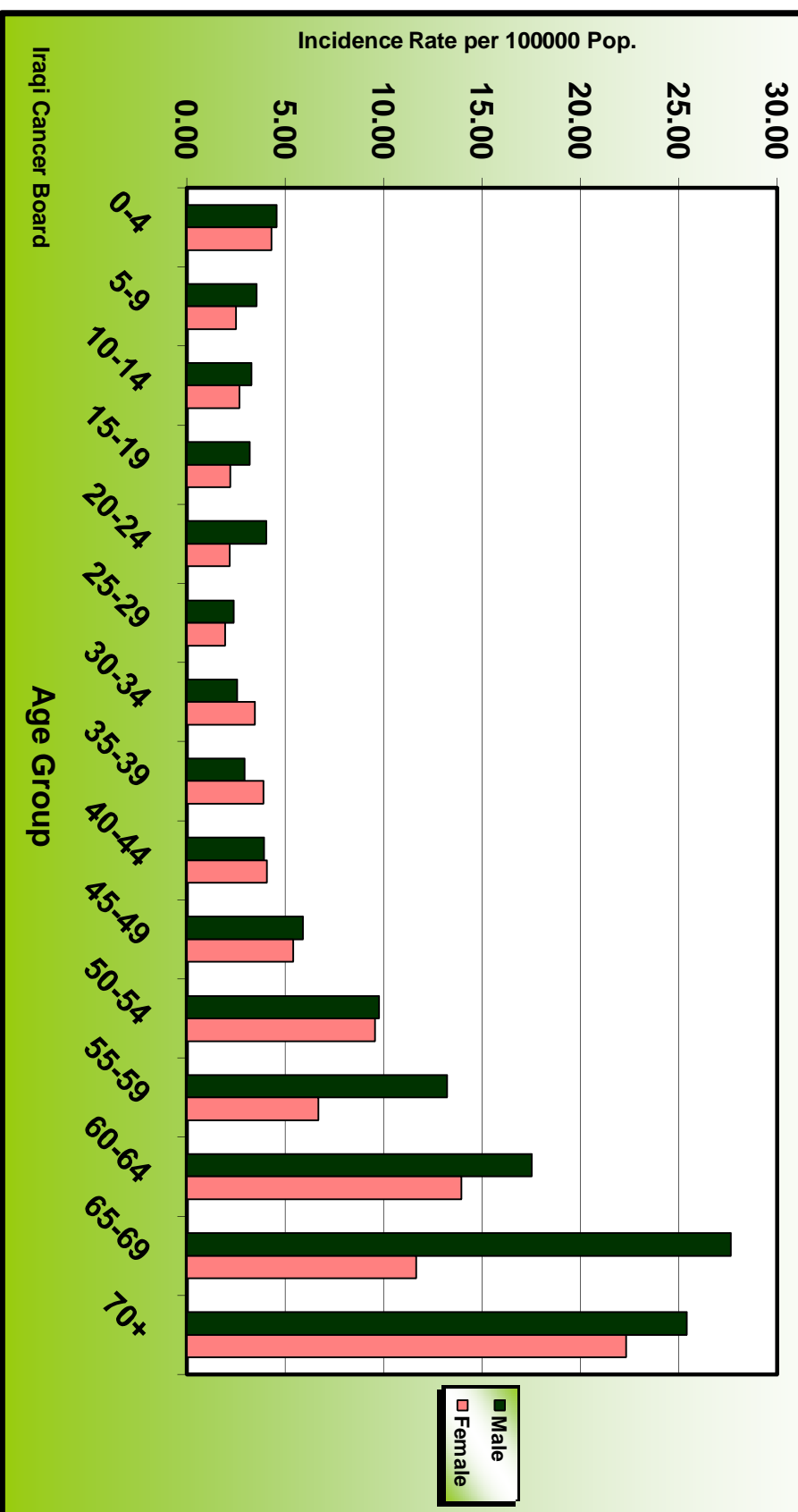


Figure (10)

Age Specific Incidence Rate for Non-Hodgkin Lymphomas In Iraq - 2012

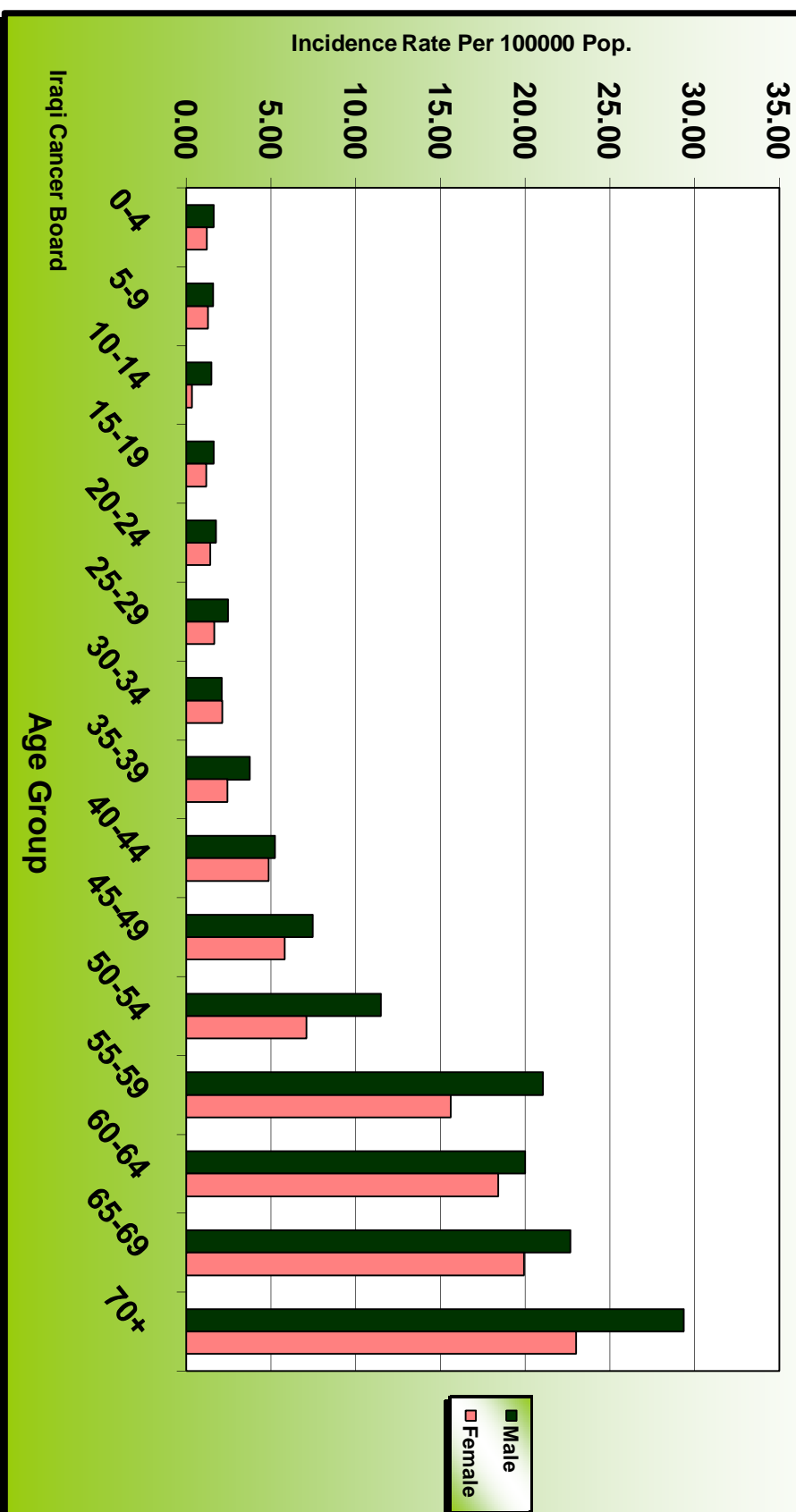


Figure (11)

Age Spicific Incidence Rate For Colorectal In Iraq - 2012

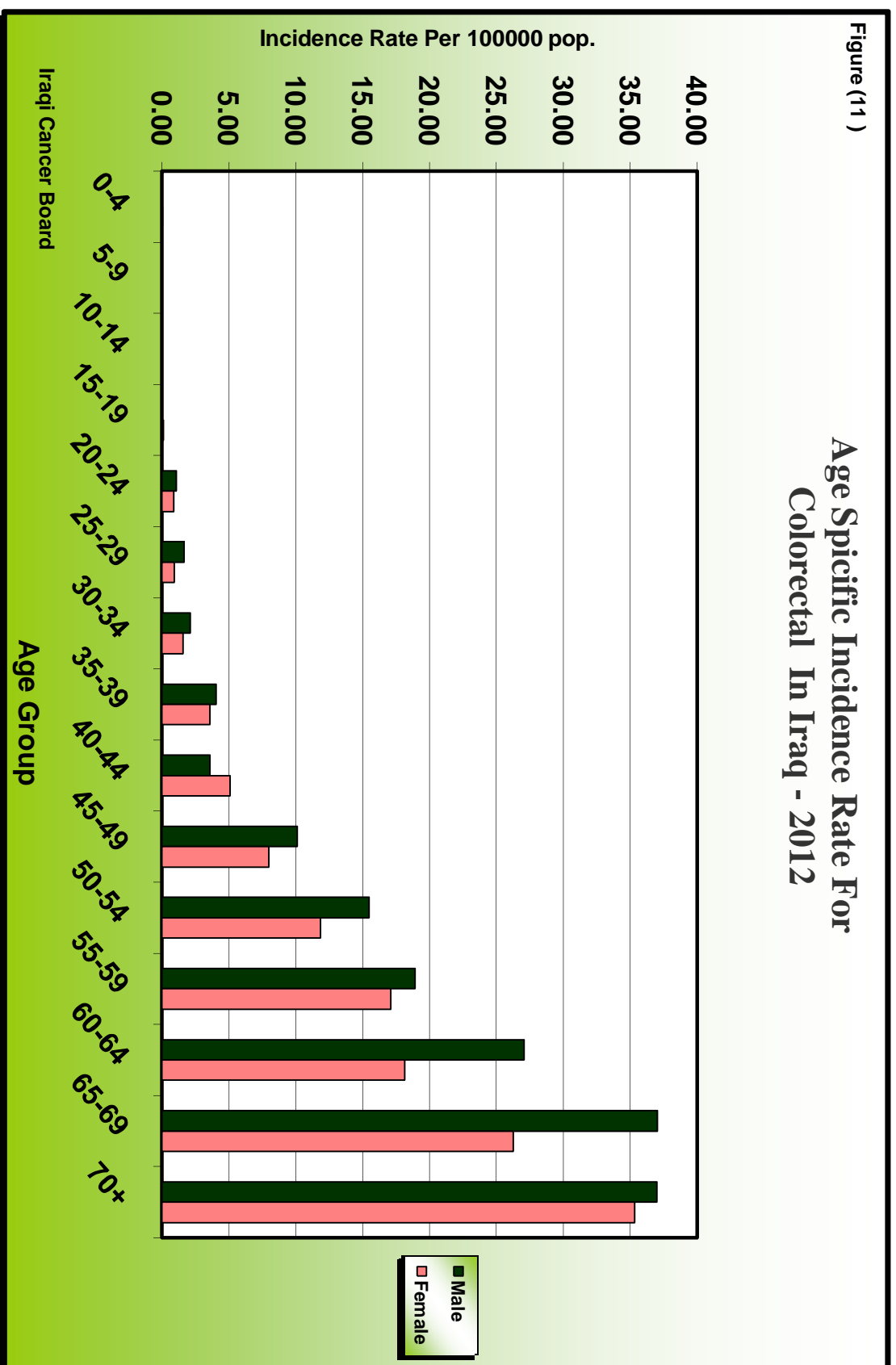


Figure (12)

Age Specific Incidence Rate for Brain and Other CNS In Iraq - 2012

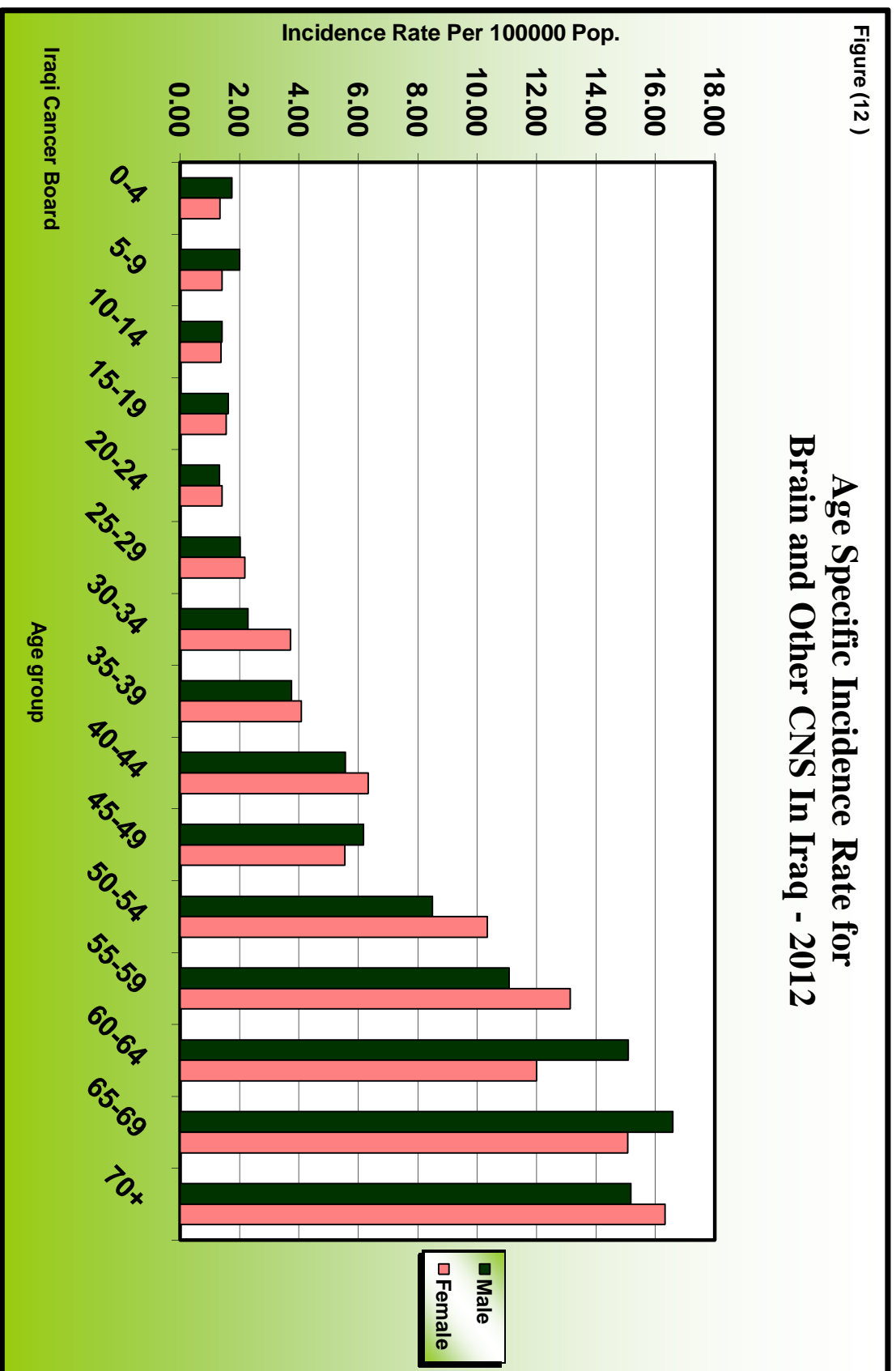


Figure (13)

Age Specific Incidence Rate for Urinary Bladder In Iraq - 2012

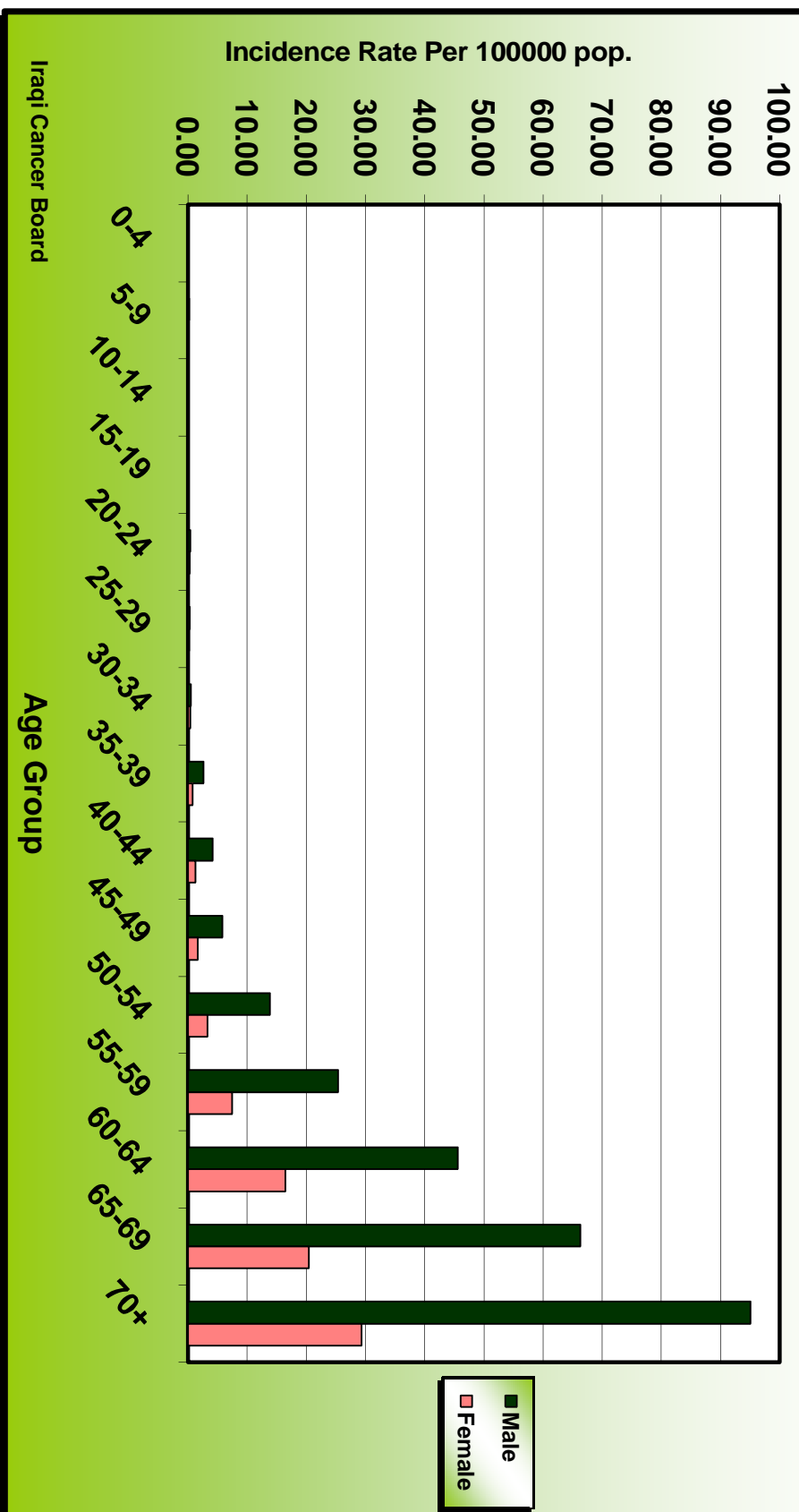


Figure (14)

Age Specific Incidence Rate for Stomach In Iraq - 2012

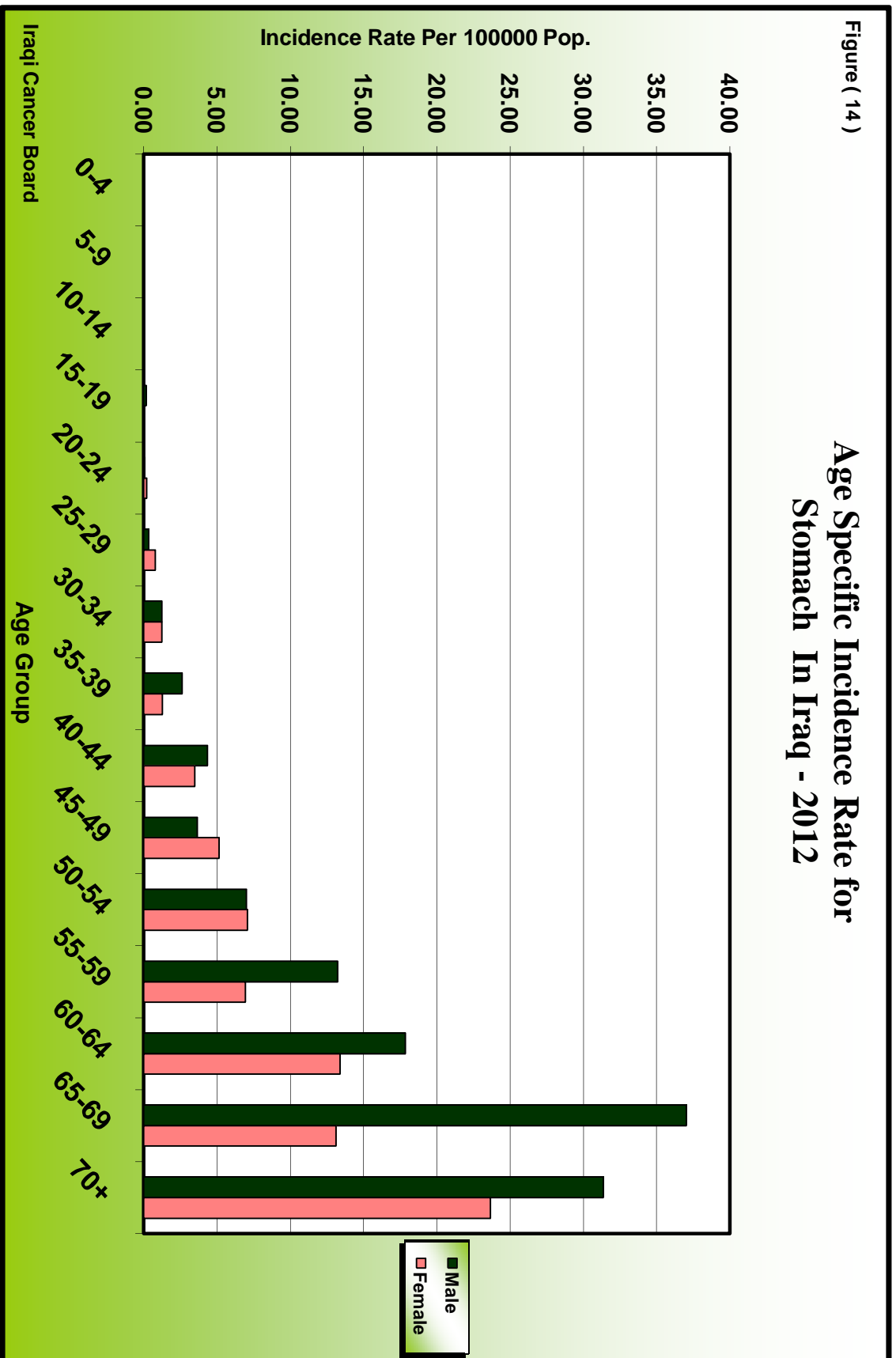
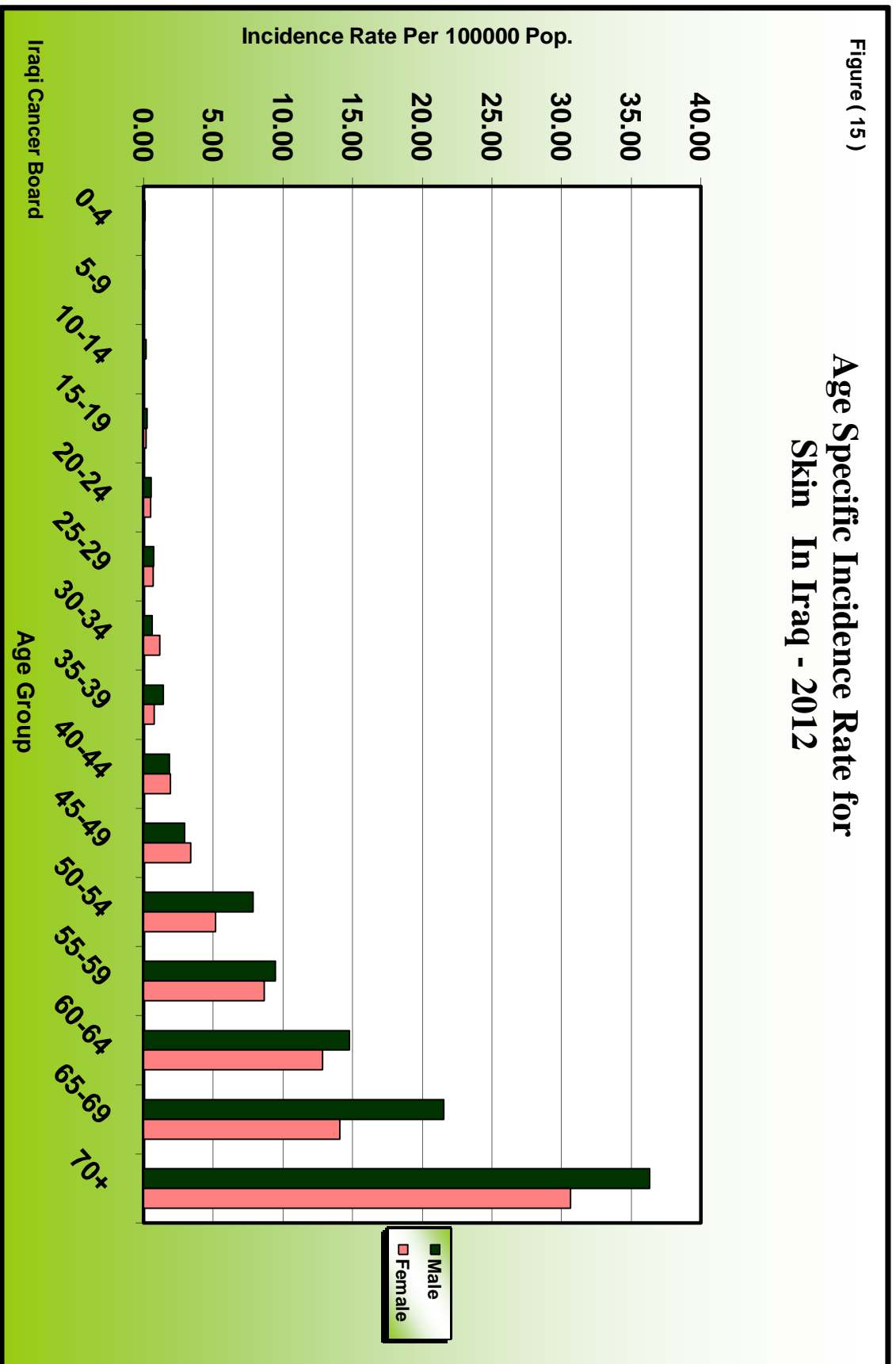


Figure (15)

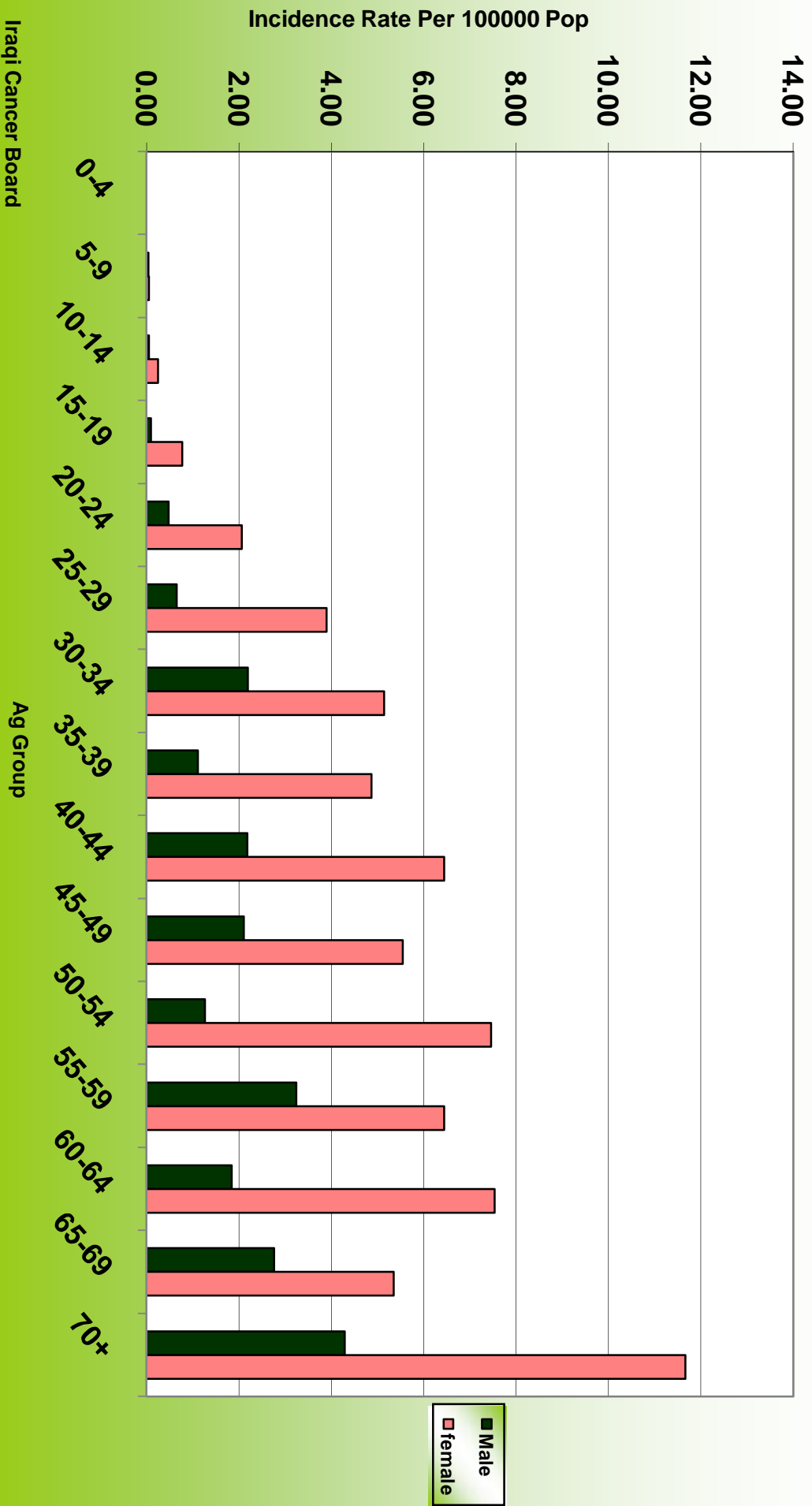
Age Specific Incidence Rate for Skin In Iraq - 2012



Iraqi Cancer Board

Figure (16)

Age Specific Incidence Rate for Thyroid In Iraq - 2012



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

Table (10)

The Crude Incidence Rates / 100,000 Population of Malignant Tumors (2012)

Site	ICD-O	Total	Male	Female	% of Total	registered Cases /10 ⁵ pop
Lip	C00	31	20	11	0.15	0.09
Tongue, base	C01	8	5	3	0.04	0.02
Tongue, other	C02	61	28	33	0.29	0.18
Gum	C03	7	3	4	0.03	0.02
Mouth, floor	C04	20	14	6	0.09	0.06
Mouth, palate	C05	7	3	4	0.03	0.02
Mouth, other	C06	30	14	16	0.14	0.09
Parotid gland	C07	44	26	18	0.21	0.13
Salivary glands, other	C08	34	16	18	0.16	0.10
Tonsil	C09	13	4	9	0.06	0.04
Oropharynx	C10	13	6	7	0.06	0.04
Nasopharynx	C11	139	92	47	0.66	0.41
Pyiform sinus	C12	10	3	7	0.05	0.03
Hypopharynx	C13	28	8	20	0.13	0.08
Other Lip, Oral, Pharynx	C14	23	10	13	0.11	0.07
Oesophagus	C15	127	76	51	0.60	0.37
Stomach	C16	737	417	320	3.49	2.15
Small intestine	C17	84	38	46	0.40	0.25
Colon	C18	749	399	350	3.55	2.19
Rectosigmoid junction	C19	47	21	26	0.22	0.14
Rectum	C20	340	183	157	1.61	0.99
Anus & anal canal	C21	30	18	12	0.14	0.09
Liver & bile ducts	C22	457	235	222	2.17	1.34
Gallbladder	C23	97	33	64	0.46	0.28
Biliary tract, other	C24	65	40	25	0.31	0.19
Pancreas	C25	511	288	223	2.42	1.49
Other digestive organs	C26	32	18	14	0.15	0.09
Nasal cavity, middle ear	C30	29	17	12	0.14	0.08
Accessory sinuses	C31	22	14	8	0.10	0.06
Larynx	C32	410	305	105	1.94	1.20
Trachea	C33	3	2	1	0.01	0.01
Bronchus & lung	C34	1842	1326	516	8.73	5.38
Thymus	C37	17	12	5	0.08	0.05
Heart, mediast. pleura	C38	59	30	29	0.28	0.17
Other respir. & thoracic	C39	7	6	1	0.03	0.02
Bone & cartilage, limbs	C40	122	59	63	0.58	0.36

Bone & cartilage, other	C41	194	104	90	0.92	0.57
Bon Marrow (for leukemia, see below)	C42	0	0	0	0	0
Skin, other	C44	677	361	316	3.21	1.98
Nerves, peripheral & ANS	C47	7	3	4	0.03	0.02
Peritoneum & Retroperit.	C48	38	16	22	0.18	0.11
Other connect./soft tiss	C49	286	154	132	1.36	0.84
Breast	C50	4115	91	4024	19.50	12.03
Vulva	C51	19	0	19	0.09	0.06
Vagina	C52	13	0	13	0.06	0.04
Cervix uteri	C53	192	0	192	0.91	0.56
Corpus uteri	C54	181	0	181	0.86	0.53
Uterus unspecified	C55	266	0	266	1.26	0.78
Ovary	C56	519	0	519	2.46	1.52
Female genital, other	C57	6	0	6	0.03	0.02
Placenta	C58	126	0	126	0.60	0.37
Penis	C60	2	2	0	0.01	0.01
Prostate	C61	421	421	0	2.00	1.23
Testis	C62	128	128	0	0.61	0.37
Male genital, other	C63	4	4	0	0.02	0.01
Kidney, not renal pelvis	C64	456	261	195	2.16	1.33
Renal pelvis	C65	6	1	5	0.03	0.02
Ureter	C66	3	2	1	0.01	0.01
Bladder	C67	1123	843	280	5.32	3.28
Urinary organs, other	C68	5	3	2	0.02	0.01
Eye & adnexa	C69	65	28	37	0.31	0.19
Meninges	C70	119	25	94	0.56	0.35
Brain	C71	932	480	452	4.42	2.72
Nervous system, other	C72	64	41	23	0.30	0.19
Thyroid gland	C73	580	134	446	2.75	1.70
Adrenal gland	C74	66	33	33	0.31	0.19
Endocrine glands, other	C75	42	23	19	0.20	0.12
Unspecified sites	C76	112	54	58	0.53	0.33
Lymph Nodes¹	C77		0	0		
Unknown primary site	C80	591	294	297	2.80	1.73

Malignant Tumors Sorted By Morphology

Non-Hodgkin, lymphomas²		1236	695	541	5.86	3.61
Hodgkin disease³		451	294	179	2.14	1.32
Plasma Cell Tumor		179	112	67	0.85	0.52
Mast Cell Tumor		0	0	0	0.00	0.00
Immunoproliferative Diseases		1	1	0	0.00	0.00
Leukaemia⁴		1530	847	683	7.25	4.47
Chronic Myeloproliferative Disorders		26	13	13	0.12	0.08
Myelodysplastic Syndromes		65	33	32	0.31	0.19
Total		21101	9268	11833	100.00	61.69

- (1) Malignant Tumors Included Here are those Other than Hodgkin's Disease and NHL.
- (2) All NHL cases, Nodal & Extra nodal.
- (3) All Hodgkin's Cases included Under this Category.
- (4) Includes All Categories of Leukemia .

