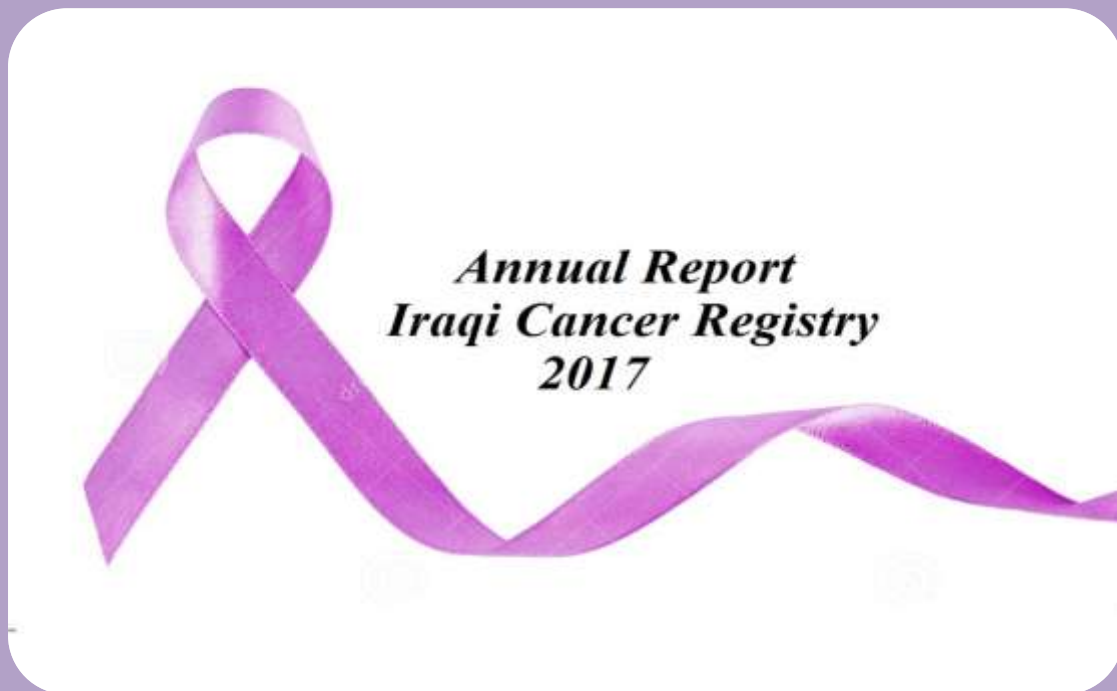
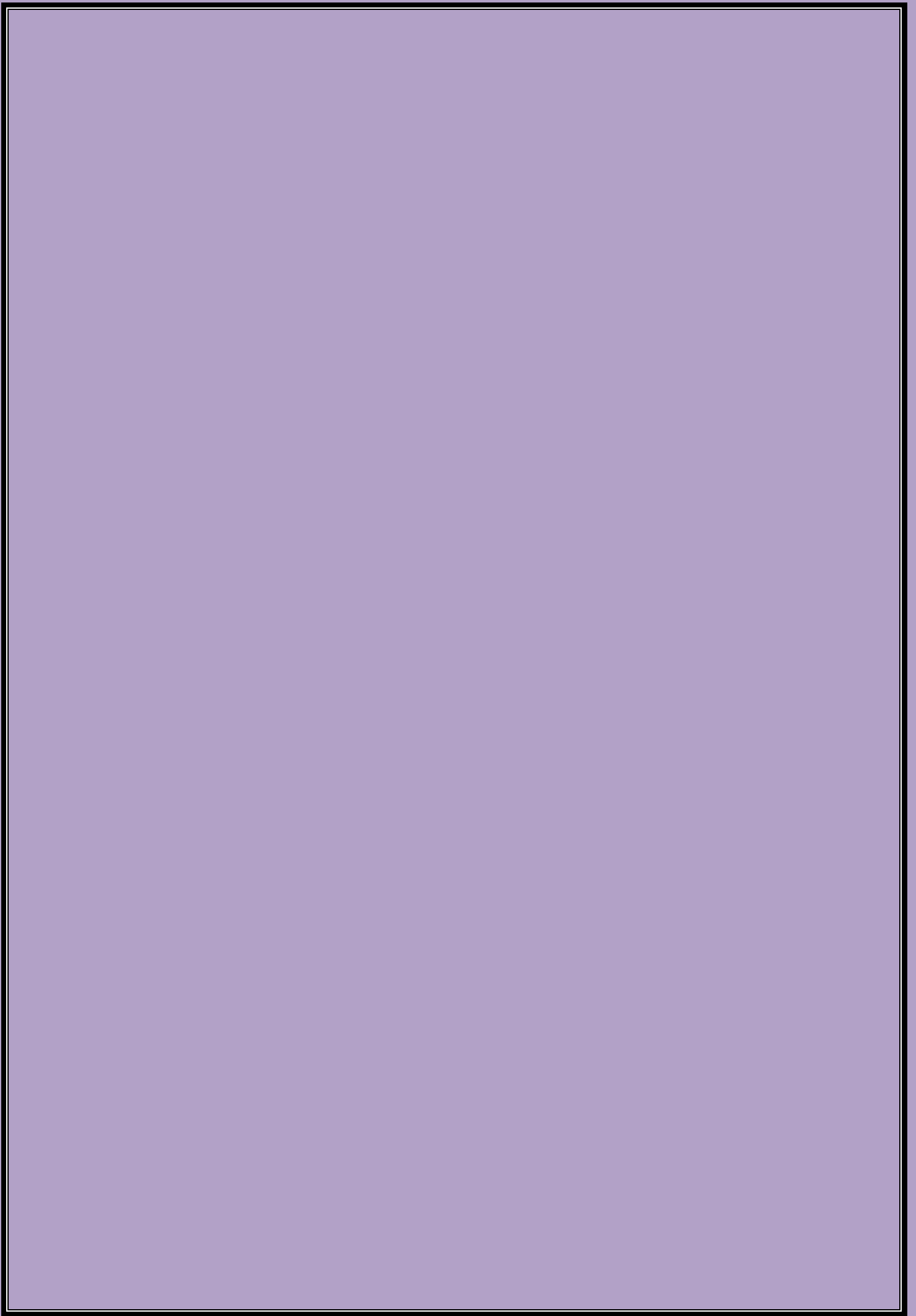




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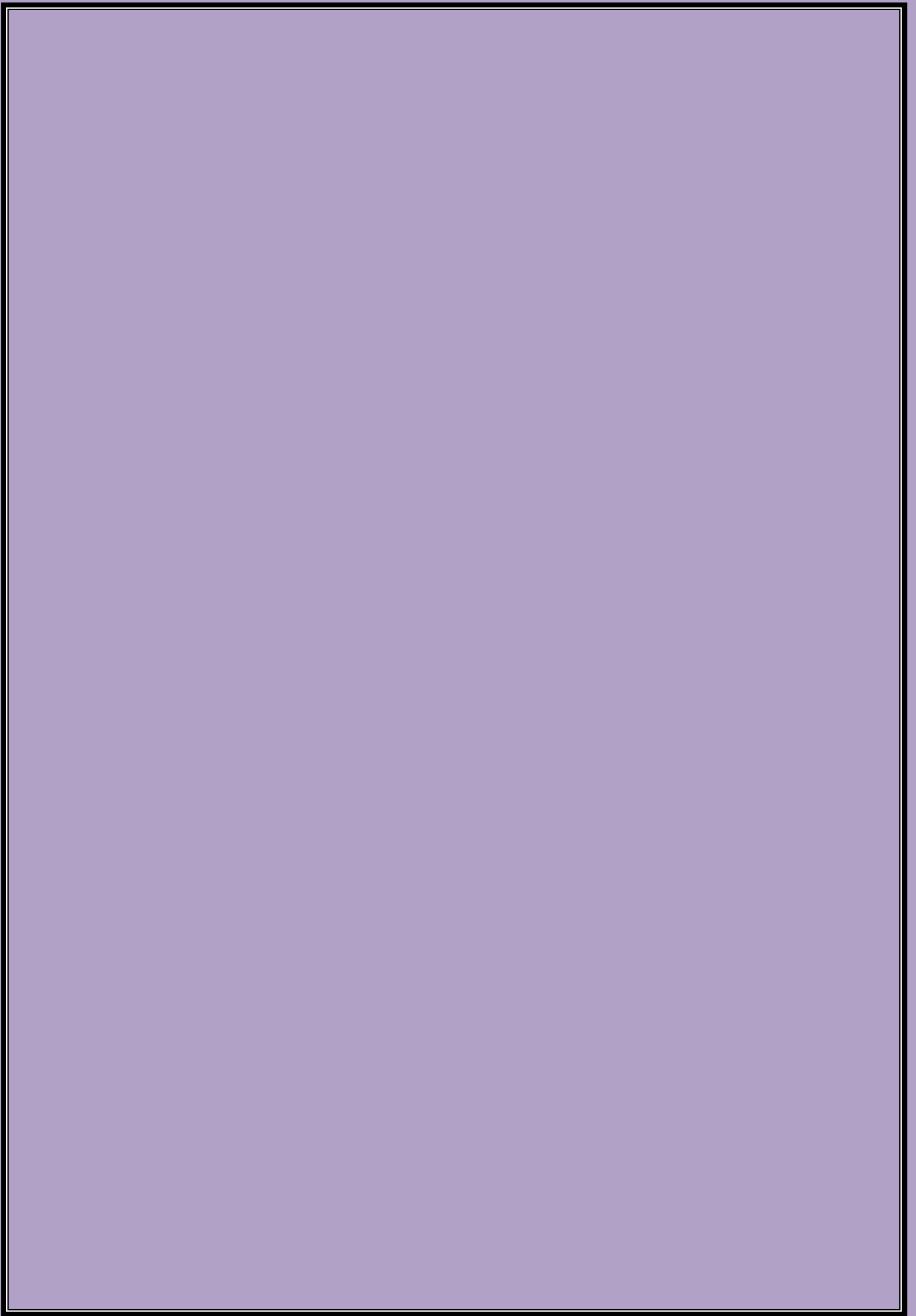




Republic of Iraq
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Annual Report
Iraqi Cancer Registry
2017

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List of Abbreviations

Iraqi Cancer Registry	ICR
Populations	P
Male Populations	MP
Female Populations	FP
Incidence Rate	IR
Central Nervous System	CNS
Eastern Mediterranean Region	EMR
International Agency for Research on Cancer	IARC
Human Immunodeficiency Virus	HIV
Acquired Immune deficiency Syndrome	ADIS
International Classification of Diseases for Oncology	ICD-O
Autonomic Nervous System	ANS

Summary:

Iraqi Cancer Registry Annual Report provides information about cancer, new cases of cancer and mortality. The data are collected from hospitals and laboratories (public and private) in all directorates of health in Iraq by CanReg 4 program.

The total number of new cases of cancer during the year 2017 was 29,023. The highest incidence was among the age group 70+ years. Related to the governorates the highest incidence rate in both genders was recorded in Karbala (111.77\100,000 Populations) (Males: 104.02\100,000 Male Populations, Females: 119.66\100,000 Female Populations). The lowest incidence rate in general in Salaheldin (45.75\100,000 Populations), but for males the lowest incidence rate was recorded in Nineveh (34.48\100,000 Male Populations), while in females was recorded in Maysan (54.42\100,000 Female Populations).

The trend of the incidence rate of new cases of cancer increased from the year 2006 (52.8\100,000 Populations) to the year 2017 (78.14\100,000 Populations).

The top ten cancers in both genders were breast (20.50%, 16.02\100,000 Populations), bronchus & lung (7.80%, 6.10\100,000 Populations), leukemia (7.61%, 5.95\100,000 Populations), colorectal (5.91%, 4.62\100,000 Populations), urinary bladder (5.08%, 3.97\100,000 Populations), Non-Hodgkin lymphomas (5.03%, 3.93\100,000 Populations), brain & other central nervous system tumor (CNS) (4.54%, 3.55\100,000 Populations), thyroid gland (3.65%, 2.85\100,000 Populations), skin (3.40%, 2.66\100,000 Populations) and stomach (2.95%, 2.30\100,000 Populations)

The top ten cancers in males were bronchus & lung (12.63 %, 8.42\100,000 Male Populations), leukemia (9.27%, 6.18\100,000 Male Populations), urinary bladder (8.98%, 5.98\100,000 Male Populations), colorectal (7.41%, 4.94\100,000 Male Populations), prostate (6.82%, 4.55\100,000 Populations), Non-Hodgkin lymphomas (6.20%, 4.13\100,000 Male Populations), brain & other central nervous system tumor (CNS) (5.74%, 3.83\100,000 Male Populations), skin (4.10%, 2.73\100,000 Male Populations), stomach (3.82%, 2.54\100,000 Male Populations) and kidney (3.29%, 2.19\100,000 Male Populations).

The top ten cancers in females were breast (35.42%, 31.84\100,000 Female Populations), leukemia (6.36%, 5.71\100,000 Female Populations), thyroid gland (4.84%, 4.35\100,000 Female Populations), colorectal (4.78%, 4.29\100,000 Female Populations), ovary (4.24%, 3.81\100,000 Populations), bronchus & lung (4.15%, 3.73\100,00 Female Populations), Non-Hodgkin lymphomas (4.15%, 3.73\100,000 Female Populations), brain & other central nervous system tumor (CNS) (3.63%, 3.26\100,000 Female Populations), skin (2.87%, 2.58\100,000 Female Populations), and unknown primary site (2.51%, 2.26\100,000 Female Populations).

The total number of new cases of cancer in children (0-14 years) was 1,660 out of the 29,023 (total number of new cases of cancer of all age groups). The most affected age group of top ten cancers was 0 - <5 years. The highest incidence rate of cancer in children was leukemia (3.71\100,000 children 0-14 years Populations). Related to the governorates the highest incidence of top ten cancers in children (0-14 years) was

recorded in Al Muthana (13.44\100,000 children 0-14 year Populations) and the lowest was in Nineveh (6.17\100,000 children 0-14 year Populations).

The total number of cancer mortality during the year 2017 was 7,145. The highest incidence rate of cancer mortality in males was bronchus & lung cancer (4.10\100,000 Male Populations), while the highest incidence rate of cancer mortality in females was breast cancer (4.36\100,000 Female Populations). As to the governorates, the highest incidence rate of top ten cancer mortality was recorded in Karballa (30.32\100,000 Populations). The highest incidence rate of top ten cancers mortality was recorded among the age group 70+ years.

The total number of new cases of cancer among Non Iraqis during the year 2017 was 120 cases. The most affected age group was 40 - < 45years, with a percentage of 15%. The highest percentage of cancer among Non Iraqi was breast cancer (33.33%), followed by leukemia (10.83%), then colorectal cancer (8.33%). Related to the governorates the highest percentage in both genders was recorded in Erbil (47.5%), while the lowest percentage was recorded in Kirkuk (0.83%). There is no death cases recorded among Non Iraqis during the year 2017 as a result of cancer.

Introduction:

Globally cancer is the second leading cause of death and is estimated to account for 9.6 million deaths in 2018. Lung, prostate, colorectal, stomach and liver cancer are the most common types of cancer in men, while breast, colorectal, lung, cervix and thyroid cancer are the most common among women. Approximately 70% of deaths from cancer occur in low- and middle-income countries. Around one third of deaths from cancer are due to the 5 leading behavioral and dietary risks: high body mass index, low fruit and vegetable intake, lack of physical activity, tobacco use, and alcohol use. Between 30–50% of cancers can currently be prevented by avoiding risk factors and implementing existing evidence-based prevention strategies. The cancer burden can also be reduced through early detection of cancer and management of patients who develop cancer. Many cancers have a high chance of cure if diagnosed early and treated adequately ^[1].

In Eastern Mediterranean Region (EMR), the burden of cancer is predicted to double by 2030. The region, like much of the world, is experiencing an epidemiological transition from communicable diseases to non-communicable diseases such as cardiovascular diseases, diabetes and cancer ^[2]. Cancer is one of the four major killers in the region and results in nearly 400,000 deaths every year. Notably, the number of cases is projected to increase dramatically over the next 15 years, with the Eastern Mediterranean Region expected to have the highest estimated increase in cancer burden of all six World Health Organization regions. Furthermore, survival rates in the EMR are lower than in Europe and in the Americas, because patients usually present at a late stage when cancer is likely to be incurable. Estimates from the International Agency for Research on Cancer (IARC) indicate around 293,000 newly diagnosed cancer cases among women in the EMR in 2012, and a total of 176,000 women died of the disease. In the same year, the estimated numbers of cancer cases and deaths in men were 263,000 and 191,000 respectively. The five most common sites of cancer in men are lung, urinary bladder, liver, prostate and colorectal. Among women, breast cancer accounted for almost a third of all cancers followed by cervix and colorectal cancer. In 2012, breast cancer was the leading cause of cancer mortality (42,000 deaths) in the region, followed by lung cancer (29,000 deaths) ^[3].

Global trends suggest that the burden of cancer is increasing in the Eastern Mediterranean Region, Table No.; (1)

Table No.; (1) Top 20 Leading Cause of Death in the Eastern Mediterranean Region, Estimated Number, 2015 - 2030 ^[4]

Rank	2015	Rank	2030
1	Ischemic heart disease	1	Ischemic heart disease
2	Stroke	2	Stroke
3	Lower respiratory infection	3	Chronic obstructive pulmonary disease
4	Chronic obstructive pulmonary disease	4	Lower respiratory infection
5	Diarrheal disease	5	Diarrheal disease
6	HIV/AIDS	6	Trachea, bronchus, lung cancers
7	Trachea, bronchus, lung cancers	7	Road injury
8	Lower respiratory infection	8	HIV/AIDS
9	Road injury	9	Diarrheal disease
10	Hypertensive heart disease	10	Hypertensive heart disease
11	Preterm birth complications	11	Cirrhosis of the liver
12	Cirrhosis of the liver	12	Liver cancer
13	Tuberculosis	13	Kidney diseases
14	Kidney diseases	14	Stomach cancer
15	Self-harm	15	Colon and rectum cancer
16	Liver cancer	16	Self-harm
17	Stomach cancer	17	Fall
18	Birth asphyxia and birth trauma	18	Alzheimer's disease and other dementias
19	Colon and rectum cancer	19	Preterm birth complications
20	Fall	20	Breast cancer

In Iraq malignant neoplasm's represented the third leading cause of death (9.05% of the top 10 leading cause of death in 2017), Table No.; (2).

Table No.; (2) Top 10 Leading Cause of Death in Iraq, 2017 ^[5]

Ran k	2017
1	Cerebrovascular diseases
2	Ischemic heart disease
3	Malignant neoplasm's
4	Heart failure
5	Renal failure
6	Hypertensive disease
7	Respiratory and cardiovascular disorders specific to the per-natal period
8	Diabetes mellitus
9	Operation of war
10	Traffic Road Accident

Iraqi Cancer Registry

1. Iraqi Cancer Registry:

1.1. Description of ICR: The ICR is responsible for collection of information related to new cancer patient in all governorates of Iraq. The cancer registration scheme is primarily concerned with malignant neoplasm's, but some benign, in-situ, uncertain and specified tumors are required to be registered.

1.2. History of ICR: ICR was established in 1974 through close cooperation of Ministry of Health and the Iraqi Cancer Society. It got started in 1975 and was located in the Central Public Health Laboratory. The forms were prepared with kind help of the International Agency of Research on Cancer in Lyon France.

1.3. Publication of ICR: Since 1976 we have published many reports of the ICR [(1976–1985), (1986 –1988), (1989 –1991), (1992–1994), (1995–1997), (1998 – 1999)]. We also have published the annual report of ICR from 2000 to 2016.

1.4. Source of information: The cancer registry collects data from medical record departments of all hospitals in all governorates of Iraq. All the sources of information for the registry are found in the hospital inpatient and outpatient departments and its laboratories.

1.5. Data record: The form is distributed to all hospitals (public and private) in all governorates and all cancer patients are registered. The registry staff directly supervises registration in the hospitals, in addition to public and private labs.

1.6. Data collection and techniques:

- Data are registered by well trained staff instructed to copy certain items from hospital records, and from radiotherapy and pathology departments by CanReg 4(annex). Registration is also obtained from private laboratories for cases which have been diagnosed in private hospitals in all governorates.
- The completed forms are sent every 3 months to the central registry at the Ministry of Health where they have checked and filled by name, registry number, and the International Classification of Diseases for Oncology (ICD-O) code, for accuracy and completeness for each reported case.
- The histology is coded by the ICD-O System.
- The completed records are entered into "Alphabetical Index" to prevent duplication.

1.7. Objectives: The objectives of the ICR are:

- To estimate the incidence rate of cancer.
- To describe the epidemiological characteristic of cancer.
- To define the size of the cancer problem and pattern of cancer occurrence in Iraq for planning, organizing, and monitoring of services for treatment and prevention.
- To carry out epidemiological research.

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

1.9. 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.

Iraqi Geography *&* *Populations*

2. Iraqi Geography and Populations:

2.1. 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 Anbar the highest area, reaching to 31.7%, followed by Muthana province by 11.9% of the area of Iraq and Nineveh province reaching 8.6% of the area of Iraq.

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: Environmental Statistics in Iraq Report 2009).

2.2. Populations: Below the estimated number of Iraq's population in 2017 by gender and age group. Table No.; (3, 4), Figure No.; (1).

Table No.; (3) Estimated Number and Percentage of Iraq's Population by Gender and Age Group, 2017 ^[6]

Age group	Male		Female		Total	
	N.	%	N.	%	N.	%
0 - 4	2,797,545	7.53	2,651,875	7.14	5,449,420	14.67
5 - 9	2,610,837	7.03	2,457,750	6.62	5,068,587	13.65
10-14	2,333,310	6.28	2,178,225	5.86	4,511,535	12.15
15-19	2,047,196	5.51	1,934,291	5.21	3,981,487	10.72
20-24	1,788,188	4.81	1,650,324	4.44	3,438,512	9.26
25-29	1,402,568	3.78	1,363,691	3.67	2,766,259	7.45
30-34	1,228,111	3.31	1,263,834	3.40	2,491,945	6.71
35-39	1,046,795	2.82	1,103,641	2.97	2,150,436	5.79
40-44	987,116	2.66	1,000,295	2.69	1,987,411	5.35
45-49	729,478	1.96	751,125	2.02	1,480,603	3.99
50-54	430,105	1.16	535,617	1.44	965,722	2.60
55-59	488,977	1.32	511,700	1.38	1,000,677	2.69
60-64	336,760	0.91	368,061	0.99	704,821	1.90
65-69	221,659	0.60	230,935	0.62	452,594	1.22
70-74	144,623	0.39	145,522	0.39	290,145	0.78
75-79	76,170	0.21	91,800	0.25	167,970	0.45
80+	94,320	0.25	137,075	0.37	231,395	0.62
Total	18,763,758	50.52%	18,375,761	49.48%	37,139,519	100.00%

Figure No.; (1) Pyramid of Estimated Percentage of Iraq's Population by Gender and Age Group, 2017 ^[6]

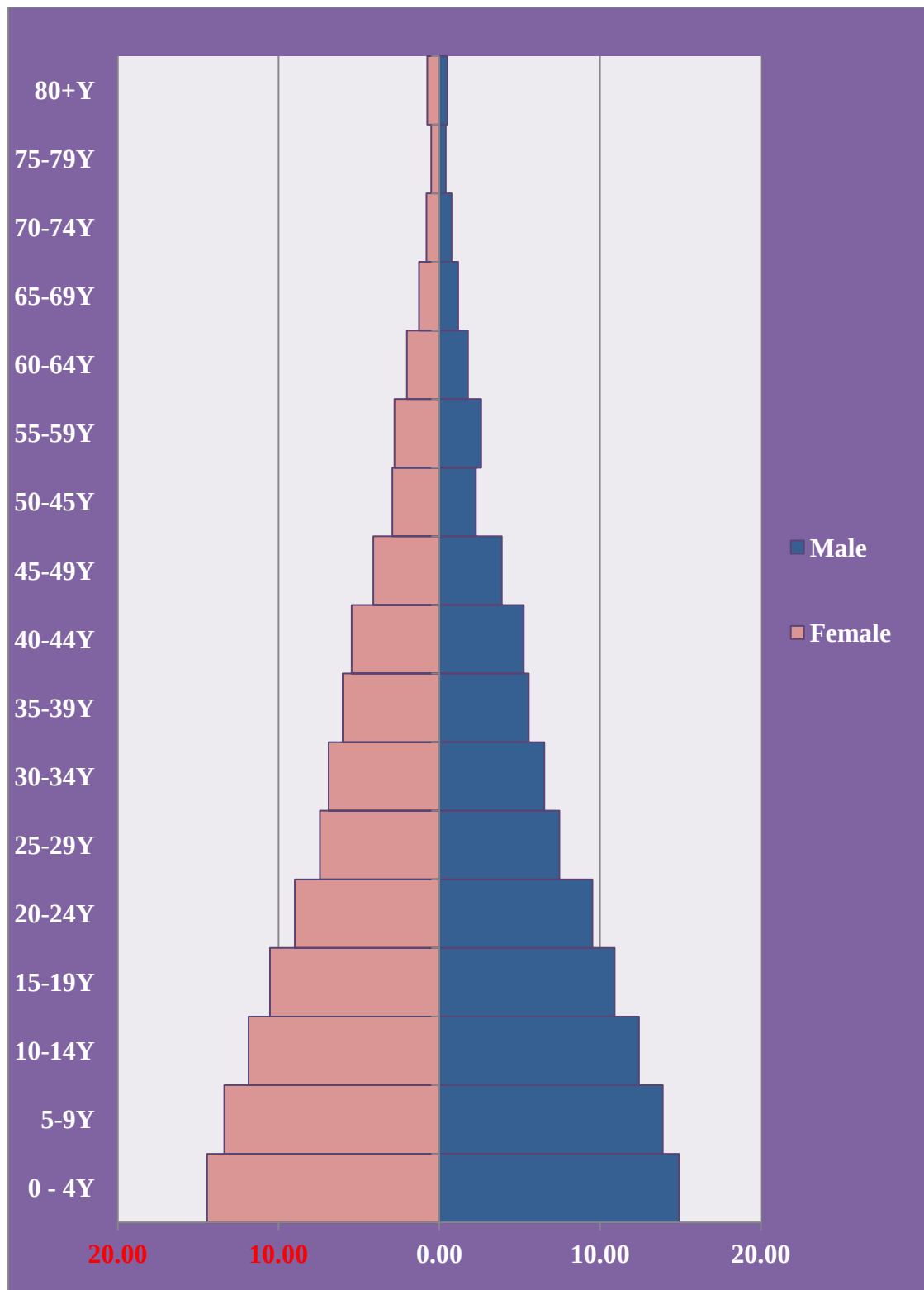


Table No.; (4) Estimated Number of Iraq's Population by Governorates and Gender, 2017 ^[6]

Governorates	Populations No.		
	Male	Female	Total
Baghdad	4,017,114	3,899,733	7,916,847
Nineveh	1,856,175	1,777,473	3,633,648
Al-Basrah	1,423,386	1,409,989	2,833,375
Al-Sulaimanyia	1,053,730	1,052,693	2,106,423
ThiQar	1,024,478	1,016,588	2,041,066
Babil	1,016,483	995,223	2,011,706
Erbil	912,208	894,663	1,806,871
Al-Anbar	886,672	839,242	1,725,914
Diyala	805,690	789,252	1,594,942
Kirkuk	783,591	773,027	1,556,618
Salaheldin	784,996	769,041	1,554,037
Al-Najaf	718,765	714,818	1,433,583
Wasit	678,051	665,074	1,343,125
Duhok	630,949	628,201	1,259,150
Al-Diwanyia	633,896	623,793	1,257,689
Karbala	598,918	588,327	1,187,245
Maysan	539,997	543,940	1,083,937
Al-Muthana	398,659	394,684	793,343
Total	18,763,758	18,375,761	37,139,519

Results

History of Cancer in Iraq

3. Results:

3.1. History of Cancer in Iraq:

3.1.1. Distribution of new cases of cancer, Iraq, 1976 - 2017:

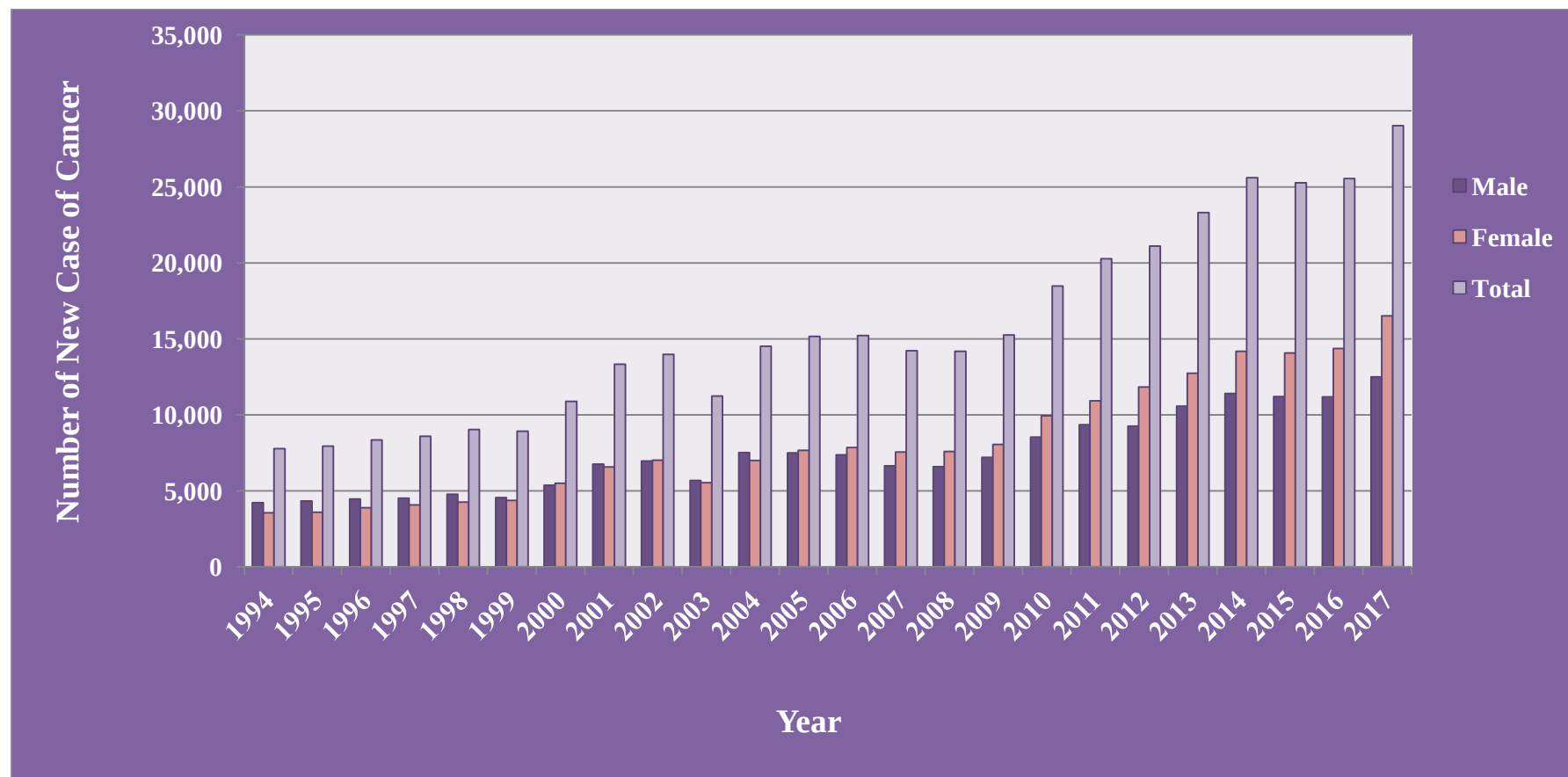
Table No.; (5) Figure No.; (2, 3) shows the distribution of new cases of cancer in Iraq for the period from 1976 to 2017, which shows that the number of new cases of cancer was increased with the time.

Table No.; (5) Distribution of New Cases of Cancer by Gender, Iraq, 1994-2017

Year	Male		Female		Total	
	No.	%	No.	%	No.	%
1994	4,230	54.4	3,555	45.6	7,785	100%
1995	4,344	54.7	3,604	45.3	7,948	100%
1996	4,466	53.5	3,894	46.5	8,360	100%
1997	4,521	52.7	4,071	47.3	8,592	100%
1998	4,774	52.9	4,259	47.1	9,033	100%
1999	4,556	50.9	4,380	49.1	8,936	100%
2000	5,376	49.4	5,512	50.6	10,888	100%
2001	6,758	50.6	6,574	49.4	13,332	100%
2002	6,964	49.8	7,021	50.2	13,985	100%
2003	5,698	50.6	5,550	49.4	11,248	100%
2004	7,525	51.8	6,995	48.2	14,520	100%
2005	7,505	49.5	7,667	50.5	15,172	100%
2006	7,377	48.5	7,849	51.5	15,226	100%
2007	6,656	46.8	7,557	53.2	14,213	100%
2008	6,589	46.5	7,591	53.5	14,180	100%
2009	7,201	47.3	8,050	52.7	15,251	100%
2010	8,544	46.3	9,938	53.7	18,482	100%
2011	9,352	46.2	10,926	53.8	20,278	100%
2012	9,268	43.9	11,833	56.1	21,101	100%
2013	10,568	45.4	12,740	54.6	23,308	100%
2014	11,411	44.5	14,187	55.5	25,598	100%
2015	11,205	44.4	14,064	55.6	25,269	100%
2016	11,194	43.8	14,362	56.2	25,556	100%
2017	12,502	43.1	16,521	56.9	29,023	100%

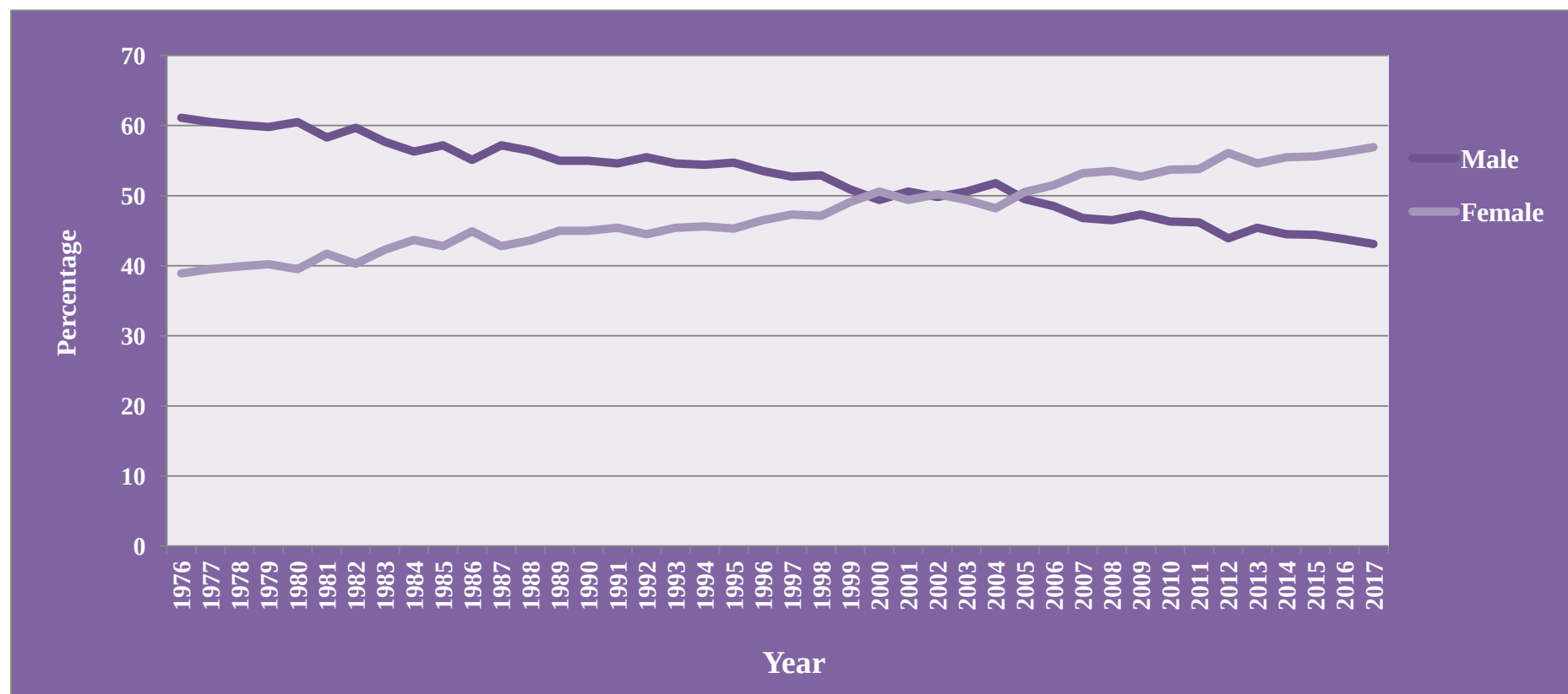
From 1995 till 2004 without Kurdistan region (Erbil, Duhok, and Sulaimaniya Governorates)

Figure No.; (2) Number of New Cases of Cancer by Gender, Iraq, 1994-2017



Note: From 1995 till 2004 without Kurdistan region (Erbil, Duhok, and Sulaimaniya Governorates)

Figure No.; (3) Percentage of New Cases of Cancer by Gender, Iraq, 1976-2017



Note: From 1995 till 2004 without Kurdistan region (Erbil, Duhok, and Sulaimaniya Governorates)

3.1.2. Trend of incidence rate of new cases of cancer, Iraq, 2006-2017:

Figure No.; (4) shows the trend incidence rate of new cases of cancer in Iraq for the last 12 years, which shows that the trend increased from 2006 to 2017.

Figure No.; (4) Trend of Incidence Rate of New Cases of Cancer in Iraq\100,000 Populations, 2006 – 2017



Results

New Cases of Cancer in Iraq *2017*

3.2. New Cases of Cancer in Iraq, 2017:

3.2.1. Distribution of new cases of cancer, Iraq, 2017:

Table No.; (6) shows that the total number of new cases of cancer was 29,023, and the highest percentage was among the age group 60-64 years, and it was in females (NO.16,521\56.92%) more than in males (No.12,502\43.08%).

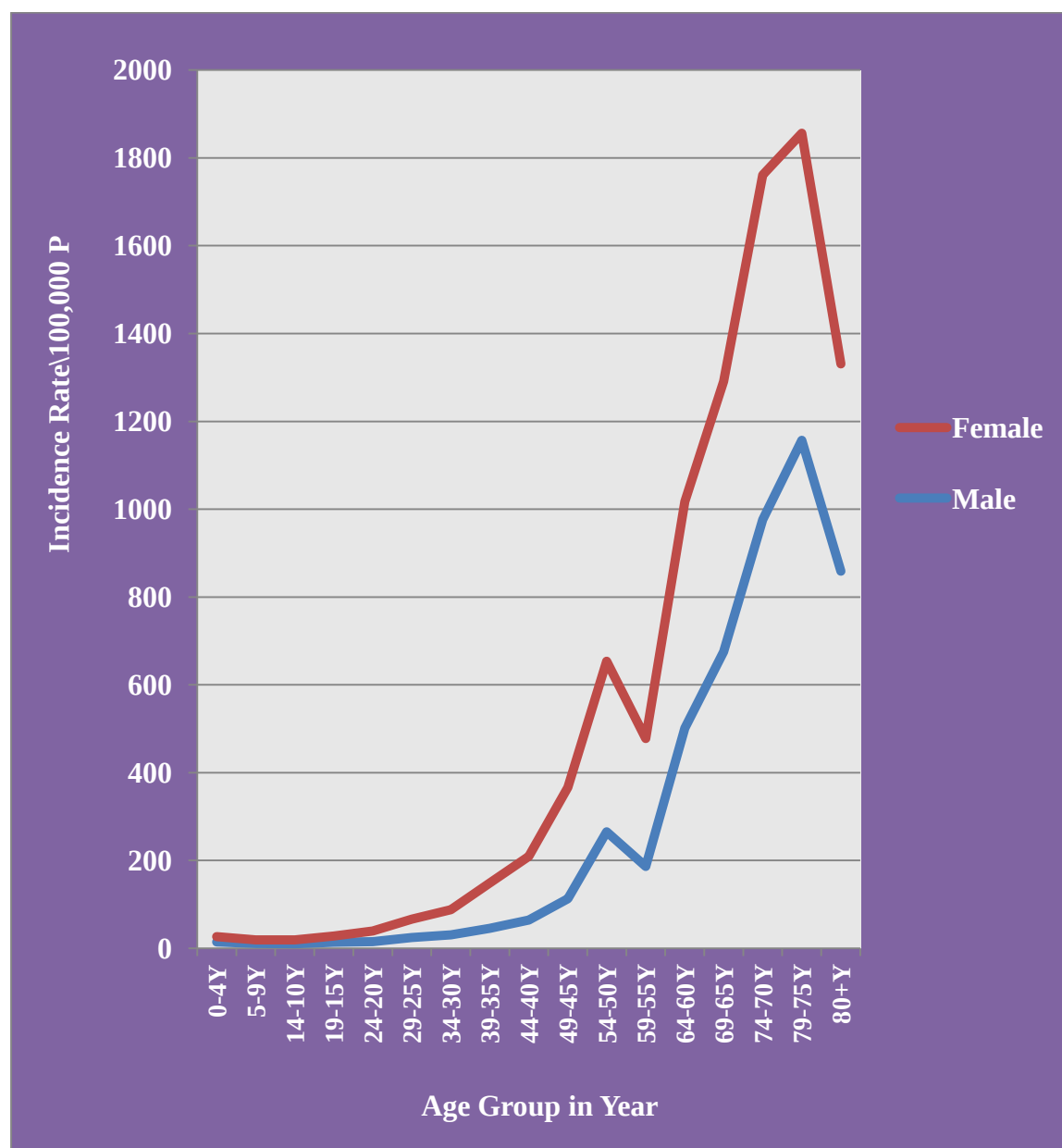
Table No.; (6) Distribution of New Cases of Cancer by Age Group and Gender, Iraq, 2017

Age Group	Male		Female		Total	
	No.	%	No.	%	No.	%
0 - 4	412	1.42	319	1.10	731	2.52
5 - 9	290	1.00	205	0.71	495	1.71
10 - 14	239	0.82	195	0.67	434	1.49
15 - 19	282	0.97	278	0.96	560	1.93
20 - 24	273	0.94	404	1.39	677	2.33
25 - 29	346	1.19	566	1.95	912	3.14
30 - 34	376	1.30	721	2.48	1,097	3.78
35 - 39	479	1.65	1,137	3.92	1,616	5.57
40 - 44	634	2.18	1,450	5.00	2,084	7.18
45 - 49	823	2.84	1,905	6.56	2,728	9.4
50 - 54	1,140	3.93	2,084	7.18	3,224	11.11
55 - 59	912	3.14	1,492	5.14	2,404	8.28
60 - 64	1,689	5.82	1,899	6.54	3,588	12.36
65 - 69	1,497	5.16	1,422	4.90	2,919	10.06
70-74	1,412	4.87	1,142	3.93	2,554	8.8
75-79	881	3.04	642	2.21	1,523	5.25
80+	810	2.79	647	2.23	1,457	5.02
unknown	7	0.02	13	0.04	20	0.06
Total	12,502	43.08%	16,521	56.92%	29,023	100.00%

3.2.2 Trend of incidence rate of new cases of cancer by age group, Iraq, 2017:

Figure No.; (5) shows the trend incidence rate of new cases of cancer in Iraq by age group, which shows that the highest incidence rate increased with age (64 years and more) in both genders.

**Figure No.; (5) Trend of Incidence Rate of New Cases of Cancer in Iraq
\\100,000Populations by Age Group and Gender, 2017**



3.2.3. Distribution and incidence rate of new cases of cancer by governorates stratified by gender, Iraq, 2017:

Table No.; (7), Figure No.; (6) shows that the highest percentage of new cases of cancer in Iraq was in Baghdad and the lowest was in Maysan. While the highest incidence rate was in Karballa, and the lowest incidence rate was in Salaheldin.

Table No.; (7) Distribution New Cases of Cancer by Governorates, Iraq, 2017

Governorates	No.	%
Baghdad	7,738	26.67
Al-Basrah	2,194	7.56
Al-Sulaimanyia	1,791	6.17
Nineveh	1,711	5.9
Erbil	1,681	5.79
ThiQar	1,435	4.94
Babil	1,391	4.79
Karballa	1,327	4.58
Al-Najaf	1,250	4.31
Kirkuk	1,097	3.78
Diyala	1,087	3.75
Wasit	957	3.3
Al-Anbar	905	3.12
Al-Diwanyia	891	3.07
Duhok	831	2.87
Salaheldin	711	2.45
Al-Muthana	582	2
Maysan	543	1.87
Unknown	901	3.11
Total	29,023	100.00%

Table No.; (6) Incidence Rate of New Cases of Cancer \100,000 Populations by Governorates, Iraq, 2017

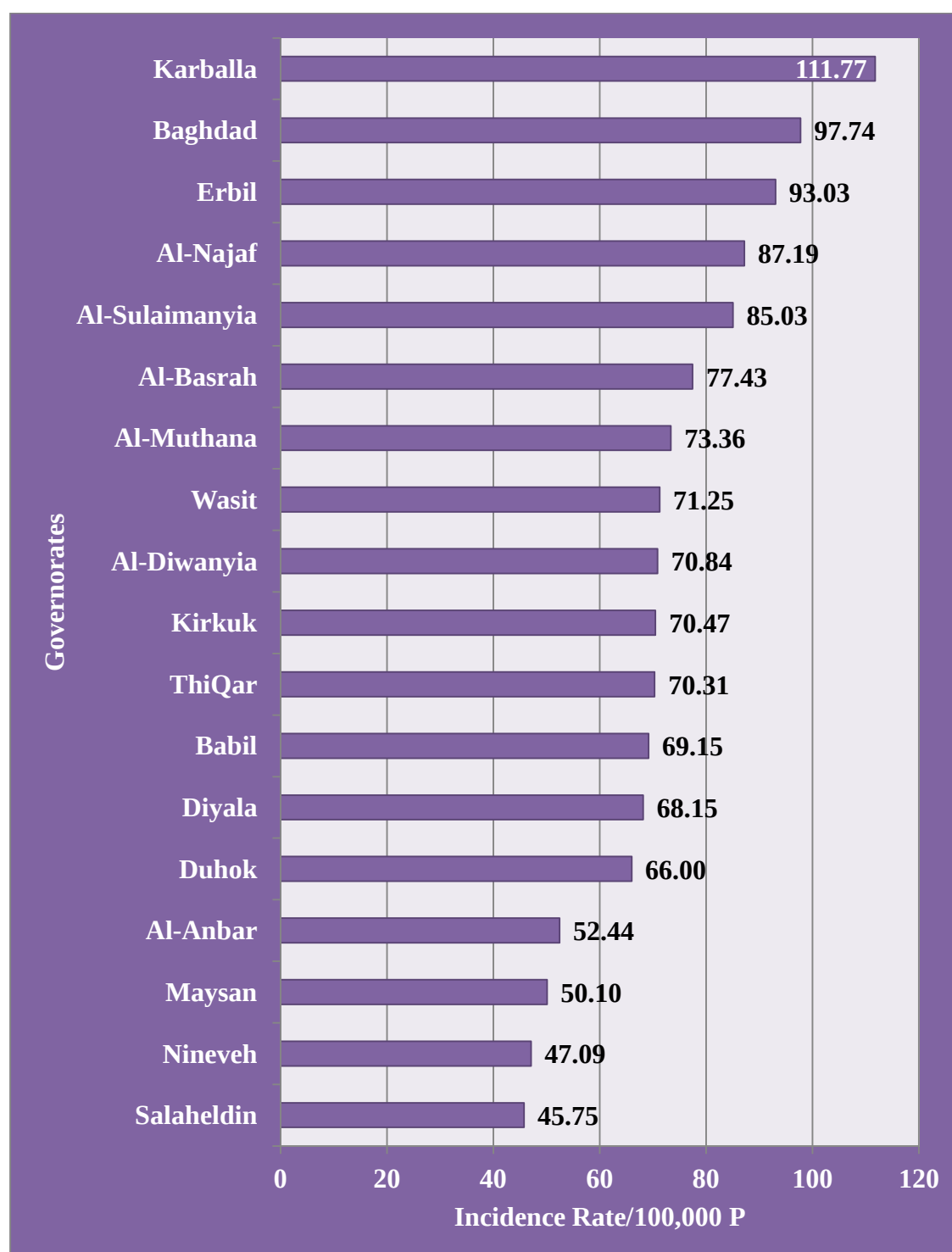


Table No.; (8), Figure No.; (7) shows that the highest percentage of new cases of cancer in male was in Baghdad and the lowest was in Maysan. While the highest incidence rate was in Karballa, and the lowest incidence rate was in Nineveh.

Table No.; (8) Distribution of New Cases of Cancer in Males by Governorates, Iraq, 2017

Governorates	No.	%
Baghdad	3,200	25.60%
Al-Basrah	951	7.61%
Al-Sulaimanyia	838	6.70%
Erbil	798	6.38%
ThiQar	663	5.30%
Nineveh	640	5.12%
Karballa	623	4.98%
Babil	607	4.86%
Al-Najaf	546	4.37%
Diyala	440	3.52%
Kirkuk	436	3.49%
Wasit	434	3.47%
Duhok	417	3.34%
Al-Anbar	388	3.10%
Al-Diwanyia	384	3.07%
Salaheldin	292	2.34%
Al-Muthana	251	2.01%
Maysan	247	1.98%
Unknown	347	2.78%
Total	12,502	100.00%

Figure No.; (7) Incidence Rate of New Cases of Cancer in Males\100,000 Male Populations by Governorates, Iraq, 2017

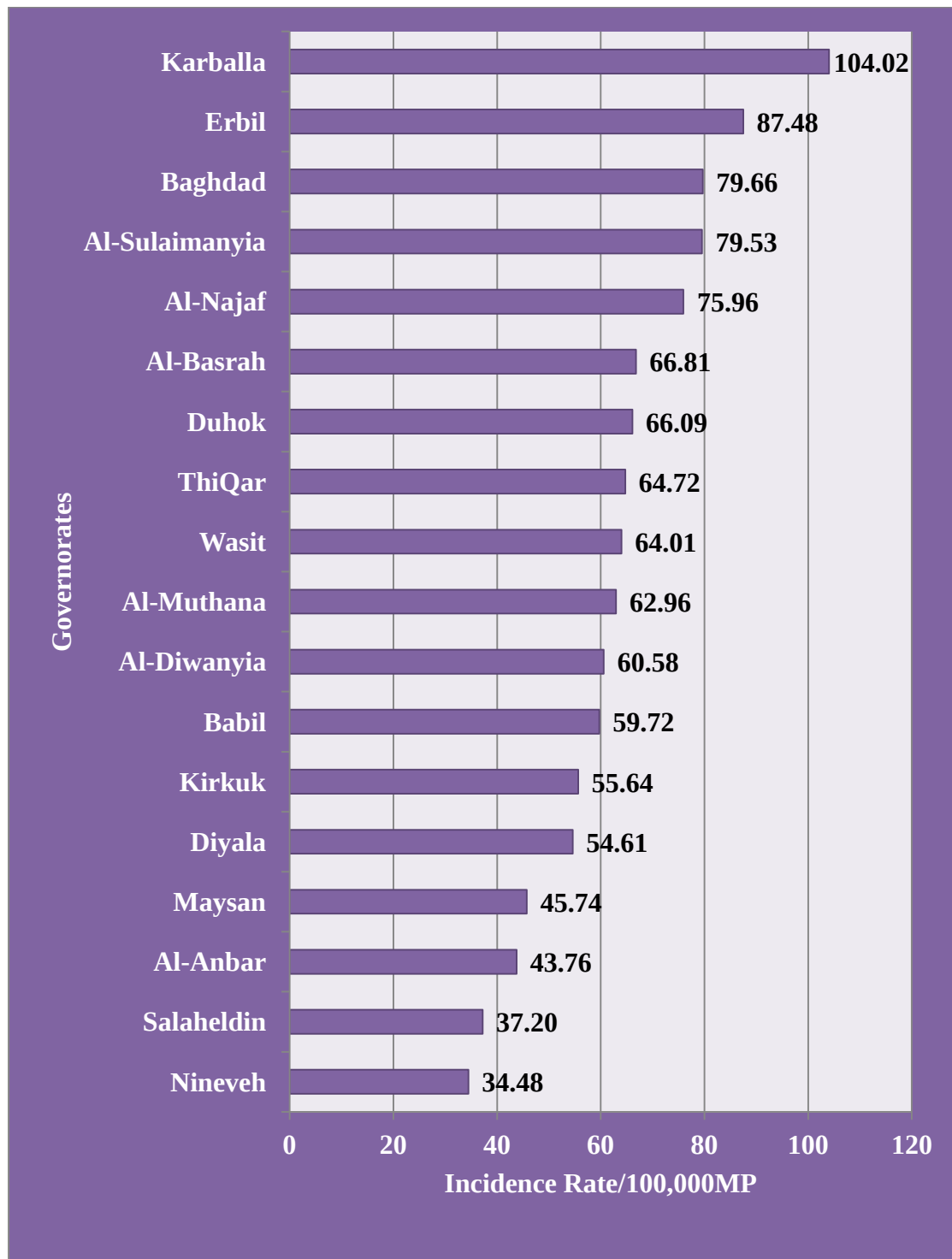
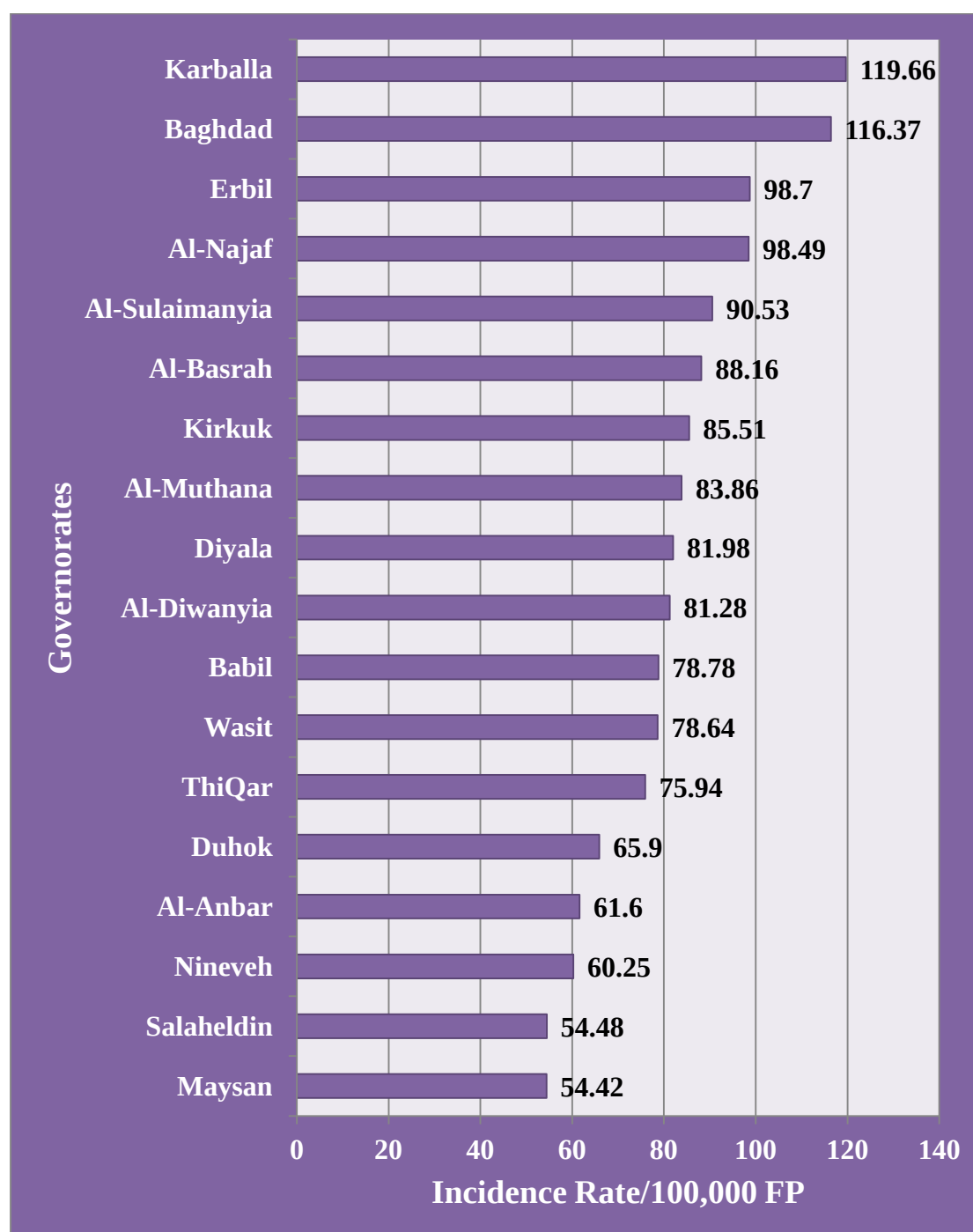


Table No.; (9), Figure No.; (8) shows that the highest percentage of new cases of cancer in female was in Baghdad and the lowest was in Maysan. While the highest incidence rate was in Karballa, and the lowest incidence rate was in Maysan.