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

Baghdad

Population : 7,255,278

Cases Number :6197

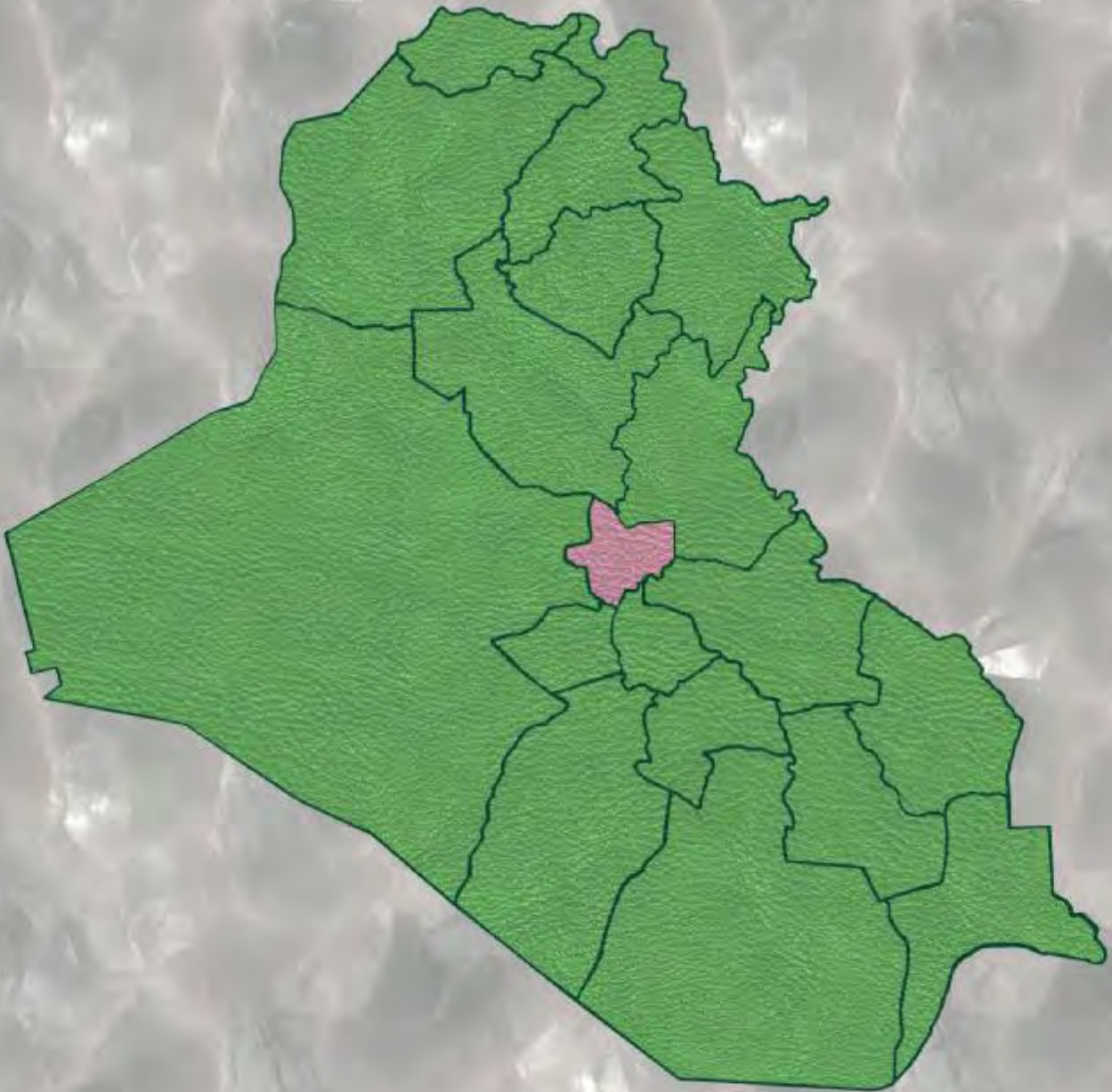


Table (11)

**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 /10⁵ POP.
1-BREAST	1398	22.56	19.27
2- BRONCHUS & LUNG	500	8.07	6.89
3-COLORECTAL	375	6.05	5.17
4-LEUKEMIA	349	5.63	4.81
5- BRAIN & OTHER CNS	340	5.49	4.69
6-NON-HODGKIN LYMPHOMA	320	5.16	4.41
7-URINARY BLADDER	271	4.37	3.74
8-STOMACH	251	4.05	3.46
9-LIVER	191	3.08	2.63
10-THYROID	187	3.02	2.58
TOTAL TEN	4182	67.48	57.64
ALL SITES	6197	100.00	85.41

Population of *Baghdad* Governorate in 2012(7255278)

Figure 17) The Commonest Ten Cancers By Registered Cases Per 100000 Population in Baghdad

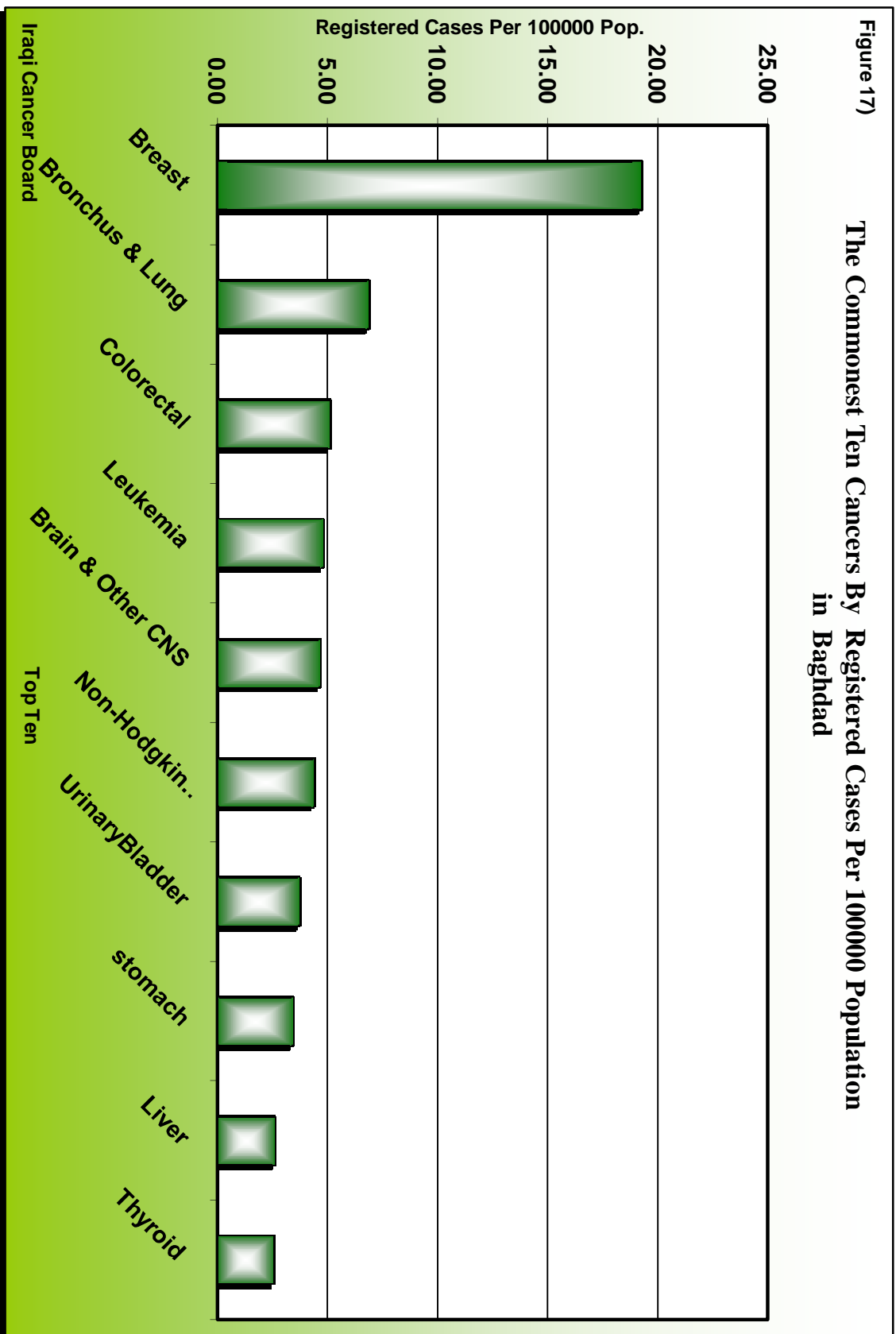


Table (12)
The Commonest Ten Cancer in Baghdad Districts
Number of New Cases by Primary Site , Percentage of Total in
2012

TOP TEN	RISSAFFA	AL ^{AL} ADHAWIYA	AL-SADER	AL KARKH	AL ^{AL} KADHIMIYA H	AL ^{AL} MAHMOODIYA A	ABU GRAIB	AL ^{AL} MADAIN	AL ^{AL} TARMEYE H	TOTAL	TOTAL									
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%								
Breast	377	26.97	210	15.02	188	13.45	398	28.47	122	8.73	36	2.58	16	1.14	41	2.93	10	0.72	1398	100.00
Bronchus & Lung	112	22.40	58	11.60	90	18.00	125	25.00	54	10.80	35	7.00	6	1.20	18	3.60	2	0.40	500	100.00
Colorectal	83	22.13	72	19.20	55	14.67	116	30.93	30	8.00	8	2.13	6	1.60	5	1.33	0	0.00	375	100.00
Leukemia	82	23.50	40	11.46	65	18.62	77	22.06	44	12.61	20	5.73	7	2.01	12	3.44	2	0.57	349	100.00
Brain & Other CNS	62	18.24	50	14.71	78	22.94	67	19.71	48	14.12	17	5.00	2	0.59	14	4.12	2	0.59	340	100.00
Non-Hodgkin Lymphoma	62	19.38	35	10.94	45	14.06	111	34.69	28	8.75	15	4.69	12	3.75	10	3.13	2	0.63	320	100.00
Urinary Bladder	52	19.19	29	10.70	56	20.66	55	20.30	40	14.76	16	5.90	5	1.85	18	6.64	0	0.00	271	100.00
Stomach	57	22.71	32	12.75	44	17.53	64	25.50	25	9.96	11	4.38	2	0.80	11	4.38	5	1.99	251	100.00
Liver	27	14.14	28	14.66	50	26.18	45	23.56	16	8.38	14	7.33	2	1.05	6	3.14	3	1.57	191	100.00
Thyroid	46	24.60	28	14.97	23	12.30	51	27.27	22	11.76	7	3.74	7	3.74	3	1.60	0	0.00	187	100.00
TOTAL	960	22.96	582	13.92	694	16.59	1109	26.52	429	10.26	179	4.28	65	1.55	138	3.30	26	0.62	4182	100.00

Nineveh

Population : 3,353,875

Cases Number :1649

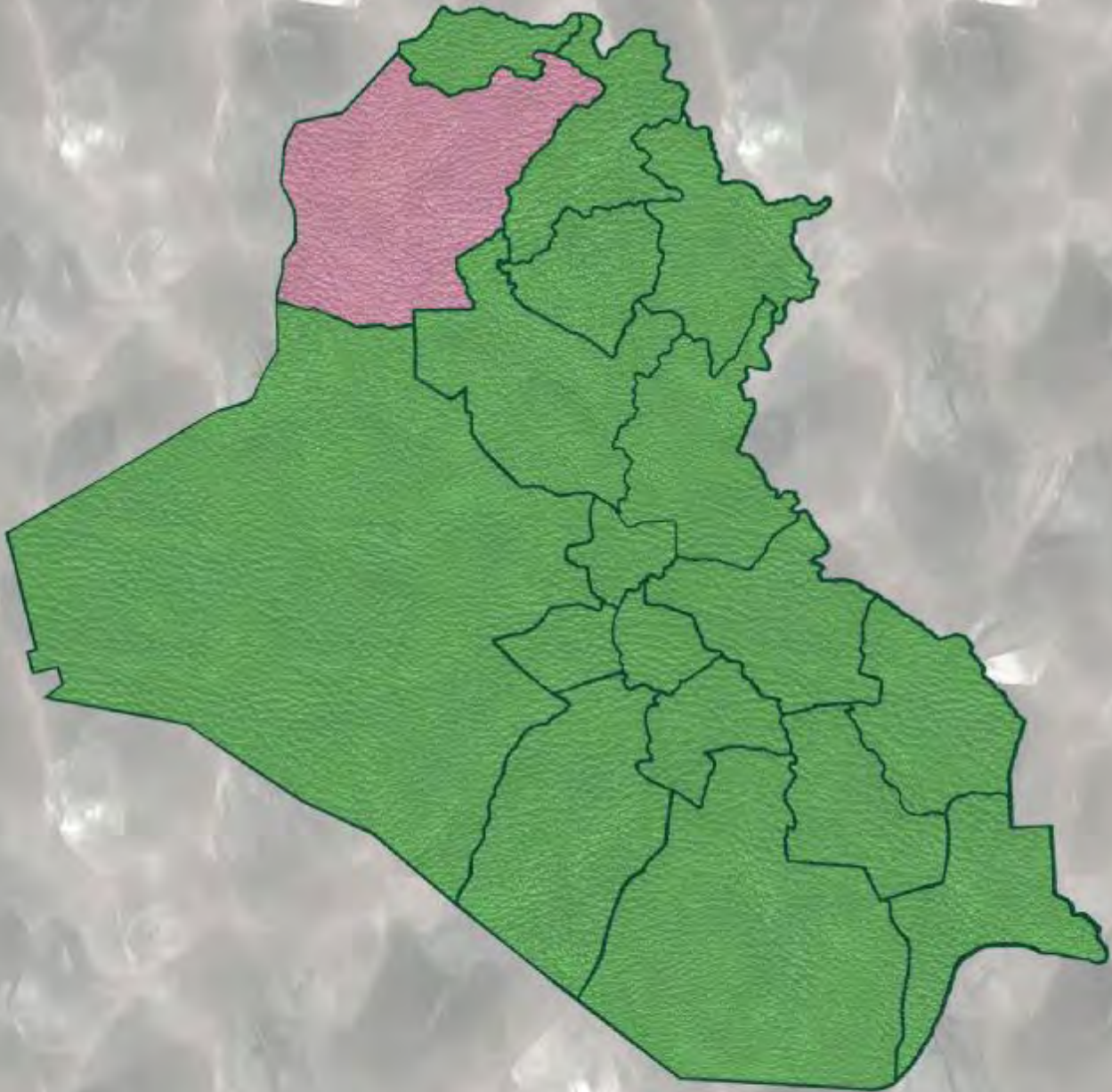
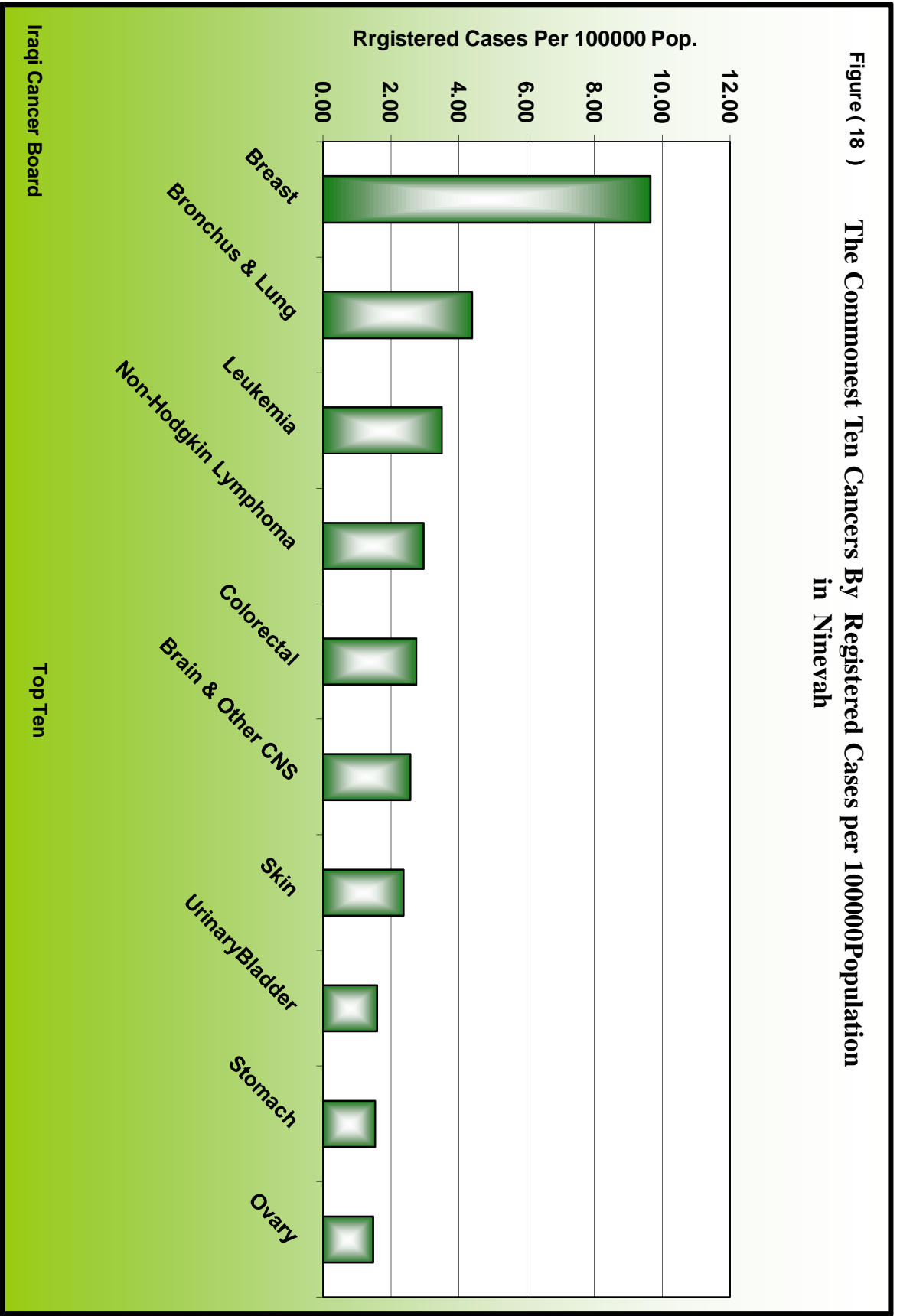


Figure (18) The Commonest Ten Cancers By Registered Cases per 100000Population in Ninevah



Iraqi Cancer Board

Top Ten

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 /10 ⁵ POP.
1- BREAST	324	19.65	9.66
2- BRONCHUS & LUNG	148	8.98	4.41
3- LEUKEMIA	118	7.16	3.52
4- NON-HODGKIN LYMPHOMA	100	6.06	2.98
5- COLORECTAL	93	5.64	2.77
6- BRAIN & OTHER CNS	87	5.28	2.59
7- SKIN	80	4.85	2.39
8- URINARY BLADDER	54	3.27	1.61
9- STOMACH	52	3.15	1.55
10- OVARY	50	3.03	1.49
TOTAL TEN	1106	67.07	32.98
ALL SITES	1649	100.00	49.17

Population of *Nineveh* Governorate in 2012(3353875)

Table (14)

**The Commonest Ten Cancer in Ninevah Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	AL MOSUL		AL- HAMDANIYA		TELKEIF		SINJAR		TEL AFFAR		AL SHIKHAN		AL HATHRA		AQRAA		AL BAAJ		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	255	78.70	10	3.09	11	3.40	15	4.63	23	7.10	2	0.62	3	0.93	2	0.62	3	0.93	324	100.00
Bronchus & Lung	99	66.89	11	7.43	3	2.03	8	5.41	15	10.14	7	4.73	1	0.68	2	1.35	2	1.35	148	100.00
Leukemia	79	66.95	8	6.78	3	2.54	10	8.47	9	7.63	1	0.85	1	0.85	3	2.54	4	3.39	118	100.00
Non-Hodgkin Lymphoma	67	67.00	7	7.00	2	2.00	5	5.00	9	9.00	1	1.00	1	1.00	4	4.00	4	4.00	100	100.00
Colorectal	67	72.04	4	4.30	2	2.15	6	6.45	10	10.75	1	1.08	2	2.15	1	1.08	0	0.00	93	100.00
Brain & Other CNS	60	68.97	4	4.60	3	3.45	5	5.75	6	6.90	1	1.15	2	2.30	3	3.45	3	3.45	87	100.00
Skin	70	87.50	2	2.50	0	0.00	3	3.75	5	6.25	0	0.00	0	0.00	0	0.00	0	0.00	80	100.00
Urinary Bladder	46	85.19	2	3.70	0	0.00	2	3.70	2	3.70	0	0.00	1	1.85	1	1.85	0	0.00	54	100.00
Stomach	37	71.15	4	7.69	0	0.00	6	11.54	3	5.77	0	0.00	0	0.00	1	1.92	1	1.92	52	100.00
Ovary	40	80.00	1	2.00	3	6.00	3	6.00	2	4.00	0	0.00	0	0.00	0	0.00	1	2.00	50	100.00
Total	820	74.14	53	4.79	27	2.44	63	5.70	84	7.59	13	1.18	11	0.99	17	1.54	18	1.63	1106	100.00

Kirkuk

Population : 1,432,747

Cases Number :703

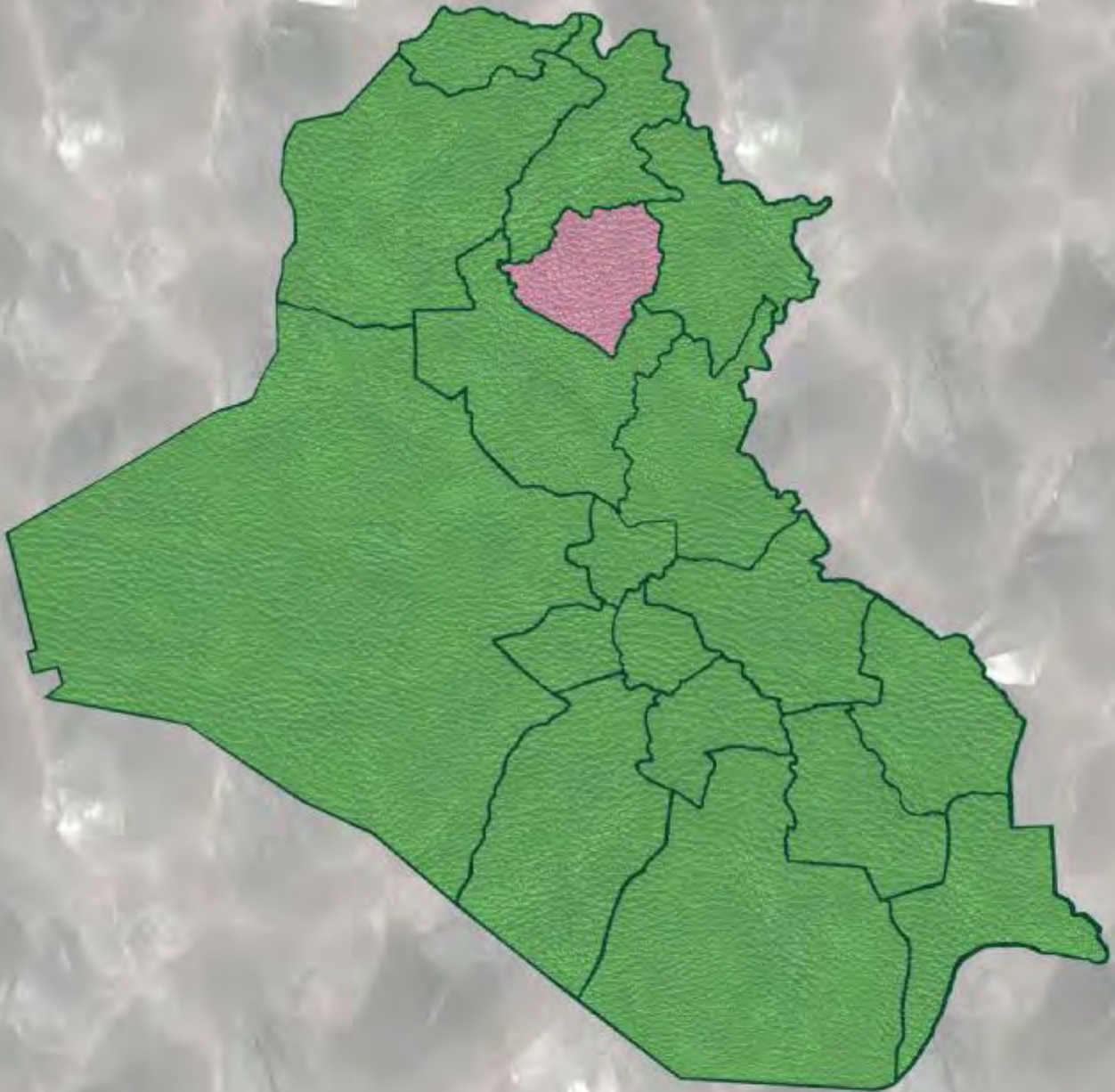


Table (15)

**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 /10⁵ POP.
1-BREAST	143	20.34	9.98
2-BRONCHUS & LUNG	63	8.96	4.40
3-COLORECTAL	53	7.54	3.70
4-LEUKEMIA	53	7.54	3.70
5-SKIN	50	7.11	3.49
6-NON-HODGKIN LYMPHOMA	37	5.26	2.58
7-BRAIN & OTHER CNS	30	4.27	2.09
8-STOMACH	26	3.70	1.81
9- URINARY BLADDER	22	3.13	1.54
10-PROSTATE	21	2.99	1.47
TOTAL TEN	498	70.84	34.76
ALL SITES	703	100.00	49.07

Population of *Kirkuk* Governorate in 2012(1432747)

Figure (19) The Commonest Ten Cancers By Registered Cases Per 100000 Population in Kirkuk

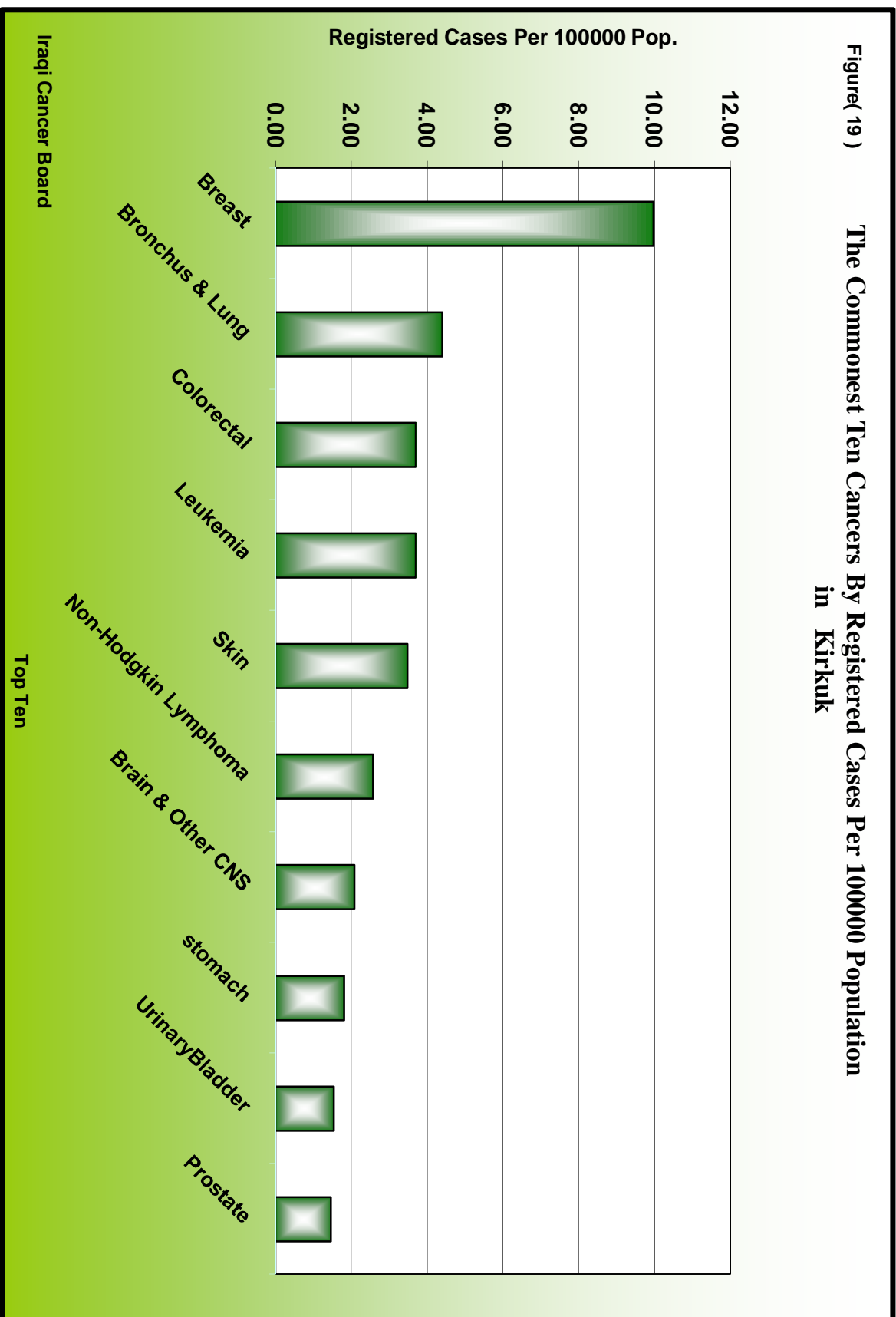


Table (16)

**The Commonest Ten Cancer in Kirkuk Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	KIRKUK		AL HAWIJA		DAKOOK		DIBID		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	121	84.62	13	9.09	5	3.50	4	2.80	143	100.00
Bronchus & Lung	47	74.60	14	22.22	0	0.00	2	3.17	63	100.00
Colorectal	44	83.02	2	3.77	2	3.77	5	9.43	53	100.00
leukemia	48	90.57	3	5.66	2	3.77	0	0.00	53	100.00
Skin	44	88.00	4	8.00	1	2.00	1	2.00	50	100.00
Non-Hodgkin Lymphoma	27	72.97	9	24.32	1	2.70	0	0.00	37	100.00
Brain & Other CNS	22	73.33	6	20.00	1	3.33	1	3.33	30	100.00
Stomach	23	88.46	2	7.69	1	3.85	0	0.00	26	100.00
Urinary Bladder	20	90.91	1	4.55	1	4.55	0	0.00	22	100.00
Prostate	19	90.48	2	9.52	0	0.00	0	0.00	21	100.00
Total	415	83.33	56	11.24	14	2.81	13	2.61	498	100.00

Al-Anbar

Population : 1,598,822

Cases Number :835

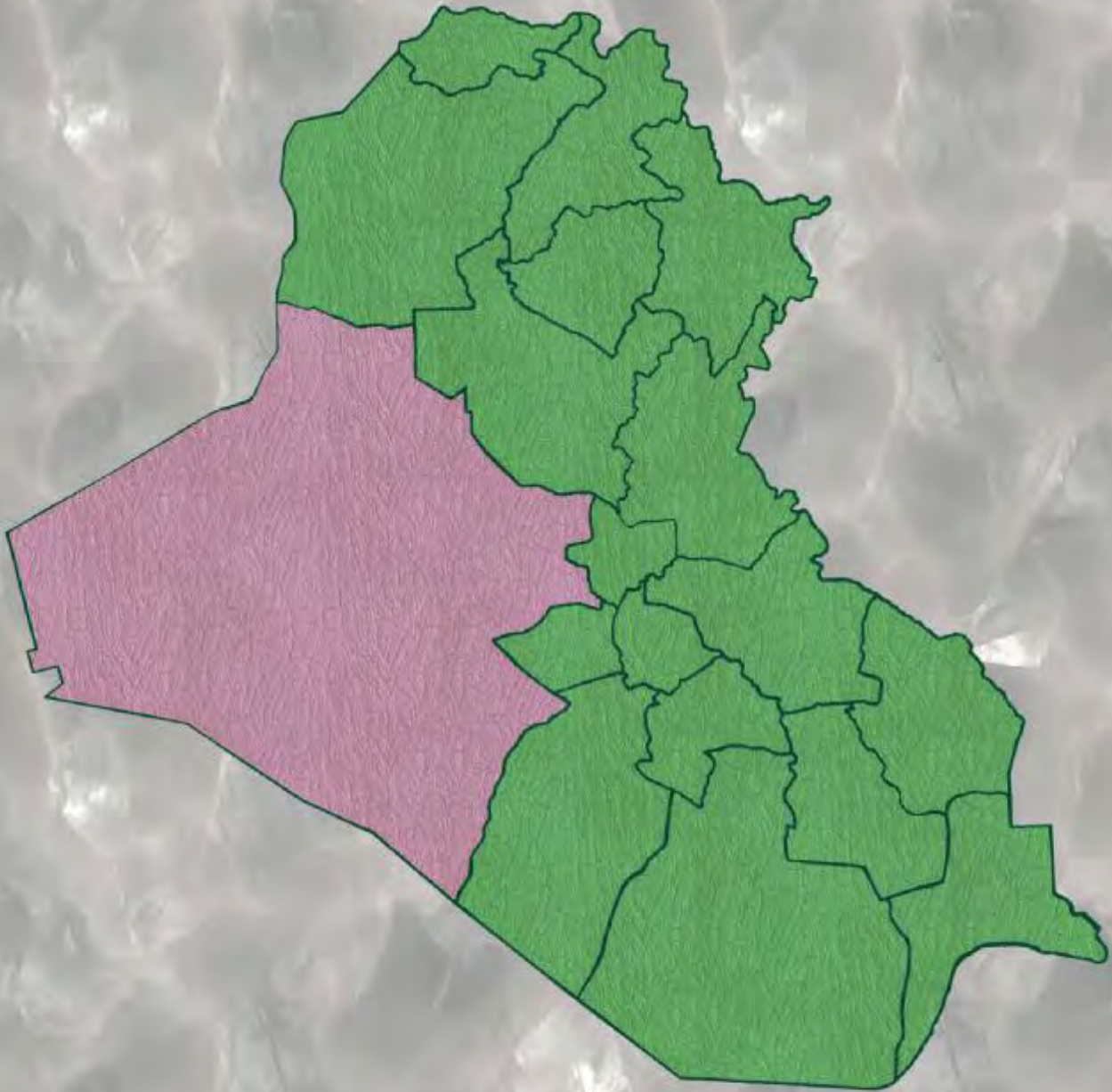


Table (17)

**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 /10⁵ POP.
1-BREAST	144	17.25	9.01
2 - NON-HODGKIN LYMPHOMA	80	9.58	5.00
3- LEUKEMIA	66	7.90	4.13
4- COLORECTAL	62	7.43	3.88
5- BRONCHUS & LUNG	58	6.95	3.63
6- THYROID	39	4.67	2.44
7- URINARY BLADDER	38	4.55	2.38
8- STOMACH	34	4.07	2.13
9- BRAIN & OTHER CNS	33	3.95	2.06
10- LIVER	26	3.11	1.63
TOTAL TEN	580	69.46	36.28
ALL SITES	835	100.00	52.23

Population of *Al-Anbar* Governorate in 2012(1598822)

Figure (20) The Commonest Ten Cancers By Registered Cases Per 100000 Population in Al-Anbar

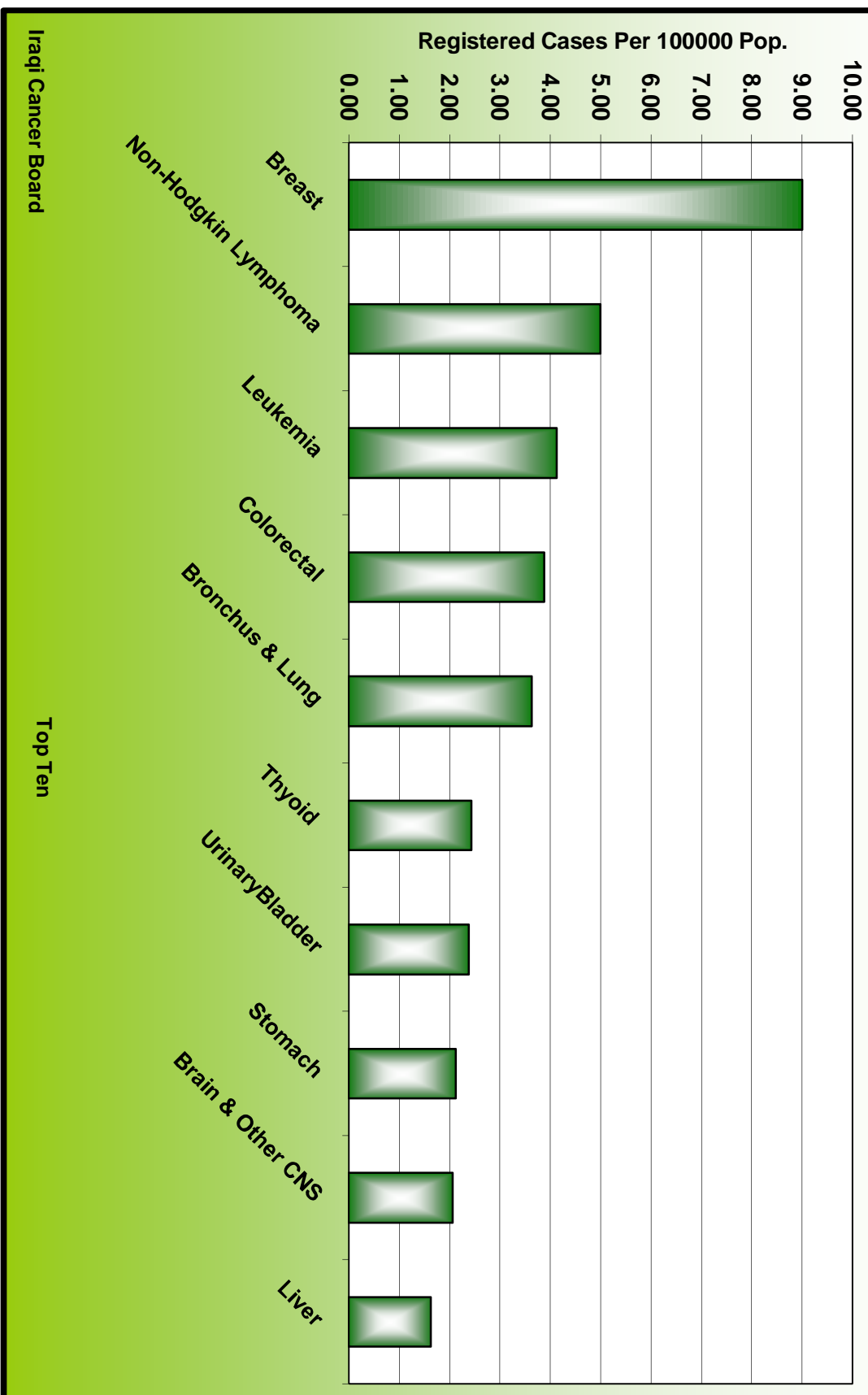


Table (18)

**The Commonest Ten Cancer in AL-Anbar Districts
Number of New Cases by Primary Site, Percentage of Total in 2012**

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	56	38.89	10	6.94	55	38.19	4	2.78	8	5.56	1	0.69	9	6.25	1	0.69	144	100.00
Non-Hodgkin Lymphoma	30	37.50	4	5.00	29	36.25	1	1.25	4	5.00	3	3.75	9	11.25	0	0.00	80	100.00
Leukemia	29	43.94	3	4.55	20	30.30	0	0.00	2	3.03	2	3.03	9	13.64	1	1.52	66	100.00
Colorectal	25	40.32	5	8.06	24	38.71	0	0.00	2	3.23	0	0.00	5	8.06	1	1.61	62	100.00
Bronchus & Lung	19	32.76	9	15.52	19	32.76	0	0.00	2	3.45	3	5.17	6	10.34	0	0.00	58	100.00
Thyroid	18	46.15	0	0.00	8	20.51	3	7.69	6	15.38	0	0.00	3	7.69	1	2.56	39	100.00
Urinary Bladder	10	26.32	3	7.89	16	42.11	1	2.63	3	7.89	0	0.00	5	13.16	0	0.00	38	100.00
Stomach	18	52.94	2	5.88	11	32.35	0	0.00	1	2.94	1	2.94	1	2.94	0	0.00	34	100.00
Brain & Other CNS	13	39.39	1	3.03	13	39.39	1	3.03	2	6.06	0	0.00	3	9.09	0	0.00	33	100.00
Liver	8	30.77	4	15.38	9	34.62	0	0.00	1	3.85	1	3.85	3	11.54	0	0.00	26	100.00
Total	226	38.97	41	7.07	204	35.17	10	1.72	31	5.34	11	1.90	53	9.14	4	0.69	580	100.00

Salah-Aldin

Population : 1,441,266

Cases Number :593

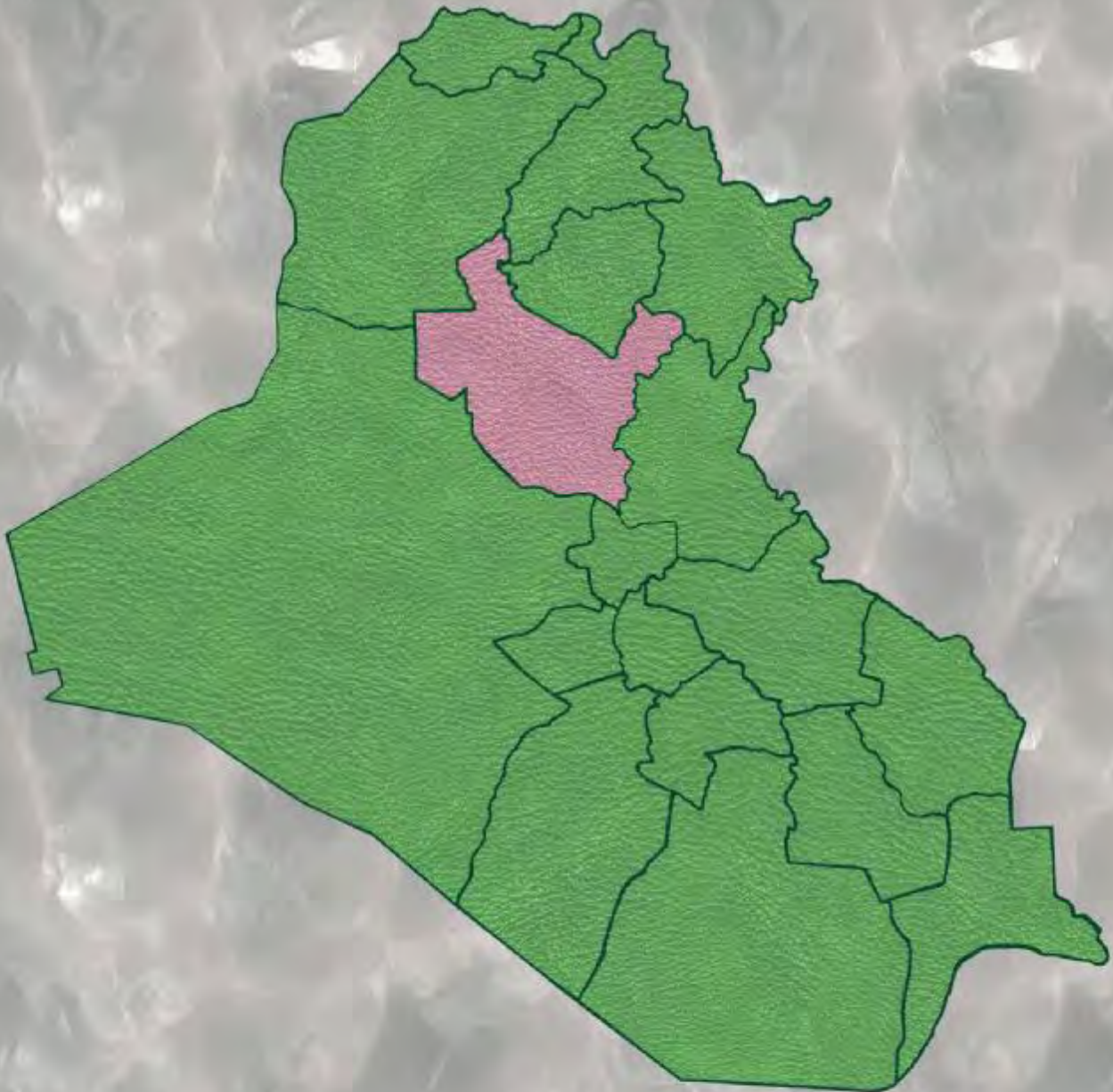


Table (19)

**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 /10⁵ POP.
1- BREAST	97	16.36	6.73
2- LEUKEMIA	48	8.09	3.33
3- BRONCHUS & LUNG	45	7.59	3.12
4- COLORECTAL	37	6.24	2.57
5- SKIN	34	5.73	2.36
6- NON-HODGKIN LYMPHOMA	32	5.40	2.22
7- BRAIN & OTHER CNS	29	4.89	2.01
8- URINARY BLADDER	25	4.22	1.73
9- HODGKIN DISEASE	25	4.22	1.73
10- THYROID	24	4.05	1.67
TOTAL TEN	396	66.78	27.48
ALL SITES	593	100.00	41.14