Table No.; (9) Distribution of New Cases of Cancer in Females by Governorates, Iraq, 2017

Governorates	No.	%
Baghdad	4,538	27.47%
Al-Basrah	1,243	7.52%
Nineveh	1,071	6.48%
Al-Sulaimanyia	953	5.77%
Erbil	883	5.34%
Babil	784	4.75%
ThiQar	772	4.67%
Al-Najaf	704	4.26%
Karballa	704	4.26%
Kirkuk	661	4.00%
Diyala	647	3.92%
Wasit	523	3.17%
Al-Anbar	517	3.13%
Al-Diwanyia	507	3.07%
Salaheldin	419	2.54%
Duhok	414	2.51%
Al-Muthana	331	2.00%
Maysan	296	1.79%
Unknown	554	3.35%
Total	16,521	100.00%

Table No.; (8) Incidence Rate of New Cases of Cancer in Females\100,000 Female Populations by Governorates, Iraq, 2017



3.2.4. Distribution and incidence rate of new cases of cancer by site, ICD-O and gender, Iraq, 2017:

Table No.; (10) Distribution and Incidence Rate of New Cases of Cancer \100,000 Populations by ICD-O, Site and Gender, Iraq, 2017

ICD-O / Tumor		Female	Male	Total	%	IR
C00 / Lip		17	20	37	0.13	0.10
C01 / Tongue, Base		7	11	18	0.06	0.05
C02 / Tongue, other		41	45	86	0.30	0.23
C03 / Gum		4	4	8	0.03	0.02
C04 / Mouth - Floor		1	3	4	0.01	0.01
C05 / Mouth - Palate		6	9	15	0.05	0.04
C06 / Mouth - other		22	23	45	0.16	0.12
C07 / Parotid Gland		24	39	63	0.22	0.17
C08 / Salivary Gland , other		15	22	37	0.13	0.10
C09 / Tonsil		4	4	8	0.03	0.02
C10 / Oropharynx		4	10	14	0.05	0.04
C11 / Nasopharynx		56	102	158	0.54	0.43
C12 / Pyriform		0	1	1	0.00	0.00
C13 / Hypopharynx		8	6	14	0.05	0.04
C14 / Pharynx		8	13	21	0.07	0.06
C15 / Oesophagus		90	89	179	0.62	0.48
C16 / Stomach		379	477	856	2.95	2.30
C17 / Small Intestine		61	79	140	0.48	0.38
C18 / Colon		527	612	1139	3.92	3.07
C19 / Rectosigmoid Junction		38	43	81	0.28	0.22
C20 / Rectum		224	272	496	1.71	1.34
C21 / Anus & Anal Canal		10	17	27	0.09	0.07
C22 / Liver & Bile Ducts		234	284	518	1.78	1.39
C23 / Gallbladder		95	58	153	0.53	0.41
C24 / Biliary Tract , other		64	53	117	0.40	0.32
C25 / Pancreas		269	384	653	2.25	1.76
C26 / Other Digestive Organs		33	31	64	0.22	0.17
C30 / Nasal Cavity		16	22	38	0.13	0.10
C31 / Accessory Sinus		8	10	18	0.06	0.05
C32 / Larynx		85	343	428	1.47	1.15
C34 / Bronchus & Lung		686	1579	2265	7.80	6.10
C37 / Thymus		11	13	24	0.08	0.06
C38 / Heart, Mediastinum, Pleura		29	34	63	0.22	0.17
C39 / Other Respiratory & Thoracic		4	6	10	0.03	0.03
C40 / Bone & Cartilage, Limbs		81	97	178	0.61	0.48
C41 / Bones & Cartilage, other		101	124	225	0.78	0.61
C42 / Reticuloendothelial & Hematopoietic system	Chronic Myeloproliferative Disorders	65	94	159	0.55	0.43
	Immunoproliferative Diseases	2	0	2	0.01	0.01
	Leukemia	1050	1159	2209	7.61	5.95

ICD-O / Tumor		Female	Male	Total	%	IR
C42 / Reticuloendothelial & Hematopoietic system	Mast Cell Tumor	0	1	1	0.00	0.00
	Myelodys Plastic Syndromes	40	42	82	0.28	0.22
	Plasma Cell Tumor	184	187	371	1.28	1.00
C44 / Skin, other		474	513	987	3.40	2.66
C47 / Nervous, Peripheral & A.N.S.		6	13	19	0.07	0.05
C48 / Retro peritoneum & Peritoneum		31	16	47	0.16	0.13
C49 / Other connective/Soft Tissues		164	201	365	1.26	0.98
C50 / Breast		5851	100	5951	20.50	16.02
C51 / Vulva		21	0	21	0.07	0.11
C52 / Vagina		19	0	19	0.07	0.10
C53 / Cervix Uteri		196	0	196	0.68	1.07
C54 / Corpus Uteri		260	0	260	0.90	1.41
C55 / Uterus Unspecified		411	0	411	1.42	2.24
C56 / Ovary		701	0	701	2.42	3.81
C57 / Female Genital, other		6	0	6	0.02	0.03
C58 / Placenta		141	0	141	0.49	0.77
C60 / Penis		0	1	1	0.00	0.01
C61 / Prostate		0	853	853	2.94	4.55
C62 / Testis		0	172	172	0.59	0.92
C64 / Kidney		259	411	670	2.31	1.80
C65 / Pelvis		2	4	6	0.02	0.02
C66 / Ureter		3	3	6	0.02	0.02
C67 / Urinary Bladder		352	1123	1475	5.08	3.97
C68 / Urinary Organs, other		3	9	12	0.04	0.03
C69 / Eye & Adnexa		37	31	68	0.23	0.18
C70 / Meninges		9	12	21	0.07	0.06
C71 / Brain		568	670	1238	4.27	3.33
C72 / Nervous System, other		11	27	38	0.13	0.10
C73 / Thyroid Gland		799	260	1059	3.65	2.85
C74 / Adrenal gland		42	31	73	0.25	0.20
C75 / Endocrine Gland, other		18	11	29	0.10	0.08
C76 / Unspecified Site		77	61	138	0.48	0.37
C77 / Lymph nodes	Hodgkin Lymphoma	357	410	767	2.64	2.07
	Non-Hodgkin Lymphoma	685	775	1460	5.03	3.93
C80 / Unknown Primary Site		415	373	788	2.72	2.12
Total		16521	12502	29023	100.00	78.14

Note:

* From C51 to C58 the incidence rate calculated from the female populations

* From C60 to C62 the incidence rate calculated from the male populations

3.2.5. Distribution of new cases of cancers by site, age group and gender, Iraq, 2017:

Table No.; (11, 12) shows the number of new cases of cancer in Iraq by site, age group, and gender. It shows that the highest percentage in males was among the age group 60 - <65 years and in females 50 - <55 years.

Table No.; (11) Distribution of New Cases of Cancer in Males by Site and Age Group, Iraq, 2017

ICD-O / Tumor	0 - <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C00 / Lip	0	0	1	0	0	1	0	0	0	1	0	3	4	3	3	2	1	0	1	0	20
C01 / Tongue, Base	0	0	0	0	0	0	0	1	0	1	1	1	6	0	1	0	0	0	0	0	11
C02 / Tongue, other	0	0	0	1	0	1	1	3	1	5	5	7	6	6	5	1	1	1	1	0	45
C03 / Gum	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	4
C04 / Mouth - Floor	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3
C05 / Mouth - Palate	0	0	0	0	1	0	0	1	1	0	2	0	1	0	3	0	0	0	0	0	9
C06 / Mouth - other	0	0	0	0	0	2	0	0	3	2	3	1	1	2	6	1	2	0	0	0	23
C07 / Parotid Gland	0	0	0	0	1	3	1	1	2	5	3	1	7	5	1	6	2	1	0	0	39
C08 / Salivary Gland , other	0	0	0	0	1	1	1	2	2	3	2	2	2	2	1	2	0	1	0	0	22
C09 / Tonsil	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	4
C10 / Oropharynx	0	0	0	0	0	0	0	0	0	0	3	2	3	2	0	0	0	0	0	0	10
C11 / Nasopharynx	1	1	5	7	4	2	1	6	11	6	22	7	10	5	9	3	1	0	1	0	102

ICD-O / Tumor	0 - <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C12 / Pyriform	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
C13 / Hypopharynx	0	0	1	0	0	0	0	0	1	0	0	0	1	0	1	2	0	0	0	0	6
C14 / Pharynx	0	0	0	1	0	0	1	1	1	0	1	0	3	1	3	0	0	1	0	0	13
C15 / Oesophagus	0	0	0	0	0	1	2	1	5	5	10	10	13	9	15	6	5	6	1	0	89
C16 / Stomach	0	0	1	0	6	7	10	21	17	47	54	38	66	74	63	40	21	7	5	0	477
C17 / Small Intestine	1	0	0	0	2	1	2	5	5	11	9	10	7	11	5	7	1	2	0	0	79
C18 / Colon	0	0	1	0	16	15	17	34	54	49	70	62	96	66	58	47	20	4	3	0	612
C19 / Rectosigmoid Junction	0	0	0	0	0	4	1	2	1	2	3	6	10	5	6	2	1	0	0	0	43
C20 / Rectum	0	0	0	0	3	6	10	18	12	38	42	21	47	28	25	15	2	4	1	0	272
C21 / Anus & Anal Canal	0	0	0	0	0	0	2	1	1	3	2	0	4	3	0	0	0	1	0	0	17
C22 / Liver & Bile Ducts	7	1	2	2	2	1	2	3	7	16	23	31	37	55	47	25	12	7	4	0	284
C23 / Gallbladder	0	0	0	0	0	0	1	2	2	7	5	4	10	10	5	8	2	0	1	1	58
C24 / Biliary Tract , other	0	0	0	0	0	1	0	3	2	2	6	4	6	11	8	7	1	1	1	0	53
C25 / Pancreas	0	0	0	0	0	1	1	7	24	22	54	33	79	61	52	26	14	3	5	2	384
C26 / Other Digestive organs	0	0	0	0	0	0	1	2	0	2	7	3	7	4	3	1	1	0	0	0	31
C30 / Nasal Cavity	0	2	0	0	1	1	2	0	0	2	2	5	3	0	1	1	1	0	0	1	22
C31 / Accessory Sinus	0	0	0	1	2	0	0	0	0	1	2	1	2	1	0	0	0	0	0	0	10
C32 / Larynx	0	0	1	0	3	1	1	4	19	22	29	32	75	53	42	33	15	9	2	2	343

ICD-O / Tumor		0 - <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C34 / Bronchus & Lung		0	1	0	1	4	4	9	12	33	86	122	137	270	299	296	158	79	41	16	11	1579
C37 / Thymus		0	0	0	0	1	1	0	0	1	0	0	2	4	1	2	1	0	0	0	0	13
C38 / Heart, Mediastinum, Pleura		1	2	0	1	2	2	1	0	4	1	2	4	3	7	1	2	0	0	1	0	34
C39 / Other Respiratory & Thoracic		0	0	0	0	0	0	0	0	0	1	1	0	1	0	3	0	0	0	0	0	6
C40 / Bone & Cartilage, Limbs		1	8	16	18	10	4	5	6	2	8	4	3	4	5	2	1	0	0	0	0	97
C41 / Bones & Cartilage, other		5	8	13	19	11	6	8	7	5	6	3	3	9	8	3	7	2	0	1	0	124
C42 / Reticuloendothelial & Hematopoietic system	Chronic Myelo-proliferative Disorders	0	0	0	1	2	3	3	4	7	8	13	7	13	15	9	7	1	1	0	0	94
	Leukemia	141	95	66	83	54	52	47	55	59	73	89	51	94	78	58	35	13	7	7	2	1159
	Mast Cell Tumor	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	Myelodys Plastic Syndromes	0	0	3	2	0	2	2	2	1	1	6	1	3	4	7	2	4	1	1	0	42
	Plasma Cell Tumor	1	0	0	3	0	2	0	7	8	11	19	19	43	29	27	8	6	3	0	1	187
C44 / Skin, other		7	2	4	5	4	13	20	24	29	40	61	39	68	63	54	34	31	11	2	2	513
C47 / Nervous, Peripheral & A.N.S.		10	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	13
C48 / Retro peritoneum & Peritoneum		3	0	0	0	0	1	1	1	1	0	2	0	2	2	1	1	1	0	0	0	16
C49 / Other Connective/Soft Tissues		12	6	6	12	11	14	9	9	24	17	14	11	21	9	13	4	6	2	1	0	201

ICD-O / Tumor	0 - <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C50 / Breast	0	0	0	0	1	4	4	7	4	9	9	6	15	12	10	9	5	3	0	2	100
C60 / Penis	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
C61 / Prostate	0	0	0	1	0	0	0	1	7	11	29	45	139	160	166	139	81	56	12	6	853
C62 / Testis	11	3	0	9	22	20	31	31	9	12	5	2	5	5	2	2	2	1	0	0	172
C64 / Kidney	39	13	0	2	1	7	14	15	34	33	47	35	60	36	36	20	10	7	2	0	411
C65 / Pelvis	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	4
C66 / Ureter	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	3
C67 / Urinary Bladder	7	1	1	4	2	7	16	17	41	74	102	90	157	168	206	108	69	30	17	6	1123
C68 / Urinary Organs, other	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	2	0	0	0	0	9
C69 / Eye & Adnexa	21	2	1	0	2	1	0	0	0	0	2	0	1	0	0	1	0	0	0	0	31
C70 / Meninges	0	0	0	0	1	0	1	0	2	0	1	1	1	3	1	0	0	0	0	1	12
C71 / Brain	56	48	40	21	20	25	41	42	52	43	75	37	64	46	27	22	5	3	2	1	670
C72 / Nervous System, other	6	3	3	1	2	3	2	1	3	1	1	0	0	0	0	0	0	1	0	0	27
C73 / Thyroid Gland	1	0	6	6	11	24	32	32	27	16	26	16	27	19	3	10	1	2	0	1	260
C74 / Adrenal Gland	14	6	0	0	0	0	1	1	5	1	0	0	1	0	1	0	0	1	0	0	31
C75 / Endocrine Gland, other	0	0	2	0	3	0	1	0	1	0	0	1	0	1	1	0	0	0	1	0	11
C76 / Unspecified Site	9	2	1	1	0	5	6	3	2	4	6	4	6	6	1	4	1	0	0	0	61

ICD-O / Tumor		0 - <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C77 / Lymph Nodes	Hodgkin Lymphoma	11	37	32	36	37	47	27	29	20	30	34	14	20	10	12	11	2	0	0	1	410
	Non-Hodgkin Lymphoma	42	42	31	40	25	41	28	40	57	60	65	62	84	53	56	28	14	6	1	0	775
C80 / Unknown Primary Site		4	6	2	3	3	9	8	13	22	23	42	35	63	38	46	30	16	6	3	1	373
Total		412	290	239	282	273	346	376	479	634	823	1140	912	1689	1497	1412	881	452	230	94	41	12502
Percentage		3.30	2.32	1.91	2.26	2.18	2.77	3.01	3.83	5.07	6.58	9.12	7.29	13.51	11.97	11.29	7.05	3.62	1.84	0.75	0.33	100.00

Table No.; (12) Distribution of New Cases of Cancer in Females by Site and Age Group, Iraq, 2017

ICD-O / Tumor	0 - <5	5 - <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C00 / Lip	0	0	1	0	0	0	0	1	0	2	1	2	2	3	1	1	2	0	1	0	17
C01 / Tongue, Base	0	0	0	0	0	0	1	0	0	0	0	0	5	1	0	0	0	0	0	0	7
C02 / Tongue, other	0	0	1	0	0	0	1	2	2	5	7	5	5	4	5	3	0	0	1	0	41
C03 / Gum	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0	0	0	4
C04 / Mouth - Floor	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
C05 / Mouth - Palate	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	3	0	0	0	0	6
C06 / Mouth - other	0	0	0	0	0	1	0	1	0	1	2	1	1	4	5	2	3	0	1	0	22
C07 / Parotid Gland	2	0	2	0	1	0	2	1	4	0	2	4	2	2	2	0	0	0	0	0	24
C08 / Salivary Gland , other	0	0	0	0	1	0	0	0	1	1	2	3	3	1	2	1	0	0	0	0	15
C09 / Tonsil	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	4
C10 / Oropharynx	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0	4
C11 / Nasopharynx	0	2	1	4	3	1	1	3	5	8	5	3	8	2	4	3	1	2	0	0	56
C13 / Hypopharynx	0	0	0	0	1	0	0	1	0	0	1	2	3	0	0	0	0	0	0	0	8
C14 / Pharynx	1	0	0	0	0	0	0	0	1	0	3	1	0	0	1	1	0	0	0	0	8
C15 / Oesophagus	0	0	0	0	0	1	1	2	8	5	13	8	14	12	11	8	3	1	1	2	90

ICD-O / Tumor	0 - <5	5 - <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C16 / Stomach	0	0	1	5	7	3	11	23	37	54	45	25	47	37	32	26	13	9	2	2	379
C17 / Small Intestine	0	0	0	0	3	1	0	5	2	7	8	7	5	8	5	4	3	2	0	1	61
C18 / Colon	0	0	0	0	12	16	15	25	46	50	60	60	67	62	60	26	17	6	3	2	527
C19 / Rectosigmoid Junction	0	0	0	0	0	0	3	2	3	3	4	6	6	5	4	1	1	0	0	0	38
C20 / Rectum	0	0	0	0	5	7	6	12	8	24	31	20	38	20	25	15	7	4	1	1	224
C21 / Anus & Anal Canal	0	0	0	0	0	1	1	0	1	1	2	2	1	1	0	0	0	0	0	0	10
C22 / Liver & Bile Ducts	6	1	0	1	1	1	4	8	10	9	22	26	41	20	23	27	18	9	5	2	234
C23 / Gallbladder	0	0	0	0	1	1	1	3	2	5	10	9	14	19	16	5	5	2	2	0	95
C24 / Biliary Tract , other	0	0	0	0	0	0	2	2	0	2	9	7	7	15	11	4	2	1	2	0	64
C25 / Pancreas	0	0	0	0	2	2	4	4	11	12	37	27	56	37	42	14	13	5	3	0	269
C26 / Other Digestive Organs	1	0	0	1	0	1	3	2	3	2	3	3	5	3	3	3	0	0	0	0	33
C30 / Nasal Cavity	1	0	0	1	0	1	0	1	0	1	1	1	2	3	0	1	2	0	1	0	16
C31 / Accessory Sinus	0	0	1	0	0	1	0	0	3	0	1	0	1	1	0	0	0	0	0	0	8
C32 / Larynx	0	0	0	0	0	1	0	4	4	11	10	3	17	10	6	6	5	7	1	0	85
C34 / Bronchus & Lung	0	0	0	1	7	6	9	10	13	26	62	56	138	113	97	60	48	25	12	3	686
C37 / Thymus	0	0	0	0	1	0	2	1	0	0	2	1	1	2	0	0	0	0	1	0	11

ICD-O / Tumor		0 - <5	5 - <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C38 / Heart, Mediastinum, Pleura		2	0	0	0	0	0	0	1	3	2	3	3	4	2	5	2	0	1	1	0	29
C39 / Other Respiratory & Thoracic		0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4
C40 / Bone & Cartilage, Limbs		5	7	12	13	7	6	2	2	2	8	4	2	6	3	0	1	1	0	0	0	81
C41 / Bones & Cartilage, other		3	8	13	14	12	4	5	2	9	1	5	4	6	7	3	4	0	0	1	0	101
C42 / Reticuloendothelial & Hematopoietic system	Chronic Myelo-proliferative Disorders	0	0	0	1	3	2	7	3	5	9	4	2	8	8	8	1	3	1	0	0	65
	Immuno Proliferative Diseases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2
	Leukemia	129	72	55	51	35	48	40	60	52	81	78	67	72	66	63	39	21	8	8	5	1050
	Myelodys Plastic Syndromes	0	0	0	4	0	0	3	2	2	1	3	6	3	8	7	1	0	0	0	0	40
	Plasma Cell Tumor	2	2	0	1	1	0	1	5	11	18	24	20	39	19	24	8	3	3	2	1	184
C44 / Skin, other		5	5	2	3	6	11	15	16	24	40	50	24	51	58	80	35	26	9	9	5	474
C47 / Nervous, Peripheral & A.N.S.		1	0	0	0	1	0	2	0	1	0	0	0	0	0	0	1	0	0	0	0	6
C48 / Retro peritoneum & Peritoneum		1	0	0	0	0	0	0	1	4	3	6	2	2	2	2	4	3	1	0	0	31
C49 / Other Connective/Soft Tissues		5	3	8	10	10	8	12	11	13	20	16	9	12	7	12	3	2	3	0	0	164
C50 / Breast		0	0	0	0	37	126	254	530	739	997	976	630	642	418	258	140	58	21	11	14	5851

ICD-O / Tumor	0 - <5	5 - <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C51 / Vulva	1	0	0	0	0	0	0	0	1	2	3	0	5	3	1	2	2	1	0	0	21
C52 / Vagina	1	0	1	0	1	0	1	0	1	0	3	1	3	3	3	1	0	0	0	0	19
C53 / Cervix Uteri	0	0	0	1	3	4	6	17	17	32	31	21	24	17	12	7	1	1	0	2	196
C54 / Corpus Uteri	0	0	0	0	1	5	8	9	23	26	33	44	40	30	21	13	3	3	0	1	260
C55 / Uterus Unspecified	0	0	0	0	3	3	11	20	29	46	78	54	67	51	29	11	4	2	3	0	411
C56 / Ovary	7	2	12	20	26	29	33	53	63	95	92	68	86	50	34	19	9	3	0	0	701
C57 / Female Genital, other	0	0	0	1	0	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	6
C58 / Placenta	0	0	1	24	28	32	22	17	10	4	2	0	0	0	1	0	0	0	0	0	141
C64 / Kidney	36	11	4	3	2	4	8	13	20	22	21	21	29	29	15	11	4	2	2	2	259
C65 / Pelvis	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
C66 / Ureter	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	3
C67 / Urinary Bladder	0	0	1	2	6	3	6	2	3	15	19	19	51	75	59	39	28	12	12	0	352
C68 / Urinary Organs, other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3
C69 / Eye & Adnexa	23	2	0	0	0	0	1	1	1	0	0	3	2	2	0	1	0	0	0	1	37
C70 / Meninges	0	0	0	0	0	0	0	1	1	1	2	1	1	1	0	1	0	0	0	0	9
C71 / Brain	32	47	35	23	23	23	29	34	43	47	48	39	48	37	24	19	7	6	3	1	568

ICD-O / Tumor		0 - <5	5 - <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
C72 / Nervous System, other		1	1	1	1	0	1	1	0	1	0	2	0	1	0	1	0	0	0	0	0	11
C73 / Thyroid Gland		0	1	3	25	49	109	93	126	111	73	71	43	31	30	14	6	6	7	1	0	799
C74 / Adrenal Gland		14	5	0	2	0	1	2	4	3	1	2	0	2	3	0	1	1	1	0	0	42
C75 / Endocrine Gland, other		0	1	2	0	3	3	2	3	0	0	2	1	0	0	1	0	0	0	0	0	18
C76 / Unspecified Site		7	4	4	1	3	8	5	7	2	7	8	6	5	1	3	1	3	0	2	0	77
C77 / Lymph Nodes	Hodgkin Lymphoma	5	17	20	33	53	50	36	17	24	17	18	17	19	12	9	5	1	1	2	1	357
	Non-Hodgkin Lymphoma	25	13	9	24	40	35	34	45	46	69	76	52	85	47	42	31	6	3	3	0	685
C80 / Unknown Primary Site		3	1	5	8	6	5	15	22	17	36	58	47	60	44	50	18	10	4	3	3	415
Total		319	205	195	278	404	566	721	1137	1450	1905	2084	1492	1899	1422	1142	642	345	166	100	49	16521
Percentage		1.93	1.24	1.18	1.68	2.45	3.43	4.36	6.88	8.78	11.53	12.61	9.03	11.49	8.61	6.91	3.89	2.09	1.00	0.61	0.30	100.00

3.2.6. Distribution of new cases of cancer by site, governorates and gender, Iraq, 2017:

Table No.; (13, 14) shows the number of new cases of cancer in Iraq by site, governorates and gender.

Table No.; (13) Distribution of New Cases of Cancer in Male Site and by Governorates, Iraq, 2017

ICD-O / Tumor	Al-Anbar	Al-Basrah	Al-Diwanyia	Al-Muthana	Al-Najaf	Al-Sulaimanyia	Babil	Baghdad	Diyala	Duhok	Erbil	Karballa	Kirkuk	Maysan	Nineveh	Salaheldin	Thiqar	Wasit	Un.	Total
C00 / Lip	0	1	0	2	0	5	0	2	0	0	5	2	0	1	0	0	0	0	2	20
C01 / Tongue, Base	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	2	0	0	11
C02 / Tongue, Other	2	6	0	0	3	2	2	5	2	1	1	3	5	2	2	2	2	0	5	45
C03 / Gum	0	0	0	0	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0	4
C04 / Mouth - Floor	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	3
C05 / Mouth - Palate	0	1	0	0	2	0	0	2	0	0	1	0	0	0	0	0	1	1	1	9
C06 / Mouth - other	0	1	2	1	2	0	0	6	0	1	3	1	0	0	1	0	3	0	2	23
C07 / Parotid Gland	1	3	0	0	2	2	1	14	3	0	4	4	1	0	2	2	0	0	0	39
C08 / Salivary Gland , other	1	0	0	0	2	1	1	4	0	0	2	2	2	0	5	0	0	0	2	22
C09 / Tonsil	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	1	0	0	4
C10 / Oropharynx	0	2	0	0	0	3	0	3	1	0	0	0	0	0	0	1	0	0	0	10
C11 / Nasopharynx	1	4	4	2	9	2	8	23	2	3	2	9	2	3	10	4	8	6	0	102
C12 / Pyriform	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
C13 / Hypopharynx	0	0	0	0	0	1	1	2	0	0	0	0	0	0	2	0	0	0	0	6
C14 / Pharynx	1	2	0	0	0	0	1	6	0	1	0	1	0	0	0	0	0	1	0	13
C15 / Oesophagus	3	7	2	1	3	14	4	14	0	7	11	2	8	0	3	1	3	5	1	89
C16 / Stomach	26	33	11	3	20	34	17	134	24	12	40	17	14	8	33	9	18	19	5	477
C17 / Small Intestine	14	7	2	2	0	4	2	18	2	0	5	6	1	2	2	2	4	4	2	79
C18 / Colon	20	42	17	13	19	45	25	161	23	23	45	36	16	13	44	9	31	18	12	612
C19 / Rectosigmoid Junction	0	0	0	2	2	0	0	13	4	1	9	2	2	0	2	0	0	2	4	43
C20 / Rectum	5	29	7	3	16	15	8	71	10	9	31	8	7	5	15	4	9	8	12	272
C21 / Anus & Anal Canal	0	0	0	1	3	0	0	9	1	0	1	0	0	1	0	1	0	0	0	17
C22 / Liver & Bile Ducts	8	19	10	0	11	6	23	88	12	15	8	17	12	4	9	4	14	17	7	284
C23 / Gallbladder	9	5	0	0	2	8	4	8	0	2	4	7	1	0	4	0	2	2	0	58
C24 / Biliary Tract , other	3	8	5	1	3	3	3	9	2	3	6	1	1	1	0	1	2	0	1	53

ICD-O / Tumor		Al-Anbar	Al-Basrah	Al-Diwanyia	Al-Muthana	Al-Najaf	Al-Sulaimanyia	Babil	Baghdad	Diyala	Duhok	Erbil	Karballa	Kirkuk	Maysan	Nineveh	Salaheldin	Thiqrar	Wasit	Un.	Total
C25 / Pancreas		8	33	5	10	23	32	33	109	14	7	9	26	12	4	13	5	29	10	2	384
C26 / Other Digestive Organs		1	0	1	0	5	0	2	14	1	2	0	0	0	1	0	0	1	1	2	31
C30 / Nasal Cavity		0	1	0	0	0	0	4	5	0	5	1	0	1	0	2	0	1	2	0	22
C31 / Accessory Sinus		0	1	0	0	0	0	2	1	1	0	1	0	1	0	2	0	1	0	0	10
C32 / Larynx		10	24	21	2	13	22	24	66	10	11	25	10	13	10	24	6	25	18	9	343
C34 / Bronchus & Lung		26	112	57	53	94	119	114	333	66	55	106	101	44	20	77	21	112	50	19	1579
C37 / Thymus		1	2	2	0	1	0	1	2	1	0	0	2	0	0	0	0	0	1	0	13
C38 / Heart, Mediastinum, Pleura		1	2	2	0	0	0	1	11	0	4	1	0	0	2	5	1	2	0	2	34
C39 / Other Respiratory & Thoracic		0	0	0	0	0	0	0	3	2	0	1	0	0	0	0	0	0	0	0	6
C40 / Bone & Cartilage, Limbs		1	6	5	3	2	7	5	26	4	0	6	11	1	0	0	6	9	2	3	97
C41 / Bones & Cartilage, other		3	9	5	1	6	9	8	26	5	5	4	5	3	5	12	3	5	6	4	124
C42 / Reticuloendothelial & Hematopoietic system	Chronic Myelo-Proliferative Disorders	3	12	0	0	0	25	2	25	2	0	5	0	3	1	2	1	7	5	1	94
	Leukemia	61	86	37	21	45	47	53	375	42	32	54	51	35	26	66	35	51	30	12	1159
	Mast Cell Tumor	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Myelodys Plastic Syndromes	2	9	1	0	0	6	0	13	1	0	1	0	0	2	0	2	4	1	0	42
	Plasma Cell Tumor	10	21	2	3	6	32	4	43	6	5	16	3	7	5	9	4	5	3	3	187
C44 / Skin, other		7	31	13	8	14	19	11	108	25	43	65	19	30	5	14	20	10	18	53	513
C47 / Nervous, Peripheral & A.N.S.		1	0	1	1	0	0	0	6	0	1	0	0	0	2	0	0	1	0	0	13
C48 / Retro peritoneum & Peritoneum		1	2	1	0	0	0	0	3	1	0	2	0	0	1	0	0	4	0	1	16
C49 / Other Connective/Soft Tissues		2	17	8	3	11	8	12	58	2	3	12	9	4	5	13	8	8	7	11	201
C50 / Breast		4	10	0	0	1	5	2	27	7	1	10	1	8	1	9	3	5	4	2	100
C60 / Penis		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
C61 / Prostate		28	64	24	9	42	85	41	215	23	16	68	42	42	19	54	15	28	20	18	853
C62 / Testis		6	16	2	2	4	5	7	48	3	8	17	8	8	3	8	8	3	6	10	172

ICD-O / Tumor		Al-Anbar	Al-Basrah	Al-Diwanyia	Al-Muthana	Al-Najaf	Al-Sulaimanyia	Babil	Baghdad	Diyala	Duhok	Erbil	Karballa	Kirkuk	Maysan	Nineveh	Salaheldin	Thiqar	Wasit	Un.	Total
C64 / Kidney		5	43	10	10	31	34	17	88	12	14	21	20	22	6	18	13	18	12	17	411
C65 / Pelvis		0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
C66 / Ureter		0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
C67 / Urinary Bladder		23	87	46	39	48	68	63	236	35	38	73	81	45	33	34	26	59	49	40	1123
C68 / Urinary Organs, other		0	1	0	0	1	1	0	3	0	0	0	0	0	0	0	0	3	0	0	9
C69 / Eye & Adnexa		2	3	0	0	3	3	0	7	0	1	5	1	0	1	0	1	1	2	1	31
C70 / Meninges		0	0	1	1	0	0	0	4	0	2	2	1	0	0	0	0	1	0	0	12
C71 / Brain		16	55	17	24	30	54	30	183	25	20	19	33	22	20	29	11	44	27	11	670
C72 / Nervous System, other		0	1	3	1	2	0	6	6	1	0	1	1	1	0	1	0	1	2	0	27
C73 / Thyroid Gland		7	16	15	4	9	14	8	65	12	1	12	18	6	5	8	11	17	12	20	260
C74 / Adrenal Gland		1	7	1	0	3	0	2	3	2	0	1	1	0	0	7	0	2	1	0	31
C75 / Endocrine Gland, other		0	0	1	0	2	0	1	2	0	0	1	1	0	1	0	0	1	1	0	11
C76 / Unspecified Site		0	1	2	4	1	5	5	27	1	0	2	0	1	0	0	2	5	3	2	61
C77 / Lymph Nodes	Hodgkin Lymphoma	18	28	8	5	9	36	17	104	11	21	20	17	13	9	26	10	40	11	7	410
	Non-Hodgkin Lymphoma	34	49	30	12	32	23	30	236	18	34	39	36	29	14	51	23	32	33	20	775
C80 / Unknown Primary Site		12	30	3	4	8	33	2	114	21	9	16	5	11	6	22	16	26	14	21	373
Total		388	951	384	251	546	838	607	3200	440	417	798	623	436	247	640	292	663	434	347	12502
Percentage		3.10	7.61	3.07	2.01	4.37	6.70	4.86	25.60	3.52	3.34	6.38	4.98	3.49	1.98	5.12	2.34	5.30	3.47	2.78	100.00

Table No.; (14) Distribution of New Cases of Cancer in Female by Site and Governorates, Iraq, 2017

ICD-O / Tumor	Al-Anbar	Al-Basrah	Al-Diwanyia	Al-Muthana	Al-Najaf	Al-Sulaimanyia	Babil	Baghdad	Diyala	Duhok	Erbil	Karballa	Kirkuk	Maysan	Nineveh	Salaheldin	Thiqr	Wasit	Un.	Total
C00 / Lip	2	1	0	0	1	3	0	1	0	1	3	0	1	1	1	1	1	0	0	17
C01 / Tongue, Base	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	1	1	0	7
C02 / Tongue, other	2	1	1	1	4	1	3	12	2	0	0	1	4	1	5	1	1	0	1	41
C03 / Gum	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	0	4
C04 / Mouth - Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
C05 / Mouth - Palate	0	1	0	0	0	0	0	2	0	0	0	0	0	1	1	0	0	0	1	6
C06 / Mouth - Other	0	0	2	1	2	0	1	4	0	0	2	2	1	0	2	1	3	1	0	22
C07 / Parotid Gland	0	4	1	0	3	4	0	4	1	0	0	0	2	1	0	0	2	1	1	24
C08 / Salivary Gland , other	0	0	2	2	1	0	1	4	0	0	2	1	0	0	1	0	0	1	0	15
C09 / Tonsil	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	4
C10 / Oropharynx	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	4
C11 / Nasopharynx	5	0	3	1	1	3	1	15	1	0	1	7	1	3	5	2	1	1	5	56
C13 / Hypopharynx	0	0	0	0	0	0	1	1	0	0	0	1	0	1	2	0	2	0	0	8
C14 / Pharynx	0	1	1	0	0	0	0	1	0	0	0	3	0	0	0	1	1	0	0	8
C15 / Oesophagus	1	4	1	3	4	18	1	21	1	1	14	0	3	0	5	3	4	4	2	90
C16 / Stomach	23	30	12	4	8	30	23	88	27	14	23	15	15	10	18	8	17	7	7	379
C17 / Small Intestine	5	1	0	0	2	6	2	13	6	0	4	3	2	0	1	1	7	6	2	61
C18 / Colon	19	28	11	11	16	45	37	148	26	17	29	23	30	7	30	9	18	12	11	527
C19 / Rectosigmoid Junction	1	1	0	1	2	0	2	15	1	1	1	0	3	0	0	1	2	3	4	38
C20 / Rectum	7	21	5	2	7	22	7	46	10	7	26	4	16	3	12	8	8	6	7	224
C21 / Anus & Anal Canal	2	0	1	1	1	1	0	2	0	0	0	0	0	0	0	0	2	0	0	10
C22 / Liver & Bile Ducts	5	9	8	9	12	6	15	72	14	4	5	11	13	1	9	2	21	16	2	234
C23 / Gallbladder	2	9	1	0	2	11	10	18	1	1	6	9	3	1	5	5	6	5	0	95
C24 / Biliary Tract , other	2	6	7	0	2	6	2	17	6	2	5	2	0	1	0	1	2	3	0	64
C25 / Pancreas	4	34	6	6	17	21	32	53	8	4	7	13	12	5	13	3	18	10	3	269
C26 / Other Digestive Organs	0	0	0	1	1	2	0	11	1	8	1	0	1	0	3	1	1	2	0	33
C30 / Nasal Cavity	0	1	0	0	0	0	0	4	0	6	0	3	0	0	0	0	1	0	1	16
C31 / Accessory Sinus	0	3	0	0	0	0	0	2	1	0	0	0	0	1	0	0	1	0	0	8
C32 / Larynx	2	4	5	4	5	2	7	16	8	0	8	3	4	0	2	7	5	3	0	85

ICD-O / Tumor		Al-Anbar	Al-Basrah	Al-Diwanyia	Al-Muthana	Al-Najaf	Al-Sulaimanyia	Babil	Baghdad	Diyala	Duhok	Erbil	Karbala	Kirkuk	Maysan	Nineveh	Salaheldin	Thiqr	Wasit	Un.	Total
C34 / Bronchus & Lung		8	49	36	25	45	35	73	131	26	6	44	49	16	9	22	15	65	26	6	686
C37 / Thymus		0	0	0	0	3	0	1	3	1	0	1	0	0	0	0	0	1	1	0	11
C38 / Heart, Mediastinum, Pleura		0	0	3	0	3	0	2	8	2	2	0	0	2	1	1	1	1	3	0	29
C39 / Other Respiratory & Thoracic		0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	4
C40 / Bone & Cartilage, Limbs		1	4	3	2	6	6	3	25	1	1	4	7	2	2	3	0	5	1	5	81
C41 / Bones & Cartilage, other		1	6	3	2	5	9	1	25	5	5	6	2	4	3	11	1	4	2	6	101
C42 / Reticuloendothelial & Hematopoietic system	Chronic Myelo proliferative Disorders	2	6	1	0	0	19	1	17	6	1	1	0	5	1	0	2	2	1	0	65
	Immunoproliferative Diseases	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
	Leukemia	44	78	34	19	33	40	43	355	49	30	43	38	39	26	64	26	39	12	38	1050
	Myelodys Plastic Syndromes	2	4	1	0	0	9	0	15	1	0	4	0	0	0	1	1	1	1	0	40
	Plasma Cell Tumor	8	8	3	1	8	25	7	54	3	10	7	6	11	1	12	8	7	1	4	184
C44 / Skin, Other		6	22	14	8	24	19	11	78	18	47	86	14	24	6	16	17	9	12	43	474
C47 / Nervous, Peripheral & A.N.S.		0	0	0	0	0	0	2	0	0	1	0	1	1	1	0	0	0	0	0	6
C48 / Retro peritoneum & Peritoneum		0	3	8	0	3	0	0	6	1	0	0	2	4	0	0	1	3	0	0	31
C49 / Other Connective/Soft Tissues		3	13	8	6	6	3	9	43	4	5	4	8	6	5	14	11	6	4	6	164
C50 / Breast		200	477	121	88	234	305	248	1717	218	135	288	220	253	103	529	147	200	166	202	5851
C51 / Vulva		1	1	1	1	2	0	2	4	1	0	1	2	0	0	0	1	1	1	2	21
C52 / Vagina		0	1	0	1	0	0	2	6	0	0	1	1	0	1	2	1	1	0	2	19
C53 / Cervix Uteri		4	28	6	1	14	8	8	59	6	4	9	10	3	3	11	3	11	1	7	196
C54 / Corpus Uteri		1	8	5	2	14	2	7	114	10	5	29	6	11	1	4	8	6	7	20	260
C55 / Uterus Unspecified		9	34	32	7	10	25	20	90	18	10	0	30	27	7	26	12	21	14	19	411
C56 / Ovary		21	61	22	17	42	44	44	176	20	10	33	33	24	12	50	12	31	25	24	701
C57 / Female Genital, Other		1	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	6
C58 / Placenta		4	11	0	1	2	10	2	70	8	0	8	5	4	1	4	4	4	3	0	141
C64 / Kidney		9	20	12	10	15	13	10	56	4	6	20	14	10	5	17	6	12	8	12	259
C65 / Pelvis		1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2

ICD-O / Tumor		Al-Anbar	Al-Basrah	Al-Diwanyia	Al-Muthana	Al-Najaf	Al-Sulaimanyia	Babil	Baghdad	Diyala	Duhok	Erbil	Karbala	Kirkuk	Maysan	Nineveh	Salaheldin	Thiqar	Wasit	Un.	Total
C66 / Ureter		0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	3
C67 / Urinary Bladder		2	28	13	15	18	17	28	84	2	4	14	26	12	11	5	5	36	20	12	352
C68 / Urinary Organs, other		0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	3
C69 / Eye & Adnexa		3	1	2	1	1	0	2	9	0	2	2	3	2	0	1	3	1	1	3	37
C70 / Meninges		0	0	0	0	1	1	0	4	0	0	2	0	0	0	0	0	1	0	0	9
C71 / Brain		17	51	16	31	20	31	37	144	21	17	18	22	18	14	21	13	34	30	13	568
C72 / Nervous System, other		0	4	1	1	0	1	1	0	0	0	0	0	0	0	0	0	3	0	0	11
C73 / Thyroid Gland		26	34	34	20	49	25	33	235	28	13	32	52	28	12	38	20	55	29	36	799
C74 / Adrenal Gland		0	6	1	1	3	0	1	7	1	0	3	3	0	2	4	0	8	1	1	42
C75 / Endocrine Gland, other		1	2	0	1	1	3	0	4	2	0	0	1	0	0	0	0	0	1	2	18
C76 / Unspecified Site		1	5	3	0	1	10	4	32	4	0	3	4	1	2	1	1	0	2	3	77
C77/ Lymph Nodes	Hodgkin Lymphoma	19	29	11	6	18	35	9	70	17	7	24	18	14	4	27	7	20	12	10	357
	Non-Hodgkin Lymphoma	31	55	44	11	27	26	22	199	29	18	23	21	19	14	48	28	28	23	19	685
C80 / Unknown Primary Site		9	33	2	4	5	50	5	115	26	9	32	5	8	11	23	6	28	12	32	415
Total		517	1243	507	331	704	953	784	4538	647	414	883	704	661	296	1071	419	772	523	554	16521
Percentage		3.13	7.52	3.07	2.00	4.26	5.77	4.75	27.47	3.92	2.51	5.34	4.26	4.00	1.79	6.48	2.54	4.67	3.17	3.35	100.00

Top Ten Cancers in Iraq 2017

Iraq
Populations Number : 37,139,519
Cancer Cases Number :29.023
Incidence Rate: 78.14/100,000 Iraq Populations



3.3. Top ten cancers in Iraq, 2017:

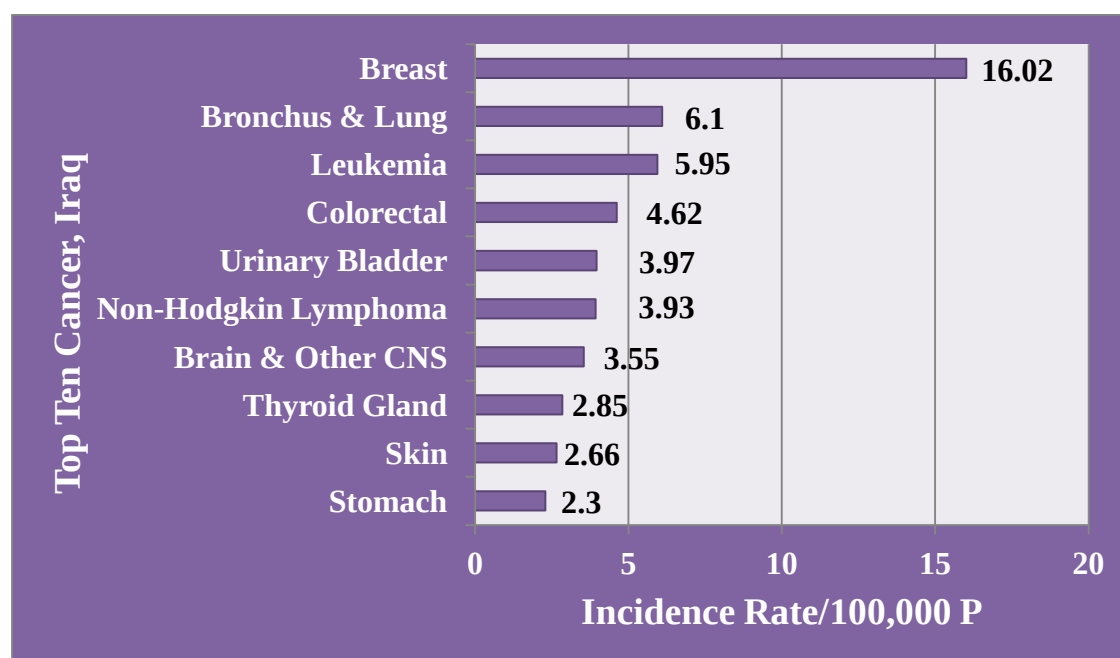
3.3.1. Distribution and the incidence rate of top ten cancers, Iraq, 2017:

Table No.; (15), Figure No.; (9) shows that the highest percentage and incidence rate of top ten cancer in Iraq was breast cancer and the lowest was stomach cancer.

Table No.; (15) Distribution of Top Ten Cancer, Iraq, 2017

Top Ten	No.	%
Breast	5,951	20.50
Bronchus & Lung	2,265	7.80
Leukemia	2,209	7.61
Colorectal	1,716	5.91
Urinary Bladder	1,475	5.08
Non-Hodgkin Lymphoma	1,460	5.03
Brain & other CNS Tumor	1,317	4.54
Thyroid Gland	1,059	3.65
Skin	987	3.40
Stomach	856	2.95
Other Site	9,728	33.52
Total	29,023	100.00%

Figure No.; (9) Incidence Rate of Top Ten Cancer \100,000 Populations, Iraq, 2017



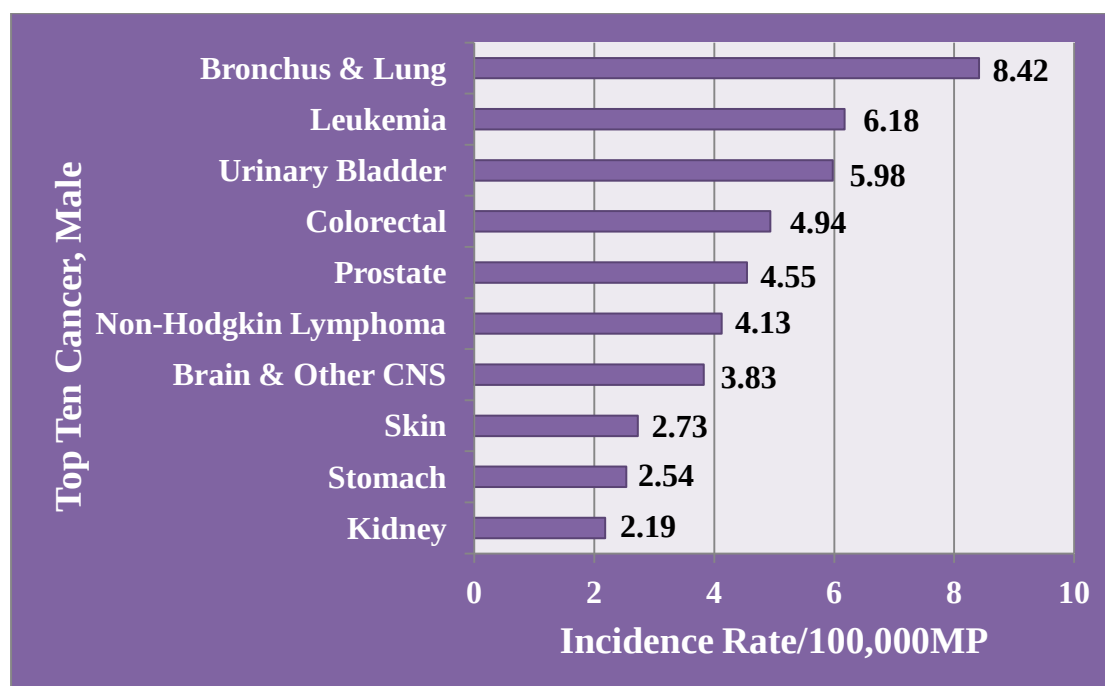
3.3.2. Distribution and the incidence rate of top ten cancers in males, Iraq, 2017:

Table No.; (16), Figure No.; (10) shows that the highest percentage and incidence rate of top ten cancer in males was bronchus & lung cancer and the lowest was Kidney cancer.

Table No.; (16) Distribution of Top Ten Cancer in Males, Iraq, 2017

Site	No.	%
Bronchus & Lung	1,579	12.63
Leukemia	1,159	9.27
Urinary Bladder	1,123	8.98
Colorectal	927	7.41
Prostate	853	6.82
Non-Hodgkin Lymphoma	775	6.20
Brain & other CNS Tumor	718	5.74
Skin	513	4.10
Stomach	477	3.82
Kidney	411	3.29
Other Site	3,967	31.73
Total	12,502	100.00%

Figure No.; (10) Incidence Rate of Top Ten Cancer in Males \100,000 Male Populations, Iraq, 2017



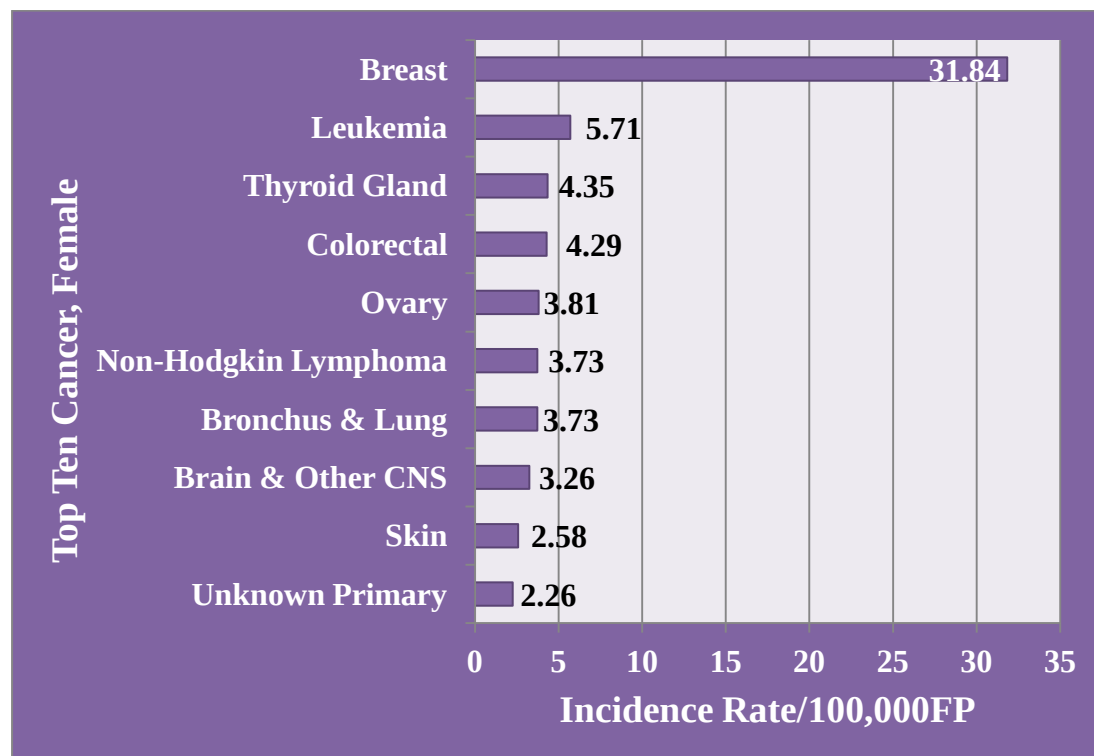
3.3.3. Distribution and the incidence rate of top ten cancers in females, Iraq, 2017:

Table No.; (17), Figure No.; (11) shows that the highest percentage and incidence rate of top ten cancer in females was breast cancer and the lowest was unknown primary site cancer.

Table No.; (17) Distribution of Top Ten Cancer in Females, Iraq, 2017

Site	No.	%
Breast	5,851	35.42
Leukemia	1,050	6.36
Thyroid Gland	799	4.84
Colorectal	789	4.78
Ovary	701	4.24
Bronchus & Lung	686	4.15
Non-Hodgkin Lymphoma	685	4.15
Brain & other CNS Tumor	599	3.63
Skin	474	2.87
Unknown Primary Site	415	2.51
Other Site	4,472	27.07
Total	16,521	100.00%

Figure No.; (11) Incidence Rate of Top Ten Cancer in Females \100,000 Female Populations, Iraq, 2017



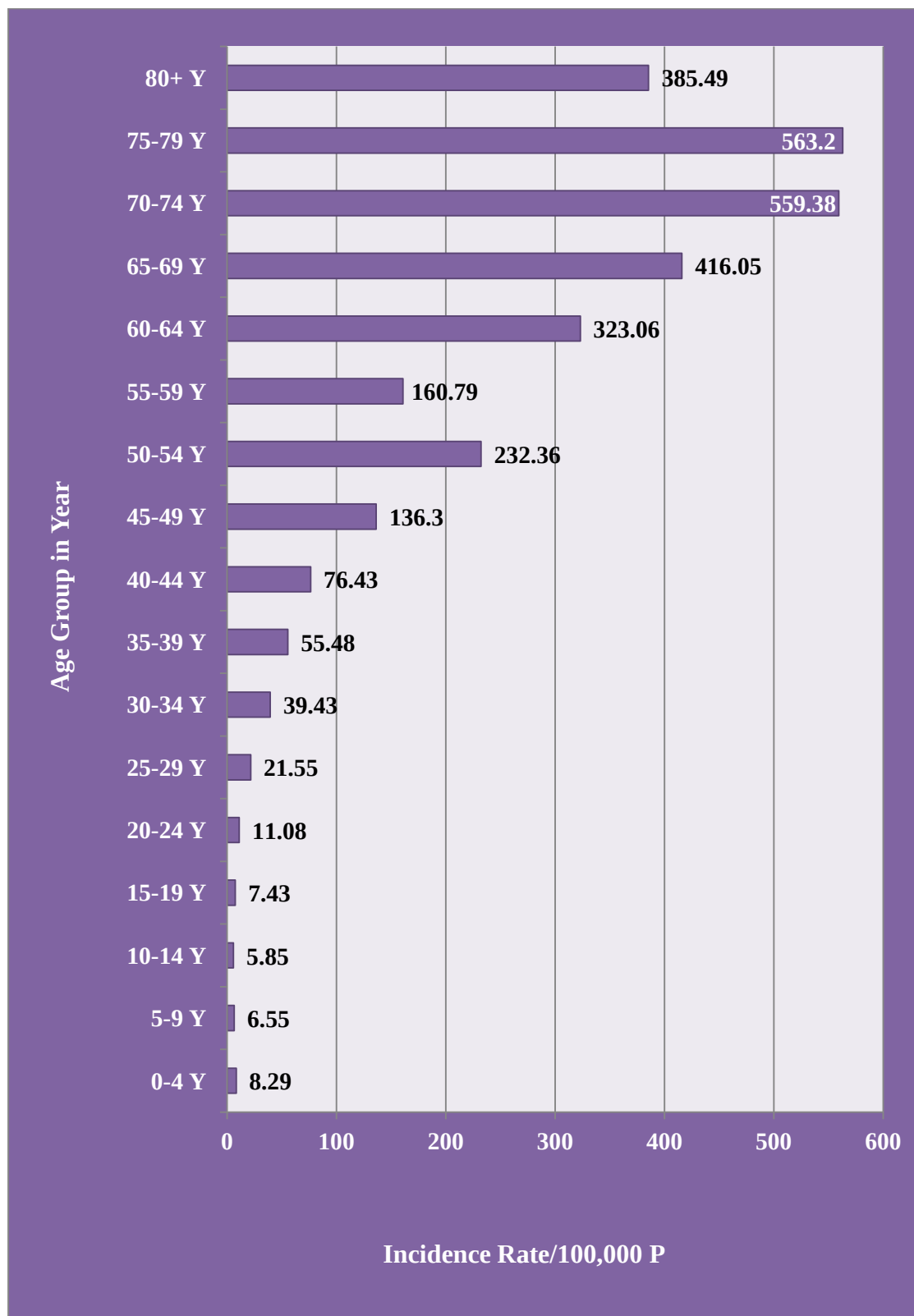
3.3.4. Distribution and the incidence rate of top ten cancers by Site, age group, Iraq, 2017:

Table No.; (18), Figure No.; (12) shows that the distribution and the incidence rate of top ten cancers in Iraq by site and age group. It shows that the highest percentage was recorded among the age group 60-64 year and the lowest among the age group 10-14 year. The highest incidence rate was recorded among the age group 70-74 year and the lowest recorded among 10-14 year..