Population of *Salah-Alden* Governorate in 2012(1441266)

Figure (21) The commonest Ten Cancers By Registered Cases Per 100000 Population in Salah-Aldin

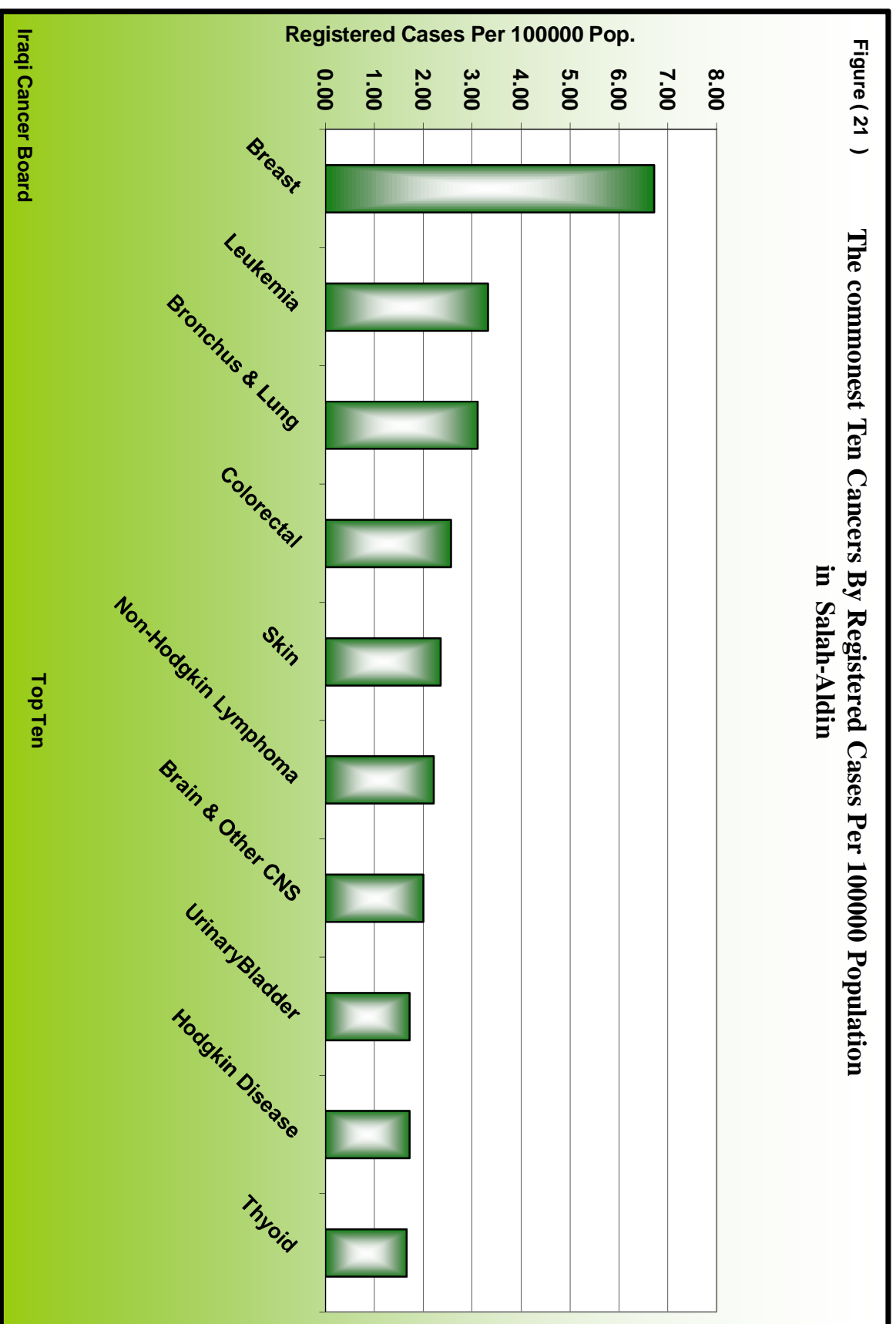


Table (20)

**The Commonest Ten Cancer in Salah - Aldin Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

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	35	36.08	6	6.19	17	17.53	18	18.56	8	8.25	1	1.03	10	10.31	2	2.06	97	100.00
Leukemia	17	35.42	1	2.08	5	10.42	10	20.83	7	14.58	0	0.00	5	10.42	3	6.25	48	100.00
Bronchus & Lung	7	15.56	9	20.00	11	24.44	9	20.00	2	4.44	0	0.00	6	13.33	1	2.22	45	100.00
Colorectal	15	40.54	6	16.22	2	5.41	5	13.51	5	13.51	0	0.00	4	10.81	0	0.00	37	100.00
Skin	23	67.65	0	0.00	2	5.88	4	11.76	2	5.88	0	0.00	2	5.88	1	2.94	34	100.00
Non-Hodgkin Lymphoma	3	9.38	5	15.63	7	21.88	7	21.88	2	6.25	0	0.00	7	21.88	1	3.13	32	100.00
Brain & Other CNS	8	27.59	9	31.03	3	10.34	4	13.79	1	3.45	1	3.45	3	10.34	0	0.00	29	100.00
Urinary Bladder	18	72.00	1	4.00	1	4.00	2	8.00	2	8.00	0	0.00	0	0.00	1	4.00	25	100.00
Hodgkin Disease	16	64.00	1	4.00	0	0.00	0	0.00	7	28.00	0	0.00	1	4.00	0	0.00	25	100.00
Thyroid	15	62.50	2	8.33	2	8.33	4	16.67	0	0.00	0	0.00	1	4.17	0	0.00	24	100.00
Total	157	39.65	40	10.10	50	12.63	63	15.91	36	9.09	2	0.51	39	9.85	9	2.27	396	100.00

Dyala

Population : 1,477,684

Cases Number :709

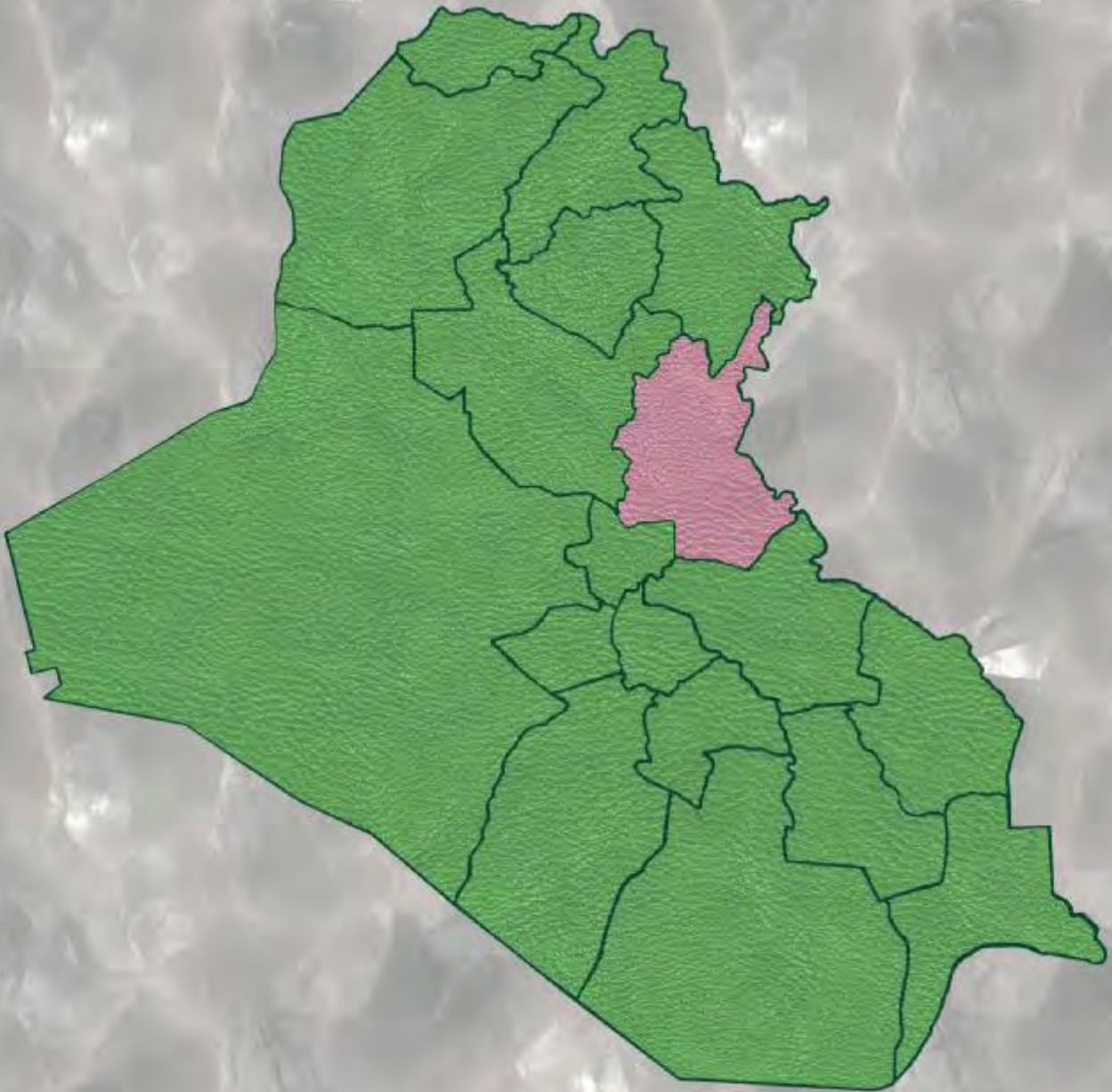


Table (21)

**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 /10⁵ POP.
1- BREAST	123	17.35	8.32
2- LEUKEMIA	53	7.48	3.59
3- NON-HODGKIN LYMPHOMAL	53	7.48	3.59
4- BRONCHUS & LUNG	46	6.49	3.11
5- SKIN	44	6.21	2.98
6- COLORECTAL	44	6.21	2.98
7- BRAIN & OTHER CNS	39	5.50	2.64
8-STOMACH	23	3.24	1.56
9- URINARY BLADDER	22	3.10	1.49
10-OVARY	21	2.96	1.42
TOTAL TEN	468	66.01	31.67
ALL SITES	709	100.00	47.98

Population of *Dyala* Governorate in 2012(1477684)

Figure (22) The Commonest Ten Cancers By Registered Cases Per 100000 Population in Dyala

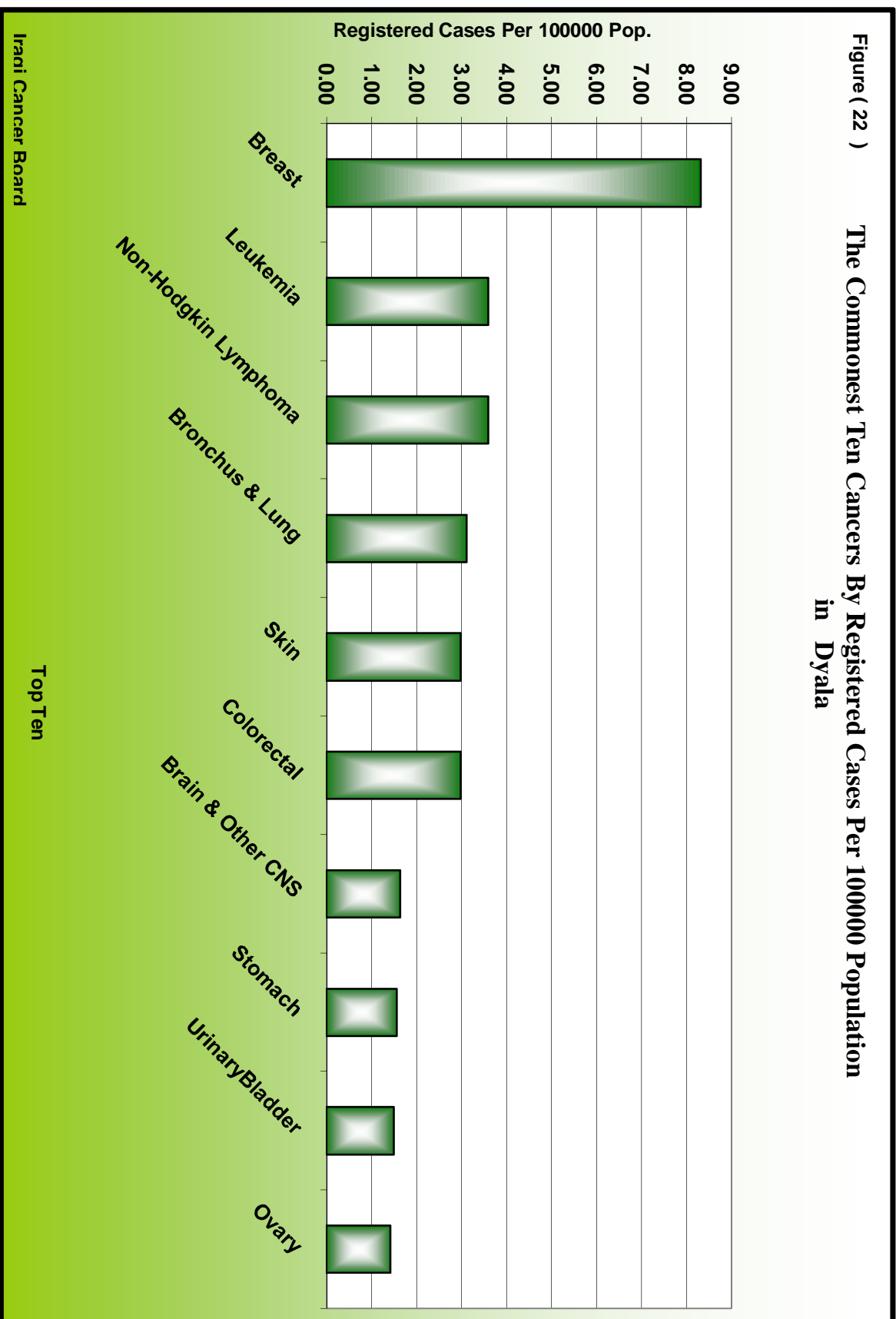


Table (22)

**The Commonest Ten Cancer in Dyala Districts
Number of New Cases by Primary Site, Percentage of Total in 2012**

TOP TEN	BAKOBA		AL MUQDADIAH		AL KHALIS		BALADROOZE		KHANAKEEN		KIFFRI		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	72	72	11	8.94	16	13.01	9	7.32	15	12.20	0	0.00	123	100.00
Leukemia	29	29	7	13.21	5	9.43	5	9.43	7	13.21	0	0.00	53	100.00
Colorectal	31	31	3	5.66	9	16.98	4	7.55	6	11.32	0	0.00	53	100.00
Brain & Other CNS	24	24	4	8.70	14	30.43	3	6.52	1	2.17	0	0.00	46	100.00
Bronchus & Lung	30	30	3	6.82	3	6.82	6	13.64	2	4.55	0	0.00	44	100.00
Hodgkin Disease	25	25	4	9.09	3	6.82	3	6.82	9	20.45	0	0.00	44	100.00
Skin	19	19	2	5.13	6	15.38	4	10.26	8	20.51	0	0.00	39	100.00
Non-Hodgkin Lymphoma	8	8	4	17.39	8	34.78	1	4.35	2	8.70	0	0.00	23	100.00
Stomach	13	13	2	9.09	1	4.55	3	13.64	3	13.64	0	0.00	22	100.00
Larynx	11	11	0	0.00	6	28.57	0	0.00	4	19.05	0	0.00	21	100.00
Total	72	72	11	8.94	71	15.17	38	8.12	57	12.18	0	0.00	468	100.00

Kerbala

Population : 1,094,281

Cases Number :692

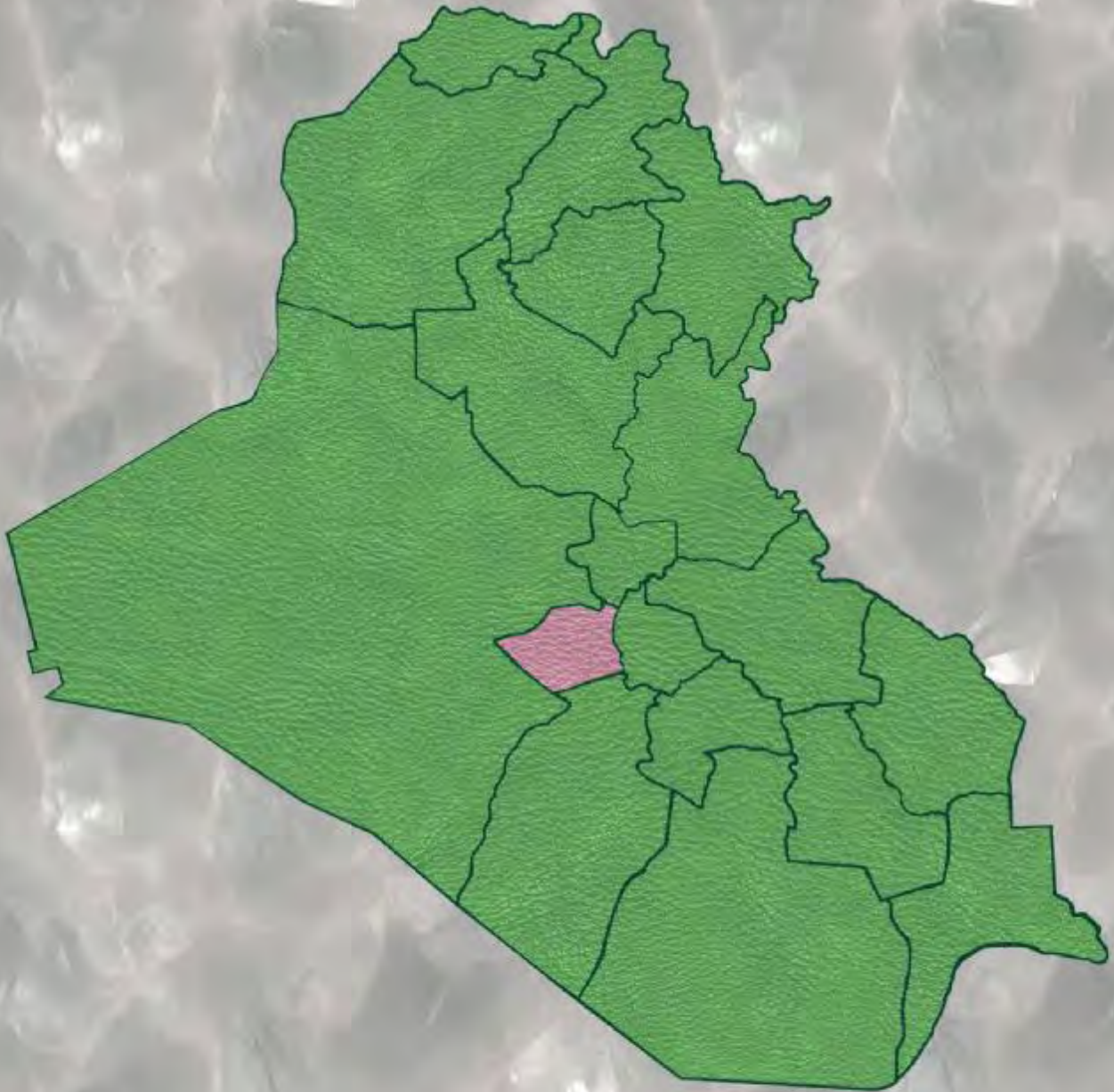


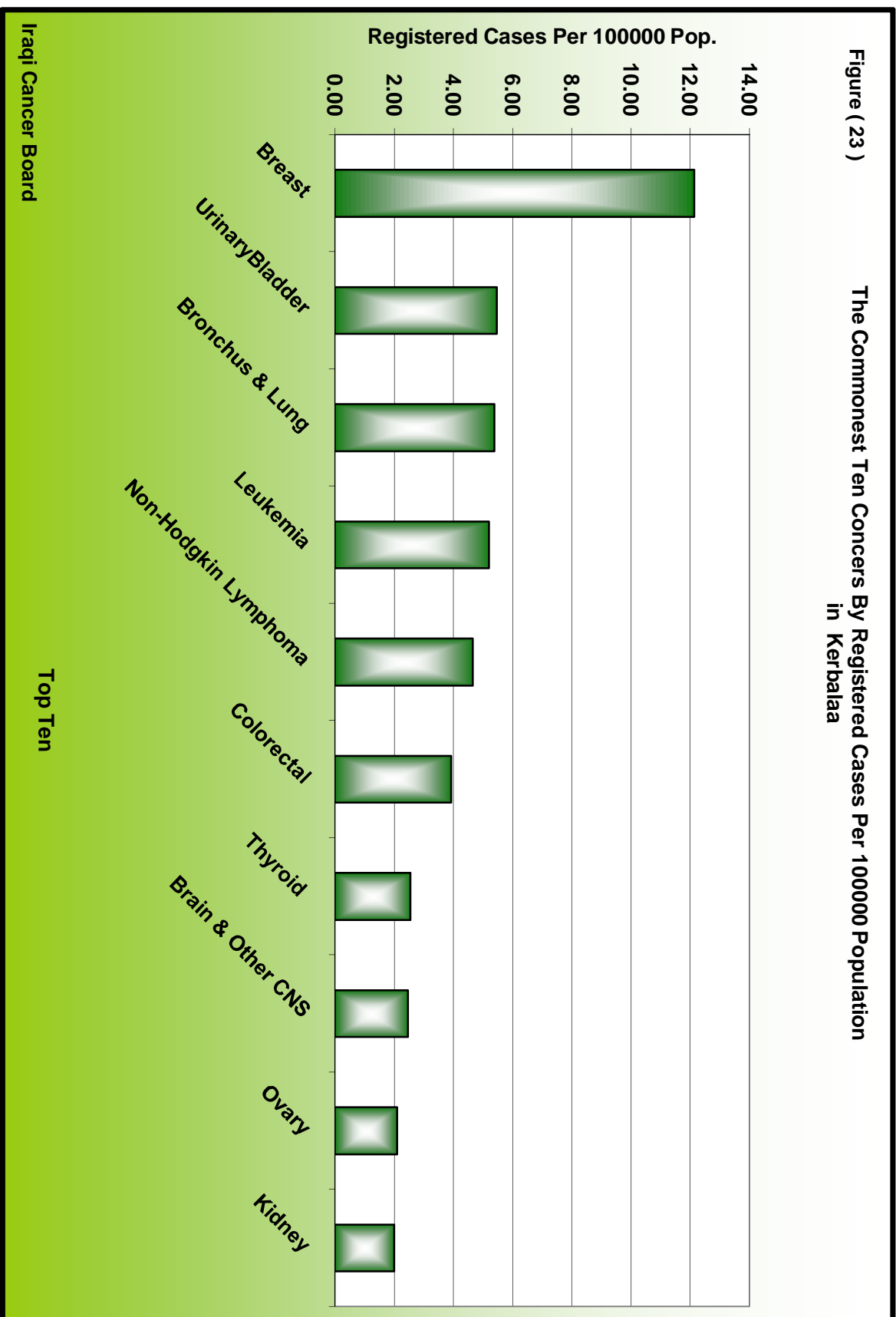
Table (23)

**The Commonest Ten Cancers in *Kerbalaa*
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	133	19.22	12.15
2- URINARY BLADDER	60	8.67	5.48
3- BRONCHUS & LUNG	59	8.53	5.39
4- LEUKEMIA	57	8.24	5.21
5-NON-HODGKIN LYMPHOMA	51	7.37	4.66
6- COLORECTAL	43	6.21	3.93
7-THYROID GLAND	28	4.05	2.56
8- BRAIN & OTHER CNS	27	3.90	2.47
9-OVARY	23	3.32	2.10
10-KIDNEY	22	3.18	2.01
TOTAL TEN	503	72.69	45.97
ALL SITES	692	100.00	63.24

Population of *Kerbala* Governorate in 2012(1094281)

Figure (23) The Commonest Ten Concers By Registered Cases Per 100000 Population in Kerbalaa



Iraqi Cancer Board

Top Ten

Table (24)

**The Commonest Ten Cancer in Kerbalaa Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	KARBALLA		AIN TAMOUR		AL HINDIA		TOTAL	
	NO	%	NO	%	NO	%	NO	%
Breast	117	87.97	2	87.97	14	10.53	133	100.00
Urinary Bladder	53	88.33	0	88.33	7	11.67	60	100.00
Bronchus & Lung	48	81.36	0	81.36	11	18.64	59	100.00
Leukemia	39	68.42	2	68.42	16	28.07	57	100.00
Non-Hodgkin Lymphoma	36	70.59	4	70.59	11	21.57	51	100.00
Colorectal	42	97.67	0	97.67	1	2.33	43	100.00
Thyroid gland	25	89.29	0	89.29	3	10.71	28	100.00
Brain & Other CNS	23	85.19	1	85.19	3	11.11	27	100.00
Ovary	21	91.30	0	91.30	2	8.70	23	100.00
Kidney	21	95.45	0	95.45	1	4.55	22	100.00
Total	425	84.49	9	84.49	69	13.72	503	100.00

AL-Najaf

Population : 1,319,608

Cases Number :920

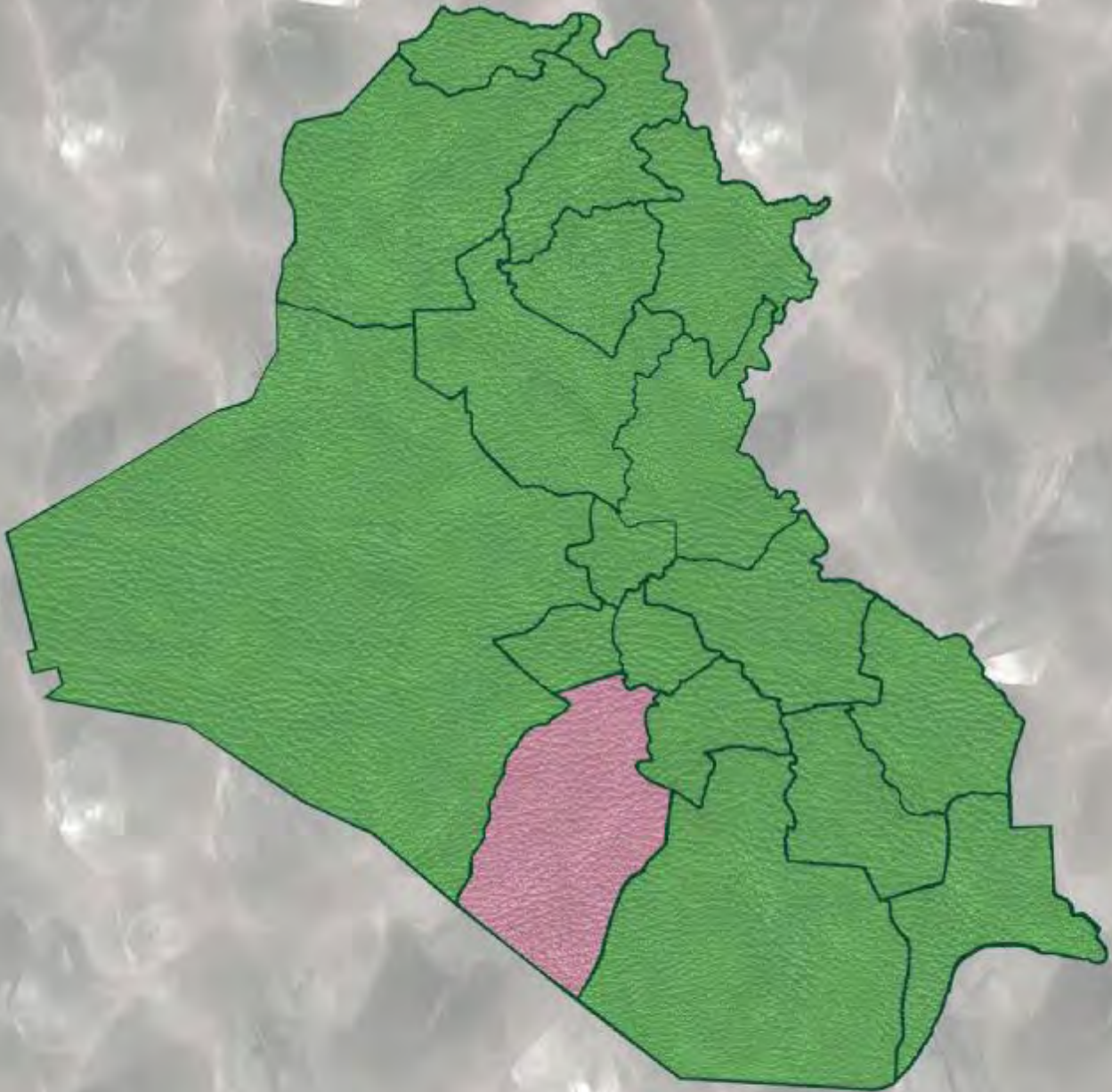


Table (25)

**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 /10⁵ POP.
1- BREAST	143	15.54	10.84
2- BRONCHUS & LUNG	106	11.52	8.03
3- LEUKEMIA	73	7.93	5.53
4- URINARY BLADDER	52	5.65	3.94
5- COLORECTAL	47	5.11	3.56
6- BRAIN & OTHER CNS	43	4.67	3.26
7- NON-HODGKIN LYMPHOMA	40	4.35	3.03
8- THYROID	38	4.13	2.88
9- SKIN	36	3.91	2.73
10- KIDNEY	35	3.80	2.65
TOTAL TEN	613	66.63	46.45
ALL SITES	920	100.00	69.72

Population of Al- Najaf Governorate in 2012(1319608)

Figure (24) The Commonest Ten Cancers By Registered Cases Per 100000 Population in Al - Najaf

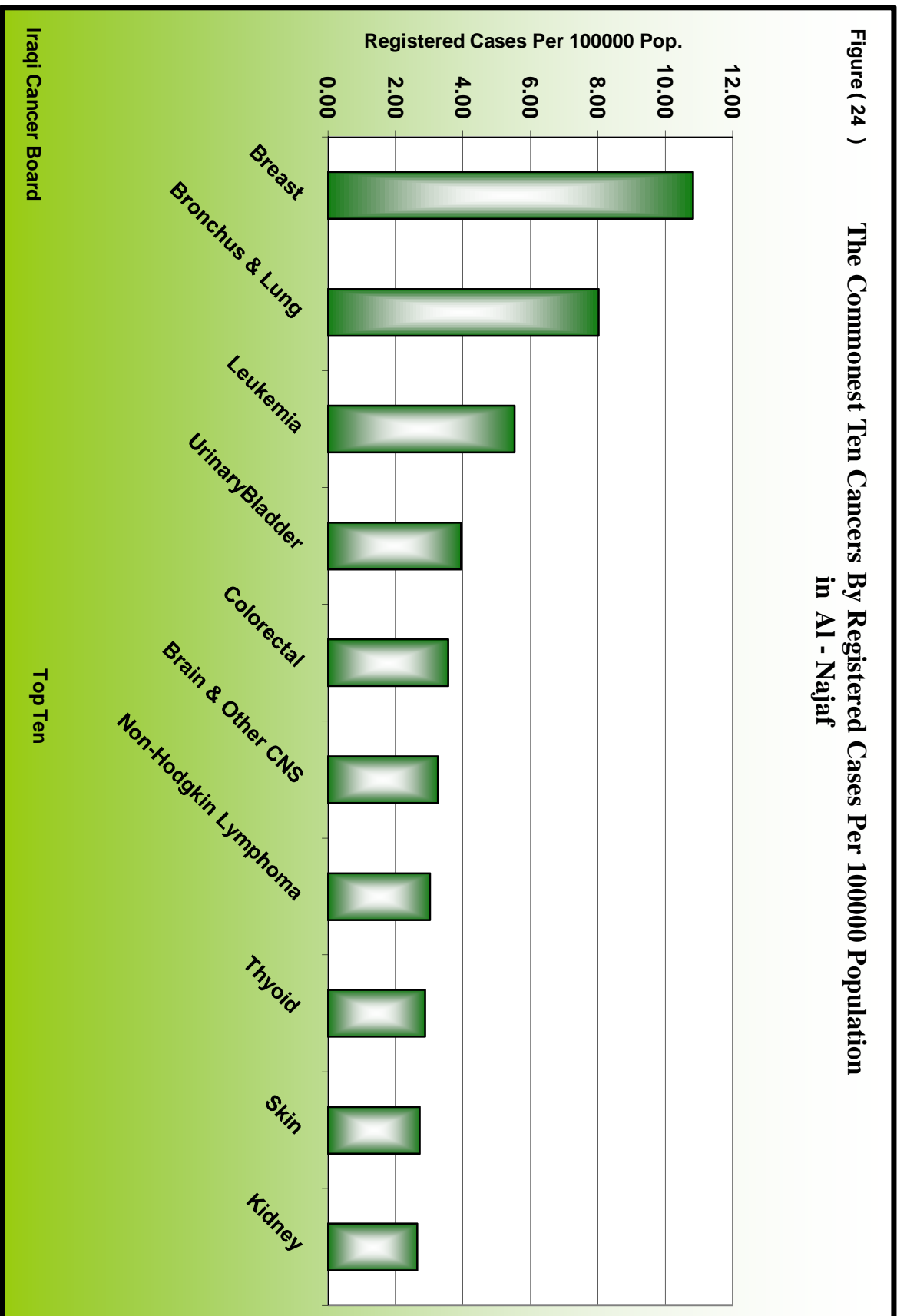


Table (26)

**The Commonest Ten Cancer in AL- Najaf Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	AL NAJAF		AL KUFFA		AL MANATHRA		TOTAL	
	NO	%	NO	%	NO	%	NO	%
Breast	97	67.83	29	20.28	17	11.89	143	100.00
Bronchus & Lung	67	63.21	23	21.70	16	15.09	106	100.00
Leukemia	55	75.34	13	17.81	5	6.85	73	100.00
Urinary Bladder	38	73.08	10	19.23	4	7.69	52	100.00
Colorectal	27	57.45	14	29.79	6	12.77	47	100.00
Brain & Other CNS	26	60.47	12	27.91	5	11.63	43	100.00
Non-Hodgkin Lymphoma	27	67.50	9	22.50	4	10.00	40	100.00
Thyroid	25	65.79	7	18.42	6	15.79	38	100.00
Skin	21	58.33	9	25.00	6	16.67	36	100.00
Kidney	21	60.00	10	28.57	4	11.43	35	100.00
Total	404	65.91	136	22.19	73	11.91	613	100.00

Babil

Population : 1,864,124

Cases Number :1264

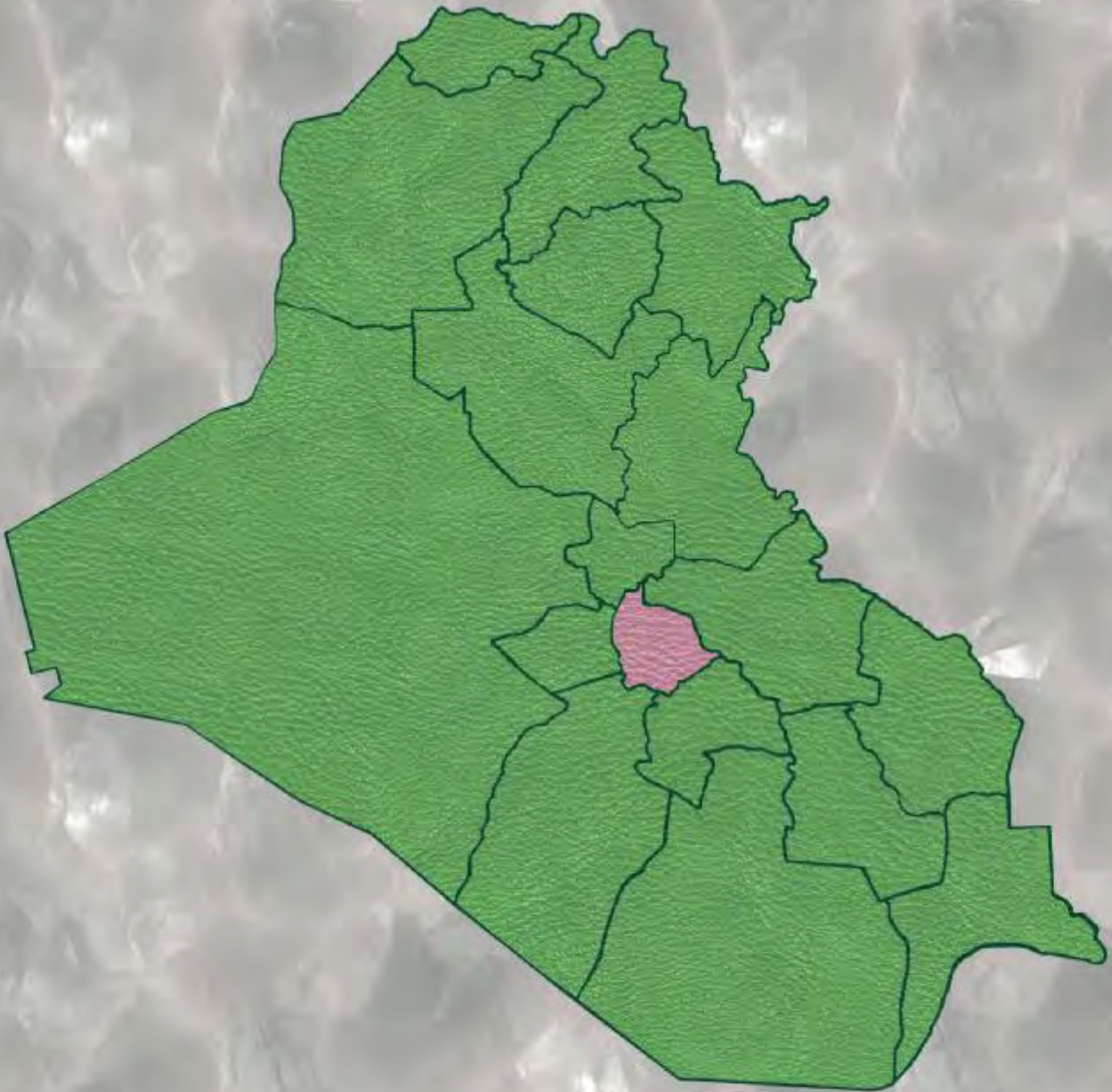


Table (27)

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 /10⁵ POP.
1- BREAST	220	17.41	11.80
2- BRONCHUS & LUNG	180	14.24	9.66
3- LEUKEMIA	115	9.10	6.17
4- BRAIN & OTHER CNS	86	6.80	4.61
5- NON-HODGKIN LYMPHOMA	74	5.85	3.97
6- URINARY BLADDER	72	5.70	3.86
7- COLORECTAL	50	3.96	2.68
8- PANCREAS	49	3.88	2.63
9- STOMACH	40	3.16	2.15
10- LIVER	30	2.37	1.61
TOTAL TEN	916	72.47	49.14
ALL SITES	1264	100.00	67.81

Population of *Babil* Governorate in 2012(1864124)

Figure(25)

The Commonest Ten Cancers By Registered Cases Per 100000 Population in Babil

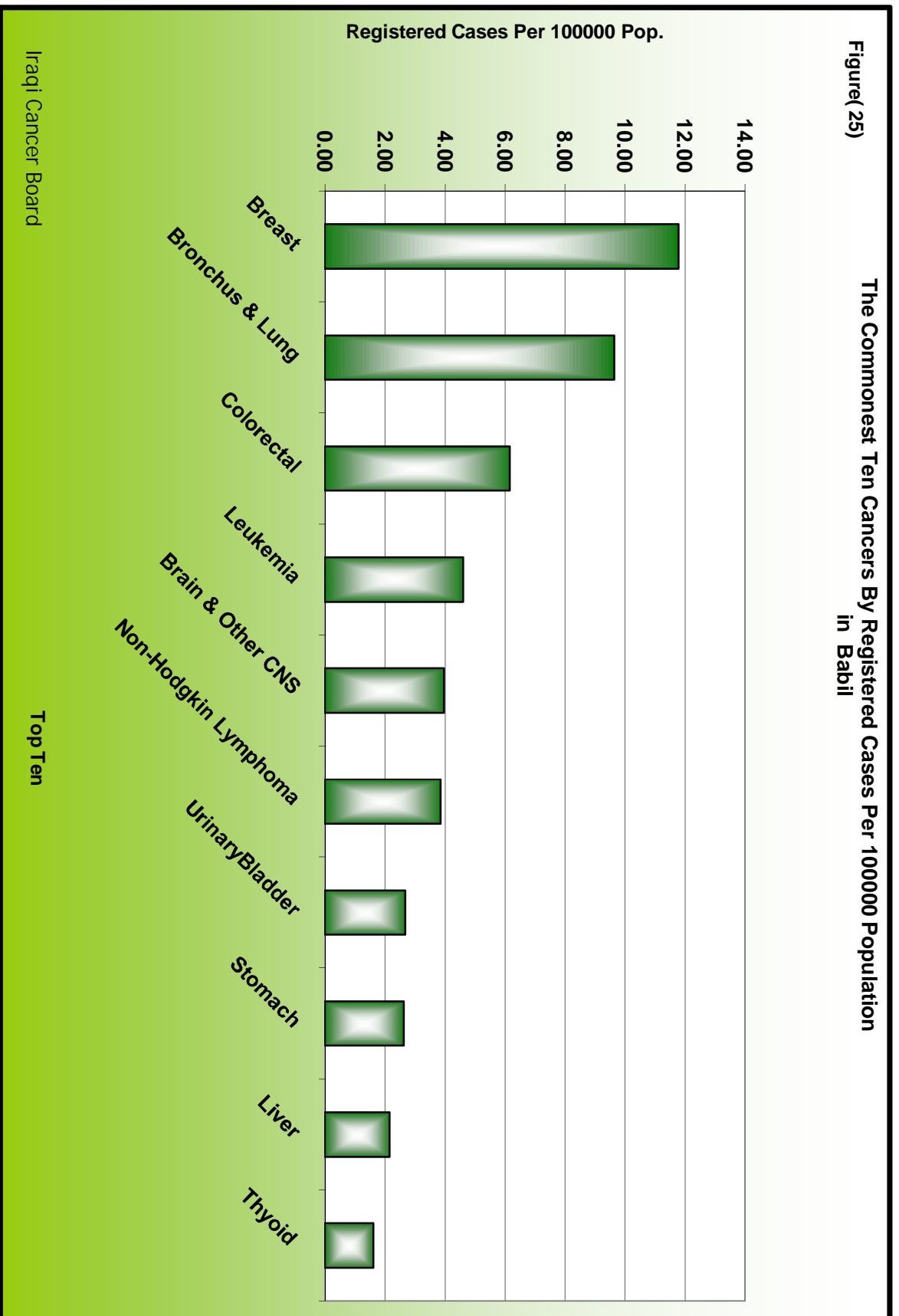


Table (28)

The Commonest Ten Cancer in Babil Districts

Number of New Cases by Primary Site, Percentage of Total in 2012

TOP TEN	AL HILLA		AL MAHAWEEL		AL HASHIMIAH		AL MISSAIAB		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	134	60.91	22	10.00	21	9.55	43	19.55	220	100.00
Bronchus & Lung	95	52.78	18	10.00	36	20.00	31	17.22	180	100.00
Leukemia	63	54.78	12	10.43	20	17.39	20	17.39	115	100.00
Brain & Other CNS	48	55.81	12	13.95	10	11.63	16	18.60	86	100.00
Non-Hodgkin Lymphoma	41	55.41	6	8.11	13	17.57	14	18.92	74	100.00
Urinary Bladder	31	43.06	14	19.44	9	12.50	18	25.00	72	100.00
Colorectal	25	50.00	4	8.00	10	20.00	11	22.00	50	100.00
Pancreas	20	40.82	9	18.37	10	20.41	10	20.41	49	100.00
Stomach	18	45.00	7	17.50	5	12.50	10	25.00	40	100.00
Liver	13	43.33	7	23.33	5	16.67	5	16.67	30	100.00
Total	488	53.28	111	12.12	139	15.17	178	19.43	916	100.00

Wasit

Population : 1,240,935

Cases Number :661

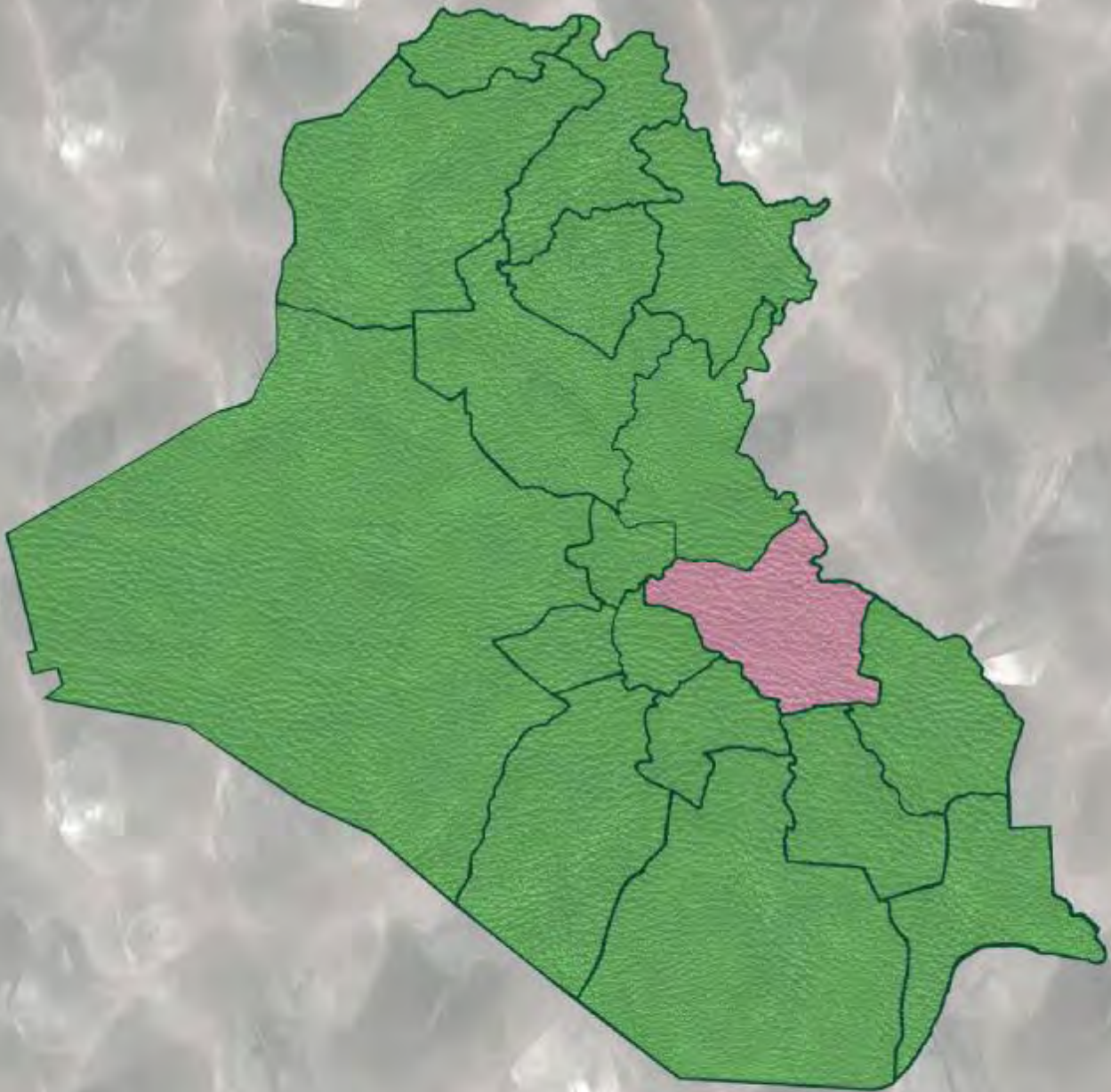


Table (29)

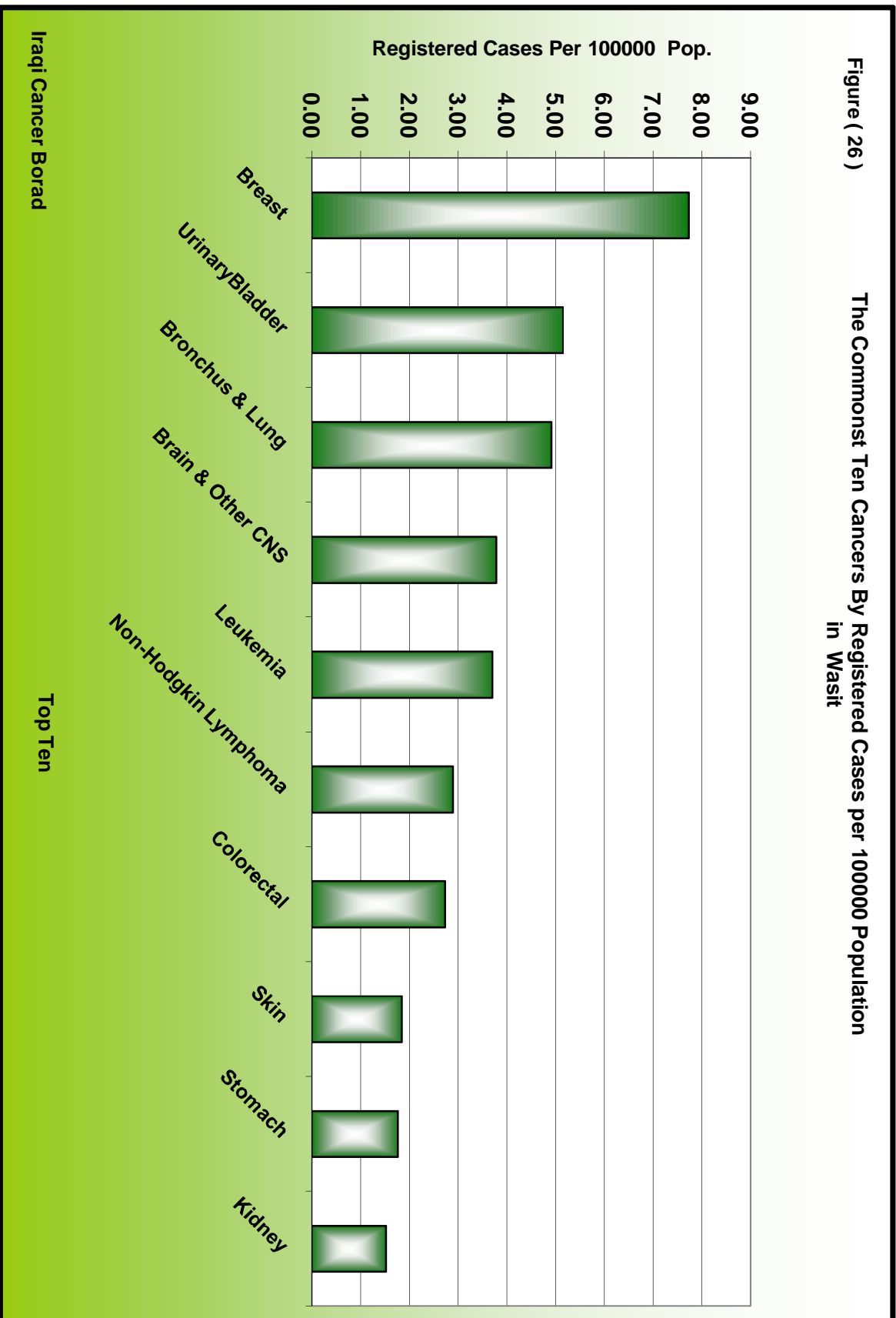
**The Commonest Ten Cancers in Wasit
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population**

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10⁵ POP.
1- BREAST	96	14.52	7.74
2- URINARY BLADDER	64	9.68	5.16
3- BRONCHUS & LUNG	61	9.23	4.92
4- BRAIN & OTHER CNS	47	7.11	3.79
5- LEUKEMIA	46	6.96	3.71
6-NON-HODGKIN LYMPHOMA	36	5.45	2.90
7- COLORECTAL	34	5.14	2.74
8- SKIN	23	3.48	1.85
9- STOMACH	22	3.33	1.77
10- KIDNEY	19	2.87	1.53
TOTAL TEN	448	67.78	36.10
ALL SITES	661	100.00	53.27

Population of Wasit Governorate in 2012(1240935)

Figure (26)

The Commonst Ten Cancers By Registered Cases per 100000 Population In Wasit



Table(30)

**The Commonest Ten Cancer in Wasit Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	AL KUT		AL NUMANIAH		AL HAY		BADRA		AL SUARRAH		AL AZIYYA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	62	64.58	5	5.21	5	5.21	0	0.00	14	14.58	10	10.42	96	100.00
Urinary Bladder	47	73.44	4	6.25	3	4.69	1	1.56	7	10.94	2	3.13	64	100.00
Bronchus & Lung	37	60.66	1	1.64	5	8.20	0	0.00	13	21.31	5	8.20	61	100.00
Brain & Other CNS	29	61.70	3	6.38	4	8.51	0	0.00	10	21.28	1	2.13	47	100.00
Leukemia	29	63.04	1	2.17	2	4.35	2	4.35	7	15.22	5	10.87	46	100.00
Non-Hodgkin Lymphoma	25	69.44	4	11.11	2	5.56	0	0.00	3	8.33	2	5.56	36	100.00
Colorectal	23	67.65	3	8.82	3	8.82	0	0.00	3	8.82	2	5.88	34	100.00
Skin	17	73.91	0	0.00	1	4.35	0	0.00	4	17.39	1	4.35	23	100.00
Stomach	9	40.91	0	0.00	1	4.55	5	22.73	6	27.27	1	4.55	22	100.00
Kidney	13	68.42	1	5.26	1	5.26	0	0.00	3	15.79	1	5.26	19	100.00
Total	291	64.96	22	4.91	27	6.03	8	1.79	70	15.63	30	6.70	448	100.00

Misan

Population : 997,410

Cases Number :519



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 /10⁵ POP.
1- BREAST	102	19.65	10.23
2- BRONCHUS&LUNG	56	10.79	5.61
3- LEUKEMIA	37	7.13	3.71
4- URINARY BLADDER	35	6.74	3.51
5- NON-HODGKIN LYMPHOMA	33	6.36	3.31
6- BRAIN & OTHER CNS LIVER	32	6.17	3.21
7- COLORECTA	17	3.28	1.70
8- LARYNX	14	2.70	1.40
9- LIVER	14	2.70	1.40
10- STOMACH	14	2.70	1.40
TOTAL TEN	354	68.21	35.49
ALL SITES	519	100.00	52.03

Population of *Misan* Governorate in 2012(997410)

Figure (27)

The Commonest Ten Cancers By Registered Cases Per 100000 Population in Misan

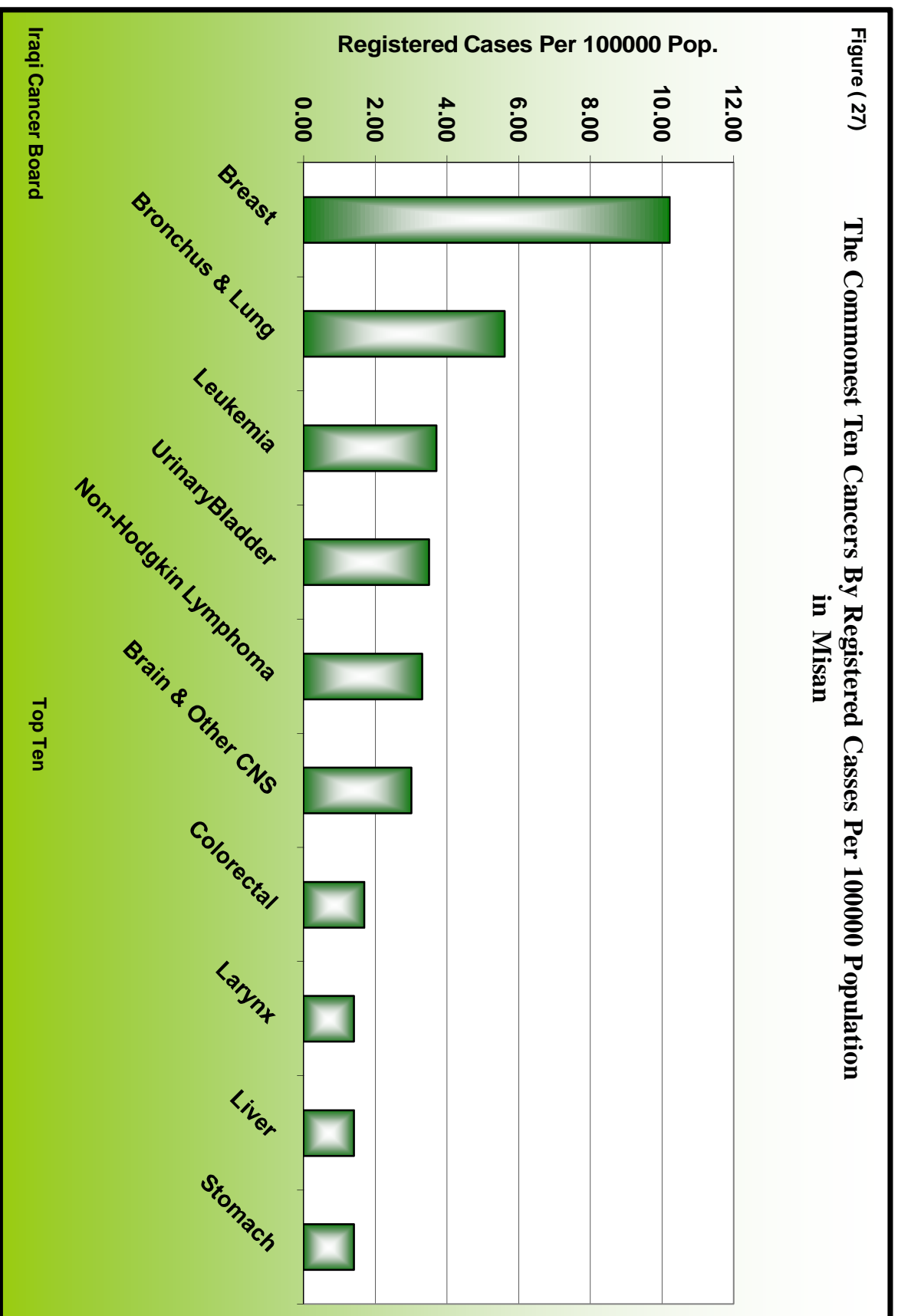


Table (32)

The Commonest Ten Cancer in Misan Districts
Number of New Cases by Primary Site, Percentage of Total in 2012

TOP TEN	AL AMMARHA		ALI ALGHARBI		AL MAYMOONA		QALAT SALIH		ALMAJAR AL KABEER		AL KAHLAA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	81	79.41	7	6.86	0	0.00	4	3.92	8	7.84	2	1.96	102	100.00
Bronchus & Lung	47	83.93	0	0.00	2	3.57	3	5.36	4	7.14	0	0.00	56	100.00
Leukemia	27	72.97	0	0.00	4	10.81	2	5.41	2	5.41	2	5.41	37	100.00
Urinary Bladder	25	71.43	2	5.71	3	8.57	1	2.86	3	8.57	1	2.86	35	100.00
Non-Hodgkin Lymphoma	25	75.76	1	3.03	0	0.00	2	6.06	3	9.09	2	6.06	33	100.00
Brain & Other CNS	17	56.67	1	3.33	1	3.33	3	10.00	6	20.00	2	6.67	30	100.00
Colorectal	13	76.47	1	5.88	1	5.88	1	5.88	0	0.00	1	5.88	17	100.00
Larynx	9	64.29	0	0.00	4	28.57	0	0.00	1	7.14	0	0.00	14	100.00
Liver	11	78.57	1	7.14	0	0.00	1	7.14	1	7.14	0	0.00	14	100.00
Stomach	11	78.57	0	0.00	0	0.00	2	14.29	1	7.14	0	0.00	14	100.00
Total	266	75.57	13	3.69	15	4.26	19	5.40	29	8.24	10	2.84	352	100.00

Al-Diwaniya

Population : 1,162,485

Cases Number :686

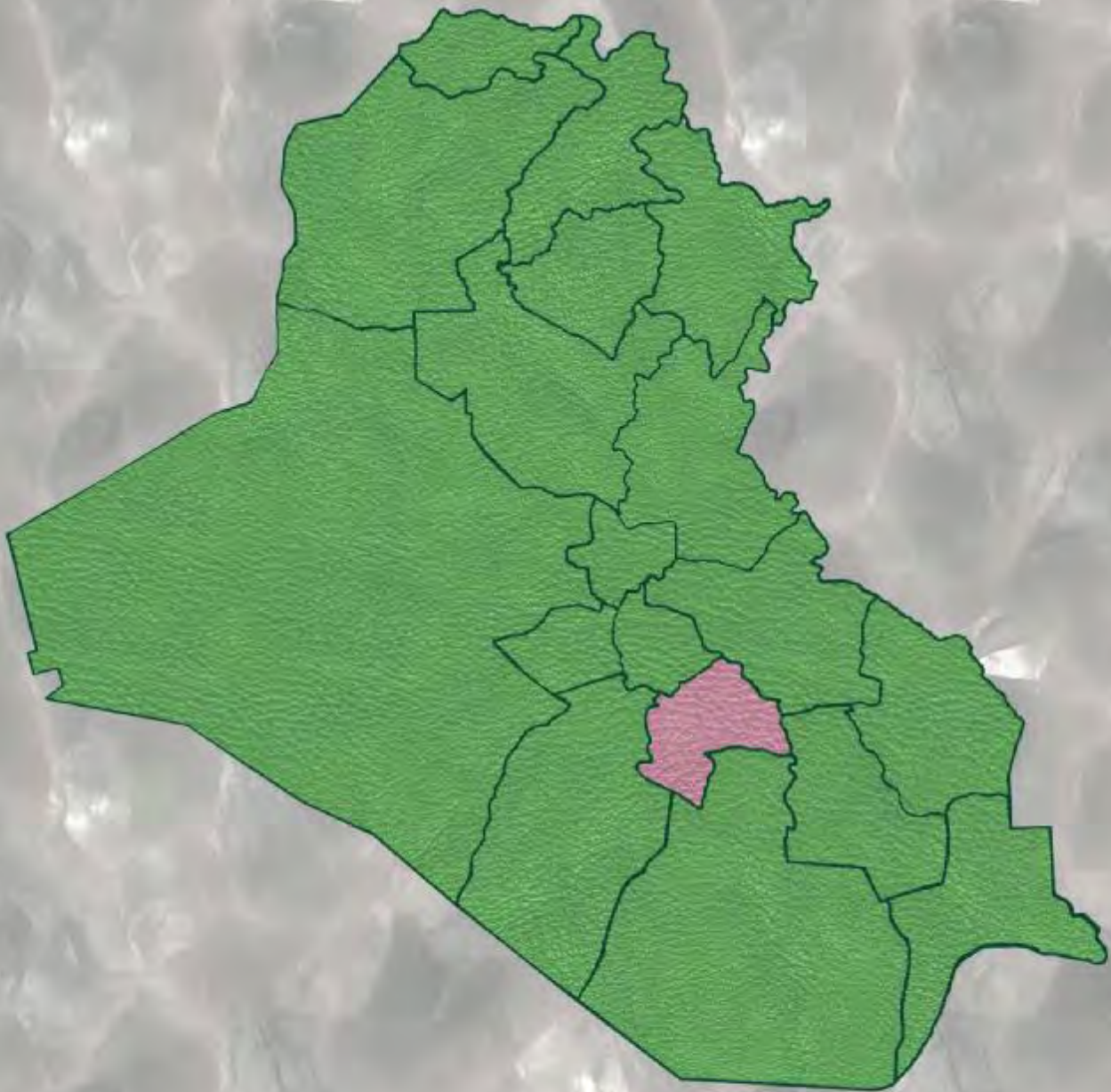


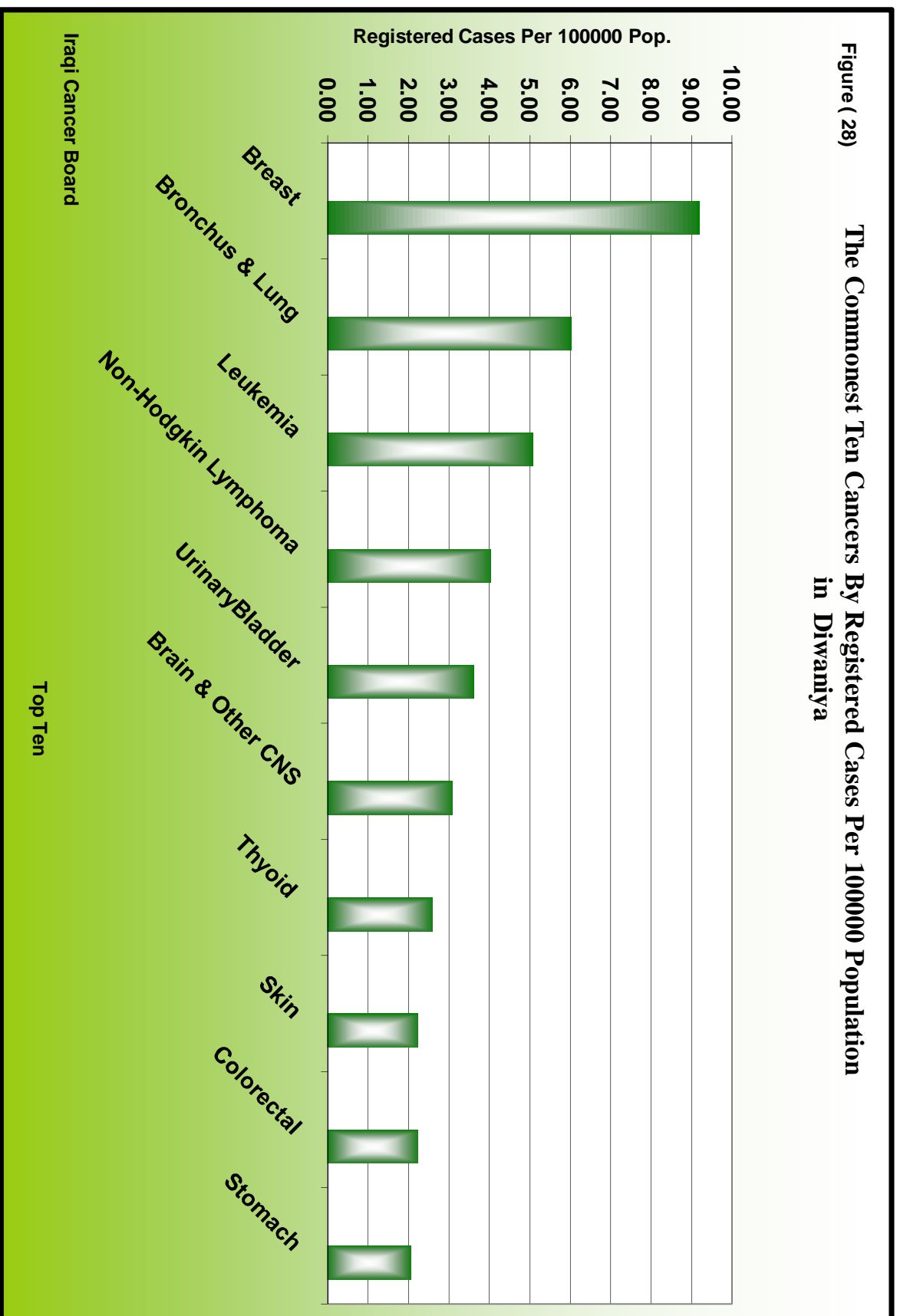
Table (33)

**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 /10⁵ POP.
1- BREAST	107	15.60	9.20
2- BRONCHUS&LUNG	70	10.20	6.02
3- LEUKEMIA	59	8.60	5.08
4- NON-HODGKIN LYMPHOMA	47	6.85	4.04
5- URINARY BLADDER	42	6.12	3.61
6- BRAIN & OTHER CNS	36	5.25	3.10
7-THYROID	30	4.37	2.58
8- SKIN	26	3.79	2.24
9- COLORECTAL	26	3.79	2.24
10-STOMACH	24	3.50	2.06
TOTAL TEN	467	68.08	40.17
ALL SITES	686	100.00	59.01

Population of *Diwaniya* Governorate in 2012(1162485)

Figure (28) The Commonest Ten Cancers By Registered Cases Per 100000 Population in Diwaniya



Iraqi Cancer Board

Top Ten

Table (34)

**The Commonest Ten Cancer in AL-Diwaniya Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	AL DIWANYIA		AFFAK		AL SHAMIAH		AL HAMZA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	78	72.90	4	3.74	11	10.28	14	13.08	107	100.00
Bronchus & Lung	39	55.71	4	5.71	14	20.00	13	18.57	70	100.00
Leukemia	33	55.93	8	13.56	11	18.64	7	11.86	59	100.00
Non-Hodgkin Lymphoma	38	80.85	2	4.26	5	10.64	2	4.26	47	100.00
Urinary Bladder	29	69.05	2	4.76	4	9.52	7	16.67	42	100.00
Brain & Other CNS	21	58.33	2	5.56	8	22.22	5	13.89	36	100.00
Thyroid	23	76.67	1	3.33	4	13.33	2	6.67	30	100.00
Skin	21	80.77	2	7.69	0	0.00	3	11.54	26	100.00
Colorectal	23	88.46	0	0.00	1	3.85	2	7.69	26	100.00
Stomach	16	66.67	1	4.17	5	20.83	2	8.33	24	100.00
Total	321	68.74	26	5.57	63	13.49	57	12.21	467	100.00

Thi-Qar

Population : 1,883,160

Cases Number :735

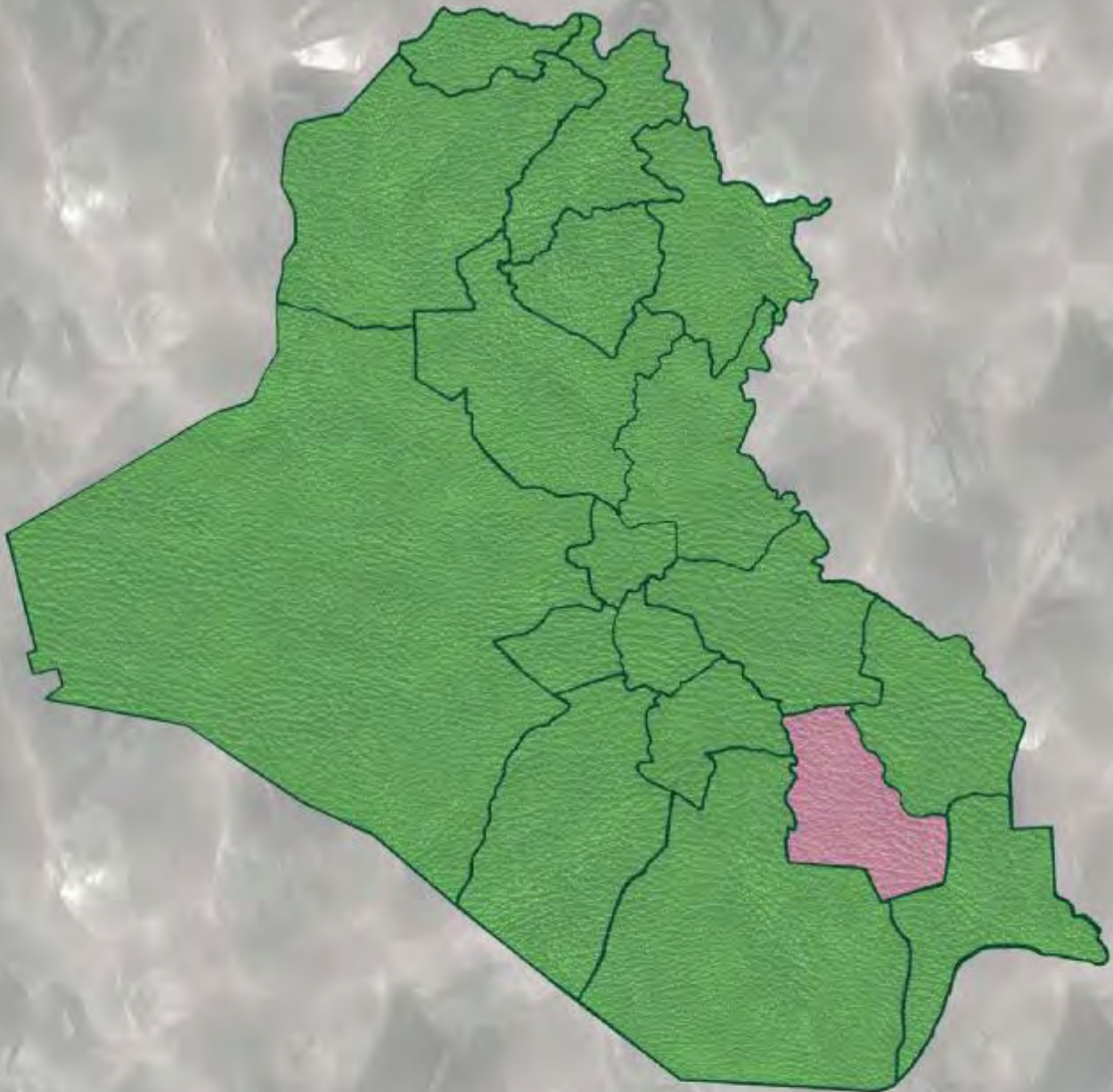


Table (35)

**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	114	15.51	6.05
2 LEUKEMIA	78	10.61	4.14
3- URINARY BLADDER	77	10.48	4.09
4- BRONCHUS&LUNG	53	7.21	2.81
5- NON-HODGKIN LYMPHOMA	43	5.85	2.28
6- BRAIN & OTHER CNS	41	5.58	2.18
7- COLORECTAL	34	4.63	1.81
8-THYROID	28	3.81	1.49
9- HODGKIN DISEASE	26	3.54	1.38
10- STOMACH	24	3.27	1.27
TOTAL TEN	518	70.48	27.51
ALL SITES	735	100.00	39.03

Population of: *The-Qar* Governorate in 2012(1883160)

Figuer (29) The Commonest Ten Cancers By Registered Cases Per 100000 Population
in Thi - Qar

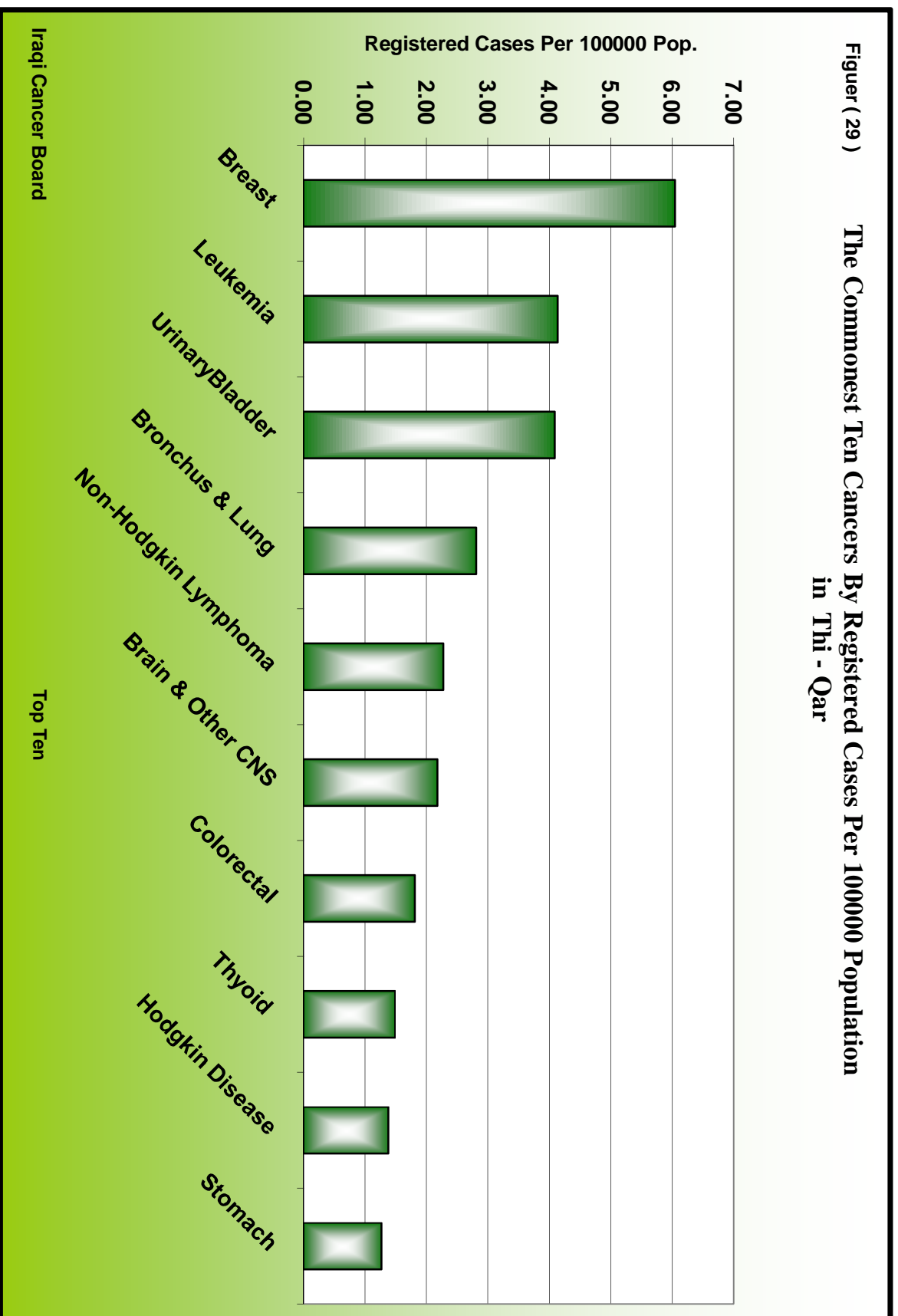


Table (36)

**The Commonest Ten Cancer in Thi-Qar Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	AL NASSIRYIAH		AL RIFFAEY		SOOK AL SHIOOKH		AL JABAISH		AL SHATTRA		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	56	49.12	9	7.89	18	15.79	10	8.77	21	18.42	114	100.00
Leukemia	39	50.00	7	8.97	9	11.54	3	3.85	20	25.64	78	100.00
Urinary Bladder	42	54.55	13	16.88	7	9.09	4	5.19	11	14.29	77	100.00
Bronchus & Lung	23	43.40	5	9.43	9	16.98	1	1.89	15	28.30	53	100.00
Non-Hodgkin lymphoma	19	44.19	9	20.93	6	13.95	3	6.98	6	13.95	43	100.00
Brain & Other CNS	20	48.78	11	26.83	3	7.32	2	4.88	5	12.20	41	100.00
Colorectal	19	55.88	5	14.71	6	17.65	0	0.00	4	11.76	34	100.00
Thyroid	9	32.14	8	28.57	0	0.00	0	0.00	11	39.29	28	100.00
Hodgkin Disease	8	30.77	8	30.77	1	3.85	4	15.38	5	19.23	26	100.00
Stomach	13	54.17	4	16.67	3	12.50	1	4.17	3	12.50	24	100.00
Total	248	47.88	79	15.25	62	11.97	28	5.41	101	19.50	518	100.00