Table No.; (18) Distribution of Top Ten Cancer by Site and Age Group, Iraq, 2017

Top Ten	0 - <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 +	Un.	Total
Breast	0	0	0	0	38	130	258	537	743	1006	985	636	657	430	268	149	106	8	5,951
Bronchus & Lung	0	1	0	2	11	10	18	22	46	112	184	193	408	412	393	218	234	1	2,265
Leukemia	270	167	121	134	89	100	87	115	111	154	167	118	166	144	121	74	68	3	2,209
Colorectal	0	0	1	0	36	48	52	93	124	166	210	175	264	186	178	106	77	0	1,716
Urinary Bladder	7	1	2	6	8	10	22	19	44	89	121	109	208	243	265	147	173	1	1,475
Non-Hodgkin Lymphoma	67	55	40	64	65	76	62	85	103	129	141	114	169	100	98	59	33	0	1,460
Brain & other CNS	95	100	83	46	51	55	76	80	103	92	129	79	115	87	54	42	30	0	1,317
Thyroid Gland	1	1	9	31	60	133	125	158	138	89	97	59	58	49	17	16	18	0	1,059
Skin	12	7	6	8	10	24	35	40	53	80	111	63	119	121	134	69	94	1	987
Stomach	0	0	2	5	13	10	21	44	54	101	99	63	113	111	95	66	59	0	856
Total	452	332	264	296	381	596	756	1,193	1,519	2,018	2,244	1,609	2,277	1,883	1,623	946	892	14	19,295
Percentage	2.34	1.72	1.37	1.53	1.97	3.09	3.92	6.18	7.87	10.46	11.63	8.34	11.80	9.76	8.41	4.90	4.62	0.07	100.00

Figure No.; (12) Incidence Rate of Top Ten Cancer \100, 000 Populations by Age Group, Iraq, 2017



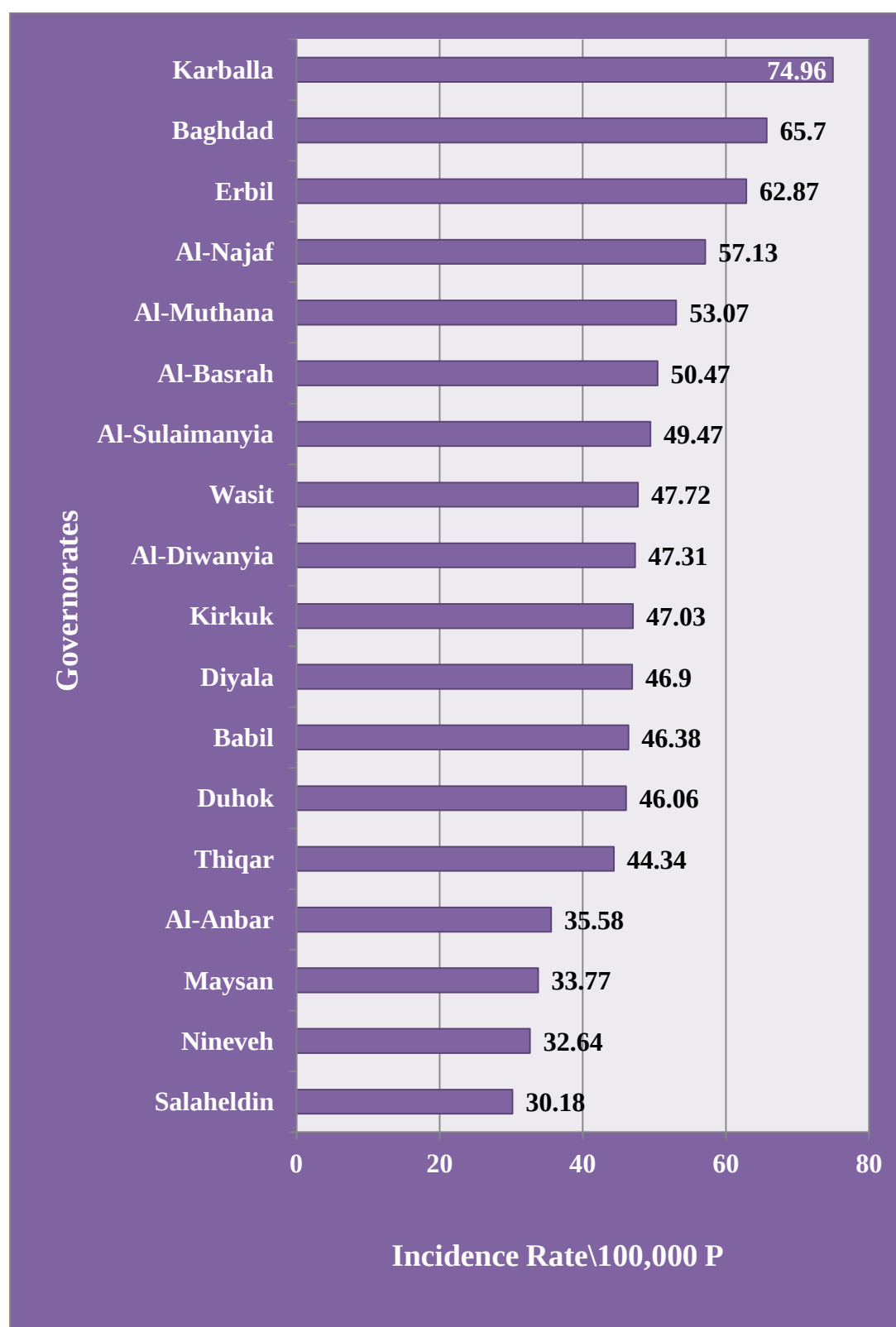
3.3.5. Distribution and the incidence rate of top ten cancers by site and governorates, Iraq, 2017:

Table No.; (19), Figure No.; (13) shows the distribution and the incidence rate of top ten cancers in Iraq by site, and governorates. It shows that the highest percentage was recorded in Baghdad and the lowest in Maysan. The highest incidence rate of cancer was recorded in Karbala and the lowest recorded in Salaheldin.

Table No.; (19) Distribution of Top Ten Cancer by Site and Governorates, Iraq, 2017

Top Ten	Al-Anbar	Al-Basrah	Al-Diwanyia	Al-Muthana	Al-Najaf	Al-Sulaimanyia	Babil	Baghdad	Diyala	Duhok	Erbil	Karbala	Kirkuk	Maysan	Nineveh	Salaheldin	ThiQar	Wasit	Un.	Total
Breast	204	487	121	88	235	310	250	1,744	225	136	298	221	261	104	538	150	205	170	204	5,951
Bronchus & Lung	34	161	93	78	139	154	187	464	92	61	150	150	60	29	99	36	177	76	25	2,265
Leukemia	105	164	71	40	78	87	96	730	91	62	97	89	74	52	130	61	90	68	24	2,209
Colorectal	52	121	40	32	62	127	79	454	74	58	141	73	74	28	103	31	68	49	50	1,716
Urinary Bladder	25	115	59	54	66	85	91	320	37	42	87	107	57	44	39	31	95	69	52	1,475
Non-Hodgkin Lymphoma	65	104	74	23	59	49	52	435	47	52	62	57	48	28	99	51	60	52	43	1,460
Brain	34	112	38	59	56	89	75	346	48	39	43	58	41	35	51	24	84	60	25	1,317
Thyroid Gland	33	50	49	24	58	39	41	300	40	14	44	70	34	17	46	31	72	41	56	1,059
Skin	13	53	27	16	38	38	22	186	43	90	151	33	54	11	30	37	19	30	96	987
Stomach	49	63	23	7	28	64	40	222	51	26	63	32	29	18	51	17	35	26	12	856
Total	614	1,430	595	421	819	1,042	933	5,201	748	580	1,136	890	732	366	1,186	469	905	641	587	19,295
Percentage	3.18	7.41	3.08	2.18	4.24	5.40	4.84	26.96	3.88	3.01	5.89	4.61	3.79	1.90	6.15	2.43	4.69	3.32	3.04	100.00

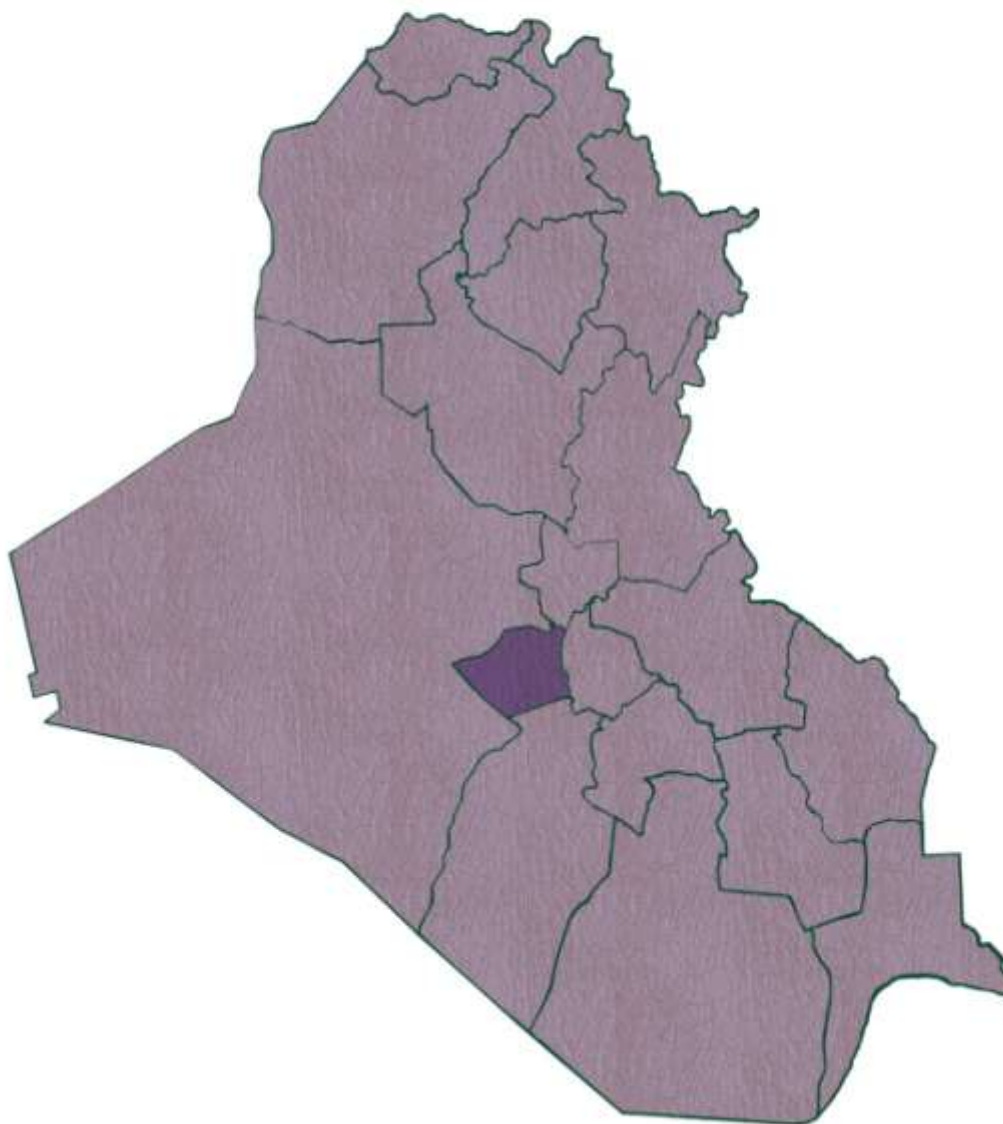
Figure No.; (13) Incidence Rate of Top Ten Cancer \100, 000 Populations by Governorates, Iraq, 2017



Results

Distribution & Incidence Rate of Top Ten Cancers by Governorates

Karballa
Populations Number : 1,187,245
Cancer Cases Number :1,327
Incidence Rate:111.77/100,000 Karballa Populations



3.4. Distribution and incidence rate of top ten cancers for each governorate stratified by gender and districts

3.4.1. Karbala governorate

Table No.; (20) Distribution of Top Ten Cancer in Karbala, Iraq, 2017

Top Ten	No.	%
Breast	221	16.65
Bronchus & Lung	150	11.30
Urinary Bladder	107	8.06
Leukemia	89	6.71
Colorectal	73	5.50
Thyroid Gland	70	5.28
Brain & other CNS Tumor	58	4.37
Non-Hodgkin Lymphoma	57	4.30
Prostate	42	3.17
Pancreas	39	2.94
Other Site	421	31.73
Total	1327	100.00%

Figure No.; (14) Incidence Rate of Top Ten Cancer in Karbala \100,000 Karbala Populations, Iraq, 2017

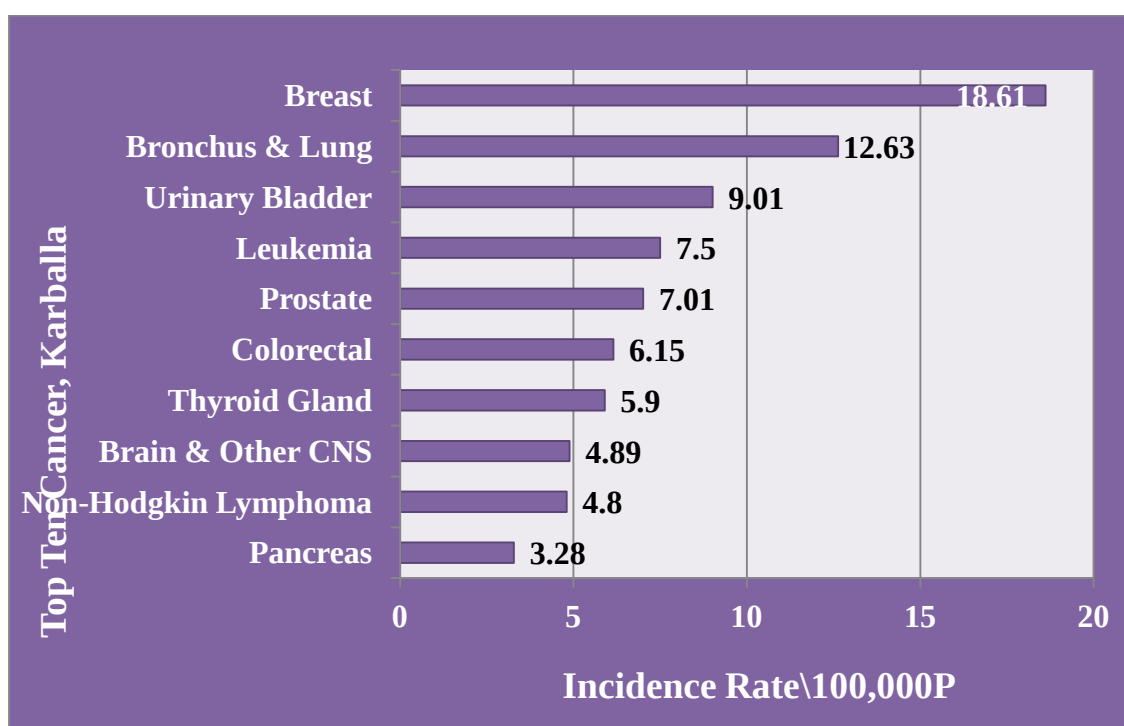


Table No.; (21) Distribution of Top Ten Cancer in Males, Karballa, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	101	16.21
Urinary Bladder	81	13.00
Leukemia	51	8.19
Colorectal	46	7.38
Prostate	42	6.74
Brain & other CNS Tumor	36	5.78
Non-Hodgkin Lymphoma	36	5.78
Pancreas	26	4.17
Kidney	20	3.21
Skin	19	3.05
Other Site	165	26.48
Total	623	100.00 %

Figure No.; (15) Incidence Rate of Top Ten Cancer in Males \100,000 Male Populations, Karballa, Iraq, 2017

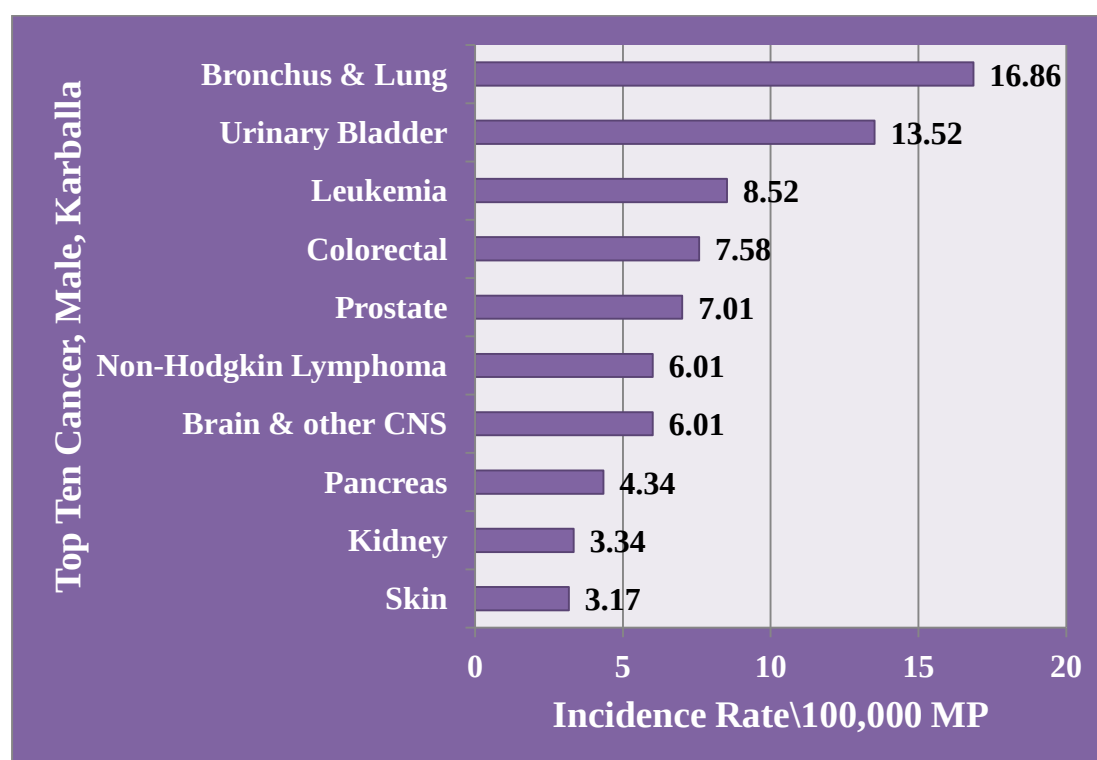


Table No.; (22) Distribution of Top Ten Cancer in Females, Karballa, Iraq, 2017

Top Ten	No.	%
Breast	220	31.25
Thyroid Gland	52	7.39
Bronchus & Lung	49	6.96
Leukemia	38	5.40
Ovary	33	4.69
Uterus Unspecified	30	4.26
Colorectal	27	3.84
Urinary Bladder	26	3.69
Brain & other CNS Tumor	22	3.13
Non-Hodgkin Lymphoma	21	2.98
Other Site	186	26.42
Total	704	100.00%

Figure No.; (16) Incidence Rate of Top Ten Cancer in Females \100,000 Female Populations, Karballa, Iraq, 2017

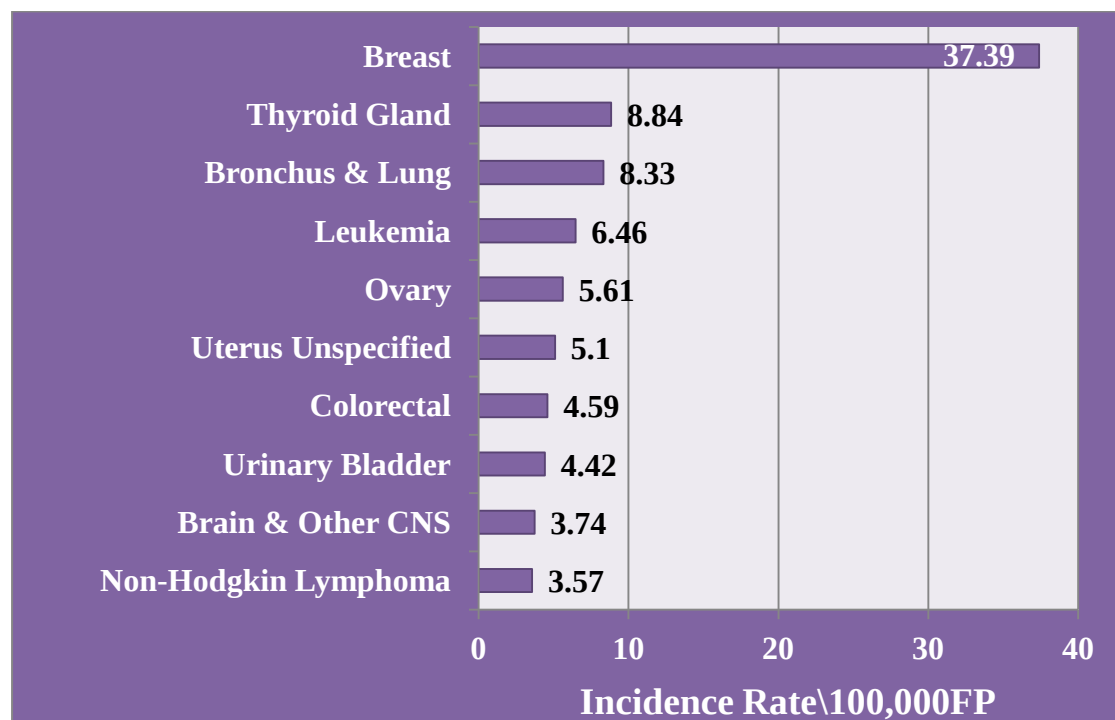
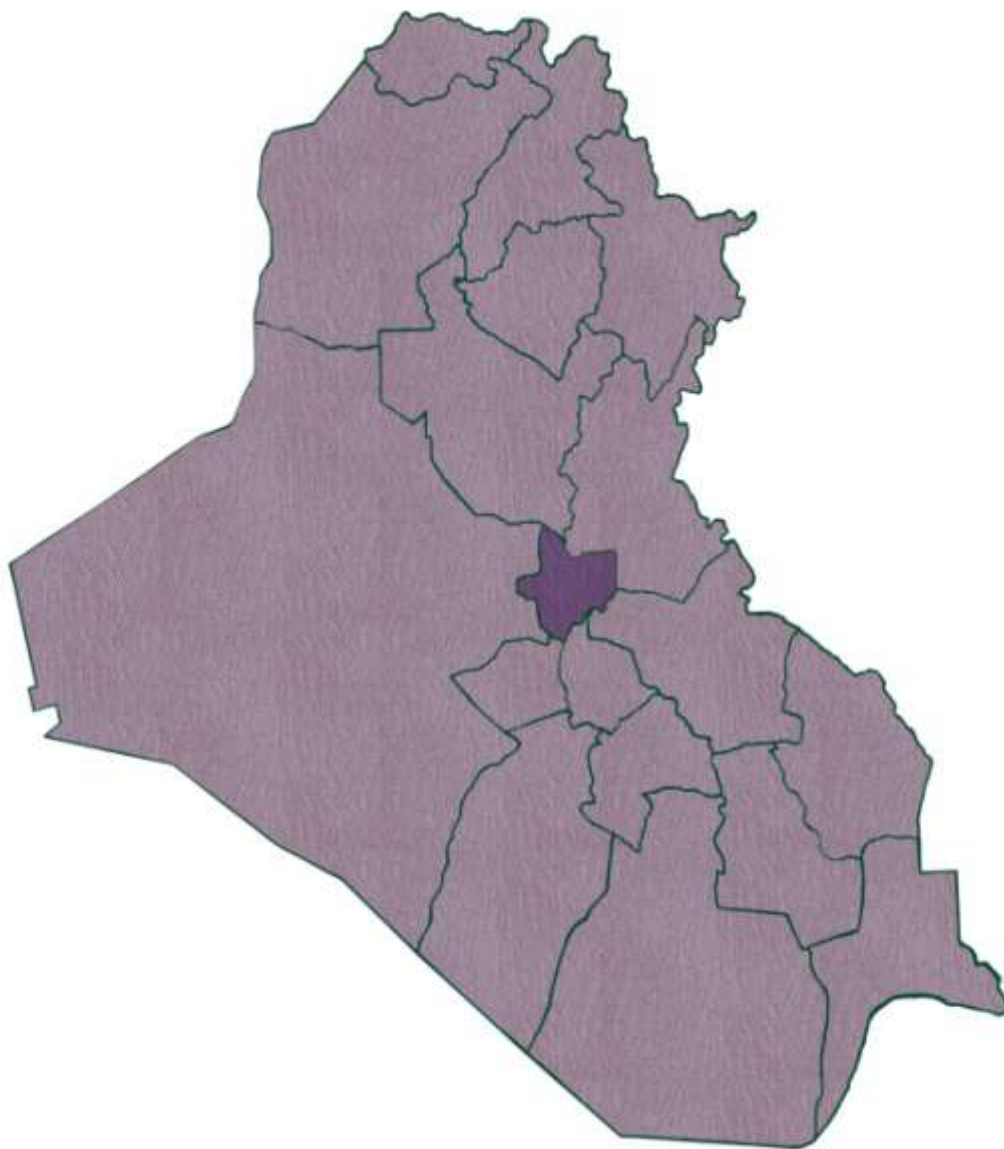


Table No.; (23) Number and Incidence Rate of Top Ten Cancer by Districts in Karballa \100,000 Karballa Populations, Iraq, 2017

Top Ten	Karballa		Al Hindia		Ain Tamour		Total	
	No.	IR	No.	IR	No.	IR	No.	IR
Breast	177	19.57	41	16.08	3	10.81	221	18.61
Bronchus & Lung	122	13.49	22	8.63	6	21.63	150	12.63
Urinary Bladder	92	10.17	15	5.88	0	0.00	107	9.01
Leukemia	69	7.63	18	7.06	2	7.21	89	7.50
Colorectal	64	7.08	6	2.35	3	10.81	73	6.15
Thyroid Gland	64	7.08	6	2.35	0	0.00	70	5.90
Brain & CNS Tumor	50	5.53	8	3.14	0	0.00	58	4.89
Non-Hodgkin Lymphoma	43	4.75	10	3.92	4	14.42	57	4.80
Prostate	37	4.09	4	1.57	1	3.60	42	3.54
Pancreas	31	3.43	7	2.75	1	3.60	39	3.28
Total	749	82.80	137	53.74	20	72.10	906	76.31

Baghdad
Populations Number : 7,916,847
Cancer Cases Number :7,738
Incidence Rate: 97.74/100,000 Baghdad Populations



3.4.2. Baghdad governorate

Table No.; (24) Distribution of Top Ten Cancer in Baghdad, Iraq, 2017

Top Ten	No.	%
Breast	1744	22.54
Leukemia	730	9.43
Bronchus & Lung	464	6.00
Colorectal	454	5.87
Non-Hodgkin Lymphoma	435	5.62
Brain & other CNS Tumor	346	4.47
Urinary Bladder	320	4.14
Thyroid Gland	300	3.88
Unknown Primary Site	229	2.96
Stomach	222	2.87
Other Site	2,494	32.23
Total	7,738	100.00%

**Figure No.; (17) Incidence Rate of Top Ten Cancer in Baghdad \100,000
Baghdad Populations, Iraq, 2017**

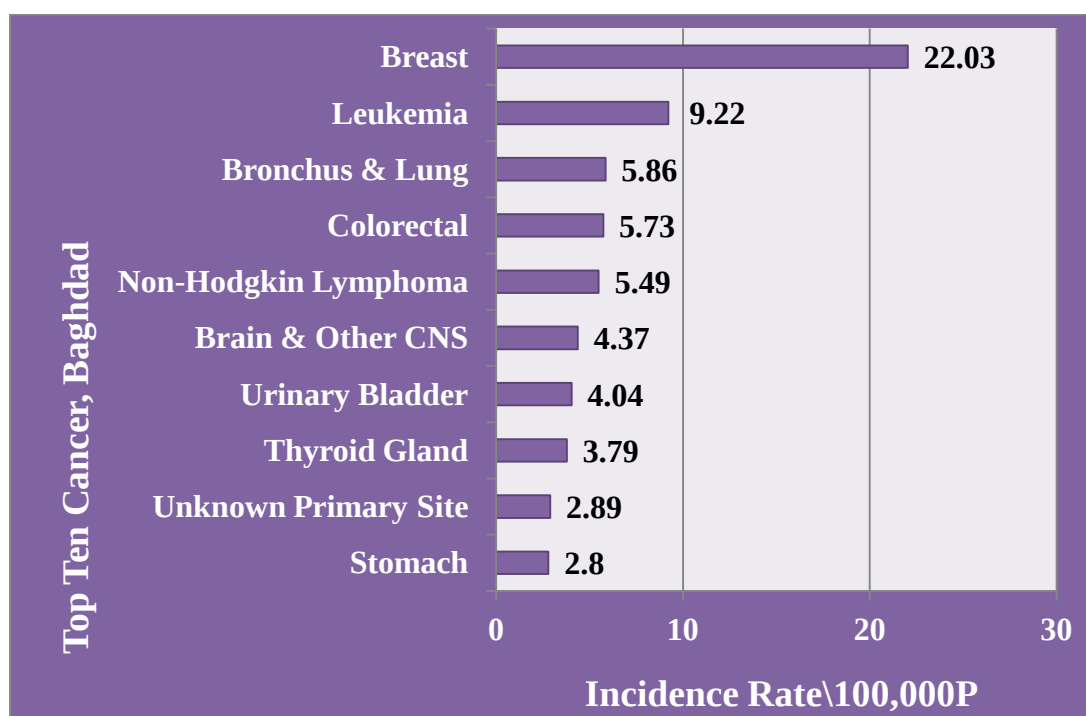


Table No.; (25) Distribution of Top Ten Cancer in Males, Baghdad, Iraq, 2017

Top Ten	No.	%
Leukemia	375	11.72
Bronchus & Lung	333	10.41
Colorectal	245	7.66
Non-Hodgkin Lymphoma	236	7.38
Urinary Bladder	236	7.38
Prostate	215	6.72
Brain & other CNS Tumor	195	6.09
Stomach	134	4.19
Unknown Primary Site	114	3.56
Pancreas	109	3.41
Other Site	1008	31.50
Total	3,200	100.00%

Figure No.; (18) Incidence Rate of Top Ten Cancer in Males \ 100,000Male Populations, Baghdad, Iraq, 2017

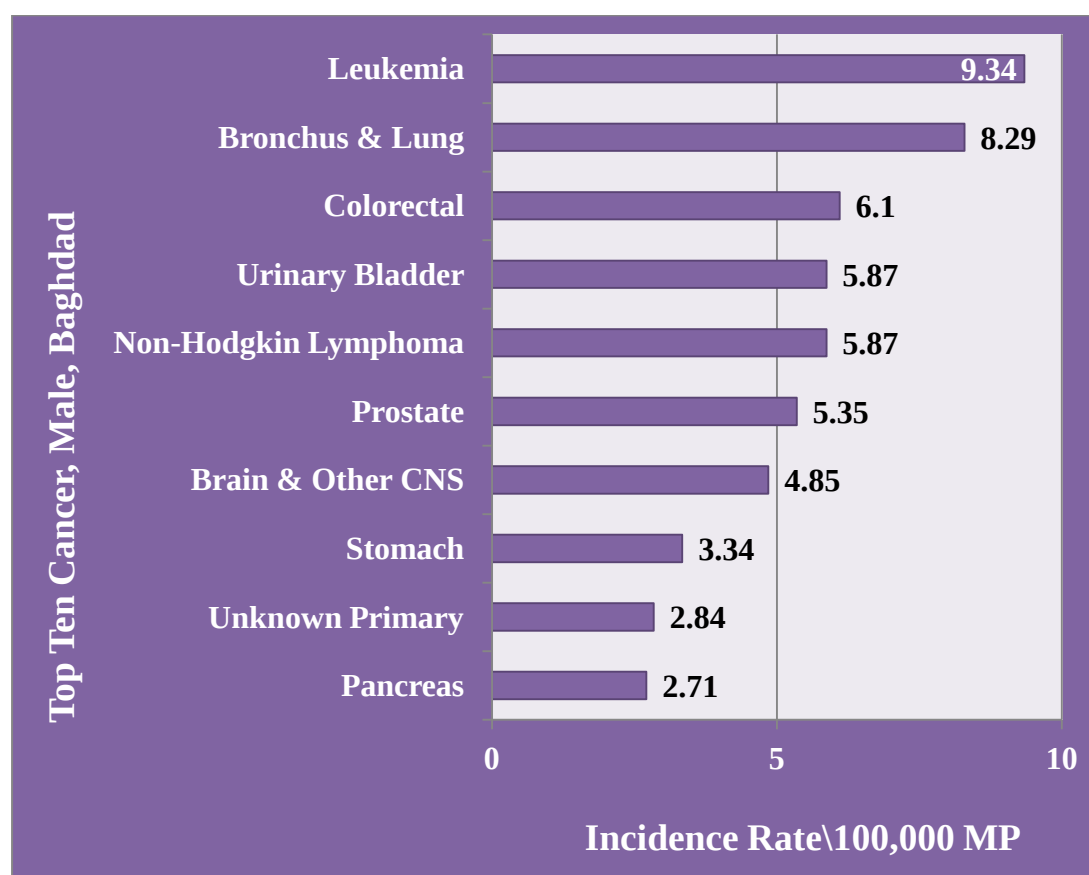


Table No.; (26) Distribution of Top Ten Cancer in Females, Baghdad, Iraq, 2017

Top Ten	No.	%
Breast	1,717	37.84
Leukemia	355	7.82
Thyroid Gland	235	5.18
Colorectal	209	4.61
Non-Hodgkin Lymphoma	199	4.39
Ovary	176	3.88
Brain & other CNS Tumor	151	3.33
Bronchus & Lung	131	2.89
Unknown Primary	115	2.53
Corpus Uteri	114	2.51
Other Site	1,136	25.03
Total	4,538	100.00 %

Figure No.; (19) Incidence Rate of Top Ten Cancer in Females \100,000 Female Populations, Baghdad, Iraq, 2017

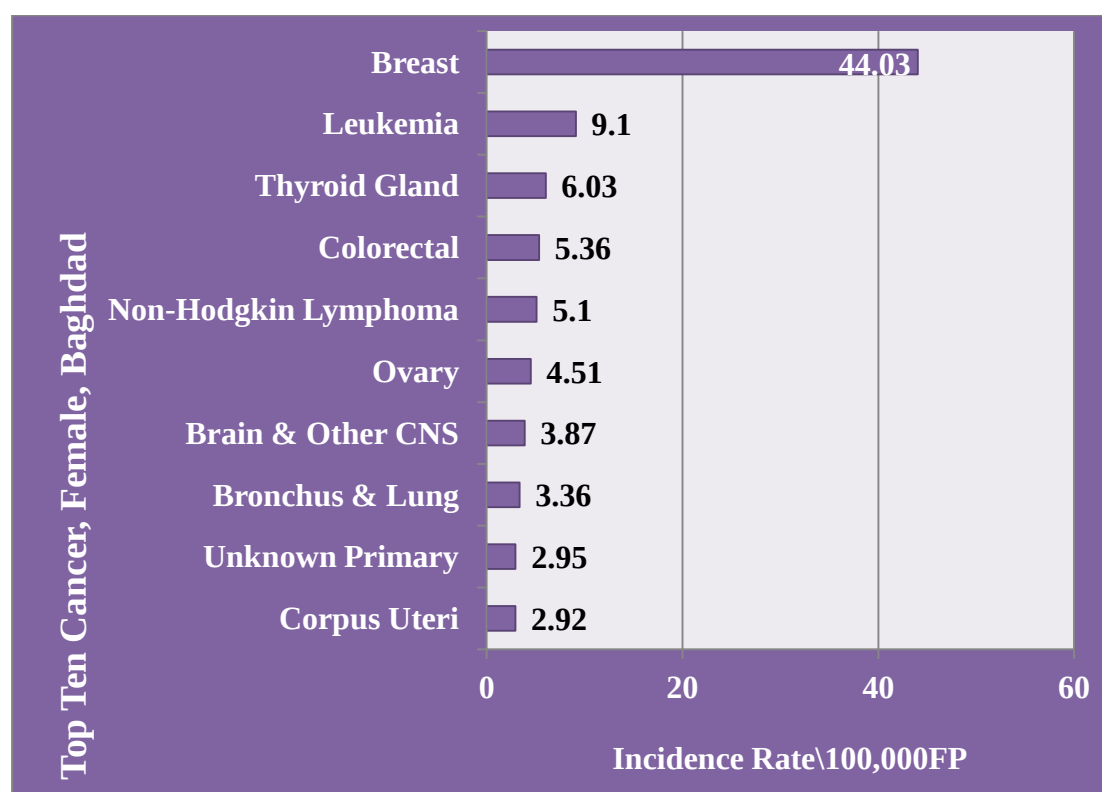
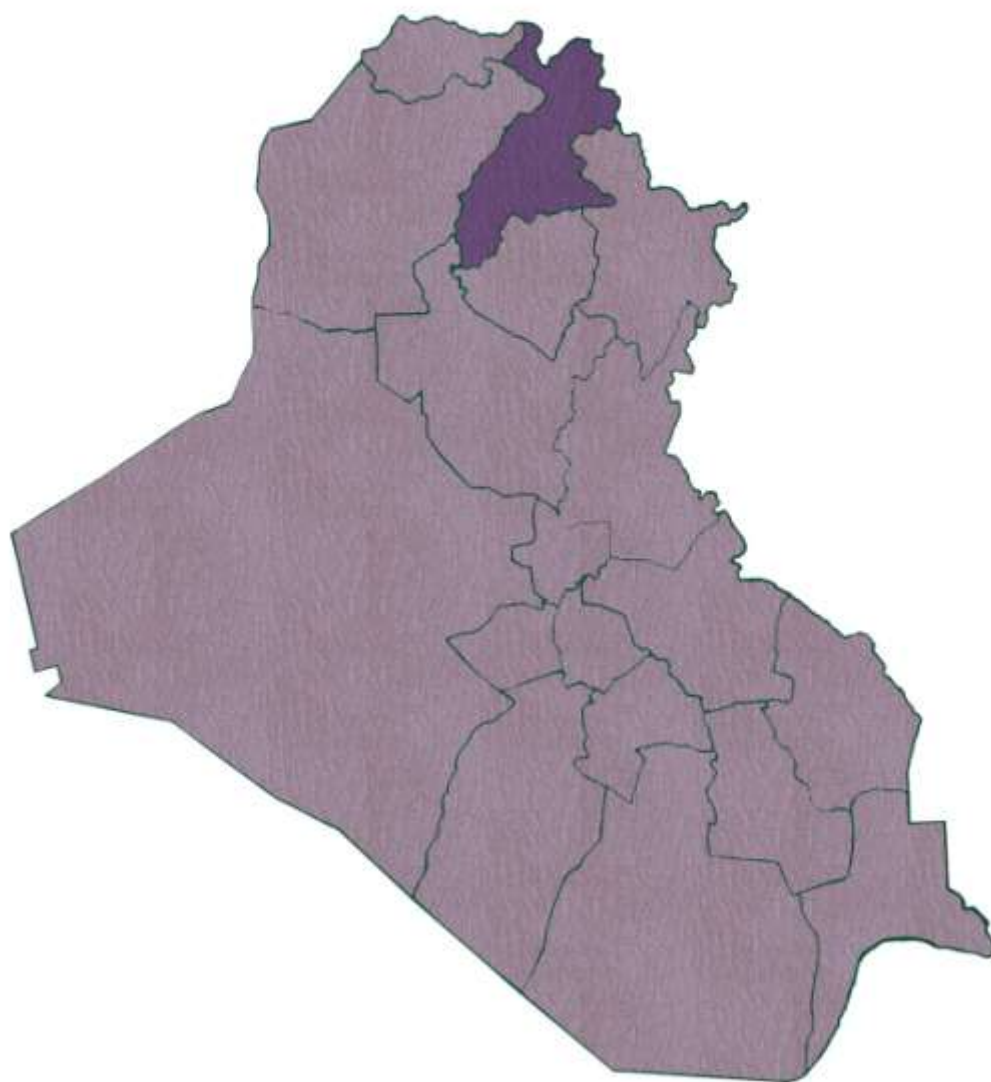


Table No.; (27) Number and Incidence Rate of Top Ten Cancer in Baghdad by Districts \100,000 Baghdad Populations, Iraq, 2017

Top Ten	Abu Graib		Al Adhamyia		Al Kadhimyiah		Al Karkh		Al Madain		Al Mahmoodyia		Al Sadir		Al Tarmia		Rissaffa		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	19	6.04	301	25.70	191	21.85	439	28.28	45	10.05	42	8.91	241	20.41	5	3.54	461	26.15	1744	22.03
Leukemia	35	11.12	72	6.15	73	8.35	293	18.87	32	7.15	45	9.54	71	6.01	2	1.41	107	6.07	730	9.22
Bronchus & Lung	8	2.54	70	5.98	50	5.72	112	7.21	21	4.69	14	2.97	70	5.93	1	0.71	118	6.69	464	5.86
Colorectal	2	0.64	71	6.06	50	5.72	133	8.57	10	2.23	9	1.91	57	4.83	4	2.83	118	6.69	454	5.73
Non-Hodgkin Lymphoma	14	4.45	60	5.12	40	4.58	98	6.31	23	5.14	19	4.03	65	5.51	1	0.71	115	6.52	435	5.49
Brain & CNS Tumor	8	2.54	47	4.01	39	4.46	66	4.25	19	4.24	14	2.97	59	5.00	0	0.00	94	5.33	346	4.37
Urinary Bladder	5	1.59	44	3.76	42	4.80	64	4.12	21	4.69	19	4.03	48	4.07	1	0.71	76	4.31	320	4.04
Thyroid Gland	10	3.18	43	3.67	32	3.66	64	4.12	13	2.90	8	1.70	59	5.00	3	2.12	68	3.86	300	3.79
Unknown Primary	1	0.32	33	2.82	20	2.29	61	3.93	8	1.79	10	2.12	33	2.80	1	0.71	62	3.52	229	2.89
Stomach	7	2.22	28	2.39	20	2.29	57	3.67	8	1.79	5	1.06	26	2.20	1	0.71	70	3.97	222	2.80
Total	109	34.63	769	65.65	557	63.71	1387	89.34	200	44.66	185	39.24	729	61.75	19	13.44	1289	73.13	5244	66.24

Erbil
Populations Number : 1,806,871
Cancer Cases Number : 1,681
Incidence Rate: 93.03/100,000 Erbil Populations



3.4.3. Erbil governorate

Table No.; (28) Distribution of Top Ten Cancer in Erbil, Iraq, 2017

Top Ten	No.	%
Breast	298	17.73
Skin	151	8.98
Bronchus & Lung	150	8.92
Colorectal	141	8.39
Leukemia	97	5.77
Urinary Bladder	87	5.18
Prostate	68	4.05
Stomach	63	3.75
Non-Hodgkin Lymphoma	62	3.69
Unknown Primary Site	48	2.86
Other Site	516	30.70
Total	1,681	100.00%

Figure No.; (20) Incidence Rate of Top Ten Cancer in Erbil \100,000 Erbil Populations, Iraq, 2017

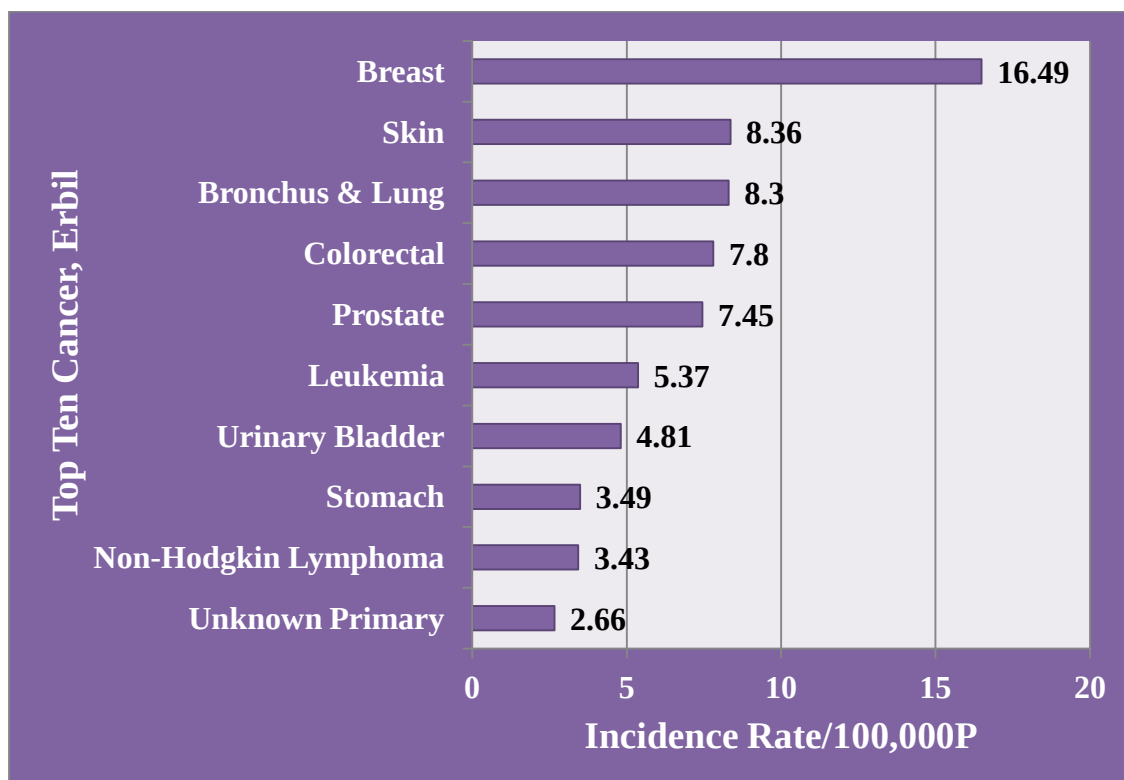


Table No.; (29) Distribution of Top Ten Cancer in Males, Erbil, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	106	13.28
Colorectal	85	10.65
Urinary Bladder	73	9.15
Prostate	68	8.52
Skin	65	8.15
Leukemia	54	6.77
Stomach	40	5.01
Non-Hodgkin Lymphoma	39	4.89
Larynx	25	3.13
Brain & other CNS Tumor	23	2.88
Other Site	220	27.57
Total	798	100.00%

Figure No.; (21) Incidence Rate of Top Ten Cancer in Males \100,000 Male Populations, Erbil, Iraq, 2017

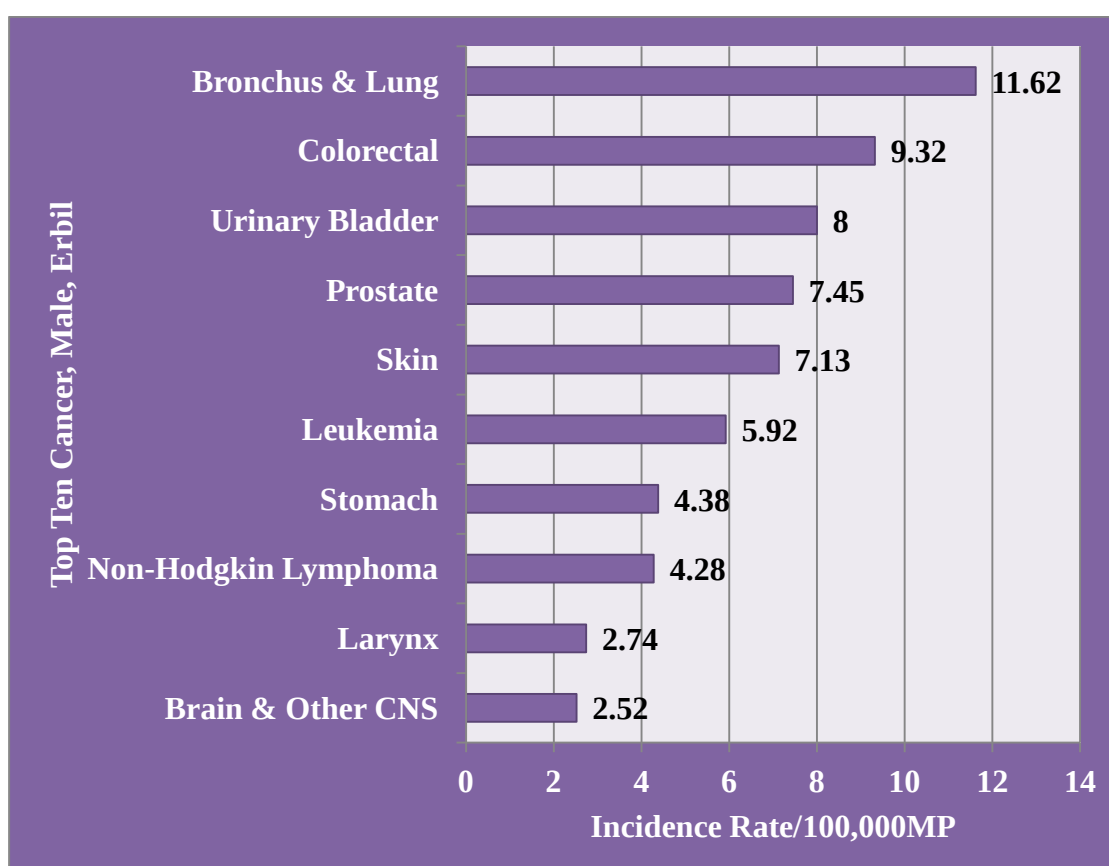


Table No.; (30) Distribution of Top Ten Cancer in Females, Erbil, Iraq, 2017

Top Ten	No.	%
Breast	288	32.62
Skin	86	9.74
Colorectal	56	6.34
Bronchus & Lung	44	4.98
Leukemia	43	4.87
Ovary	33	3.74
Thyroid Gland	32	3.62
Unknown Primary Site	32	3.62
Corpus Uteri	29	3.28
Hodgkin Lymphoma	24	2.72
Other Site	216	24.46
Total	883	100.00%

Figure No.; (22) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Erbil, Iraq, 2017

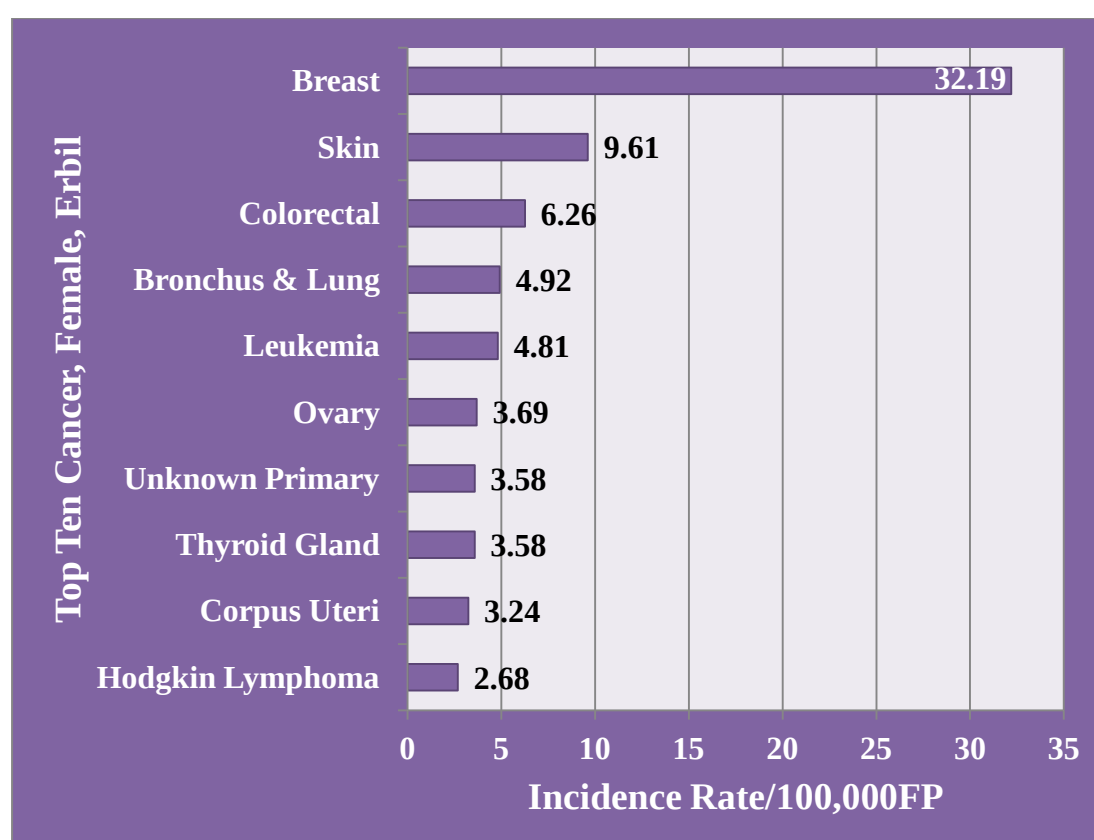
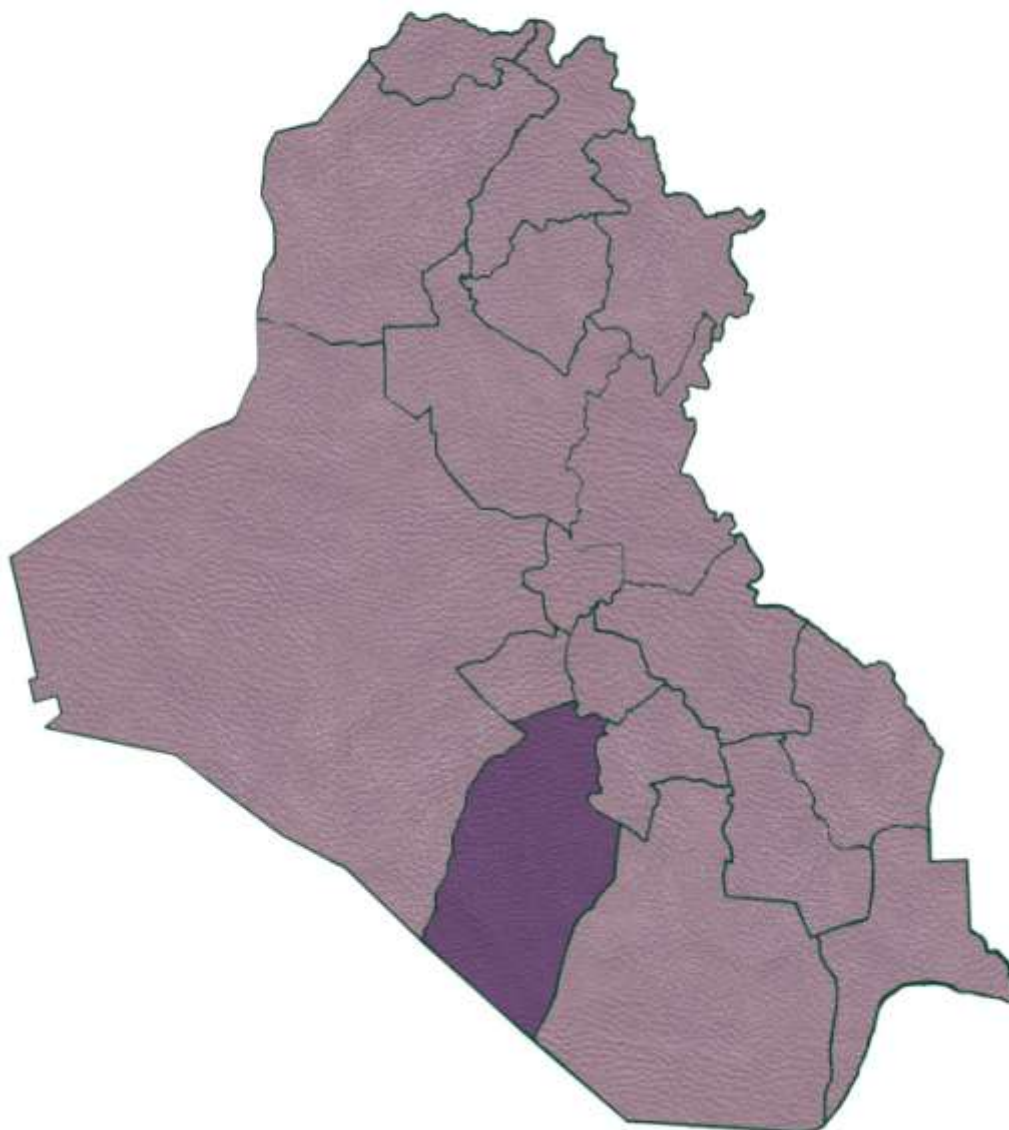