Al-Basrah

Population : 2,601,790

Cases Number : 1638

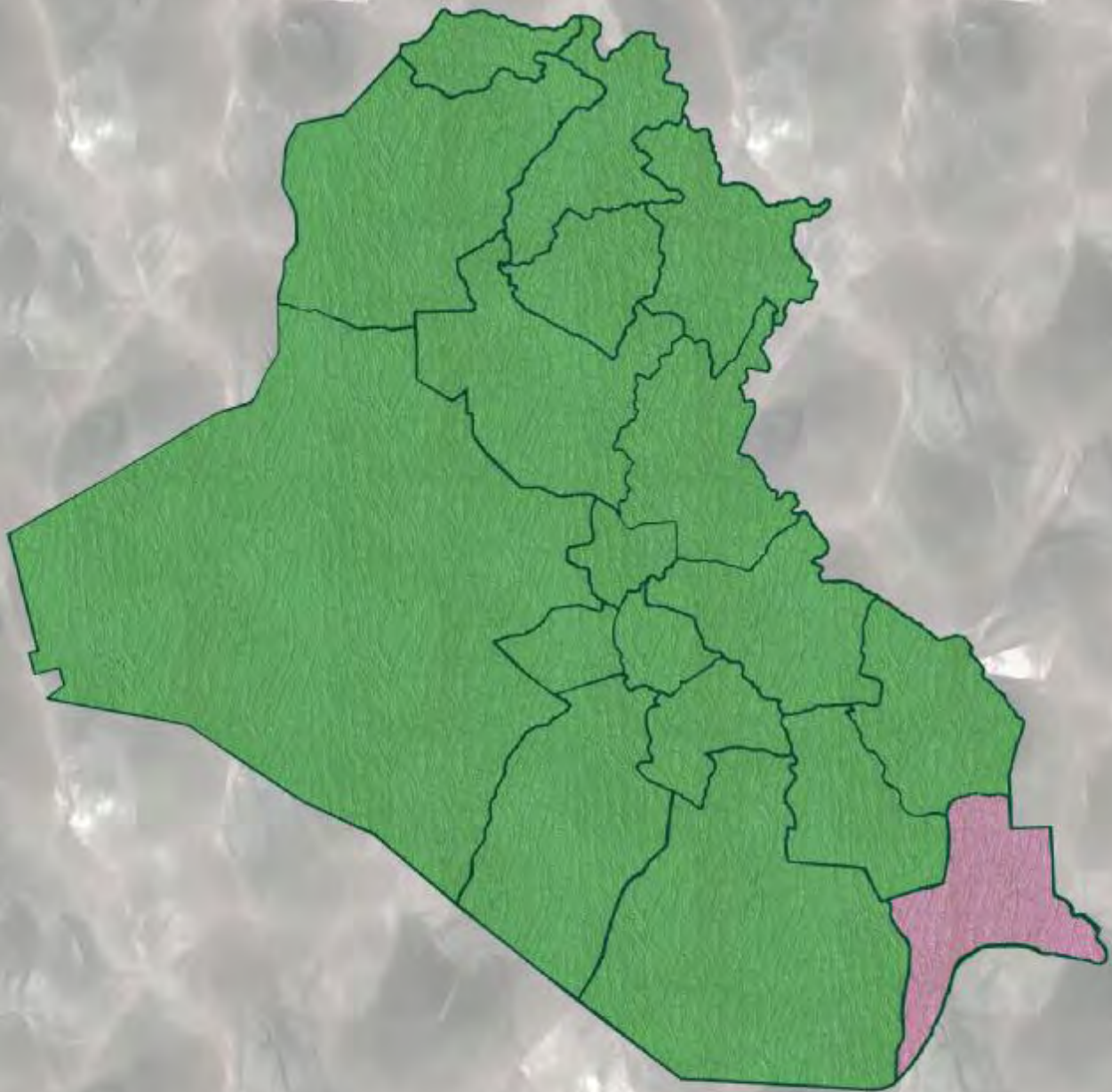


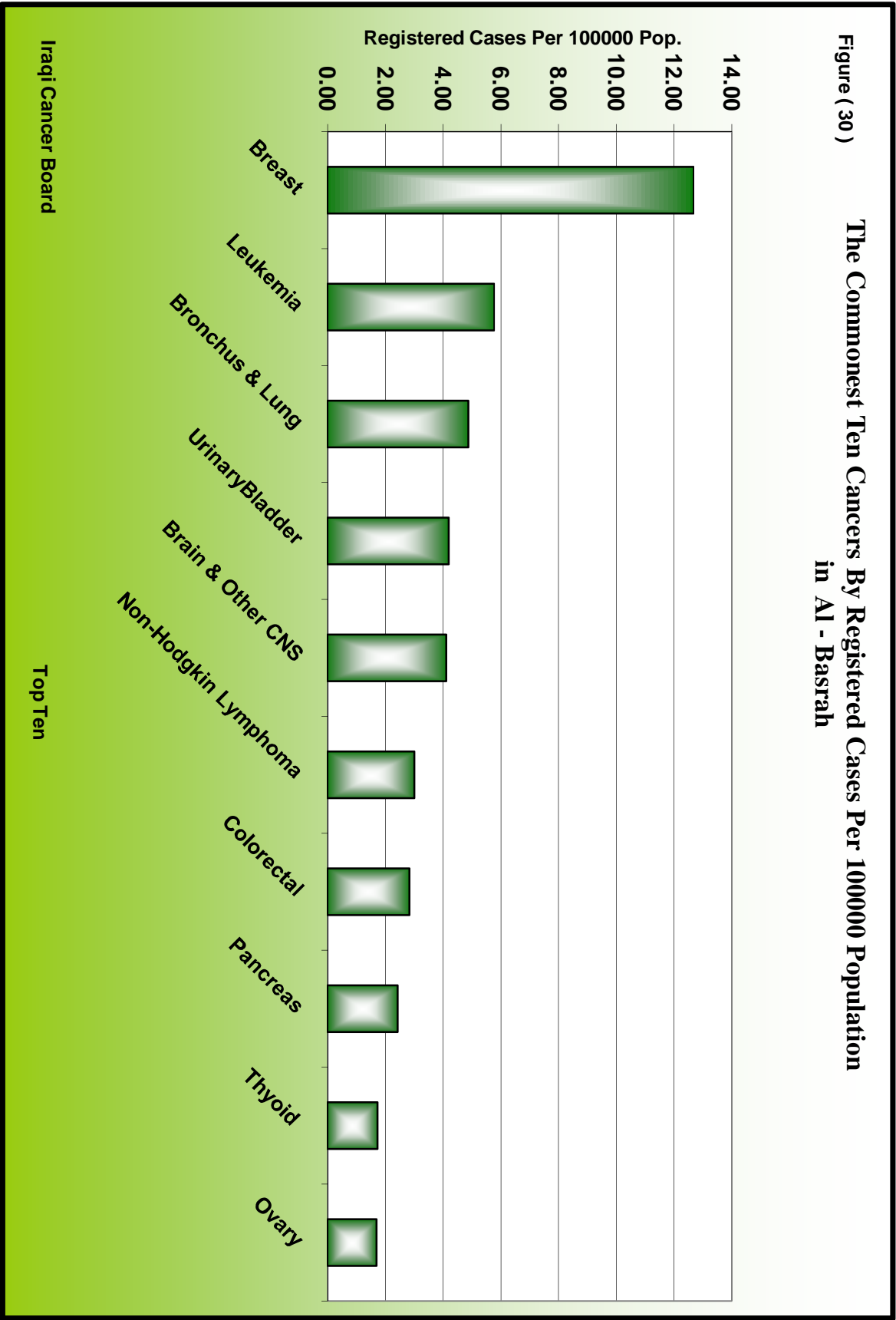
Table (37)

**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 /10⁵ POP.
1-BREAST	330	20.15	12.68
2-LEUKEMIA	150	9.16	5.77
3-BRONCHUS&LUNG	127	7.75	4.88
4- URINARY BLADDER	109	6.65	4.19
5- BRAIN & OTHER CNS	107	6.53	4.11
6- NON-HODGKIN LYMPHOMA	78	4.76	3.00
7-COLORECTAL	74	4.52	2.84
8-PANCREAS	63	3.85	2.42
9-THYROID	45	2.75	1.73
10-OVARY	44	2.69	1.69
TOTAL TEN	1127	68.80	43.32
ALL SITES	1638	100.00	62.96

Population of *AL- Basrah* Governorate in 2012(2601790)

Figure (30) The Commonest Ten Cancers By Registered Cases Per 100000 Population in Al - Basrah



Iraqi Cancer Board

Top Ten

Table (38)

**The Commonest Ten Cancer in Al- Basrah Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	BASRAH		ABU ALKHASSEB		AL ZUBAIR		AL QOORNA		AL-FAW		SHATT ALARAB		ALMIDAINAH		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	234	70.91	17	5.15	37	11.21	21	6.36	1	0.30	12	3.64	8	2.42	330	100.00
Leukemia	88	58.67	13	8.67	22	14.67	7	4.67	1	0.67	9	6.00	10	6.67	150	100.00
Bronchus & Lung	75	59.06	8	6.30	20	15.75	3	2.36	3	2.36	3	2.36	15	11.81	127	100.00
Urinary Bladder	65	59.63	10	9.17	10	9.17	12	11.01	3	2.75	4	3.67	5	4.59	109	100.00
Brain & Other CNS	62	57.94	4	3.74	22	20.56	5	4.67	1	0.93	9	8.41	4	3.74	107	100.00
Non-Hodgkin Lymphoma	45	57.69	8	10.26	11	14.10	6	7.69	0	0.00	2	2.56	6	7.69	78	100.00
Colorectal	47	63.51	11	14.86	9	12.16	2	2.70	0	0.00	2	2.70	3	4.05	74	100.00
Pancreas	42	66.67	4	6.35	8	12.70	5	7.94	1	1.59	2	3.17	1	1.59	63	100.00
Thyroid	24	53.33	2	4.44	7	15.56	3	6.67	1	2.22	1	2.22	7	15.56	45	100.00
Ovary	29	65.91	2	4.55	8	18.18	2	4.55	0	0.00	1	2.27	2	4.55	44	100.00
Total	711	63.09	79	7.01	154	13.66	66	5.86	11	0.98	45	3.99	61	5.41	1127	100.00

Al-Muthana

Population : 735905

Cases Number :343

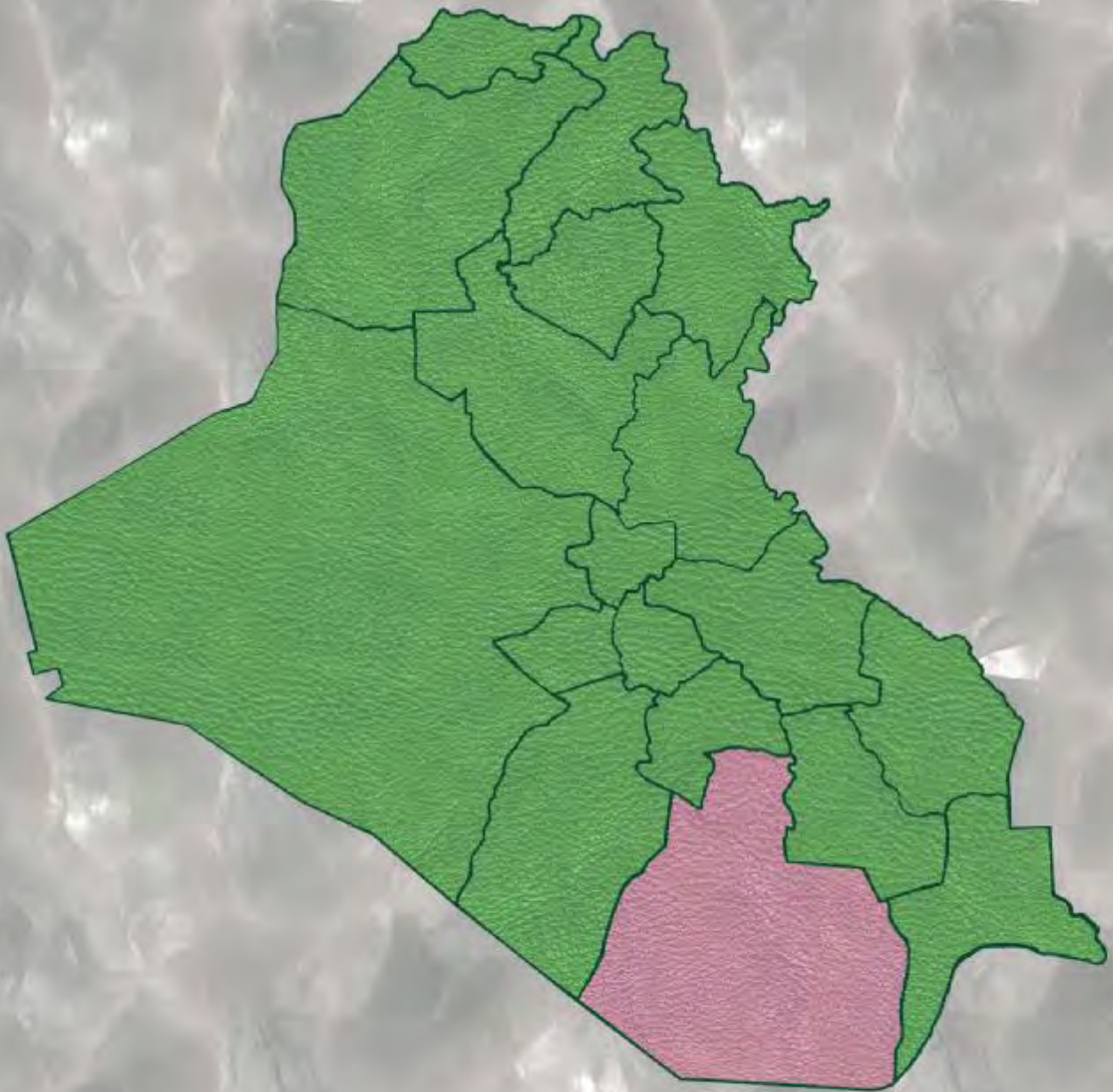


Table (39)

**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 /10⁵ POP.
1- BRONCHUS&LUNG	59	17.20	8.02
2- BREAST	40	11.66	5.44
3- LEUKEMIA	32	9.33	4.35
4- BRAIN & OTHER CNS	24	7.00	3.26
5- URINARY BLADDER	23	6.71	3.13
6- NON-HODGKIN LYMPHOMA	17	4.96	2.31
7- BONE&CARTILAGE,OTHER	15	4.37	2.04
8- THYROID	12	3.50	1.63
9- COLORECTAL	11	3.21	1.49
10-HODGKIN DISEASES	10	2.92	1.36
TOTAL TEN	243	70.85	33.02
ALL SITES	343	100.00	46.61

Population of *Al-Muthana* Governorate in 2012(735905)

Figure (31) The Commonest Ten Cancers By Registered Cases Per 100000 Population in Al - Muthana

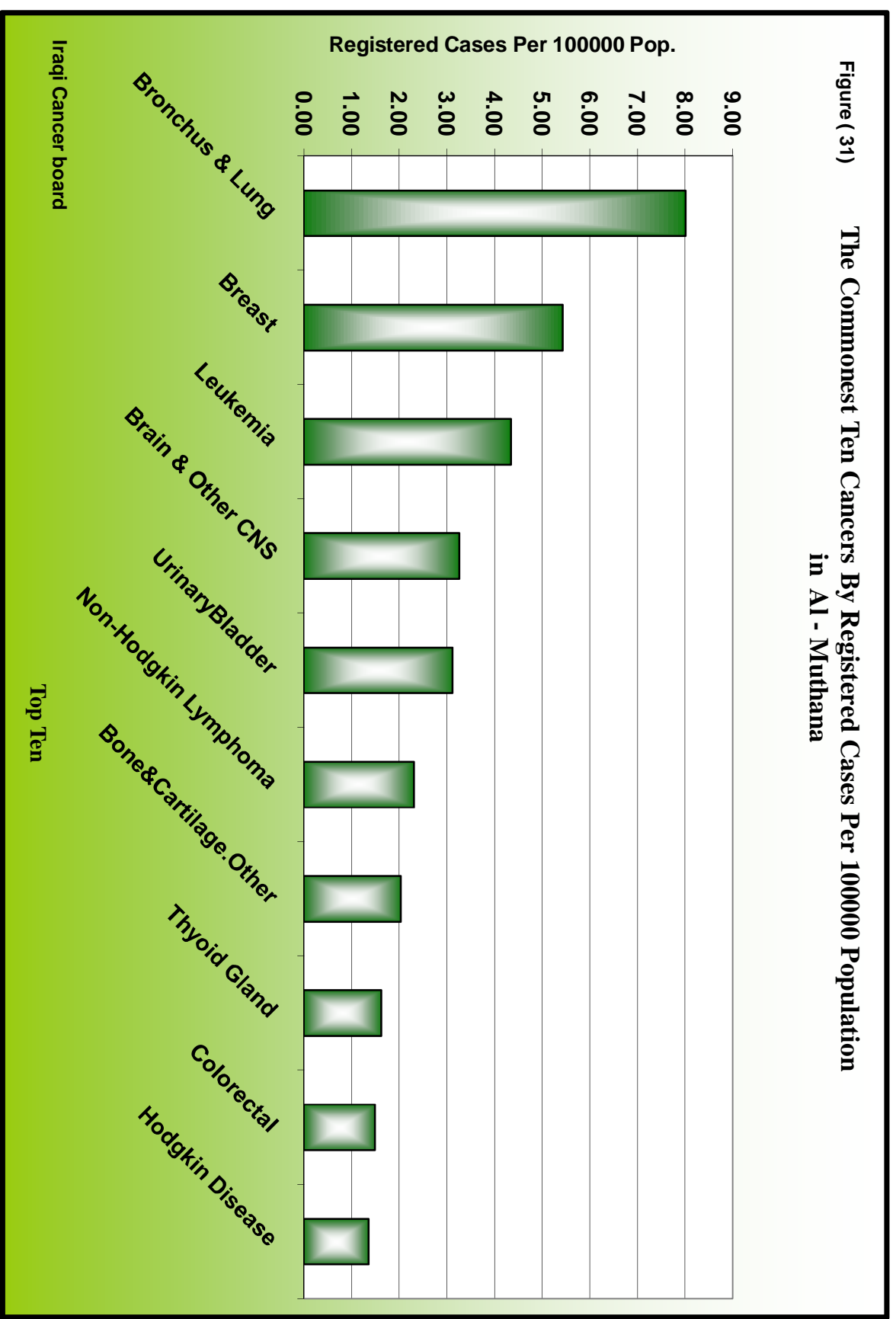


Table (40)

**The Commonest Ten Cancer in AL-Muthana Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	AL SAMAWA		AL RUMAITHA		AL SALMAN		AL KHIDHIR		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Bronchus & Lung	30	50.85	19	32.20	0	0	10	16.95	59	100.00
Breast	28	70.00	10	25.00	0	0	2	5.00	40	100.00
Leukemia	18	56.25	12	37.50	0	0	2	6.25	32	100.00
Brain &Other CNS	17	70.83	6	25.00	0	0	1	4.17	24	100.00
Urinary Bladder	18	78.26	3	13.04	0	0	2	8.70	23	100.00
Non-Hodgkin Lymphoma	11	64.71	5	29.41	0	0	1	5.88	17	100.00
Bone & cartilage ,other	11	73.33	2	13.33	0	0	2	13.33	15	100.00
Thyroid	11	91.67	1	8.33	0	0	0	0.00	12	100.00
Colorectal	8	72.73	3	27.27	0	0	0	0.00	11	100.00
Hodgkin Disease	4	40.00	3	30.00	0	0	3	30.00	10	100.00
Total	156	64.20	64	26.34	0	0	23	9.47	243	100.00

Al-Sulaimaniah

Population : 1,931,561

Cases Number :1094



Table (41)

**The Commonest Ten Cancers in *Sulaimania*
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	195	17.82	10.10
2-BRONCHUS & LUNG	98	8.96	5.07
3-COLORECTAL	77	7.04	3.99
4- URINARY BLADDER	58	5.30	3.00
5-LEUKEMIA	56	5.12	2.90
6-BRAIN & OTHER CNS	50	4.57	2.59
7-STOMACH	49	4.48	2.54
8-NON-HODGKIN LYMPHOMA	42	3.84	2.17
9-PROSTATE	37	3.38	1.92
10-SKIN	36	3.29	1.86
TOTAL TEN	698	63.80	36.14
ALL SITES	1094	100.00	56.64

Population of *Sulaimania* Governorate in 2012(1931561)

Figure (32)

The Commonest Ten Cancers By Registered Cases Per 100000 Population in
AL-Sulaimaniah

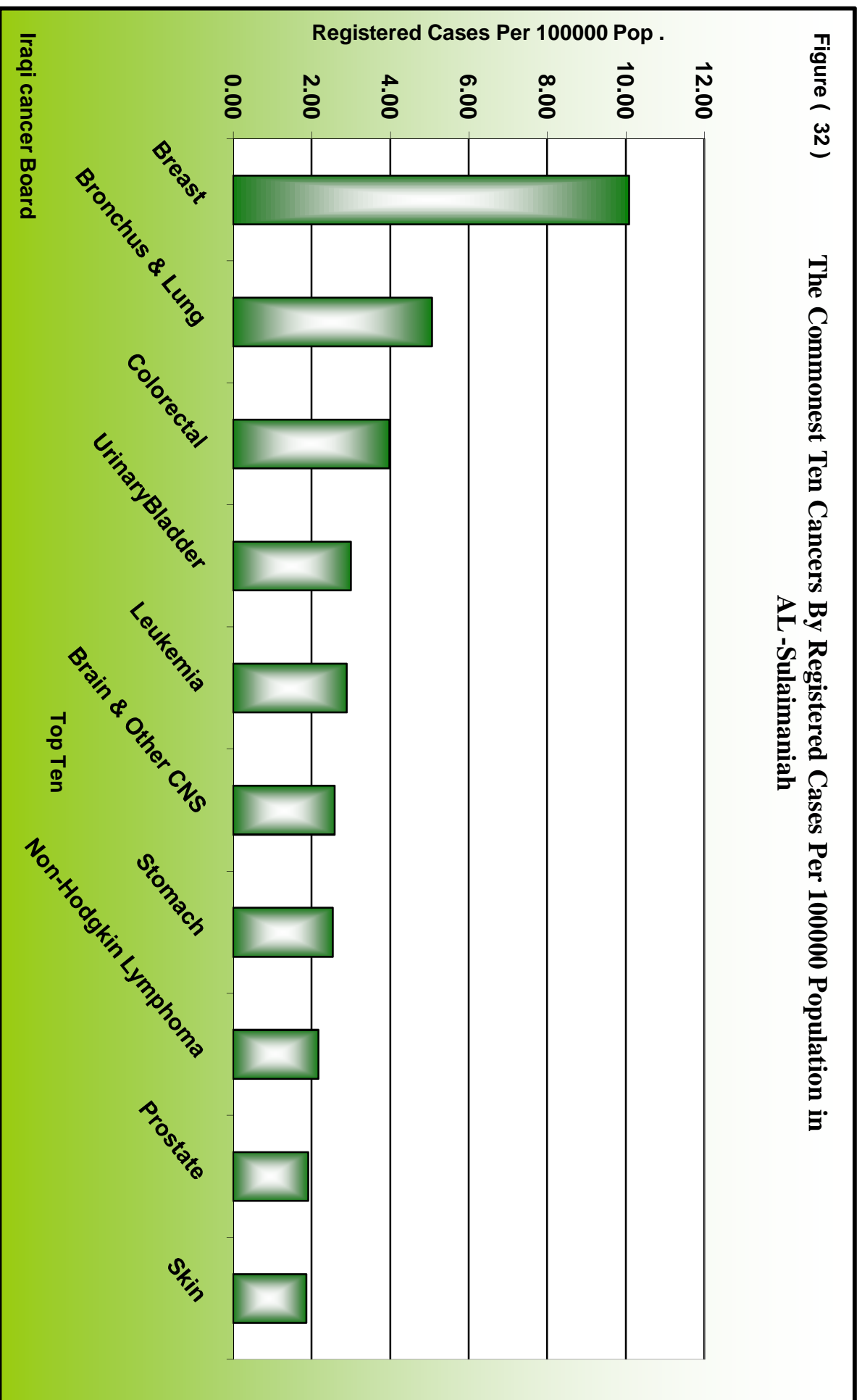


Table (42)

**The Commonest Ten Cancer in Al-Sulaimania Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	Al-Sulaimanya		Halabja		Bashdar		Rania		Dokan		Derbandykhan		Chamchamal		Kalar		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	145	74.36	4	2.05	3	1.54	13	6.67	2	1.03	8	4.10	7	3.59	13	6.67	195	100.00
Bronchus & Lung	68	69.39	3	3.06	4	4.08	8	8.16	1	1.02	2	2.04	5	5.10	7	7.14	98	100.00
Colorectal	53	68.83	4	5.19	4	5.19	4	5.19	1	1.30	1	1.30	5	6.49	5	6.49	77	100.00
Urinary Bladder	40	68.97	4	6.90	0	0.00	4	6.90	0	0.00	0	0.00	5	8.62	5	8.62	58	100.00
leukemia	48	85.71	1	1.79	1	1.79	3	5.36	0	0.00	0	0.00	1	1.79	2	3.57	56	100.00
Brain &Other CNS	34	68.00	2	4.00	2	4.00	2	4.00	1	2.00	4	8.00	3	6.00	2	4.00	50	100.00
Stomach	36	73.47	4	8.16	4	8.16	1	2.04	0	0.00	1	2.04	2	4.08	1	2.04	49	100.00
Non-Hodgkin Lymphoma	31	73.81	2	4.76	1	2.38	1	2.38	2	4.76	2	4.76	1	2.38	2	4.76	42	100.00
Prostate	26	70.27	2	5.41	0	0.00	3	8.11	1	2.70	1	2.70	0	0.00	4	10.81	37	100.00
Skin	27	75.00	0	0.00	3	8.33	2	5.56	0	0.00	1	2.78	1	2.78	2	5.56	36	100.00
Total	508	72.78	26	3.72	22	3.15	41	5.87	8	1.15	20	2.87	30	4.30	43	6.16	698	100.00

Duhok

Population : 1,158,633

Cases Number :387



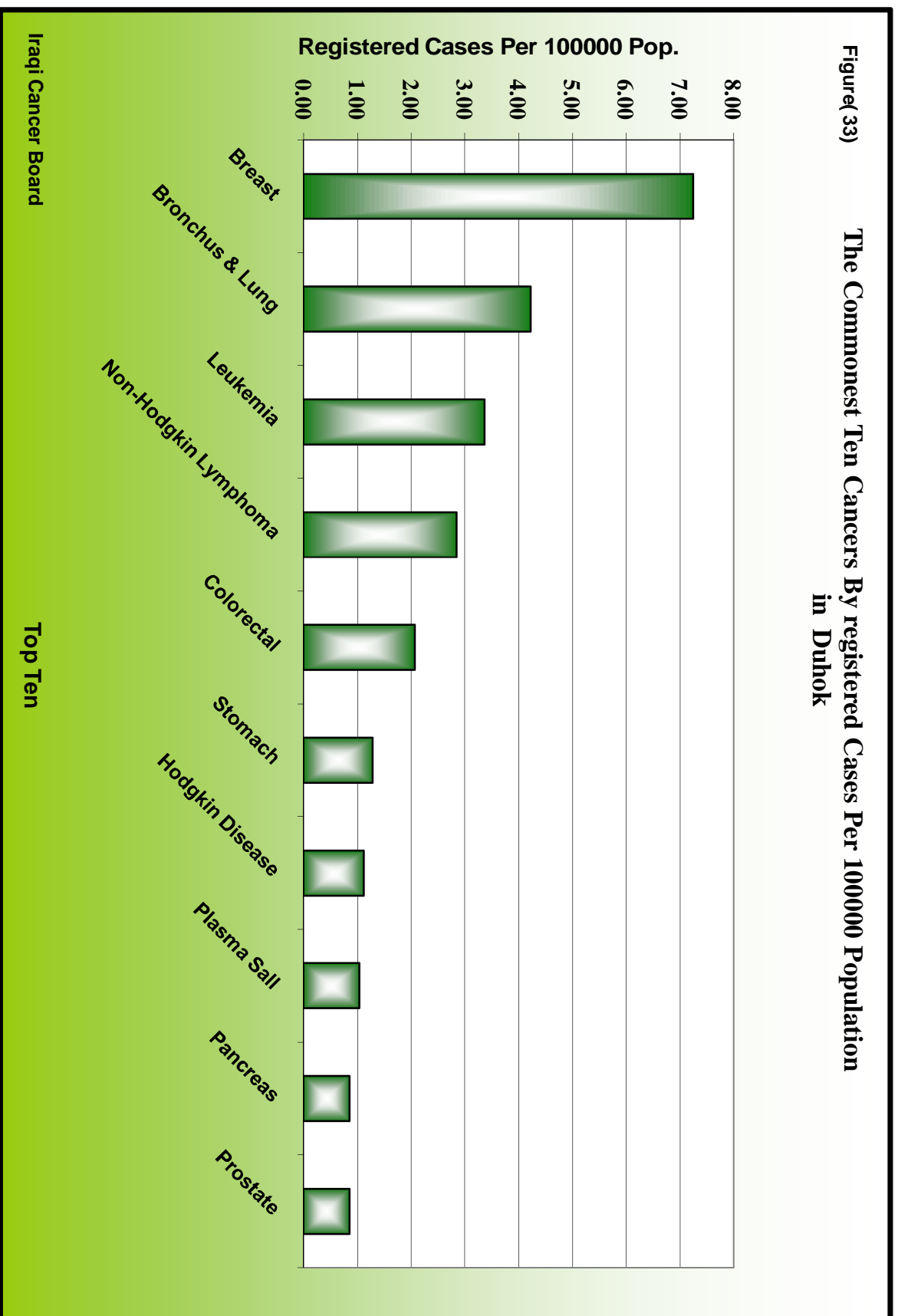
Table (43)

**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 /10⁵ POP.
1- BREAST	84	21.71	7.25
2-BRONCHUS&LUNG	49	12.66	4.23
3- LEUKEMIA	39	10.08	3.37
4- NON-HODGKIN LYMPHOMA	33	8.53	2.85
5- COLORECTAL	24	6.20	2.07
6- STOMACH	15	3.88	1.29
7- HODGKIN DISEASE	13	3.36	1.12
8- PLASMA SALL	12	3.10	1.04
9- PANCREAS	10	2.58	0.86
10- PROSTATE	10	2.58	0.86
TOTAL TEN	289	74.68	24.94
ALL SITES	387	100.00	33.40

Population of *Duhok* Governorate in 2012(1158633)

Figure(33) The Commonest Ten Cancers By registered Cases Per 100000 Population in Duhok



Iraqi Cancer Board

Top Ten

Table (44)

**The Commonest Ten Cancer in Duhok Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	Duhok		Al-Armadyia		Zakho		Smeel		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	69	82.14	1	1.19	11	13.10	3	3.57	84	100.00
Bronchus & Lung	33	67.35	2	4.08	12	24.49	2	4.08	49	100.00
Leukemia	27	69.23	1	2.56	8	20.51	3	7.69	39	100.00
Non - Hodgkin Lymphoma	24	72.73	4	12.12	5	15.15	0	0.00	33	100.00
Colorectal	15	62.50	1	4.17	7	29.17	1	4.17	24	100.00
Stomach	10	66.67	2	13.33	3	20.00	0	0.00	15	100.00
Hodgkin Disease	10	76.92	0	0.00	3	23.08	0	0.00	13	100.00
Plasma sall tumor	8	66.67	1	8.33	3	25.00	0	0.00	12	100.00
Pancreas	8	80.00	1	10.00	0	0.00	1	10.00	10	100.00
Prostate	8	80.00	0	0.00	2	20.00	0	0.00	10	100.00
Total	212	73.36	13	4.50	54	18.69	10	3.46	289	100.00

Erbil

Population : 1,657,684

Cases Number :403



Table (45)

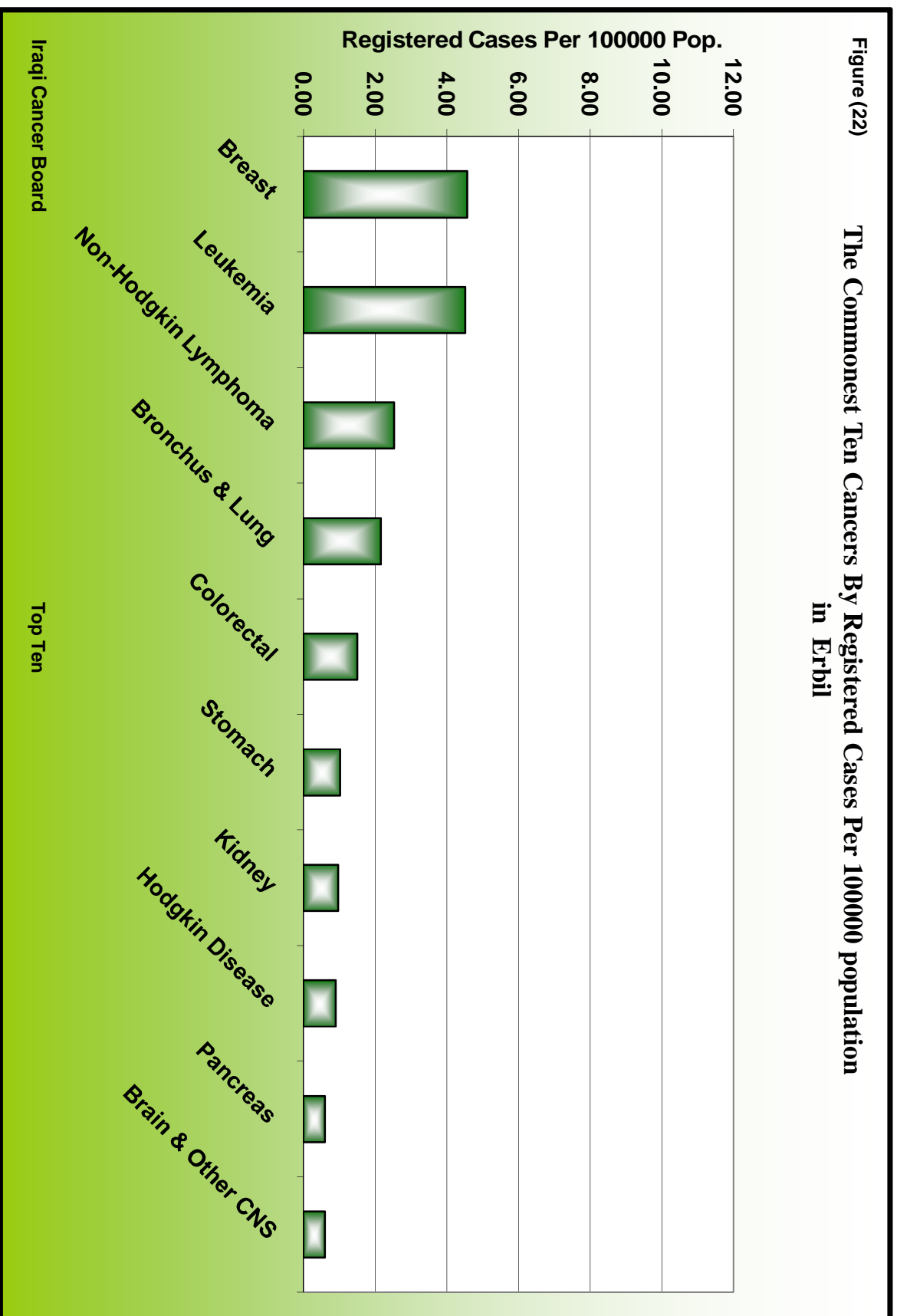
The Commonest Ten Cancers in *Erbil*
Number of New Cases by Primary Site, Percentage of Total
And Registered Cases /100,000 Population

PRIMARY SITE	NO. OF CASES	% OF TOTAL	REGISTERED CASES /10⁵ POP.
1- BREAST	76	18.86	4.58
2- LEUKEMIA	75	18.61	4.52
3- NON-HODGKIN LYMPHOMA	42	10.42	2.53
4- BRONCHUS&LUNG	36	8.93	2.17
5- COLORECTAL	25	6.20	1.51
6- STOMACH	17	4.22	1.03
7- KIDNEY	16	3.97	0.97
8- HODGKIN DISEASE	15	3.72	0.90
9- PANCREAS	10	2.48	0.60
10- BRAIN & OTHER CNS	10	2.48	0.60
TOTAL TEN	322	79.90	19.42
ALL SITES	403	100.00	24.31

Population of *Erbil* Governorate in 2012(1657684)

Figure (22)

The Commonest Ten Cancers By Registered Cases Per 100000 population in Erbil



Iraqi Cancer Board

Top Ten

Table (46)

**The Commonest Ten Cancer in Erbil Districts
Number of New Cases by Primary Site , Percentage of Total in 2012**

TOP TEN	Erbil		Maknmoor		Al-Siddiq		Al-Zibbar		Shaqlawwa		TOTAL	
	NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
Breast	69	90.79	2	2.63	2	2.63	1	1.32	2	0.00	76	100.00
Leukemia	67	89.33	2	2.67	3	4.00	1	1.33	2	2.67	75	100.00
Non- Hodgkin Lymphoma	34	80.95	0	0.00	2	4.76	3	7.14	3	7.14	42	100.00
Bronchus & Lung	29	80.56	3	8.33	0	0.00	1	2.78	3	8.33	36	100.00
Colorectal	23	92.00	0	0.00	0	0.00	2	8.00	0	0.00	25	100.00
Stomach	14	82.35	0	0.00	0	0.00	1	5.88	2	11.76	17	100.00
Kidney	15	93.75	0	0.00	0	0.00	0	0.00	1	6.25	16	100.00
Hodgkin Disease	12	80.00	1	6.67	0	0.00	1	6.67	1	6.67	15	100.00
Pancreas	9	90.00	0	0.00	0	0.00	0	0.00	1	10.00	10	100.00
Brain &Other CNS	9	90.00	1	10.00	0	0.00	0	0.00	0	0.00	10	100.00
Total	281	87.27	9	2.80	7	2.17	10	3.11	15	4.66	322	100.00

Table (47)
Distribution of Cancer Cases According to Sex And Provinces

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	2	1	1	1	1	1	0	0	0	2
Tongue, base	C01	0	1	2	1	0	0	0	0	0	0	0	1
Tongue, other	C02	11	4	0	1	0	1	1	1	3	1	3	0
Gum	C03	0	1	2	2	0	0	0	0	0	0	0	1
Mouth, floor	C04	1	2	0	0	0	0	0	0	0	0	0	0
Mouth, palate	C05	1	0	0	0	1	0	0	1	0	0	0	0
Mouth, other	C06	9	7	0	0	0	0	2	0	1	0	0	0
Parotid gland	C07	8	10	0	0	0	0	1	1	1	0	1	0
Salivary glands, other	C08	4	5	3	4	1	0	2	0	1	2	1	0
Tonsil	C09	2	1	0	0	0	0	0	0	0	0	0	0
Oropharynx	C10	4	1	2	0	0	0	0	1	0	1	1	1
Nasopharynx	C11	25	13	5	5	3	0	4	1	1	1	3	1
Pyriform sinus	C12	2	0	0	0	0	0	0	0	0	0	0	0
Hypopharynx	C13	3	3	1	0	2	1	0	0	0	0	0	0
Other Lip, Oral, Pharynx	C14	2	2	4	8	0	0	4	1	0	1	0	1
Oesophagus	C15	22	15	6	4	6	5	4	2	2	0	2	2
Stomach	C16	92	79	47	47	20	11	29	16	5	7	11	10
Small intestine	C17	8	11	5	2	2	0	2	2	1	1	0	1
Colon	C18	111	81	40	40	20	13	18	23	8	10	7	11
Rectosigmoid junction	C19	5	3	0	0	0	2	1	3	1	0	1	0
Rectum	C20	45	32	17	11	9	5	4	7	5	3	9	4
Anus & anal canal	C21	3	2	0	0	0	0	0	1	0	0	2	1
Liver & bile ducts	C22	59	67	31	27	9	12	9	7	0	1	2	3
Gallbladder	C23	15	18	2	7	2	5	1	2	0	0	0	0
Biliary tract, other	C24	4	2	5	1	1	0	0	0	0	0	0	1
Pancreas	C25	75	44	29	24	11	6	10	9	4	6	4	3
Other digestive organs	C26	2	0	1	5	1	1	1	0	0	0	0	0
Nasal cavity, middle ear	C30	9	5	1	2	1	0	1	0	0	0	0	0
Accessory sinuses	C31	3	4	1	0	0	0	0	0	3	0	1	0
Larynx	C32	96	23	48	11	11	4	8	2	10	2	11	6
Trachea	C33	0	0	0	0	0	0	0	0	0	0	0	0
Bronchus & lung	C34	318	116	189	42	52	21	61	21	22	4	37	9
Thymus	C37	4	0	0	0	0	0	0	0	0	0	0	0
Heart, mediast. pleura	C38	14	12	1	0	0	2	1	0	0	1	1	0
Other respir. & thoracic	C39	1	1	0	0	0	1	0	0	0	0	0	0
Bone & cartilage, limbs	C40	25	10	1	0	0	3	8	2	3	2	2	1
Bone & cartilage, other	C41	40	32	16	10	4	4	2	2	2	1	4	3
Bon Marrow (for leukemia, see below)	C42	0	1	0	0	1	0	0	0	0	0	1	1
Skin, other	C44	123	83	27	19	31	27	26	16	16	20	23	30
Nerves, periferal & ANS	C47	2	3	0	0	0	0	0	0	0	0	0	1
Peritoneum & Retroperit.	C48	1	8	0	1	3	5	0	0	0	0	2	1
Other connect./soft tiss	C49	55	40	18	9	11	4	4	7	8	8	14	12
Breast	C50	18	1325	9	322	1	143	1	118	2	93	6	145
Vulva	C51	0	5	0	1	0	0	0	0	0	0	0	1
Vagina	C52	0	8	0	1	0	0	0	0	0	0	0	1
Cervix uteri	C53	0	57	0	11	0	0	0	13	0	3	0	5