Table No.; (31) Number and Incidence Rate of Top Ten Cancer by Districts in Erbil \100,000 Erbil Populations, Iraq, 2017

Top Ten	Choman		Deshti Erbil		Erbil		Khabat		Kweisengek		Meirgehsor		Rawandooza		Shaqlawa		Sooran		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	1	3.25	8	3.67	239	25.64	8	7.37	13	11.81	3	5.76	5	11.63	11	7.47	10	5.46	298	16.49
Skin, other	0	0.00	9	4.13	117	12.55	5	4.61	6	5.45	0	0.00	0	0.00	8	5.43	6	3.28	151	8.36
Bronchus & Lung	1	3.25	8	3.67	114	12.23	6	5.53	3	2.72	2	3.84	1	2.33	9	6.11	6	3.28	150	8.30
Colorectal	1	3.25	2	0.92	111	11.91	4	3.69	4	3.63	0	0.00	1	2.33	7	4.75	11	6.01	141	7.80
Leukemia	1	3.25	10	4.59	64	6.87	3	2.76	3	2.72	0	0.00	0	0.00	8	5.43	8	4.37	97	5.37
Urinary Bladder	1	3.25	0	0.00	68	7.30	2	1.84	4	3.63	2	3.84	1	2.33	6	4.07	3	1.64	87	4.81
Prostate	1	3.25	5	2.29	47	5.04	1	0.92	1	0.91	1	1.92	2	4.65	5	3.40	5	2.73	68	3.76
Stomach	1	3.25	4	1.84	45	4.83	3	2.76	1	0.91	0	0.00	2	4.65	5	3.40	2	1.09	63	3.49
Non-Hodgkin Lymphoma	0	0.00	1	0.46	46	4.94	4	3.69	2	1.82	1	1.92	2	4.65	4	2.72	2	1.09	62	3.43
Unknown Primary	2	6.51	1	0.46	40	4.29	2	1.84	1	0.91	0	0.00	0	0.00	1	0.68	1	0.55	48	2.66
Total	9	29.28	48	22.03	891	95.59	38	35.02	38	34.51	9	17.28	14	32.57	64	43.46	54	29.48	1165	64.48

Al-Najaf
Populations Number : 1,433,583
Cancer Cases Number : 1,250
Incidence Rate: 87.19/100,000 Al-Najaf Populations



3.4.4. Al-Najaf governorate

Table No.; (32) Distribution of Top Ten Cancer in Al-Najaf, Iraq, 2017

Top Ten	No.	%
Breast	235	18.8
Bronchus & Lung	139	11.12
Leukemia	78	6.24
Urinary Bladder	66	5.28
Colorectal	62	4.96
Non-Hodgkin Lymphoma	59	4.72
Thyroid Gland	58	4.64
Brain & other CNS Tumor	56	4.48
Kidney	46	3.68
Ovary	42	3.36
Other Site	409	32.72
Total	1,250	100.00%

**Figure No.; (23) Incidence Rate of Top Ten Cancer in Al-Najaf \100,000
Al-Najaf Populations, Iraq, 2017**

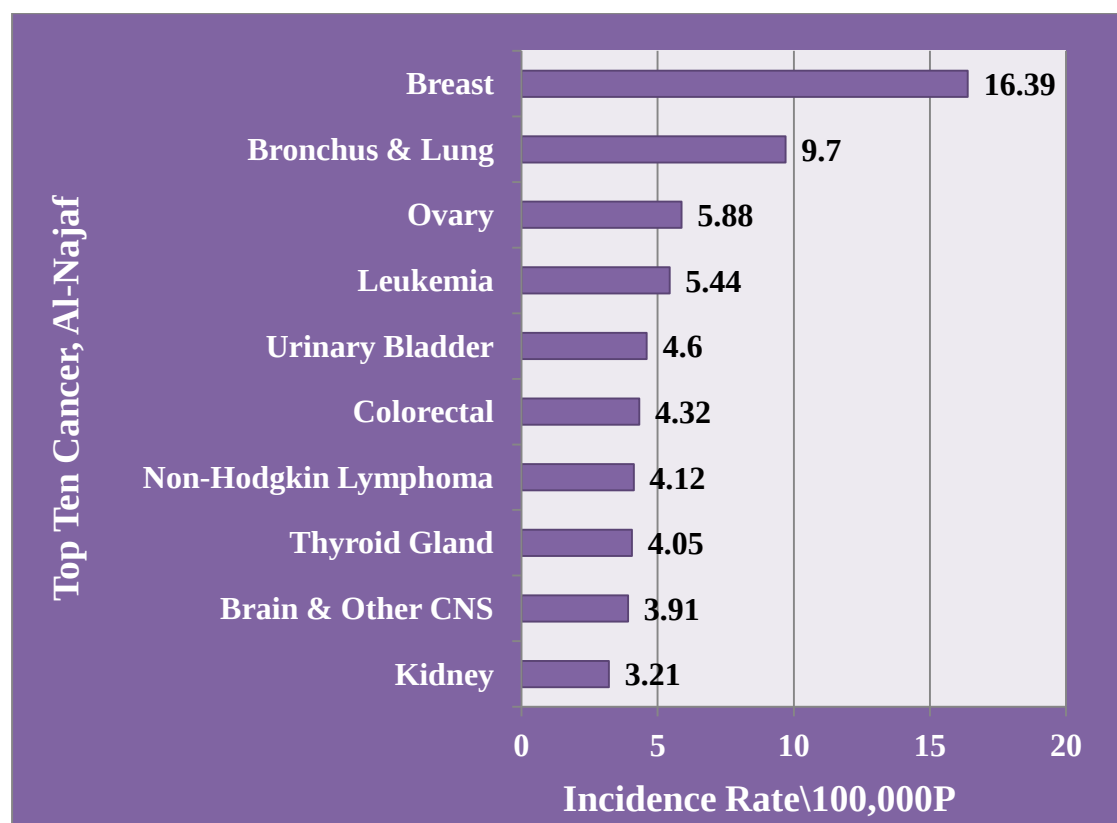


Table No.; (33) Distribution of Top Ten Cancer in Males, Al-Najaf, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	94	17.22
Urinary Bladder	48	8.79
Leukemia	45	8.24
Prostate	42	7.69
Colorectal	37	6.78
Brain & other CNS Tumor	34	6.23
Non-Hodgkin Lymphoma	32	5.86
Kidney	31	5.68
Pancreas	23	4.21
Stomach	20	3.66
Other Site	140	25.64
Total	546	100.00%

Figure No.; (24) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Al-Najaf, Iraq, 2017

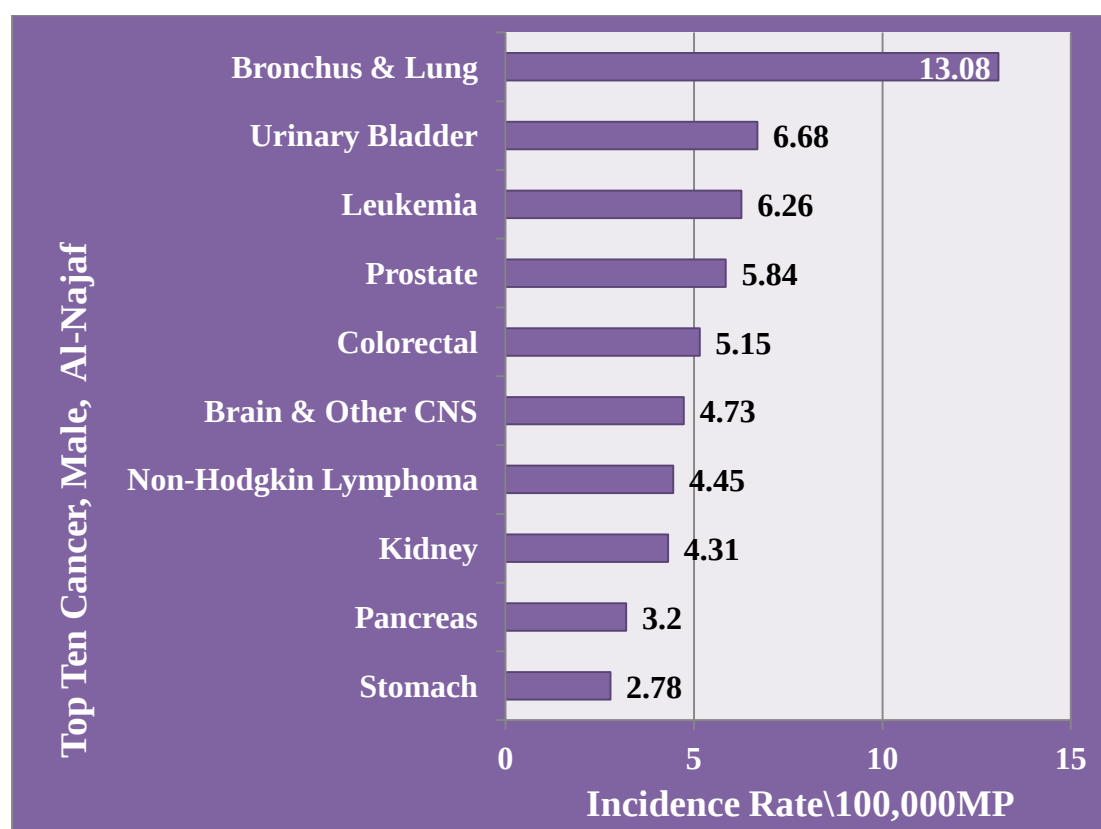


Table No.; (34) Distribution of Top Ten Cancer in Females, Al-Najaf, Iraq, 2017

Top Ten	No.	%
Breast	234	33.24
Thyroid Gland	49	6.96
Bronchus & Lung	45	6.39
Ovary	42	5.97
Leukemia	33	4.69
Non-Hodgkin Lymphoma	27	3.84
Colorectal	25	3.55
Skin	24	3.41
Brain & other CNS Tumor	22	3.13
Hodgkin Lymphoma	18	2.56
Other Site	185	26.28
Total	704	100.00%

Figure No.; (25) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Al-Najaf, Iraq, 2017

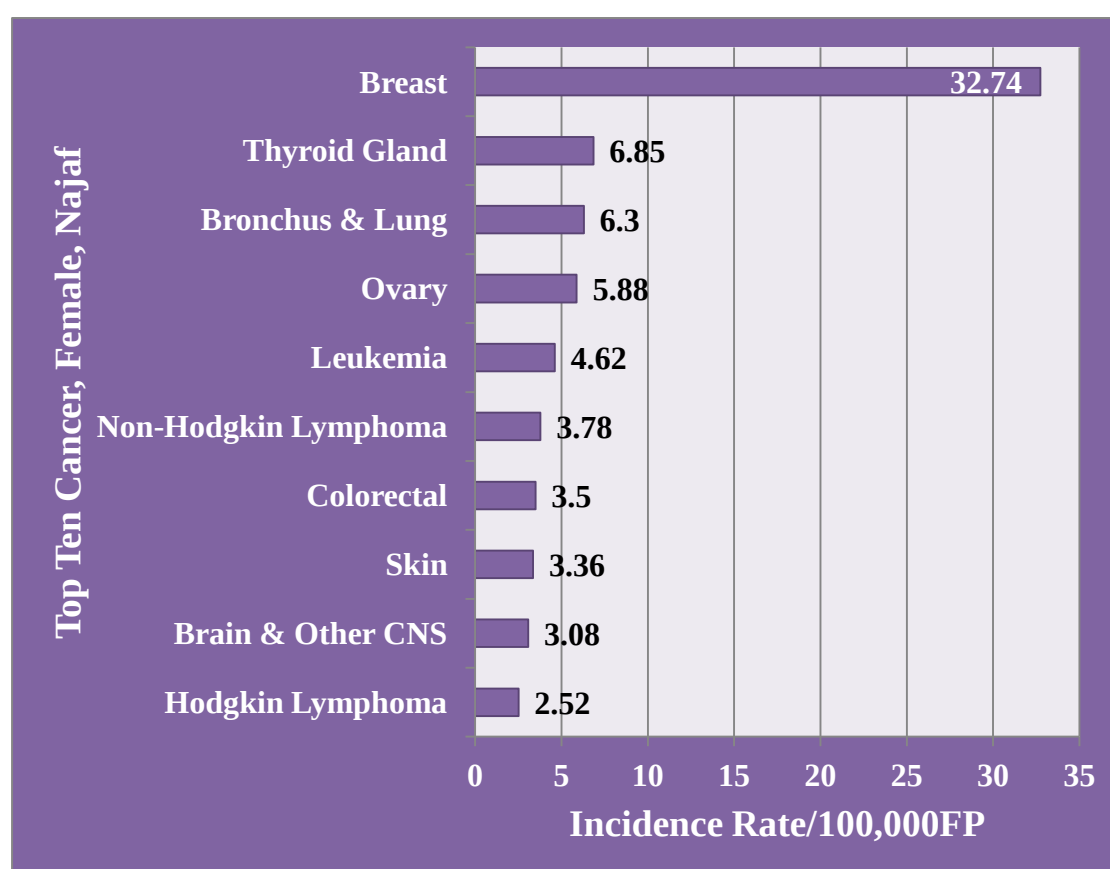
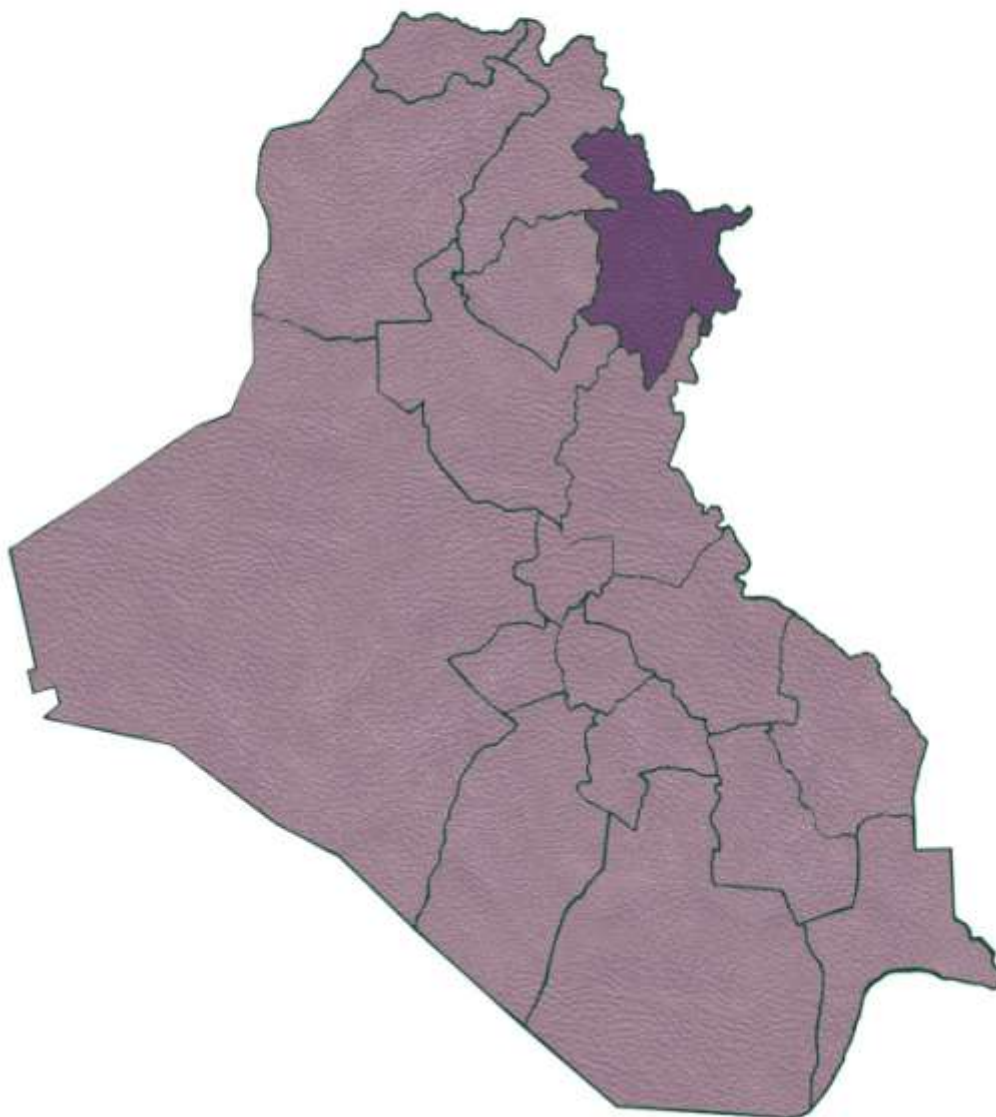


Table No.; (35) Number and Incidence Rate of Top Ten Cancer by Districts \ 100,000 Al-Najaf Populations, Al-Najaf, Iraq, 2017

Top Ten	Al Kuffa		Al Manathra		Al Najaf		Total	
	No.	IR	No.	IR	No.	IR	No.	IR
Breast	47	13.13	32	24.65	156	19.28	235	16.39
Bronchus & Lung	34	9.50	23	17.72	82	10.13	139	9.70
Leukemia	12	3.35	11	8.47	55	6.80	78	5.44
Urinary Bladder	11	3.07	13	10.01	42	5.19	66	4.60
Colorectal	17	4.75	2	1.54	43	5.31	62	4.32
Non-Hodgkin Lymphoma	12	3.35	9	6.93	38	4.70	59	4.12
Thyroid Gland	11	3.07	8	6.16	39	4.82	58	4.05
Brain & other CNS Tumor	16	4.47	15	11.56	25	3.09	56	3.91
Kidney	13	3.63	6	4.62	27	3.34	46	3.21
Ovary	7	1.95	6	4.62	29	3.58	42	2.93
Total	180	50.27	125	96.30	536	66.24	841	58.66

Al-Sulaimanyia
Populations Number : 2,106,423
Cancer Cases Number :1,791
Incidence Rate:85.03/100,000 Al-Sulaimanyia Populations



3.4.5. Al-Sulaimanyia governorate

Table No.; (36) Distribution of Top Ten Cancer in Al-Sulaimanyia, Iraq, 2017

Top Ten	No.	%
Breast	310	17.31
Bronchus & Lung	154	8.60
Colorectal	127	7.09
Brain & other CNS Tumor	89	4.97
Leukemia	87	4.86
Prostate	85	4.75
Urinary Bladder	85	4.75
Unknown Primary Site	83	4.63
Hodgkin Lymphoma	71	3.96
Stomach	64	3.57
Other Site	636	35.51
Total	1,791	100.00%

Figure No.; (26) Incidence Rate of Top Ten Cancer in Al-Sulaimanyia \100,000 Al-Sulaimanyia Populations, Iraq, 2017

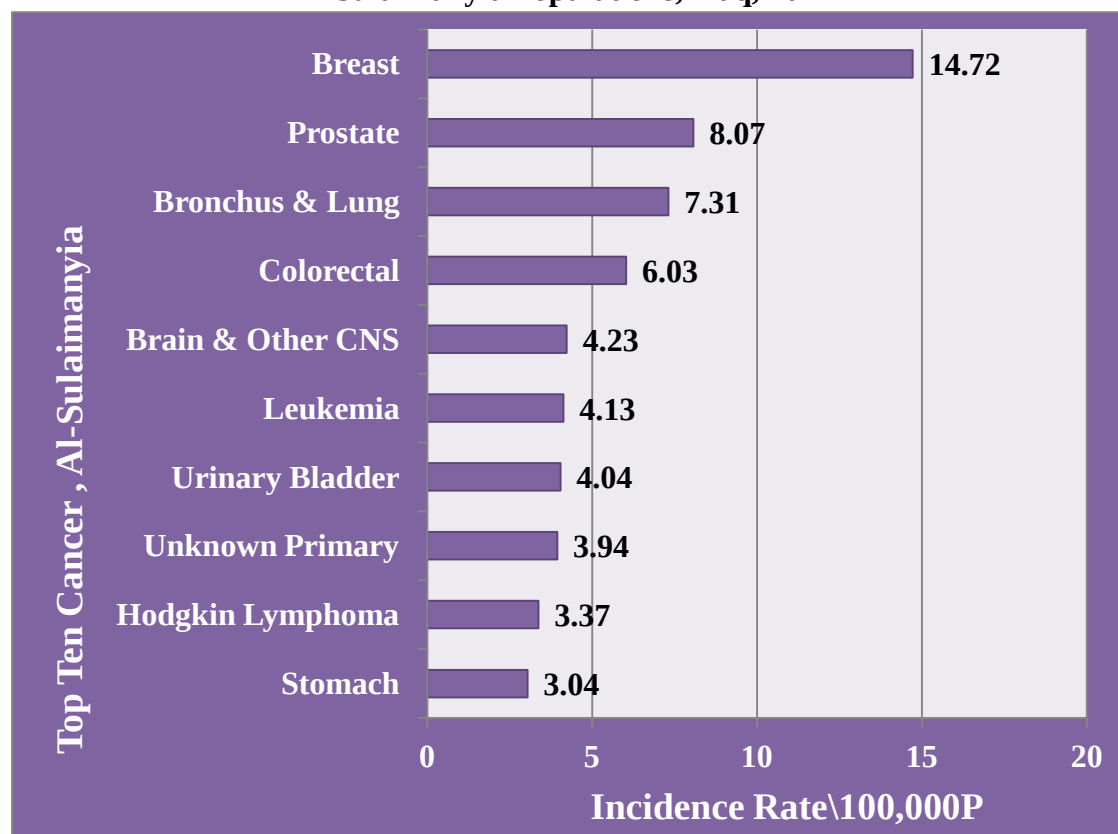


Table No.; (37) Distribution of Top Ten Cancer in Males, Al-Sulaimanyia, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	119	14.20
Prostate	85	10.14
Urinary Bladder	68	8.11
Colorectal	60	7.16
Brain & other CNS Tumor	54	6.44
Leukemia	47	5.61
Hodgkin Lymphoma	36	4.30
Kidney	34	4.06
Stomach	34	4.06
Unknown Primary Site	33	3.94
Other Site	268	31.98
Total	838	100.00%

Figure No.; (27) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Al-Sulaimanyia, Iraq, 2017

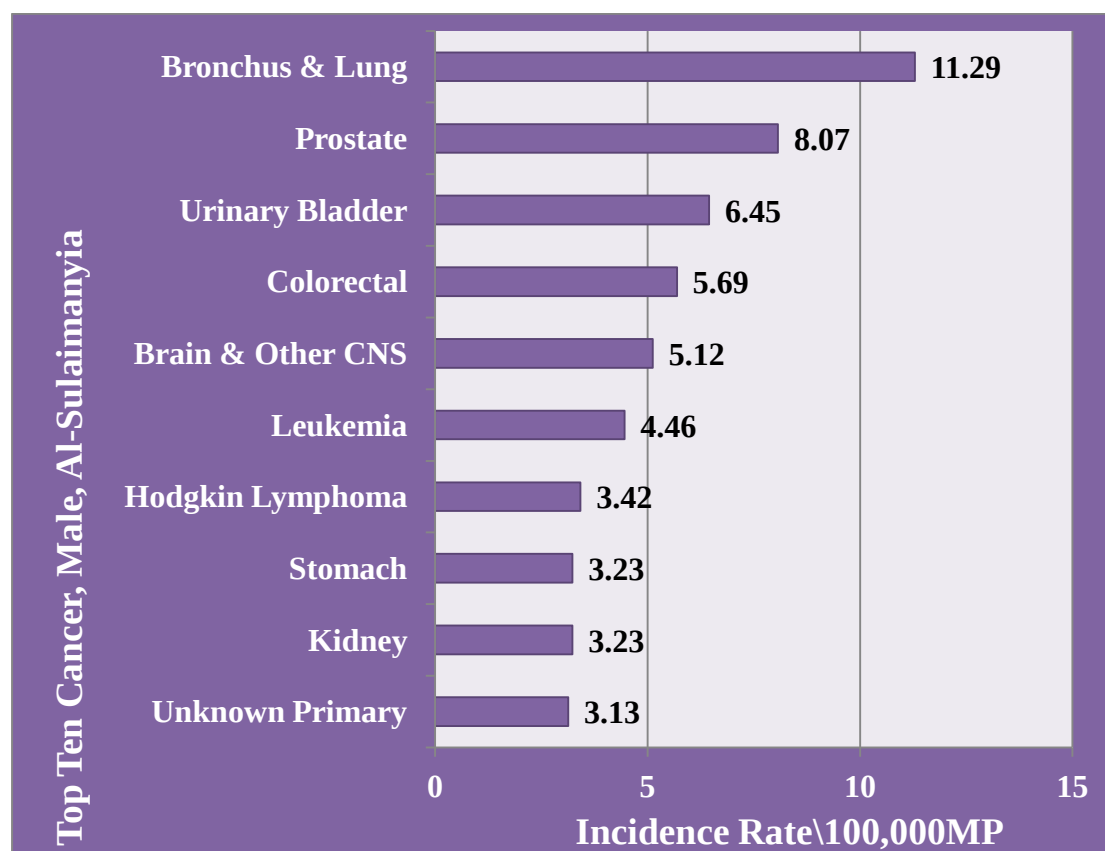


Table No.; (38) Distribution of Top Ten Cancer in Females, Al-Sulaimanyia, Iraq, 2017

Top Ten	No.	%
Breast	305	32.00
Colorectal	67	7.03
Unknown Primary	50	5.25
Ovary	44	4.62
Leukemia	40	4.20
Brain & other CNS Tumor	35	3.67
Bronchus & Lung	35	3.67
Hodgkin Lymphoma	35	3.67
Stomach	30	3.15
Non-Hodgkin Lymphoma	26	2.73
Other Site	286	30.01
Total	953	100.00%

Figure No.; (28) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Al-Sulaimanyia, Iraq, 2017

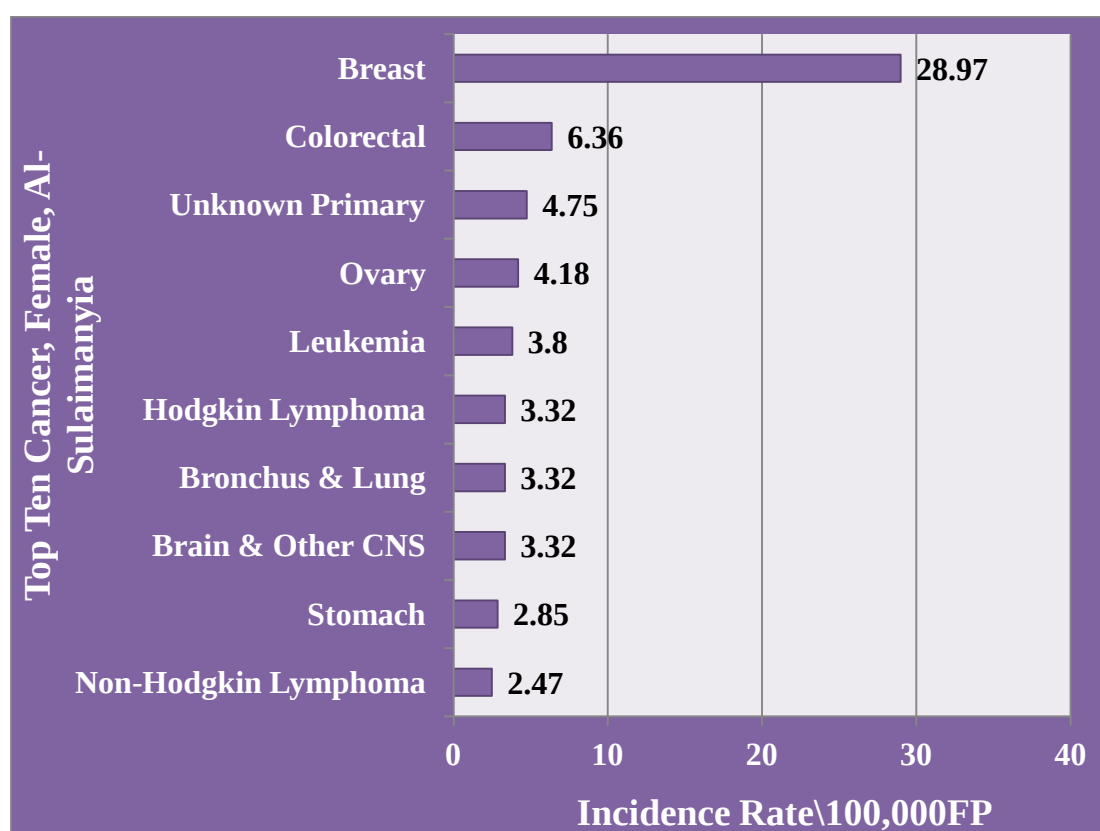


Table No.; (39) Number and Incidence Rate of Top Ten Cancer by Districts \ 100,000 Sulaimanyia Populations, Iraq, 2017

Top Ten	Al Sulaimanyia		Bashdar		Cham Chamal		Darbandy khan		Dokan		Halabcha		Kfri		Klar		Penjwin		Rania		Shahrazur		Sharbazher		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	196	22.91	5	4.01	19	11.48	7	14.27	9	12.77	13	12.25	2	3.72	34	17.49	2	4.44	15	6.52	8	11.69	0	0.00	310	14.72
Bronchus & Lung	92	10.75	10	8.02	4	2.42	1	2.04	4	5.67	8	7.54	0	0.00	12	6.17	1	2.22	19	8.26	2	2.92	1	4.79	154	7.31
Colorectal	74	8.65	5	4.01	7	4.23	2	4.08	3	4.26	2	1.88	1	1.86	15	7.71	2	4.44	11	4.78	5	7.31	0	0.00	127	6.03
Brain & other CNS Tumor	50	5.84	2	1.60	8	4.84	5	10.19	3	4.26	1	0.94	1	1.86	4	2.06	2	4.44	9	3.91	2	2.92	2	9.57	89	4.23
Leukemia	47	5.49	3	2.41	6	3.63	2	4.08	3	4.26	2	1.88	0	0.00	8	4.11	0	0.00	12	5.22	4	5.85	0	0.00	87	4.13
Prostate	45	5.26	2	1.60	8	4.84	0	0.00	4	5.67	6	5.65	1	1.86	10	5.14	2	4.44	5	2.17	1	1.46	1	4.79	85	4.04
Urinary Bladder	55	6.43	4	3.21	3	1.81	1	2.04	1	1.42	5	4.71	0	0.00	7	3.60	0	0.00	6	2.61	2	2.92	1	4.79	85	4.04
Unknown Primary Site	45	5.26	3	2.41	8	4.84	3	6.12	2	2.84	5	4.71	1	1.86	8	4.11	0	0.00	5	2.17	3	4.38	0	0.00	83	3.94
Hodgkin Lymphoma	38	4.44	1	0.80	4	2.42	4	8.16	1	1.42	2	1.88	0	0.00	8	4.11	1	2.22	8	3.48	4	5.85	0	0.00	71	3.37
Stomach	36	4.21	2	1.60	2	1.21	4	8.16	1	1.42	0	0.00	1	1.86	6	3.09	1	2.22	9	3.91	2	2.92	0	0.00	64	3.04
Total	678	79.26	37	29.67	69	41.71	29	59.13	31	43.97	44	41.45	7	13.03	112	57.60	11	24.41	99	43.06	33	48.23	5	23.94	1155	54.83

Al-Basrah
Populations Number : 2,833,375
Cancer Cases Number : 2,194
Incidence Rate: 77.43/100,000 Al-Basrah Populations



3.4.6. Al-Basrah governorate

Table No.; (40) Distribution of Top Ten Cancer in Al-Basrah, Iraq, 2017

Top Ten	No.	%
Breast	487	22.20
Leukemia	164	7.47
Bronchus & Lung	161	7.34
Colorectal	121	5.52
Urinary Bladder	115	5.24
Brain & other CNS Tumor	112	5.10
Non-Hodgkin Lymphoma	104	4.74
Pancreas	67	3.05
Prostate	64	2.92
Kidney	63	2.87
Other Site	736	33.55
Total	2,194	100.00%

**Figure No.; (29) Incidence Rate of Top Ten Cancer in Al-Basrah \100,000
Al-Basrah Populations, Iraq, 2017**

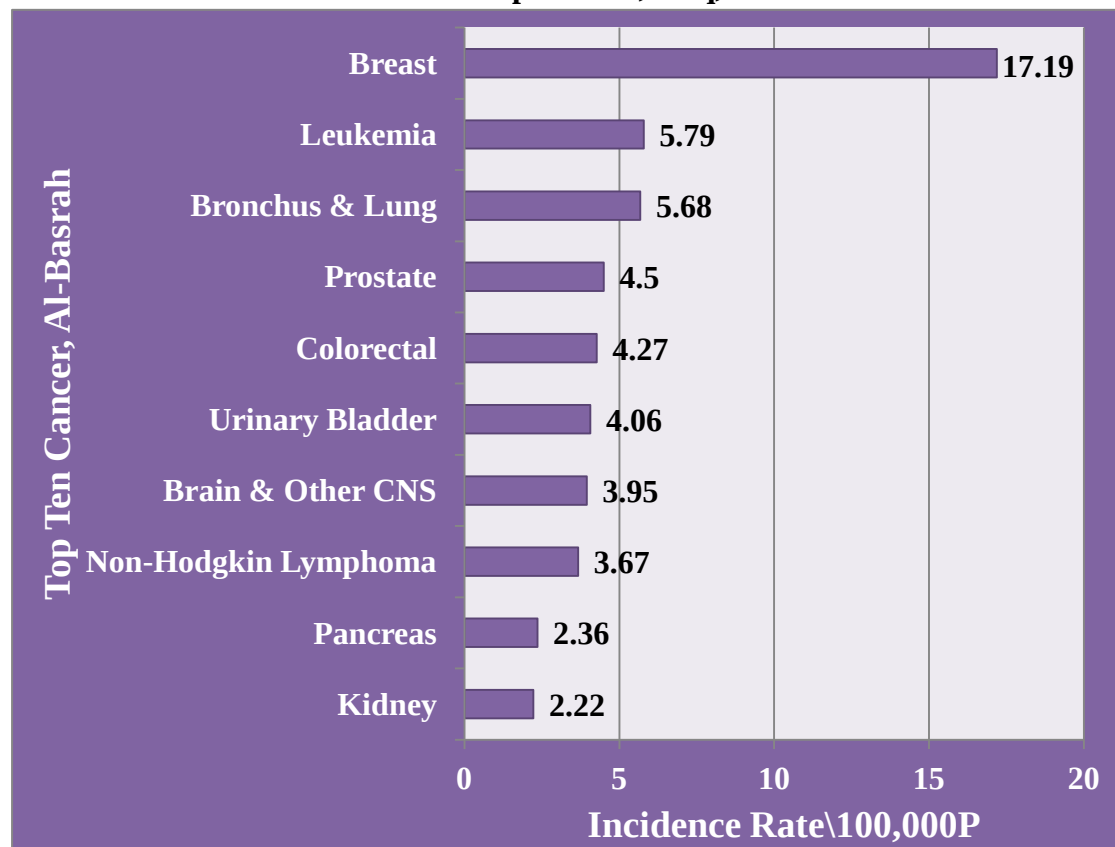


Table No.; (41) Distribution of Top Ten Cancer in Males, Al-Basrah, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	112	11.78
Urinary Bladder	87	9.15
Leukemia	86	9.04
Colorectal	71	7.47
Prostate	64	6.73
Brain & other CNS Tumor	56	5.89
Non-Hodgkin Lymphoma	49	5.15
Kidney	43	4.52
Pancreas	33	3.47
Stomach	33	3.47
Other Site	317	33.33
Total	951	100.00%

Figure No.; (30) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Al-Basrah, Iraq, 2017

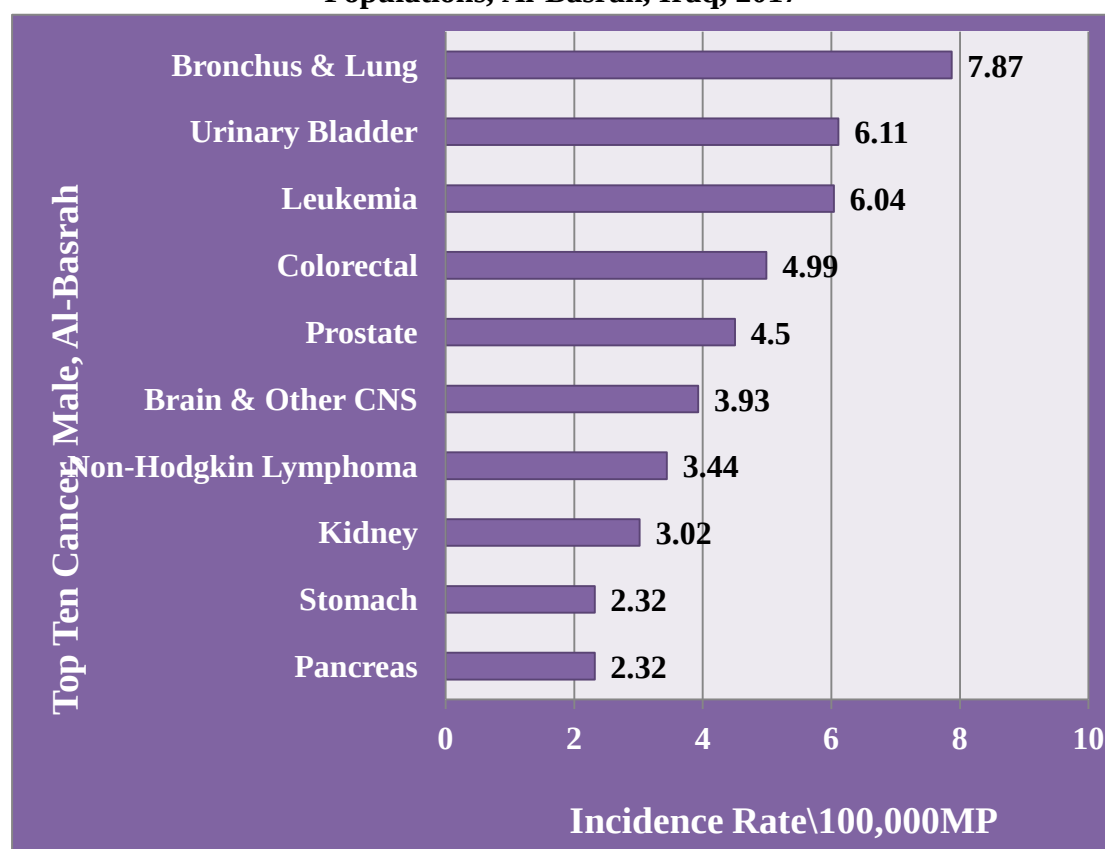


Table No.; (42) Distribution of Top Ten Cancer in Females, Al-Basrah, Iraq, 2017

Top Ten	No.	%
Breast	477	38.37
Leukemia	78	6.28
Ovary	61	4.91
Brain & other CNS Tumor	56	4.51
Non-Hodgkin Lymphoma	55	4.42
Colorectal	50	4.02
Bronchus & Lung	49	3.94
Pancreas	34	2.74
Thyroid Gland	34	2.74
Uterus Unspecified	34	2.74
Other Site	315	25.34
Total	1,243	100.00%

Figure No.; (31) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Al-Basrah, Iraq, 2017

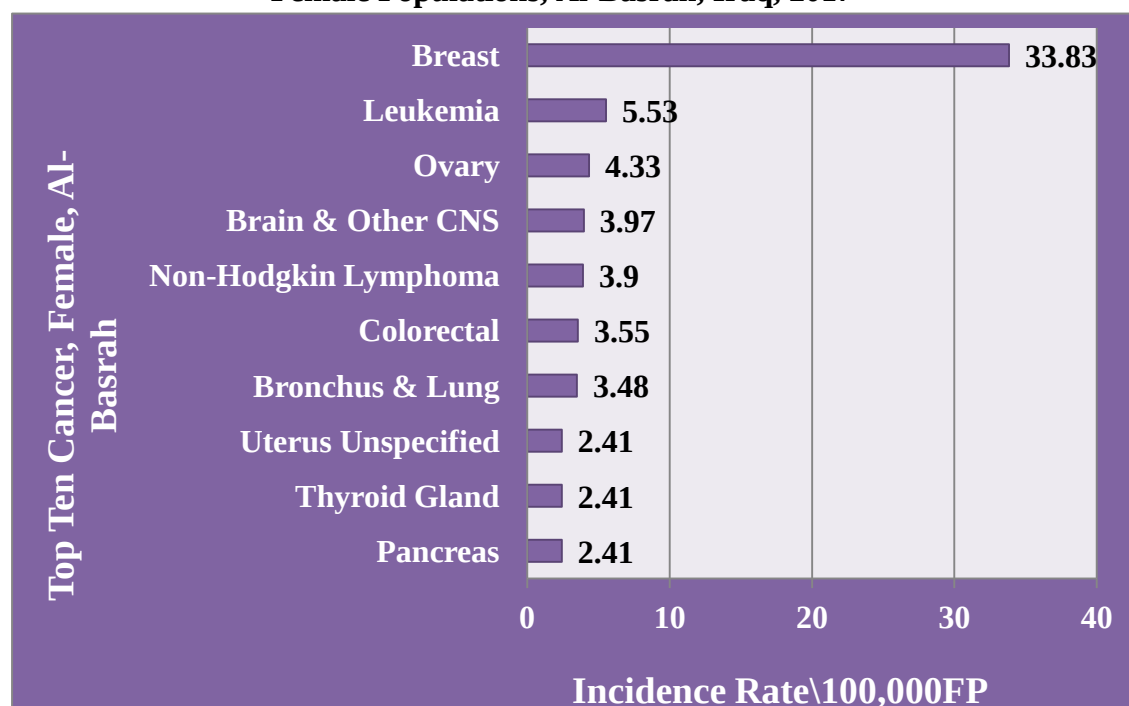
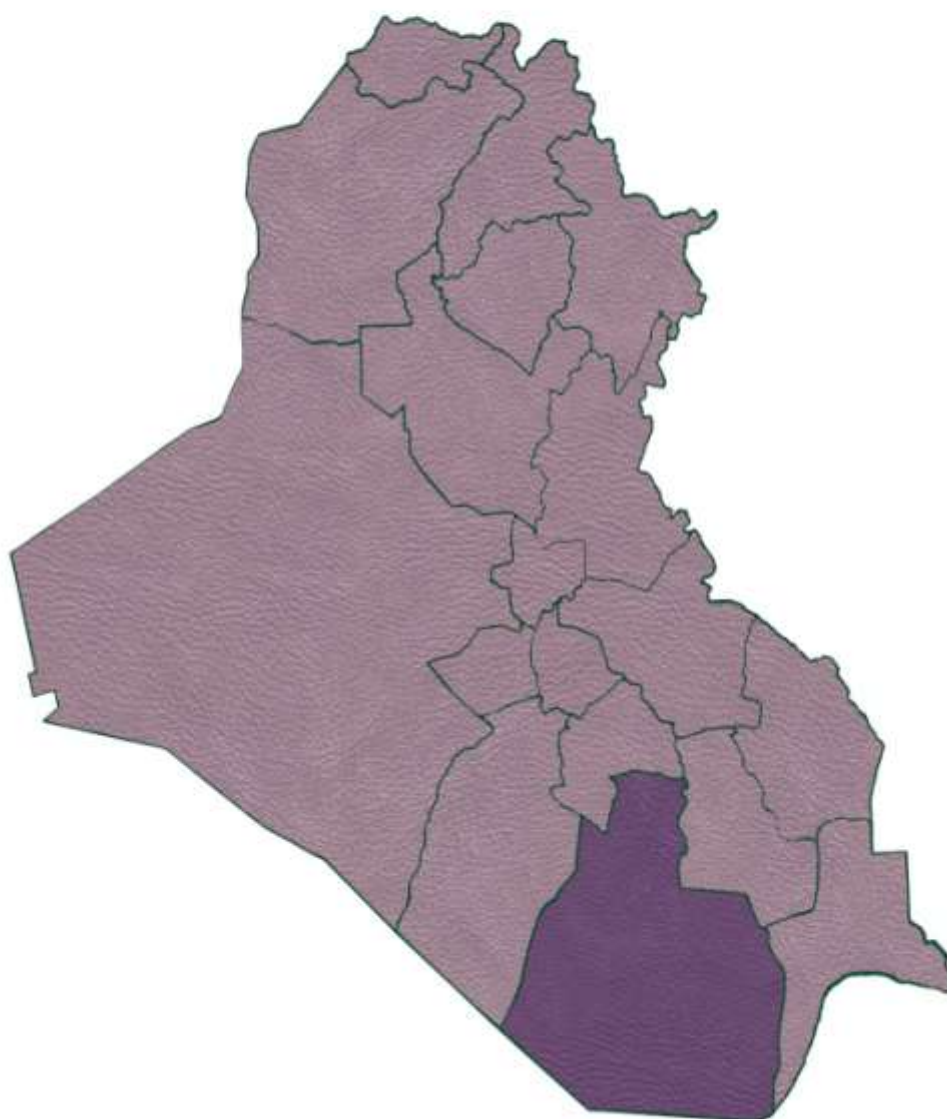


Table No.; (43) Number and Incidence Rate of Top Ten Cancer by Districts in Al-Basrah \100,000 Al-Basrah Populations, Iraq, 2017

Top Ten	Abu Alkhasseb		Al Basrah		Al Qoorna		Al Zubair		Alfaw		Almdainah		Shatt Alarab		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Brain & other CNS Tumor	13	5.97	59	4.22	10	3.59	18	3.61	3	7.29	5	2.19	4	2.35	112	3.95
Breast	33	15.14	309	22.08	30	10.76	71	14.26	6	14.58	16	7.00	22	12.95	487	17.19
Bronchus & Lung	10	4.59	86	6.15	14	5.02	33	6.63	1	2.43	6	2.62	11	6.48	161	5.68
Colorectal	9	4.13	77	5.50	4	1.44	20	4.02	3	7.29	5	2.19	3	1.77	121	4.27
Kidney	5	2.29	37	2.64	3	1.08	9	1.81	1	2.43	5	2.19	3	1.77	63	2.22
Leukemia	14	6.43	92	6.58	10	3.59	28	5.62	2	4.86	11	4.81	7	4.12	164	5.79
Non-Hodgkin Lymphoma	3	1.38	63	4.50	8	2.87	15	3.01	2	4.86	6	2.62	7	4.12	104	3.67
Pancreas	5	2.29	39	2.79	2	0.72	10	2.01	1	2.43	4	1.75	6	3.53	67	2.36
Prostate	4	1.84	39	2.79	3	1.08	9	1.81	0	0.00	3	1.31	6	3.53	64	2.26
Urinary Bladder	6	2.75	77	5.50	7	2.51	16	3.21	1	2.43	5	2.19	3	1.77	115	4.06
Total	102	46.81	878	62.75	91	32.65	229	45.98	20	48.59	66	28.87	72	42.39	1458	51.46

Al-Muthana
Populations Number : 793,343
Cancer Cases Number :582
Incidence Rate: 73.36/100,000 Al-Muthana Populations



3.4.7. Al-Muthana governorate

Table No.; (44) Distribution of Top Ten Cancer in Al-Muthana, Iraq, 2017

Top Ten	No.	%
Breast	88	15.12
Bronchus & Lung	78	13.40
Brain & other CNS Tumor	59	10.14
Urinary Bladder	54	9.28
Leukemia	40	6.87
Colorectal	32	5.50
Thyroid Gland	24	4.12
Non-Hodgkin Lymphoma	23	3.95
Kidney	20	3.44
Ovary	17	2.92
Other Site	147	25.26
Total	582	100.00%

**Figure No.; (32) Incidence Rate of Top Ten Cancer in Al-Muthana \100,000
Al-Muthana Populations, Iraq, 2017**

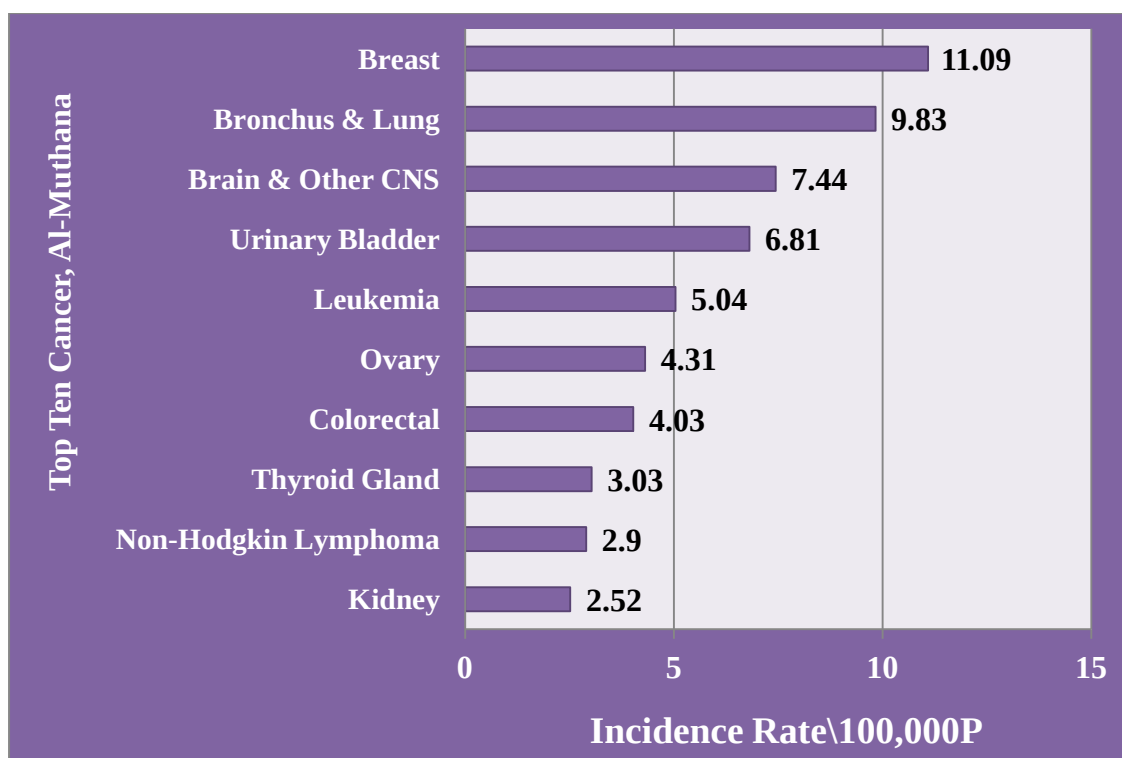


Table No.; (45) Distribution of Top Ten Cancer in Males, Al-Muthana, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	53	21.12
Urinary Bladder	39	15.54
Brain & other CNS Tumor	26	10.36
Leukemia	21	8.37
Colorectal	18	7.17
Non-Hodgkin Lymphoma	12	4.78
Kidney	10	3.98
Pancreas	10	3.98
Prostate	9	3.59
Skin	8	3.19
Other Site	45	17.93
Total	251	100.00%

Figure No.; (33) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Al-Muthana, Iraq, 2017

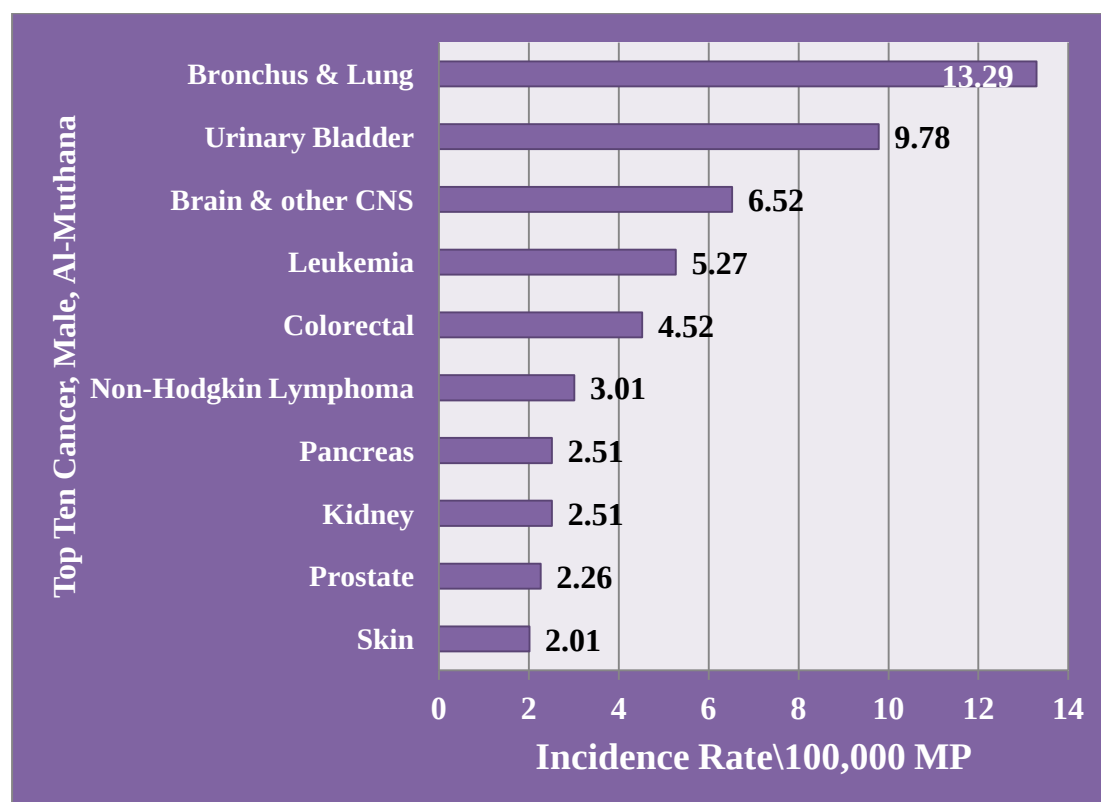


Table No.; (46) Distribution of Top Ten Cancer in Females, Al-Muthana, Iraq, 2017

Top Ten	No.	%
Breast	88	26.59
Brain & other CNS Tumor	33	9.97
Bronchus & Lung	25	7.55
Thyroid Gland	20	6.04
Leukemia	19	5.74
Ovary	17	5.14
Urinary Bladder	15	4.53
Colorectal	14	4.23
Non-Hodgkin Lymphoma	11	3.32
Kidney	10	3.02
Other Site	79	23.87
Total	331	100.00%

Figure No.; (34) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Al-Muthana, Iraq, 2017

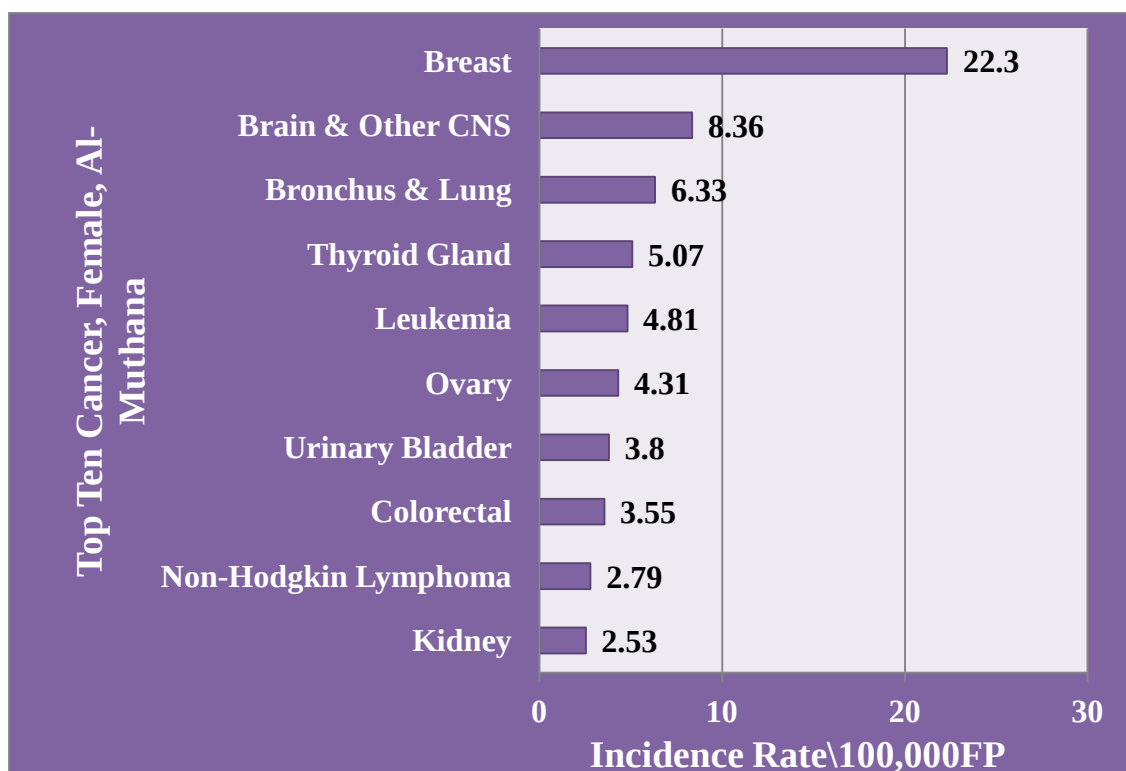


Table No.; (47) Number and Incidence Rate of Top Ten Cancer by Districts in Al-Muthana \100,000 Al-Muthana Populations, Iraq, 2017

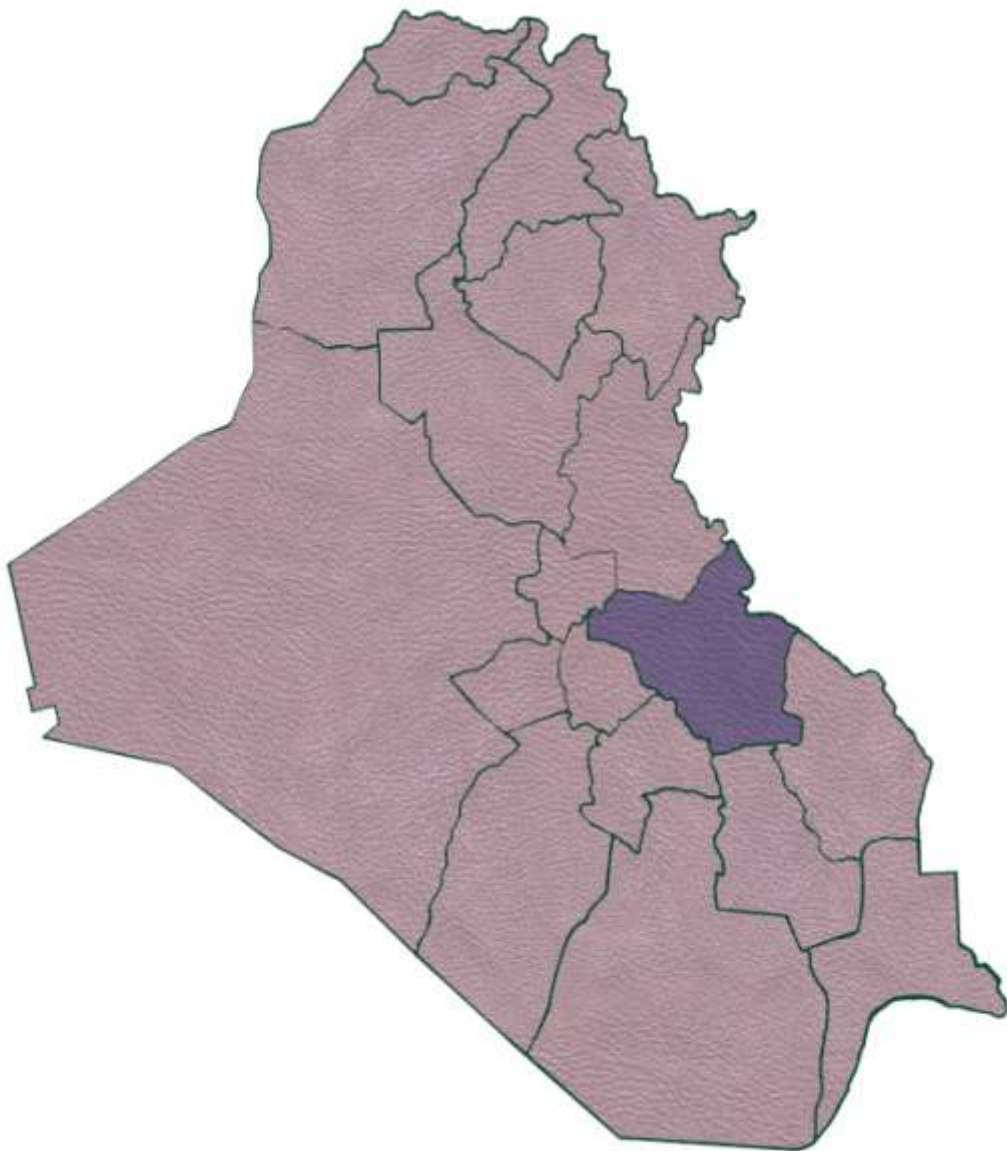
Top Ten	Al Khidhir		Al Rumaitha		Al Salman		Al Samawa		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	6	5.51	26	10.98	0	0.00	56	16.49	88	11.09
Bronchus & Lung	8	7.34	24	10.14	0	0.00	46	13.55	78	9.83
Brain & other CNS Tumor	0	0.00	25	10.56	1	9.27	33	9.72	59	7.44
Urinary Bladder	9	8.26	12	5.07	0	0.00	33	9.72	54	6.81
Leukemia	4	3.67	17	7.18	2	18.55	17	5.01	40	5.04
Colorectal	1	0.92	9	3.80	1	9.27	21	6.18	32	4.03
Thyroid Gland	2	1.84	3	1.27	0	0.00	19	5.60	24	3.03
Non-Hodgkin Lymphoma	1	0.92	8	3.38	0	0.00	14	4.12	23	2.90
Kidney	3	2.75	5	2.11	0	0.00	12	3.53	20	2.52
Ovary	2	1.84	8	3.38	0	0.00	7	2.06	17	2.14
Total	36	33.05	137	57.86	4	37.09	258	75.98	435	54.83

Wasit

Populations Number : 1,343,125

Cancer Cases Number :957

Incidence Rate : 71.25/100,000 Wasit Populations



3.4.8. Wasit governorate

Table No.; (48) Distribution of Top Ten Cancer in Wasit, Iraq, 2017

Top Ten	No.	%
Breast	170	17.76
Bronchus & Lung	76	7.94
Urinary Bladder	69	7.21
Leukemia	68	7.11
Brain & other CNS Tumor	60	6.27
Non-Hodgkin Lymphoma	52	5.43
Colorectal	49	5.12
Thyroid Gland	41	4.28
Liver	33	3.45
Skin	30	3.13
Other Site	309	32.29
Total	957	100.00%

Figure No.; (35) Incidence Rate of Top Ten Cancer in Wasit \100,000 Wasit Populations, Iraq, 2017

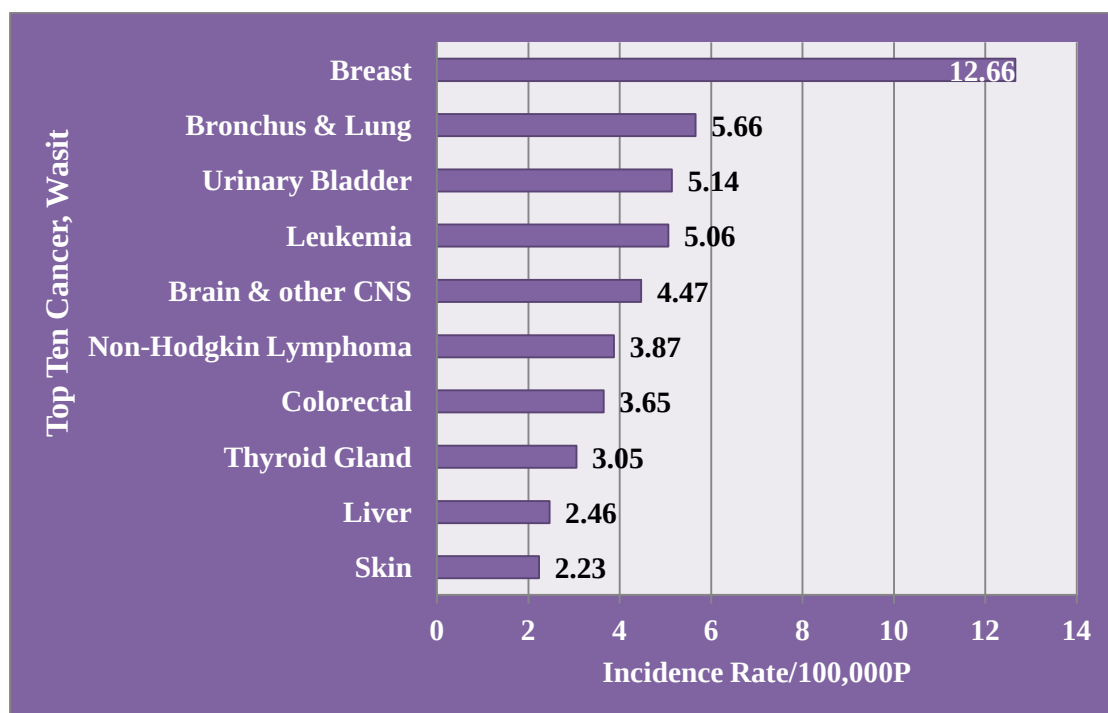


Table No.; (49) Distribution of Top Ten Cancer in Males, Wasit, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	50	11.52
Urinary Bladder	49	11.29
Non-Hodgkin Lymphoma	33	7.60
Brain & other CNS Tumor	30	6.91
Leukemia	30	6.91
Colorectal	28	6.45
Prostate	20	4.61
Stomach	19	4.38
Skin	18	4.15
Larynx	17	3.92
Other Site	140	32.26
Total	434	100.00%

Figure No.; (36) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Wasit, Iraq, 2017

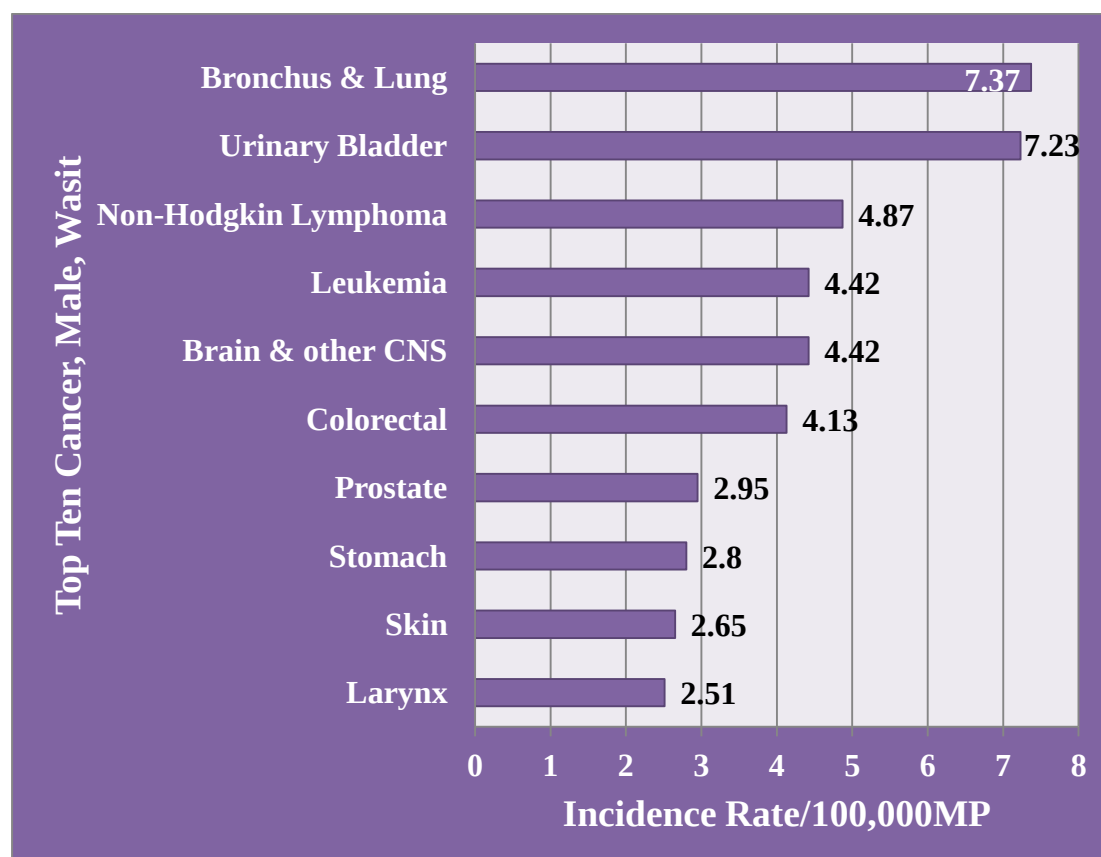


Table No.; (50) Distribution of Top Ten Cancer in Females, Wasit, Iraq, 2017

Top Ten	No.	%
Breast	166	31.74
Leukemia	38	7.27
Brain & other CNS Tumor	30	5.74
Thyroid Gland	29	5.54
Bronchus & Lung	26	4.97
Ovary	25	4.78
Colorectal	21	4.02
Urinary Bladder	20	3.82
Non-Hodgkin Lymphoma	19	3.63
Liver	16	3.06
Other Site	133	25.43
Total	523	100.00%

Figure No.; (37) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Wasit, Iraq, 2017

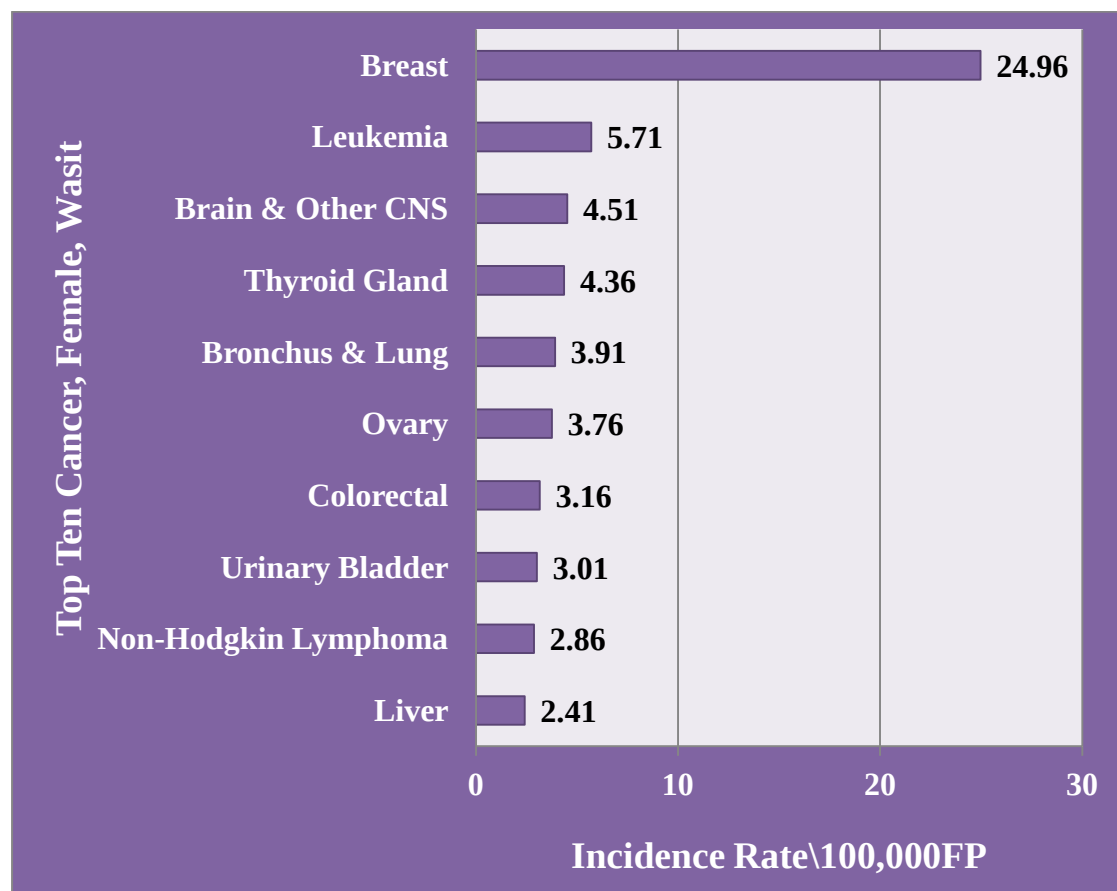
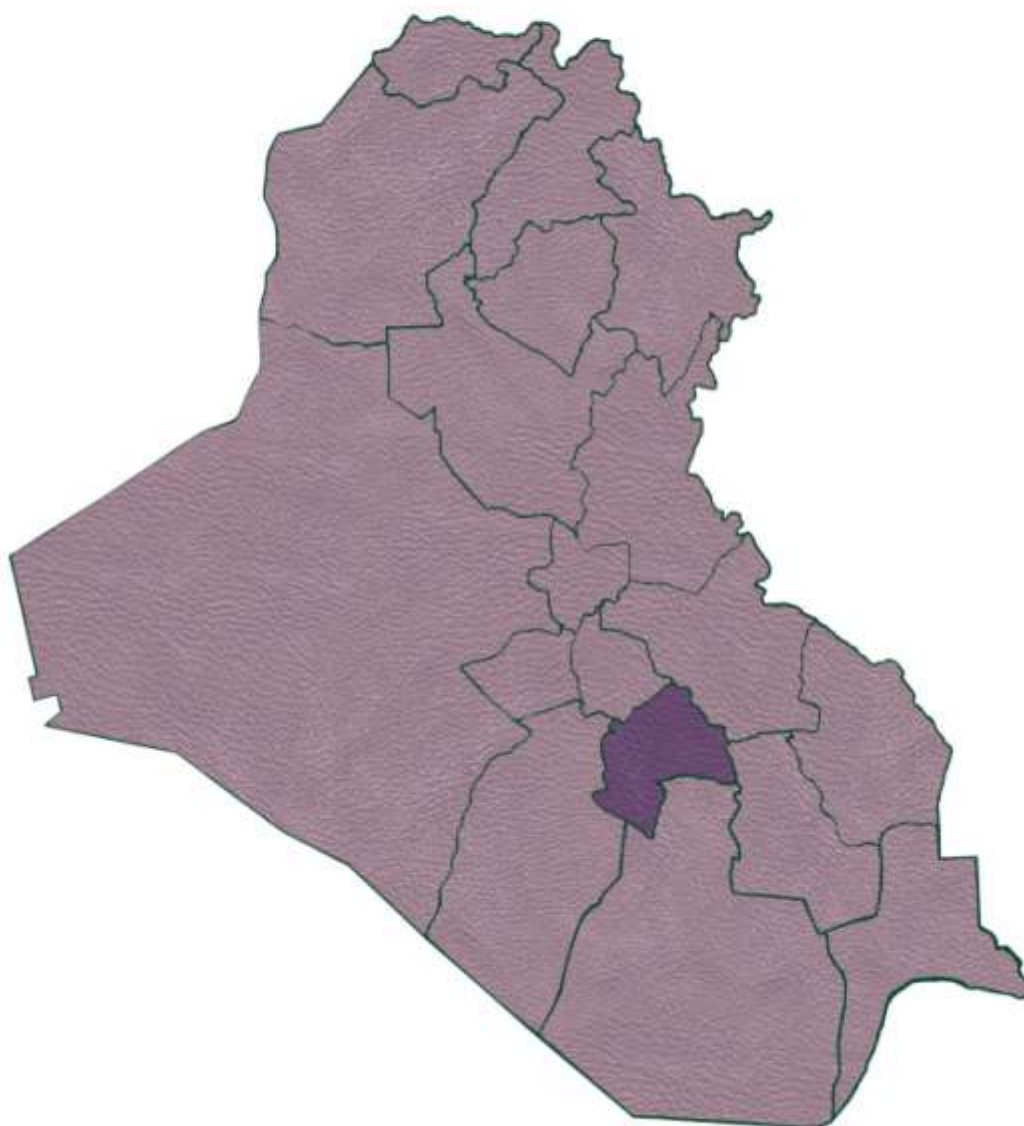


Table No.; (51) Number and Incidence Rate of Top Ten Cancer by Districts in Wasit \100,000 Wasit Populations, Iraq, 2017

Top Ten	Al Aziziya		Al Hay		Al Kut		Al Numaniah		Al Suarrah		Badra		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	8	3.95	10	5.46	118	22.36	8	4.79	23	9.81	3	10.65	170	12.66
Bronchus & Lung	5	2.47	11	6.01	40	7.58	7	4.19	12	5.12	1	3.55	76	5.66
Urinary Bladder	6	2.96	6	3.28	35	6.63	5	2.99	14	5.97	3	10.65	69	5.14
Leukemia	2	0.99	7	3.82	44	8.34	4	2.39	10	4.27	1	3.55	68	5.06
Brain & other CNS Tumor	8	3.95	3	1.64	37	7.01	5	2.99	7	2.99	0	0.00	60	4.47
Non-Hodgkin Lymphoma	2	0.99	6	3.28	29	5.50	3	1.80	8	3.41	4	14.20	52	3.87
Colorectal	2	0.99	1	0.55	34	6.44	8	4.79	3	1.28	1	3.55	49	3.65
Thyroid Gland	4	1.97	8	4.37	18	3.41	1	0.60	10	4.27	0	0.00	41	3.05
Liver	5	2.47	1	0.55	21	3.98	2	1.20	4	1.71	0	0.00	33	2.46
Skin, Other	0	0.00	2	1.09	21	3.98	2	1.20	4	1.71	1	3.55	30	2.23
Total	42	20.72	55	30.04	397	75.24	45	26.94	95	40.52	14	49.70	648	48.25

Al-Diwanyia
Populations Number : 1,257,689
Cancer Cases Number :891
Incidence Rate: 70.84/100,000 Al-Diwanyia Populations



3.4.9. Al-Diwanyia governorate

Table No.; (52) Distribution of Top Ten Cancer in Al-Diwanyia, Iraq, 2017

Top Ten	No.	%
Breast	121	13.58
Bronchus & Lung	93	10.44
Non-Hodgkin Lymphoma	74	8.31
Leukemia	71	7.97
Urinary Bladder	59	6.62
Thyroid Gland	49	5.50
Colorectal	40	4.49
Brain & other CNS Tumor	38	4.26
Uterus Unspecified	32	3.59
Skin	27	3.03
Other Site	287	32.21
Total	891	100%

**Figure No.; (38) Incidence Rate of Top Ten Cancer in Al-Diwanyia \100,000
Al-Diwanyia Populations, Iraq, 2017**

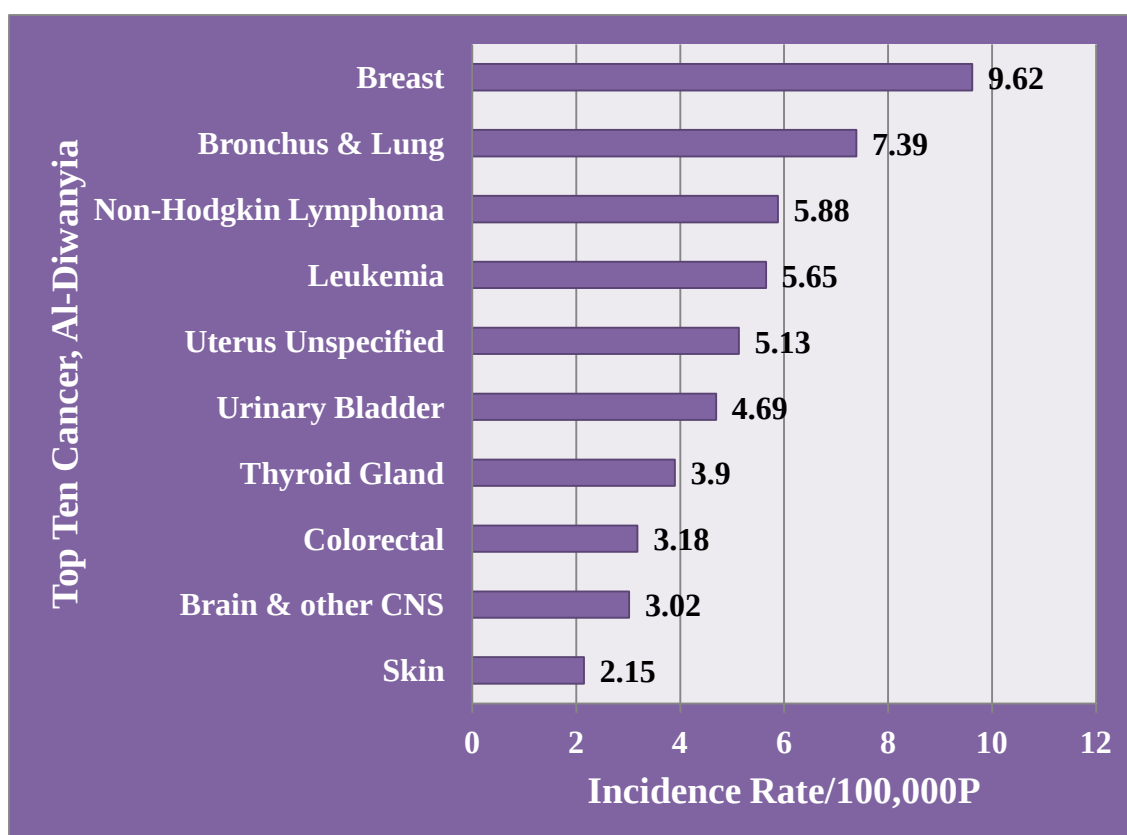


Table No.; (53) Distribution of Top Ten Cancer in Males, Al-Diwanyia, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	57	14.84
Urinary Bladder	46	11.98
Leukemia	37	9.64
Non-Hodgkin Lymphoma	30	7.81
Colorectal	24	6.25
Prostate	24	6.25
Brain & other CNS Tumor	21	5.47
Larynx	21	5.47
Thyroid Gland	15	3.91
Skin	13	3.39
Other Site	96	25.00
Total	384	100.00%

Figure No.; (39) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Al-Diwanyia, Iraq, 2017

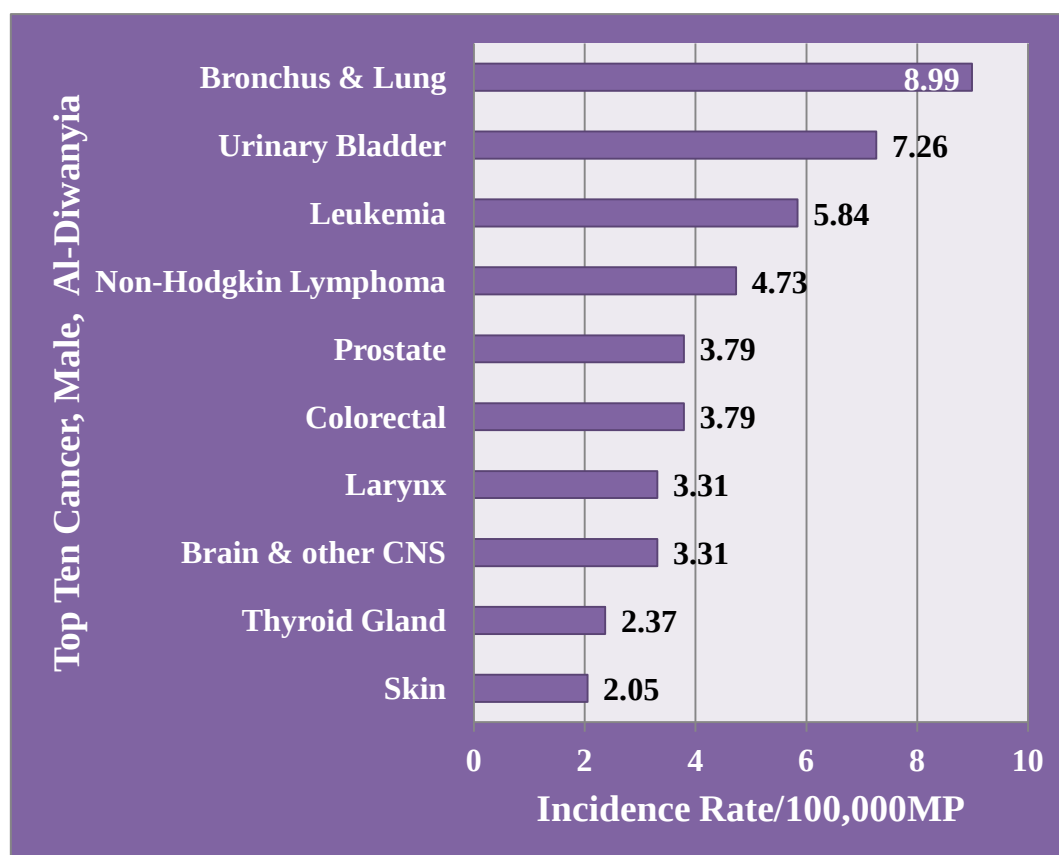
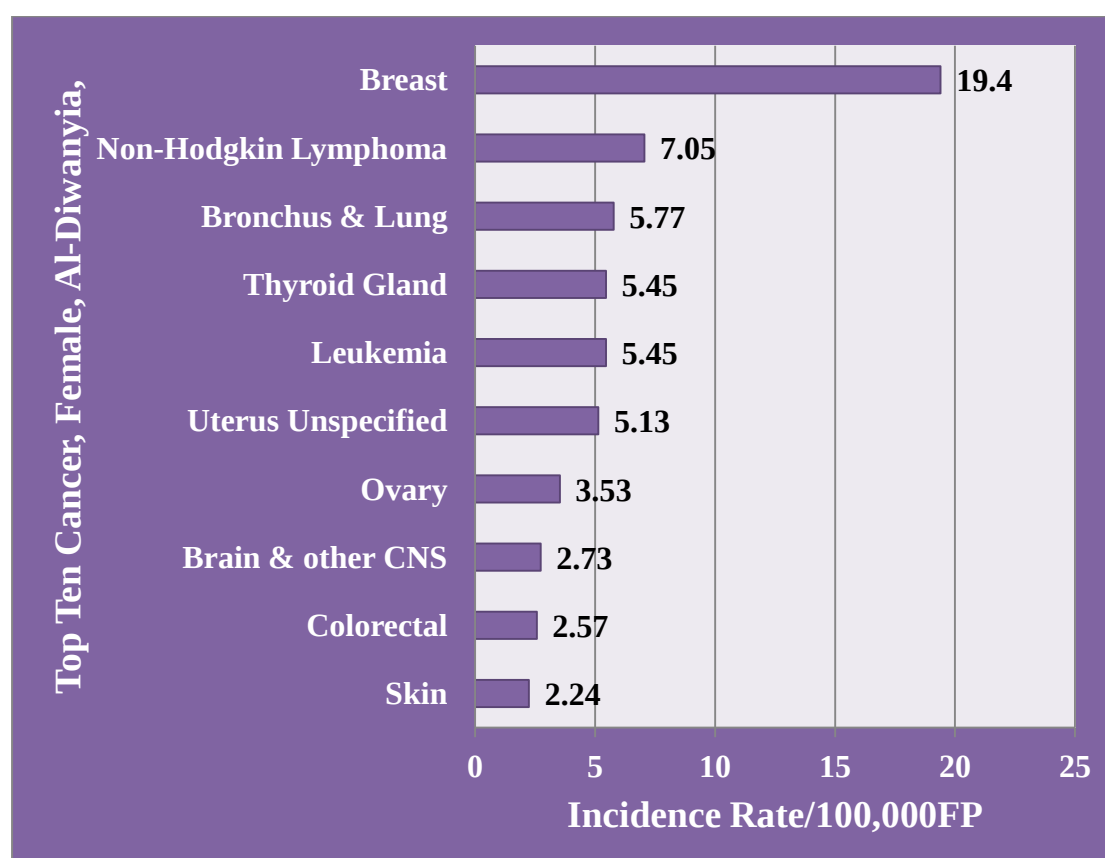


Table No.; (54) Distribution of Top Ten Cancer in Females, Al-Diwanyia, Iraq, 2017

Top Ten	No.	%
Breast	121	23.87
Non-Hodgkin Lymphoma	44	8.68
Bronchus & Lung	36	7.10
Leukemia	34	6.71
Thyroid Gland	34	6.71
Uterus Unspecified	32	6.31
Ovary	22	4.34
Brain & other CNS Tumor	17	3.35
Colorectal	16	3.16
Skin	14	2.76
Other Site	137	27.02
Total	507	100.00%

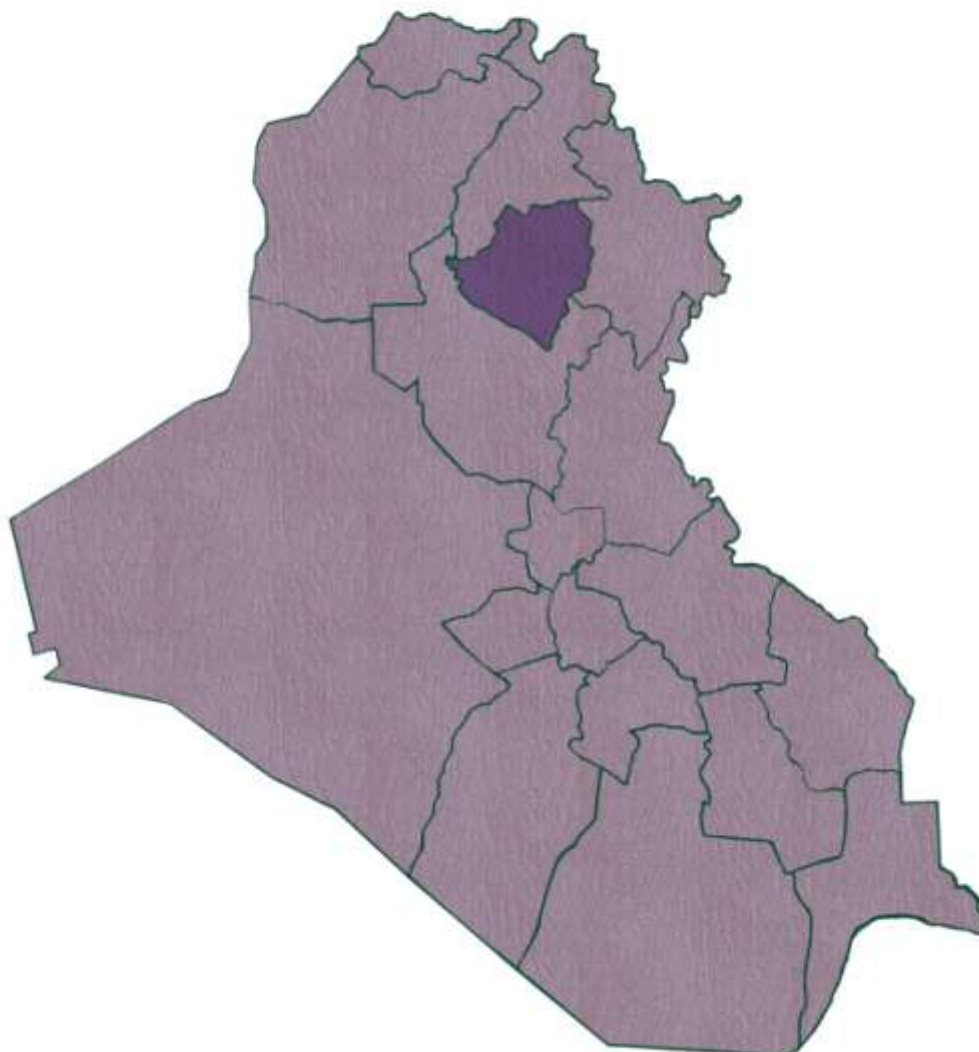
Figure No.; (40) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Al-Diwanyia, Iraq, 2017



**Table No.; (55) Number and Incidence Rate of Top Ten Cancer by Districts in Al-Diwanyia \100,000 Al-Diwanyia Populations,
Iraq, 2017**

Top Ten	Affak		Al Diwanyia		Al Hamza		Al Shamiah		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	12	6.83	85	14.48	9	3.93	15	5.64	121	9.62
Bronchus & Lung	4	2.28	59	10.05	12	5.24	18	6.76	93	7.39
Non-Hodgkin Lymphoma	7	3.98	47	8.01	13	5.68	7	2.63	74	5.88
Leukemia	8	4.55	42	7.16	12	5.24	9	3.38	71	5.65
Urinary Bladder	10	5.69	36	6.13	6	2.62	7	2.63	59	4.69
Thyroid Gland	4	2.28	37	6.30	3	1.31	5	1.88	49	3.90
Colorectal	1	0.57	24	4.09	8	3.50	7	2.63	40	3.18
Brain & other CNS Tumor	5	2.84	23	3.92	5	2.18	5	1.88	38	3.02
Uterus Unspecified	4	2.28	20	3.41	4	1.75	4	1.50	32	2.54
Skin	5	2.84	13	2.22	6	2.62	3	1.13	27	2.15
Total	60	34.13	386	65.77	78	34.08	80	30.06	604	48.02

Kirkuk
Populations Number : 1,556,618
Cancer Cases Number : 1,097
Incidence Rate:70.47/100,000 Kirkuk Populations



3.4.10. Kirkuk governorate

Table No.; (56) Distribution of Top Ten Cancer in Kirkuk, Iraq, 2017

Top Ten	No.	%
Breast	261	23.79
Colorectal	74	6.75
Leukemia	74	6.75
Bronchus & Lung	60	5.47
Urinary Bladder	57	5.20
Skin	54	4.92
Non-Hodgkin Lymphoma	48	4.38
Prostate	42	3.83
Brain & other CNS Tumor	41	3.74
Thyroid Gland	34	3.10
Other Site	352	32.09
Total	1,097	100.00%

Figure No.; (41) Incidence Rate of Top Ten Cancer in Kirkuk \100,000 Kirkuk Populations, Iraq, 2017

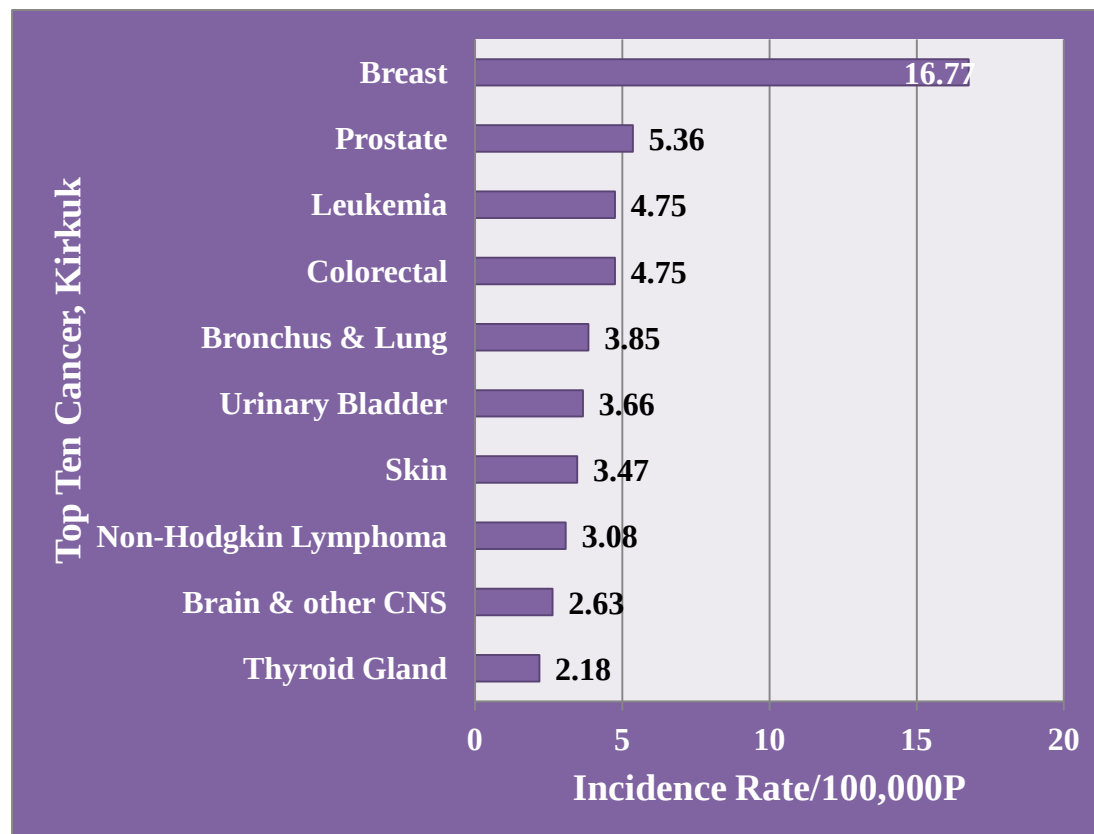


Table No.; (57) Distribution of Top Ten Cancer in Males, Kirkuk, Iraq, 2017

Top Ten	No.	%
Urinary Bladder	45	10.32
Bronchus & Lung	44	10.09
Prostate	42	9.63
Leukemia	35	8.03
Skin	30	6.88
Non-Hodgkin Lymphoma	29	6.65
Colorectal	25	5.73
Brain & other CNS Tumor	23	5.28
Kidney	22	5.05
Stomach	14	3.21
Other Site	127	29.13
Total	436	100.00%

Figure No.; (42) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Kirkuk, Iraq, 2017

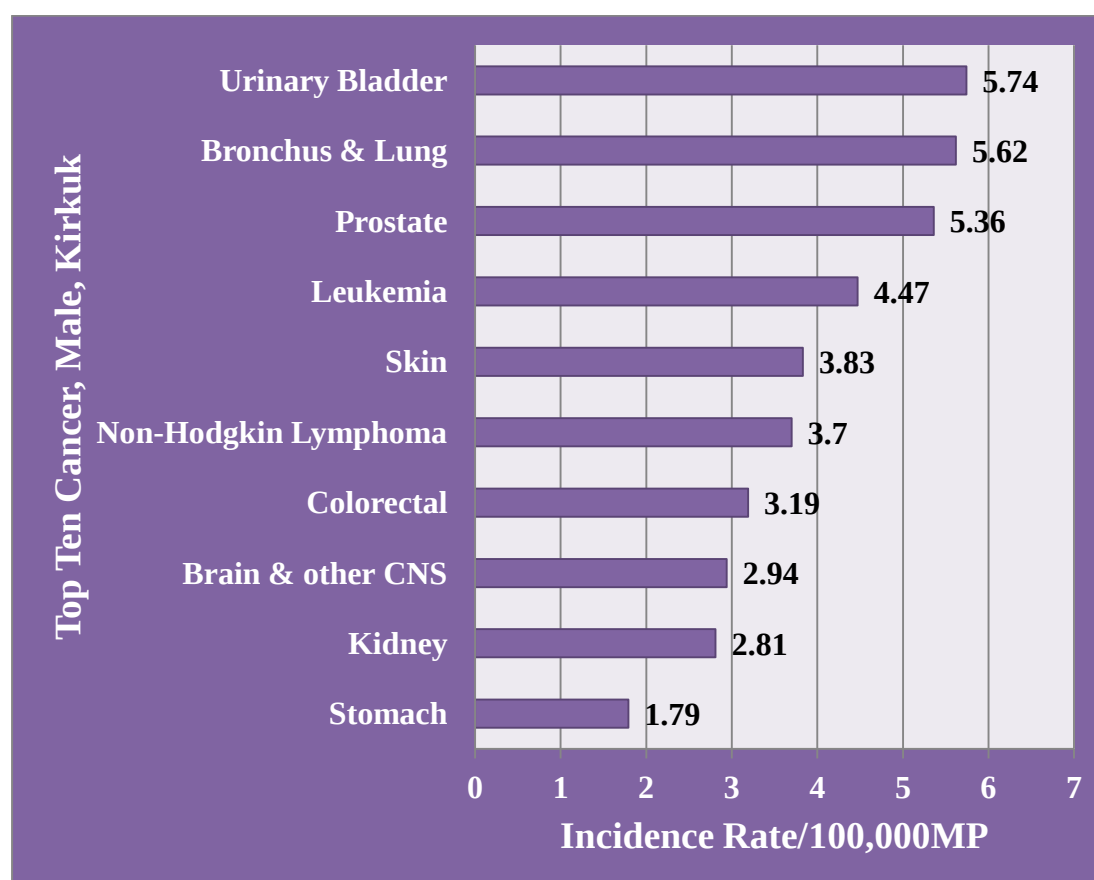


Table No.; (58) Distribution of Top Ten Cancer in Females, Kirkuk, Iraq, 2017

Top Ten	No.	%
Breast	253	38.28
Colorectal	49	7.41
Leukemia	39	5.90
Thyroid Gland	28	4.24
Uterus Unspecified	27	4.08
Ovary	24	3.63
Skin	24	3.63
Non-Hodgkin Lymphoma	19	2.87
Brain & other CNS Tumor	18	2.72
Bronchus & Lung	16	2.42
Other Site	164	24.81
Total	661	100.00%

Figure No.; (43) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Kirkuk, Iraq, 2017

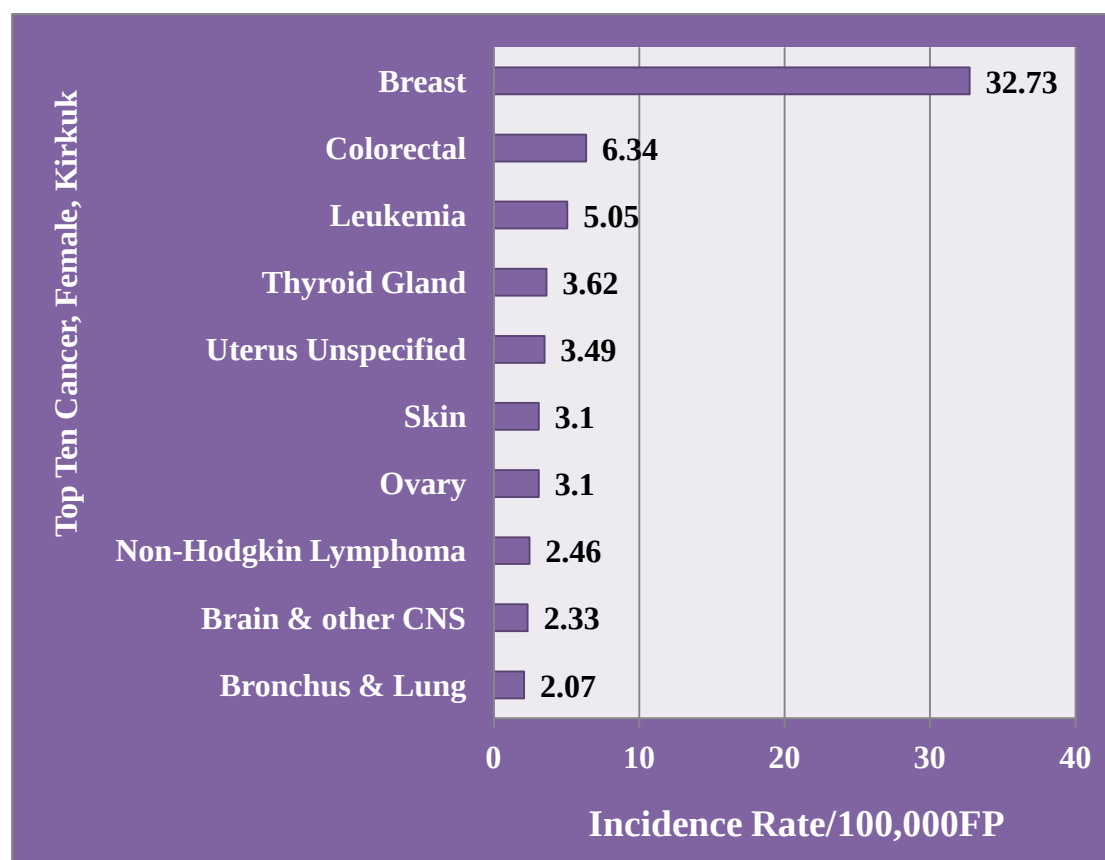
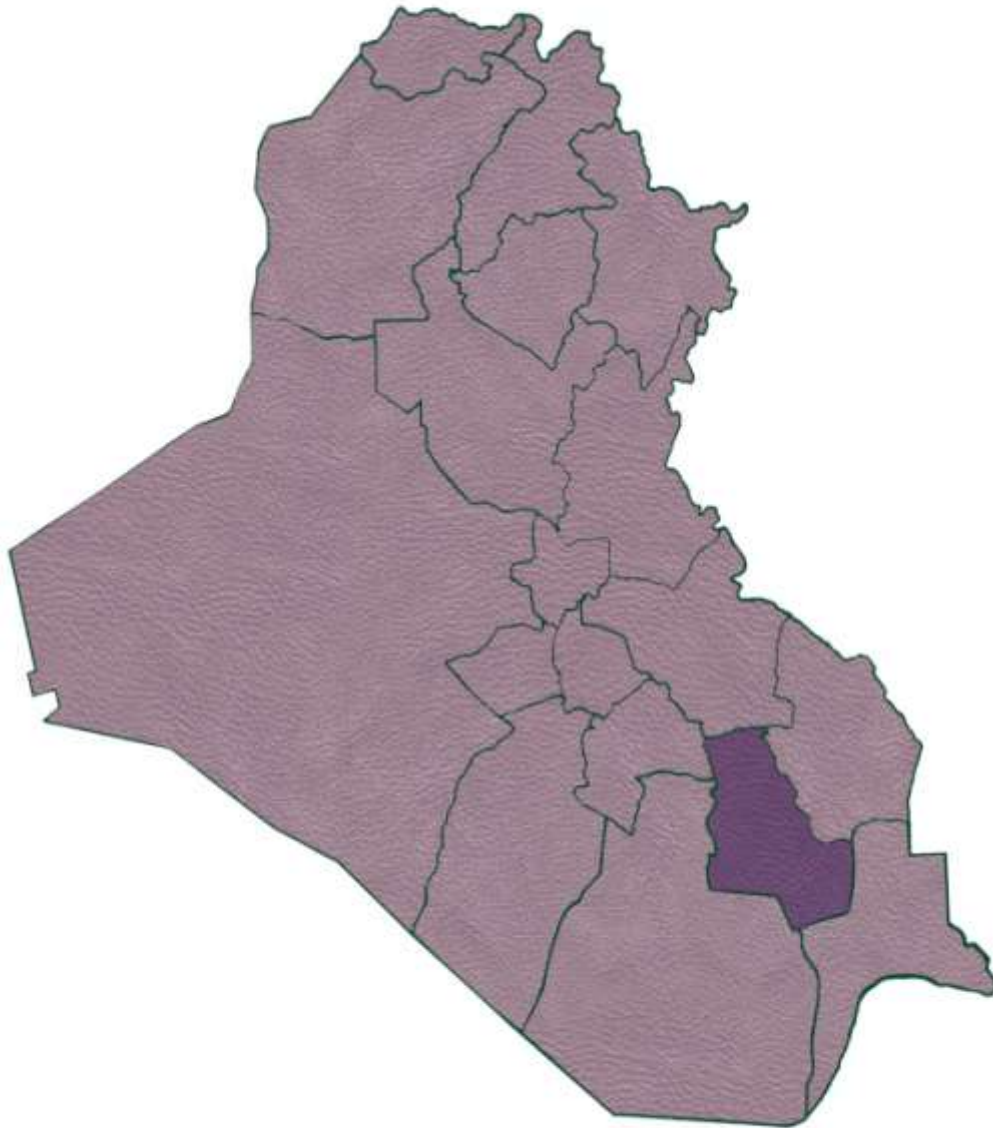


Table No.; (59) Number and Incidence Rate of Top Ten Cancer by Districts in Kirkuk \100,000 Kirkuk Populations, Iraq, 2017

Top Ten	Al Hawija		Dakook		Dibis		Kirkuk		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	18	6.30	9	9.71	4	5.80	230	20.73	261	16.77
Colorectal	6	2.10	1	1.08	3	4.35	64	5.77	74	4.75
Leukemia	7	2.45	1	1.08	2	2.90	64	5.77	74	4.75
Bronchus & Lung	3	1.05	4	4.32	1	1.45	52	4.69	60	3.85
Urinary Bladder	1	0.35	1	1.08	2	2.90	53	4.78	57	3.66
Skin	2	0.70	0	0.00	3	4.35	49	4.42	54	3.47
Non-Hodgkin Lymphoma	5	1.75	1	1.08	1	1.45	41	3.70	48	3.08
Prostate	1	0.35	0	0.00	0	0.00	41	3.70	42	2.70
Brain & other CNS Tumor	2	0.70	2	2.16	1	1.45	36	3.25	41	2.63
Thyroid Gland	0	0.00	0	0.00	0	0.00	34	3.06	34	2.18
Total	45	15.75	19	20.51	17	24.66	664	59.86	745	47.86

ThiQar
Populations Number : 2,041,066
Cancer Cases Number :1,435
Incidence Rate: 70.31/100,000 ThiQar Populations



3.4.11. ThiQar governorate

Table No.; (60) Distribution of Top Ten Cancer in ThiQar, Iraq, 2017

Top Ten	No.	%
Breast	205	14.29
Bronchus & Lung	177	12.33
Urinary Bladder	95	6.62
Leukemia	90	6.27
Brain & other CNS Tumor	84	5.85
Thyroid Gland	72	5.02
Colorectal	68	4.74
Hodgkin Lymphoma	60	4.18
Non-Hodgkin Lymphoma	60	4.18
Unknown Primary Site	54	3.76
Other Site	470	32.75
Total	1,435	100.00%

**Figure No.; (44) Incidence Rate of Top Ten Cancer in ThiQar \100,000
ThiQar Populations, Iraq, 2017**

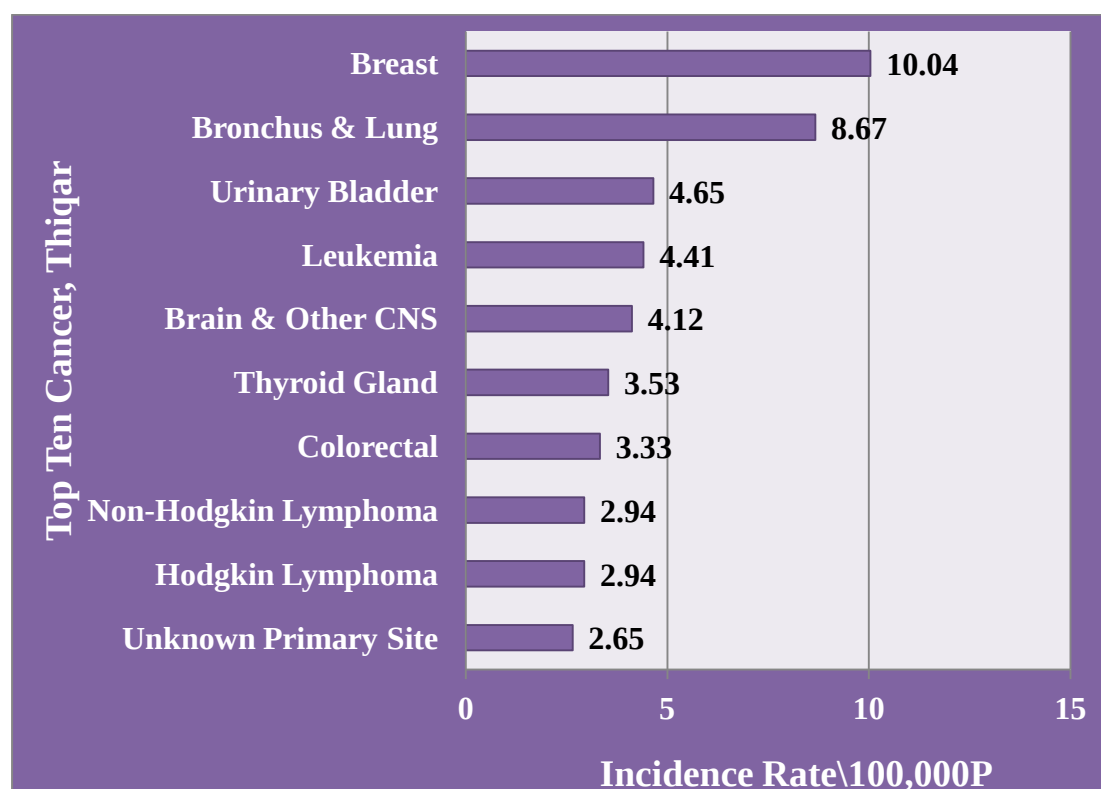


Table No.; (61) Distribution of Top Ten Cancer in Males, ThiQar, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	112	16.89
Urinary Bladder	59	8.90
Leukemia	51	7.69
Brain & other CNS Tumor	46	6.94
Colorectal	40	6.03
Hodgkin Lymphoma	40	6.03
Non-Hodgkin Lymphoma	32	4.83
Pancreas	29	4.37
Prostate	28	4.22
Unknown Primary Site	26	3.92
Other Site	200	30.17
Total	663	100.00%