Uterus unspecified	C55	0	57	0	24	0	17	0	4	0	4	0	3
Ovary	C56	0	127	0	47	0	8	0	22	0	10	0	16
Female genital, other	C57	0	1	0	0	0	0	0	0	0	0	0	3
Placenta	C58	0	22	0	6	0	0	0	3	0	2	0	2
Penis	C60	0	0	0	0	0	0	0	0	0	0	0	0
Prostate	C61	139	0	51	0	17	0	20	0	11	0	9	0
Testis	C62	31	0	14	0	2	0	4	0	8	0	3	0
Male genital, other	C63	1	0	0	0	0	0	0	0	1	0	0	0
Kidney, not renal pelvis	C64	74	48	24	12	6	7	15	14	7	3	10	6
Renal pelvis	C65	0	0	0	0	0	0	0	0	0	0	0	0
Ureter	C66	1	0	0	0	0	0	0	0	0	0	0	0
Bladder	C67	241	72	54	7	20	5	37	12	23	6	14	7
Urinary organs, other	C68	1	1	0	0	1	0	0	0	0	0	0	0
Eye & adnexa	C69	8	9	2	6	1	1	3	1	0	0	1	1
Meninges	C70	32	60	0	3	2	1	2	1	0	2	2	2
Brain	C71	159	179	72	52	20	11	25	24	16	11	16	13
Nervous system, other	C72	13	6	4	6	0		0	0	2	1	0	1
Thyroid gland	C73	32	114	6	7	2	11	10	27	6	12	1	13
Adrenal gland	C74	6	6	1	1	4	1	0	5	0	0	0	1
Endocrine glands, other	C75	13	12	0	0	1	1	1	0	3	0	3	1
Unspecified sites	C76	10	15	15	17	5	1	3	10	0	1	0	1
Lymph Nodes ¹	C77	0	0	0	1	0	0	0	0	0	0	0	0
Unknown primary site	C80	97	101	11	8	11	9	18	7	6	4	11	13

Malignant Tumors Sorted By Morphology

Non-Hodgkin, lymphoma		124	0	58	46	23	16	52	41	14	15	29	14
Hodgkin diseases		51	63	25	30	10	8	25	13	13	8	8	7
Plasma cell tumor		14	16	5	9	2	2	2	0	4	1	3	1
Mast cell tumor		0	0	0	0	0	0	0	0	0	0	0	0
Immunoproliferative diseases		0	0	0	0	0	0	0	0	0	0	0	0
leukemia		150	152	88	55	25	21	36	19	31	16	26	17
Chronic myeloproliferative disorders		2	1	0	0	0	0	0	0	0	0	0	0
Myelodysplastic syndromes		3	1	0	0	0	0	0	0	0	0	0	0
Total		2430	3407	945	958	356	400	459	466	244	269	285	386

Cervix uteri	C53	0	0	0	3	0	0	0	0	0	0	0	0
Corpus uteri	C54	0	3	0	16	0	2	0	6	0	6	0	3
Uterus unspecified	C55	0	7	0	7	0	2	0	5	0	2	0	0
Ovary	C56	0	2	0	20	0	3	0	14	0	5	0	2
Female genital, other	C57	0	25	0	31	0	11	0	25	0	18	0	4
Placenta	C58	0	0	0	0	0	1	0	2	0	0	0	0
Penis	C60	0	10	0	15	0	0	0	1	0	2	0	0
Prostate	C61	0	0	0	0	0	0	1	0	0	0	0	0
Testis	C62	11	0	29	0	4	0	52	0	18	0	11	0
Male genital, other	C63	5	0	7	0	1	0	3	0	7	0	2	0
Kidney, not renal pelvis	C64	0	0	0	0	0	0	0	0	0	0	0	0
Renal pelvis	C65	10	11	23	16	1	5	11	9	2	3	0	3
Ureter	C66	0	0	0	0	0	0	1	0	0	0	0	0
Bladder	C67	0	0	0	0	0	0	0	0	0	0	0	0
Urinary organs, other	C68	63	31	59	22	20	9	42	11	7	5	6	1
Eye & adnexa	C69	0	0	0	0	0	0	0	1	0	0	0	0
Meninges	C70	1	0	2	1	0	2	0	1	0	0	0	1
Brain	C71	1	4	3	2	1	2	0	0	0	1	0	0
Nervous system, other	C72	25	24	37	39	5	8	37	17	4	4	4	7
Thyroid gland	C73	0	0	1	0	1	0	0	0	0	0	0	0
Adrenal gland	C74	7	38	8	18	3	11	4	21	2	1	2	3
Endocrine glands, other	C75	1	1	4	5	0	0	0	0	1	0	0	0
Unspecified sites	C76	3	0	1	2	0	1	2	1	0	0	0	0
Lymph Nodes	C77	8	6	8	6	0	0	1	0	1	3	1	2
Unknown primary site	C80	0	1	0	0	0	0	0	0	0	0	0	0

Malignant Tumors Sorted By Morphology

Non-Hodgkin, lymphomas		34	22	53	37	15	3	23	11	23	16	28	9
Hodgkin diseases		11	10	20	14	6	2	16	11	7	5	14	5
Plasma cell tumor		2	2	12	8	3	1	8	7	6	5	9	6
Multiple myeloma		0	0	5	6	0	0	0	0	0	0	0	0
Mast cell tumor		0	0	0	0	0	0	0	0	0	0	0	0
Immunoproliferative diseases		0	0	0	0	0	0	0	0	0	0	0	0
leukemia		31	31	84	55	14	13	36	42	21	19	48	26
Chronic myeloproliferative disorders		1	0	0	0	0	0	0	0	0	0	0	0
Myelodysplastic syndromes		0	0	8	4	0	0	0	0	1	0	0	1
Total		421	480	653	767	174	184	554	548	211	274	189	165

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	0	0	2	2	1	2	0	0	0
Tongue, base	C01	0	0	0	0	0	0	0	0	0	0	0	0
Tongue, other	C02	1	0	2	1	3	0	1	2	0	3	0	2
Gum	C03	0	0	0	0	0	0	0	0	1	0	0	0
Mouth, floor	C04	0	0	0	0	0	0	0	0	2	1	0	1
Mouth, palate	C05	0	0	0	1	0	0	0	0	0	1	1	0
Mouth, other	C06	0	0	1	1	2	0	0	0	0	0	0	3
Parotid gland	C07	2	0	1	1	0	3	0	1	0	0	1	0
Salivary glands, other	C08	0	2	1	2	0	0	0	0	0	1	0	1
Tonsil	C09	0	0	0	0	1	0	0	0	0	0	0	0
Oropharynx	C10	2	0	0	0	0	0	0	0	1	2	0	1
Nasopharynx	C11	2	2	5	3	8	2	2	1	0	1	6	2
Pyriform sinus	C12	0	0	1	0	0	0	0	0	0	0	0	0
Hypopharynx	C13	0	0	0	0	0	2	0	1	1	0	2	2
Other Lip, Oral, Pharynx	C14	0	0	0	0	1	1	1	0	0	0	0	1
Oesophagus	C15	1	1	6	4	4	8	4	2	2	3	2	0
Stomach	C16	5	3	20	18	16	24	3	6	10	2	6	8
Small intestine	C17	1	0	4	1	2	2	0	0	3	6	1	0
Colon	C18	9	4	20	12	17	12	9	12	8	10	9	11
Rectosigmoid junction	C19	1	0	1	0	0	1	0	1	1	0	0	1
Rectum	C20	2	3	4	5	12	6	5	3	2	0	9	6
Anus & anal canal	C21	0	0	2	0	0	1	1	1	1	0	0	0
Liver & bile ducts	C22	3	1	21	15	16	13	9	10	15	13	10	8
Gallbladder	C23	0	3	1	2	1	6	0	5	1	2	0	2
Biliary tract, other	C24	0	0	0	1	1	1	0	0	0	0	0	1
Pancreas	C25	3	5	11	7	26	22	5	4	5	2	4	10
Other digestive organs	C26	0	0	8	1	0	0	0	0	0	1	0	0
Nasal cavity, middle ear	C30	0	1	0	1	1	0	0	2	0	0	0	0
Accessory sinuses	C31	0	0	0	0	0	1	0	0	0	1	0	0
Larynx	C32	4	2	6	6	16	9	17	2	14	4	24	8
Trachea	C33	0	0	0	0	0	0	0	0	0	0	0	0
Bronchus & lung	C34	40	7	64	33	102	38	52	15	48	7	59	28
Thymus	C37	0	0	0	0	1	0	1	1	0	0	0	1
Heart, mediast. pleura	C38	0	0	0	1	1	1	0	4	1	0	2	0
Other respir. & thoracic	C39	0	0	0	0	0	0	0	0	1	0	0	0
Bone & cartilage, limbs	C40	1	2	3	0	6	5	3	2	1	0	4	4
Bone & cartilage, other	C41	3	0	4	1	5	4	3	2	9	2	6	0
Bon Marrow (for leukemia, see below)	C42	0	0	1	0	0	0	0	0	0	0	0	0
Skin, other	C44	3	3	21	13	14	12	9	8	6	5	17	21
Nerves, periferal & ANS	C47	0	0	0	0	0	0	0	0	1	0	0	0
Peritoneum & Retroperit.	C48	0	0	0	1	0	1	0	1	1	1	1	0
Other connect./soft tiss	C49	4	2	3	6	14	9	5	3	3	0	7	5

Breast	C50	3	94	0	174	1	166	3	95	3	58	1	75
Vulva	C51	0	1	0	0	0	1	0	0	0	0	0	2
Vagina	C52	0	0	0	0	0	0	0	0	0	0	0	1
Cervix uteri	C53	0	6	0	6	0	11	0	8	0	3	0	5
Corpus uteri	C54	0	4	0	3	0	7	0	6	0	0	0	3
Uterus unspecified	C55	0	4	0	7	0	17	0	4	0	4	0	11
Ovary	C56	0	13	0	18	0	32	0	7	0	8	0	10
Female genital, other	C57	0	1	0	3	0	1	0	0	0	0	0	0
Placenta	C58	0	1	0	0	0	2	0	1	0	4	0	0
Penis	C60	0	0	0	0	0	0	0	0	0	0	0	0
Prostate	C61	5	0	18	0	35	0	10	0	9	0	10	0
Testis	C62	2	0	6	0	11	0	5	0	1	0	7	0
Male genital, other	C63	0	0	0	0	0	0	0	0	0	0	0	0
Kidney, not renal pelvis	C64	8	3	12	14	12	7	10	6	9	2	8	3
Renal pelvis	C65	0	0	0	0	1	0	0	0	1	0	0	0
Ureter	C66	0	0	0	0	0	0	0	0	0	0	0	0
Bladder	C67	26	8	42	15	55	18	46	26	34	12	35	19
Urinary organs, other	C68	0	1	0	1	0	0	0	0	0	0	0	0
Eye & adnexa	C69	1	1	1	3	3	2	1	1	0	1	0	1
Meninges	C70	0	1	0	1	3	3	2	2	6	2	1	1
Brain	C71	7	5	19	19	40	34	14	21	17	13	17	14
Nervous system, other	C72	0	0	0	1	0	1	0	4	0	0	1	0
Thyroid gland	C73	2	6	5	21	2	11	4	5	3	4	1	16
Adrenal gland	C74	0	0	0	1	2	1	0	0	1	1	1	1
Endocrine glands, other	C75	1	0	2	0	3	1	0	1	2	0	0	1
Unspecified sites	C76	2	0	0	3	1	1	1	7	0	1	7	7
Lymph Nodes1	C77	0	0	0	0	0	0	0	0	0	0	0	0
Unknown primary site	C80	4	3	2	8	12	9	10	4	18	8	4	4

Malignant Tumors Sorted By Morphology

Non-Hodgkin, lymphoma		9	9	24	16	36	32	17	14	15	9	30	15
Hodgkin diseases		8	7	13	5	6	2	2	6	3	3	13	6
Plasma cell tumor		2	5	2	0	10	6	1	0	5	1	2	2
Mast cell tumor		0	0	0	0	0	0	0	0	0	0	0	0
Multiple myeloma		0	1	0	0	0	0	0	0	1	0	1	0
Immunoproliferative diseases		0	0	0	0	0	0	0	0	0	0		
leukemia		25	18	46	36	59	36	24	15	24	26	24	18
Chronic myeloproliferative disorders		0	0	0	0	5	4	0	0	0	0	0	0
Myelodysplastic syndromes		0	0	0	0	2	2	0	0	0	0	0	0
Total		192	233	404	492	569	593	284	323	292	228	334	342

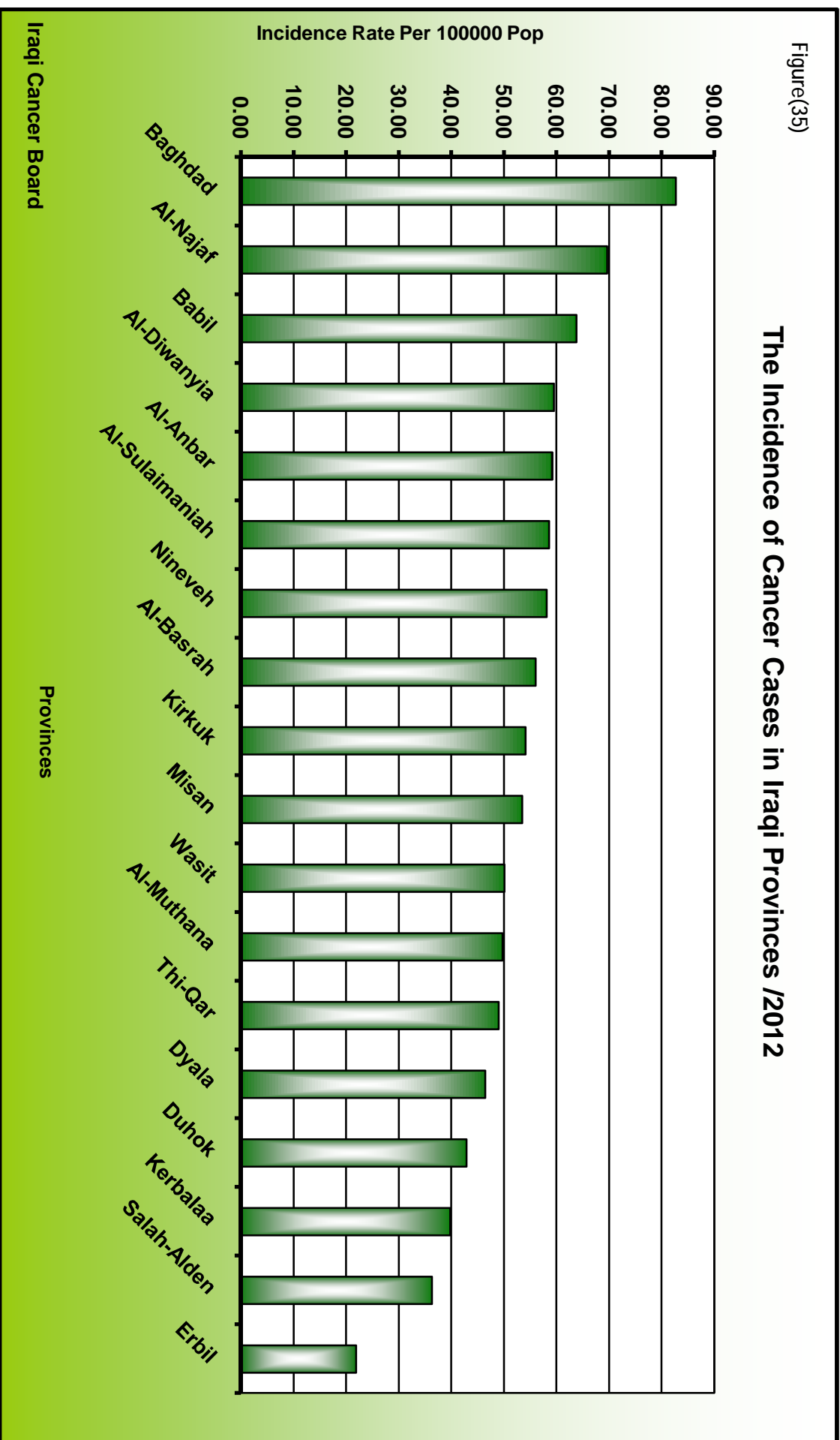
Table (48)
The Number of Cases, Percentage & Incidence Rate of
All Cancers in Provinces of Iraq in 2012

PROVINCE	NO.OF CASES	Males	Females	% OF TOTAL	INCIDENCE RATE
Baghdad	6197	2504	3693	29.37	85.41
Nineveh	1649	751	898	7.81	49.17
Al-Basrah	1638	700	938	7.76	62.96
Babil	1264	600	664	5.99	67.81
Al-Sulaimaniah	1094	520	574	5.18	56.64
Al-Anbar	835	370	465	3.96	52.23
Thi-Qar	735	358	377	3.48	39.03
Al-Najaf	920	422	498	4.36	69.72
Kirkuk	703	330	373	3.33	49.07
Al-Diwanyia	686	308	378	3.25	59.01
Dyala	709	282	427	3.36	47.98
Wasit	661	307	354	3.13	53.27
Misan	519	248	271	2.46	52.03
Salah-Alden	593	287	306	2.81	41.14
Duhok	387	192	195	1.83	33.40
Kerbalaa	692	312	380	3.28	63.24
Al-Muthana	343	165	178	1.63	46.61
Erbil	403	180	223	1.91	24.31
Others*	1073	432	641	5.09	
TOTAL	21101	9268	11833	100.00	61.69

*Others: Cases registered here are cases with unknown address

Figure(35)

The Incidence of Cancer Cases in Iraqi Provinces /2012



Iraqi Cancer Board

Provinces

Basic Tabulation Of
Cancer Cases by
Primary site. Age .
And Sex

Table(49)
Cases Registered by Site and Age Group in MALES (2012)

SITE	ICD0	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70+	UNK	ALL	%
LIP	C00					1		1	1	2	1		4	4	2	4		20	0.22
TONGUE - BASE	C01						1		1					1		2		5	0.05
TONGUE - OTHER	C02					1	3	1		3	4	4	1	2	6	3		28	0.30
GUM	C03								1			1			1			3	0.03
MOUTH - FLOOR	C04			1		1					2	2	2	2	1	3		14	0.15
MOUTH - PALATE	C05						2					1						3	0.03
MOUTH - OTHER	C06					1				2	4	1	2			4		14	0.15
PAROTID GLAND	C07				1	1	1	2	1	1	1	3	2	4	4	5		26	0.28
SALIVARY GLAND	C08				1	2		1	1		1	3	3	2		2		16	0.17
TONSILS	C09													1	2	1		4	0.04
OROPHARYNX	C10		1									1		3		1		6	0.06
NASOPHARYNX	C11	1	1	4	6	5	1	9	4	13	14	10	8	8	7	1		92	0.99
PYRIFORM SINUS	C12										1			1	1			3	0.03
HYPOPHARYNX	C13				1	1					1		3	1	1			8	0.09
PHARYNX	C14										1	2	2	1	2	2		10	0.11
ESOPHAGUS	C15						3	1	2	8	1	6	9	12	10	24		76	0.82
STOMACH	C16				3	1	5	14	26	40	26	33	49	58	67	95		417	4.50
SMALL INTESTIN	C17			1		2	1	3	1	4	4	2	6	3	3	8		38	0.41
COLON	C18					13	14	16	24	18	37	53	43	59	46	75	1	399	4.31
RECOSIGMOID JUNCTION	C19							1	4		4	4	3	2		3		21	0.23
RECTUM	C20					5	9	7	11	14	28	15	23	22	18	31		183	1.97
ANUS	C21								1	1	3	1	1	5	3	3		18	0.19
LIVER	C22	9		2	1	1	1	4	4	9	12	22	29	40	27	74		235	2.54
GALL BLADDER	C23							2	1	2			6	8	4	10		33	0.36
BILE TRACT	C24							1	3	1	2	2	9	3	5	14		40	0.43
PANCREAS	C25					1	4	8	7	22	11	25	42	57	32	77	2	288	3.11
OTHER DIGESTIVE ORGAN	C26		1	1		1		1	3	1	1	2	1	1	3	2		18	0.19
EAR/NOSE	C30	1				2					2	4	3		2	3		17	0.18
ACCESSORY SINUS	C31							1		2	3	1	1	1	2	3		14	0.15
GLOTTIS / LARYNX	C32	1	1	1	1		3	3	4	11	18	33	30	69	46	84		305	3.29
TRACHEA	C33							1								1		2	0.02
BRONCHUS & LUNG	C34					12	7	12	14	33	50	103	175	261	231	426	2	1326	14.31
THYMUS	C37						2	1		3	4	1				1		12	0.13
HEART & MEDIASTINUM	C38			1	1	2	1	1	1		3	4	1	6	1	8		30	0.32
OTHER RESPPIRATORY TRACT	C39				1								2			3		6	0.06
BONES - LIMBS	C40	1	9	9	9	9	5	2	2	1	1		4	2	2	3		59	0.64
BONES - OTHER	C41	3	5	11	10	10	7	7	4	5	7	3	7	7	6	12		104	1.12
BONE MARROW	C42																		0.00
SKIN	C44	3	2	4	5	9	10	7	14	17	21	37	35	48	39	110		361	3.90
NERVES	C47	2										1						3	0.03
PERITONEUM	C48		1			2	1	1		2	3	2	1	2		1		16	0.17
SOFT TISSUES	C49	8	5	7	15	11	5	17	9	10	14	10	7	14	9	13		154	1.66
BREAST	C50					1		1	4	17	7	11	14	12	7	16	1	91	0.98
PENIS	C60										1					1		1	0.01
PROSTATE	C61					1	1			2	4	11	34	52	78	236	2	421	4.54
TESTIS	C62	3		2	8	17	28	16	17	14	3	6	1	4	2	7		128	1.38
MALE GEN -OTHER	C63									1	1					2		4	0.04
KIDNEY	C64	29	16	1	2	1	7	5	9	20	21	28	31	36	15	40		261	2.82

SITE	ICD0	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70+	UNK	ALL	%
RENAL PELVIS	C65							1										1	0.01
URETER	C66												1	1				2	0.02
BLADDER	C67	2	4	2	1	5	4	5	25	38	41	65	94	148	120	288	1	843	9.10
OTHER URINARY ORGANS	C68							1						1		1		3	0.03
EYE	C69	19	4										1	2		1	1	28	0.30
MENINGES	C70			2		1	1		2	1	6	1	7		2	2		25	0.27
BRAIN	C71	31	44	25	30	19	22	18	31	44	30	36	34	47	27	42		480	5.18
NERVOUS SYSTEM	C72	10	3	3	1	1	2	6	2	3	5	3				2		41	0.44
THYROID	C73		1	1	2	8	9	25	11	20	15	6	12	6	5	13		134	1.45
ADRENAL GLAND	C74	11	4	1	1		1	2	1		1	2	2	3	2	2		33	0.36
ENDOCRINE - OTHER	C75	3	1	1		1	3	2	2	3	3		1	2	1			23	0.25
NOS (Not Other Wise Specified)	C76	3	4	4	1	4	1	2	4	2	4	5	3	6	5	6		54	0.58
LYMPH NODES	C77																		0.00
UNKNOWN	C80	6	1	3	2	7	6	9	10	14	24	21	33	40	36	82		294	3.17
NON-HODGKIN LYMPHOMA		40	38	33	31	29	34	24	37	48	53	54	78	65	41	89	1	695	7.50
HODGKIN'S DISEASE		7	21	12	34	45	26	24	21	13	23	11	10	8	9	8		272	2.93
Plasma Cell Tumor		1		1		1		2	3	9	14	9	13	22	9	28		112	1.21
Mast Cell Tumor																			0.00
Immunoproliferative Diseases									1									1	0.01
Leukaemia		113	85	72	61	67	33	29	29	36	42	46	49	57	50	77	1	847	9.14
Chronic Myeloproliferative Disorders				1					2			3	2	3	2			13	0.14
Myelodysplastic Syndromes		3	1		2	1	1	1	2	2	1	1	3	2	7	6		33	0.36
TOTAL		310	253	206	231	302	265	299	357	512	584	711	937	1227	1001	2061	12	9268	#####

Table(50)
Cases Registered by Site and Age Group in FE MALES (2012)

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	3	4		11	0.09
TONGUE - BASE	C01									1						2		3	0.03
TONGUE - OTHER	C02					3		5	2	1	4	1	4	3	10			33	0.28
GUM	C03		1							1	1					1		4	0.03
MOUTH - FLOOR	C04					1		1				1		1		2		6	0.05
MOUTH - PALATE	C05							1			1				2			4	0.03
MOUTH - OTHER	C06			2			1					1	1	2	2	7		16	0.14
PAROTID GLAND	C07				1	3	2	4			1	2	1	1	2		1	18	0.15
SALIVARY GLAND	C08				1		2	3	1	1	1	2	1	2	1	3		18	0.15
TONSILS	C09									1	1			3	1	1	2	9	0.08
OROPHARYNX	C10								1		3			1	1	1		7	0.06
NASOPHARYNX	C11			3	4	6	2	3	6	6	2	3	3	1	2	6		47	0.40
PYRIFORM SINUS	C12					1					3	1	1			1		7	0.06
HYPOPHARYNX	C13					1	1	1	3	2	1	3		2		6		20	0.17
PHARYNX	C14				1		1		1	2	2	1	4			1		13	0.11
ESOPHAGUS	C15						1	1	1	2	6	3	9	10	6	11	1	51	0.43
STOMACH	C16					3	10	14	13	31	38	37	28	48	27	71		320	2.70
SMALL INTESTIN	C17					3	4	1	5	5	4	2	3	6	3	10		46	0.39
COLON	C18	1				8	9	12	24	32	35	42	52	34	30	70	1	350	2.96
RECOSIGMOID JUNCTION	C19				1	1		3	3		2	2	2	4	2	6		26	0.22
RECTUM	C20				1	5	3	3	9	13	19	16	15	25	19	29		157	1.33
ANUS	C21								1		3	2		2	3	1		12	0.10
LIVER	C22	8				3	3	3	8	18	13	22	19	38	27	60		222	1.88
GALL BLADDER	C23							2	1	2	5	6	11	14	8	15		64	0.54
BILE TRACT	C24							1		1		2	5	5	2	9		25	0.21
PANCREAS	C25					6	4	5	10	13	16	24	21	38	29	56	1	223	1.88
OTHER DIGESTIVE ORGAN	C26						1		2		4			2		5		14	0.12
EAR / NOSE	C30	1	1	1			1			2	1		2	2		1		12	0.10
ACCESSORY SINUS	C31			1		1		2			1	1		1		1		8	0.07
GLOTTIS / LARYNX	C32						3	1		8	15	14	12	21	7	24		105	0.89
TRACHEA	C33												1					1	0.01
BRONCHUS & LUNG	C34				1	4	2	5	15	18	32	48	59	89	72	170	1	516	4.36
THYMUS	C37			1				1	1	1		1						5	0.04
HEART & MEDIASTINUM	C38	2						2		3	2	3	2	3	2	9	1	29	0.25
OTHER RESPPIRATORY TRACT	C39												1					1	0.01
BONES - LIMBS	C40		3	12	14	8	3	1	3	3	2	5	1		1	7		63	0.53
BONES - OTHER	C41	5	5	14	8	3	3	5	6	2	5	6	4	7	6	11		90	0.76
BONE MARROW	C42																		0.00
SKIN	C44	2	1		3	8	9	13	8	17	25	27	35	46	29	92	1	316	2.67
NERVES	C47	2	1												1			4	0.03
PERITONEUM	C48	3	1		1	1	1	2		1	4	1	2	2	1			22	0.19
SOFT TISSUES	C49	7	4	6	11	8	9	12	6	11	9	11	13	7	5	13		132	1.12
BREAST	C50				1	26	76	203	355	610	677	582	481	426	252	333	2	4024	34.01
VULVA	C51									1		5	2	3	1	7		19	0.16
VAGINA	C52			1										1	5			13	0.11
CERVIX	C53						4	7	23	17	29	36	26	17	14	18	1	192	1.62
CORPUS UTERI	C54					3	2	3	14	11	6	26	26	40	28	22		181	1.53
UTERUS UNSPECIFIED	C55					8	4	8	11	20	29	34	39	47	29	37		266	2.25
OVARY	C56	5	5	6	22	27	23	36	35	60	73	58	55	54	25	33	2	519	4.39
FEMALE GENITAL	C57		1						1	2	1		1					6	0.05
PLACENTA	C58				27	27	22	15	12	14	8	1						126	1.06
KIDNEY	C64	29	12	1	1	1	5	6	13	16	16	19	12	25	16	23		195	1.65

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	1	1		5	0.04
URETER	C66									1								1	0.01
BLADDER	C67					5	2	4	8	11	12	17	30	59	42	88	2	280	2.37
OTHER URINARY ORGANS	C68											1			1			2	0.02
EYE & ADNEX	C69	13	3	1		1	1		1		2		4	7	1	2	1	37	0.31
MENINGES	C70				4	1	5	4	9	20	8	14	12	10	4	3		94	0.79
BRAIN	C71	30	31	24	21	18	21	35	28	34	31	37	39	31	24	44	4	452	3.82
NERVOUS SYSTEM OTHER	C72	2		2	2	2	1	3	3	1	1	1	1	1	2	1		23	0.19
THYROID GLAND	C73		1	5	14	32	50	58	50	57	41	39	26	27	11	35		446	3.77
ADRENAL GLAND	C74	13	2	2	1			1	1	1	1	1	2	1	3	4		33	0.28
ENDOCRINE GLANDS, OTHER	C75			2	1	1	1		3	1	2	2	1	3	1	1		19	0.16
NOS (Not Other Wise Specified)	C76	3	4	2	2	1	3	3	3	2		6	4	7	3	14	1	58	0.49
LYMPH NODES	C77																		0.00
UNKNOWN PRIMARY SITE	C80	10	1	2	5	6	9	13	14	18	23	33	44	37	31	51		297	2.51
NON-HODGKIN'S LYMPHOMA		29	28	7	21	22	21	24	25	43	43	37	63	66	41	69	2	541	4.57
HODGKIN'S DISEASE		2	18	16	31	29	21	17	8	10	5	8	4	3	5	2		179	1.51
Plasma Cell Tumor					1			1	2	3	1	5	8	18	9	19		67	0.57
Mast Cell Tumor																			0.00
Immunoproliferative Diseases																			0.00
Leukaemia		102	55	54	40	34	25	39	40	36	40	50	27	50	24	67		683	5.77
Chronic Myeloproliferative Disorders								1		1	2	2	2	2	1	2		13	0.11
Myelodysplastic Syndromes				1		2	2	4		2	1		5	3	6	6		32	0.27
Total		269	178	166	240	317	378	585	801	1190	1314	1309	1227	1359	878	1600	22	11833	100.00

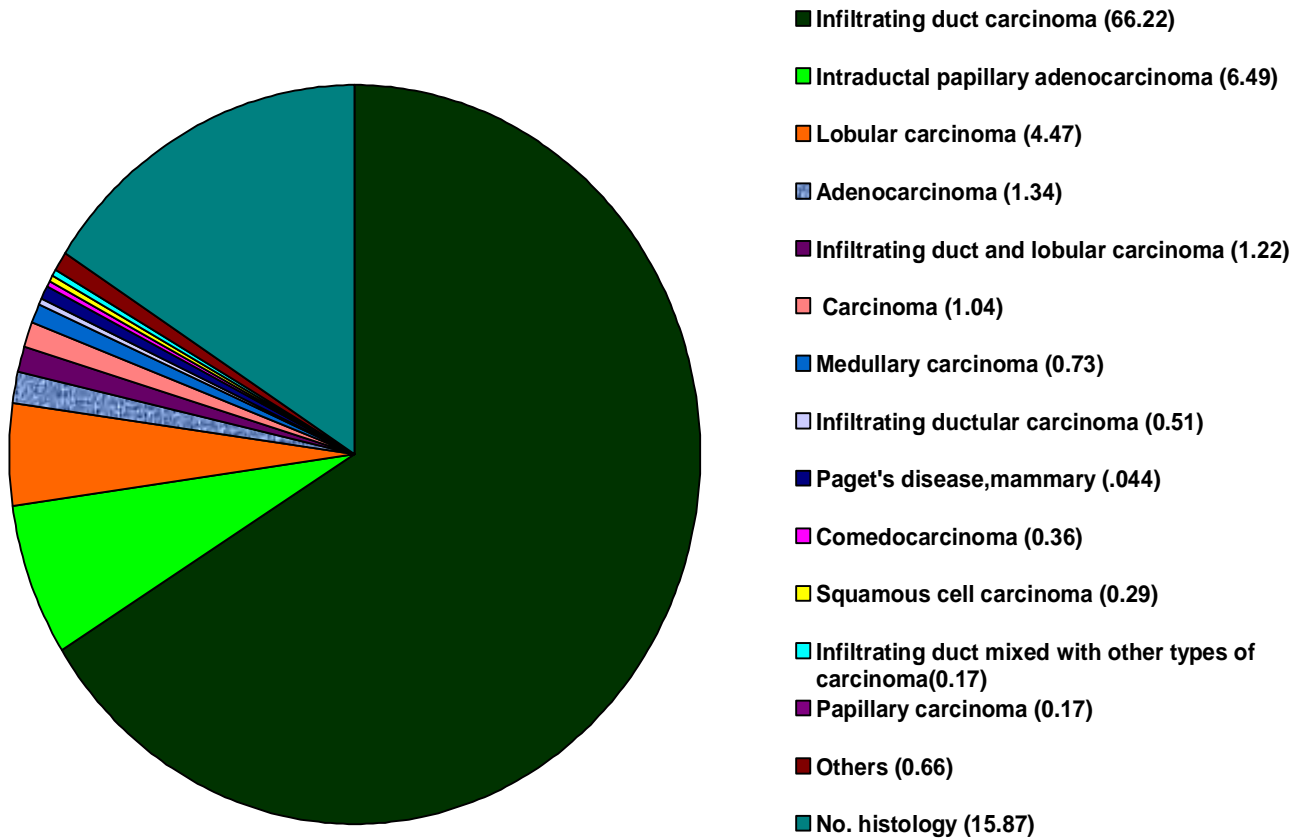
**Distribution by Age, Sex
&
Morphology of Top Ten Cancers**

Table (51)
Distribution by Age, Sex, and
Morphology in 2012

Site: BREAST

TOTAL	MALE	FEMALE
4115	91	4024

	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	17	7	11	14	12	7	16	1	91
FEMALE				1	26	76	203	355	610	677	582	481	426	252	333	2	4024
TOTAL				1	27	76	204	359	627	684	593	495	438	259	349	3	4115



Morphology Verified

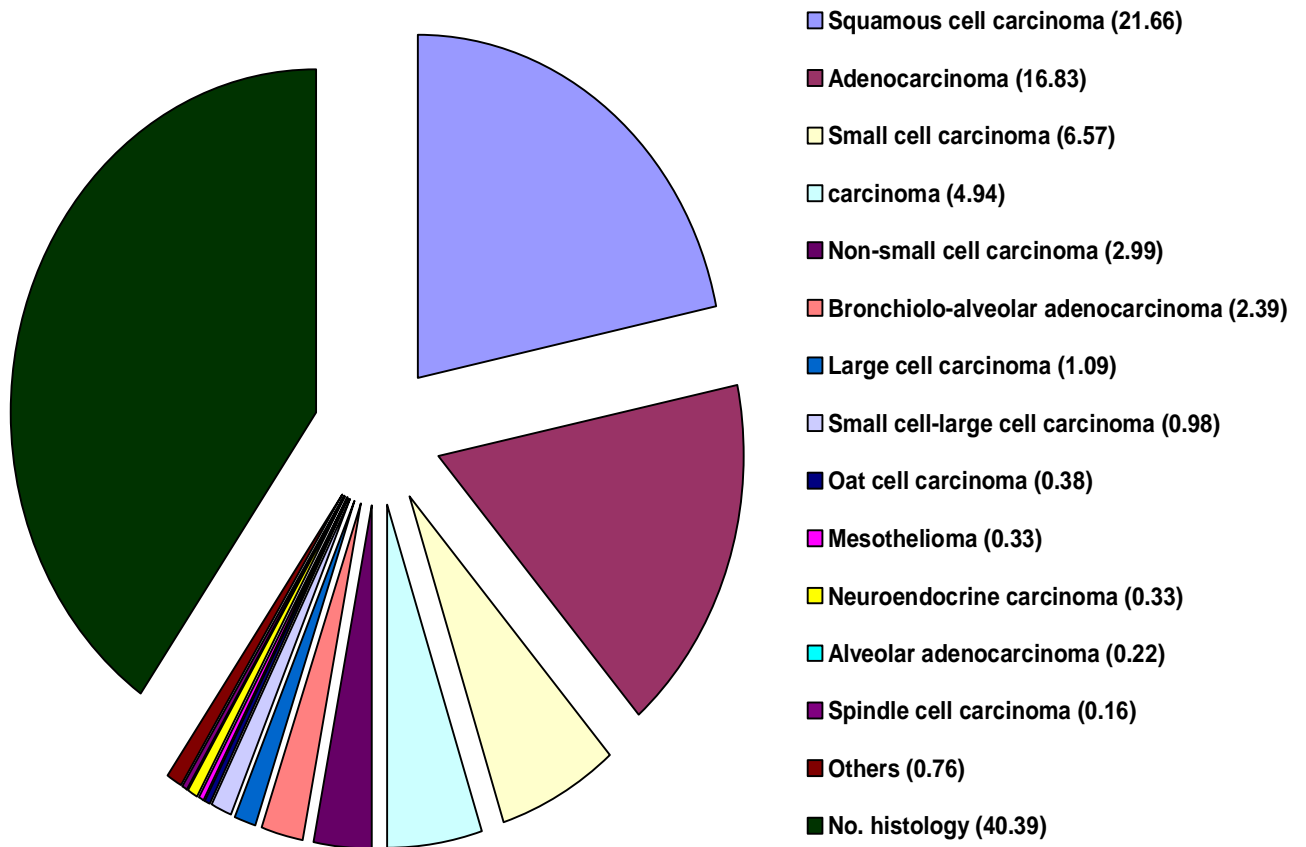
Cases	%
3462	84.13

Table (52)
Distribution by Age, Sex, and
Morphology in 2012

Site: BRONCHUS & LUNG

TOTAL	MALE	FEMALE
1842	1326	516

	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					12	7	12	14	33	50	103	175	261	231	426	2	1326
FEMALE				1	4	2	5	15	18	32	48	59	89	72	170	1	516
TOTAL				1	16	9	17	29	51	82	151	234	350	303	596	3	1842



Morphology Verified
Cases %

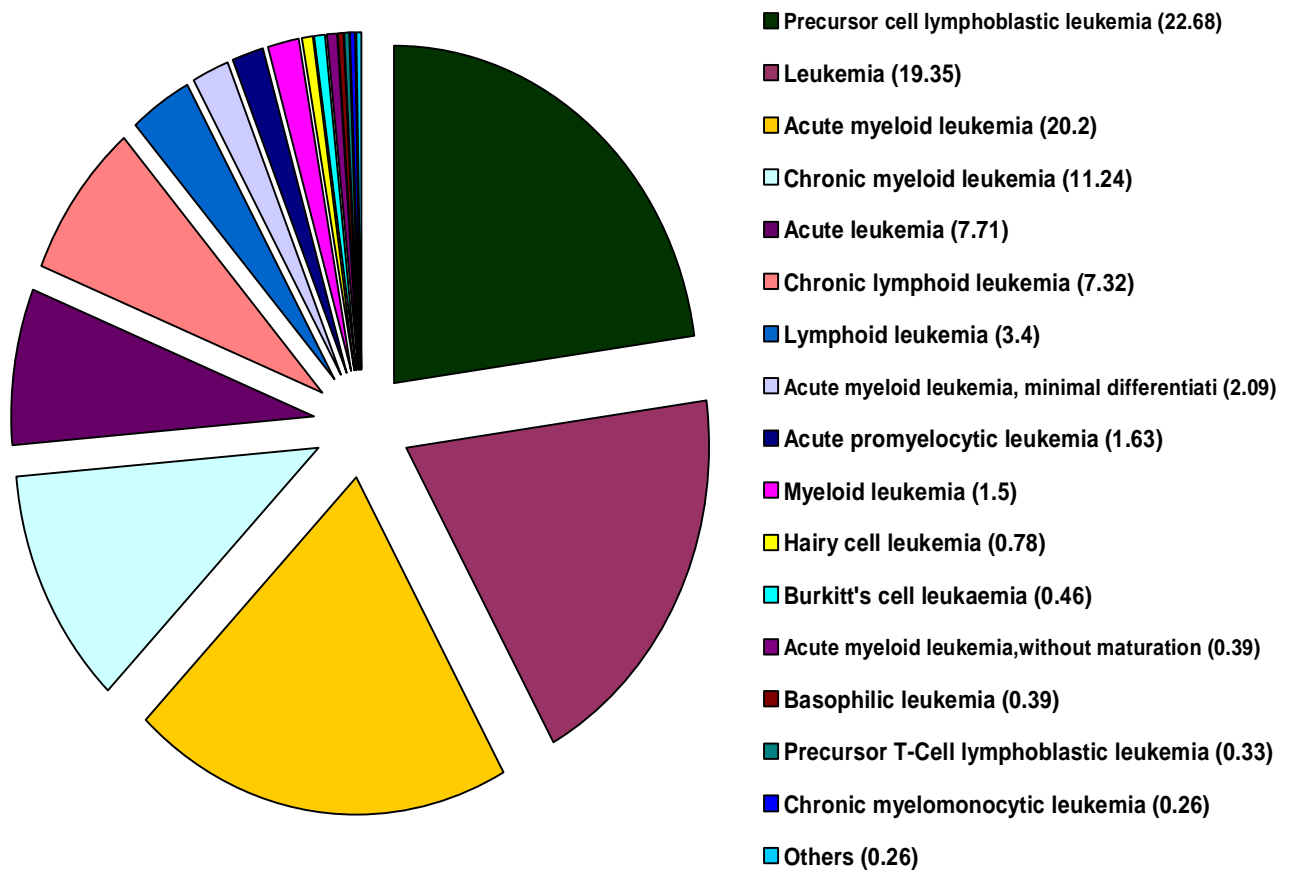
1098	59.61
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Table (53)
Distribution by Age, Sex, and
Morphology in 2012