Figure No.; (45) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, ThiQar, Iraq, 2017

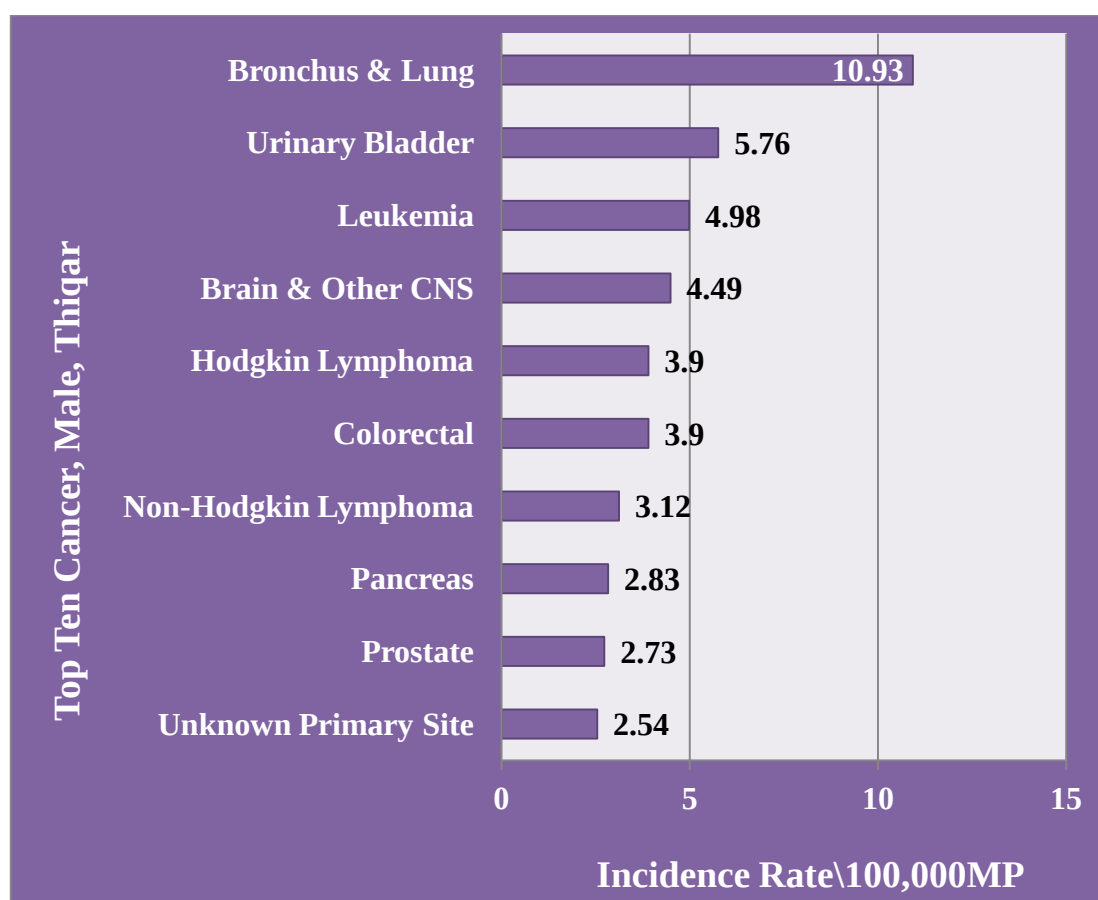


Table No.; (62) Distribution of Top Ten Cancer in Females, ThiQar, Iraq, 2017

Top Ten	No.	%
Breast	200	25.91
Bronchus & Lung	65	8.42
Thyroid Gland	55	7.12
Leukemia	39	5.05
Brain & other CNS Tumor	38	4.92
Urinary Bladder	36	4.66
Ovary	31	4.02
Colorectal	28	3.63
Non-Hodgkin Lymphoma	28	3.63
Unknown Primary Site	28	3.63
Other Site	224	29.02
Total	772	100.00 %

Figure No.; (46) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, ThiQar, Iraq, 2017

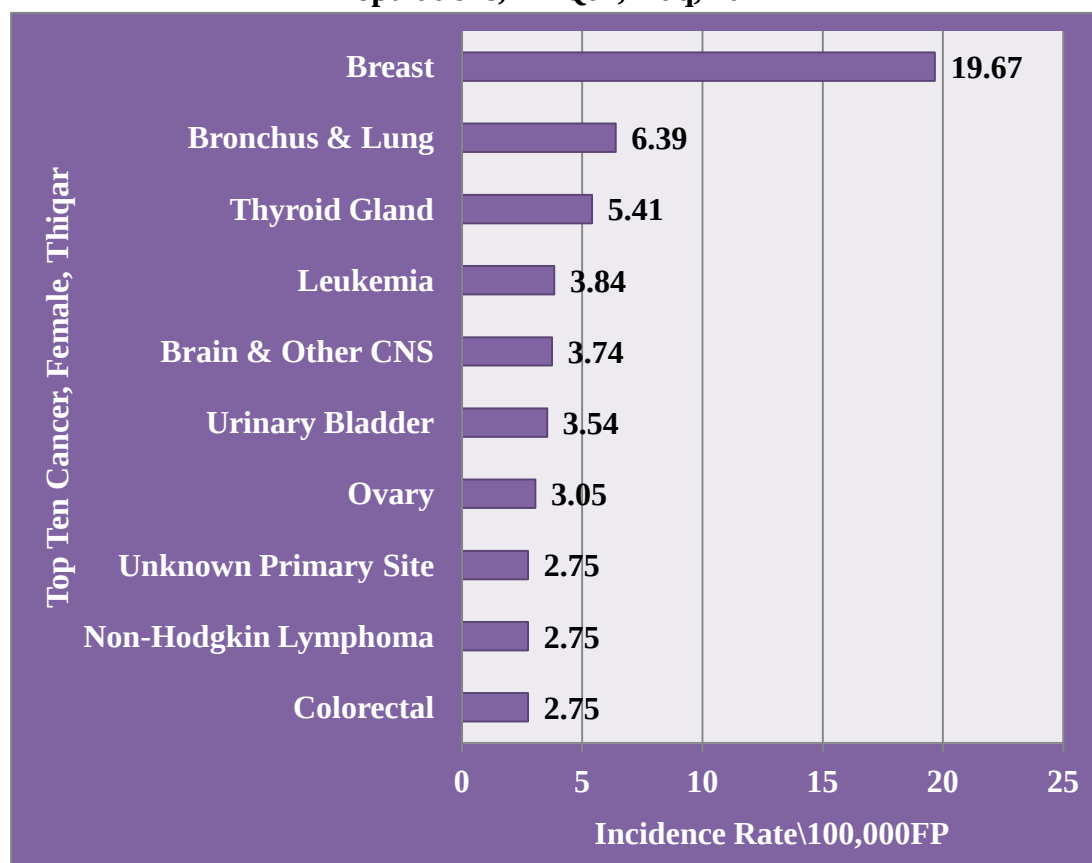
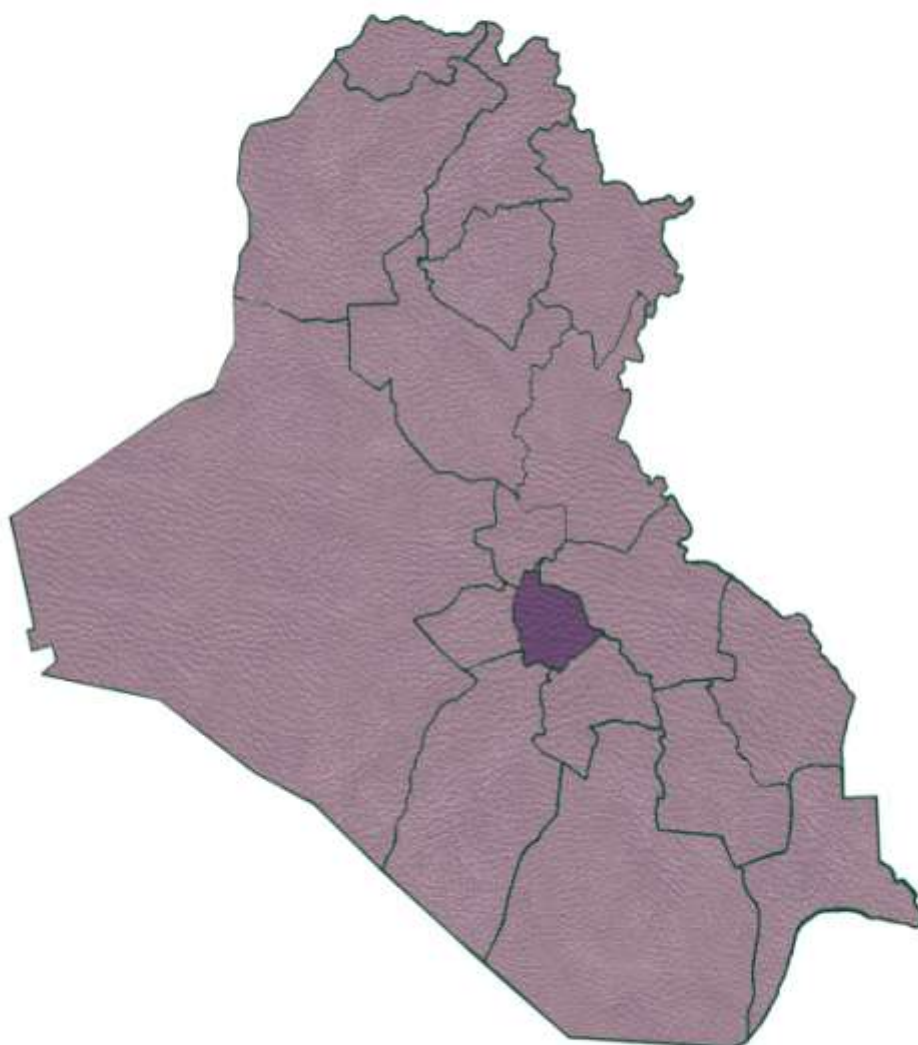


Table No.; (63) Number and Incidence Rate of Top Ten Cancer by Districts in ThiQar \100,000 ThiQar Populations, Iraq, 2017

Top Ten	Al Jabaish		Al Nassiryiah		Al Riffaey		Al Shattrra		Sook Al Shiookh		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	4	7.44	101	15.42	32	12.38	44	12.14	24	7.71	205	10.04
Bronchus & Lung	5	9.31	91	13.89	41	15.86	24	6.62	16	5.14	177	8.67
Urinary Bladder	3	5.58	53	8.09	16	6.19	19	5.24	4	1.29	95	4.65
Leukemia	2	3.72	44	6.72	18	6.96	16	4.41	10	3.21	90	4.41
Brain & other CNS Tumor	2	3.72	53	8.09	10	3.87	13	3.59	6	1.93	84	4.12
Thyroid Gland	0	0.00	42	6.41	12	4.64	16	4.41	2	0.64	72	3.53
Colorectal	2	3.72	34	5.19	11	4.26	10	2.76	11	3.53	68	3.33
Hodgkin Lymphoma	2	3.72	28	4.28	9	3.48	14	3.86	7	2.25	60	2.94
Non-Hodgkin Lymphoma	0	0.00	27	4.12	9	3.48	11	3.03	13	4.18	60	2.94
Unknown Primary	1	1.86	27	4.12	10	3.87	12	3.31	4	1.29	54	2.65
Total	21	39.09	500	76.34	168	64.99	179	49.37	97	31.17	965	47.28

Babil
Populations Number : 2,011,706
Cancer Cases Number :1,391
Incidence Rate: 69.15/100,000 Babil Populations



3.4.12. Babil governorate

Table No.; (64) Distribution of Top Ten Cancer, Babil, Iraq, 2017

Top Ten	No.	%
Breast	250	17.97
Bronchus & Lung	187	13.44
Leukemia	96	6.90
Urinary Bladder	91	6.54
Colorectal	79	5.68
Brain & other CNS Tumor	75	5.39
Pancreas	65	4.67
Non-Hodgkin Lymphoma	52	3.74
Ovary	44	3.16
Prostate	41	2.95
Other Site	411	29.55
Total	1,391	100.00 %

Figure No.; (47) Incidence Rate of Top Ten Cancer in Babil \100,000 Babil Populations, Iraq, 2017

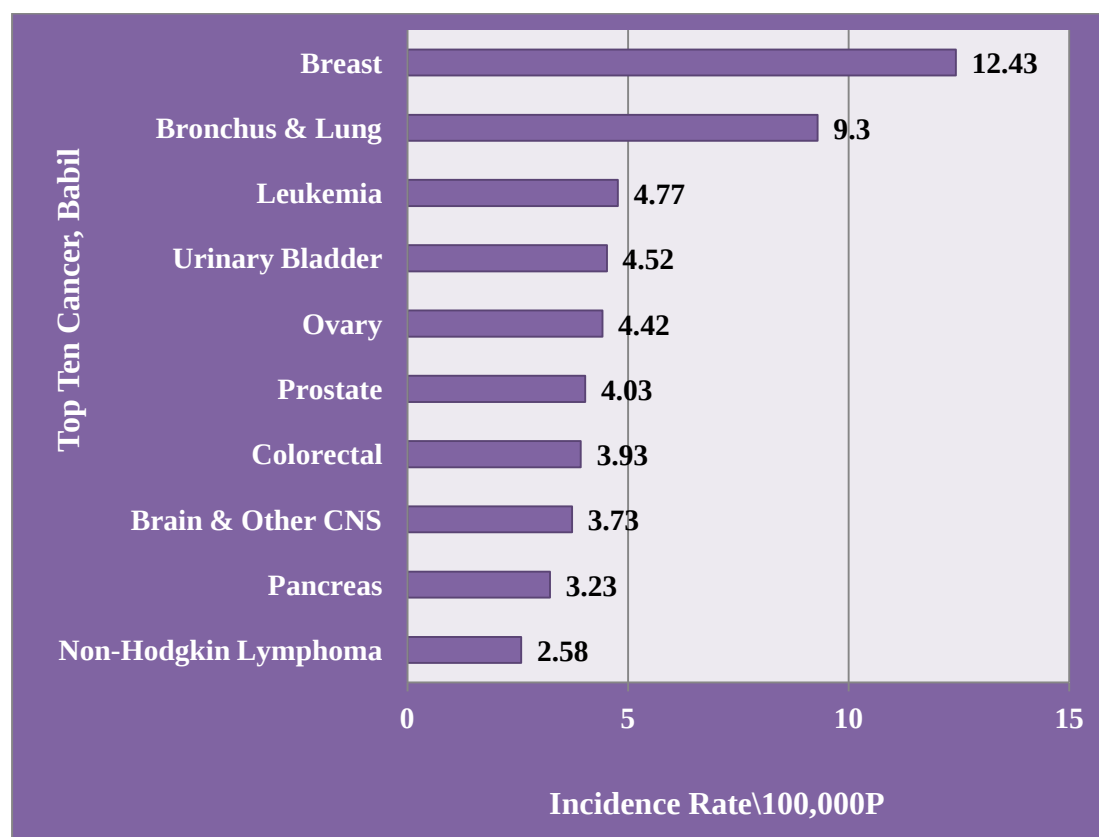


Table No.; (65) Distribution of Top Ten Cancer in Males, Babil, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	114	18.78
Urinary Bladder	63	10.38
Leukemia	53	8.73
Prostate	41	6.75
Brain & other CNS Tumor	37	6.10
Colorectal	33	5.44
Pancreas	33	5.44
Non-Hodgkin Lymphoma	30	4.94
Larynx	24	3.95
Liver	23	3.79
Other Site	156	25.70
Total	607	100.00%

Figure No.; (48) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Babil, Iraq, 2017

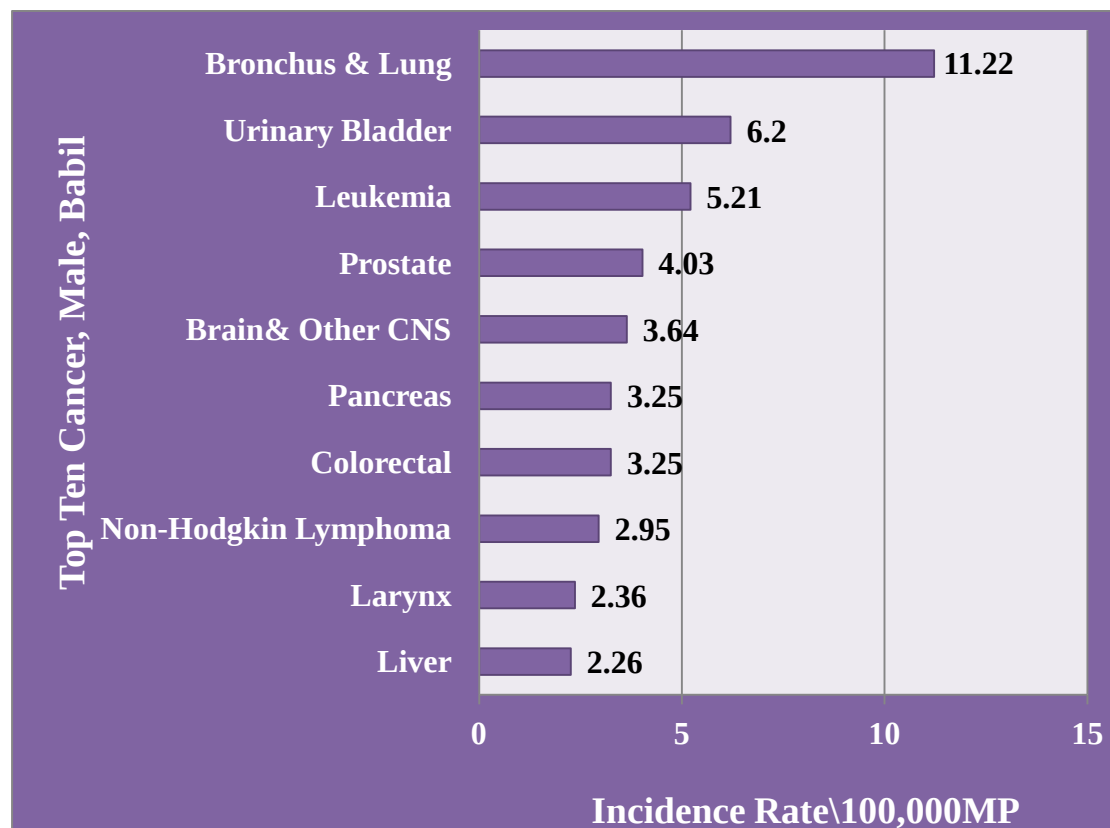


Table No.; (66) Distribution of Top Ten Cancer in Females, Babil, Iraq, 2017

Top Ten	No.	%
Breast	248	31.63
Bronchus & Lung	73	9.31
Colorectal	46	5.87
Ovary	44	5.61
Leukemia	43	5.48
Brain& other CNS Tumor	38	4.85
Thyroid Gland	33	4.21
Pancreas	32	4.08
Urinary Bladder	28	3.57
Stomach	23	2.93
Other Site	176	22.45
Total	784	100.00%

Figure No.; (49) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Babil, Iraq, 2017

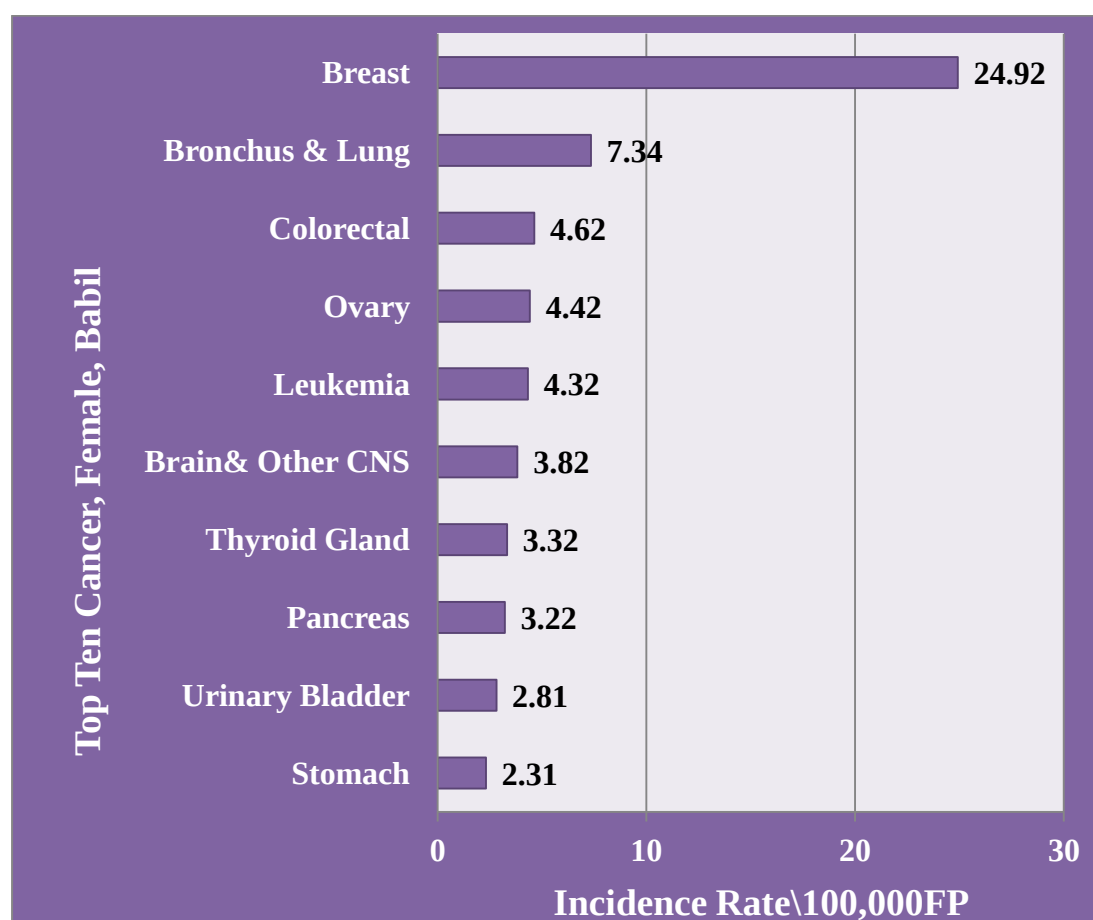
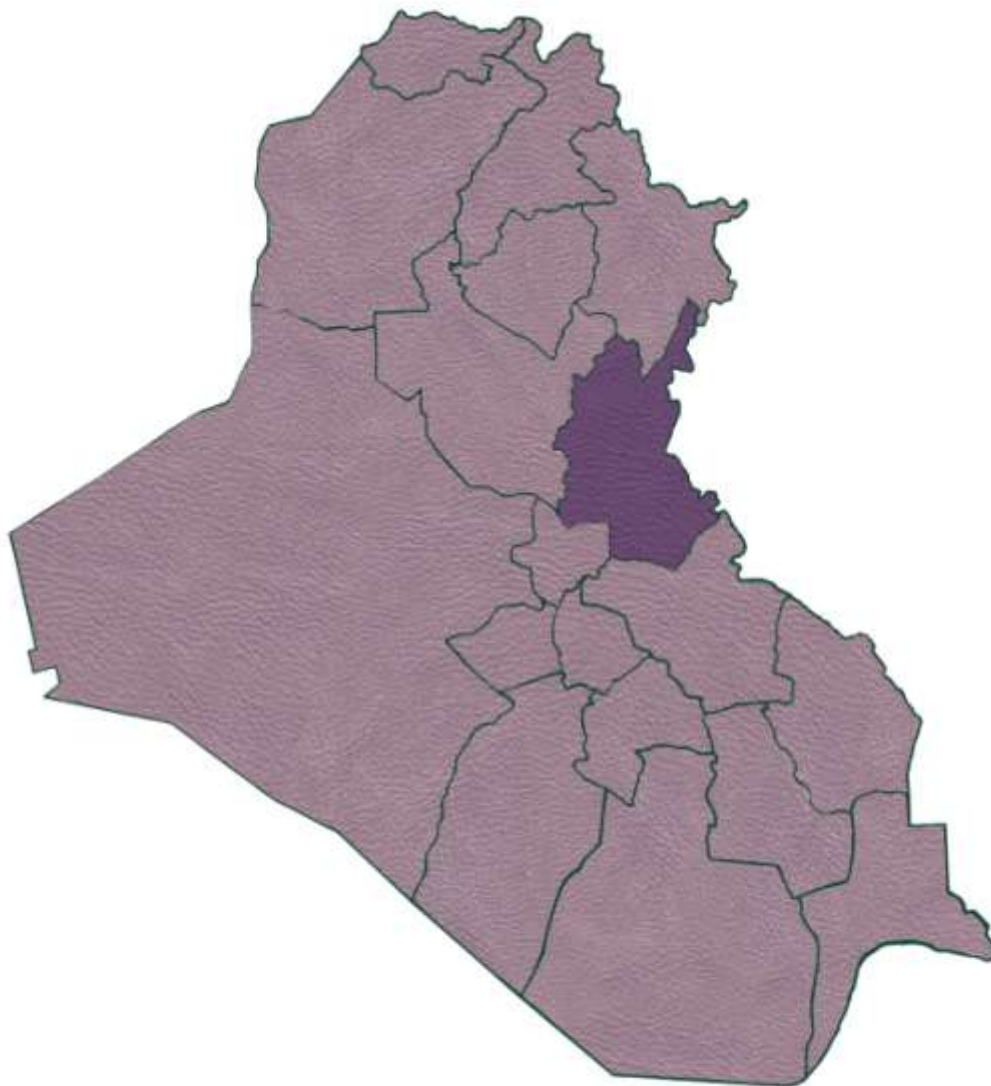


Table No.; (67) Number and Incidence Rate of Top Ten Cancer in Babil \100,000 Babil Populations, Iraq, 2017

Top Ten	Al Hashimiah		Al Hilla		Al Mahaweel		Al Missaiab		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	36	7.76	139	16.96	36	10.44	39	10.17	250	12.43
Bronchus & Lung	48	10.35	83	10.13	27	7.83	29	7.56	187	9.30
Leukemia	22	4.74	52	6.34	8	2.32	14	3.65	96	4.77
Urinary Bladder	20	4.31	49	5.98	11	3.19	11	2.87	91	4.52
Colorectal	12	2.59	47	5.73	11	3.19	9	2.35	79	3.93
Brain & other CNS Tumor	11	2.37	40	4.88	11	3.19	13	3.39	75	3.73
Pancreas	11	2.37	38	4.64	11	3.19	5	1.30	65	3.23
Non-Hodgkin Lymphoma	8	1.72	28	3.42	9	2.61	7	1.83	52	2.58
Ovary	9	1.94	19	2.32	6	1.74	10	2.61	44	2.19
Prostate	10	2.16	21	2.56	5	1.45	5	1.30	41	2.04
Total	187	40.32	516	62.96	135	39.14	142	37.04	980	48.71

Diyala
Populations Number : 1,594,942
Cancer Cases Number :1,087
Incidence Rate: 68.15/100,000 Diyala Populations



3.4.13. Diyala governorate

Table No.; (68) Distribution of Top Ten Cancer in Diyala, Iraq, 2017

Top Ten	No.	%
Breast	225	20.70
Bronchus & Lung	92	8.46
Leukemia	91	8.37
Colorectal	74	6.81
Stomach	51	4.69
Brain & other CNS Tumor	48	4.42
Non-Hodgkin Lymphoma	47	4.32
Unknown Primary	47	4.32
Skin	43	3.96
Thyroid Gland	40	3.68
Other Site	329	30.27
Total	1,087	100.00%

Figure No.; (50) Incidence Rate of Top Ten Cancer in Diyala \100,000 Diyala Populations, Iraq, 2017

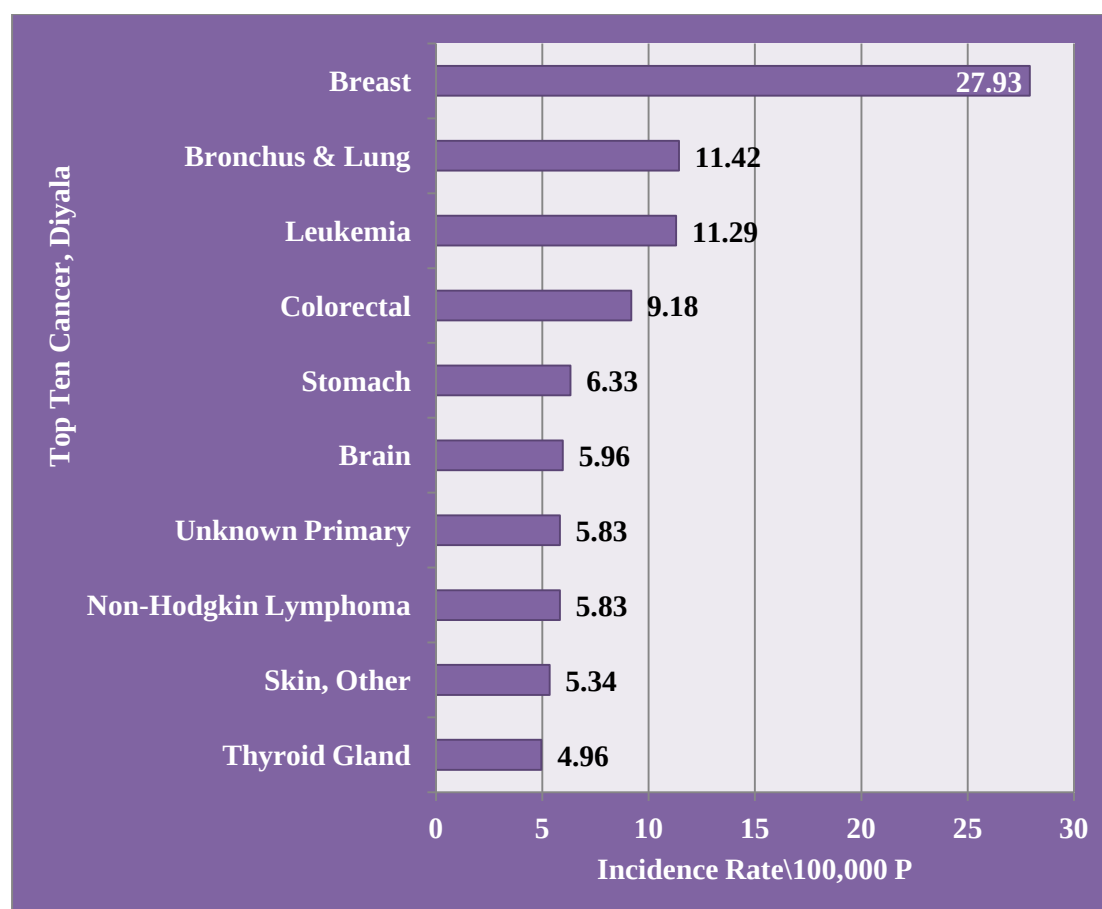


Table No.; (69) Distribution of Top Ten Cancer in Males, Diyala, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	66	15.00
Leukemia	42	9.55
Colorectal	37	8.41
Urinary Bladder	35	7.95
Brain & other CNS Tumor	26	5.91
Skin	25	5.68
Stomach	24	5.45
Prostate	23	5.23
Unknown Primary	21	4.77
Non-Hodgkin Lymphoma	18	4.09
Other Site	123	27.95
Total	440	100.00%

Figure No.; (51) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Diyala, Iraq, 2017

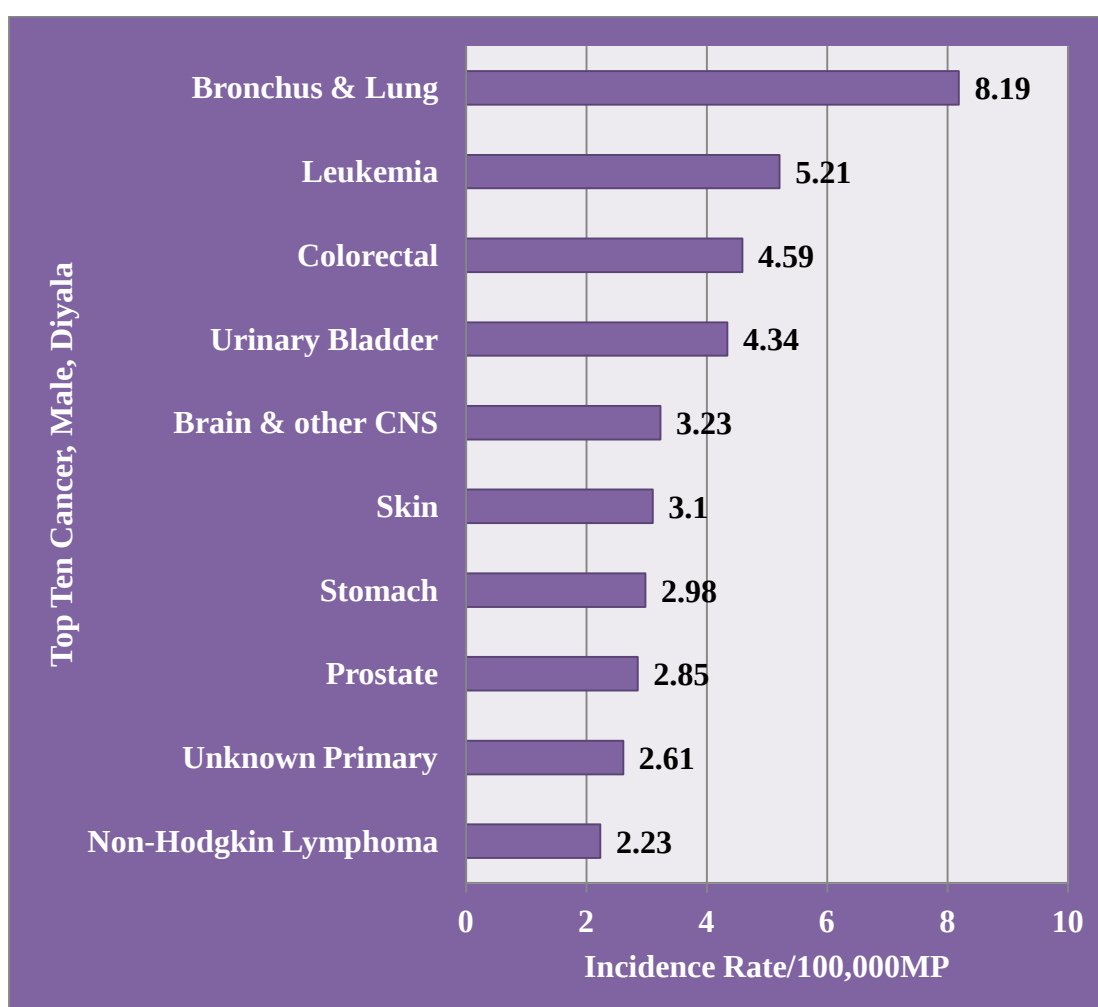


Table No.; (70) Distribution of Top Ten Cancer in Females, Diyala, Iraq, 2017

Top Ten	No.	%
Breast	218	33.69
Leukemia	49	7.57
Colorectal	37	5.72
Non-Hodgkin Lymphoma	29	4.48
Thyroid Gland	28	4.33
Stomach	27	4.17
Bronchus & Lung	26	4.02
Unknown Primary Site	26	4.02
Brain & other CNS Tumor	22	3.40
Ovary	20	3.09
Other Site	165	25.50
Total	647	100.00%

Figure No.; (52) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Diyala, Iraq, 2017

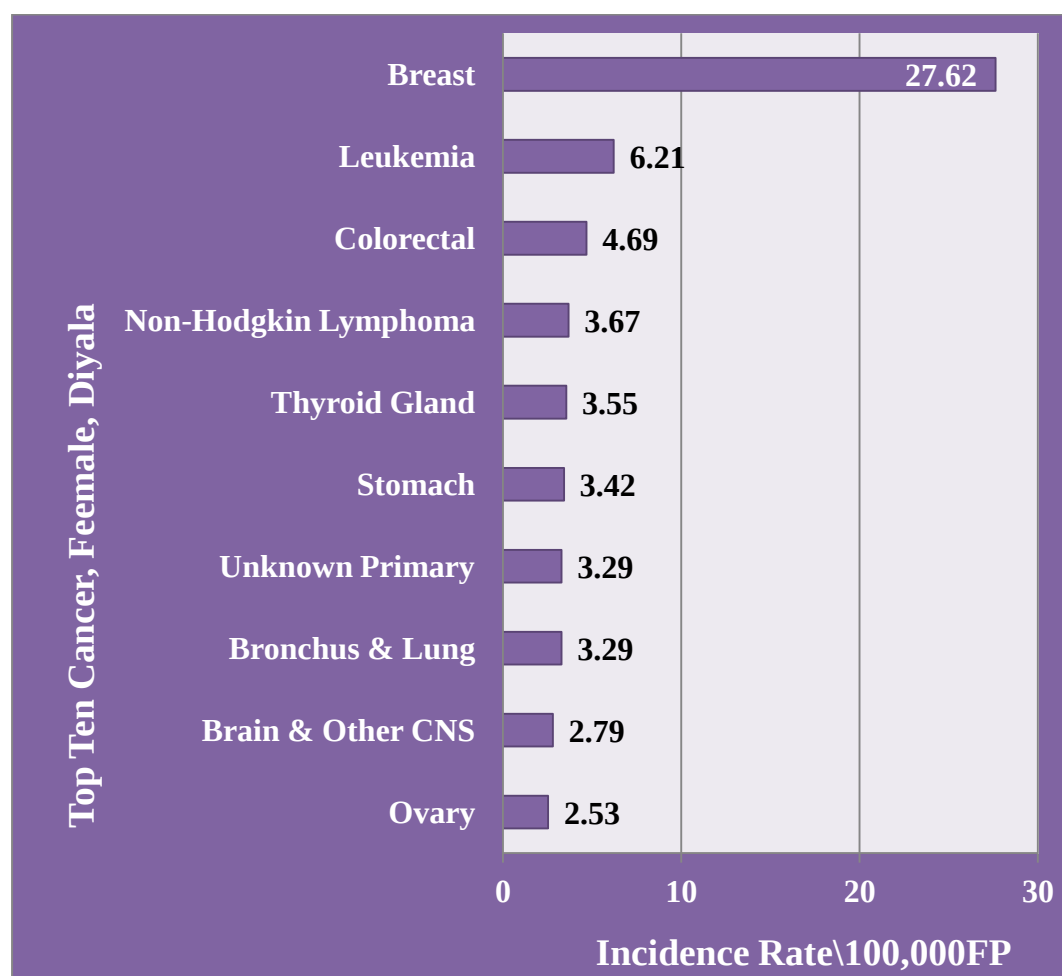
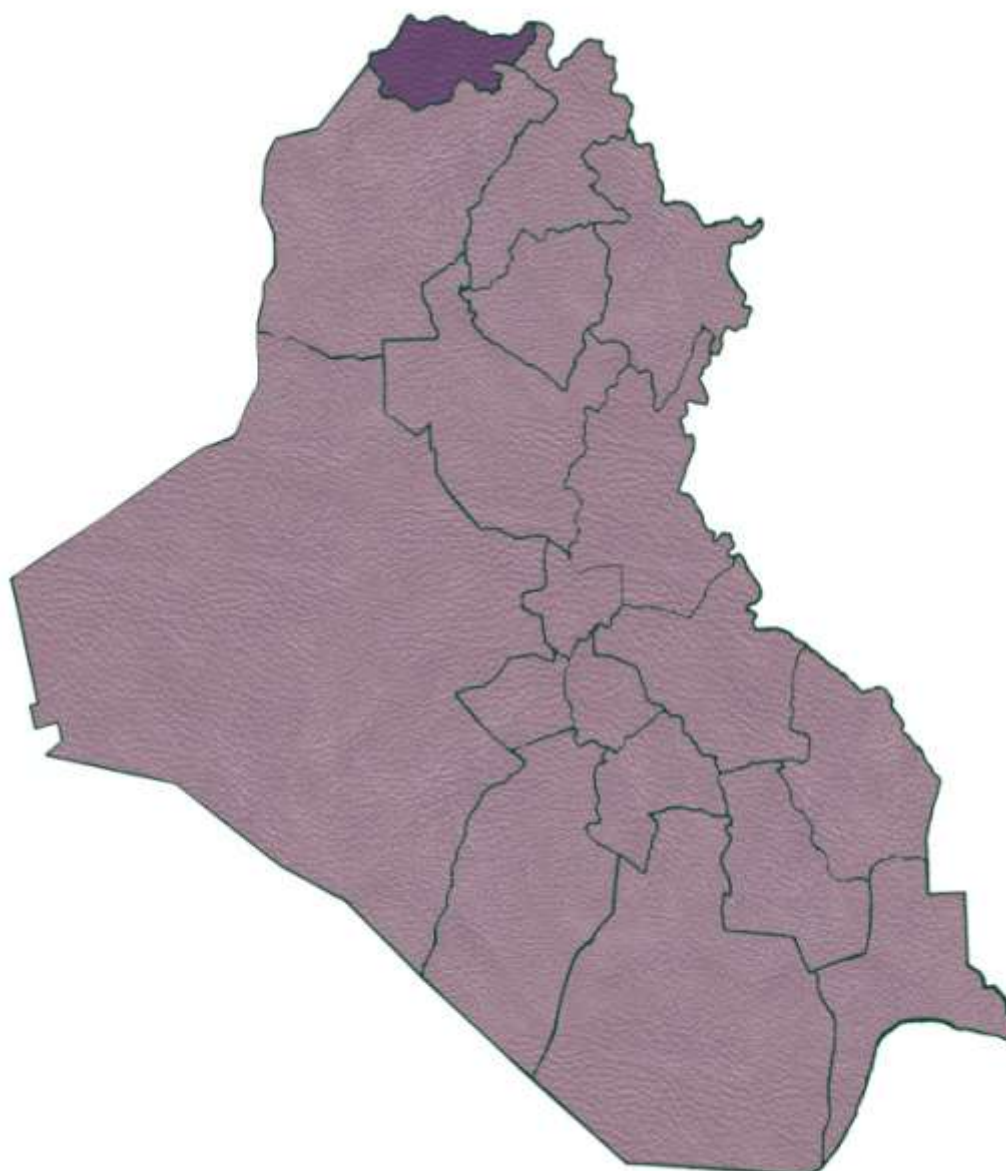


Table No.; (71) Number and Incidence Rate of Top Ten Cancer by Districts in Diyala \100,000 Diyala Populations, Iraq, 2017

Top Ten	Al Khalis		Al Muqdadiah		Bakooba		Baladrooze		Khanakeen		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	38	11.15	17	6.86	131	22.38	9	6.23	30	13.26	225	14.11
Bronchus & Lung	15	4.40	12	4.84	42	7.18	9	6.23	14	6.19	92	5.77
Leukemia	22	6.45	11	4.44	35	5.98	8	5.54	15	6.63	91	5.71
Colorectal	10	2.93	8	3.23	40	6.83	6	4.16	10	4.42	74	4.64
Stomach	3	0.88	6	2.42	29	4.96	7	4.85	6	2.65	51	3.20
Brain & other CNS Tumor	6	1.76	6	2.42	29	4.96	4	2.77	3	1.33	48	3.01
Non-Hodgkin Lymphoma	5	1.47	5	2.02	28	4.78	5	3.46	4	1.77	47	2.95
Unknown Primary Site	6	1.76	7	2.82	28	4.78	2	1.39	4	1.77	47	2.95
Skin, other	5	1.47	1	0.40	30	5.13	1	0.69	6	2.65	43	2.70
Thyroid Gland	5	1.47	6	2.42	24	4.10	1	0.69	4	1.77	40	2.51
Total	115	33.73	79	31.86	416	71.08	52	36.02	96	42.44	758	47.53

Duhok
Populations Number : 1,259,150
Cancer Cases Number :831
Incidence Rate: 66.00/100,000 Duhok Populations



3.4.14. Duhok governorate

Table No.; (72) Distribution of Top Ten Cancer in Duhok, Iraq, 2017

Top Ten	No.	%
Breast	136	16.37
Skin	90	10.83
Leukemia	62	7.46
Bronchus & Lung	61	7.34
Colorectal	58	6.98
Non-Hodgkin Lymphoma	52	6.26
Urinary Bladder	42	5.05
Brain & other CNS Tumor	39	4.69
Hodgkin Lymphoma	28	3.37
Stomach	26	3.13
Other Site	237	28.52
Total	831	100.00%

Figure No.; (53) Incidence Rate of Top Ten Cancer in Duhok \100,000 Duhok Populations, Iraq, 2017

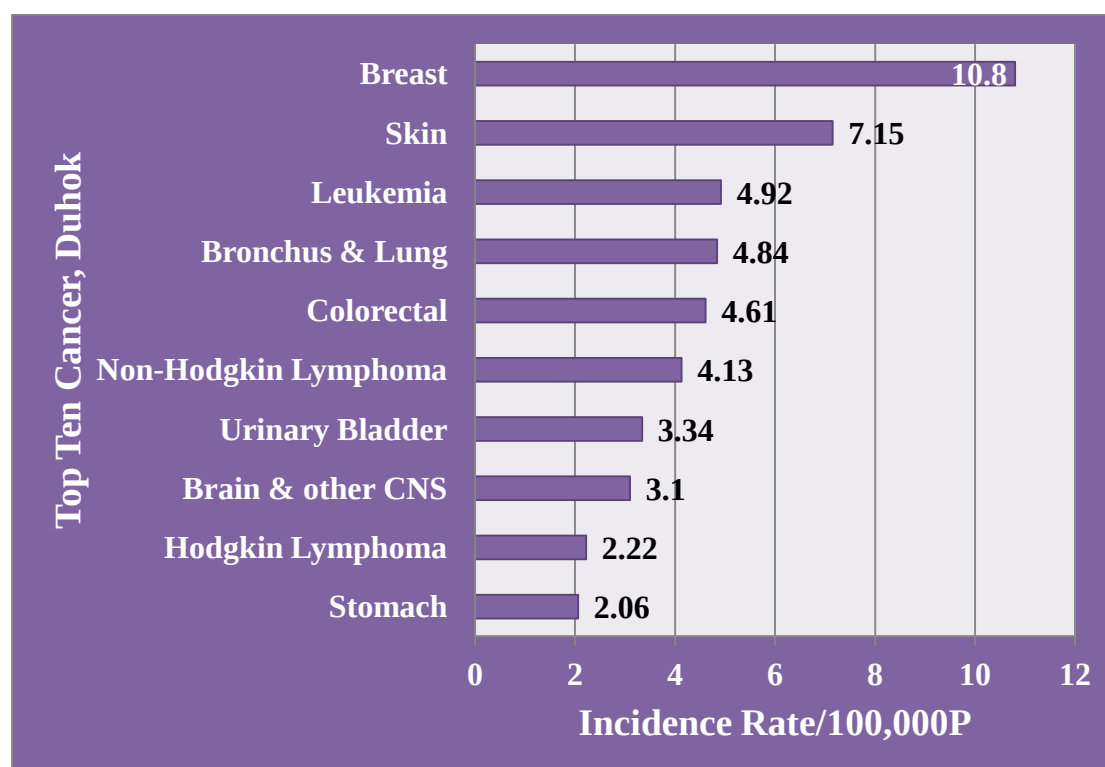


Table No.; (73) Distribution of Top Ten Cancer in Males, Duhok, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	55	13.19
Skin	43	10.31
Urinary Bladder	38	9.11
Non-Hodgkin Lymphoma	34	8.15
Colorectal	33	7.91
Leukemia	32	7.67
Brain & other CNS Tumor	22	5.28
Hodgkin Lymphoma	21	5.04
Prostate	16	3.84
Liver	15	3.60
Other Site	108	25.90
Total	417	100.00%

Figure No.; (54) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Duhok, Iraq, 2017

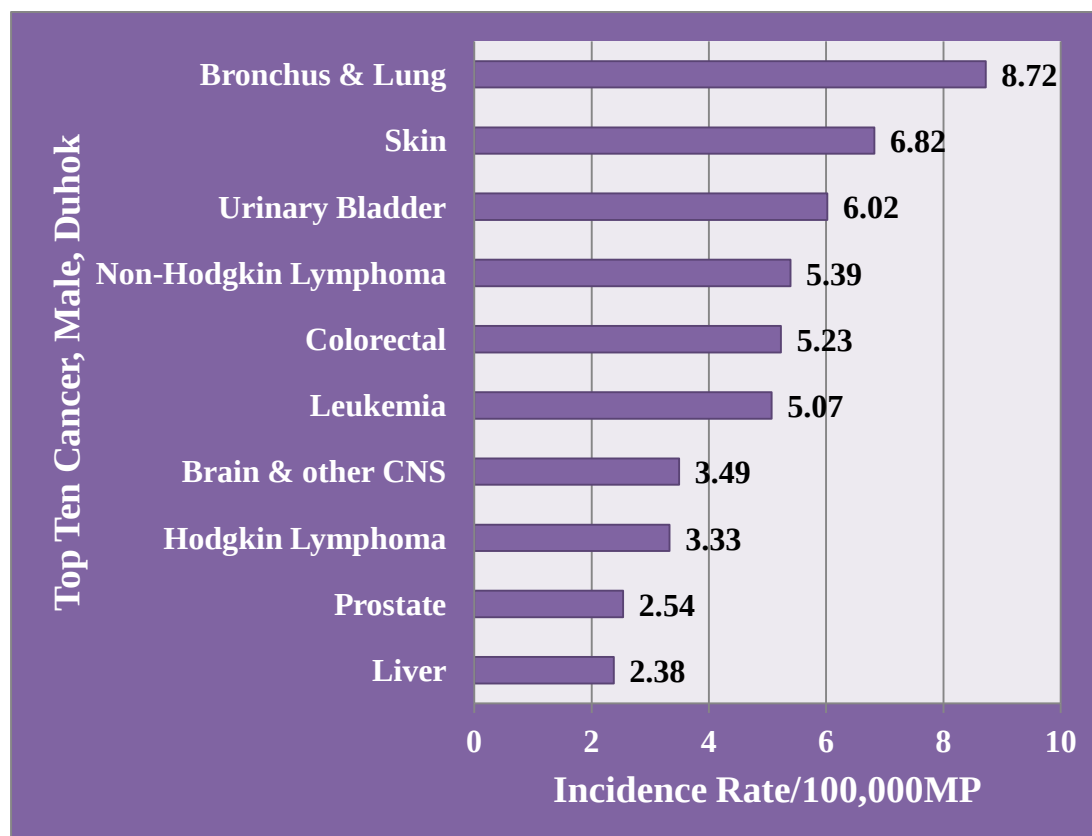


Table No.; (74) Distribution of Top Ten Cancer in Females, Duhok, Iraq, 2017

Top Ten	No.	%
Breast	135	32.61
Skin	47	11.35
Leukemia	30	7.25
Colorectal	25	6.04
Non-Hodgkin Lymphoma	18	4.35
Brain & other CNS Tumor	17	4.11
Stomach	14	3.38
Thyroid Gland	13	3.14
Ovary	10	2.42
Plasma Cell Tumor	10	2.42
Other Site	95	22.95
Total	414	100.00%

Figure No.; (55) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Duhok, Iraq, 2017

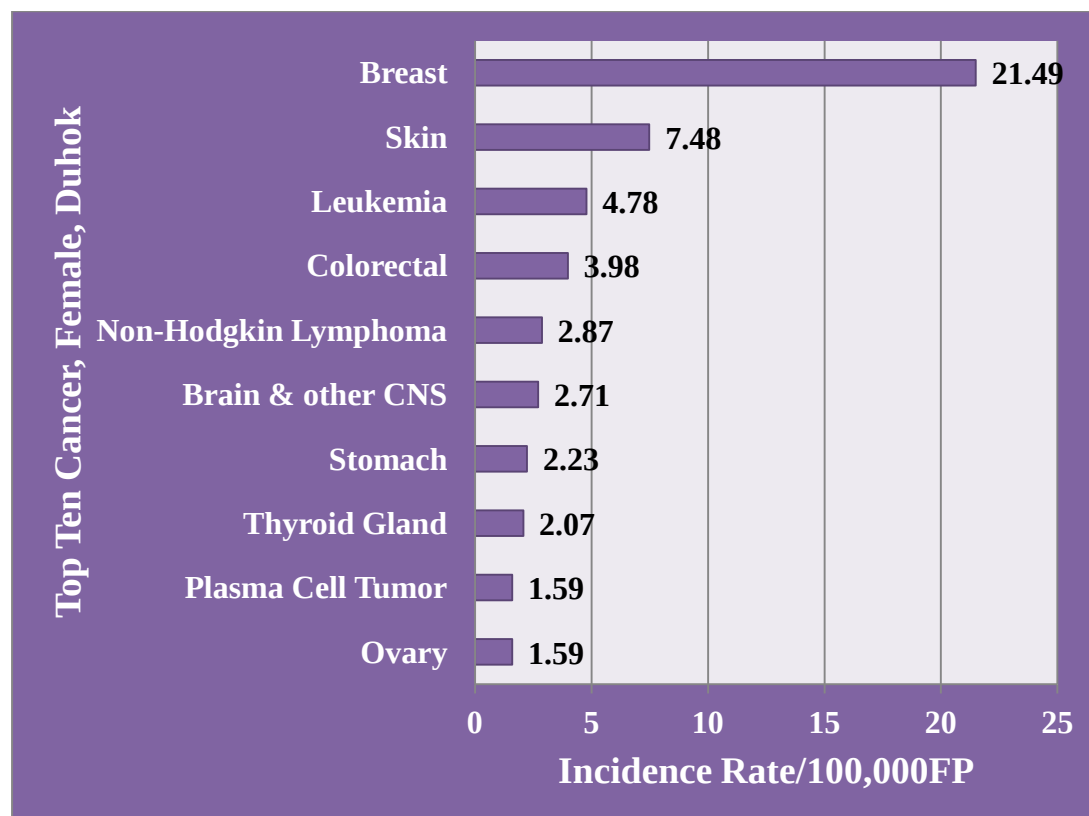
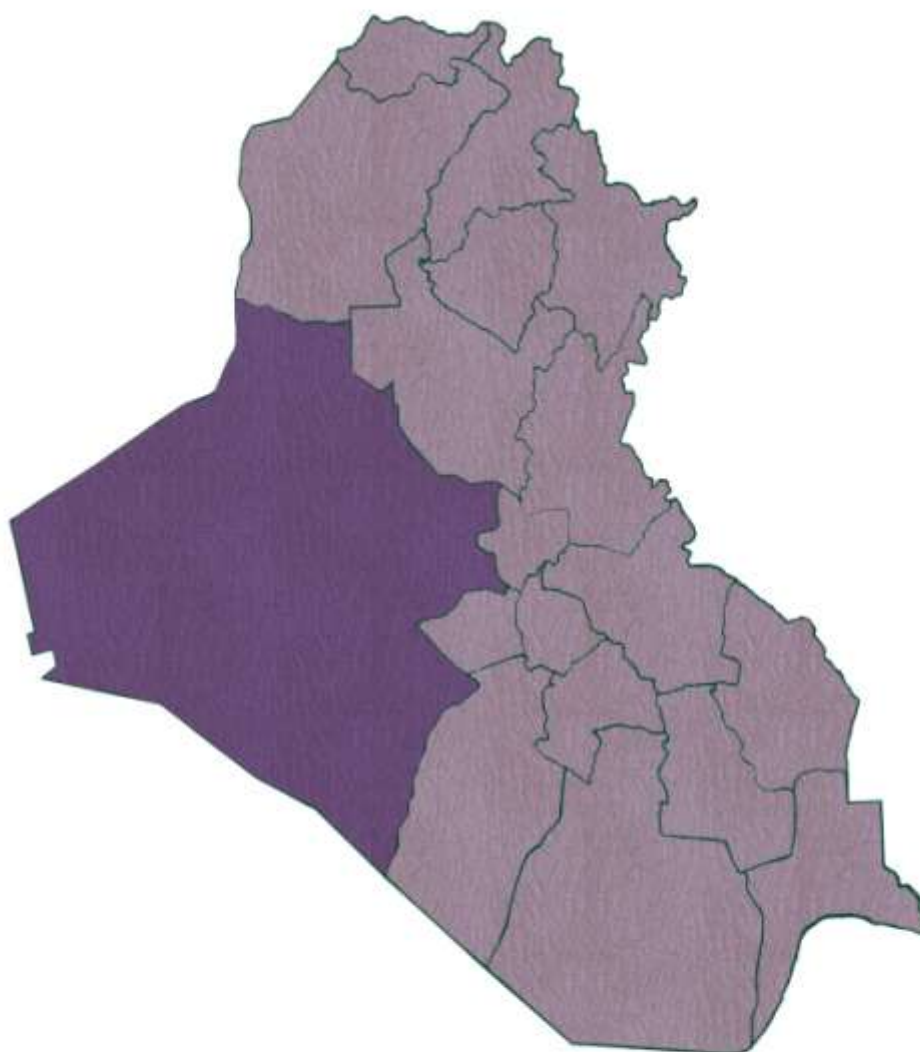