Site: LEUKAEMIA

TOTAL	MALE	FEMALE
1530	847	683

	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	113	85	72	61	67	33	29	29	36	42	46	49	57	50	77	1	847
FEMALE	102	55	54	40	34	25	39	40	36	40	50	27	50	24	67		683
TOTAL	215	140	126	101	101	58	68	69	72	82	96	76	107	74	144	1	1530



Morphology Verified

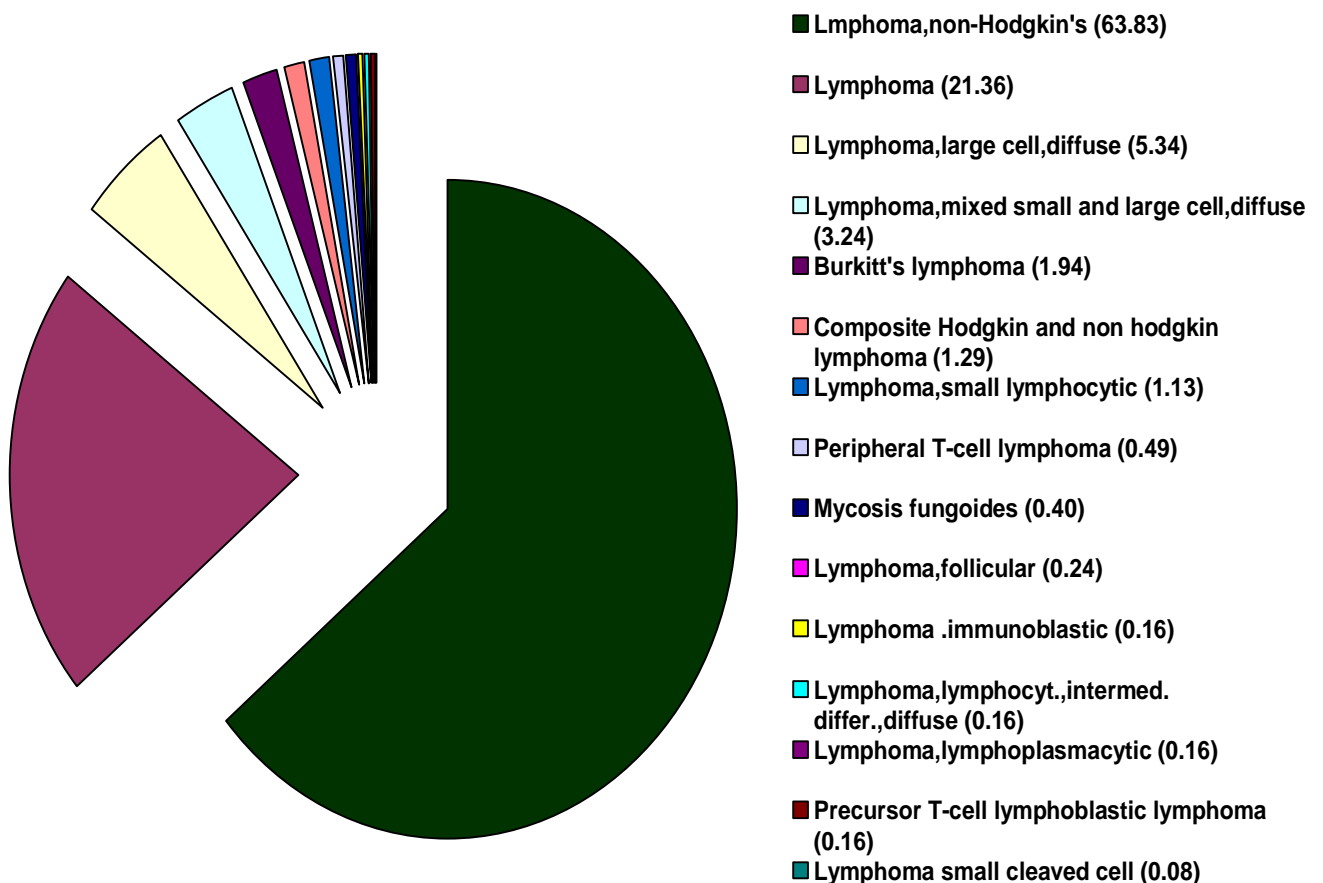
Cases	%
1530	100.00

Table (55)
Distribution by Age, Sex, and
Morphology in 2012

Site: NON –HODGKIN LYMPHOMA

TOTAL	MALE	FEMALE
1236	695	541

	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	40	38	33	31	29	34	24	37	48	53	54	78	65	41	89	1	695
FEMALE	29	28	7	21	22	21	24	25	43	43	37	63	66	41	69	2	541
TOTAL	69	66	40	52	51	55	48	62	91	96	91	141	131	82	158	3	1236



Morphology Verified
Cases %

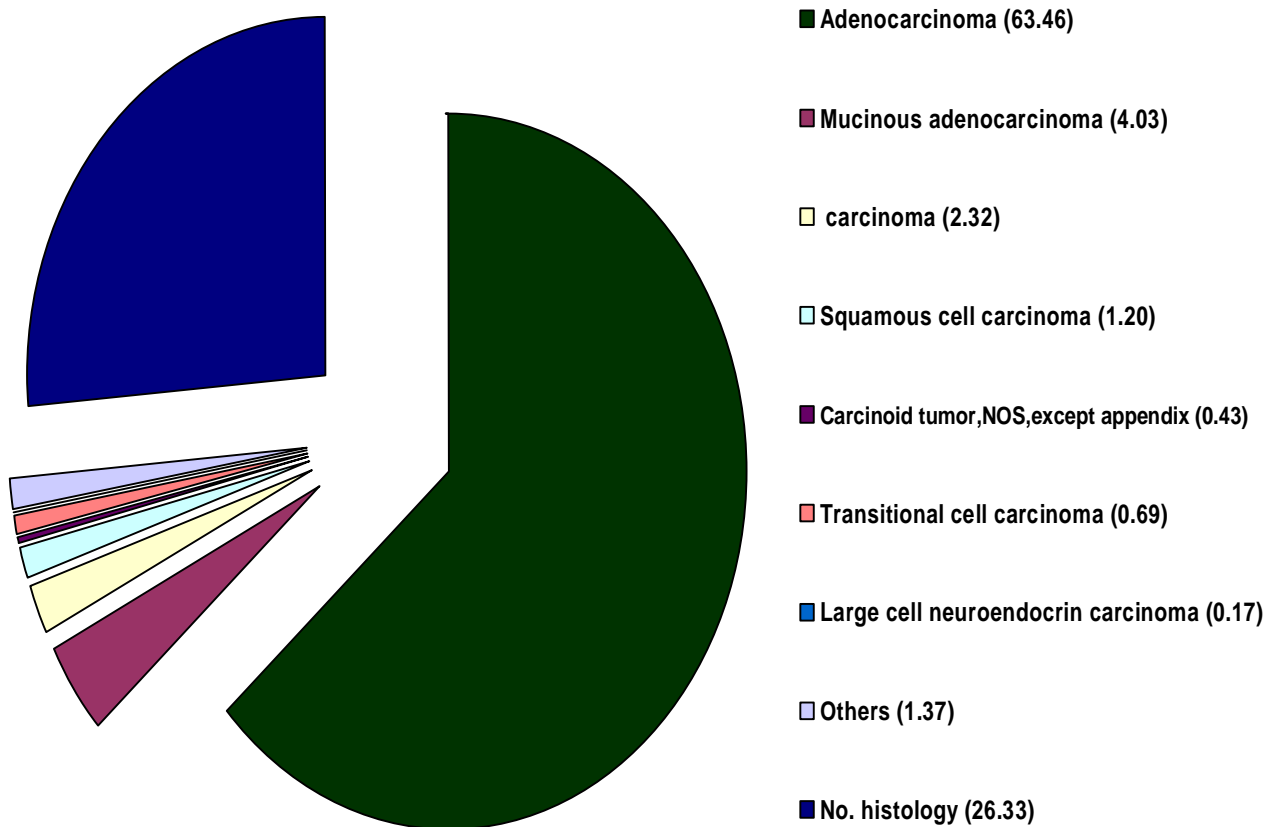
1236	100.00
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(54)
**Distribution by Age, Sex, and
Morphology in 2012**

Site: **COLORECTAL**

TOTAL	MALE	FEMALE
1166	621	545

	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					18	23	24	40	33	72	73	70	88	67	112	1	621
FEMALE	1			2	14	12	18	37	45	59	62	69	65	54	106	1	545
TOTAL	1			2	32	35	42	77	78	131	135	139	153	121	218	2	1166



Morphology Verified

Cases	%
859	73.67

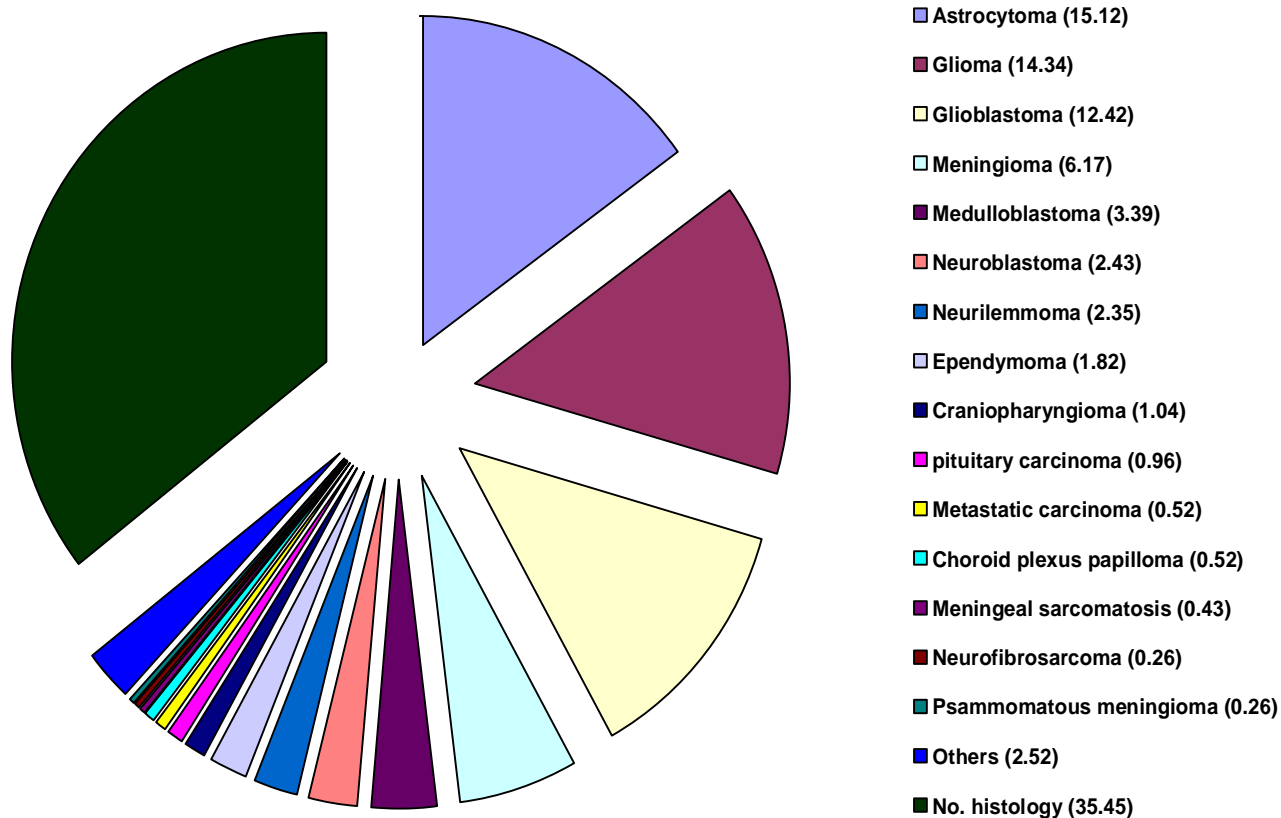
Table (57)

Distribution by Age, Sex, and Morphology in 2012

Site: BRAIN AND OTHER CNS.

TOTAL	MALE	FEMALE
1151	567	584

	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	43	48	31	31	22	28	26	37	51	44	40	41	49	30	46		567
FEMALE	32	31	28	28	22	28	42	42	56	41	54	53	43	31	49	4	584
TOTAL	75	79	59	59	44	56	68	79	107	85	94	94	92	61	95	4	1151



Morphology Verified

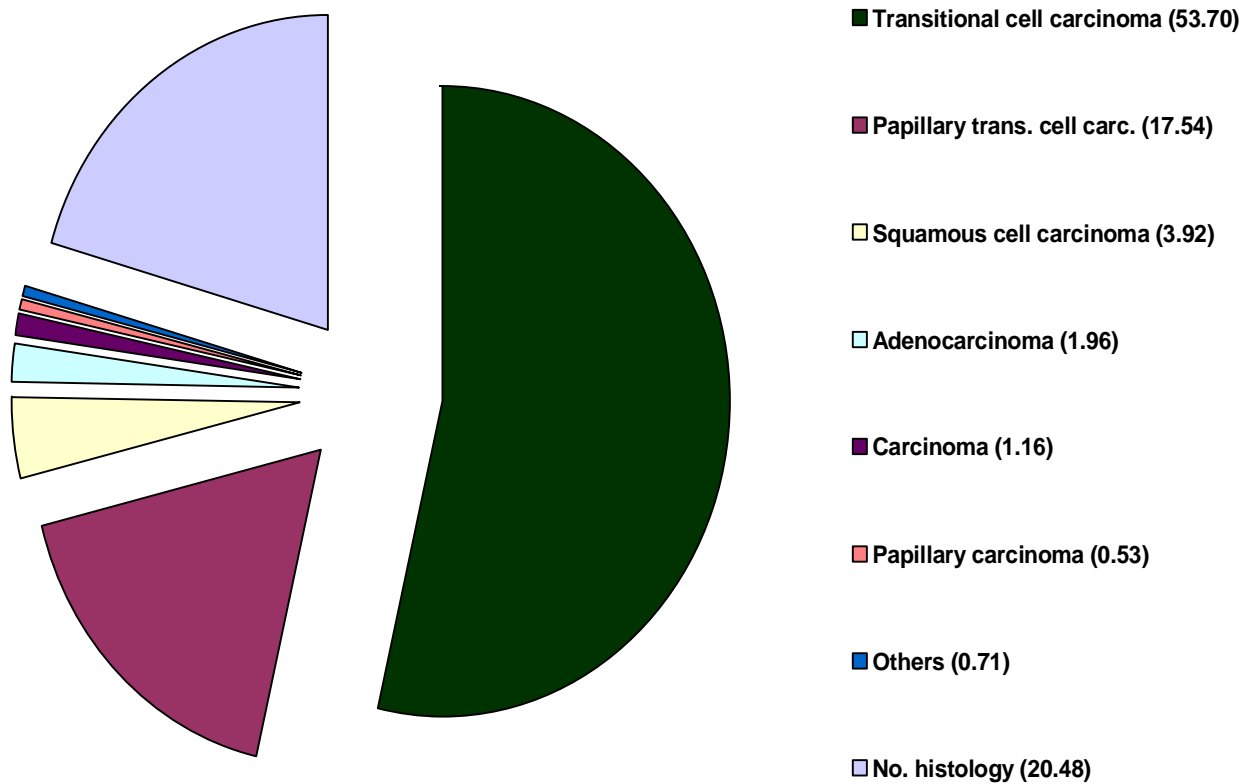
Cases	%
743	64.55

Table (56)
Distribution by Age, Sex, and
Morphology in 2012

Site: URINARY BLADDER

TOTAL	MALE	FEMALE
1123	843	280

	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	4	2	1	5	4	5	25	38	41	65	94	148	120	288	1	843
FEMALE					5	2	4	8	11	12	17	30	59	42	88	2	280
TOTAL	2	4	2	1	10	6	9	33	49	53	82	124	207	162	376	3	1123



Morphology Verified
Cases %

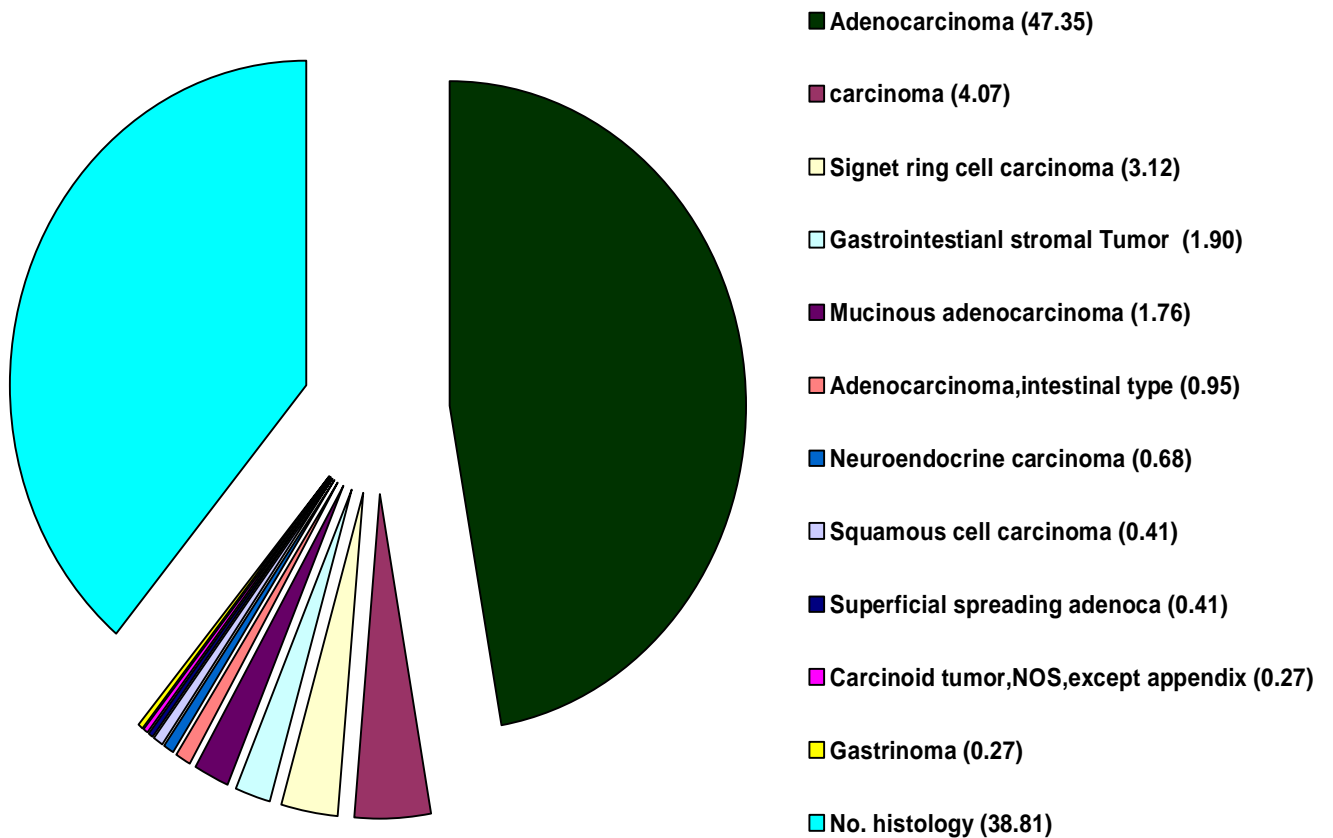
893	79.52
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Table (58)
Distribution by Age, Sex, and
Morphology in 2012

Site: STOMACH

TOTAL	MALE	FEMALE
737	417	320

	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+	unkno wn	T
MALE				3	1	5	14	26	40	26	33	49	58	67	95		417
FEMALE					3	10	14	13	31	38	37	28	48	27	71		320
TOTAL				3	4	15	28	39	71	64	70	77	106	94	166		737



**Morphology Verified
Cases %**

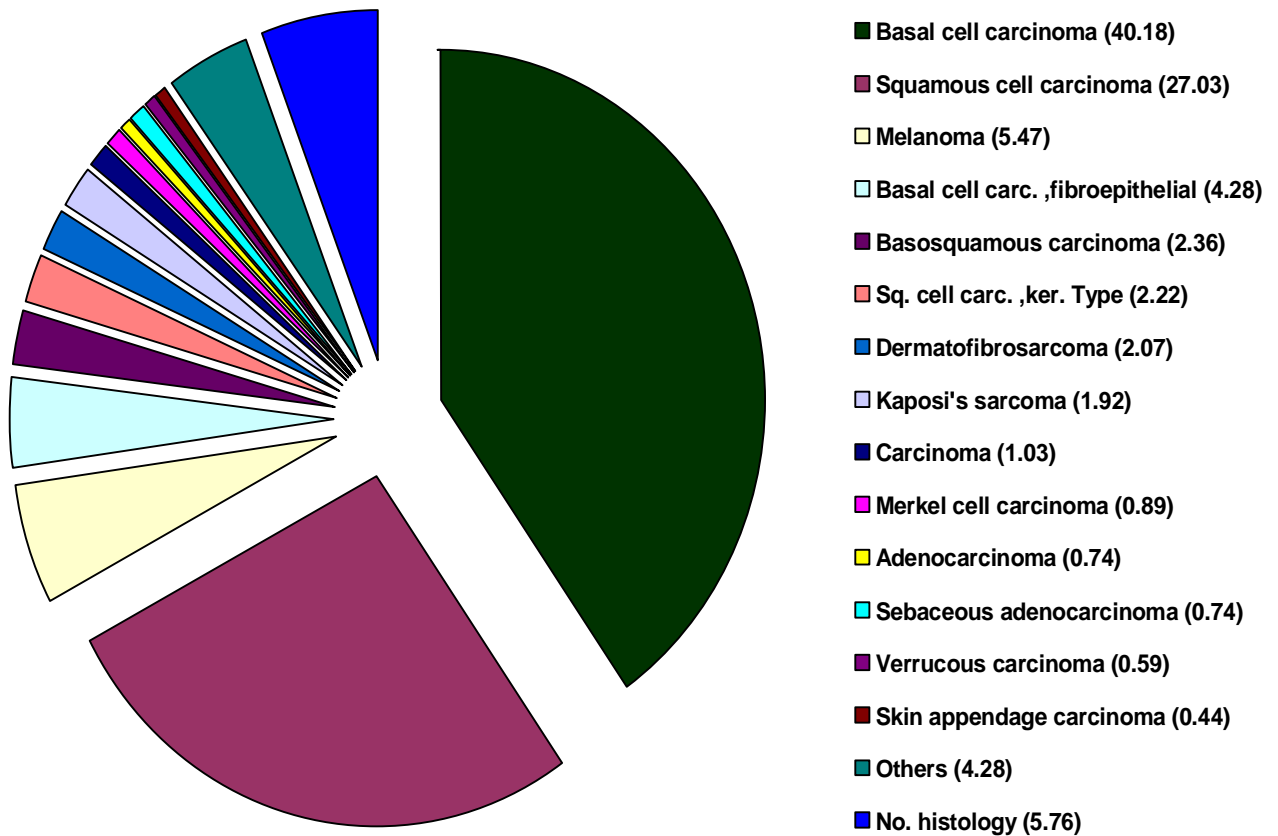
451	61.19
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Table (59)
Distribution by Age, Sex, and
Morphology in 2012

Site: SKIN, OTHER

TOTAL	MALE	FEMALE
677	361	316

	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	2	4	5	9	10	7	14	17	21	37	35	48	39	110		361
FEMALE	2	1		3	8	9	13	8	17	25	27	35	46	29	92	1	316
TOTAL	5	3	4	8	17	19	20	22	34	46	64	70	94	68	202	1	677



Morphology Verified
Cases %

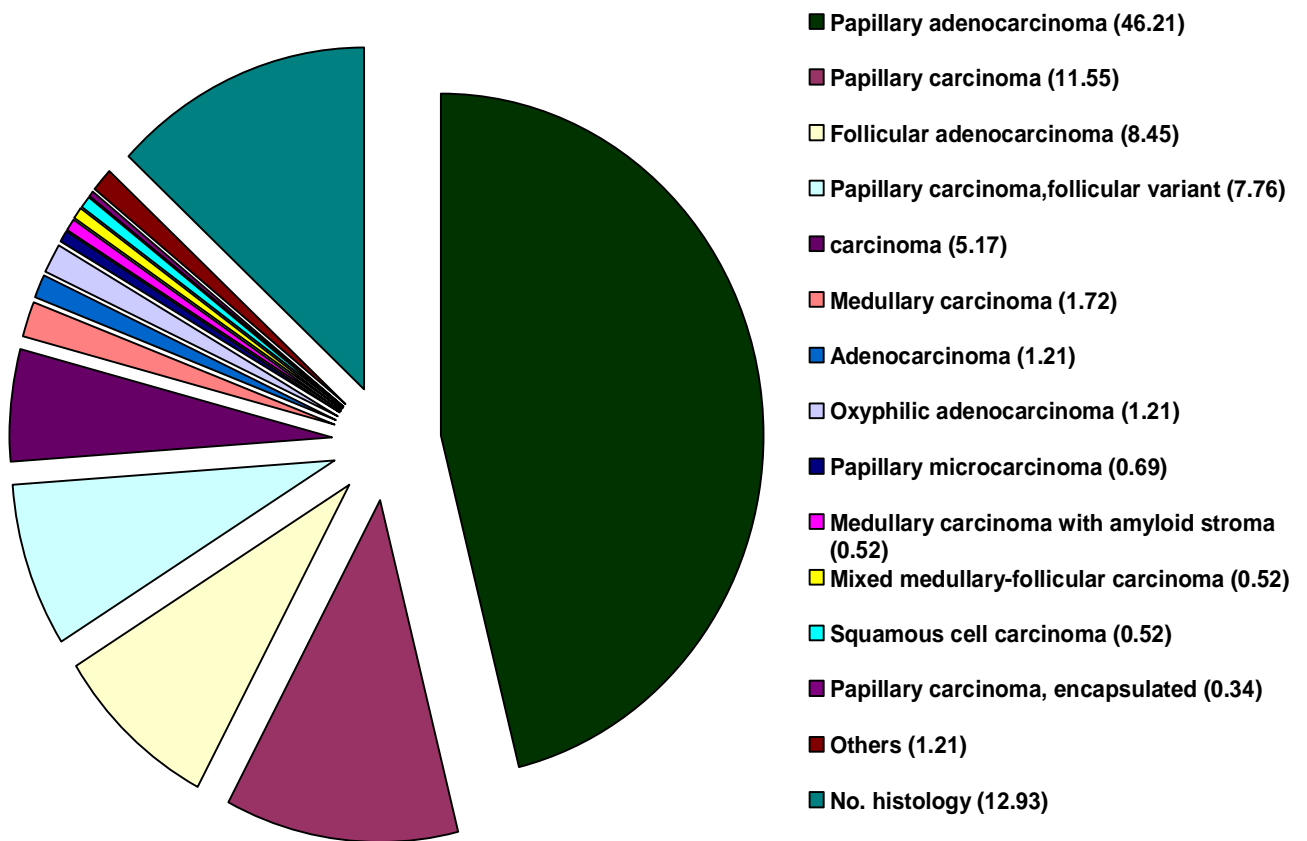
638	94.24
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Table (60)
Distribution by Age, Sex, and
Morphology in 2012

Site: THYROID

TOTAL	MALE	FEMALE
580	134	446

	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+	unkno wn	T
MALE	1	1	2	8	9	25	11	20	15	6	12	6	5	13			134
FEMALE	1	5	14	32	50	58	50	57	41	39	26	27	11	35			446
TOTAL	2	6	16	40	59	83	61	77	56	45	38	33	16	48			580



Morphology Verified

Cases	%
505	87.07

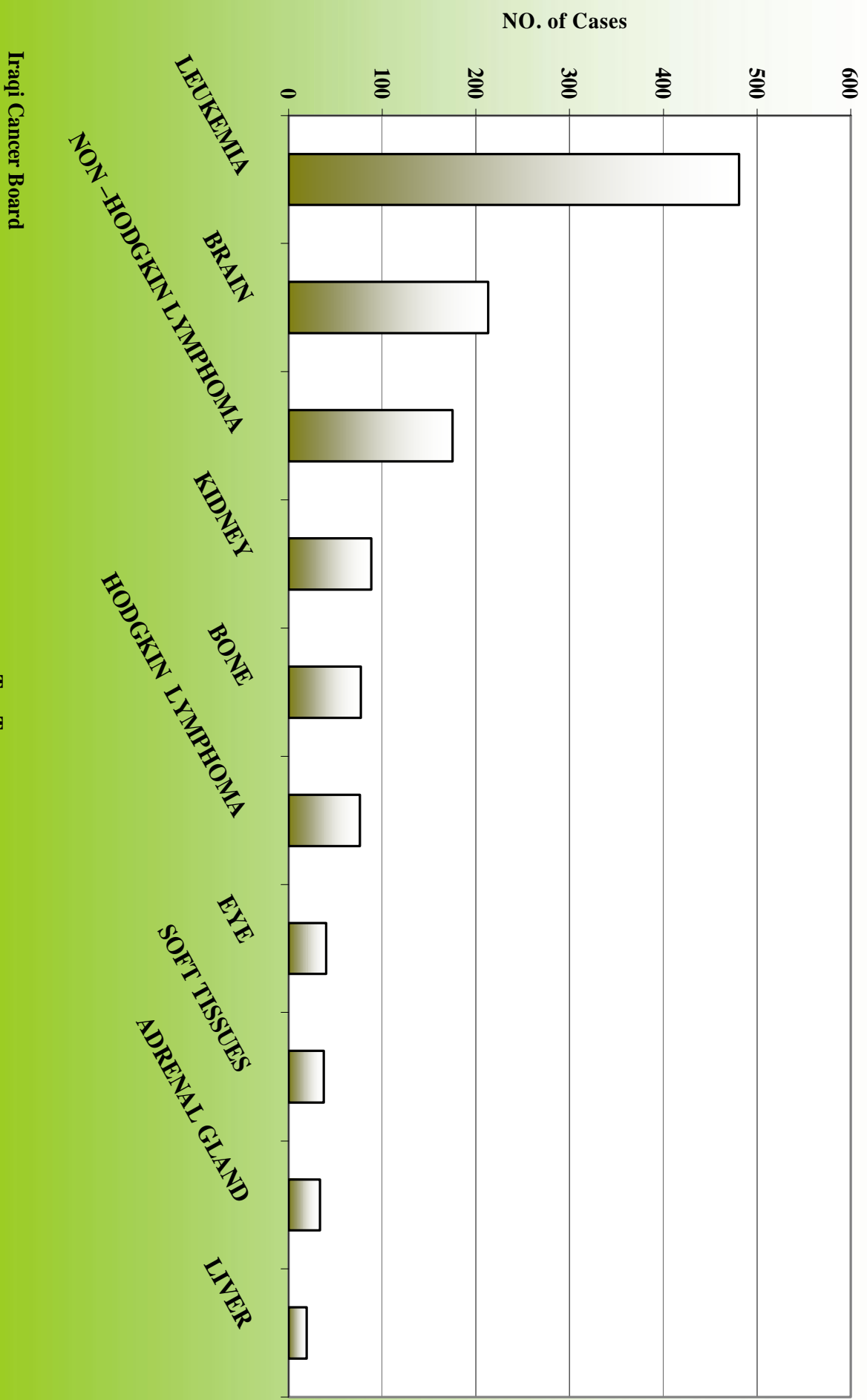
Children's Cancers

Table (61)**Distribution of the Top Ten Cancers in Children Ranking
According to Frequency (0 – 14 Years of Age) 2012**

	SITE	TOTAL	MALE	FEMALE	% OF TOTAL
1	LEUKEMIA	481	270	211	34.80
2	BRAIN	213	122	91	15.41
3	NON –HODGKIN LYMPHOMA	175	111	64	12.66
4	KIDNEY	88	46	42	6.37
5	BONE	77	38	39	5.57
6	HODGKIN LYMPHOMA	76	40	36	5.50
7	EYE	40	23	17	2.89
8	SOFT TISSUES	37	20	17	2.68
9	ADRENAL GLAND	33	16	17	2.39
10	LIVER	19	11	8	1.37
	Total Ten	1239	697	542	89.65
	All Site	1382	769	613	100.00

Figure (36)

The Commonest Ten Cancers in Children (2012)



Iraqi Cancer Board

Top Ten

Figure (36 - A)

The Commonest Ten cancers in Children (2012) By Gender

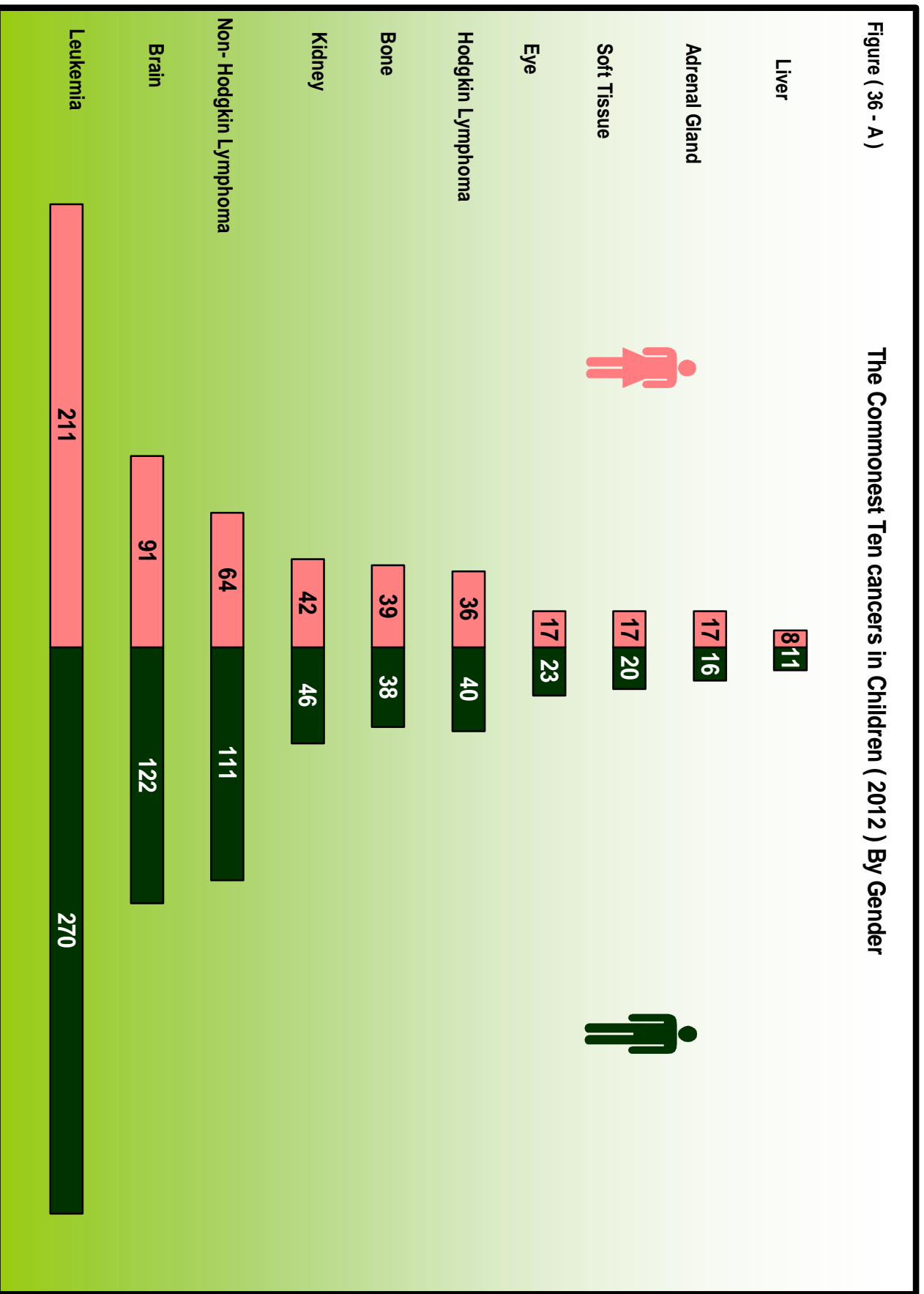


Table (62)
The Number of New Cancer Cases of Children and Percentage of
Total by primary Site, Age and Gender (2012)

SITE	ICD0	MALE					FEMALE				
		0-	5-	10-	Total	%	0-	5-	10-	Total	%
GUM	C03					0.00		1		1	0.16
MOUTH - FLOOR	C04			1	1	0.13					0.00
MOUTH - OTHER	C06					0.00			2	2	0.33
OROPHARYNX	C10		1		1	0.13					0.00
NASOPHARYNX	C11	1	1	4	6	0.78			3	3	0.49
SMALL INTESTIN	C17			1	1	0.13				0	0.00
COLON	C18					0.00	1			1	0.16
LIVER	C22	9		2	11	1.43	8			8	1.31
OTHER DIGESTIVE ORGAN	C26		1	1	2	0.26					0.00
EAR/NOSE	C30	1			1	0.13	1	1	1	3	0.49
ACCESSORY SINUS	C31					0.00			1	1	0.16
GLOTTIS / LARYNX	C32	1	1	1	3	0.39					0.00
THYMUS	C37					0.00			1	1	0.16
HEART & MEDIASTINUM	C38			1	1	0.13	2			2	0.33
BONES - LIMBS	C40	1	9	9	19	2.47		3	12	15	2.45
BONES - OTHER	C41	3	5	11	19	2.47	5	5	14	24	3.92
SKIN	C44	3	2	4	9	1.17	2	1		3	0.49
NERVES	C47	2			2	0.26	2	1		3	0.49
PERITONEUM	C48		1		1	0.13	3	1		4	0.65
SOFT TISSUES	C49	8	5	7	20	2.60	7	4	6	17	2.77
VAGINA	C52					0.00			1	1	0.16
OVARY	C56					0.00	5	5	6	16	2.61
FEMALE GENITAL	C57					0.00		1		1	0.16
TESTIS	C62	3		2	5	0.65					0.00
KIDNEY	C64	29	16	1	46	5.98	29	12	1	42	6.85
BLADDER	C67	2	4	2	8	1.04					0.00
EYE	C69	19	4		23	2.99	13	3	1	17	2.77
MENINGES	C70			2	2	0.26					0.00
BRAIN	C71	31	44	25	100	13.00	30	31	24	85	13.87
NERVOUS SYSTEM	C72	10	3	3	16	2.08	2		2	4	0.65
THYROID	C73		1	1	2	0.26		1	5	6	0.98
ADRENAL GLAND	C74	11	4	1	16	2.08	13	2	2	17	2.77
ENDOCRINE - OTHER	C75	3	1	1	5	0.65			2	2	0.33
NOS (Not Other Wsely Specified)	C76	3	4	4	11	1.43	3	4	2	9	1.47
UNKNOWN	C80	6	1	3	10	1.30	10	1	2	13	2.12
NON-HODGKIN'S LYMPHOMA		40	38	33	111	14.43	29	28	7	64	10.44
HODGKIN'S DISEASE		7	21	12	40	5.20	2	18	16	36	5.87
Plasma Cell Tumor		1		1	2	0.26					0.00
Leukaemia		113	85	72	270	35.11	102	55	54	211	34.42
Chronic Myeloproliferative Disorders				1	1	0.13					0.00
Myelodysplastic Syndromes		3	1		4	0.52			1	1	0.16
TOTAL		310	253	206	769	100.00	269	178	166	613	100.00

Table (63)**Distribution of Child Cancers According To Age, Gender
And Provinces / 2012**

Provinces	0 - 4		5 - 9		10 - 14		Total
	M	F	M	F	M	F	
Baghdad	73	47	54	48	47	40	309
Ninevah	35	23	18	19	15	16	126
Kirkuk	14	9	6	6	5	4	44
AL- Anbar	11	11	10	9	14	7	62
Salah - Alden	10	14	11	8	1	3	47
Dyala	8	12	6	5	7	9	47
Kerbala	6	8	7	3	8	6	38
AL - Najaf	10	16	9	10	15	12	72
Babil	25	12	22	4	9	9	81
Wasit	11	6	8	4	6	4	39
Misan	7	4	10	4	5	4	34
AL- Diwanyia	7	6	5	5	13	6	42
The - Qar	9	15	11	4	12	7	58
AL - Basrah	31	33	40	20	19	17	160
AL- Muthana	4	4	5	5	4	1	23
AL Sulaimania	12	14	6	8	4	7	51
Duhok	5	4	4	2	5	2	22
Erbil	15	22	9	5	6	4	61
Others	17	9	12	9	11	8	66
Total	310	269	253	178	206	166	1382

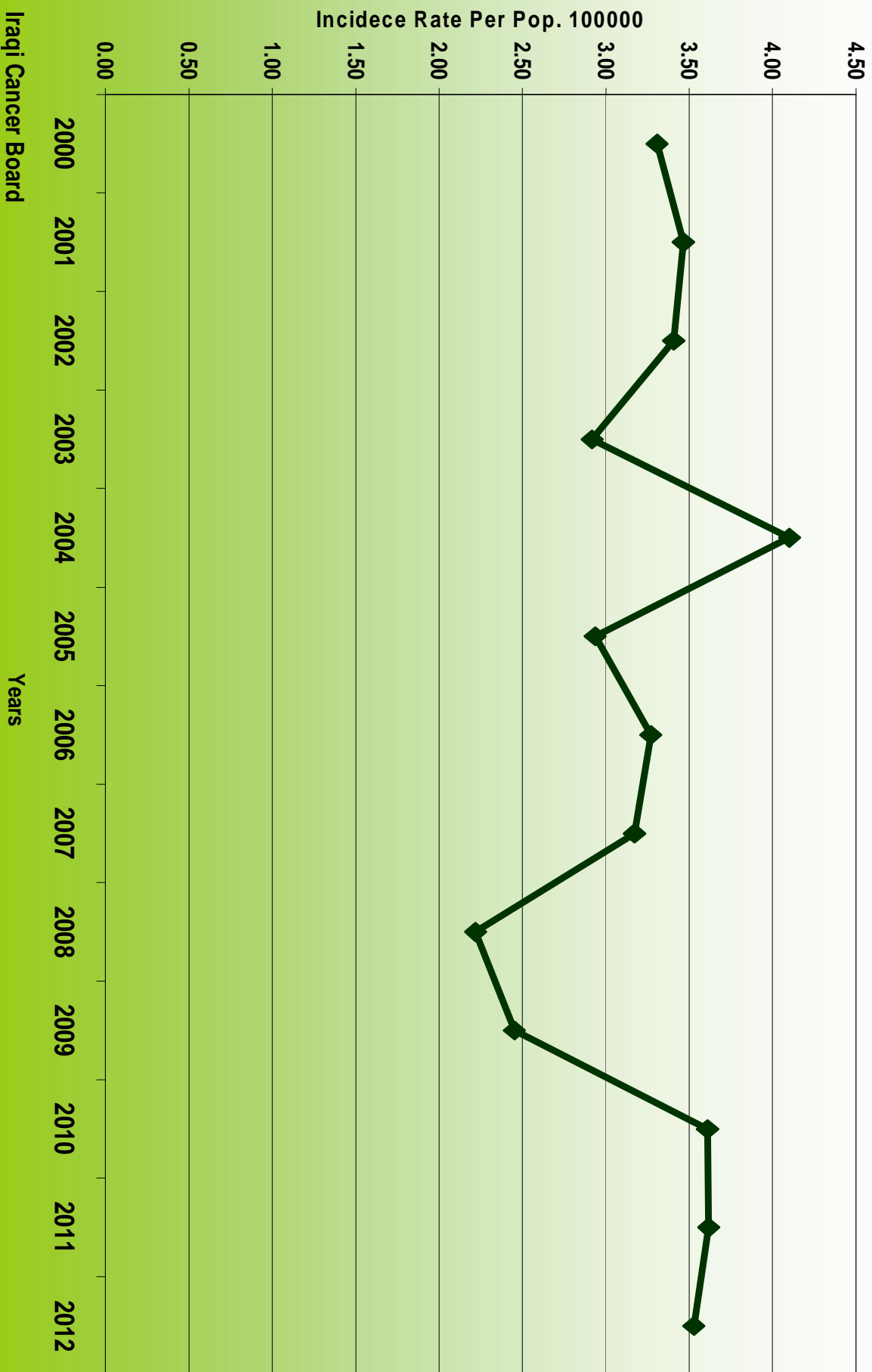
Table (64)
Incidence Rate and Percentage of Leukemia in Children
(2000 – 2012) In Iraq

YEARS	NO. OF CASES	NO. OF LEUKEMIA CASES	%	INCIDENCE RATE
2000	800	305	38.13	3.31
2001	1032	328	31.78	3.46
2002	1092	331	30.31	3.41
2003	924	291	31.49	2.92
2004	1201	420	34.97	4.10
2005	1094	355	32.45	2.93
2006	1107	406	36.68	3.27
2007	1096	406	37.04	3.17
2008	936	305	32.59	2.22
2009	1015	309	30.44	2.45
2010	1313	476	36.25	3.61
2011	1465	485	33.11	3.62
2012	1382	481	34.80	3.53
Total	14457	4898		-----

* Estimated Population of Children (0 – 14) Year: 13637632

Figur (37)

Incidence Rate of Leukemia in Children (2000 - 2012) in Iraq



Iraqi Cancer Board

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

Table (65)
Distribution of Leukemia All Age by Gender in Iraq
(1991 - 2012)

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	535	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
2010	18482	1302	715	587	7.04
2011	20278	1476	839	637	7.28
2012	21101	1530	847	683	7.25
TOTAL	271247	18259	10437	7822	6.73

Figure(38

Distribution Of Leukemia in Iraq by Gender(1991-2012)

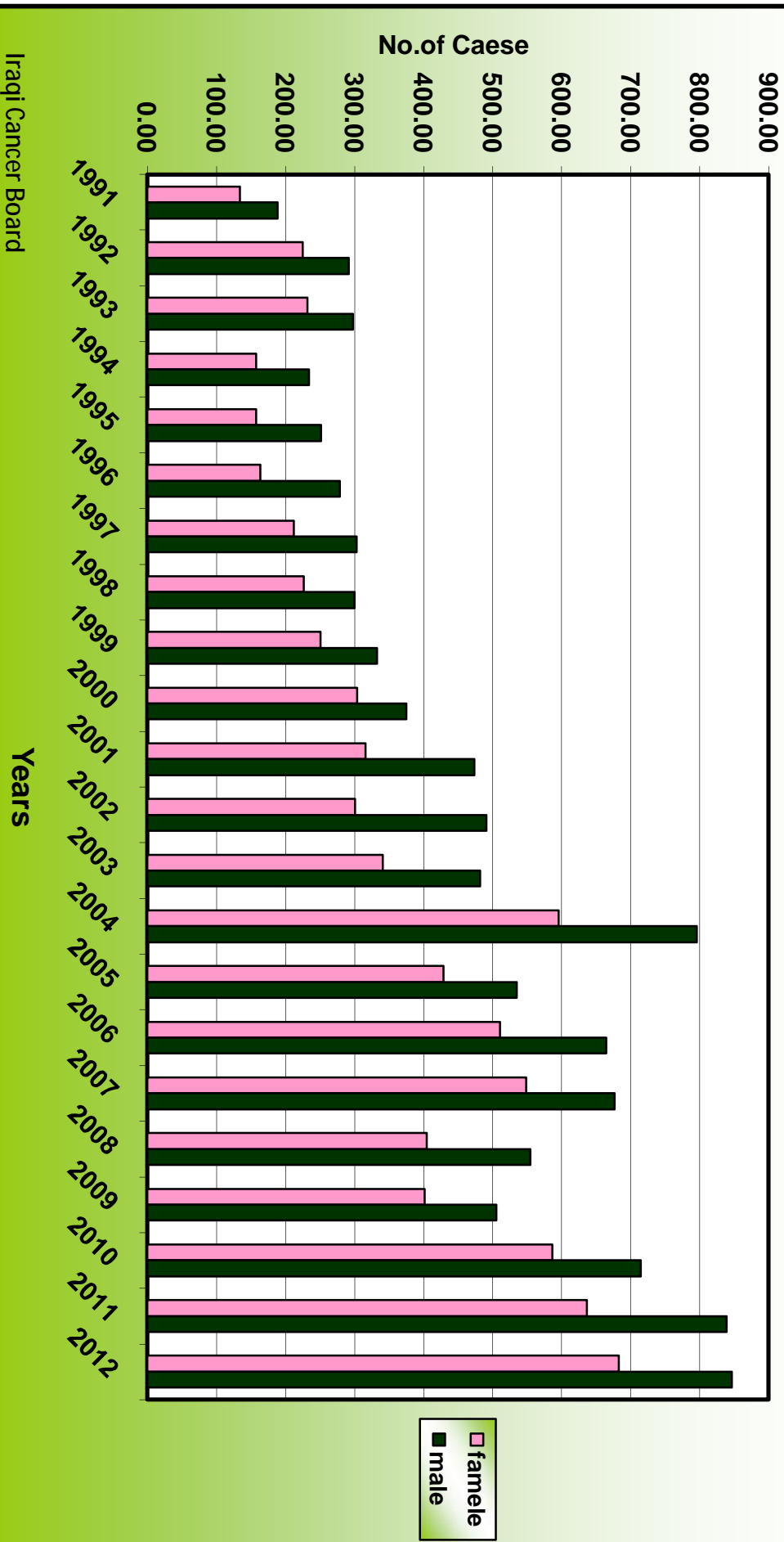
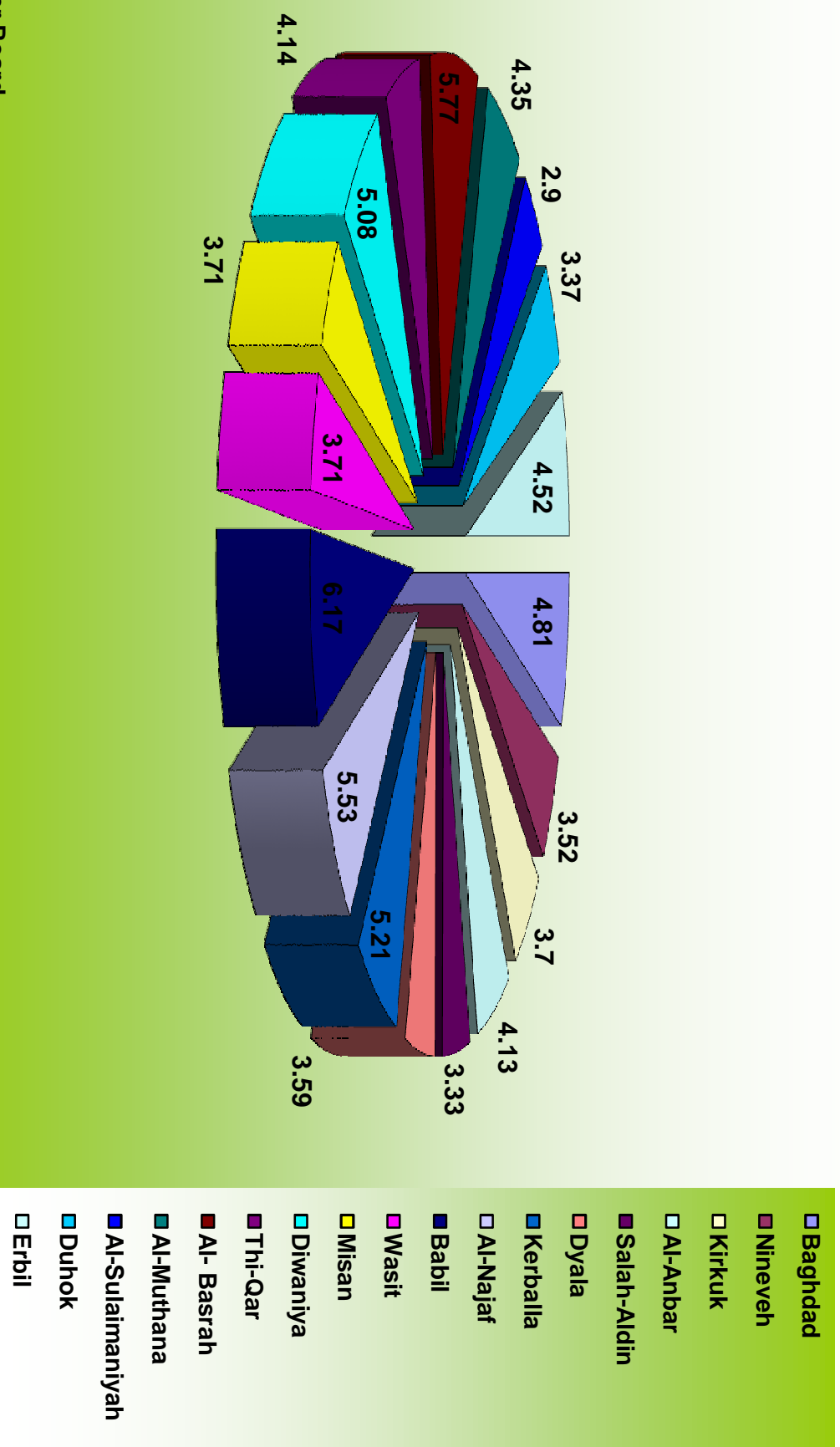


Table (66)**Percentage And Incidence Rate of Leukemia in All Provinces 2012**

Province	Total Cases	No. of Leukemia cases	Leukemia %	Registered Cases of Leukemia /100000 Pop.
Baghdad	6197	349	5.63	4.81
Nineveh	1649	118	7.16	3.52
Kirkuk	703	53	7.54	3.70
Al-Anbar	835	66	7.90	4.13
Salah-Aldin	593	48	8.09	3.33
Dyala	709	53	7.48	3.59
Kerbalaa	692	57	8.24	5.21
Al-Najaf	920	73	7.93	5.53
Babil	1264	115	9.10	6.17
Wasit	661	46	6.96	3.71
Misan	519	37	7.13	3.71
Diwaniya	686	59	8.60	5.08
Thi-Qar	735	78	10.61	4.14
Al- Basrah	1638	150	9.16	5.77
Al-Muthana	343	32	9.33	4.35
Al-Sulaimaniah	1094	56	5.12	2.90
Duhok	387	39	10.08	3.37
Erbil	403	75	18.61	4.52

Figure(39)

The Incidence Rate of Leukemia In Iraqi Provinces 2012



Cancer Mortality in 2012

Cancer Mortality in 2012:

Cancer is the fourth cause of death in Eastern Mediterranean Region and its incidence is increasing rapidly. The observed increase can be attributed to the trend of population aging, better detection and registration, and most importantly increased exposure to risk factors. The most important of these risk factors is smoking . Other factors include unhealthy diet, reduced physical activity, other behavioral lifestyle changes, pollution, and increased exposure to industrial and agricultural carcinogens.

Cancer mortality , Based on the data from the annual mortality report for the year 2012 (health and bio-statistical department / Ministry of Health).

The gastrointestinal cancer deaths is the ninth cause of deaths in Iraq with 2.5 %

A total cancer deaths in Iraq is (10278), about (5346) in males&(4932)in females. The first cancer deaths is cancer of Bronchus and Lung ,the second is Brain cancer ,the third is Breast cancer, then Leukemia , Liver , Stomach Urinary Bladder,Colorectal , Pancreas and lymphomas, as shown in table (67).

In male the first ten cancer deaths are cancer of Bronchus & Lung, Brain cancer, leukemia, Urinary Bladder , then Liver, Stomach , Colorectal, pancreas, Prostate cancer and lymph nodes(Lymphoma). as shown in table (68) .

In female the first ten cancer deaths are Breast cancer, Brain, Bronchus &Lung, leukemia, then Liver, Stomach, Colorectal, Pancreas, Ovary and lymph nodes (Lymphoma). as shown in table(69) .

Table (67)

The Commonest Ten Cancer Deaths Registered By Site and Gender in Iraq – 2012

SITE	TOTAL	MALE	FEMALE	%	INCIDENCE RATE
Bronchus & Lung	1756	1270	486	17.09	5.13
Brain	1122	576	546	10.92	3.28
Breast	1008	0	1008	9.81	2.95
Leukemia	994	525	469	9.67	2.91
Liver	673	333	340	6.55	1.97
Stomach	539	303	236	5.24	1.58
Urinary Bladder	536	395	141	5.22	1.57
Colorectal	504	280	224	4.90	1.47
Pancreas	472	268	204	4.59	1.38
Lymph Nodes(Lymphoma)	361	202	159	3.51	1.06
Total Ten	7965	4152	3813	77.50	23.28
All Cancer's Deaths	10278	5346	4932	100.00	30.05

Figure (40)

The Commonest Ten Cancer Deaths Registered By Site and Gender In Iraq (2012)

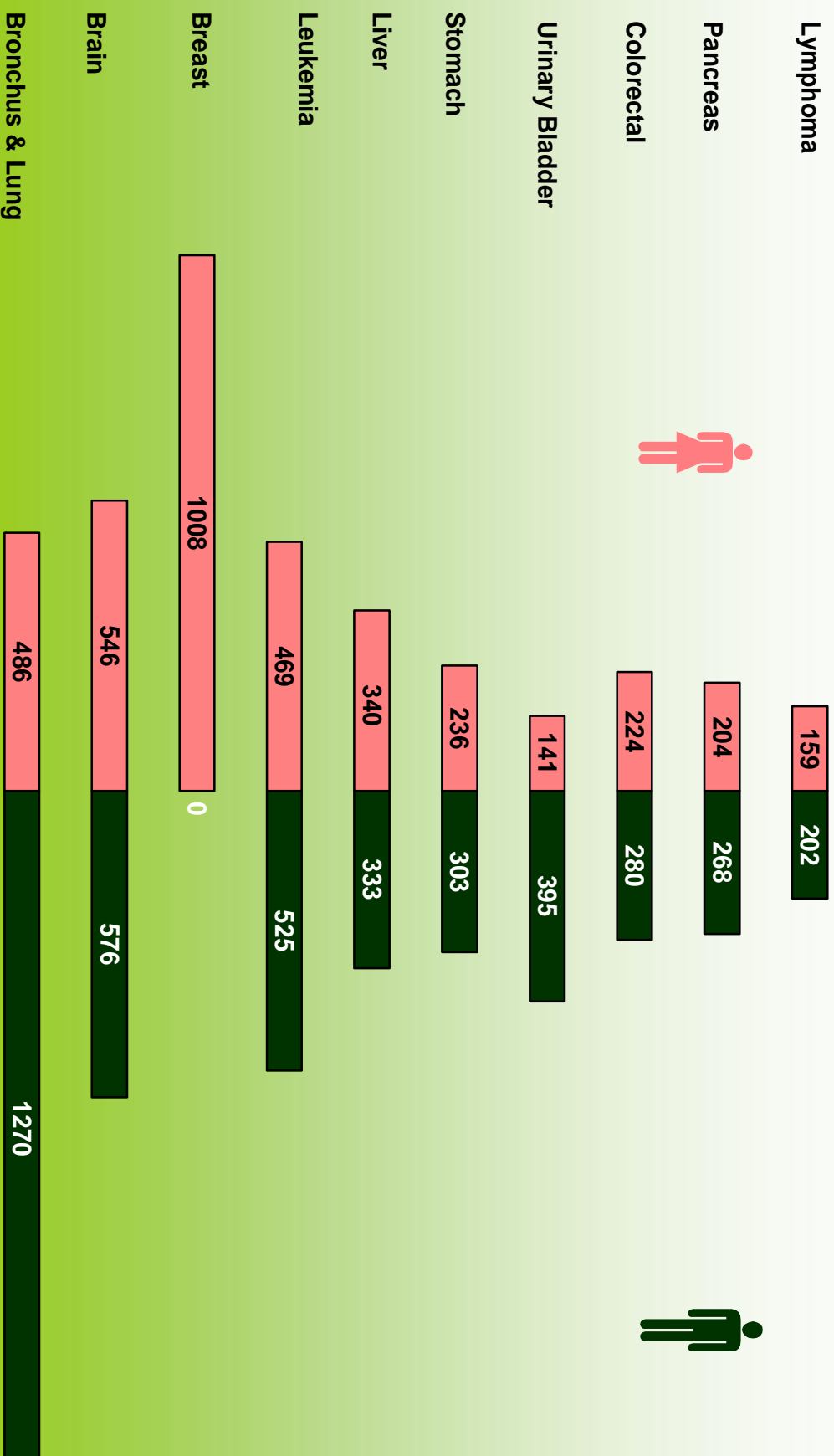


Figure (41)

The Incidence Rate of Commonest Ten Cancer Deaths by Site In Iraq - 2012

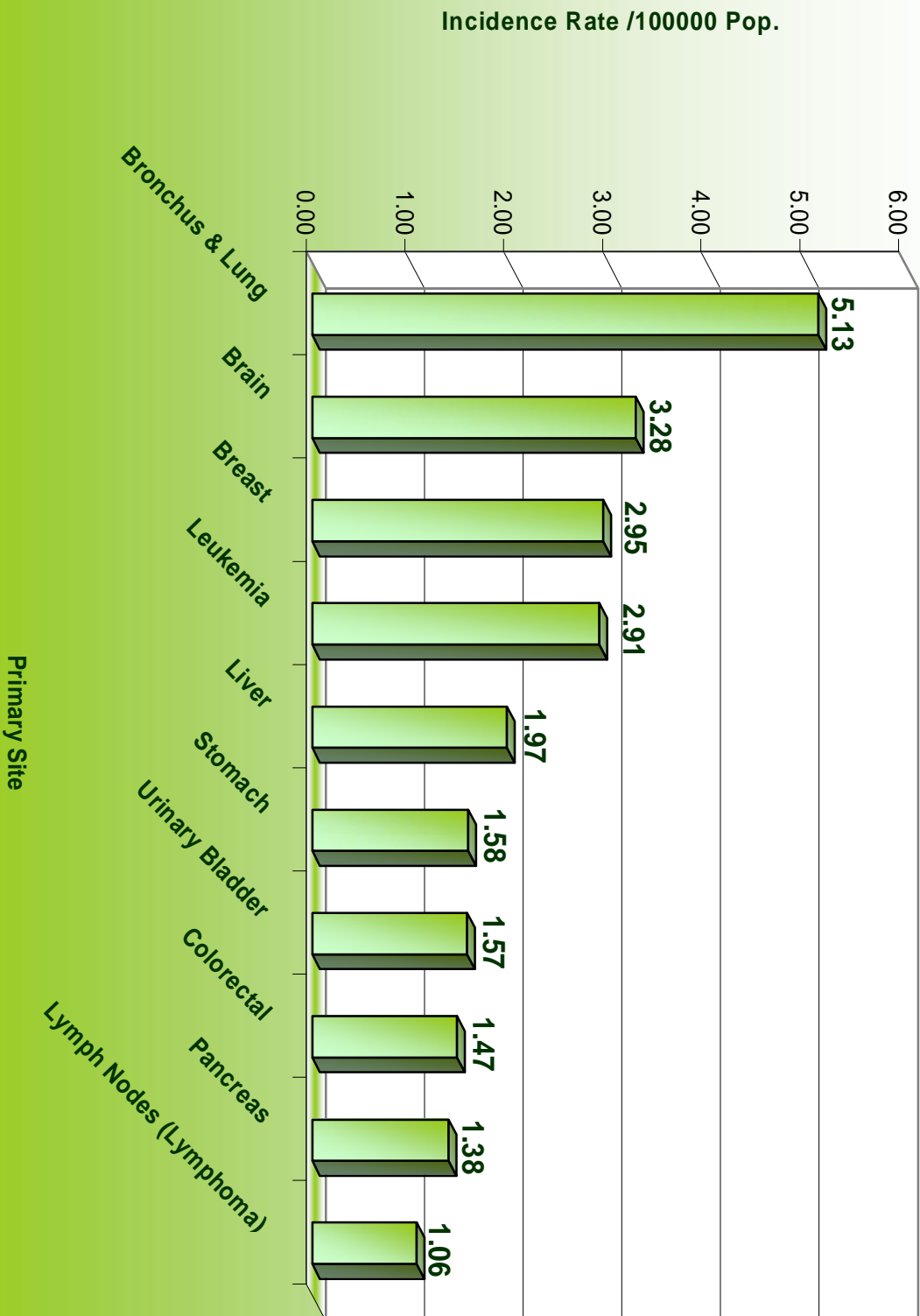


Table (68)

**The Incidence Rate of Top Ten Cancer Deaths by Site
Male - 2012**

SITE	MALE	%	INCIDENCE RATE
Bronchus & lung	1270	23.76	7.29
Brain	576	10.77	3.31
Leukemia	525	9.82	3.01
Urinary Bladder	395	7.39	2.27
Liver	333	6.23	1.91
Stomach	303	5.67	1.74
Colorectal	280	5.24	1.61
Pancreas	268	5.01	1.54
Prostate	221	4.13	1.27
Lymph Nodes (Lymphoma)	202	3.78	1.16
Total Ten	4373	81.80	25.10
All Males Cancer's Deaths	5346	100.00	30.69

Figure (42)

The Incidence Rate of Commonest Ten Cancer Deaths by Site
in Male - 2012

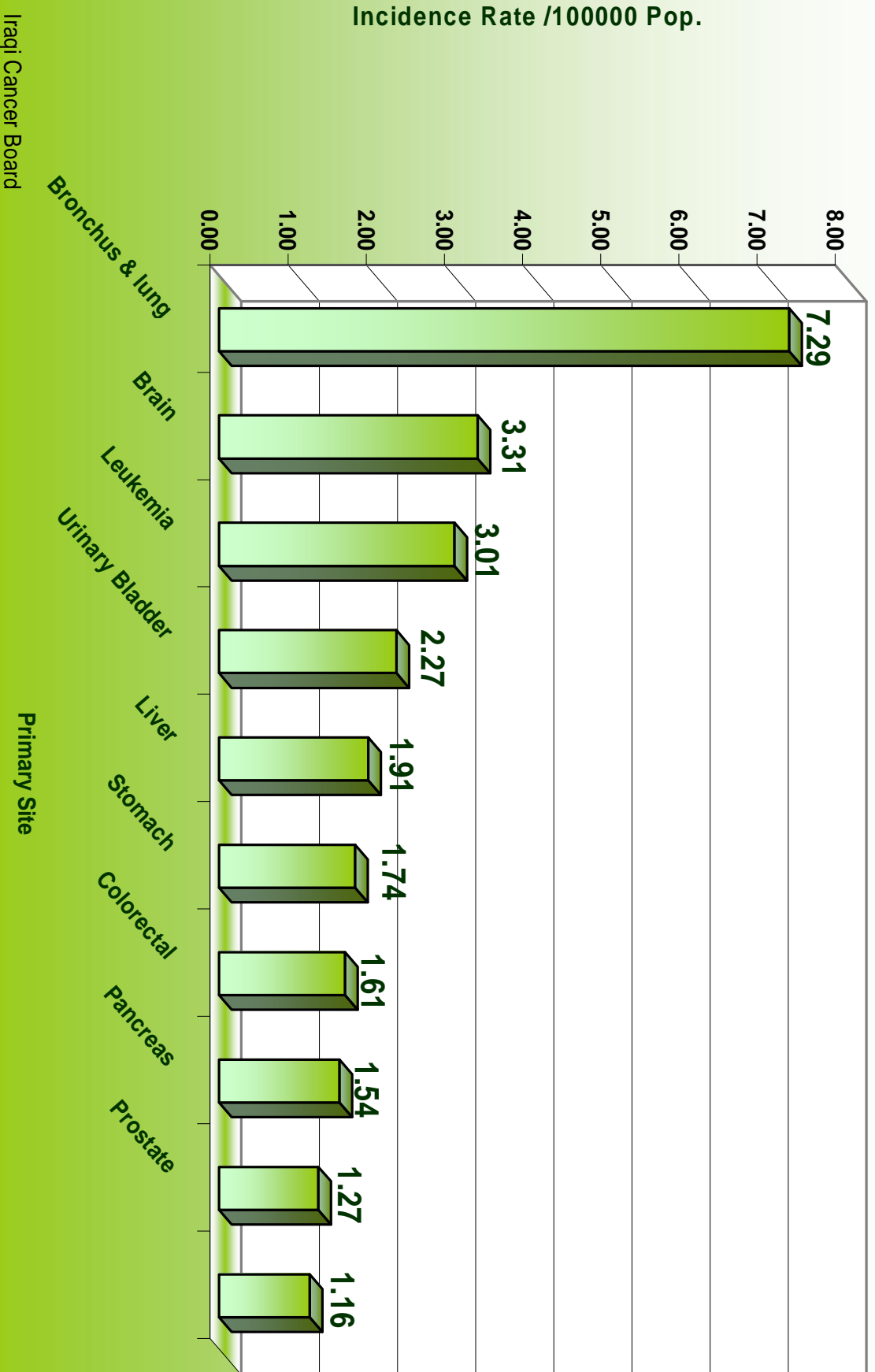


Table (69)**The Commonest Ten Cancer Deaths by Site in
Female -2012**

SITE	FEMALE	%	INCIDENCE RATE
Breast	1008	20.44	6.00
Brain	546	11.07	3.25
Bronchus & lung	486	9.85	2.90
Leukemia	469	9.51	2.79
Liver	340	6.89	2.03
Stomach	236	4.79	1.41
Colorectal	224	4.54	1.33
Pancreas	204	4.14	1.22
Ovary	160	3.24	0.95
Lymph Nodes (Lymphoma)	159	3.22	0.95
Total Ten	3832	77.70	22.83
All Females Cancer's Deaths	4932	100.00	29.38

Figure (43)

The Incidence Rate of Commonest Ten Cancer Deaths by Site in Female - 2012

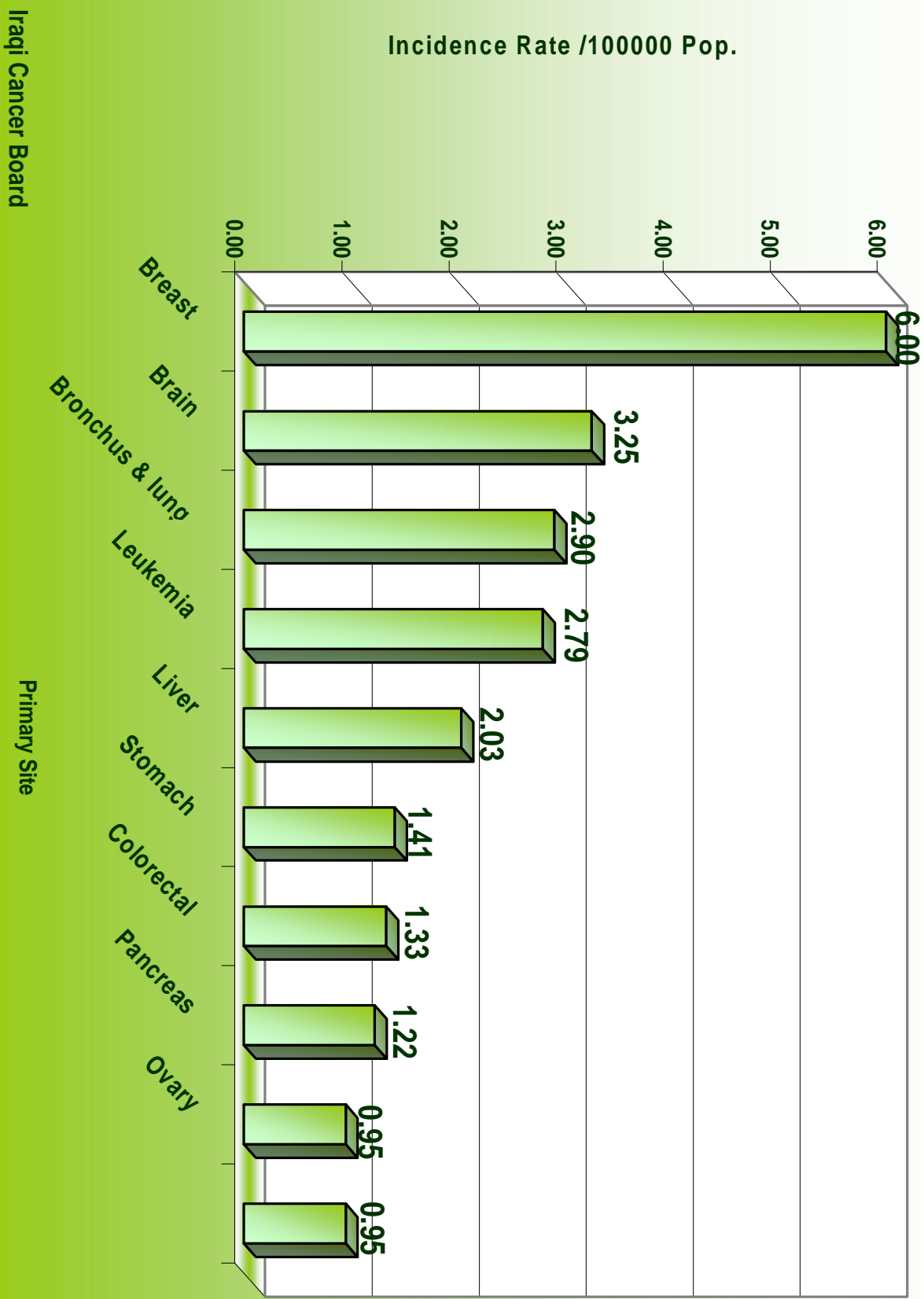
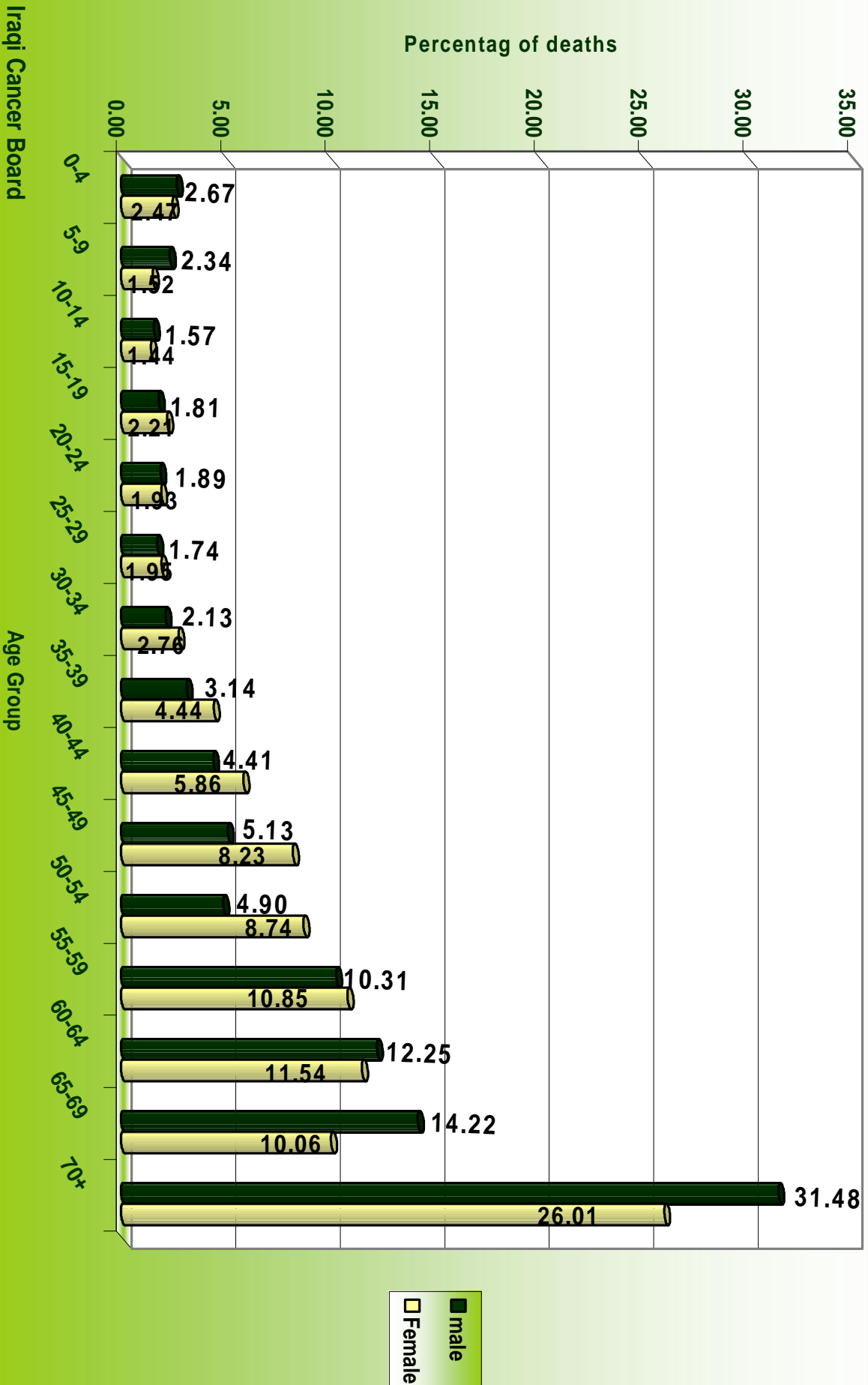


Figure (44)

Distribution And Percentag of Cancers Deaths According To Age Group And Gender In Iraq 2012



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	Pyriiform 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 tisseeues
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 –

I. Patient information

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

First Name	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>										Fathers Name	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>									
Sex	<input type="checkbox"/> (1.Male 2.Female 3.Unknown)											Birth Date	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>								
Age	<input type="checkbox"/> <input type="checkbox"/>																				
Nationality	<input type="checkbox"/> (1.Iraqi 2.Arab 3.Unknown)																				
Address	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>											Telephone	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>								
Address Detail												<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>									
Occupation												<input type="checkbox"/> (0.House wife 1.Manual 2.Agiculture 3.Technical 4.Office Gang 5.Trachning 6.Professional 7.Business 8.Other 9.Unknown)									
Tumour																					
Diagnosis	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																				
Basis of diagnosis	<input type="checkbox"/> (0.Death certificate 1.Clinical only 2.Clinical investigation 3.Surgery lautopsy 4.Laboratory test 5.Cyicology Haematological 6.Histology of Metastases 7.Histology of Primary 8.Autopsy with Histology 9.Unknown)																				
Topography	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			Morphology	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																
Behaviour	<input type="checkbox"/> (0.Bengin 1.Uncert bervmal 2.In situ 3.Malignant)																				
Grad	<input type="checkbox"/> (1.Grad 2.Grade II 3.Garde III 4.Garde IV 5.T-Cell 6.B-Cell 7.Null Cell 8.Killer Cell 9.Unknown)																				
Extent	<input type="checkbox"/> (1.In situ 2.Localised 3.Regional:Direct ext 4.Regioal:Lymph nodes 5.Regonal:Dires 6.L.N 7.Distant metastasis 8.Not applicable 9.Unknown)																				
T	<input type="checkbox"/> (Advanced / Localizec)																				
N	<input type="checkbox"/> (+/0) Multiple Primary <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																				
M	<input type="checkbox"/> (+/0) ICD - 10 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																				
Hospital Treatment																					
Hospital Date No Patient																					
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> اسم المستشفى				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Surgery <input type="checkbox"/> (1.Yes 2.No 9.Unknown)									
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> اسم المستشفى				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Radiotherapy <input type="checkbox"/> (1.Yes 2.No 9.Unknown)									
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> اسم المستشفى				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Chemotherapy <input type="checkbox"/> (1.Yes 2.No 9.Unknown)									
Path Lab. Date Path Lab. No.																					
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> اسم المستشفى				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Hormonal therapy <input type="checkbox"/> (1.Yes 2.No 9.Unknown)									
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> اسم المستشفى				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Immunotherapy <input type="checkbox"/> (1.Yes 2.No 9.Unknown)									
Follow up																					
Date Last Contact or Death	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																				
Status	<input type="checkbox"/> (1.Dead 2.Alive)																				
Cause of Death	<input type="checkbox"/> (1.Cancer 2.Other 9.Unknown)																				
ملاحظة : يرجى املاء الحقول رقم (٨٠٧٠٦٠٥٤٣٢٠١) باللغة العربية وترك مايقابلها لمركز التسجيل السرطاني.																					
اسم منظم الاستمارة وتوقيعه																					
التاريخ : ٢٠١ / /																					
الاحصائي :																					
الطبيب :																					