Table No.; (75) Number and Incidence Rate of Top Ten Cancer by Districts in Duhok \100,000 Duhok Populations, Iraq, 2017

Top Ten	Al Ammadyia		Aqreh		Berdehresh		Duhok		Shaikhan		Sumail		Zakho		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	6	5.38	9	5.21	4	2.96	83	22.75	8	8.02	8	7.45	18	6.72	136	10.80
Skin	6	5.38	4	2.32	5	3.70	53	14.53	7	7.02	9	8.38	6	2.24	90	7.15
Leukemia	2	1.79	7	4.06	6	4.44	36	9.87	2	2.01	1	0.93	8	2.99	62	4.92
Bronchus & Lung	9	8.07	2	1.16	1	0.74	29	7.95	2	2.01	2	1.86	16	5.97	61	4.84
Colorectal	2	1.79	2	1.16	1	0.74	33	9.04	2	2.01	3	2.79	15	5.60	58	4.61
Non-Hodgkin Lymphoma	5	4.48	5	2.90	1	0.74	33	9.04	4	4.01	1	0.93	3	1.12	52	4.13
Urinary Bladder	2	1.79	0	0.00	3	2.22	23	6.30	3	3.01	4	3.73	7	2.61	42	3.34
Brain & other CNS Tumor	1	0.90	1	0.58	0	0.00	29	7.95	3	3.01	1	0.93	4	1.49	39	3.10
Hodgkin Lymphoma	2	1.79	2	1.16	3	2.22	15	4.11	1	1.00	0	0.00	5	1.87	28	2.22
Stomach	0	0.00	5	2.90	2	1.48	14	3.84	2	2.01	1	0.93	2	0.75	26	2.06
Total	35	31.39	37	21.43	26	19.25	348	95.38	34	34.09	30	27.94	84	31.34	594	47.17

Al-Anbar
Populations Number : 1,725,914
Cancer Cases Number :905
Incidence Rate : 52.44/100,000 Al-Anbar Populations



3.4.15. Al-Anbar governorate

Table No.; (76) Distribution of Top Ten Cancer in Al-Anbar, Iraq, 2017

Top Ten	No.	%
Breast	204	22.54
Leukemia	105	11.60
Non-Hodgkin Lymphoma	65	7.18
Colorectal	52	5.75
Stomach	49	5.41
Hodgkin Lymphoma	37	4.09
Bronchus & Lung	34	3.76
Thyroid Gland	33	3.65
Prostate	28	3.09
Urinary Bladder	25	2.76
Other Site	273	30.17
Total	905	100.00%

**Figure No.; (56) Incidence Rate of Top Ten Cancer in Al-Anbar \100,000
Al-Anbar Populations, Iraq, 2017**

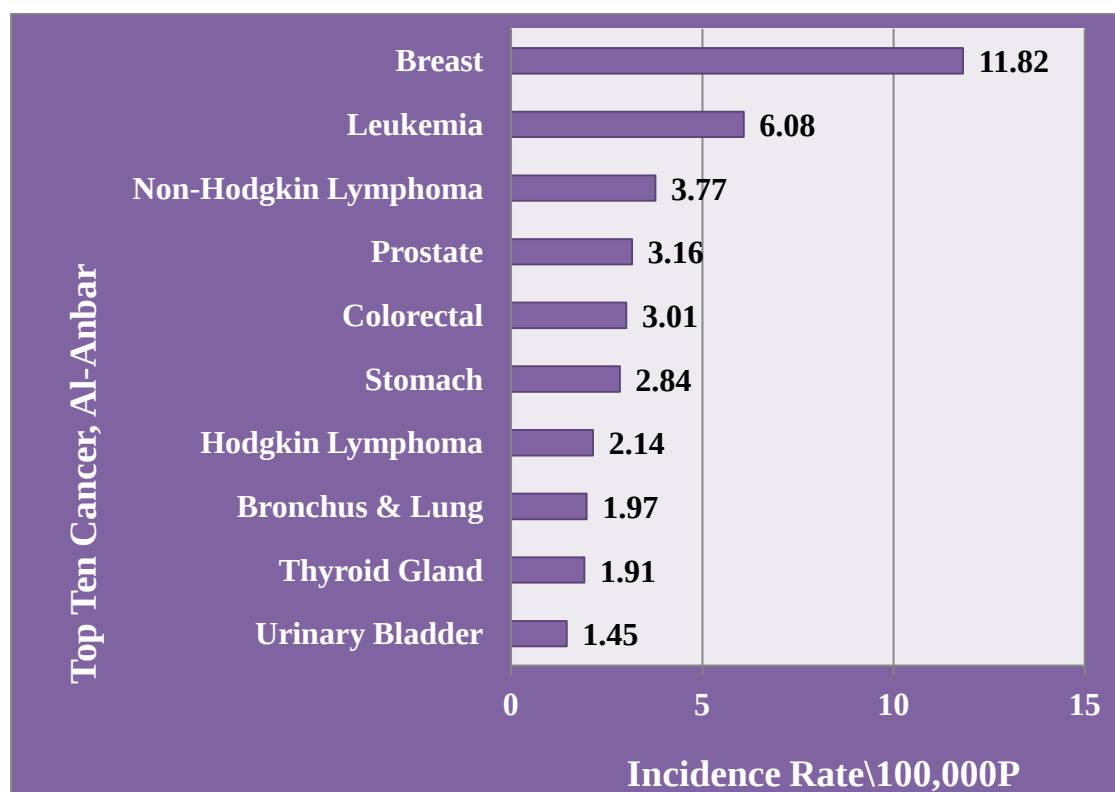


Table No.; (77) Distribution of Top Ten Cancer in Males, Al-Anbar, Iraq, 2017

Top Ten	No.	%
Leukemia	61	15.72
Non-Hodgkin Lymphoma	34	8.76
Prostate	28	7.22
Bronchus & Lung	26	6.70
Stomach	26	6.70
Colorectal	25	6.44
Urinary Bladder	23	5.93
Hodgkin Lymphoma	18	4.64
Brain & other CNS Tumor	16	4.12
Small Intestine	14	3.61
Other Site	117	30.15
Total	388	100.00%

Figure No.; (57) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Al-Anbar, Iraq, 2017

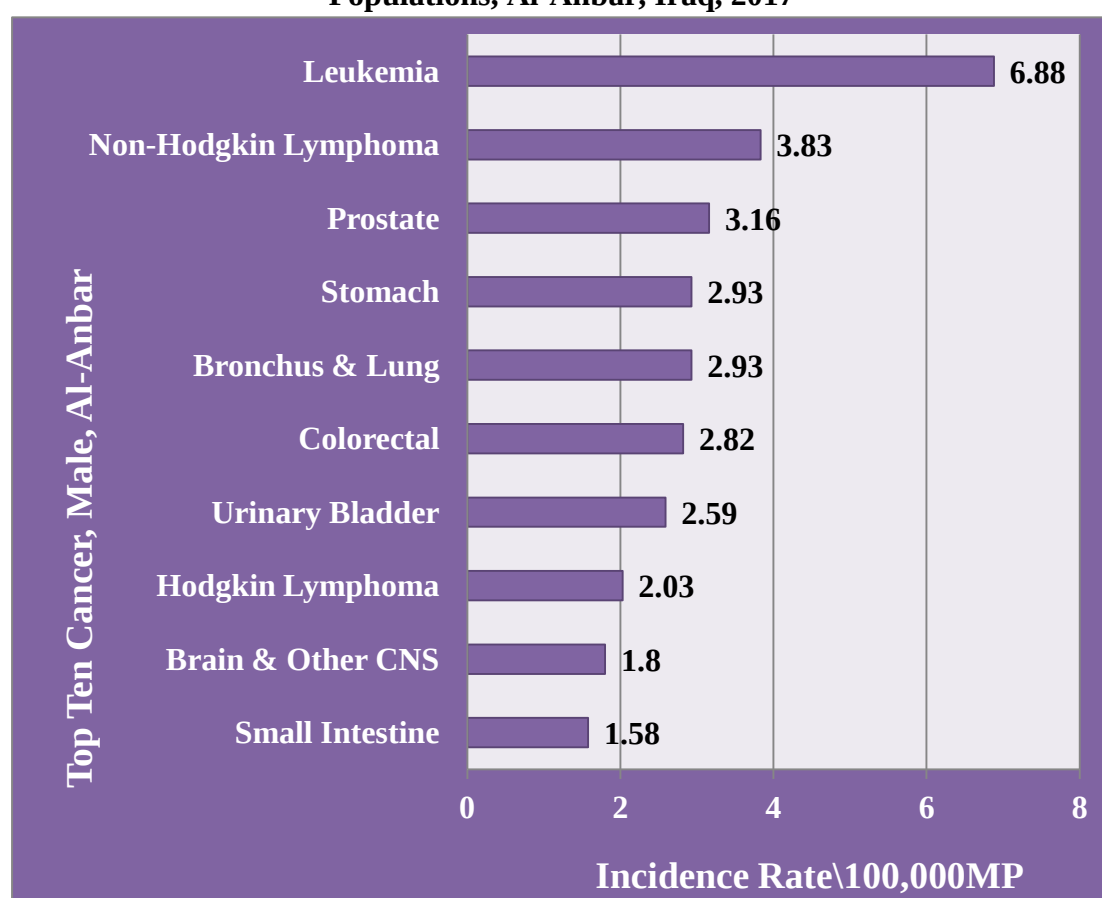


Table No.; (78) Distribution of Top Ten Cancer in Females, Al-Anbar, Iraq, 2017

Top Ten	No.	%
Breast	200	38.68
Leukemia	44	8.51
Non-Hodgkin Lymphoma	31	6.00
Colorectal	27	5.22
Thyroid Gland	26	5.03
Stomach	23	4.45
Ovary	21	4.06
Hodgkin Lymphoma	19	3.68
Brain & other CNS Tumor	18	3.48
Kidney	9	1.74
Other Site	99	19.15
Total	517	100.00%

Figure No.; (58) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Al-Anbar, Iraq, 2017

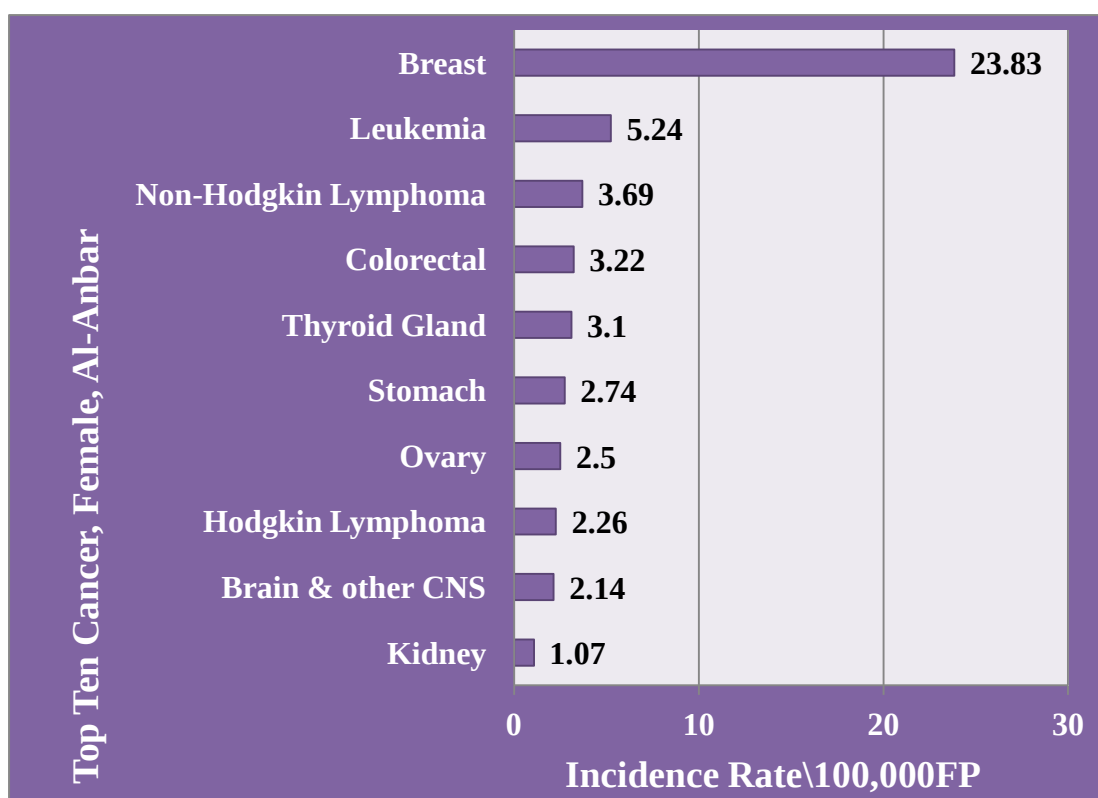
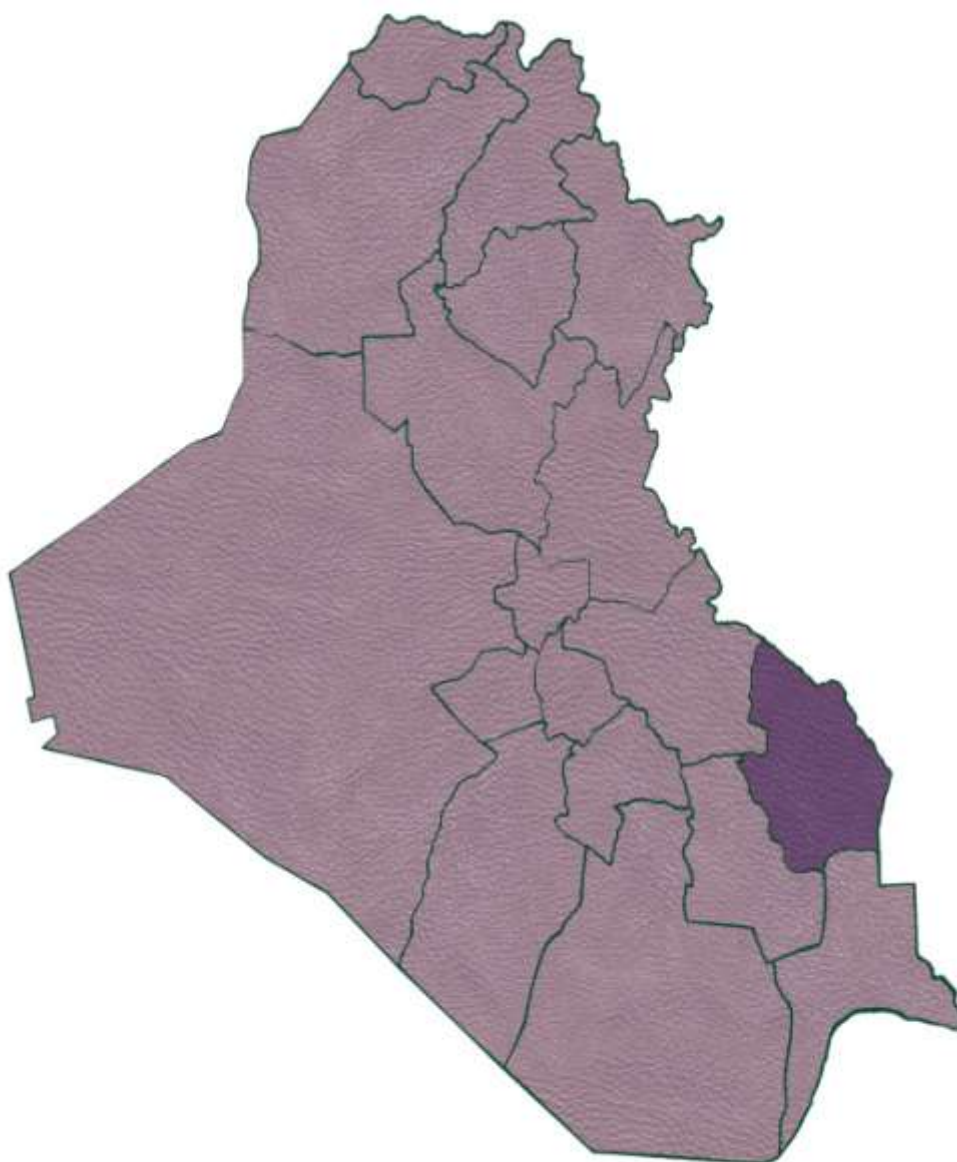


Table No.; (79) Number and Incidence Rate of Top Ten Cancer by Districts in Al-Anbar \100,000 Al-Anbar Populations, Iraq, 2017

Top Ten	Aana		Al Falooja		Al Kaaim		Al Ramadi		Al Ruttba		Hadeetha		Heet		Rawa		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	1	3.25	74	14.53	9	5.16	103	18.07	4	8.73	3	2.91	9	5.41	1	4.28	204	11.82
Leukemia	0	0.00	24	4.71	2	1.15	62	10.87	1	2.18	7	6.80	9	5.41	0	0.00	105	6.08
Non-Hodgkin Lymphoma	0	0.00	15	2.95	2	1.15	39	6.84	1	2.18	2	1.94	2	1.20	4	17.14	65	3.77
Colorectal	1	3.25	15	2.95	1	0.57	31	5.44	1	2.18	0	0.00	3	1.80	0	0.00	52	3.01
Stomach	0	0.00	8	1.57	4	2.29	28	4.91	2	4.36	2	1.94	4	2.40	1	4.28	49	2.84
Hodgkin Lymphoma	0	0.00	9	1.77	1	0.57	19	3.33	0	0.00	4	3.88	4	2.40	0	0.00	37	2.14
Bronchus & Lung	0	0.00	7	1.37	0	0.00	20	3.51	1	2.18	1	0.97	4	2.40	1	4.28	34	1.97
Thyroid Gland	0	0.00	8	1.57	0	0.00	23	4.03	0	0.00	2	1.94	0	0.00	0	0.00	33	1.91
Prostate	0	0.00	8	1.57	1	0.57	15	2.63	1	2.18	2	1.94	0	0.00	1	4.28	28	1.62
Urinary Bladder	0	0.00	13	2.55	1	0.57	10	1.75	0	0.00	1	0.97	0	0.00	0	0.00	25	1.45
Total	2	6.50	181	35.54	21	12.03	350	61.39	11	24.00	24	23.31	35	21.04	8	34.27	632	36.62

Maysan
Populations Number : 1,083,937
Cancer Cases Number :543
Incidence Rate: 50.10/100,000 Maysan Populations



3.4.16. Maysan governorate

Table No.; (80) Distribution of Top Ten Cancer in Maysan, Iraq, 2017

Top Ten	No.	%
Breast	104	19.15
Leukemia	52	9.58
Urinary Bladder	44	8.10
Brain & other CNS Tumor	35	6.45
Bronchus & Lung	29	5.34
Colorectal	28	5.16
Non-Hodgkin Lymphoma	28	5.16
Prostate	19	3.50
Stomach	18	3.31
Thyroid Gland	17	3.13
Other Site	169	31.12
Total	543	100.00

Figure No.; (59) Incidence Rate of Top Ten Cancer in Maysan \100,000 Maysan Populations, Iraq, 2017

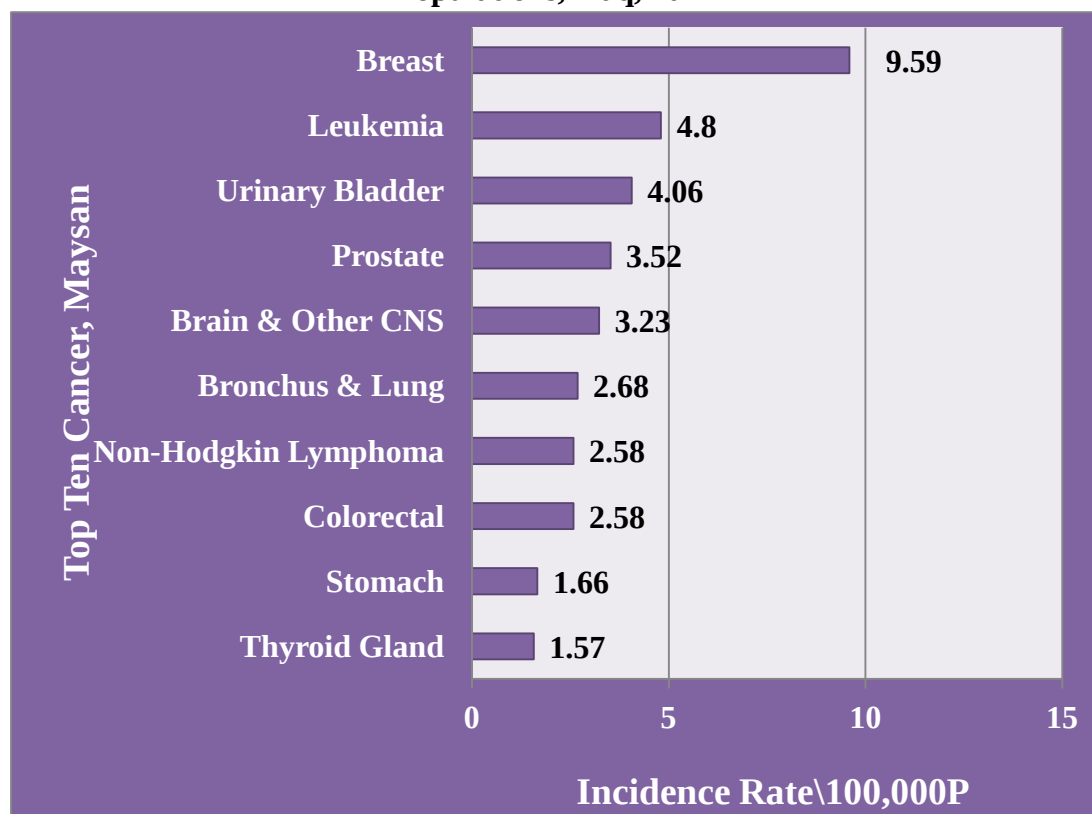


Table No.; (81) Distribution of Top Ten Cancer in Males, Maysan, Iraq, 2017

Top Ten	No.	%
Urinary Bladder	33	13.36
Leukemia	26	10.53
Brain & other CNS Tumor	21	8.50
Bronchus & Lung	20	8.10
Prostate	19	7.69
Colorectal	18	7.29
Non-Hodgkin Lymphoma	14	5.67
Larynx	10	4.05
Hodgkin Lymphoma	9	3.64
Stomach	8	3.24
Other Site	69	27.94
Total	247	100.00%

Figure No.; (60) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Maysan, Iraq, 2017

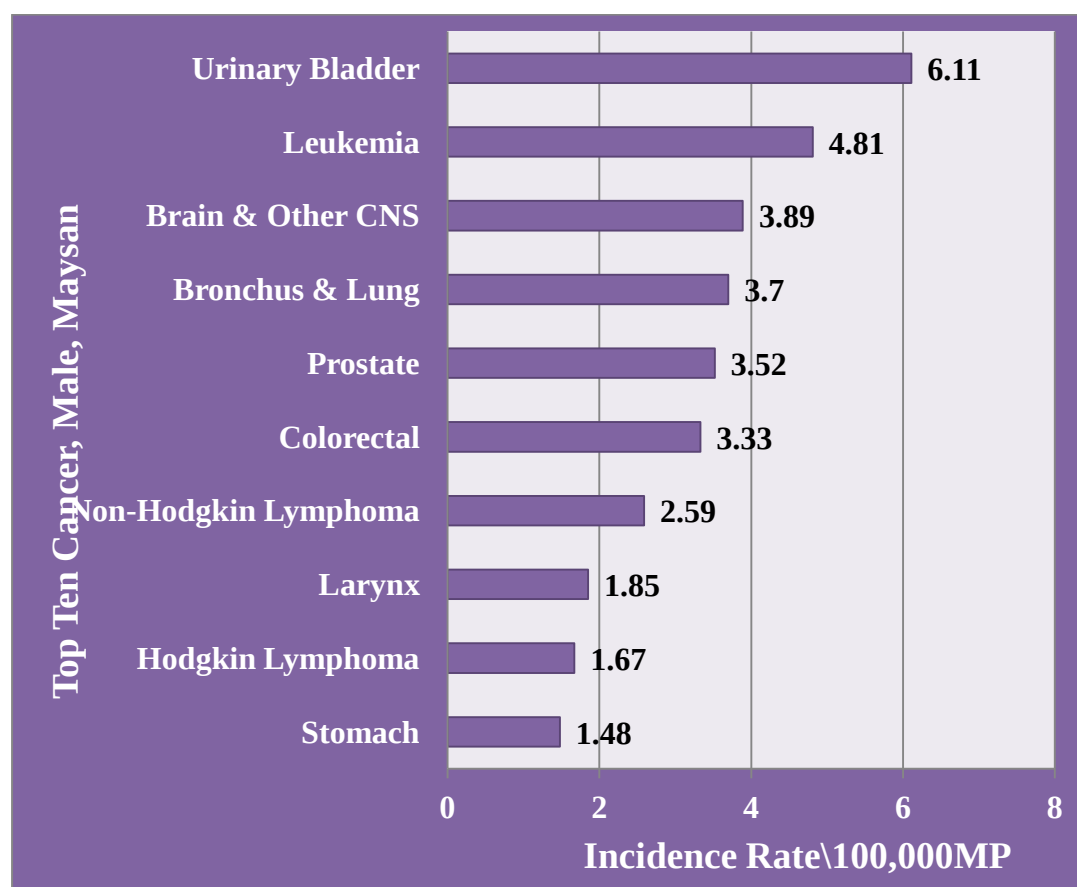


Table No.; (82) Distribution of Top Ten Cancer in Females, Maysan, Iraq, 2017

Top Ten	No.	%
Breast	103	34.80
Leukemia	26	8.78
Brain & other CNS Tumor	14	4.73
Non-Hodgkin Lymphoma	14	4.73
Ovary	12	4.05
Thyroid Gland	12	4.05
Unknown Primary Site	11	3.72
Urinary Bladder	11	3.72
Colorectal	10	3.38
Stomach	10	3.38
Other Site	73	24.66
Total	296	100.00%

**Figure No.; (61) Incidence Rate of Top Ten Cancer in Females \ 100,000
Female Populations, Maysan, Iraq, 2017**

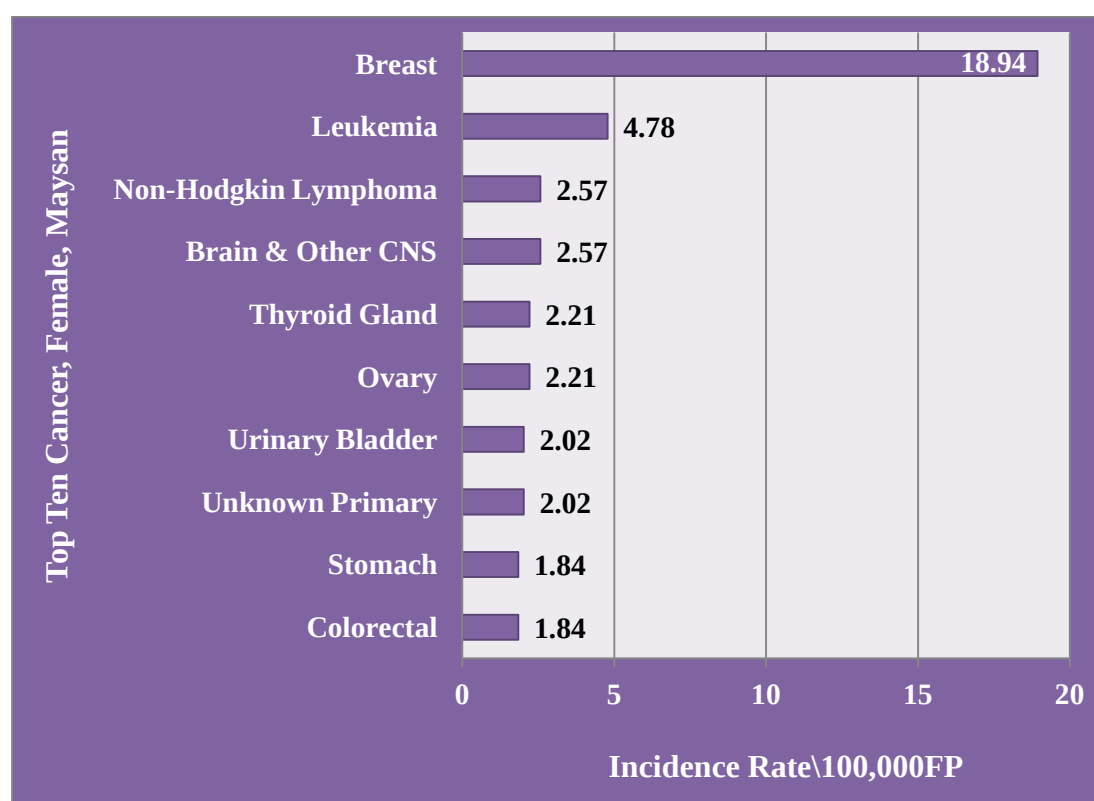
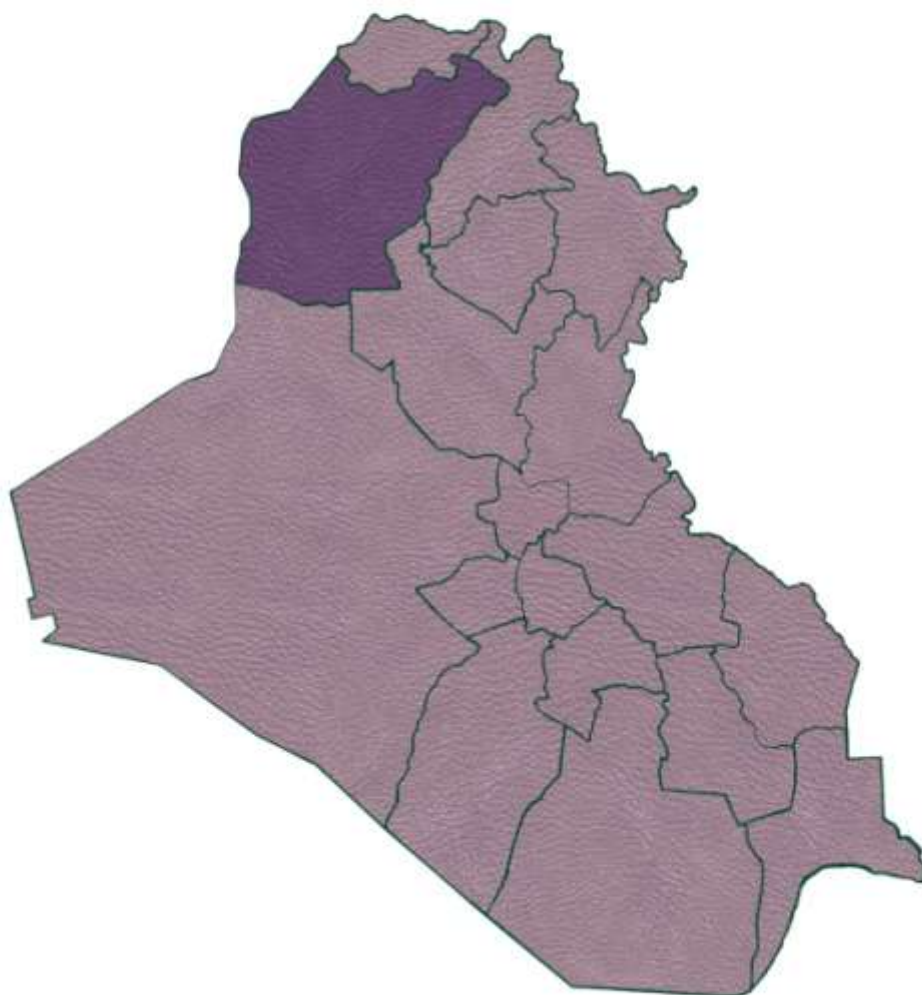


Table No.; (83) Number and Incidence Rate of Top Ten Cancer by Districts in Maysan \100,000 Maysan Populations, Iraq, 2017

Top Ten	Al Ammarha		Al Kahlaa		Al Maymoona		Ali Algharbi		Almajar Al Kabeer		Qalat Salih		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	91	15.59	3	3.46	1	0.99	1	1.93	5	3.22	3	2.85	104	9.59
Leukemia	35	6.00	9	10.38	1	0.99	1	1.93	6	3.87	0	0.00	52	4.80
Urinary Bladder	36	6.17	4	4.61	1	0.99	0	0.00	1	0.64	2	1.90	44	4.06
Brain & other CNS Tumor	24	4.11	2	2.31	1	0.99	2	3.86	5	3.22	1	0.95	35	3.23
Bronchus & Lung	19	3.25	5	5.77	3	2.96	1	1.93	0	0.00	1	0.95	29	2.68
Colorectal	22	3.77	0	0.00	0	0.00	2	3.86	2	1.29	2	1.90	28	2.58
Non-Hodgkin Lymphoma	18	3.08	2	2.31	1	0.99	0	0.00	7	4.51	0	0.00	28	2.58
Prostate	15	2.57	1	1.15	0	0.00	2	3.86	0	0.00	1	0.95	19	1.75
Stomach	13	2.23	2	2.31	0	0.00	2	3.86	0	0.00	1	0.95	18	1.66
Thyroid Gland	14	2.40	1	1.15	0	0.00	1	1.93	1	0.64	0	0.00	17	1.57
Total	287	49.16	29	33.44	8	7.90	12	23.18	27	17.40	11	10.45	374	34.50

Nineveh
Populations Number : 3,633,648
Cancer Cases Number :1,711
Incidence Rate: 47.09/100,000 Nineveh Populations



3.4.17. Nineveh governorate

Table No.; (84) Distribution of Top Ten Cancer in Nineveh, Iraq, 2017

Top Ten	No.	%
Breast	538	31.44
Leukemia	130	7.60
Colorectal	103	6.02
Bronchus & Lung	99	5.79
Non-Hodgkin Lymphoma	99	5.79
Prostate	54	3.16
Hodgkin Lymphoma	53	3.10
Brain & other CNS Tumor	51	2.98
Stomach	51	2.98
Ovary	50	2.92
Other Site	483	28.23
Total	1,711	100.00%

Figure No.; (62) Incidence Rate of Top Ten Cancer in Nineveh \100,000 Nineveh Populations, Iraq, 2017

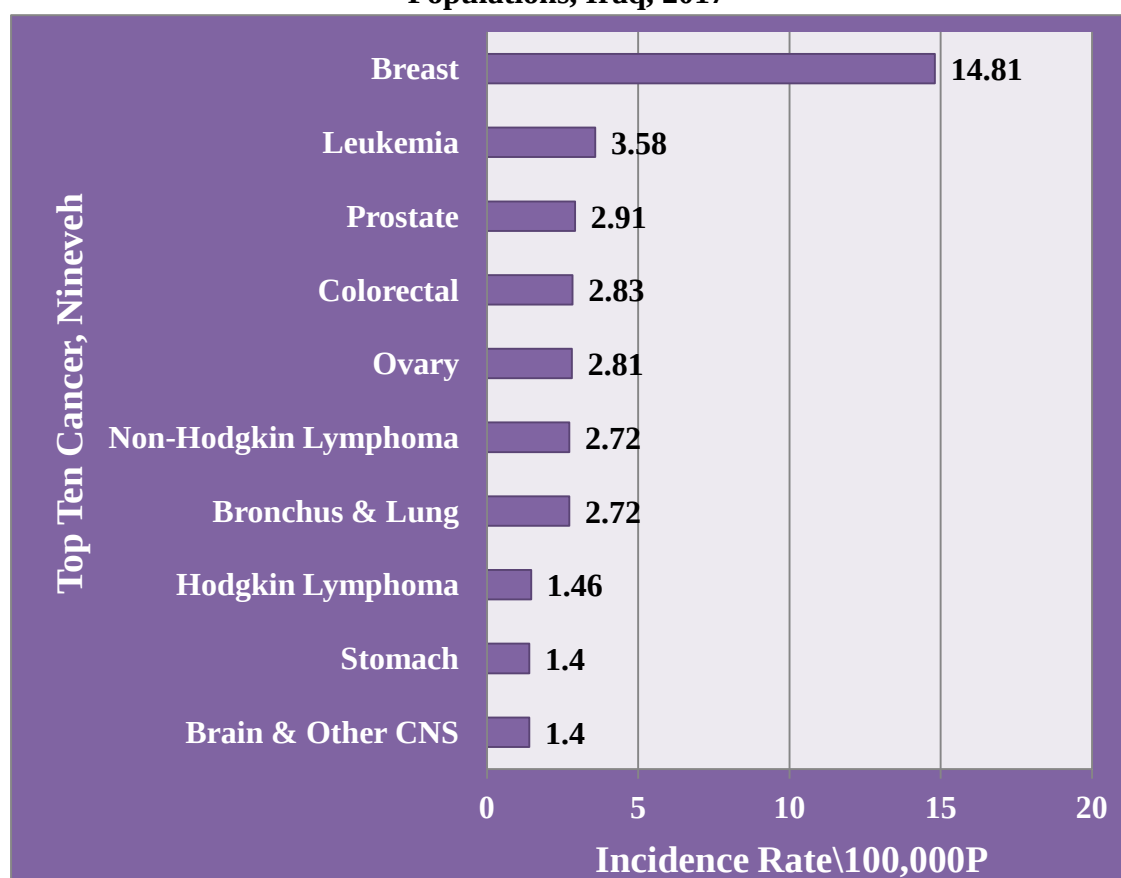


Table No.; (85) Distribution of Top Ten Cancer in Males, Nineveh, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	77	12.03
Leukemia	66	10.31
Colorectal	61	9.53
Prostate	54	8.44
Non-Hodgkin Lymphoma	51	7.97
Urinary Bladder	34	5.31
Stomach	33	5.16
Brain & other CNS Tumor	30	4.69
Hodgkin Lymphoma	26	4.06
Larynx	24	3.75
Other Site	184	28.75
Total	640	100.00%

Figure No.; (63) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Nineveh, Iraq, 2017

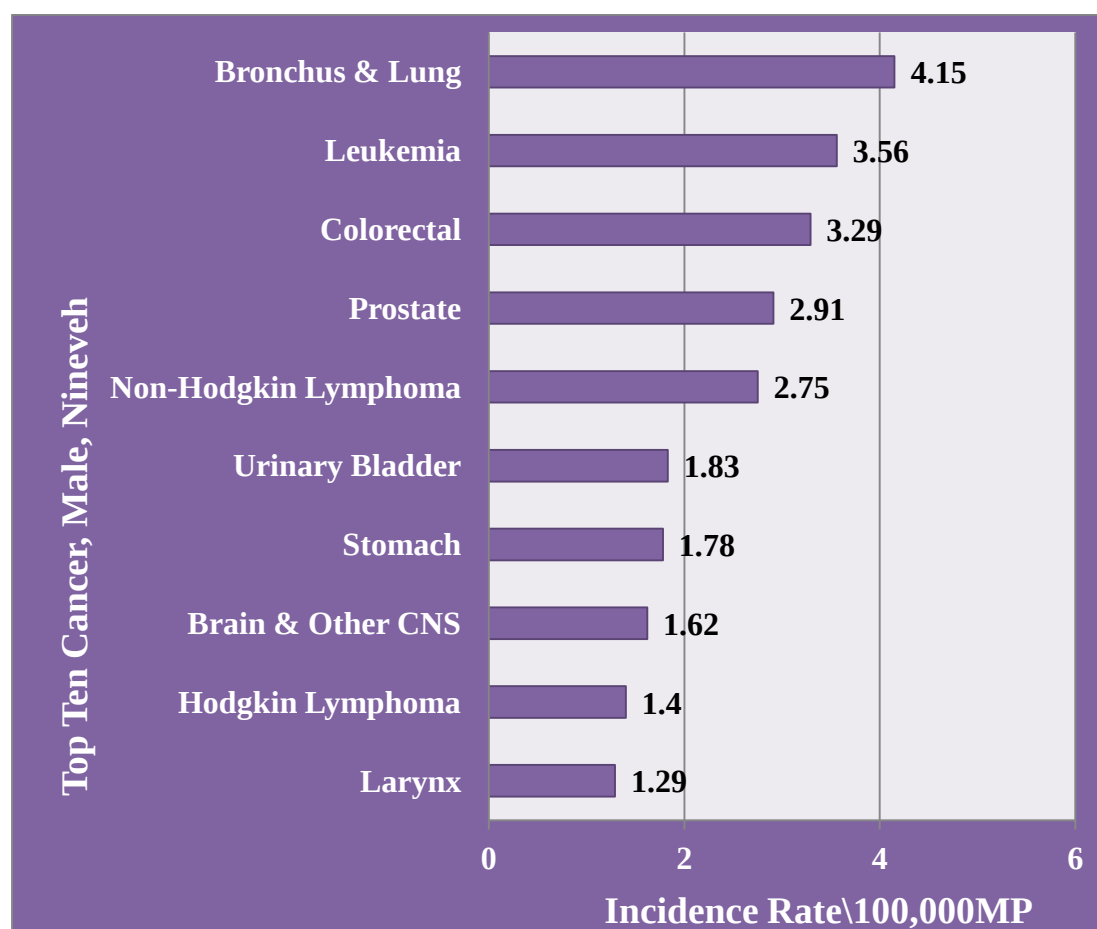


Table No.; (86) Distribution of Top Ten Cancer in Females, Nineveh, Iraq, 2017

Top Ten	No.	%
Breast	529	49.39
Leukemia	64	5.98
Ovary	50	4.67
Non-Hodgkin Lymphoma	48	4.48
Colorectal	42	3.92
Thyroid Gland	38	3.55
Hodgkin Lymphoma	27	2.52
Uterus Unspecified	26	2.43
Unknown Primary Site	23	2.15
Bronchus & Lung	22	2.05
Other Site	202	18.86
Total	1,071	100.00%

Figure No.; (64) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Nineveh, Iraq, 2017

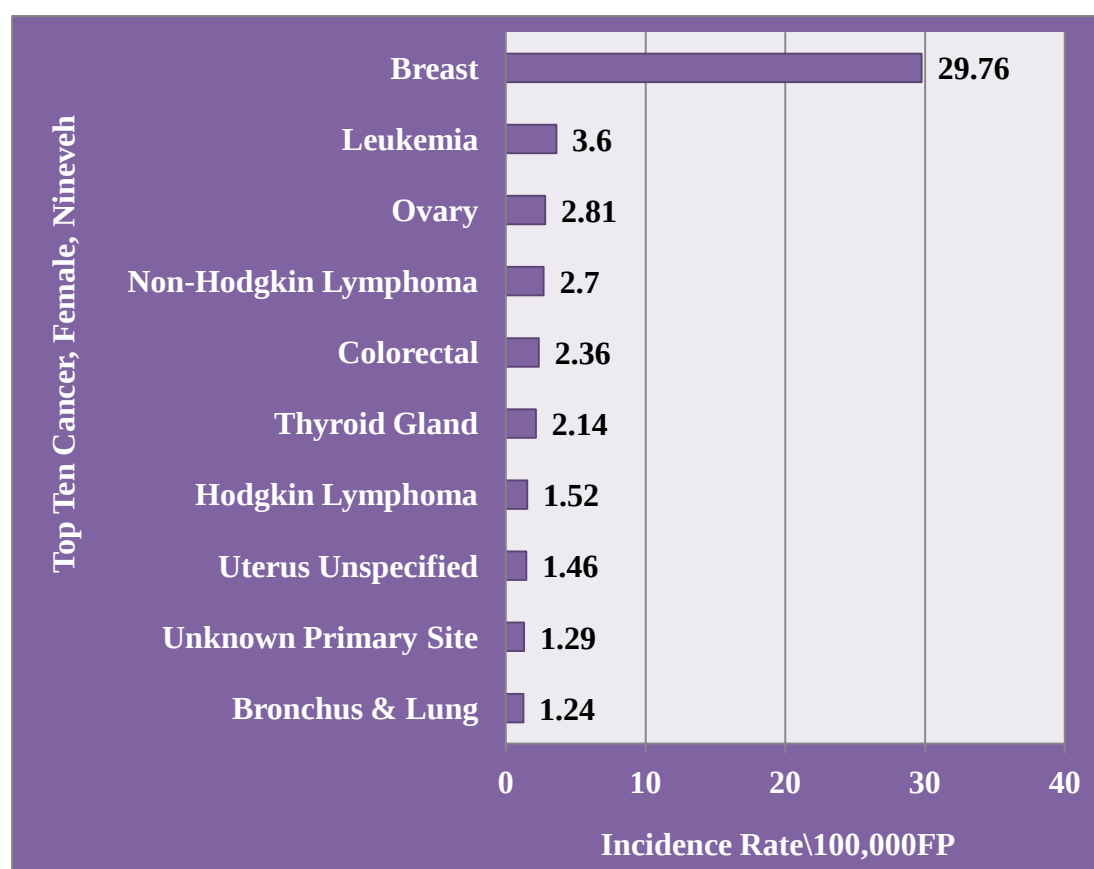
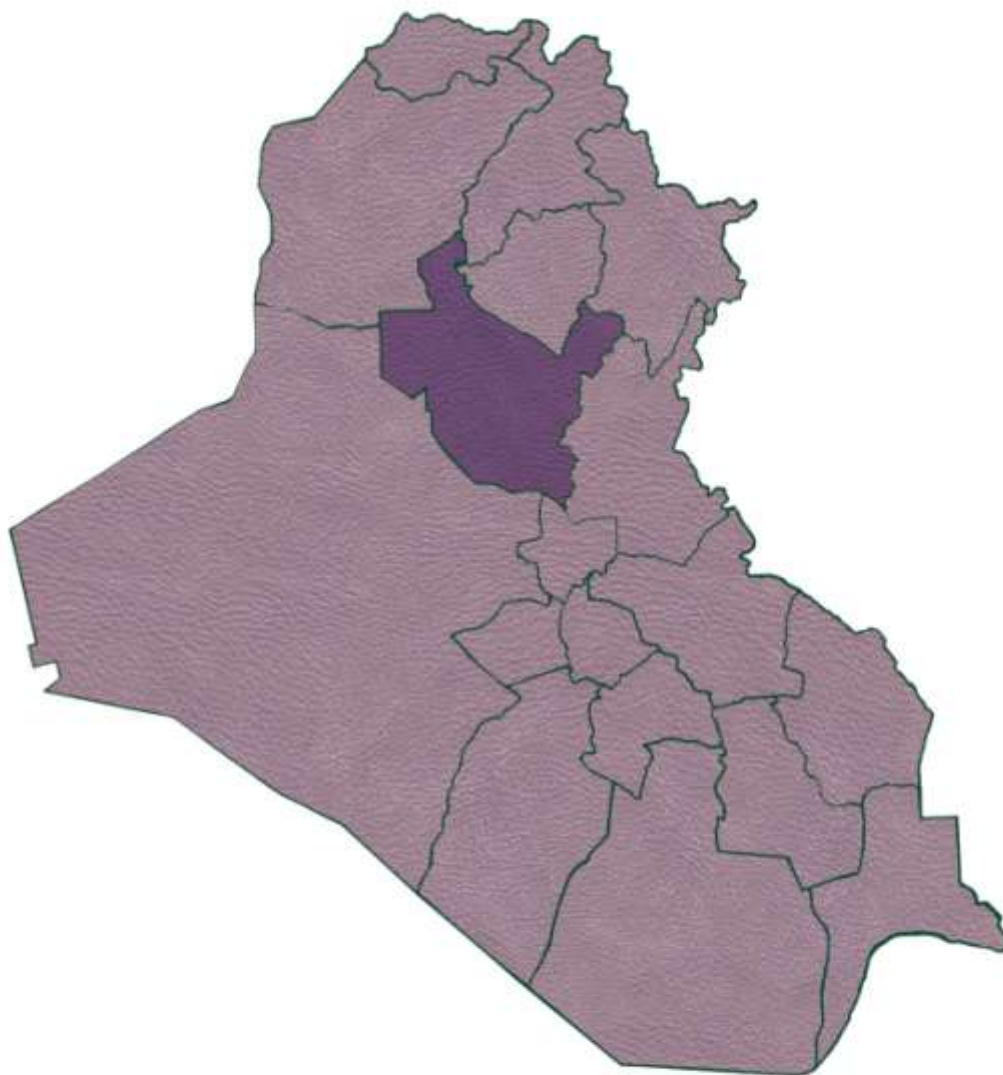


Table No.; (87) Number and Incidence Rate of Top Ten Cancer by Districts in Nineveh \100,000 Nineveh Populations, Iraq, 2017

Top Ten	Al Baaj		Al Hamdanyia		Al Hattra		Al Shikhan		Mosul		Sinjar		Tel Affar		Telkeif		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	1	0.57	18	8.77	1	1.73	6	14.00	441	23.76	21	6.62	32	6.43	18	8.79	538	14.81
Leukemia	3	1.72	4	1.95	0	0.00	2	4.67	91	4.90	9	2.84	17	3.41	4	1.95	130	3.58
Colorectal	1	0.57	3	1.46	1	1.73	1	2.33	69	3.72	10	3.15	15	3.01	3	1.46	103	2.83
Bronchus & Lung	1	0.57	2	0.97	0	0.00	1	2.33	57	3.07	18	5.67	17	3.41	3	1.46	99	2.72
Non-Hodgkin Lymphoma	4	2.29	3	1.46	0	0.00	0	0.00	72	3.88	7	2.21	5	1.00	8	3.91	99	2.72
Prostate	0	0.00	7	3.41	0	0.00	1	2.33	43	2.32	1	0.32	2	0.40	0	0.00	54	1.49
Hodgkin Lymphoma	1	0.57	3	1.46	0	0.00	0	0.00	40	2.16	1	0.32	5	1.00	3	1.46	53	1.46
Brain & other CNS Tumor	0	0.00	1	0.49	0	0.00	0	0.00	35	1.89	4	1.26	8	1.61	3	1.46	51	1.40
Stomach	0	0.00	1	0.49	0	0.00	0	0.00	32	1.72	5	1.58	12	2.41	1	0.49	51	1.40
Ovary	0	0.00	3	1.46	1	1.73	0	0.00	38	2.05	4	1.26	4	0.80	0	0.00	50	1.38
Total	11	6.29	45	21.93	3	5.18	11	25.67	918	49.46	80	25.20	117	23.50	43	20.99	1228	33.80

Salaheldin
Populations Number : 1,554,037
Cancer Cases Number :711
Incidence Rate: 45.75/100,000 Salaheldin Populations



3.4.18. Salaheldin governorate

Table No.; (88) Distribution of Top Ten Cancer in Salaheldin, Iraq, 2017

Top Ten	No.	%
Breast	150	21.10
Leukemia	61	8.58
Non-Hodgkin Lymphoma	51	7.17
Skin	37	5.20
Bronchus & Lung	36	5.06
Colorectal	31	4.36
Thyroid Gland	31	4.36
Urinary Bladder	31	4.36
Brain & other CNS Tumor	24	3.38
Unknown Primary Site	22	3.09
Other Site	237	33.33
Total	711	100.00%

**Figure No.; (65) Incidence Rate of Top Ten Cancer in Salaheldin \100,000
Salaheldin Populations, Iraq, 2017**

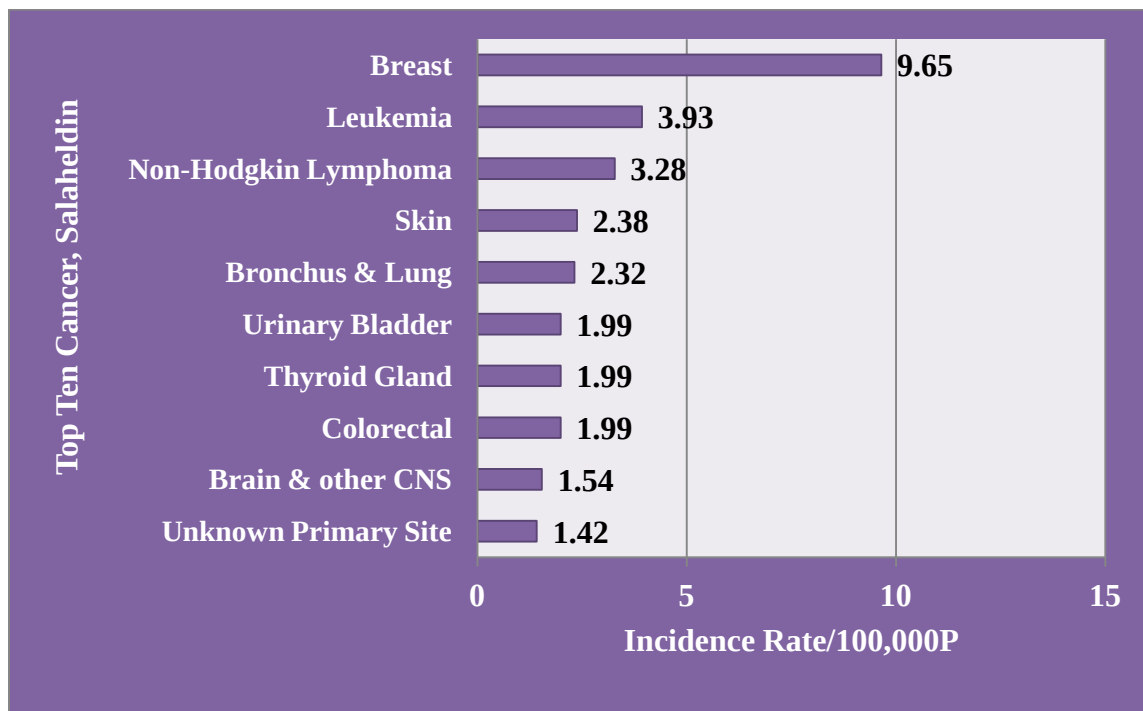


Table No.; (89) Distribution of Top Ten Cancer in Males, Salaheldin, Iraq, 2017

Top Ten	No.	%
Leukemia	35	11.99
Urinary Bladder	26	8.90
Non-Hodgkin Lymphoma	23	7.88
Bronchus & Lung	21	7.19
Skin	20	6.85
Unknown Primary Site	16	5.48
Prostate	15	5.14
Colorectal	13	4.45
Kidney	13	4.45
Brain & other CNS Tumor	11	3.77
Other Site	99	33.90
Total	292	100.00%

Figure No.; (66) Incidence Rate of Top Ten Cancer in Males \ 100,000 Male Populations, Salaheldin, Iraq, 2017

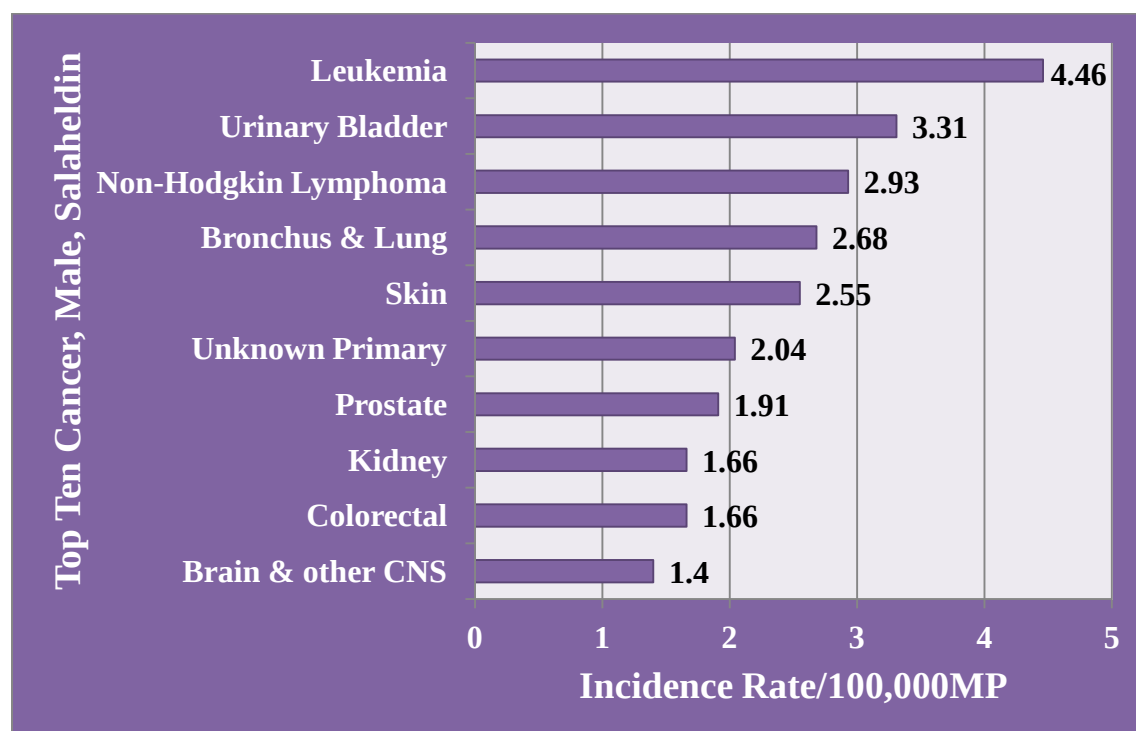


Table No.; (90) Distribution of Top Ten Cancer in Females, Salaheldin, Iraq, 2017

Top Ten	No.	%
Breast	147	35.08
Non-Hodgkin Lymphoma	28	6.68
Leukemia	26	6.21
Thyroid Gland	20	4.77
Colorectal	18	4.30
Skin	17	4.06
Bronchus & Lung	15	3.58
Brain & other CNS Tumor	13	3.10
Ovary	12	2.86
Uterus Unspecified	12	2.86
Other Site	111	26.49
Total	419	100.00%

Figure No.; (67) Incidence Rate of Top Ten Cancer in Females \ 100,000 Female Populations, Salaheldin, Iraq, 2017

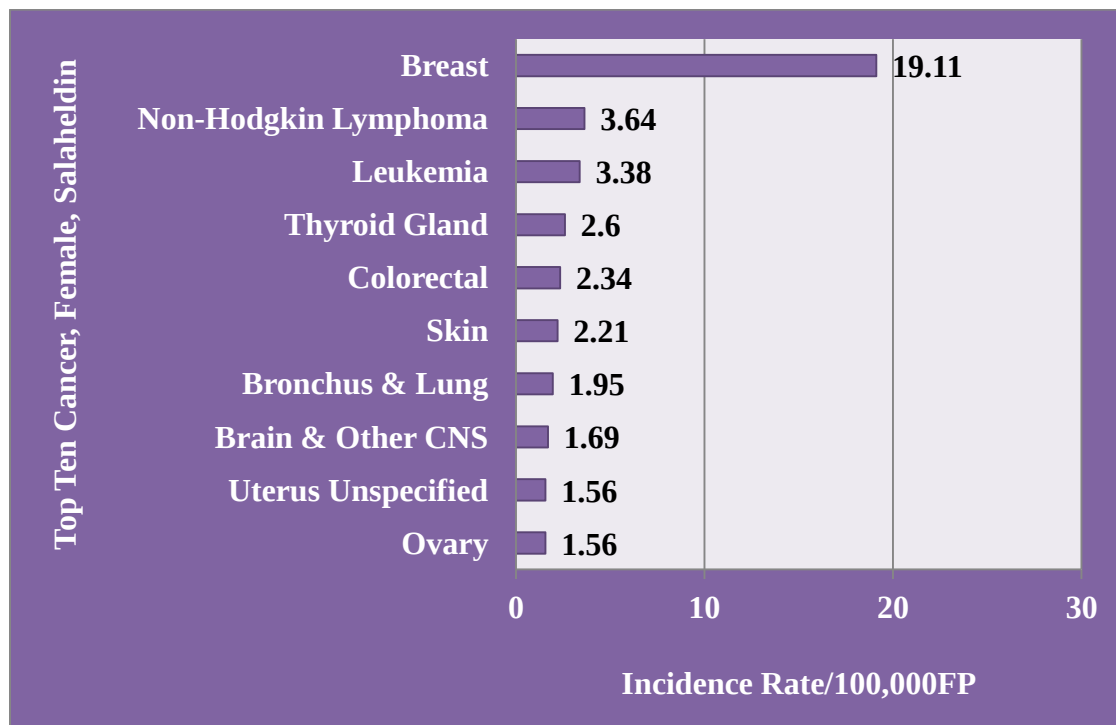


Table No.; (91) Number and Incidence Rate of Top Ten Cancer by Districts in Salaheldin \100,000 Salaheldin Populations, Iraq, 2017

Top Ten	Al Door		Al Faris		Al Shirkatt		Balad		Beigy		Dooz		Sammara		Tikrit		Total	
	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR	No.	IR
Breast	2	2.89	3	2.81	22	10.39	15	5.48	6	2.78	10	6.83	27	11.18	65	26.71	150	9.65
Leukemia	2	2.89	4	3.74	2	0.94	9	3.29	4	1.85	9	6.14	14	5.80	17	6.99	61	3.93
Non-Hodgkin Lymphoma	0	0.00	2	1.87	7	3.31	15	5.48	4	1.85	1	0.68	9	3.73	13	5.34	51	3.28
Skin	0	0.00	0	0.00	0	0.00	6	2.19	1	0.46	5	3.41	4	1.66	21	8.63	37	2.38
Bronchus & Lung	2	2.89	0	0.00	2	0.94	6	2.19	4	1.85	3	2.05	5	2.07	14	5.75	36	2.32
Colorectal	0	0.00	0	0.00	2	0.94	5	1.83	2	0.93	3	2.05	9	3.73	10	4.11	31	1.99
Thyroid Gland	0	0.00	0	0.00	2	0.94	7	2.56	4	1.85	0	0.00	9	3.73	9	3.70	31	1.99
Urinary Bladder	0	0.00	4	3.74	3	1.42	2	0.73	0	0.00	2	1.37	7	2.90	13	5.34	31	1.99
Brain & other CNS Tumor	0	0.00	0	0.00	2	0.94	4	1.46	2	0.93	4	2.73	3	1.24	9	3.70	24	1.54
Unknown Primary Site	0	0.00	0	0.00	1	0.47	5	1.83	1	0.46	0	0.00	6	2.48	9	3.70	22	1.42
Total	6	8.67	13	12.16	43	20.32	74	27.01	28	12.97	37	25.26	93	38.51	180	73.97	474	30.50

Results

Morphology of Top Ten Cancers in Iraq 2017

3.5. Morphology of top ten cancers in Iraq in 2017:

3.5.1 Morphology of the top ten cancers in males, Iraq, 2017

Figure No.; (68-77) shows the morphology of the top ten cancers in males in Iraq during the year 2017.

Figure No.; (68) Bronchus & Lung Cancer in Males by the Type of Morphology, Iraq, 2017

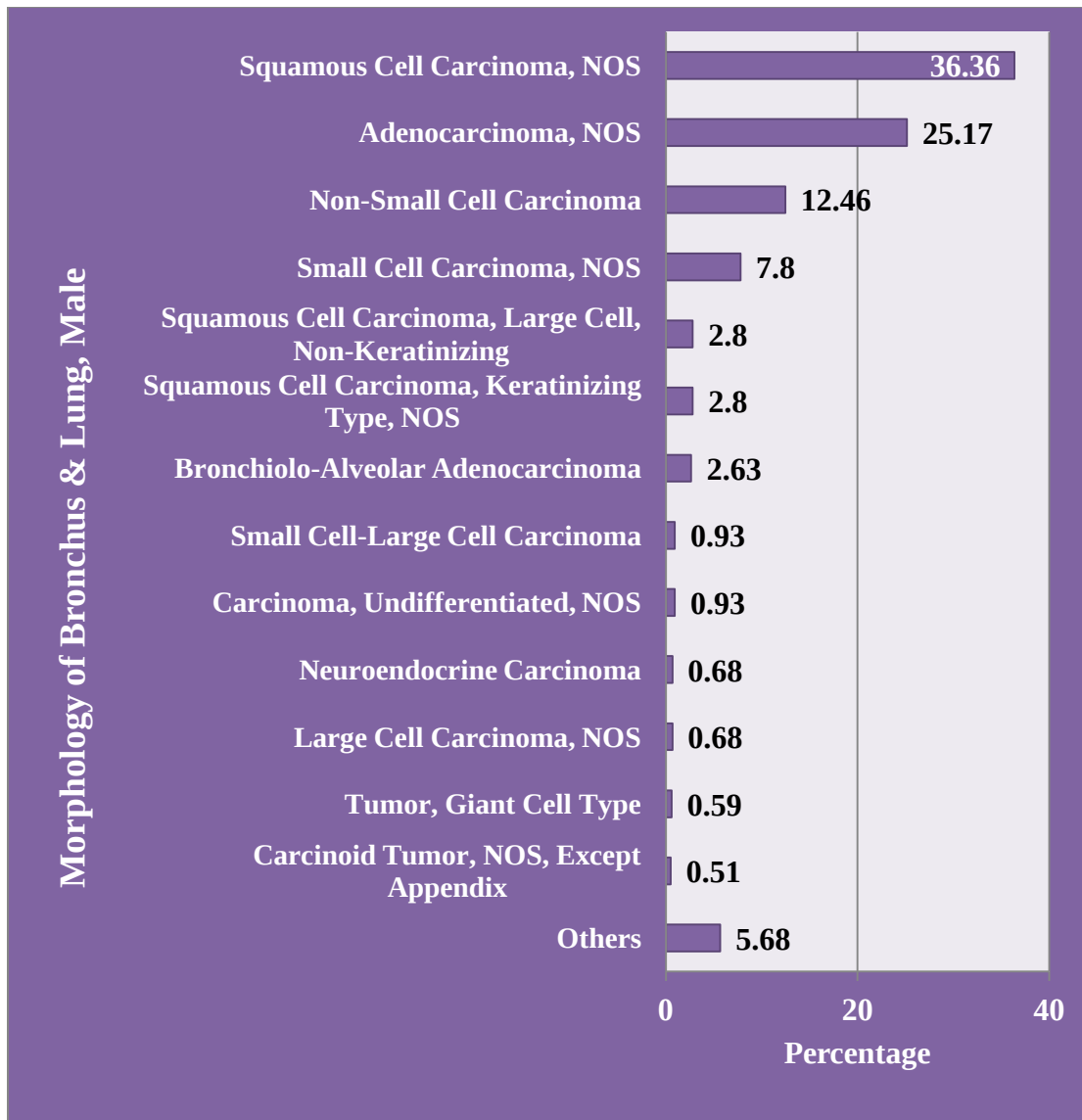


Figure No.; (69) Leukemia in Males by the Type of Morphology, Iraq, 2017

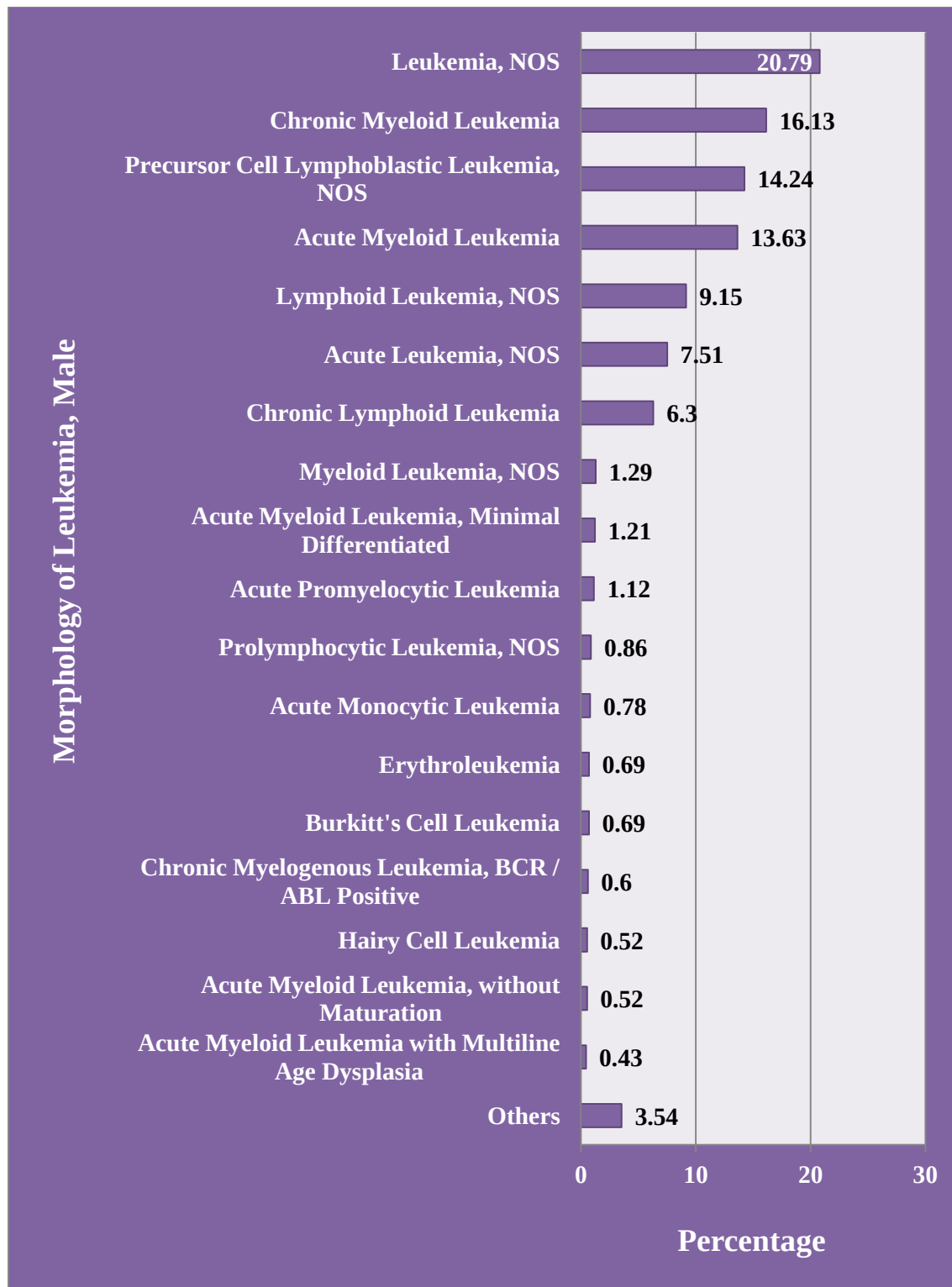


Figure No.; (70) Urinary Bladder Cancer in Males by the Type of Morphology, Iraq, 2017

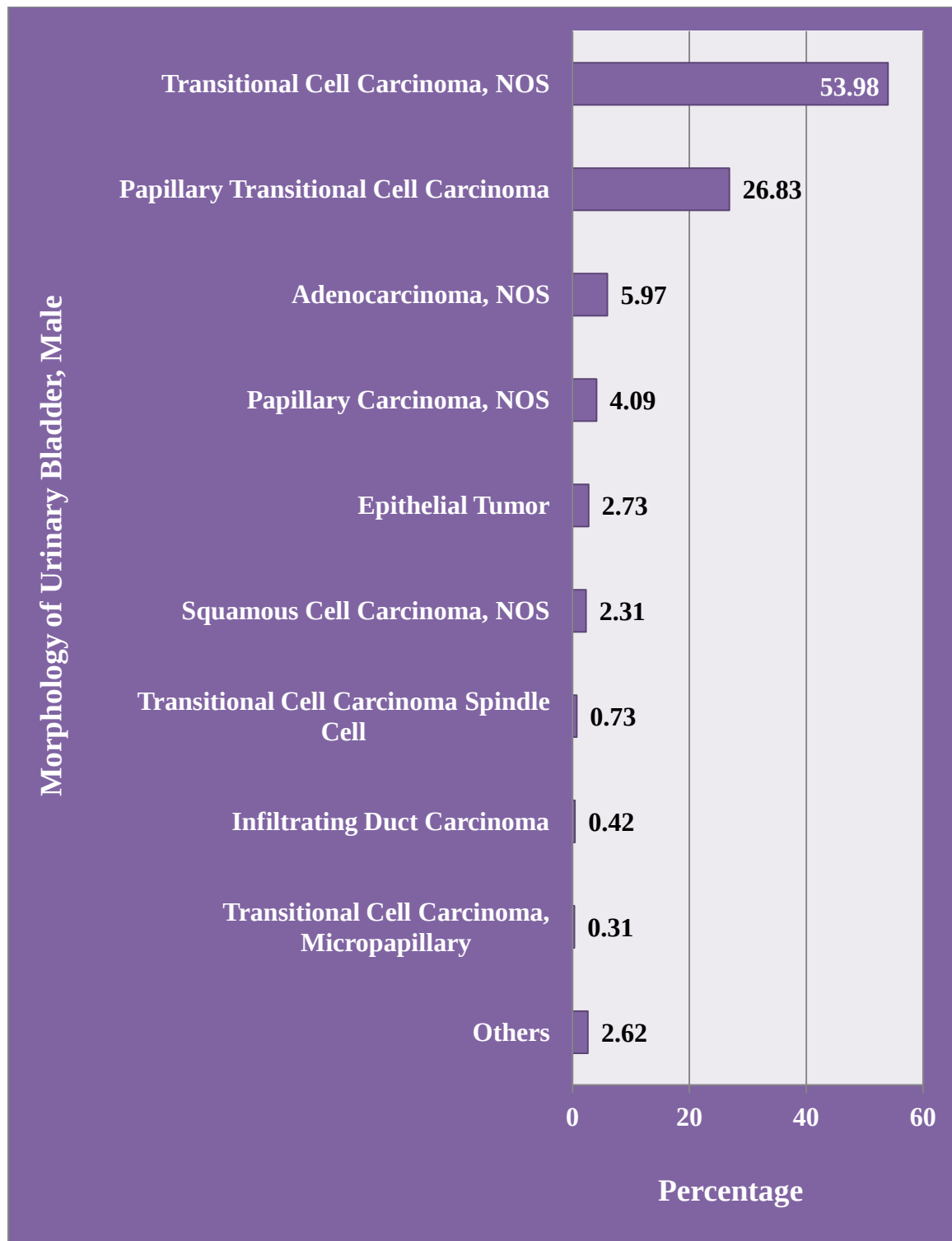


Figure No.; (71) Colorectal Cancer in Males by the Type of Morphology, Iraq, 2017

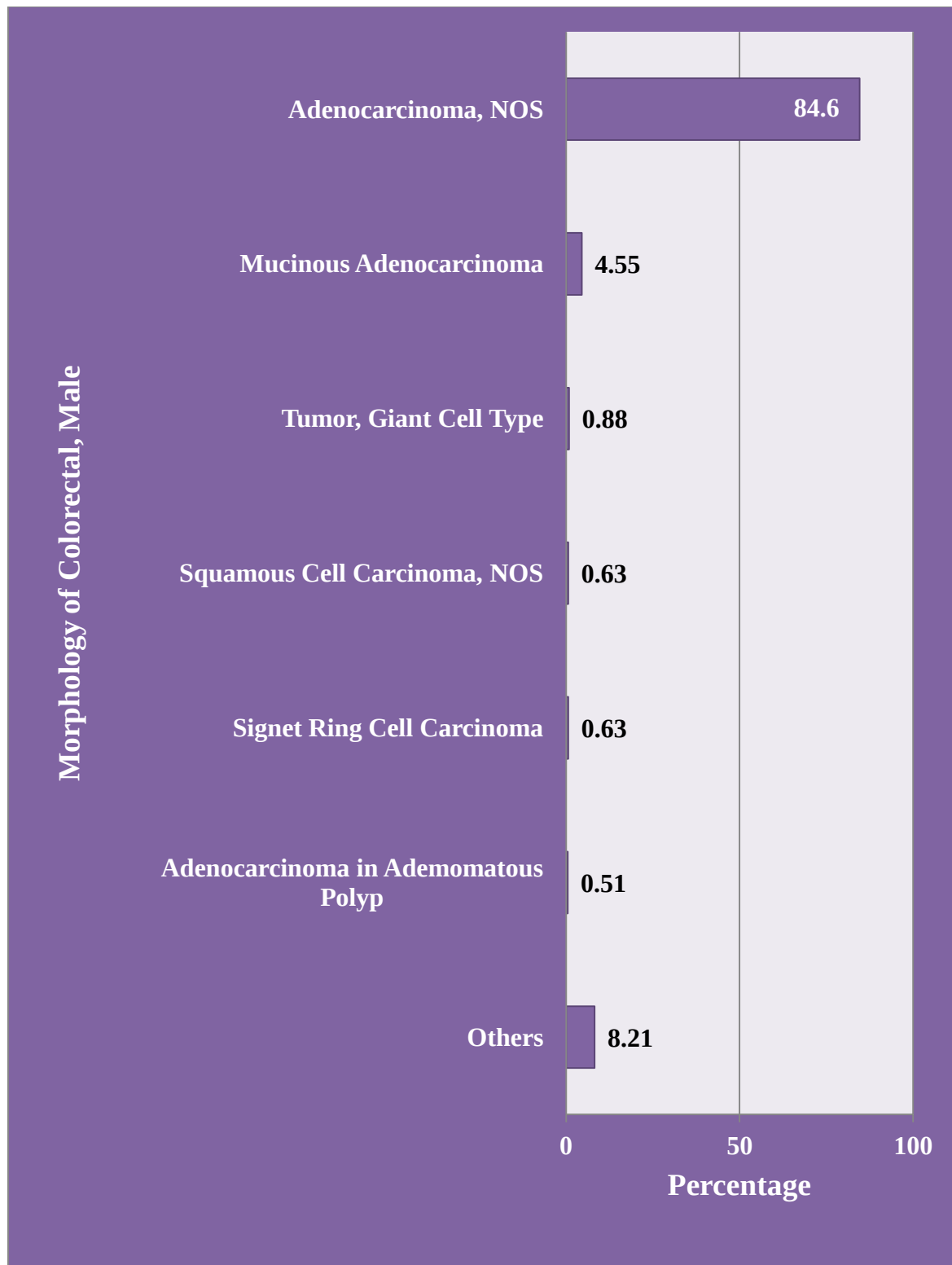


Figure No.; (72) Prostate Cancer by the Type of Morphology, Iraq, 2017

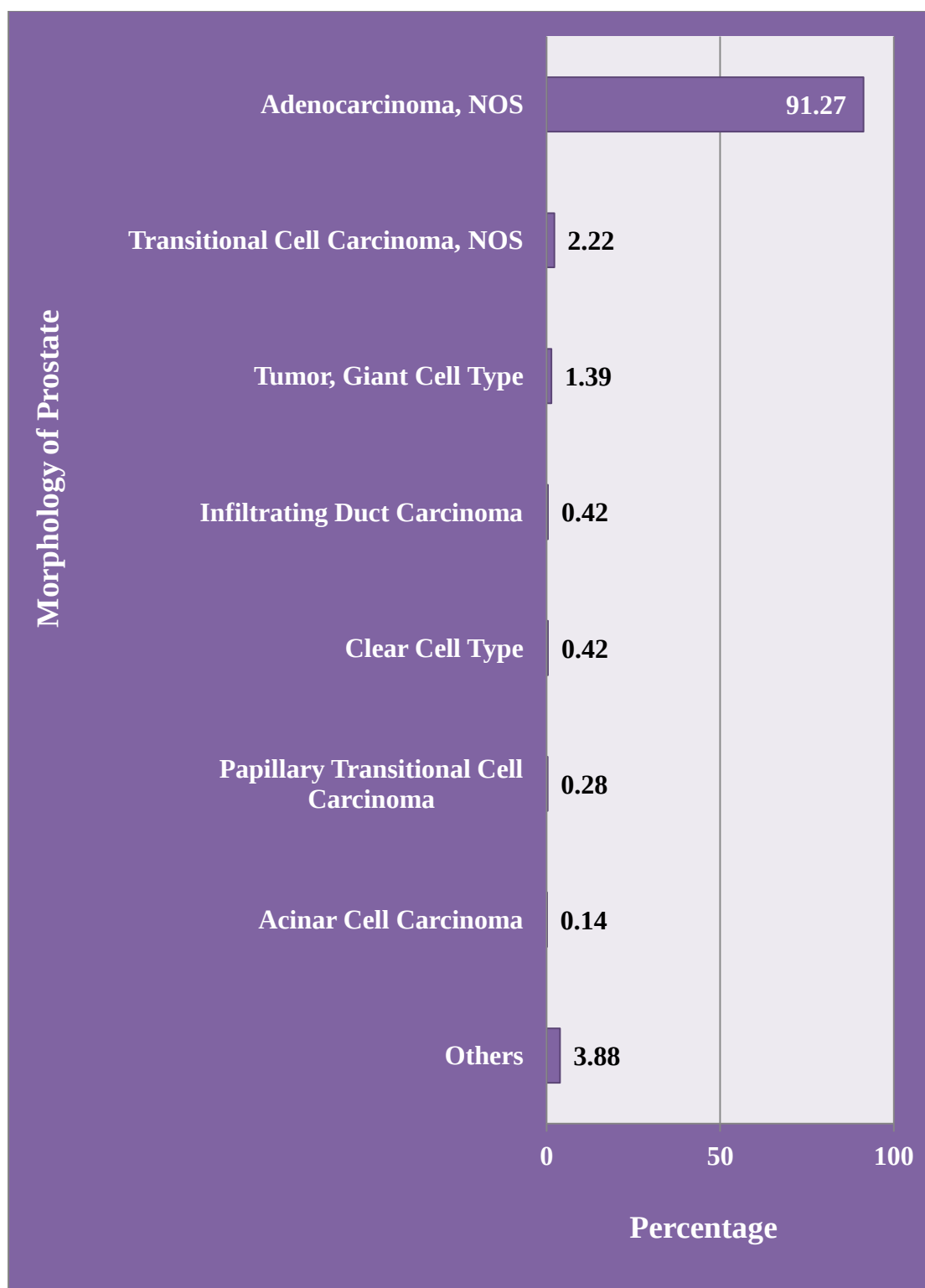


Figure No.; (73) Non-Hodgkin lymphomas in Males by the Type of Morphology, Iraq, 2017

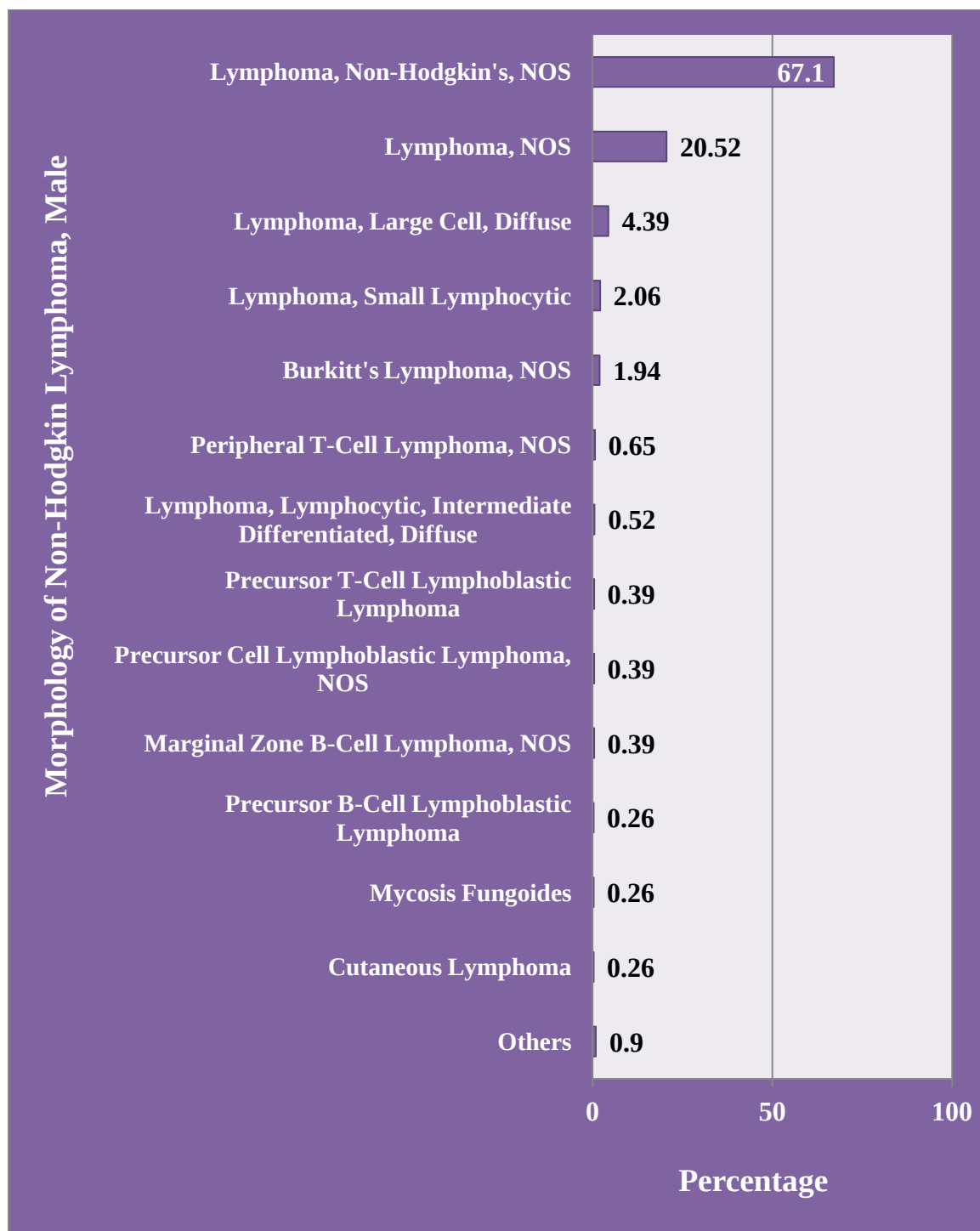


Figure No.; (74) Brain & other CNS Tumor in Males by the Type of Morphology, Iraq, 2017

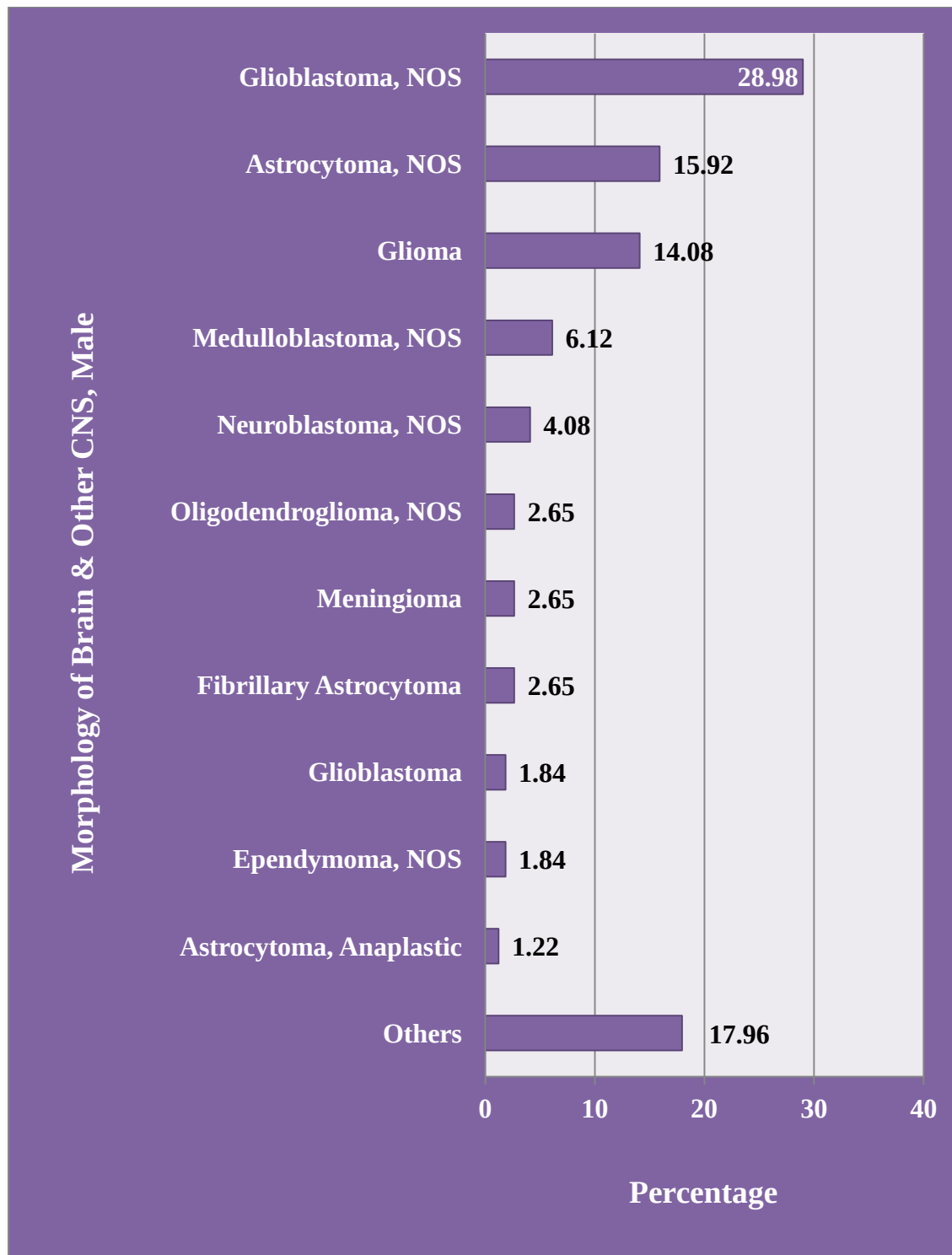


Figure No.; (75) Skin Cancer in Males by the Type of Morphology, Iraq, 2017

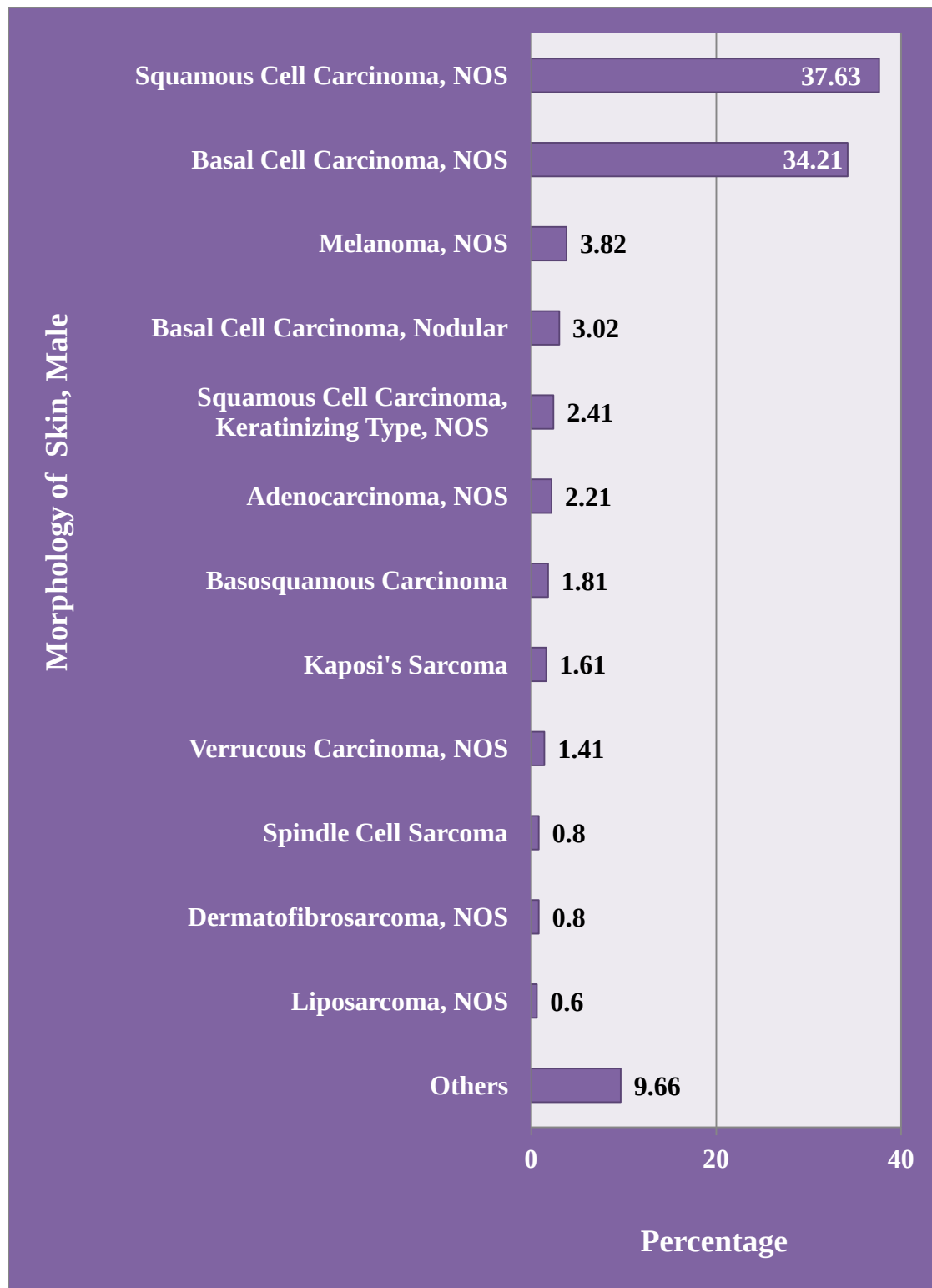


Figure No.; (76) Stomach Cancer in Males by the Type of Morphology, Iraq, 2017

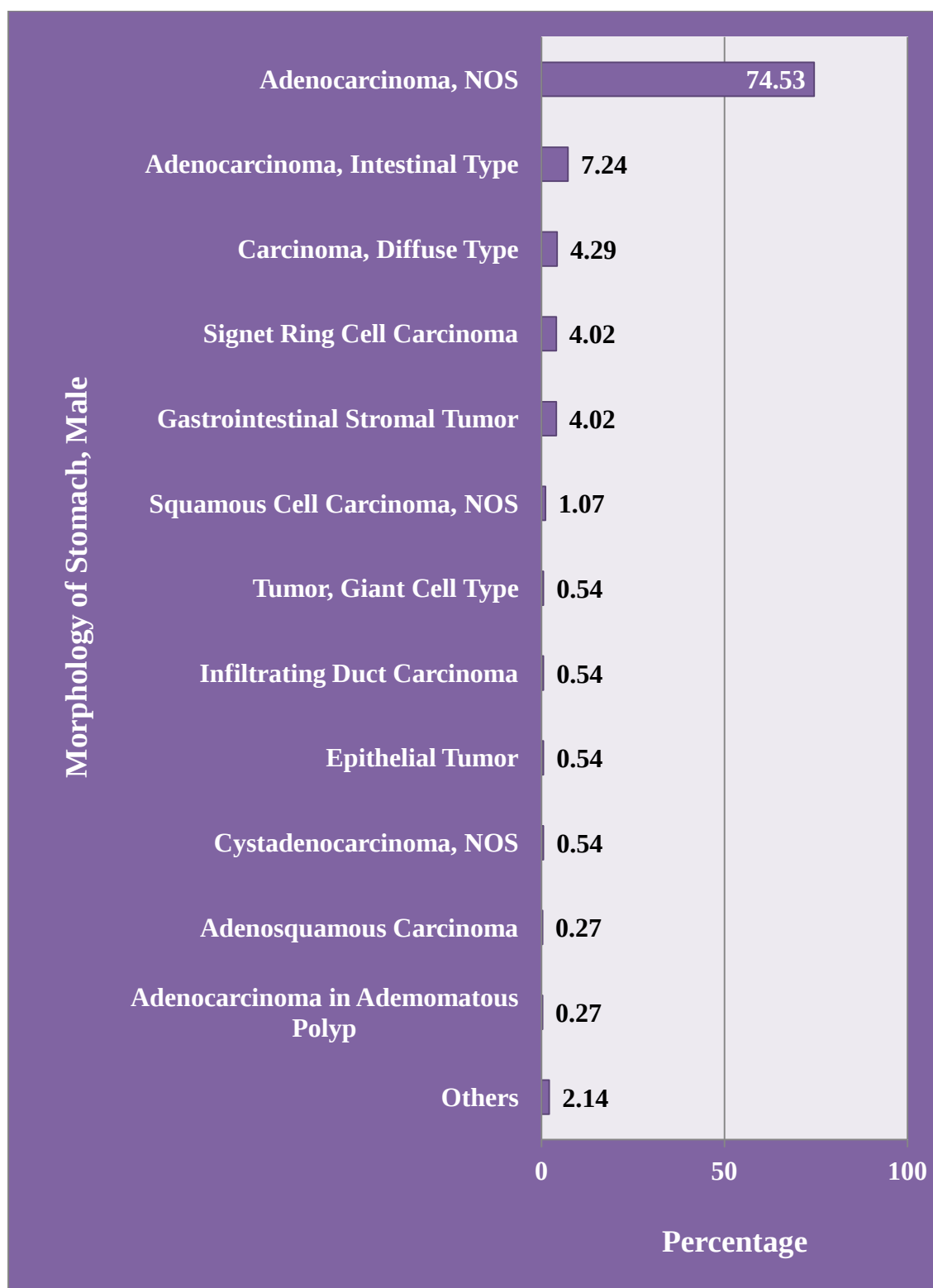
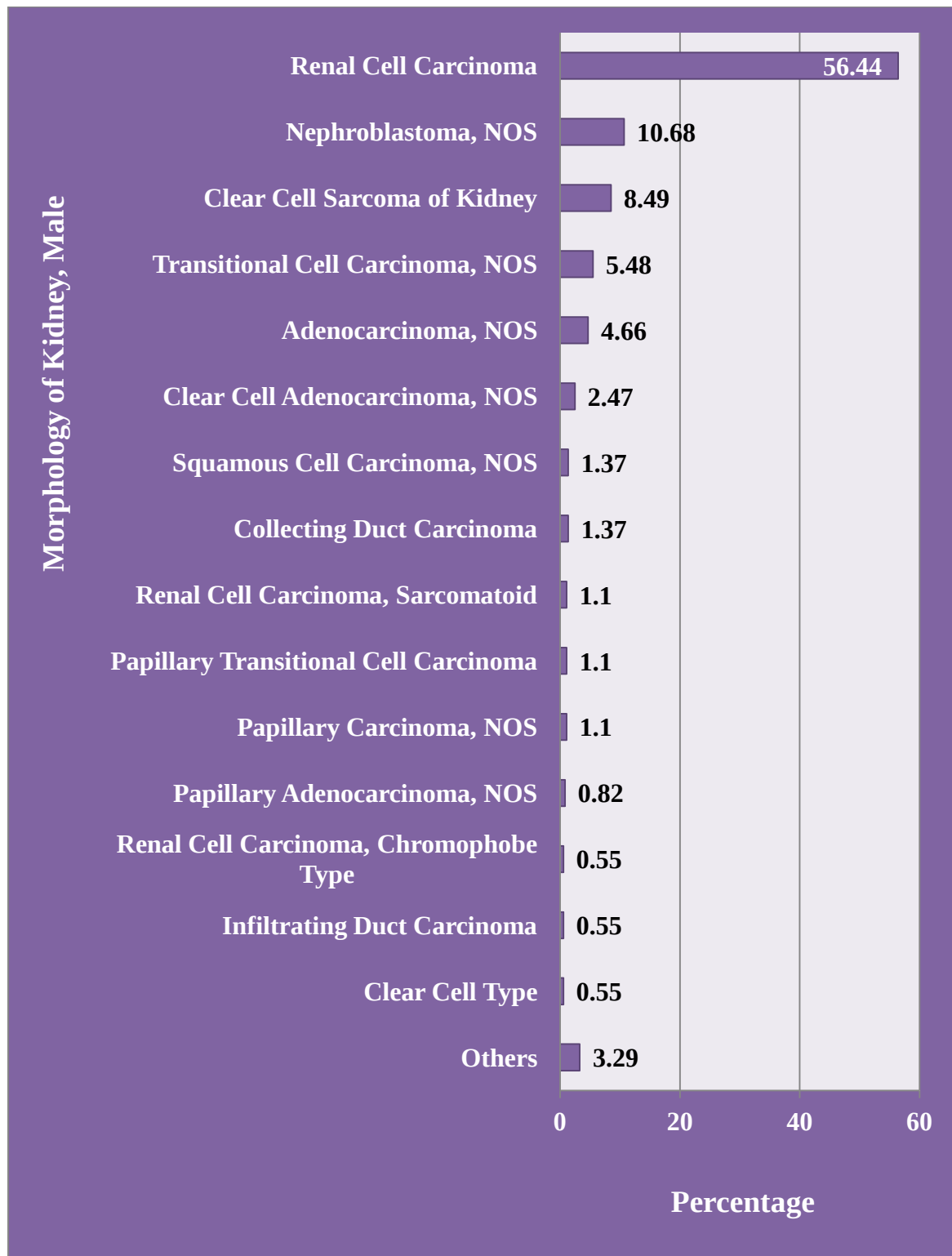


Figure No.; (77) Kidney Cancer in Males by the Type of Morphology, Iraq, 2017



3.5.2. Morphology of the top ten cancers in females, Iraq, 2017.

Figure No.; (78-87) shows the morphology of the top ten cancers in females in Iraq during the year 2017

Figure No.; (78) Breast Cancer in Females by the Type of Morphology, Iraq, 2017

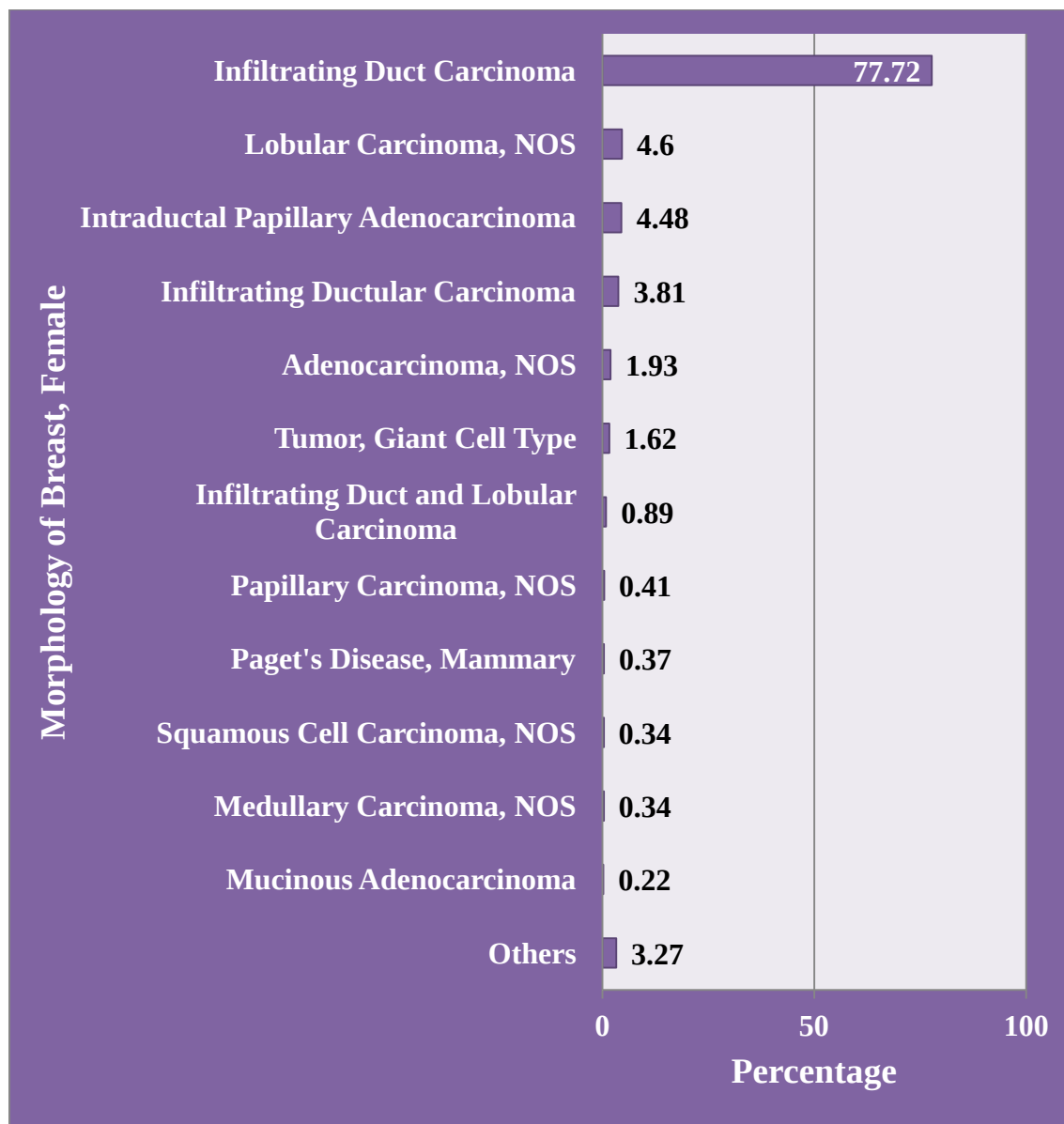


Figure No.; (79) Leukemia in Females by the Type of Morphology, Iraq, 2017

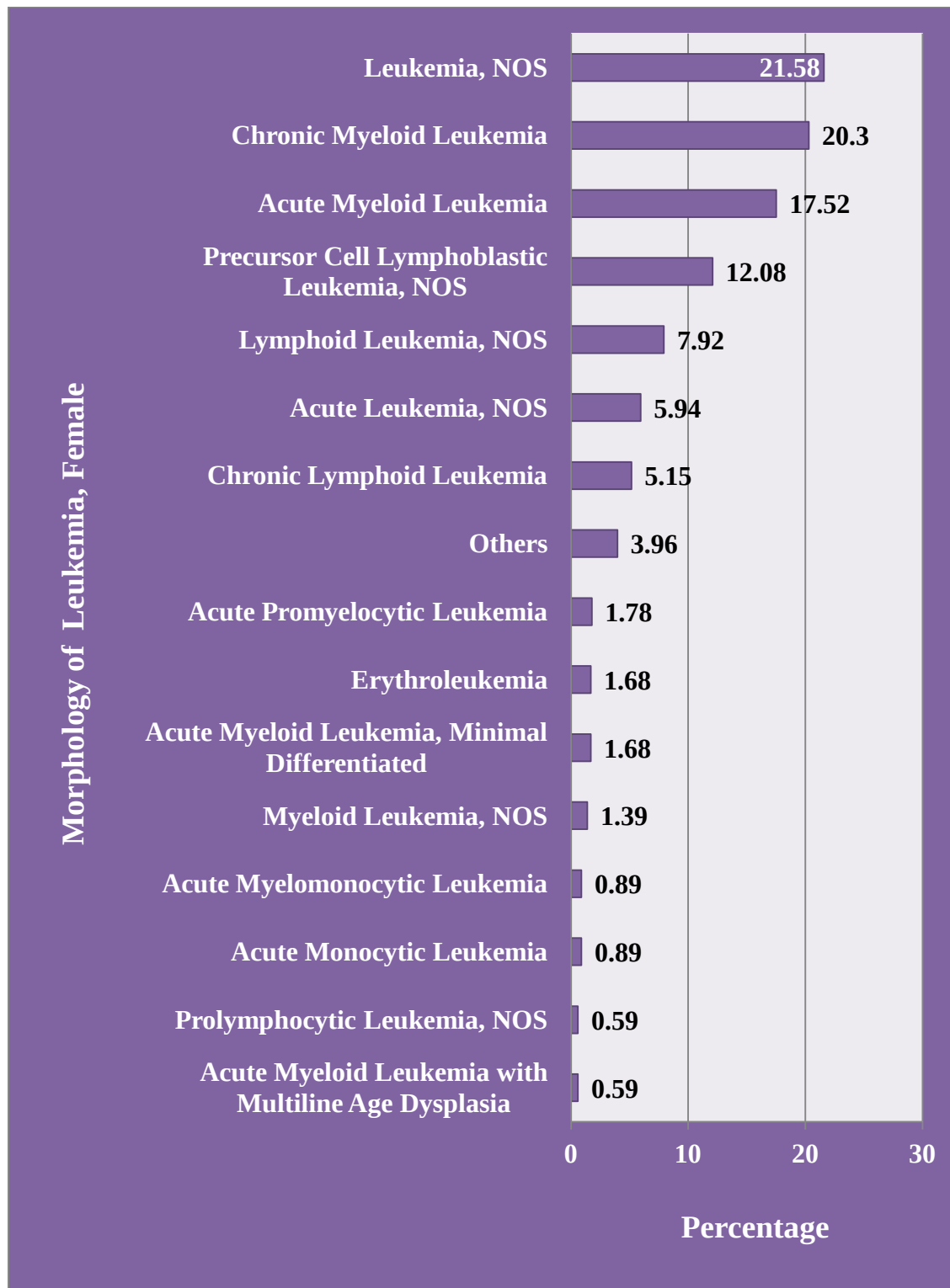


Figure No.; (80) Thyroid Gland Cancer in Females by the Type of Morphology, Iraq, 2017

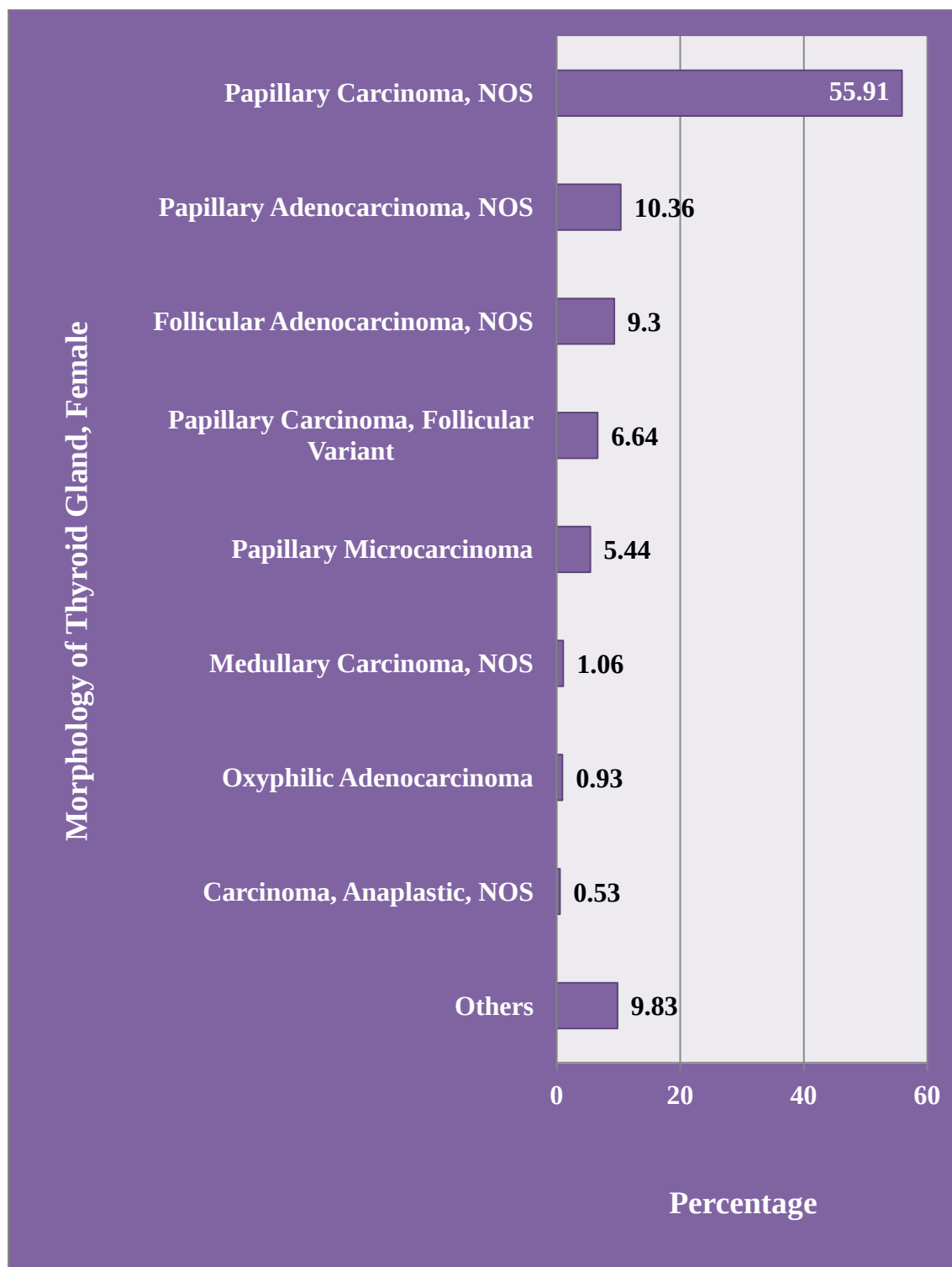


Figure No.; (81) Colorectal Cancer in Females by the Type of Morphology, Iraq, 2017

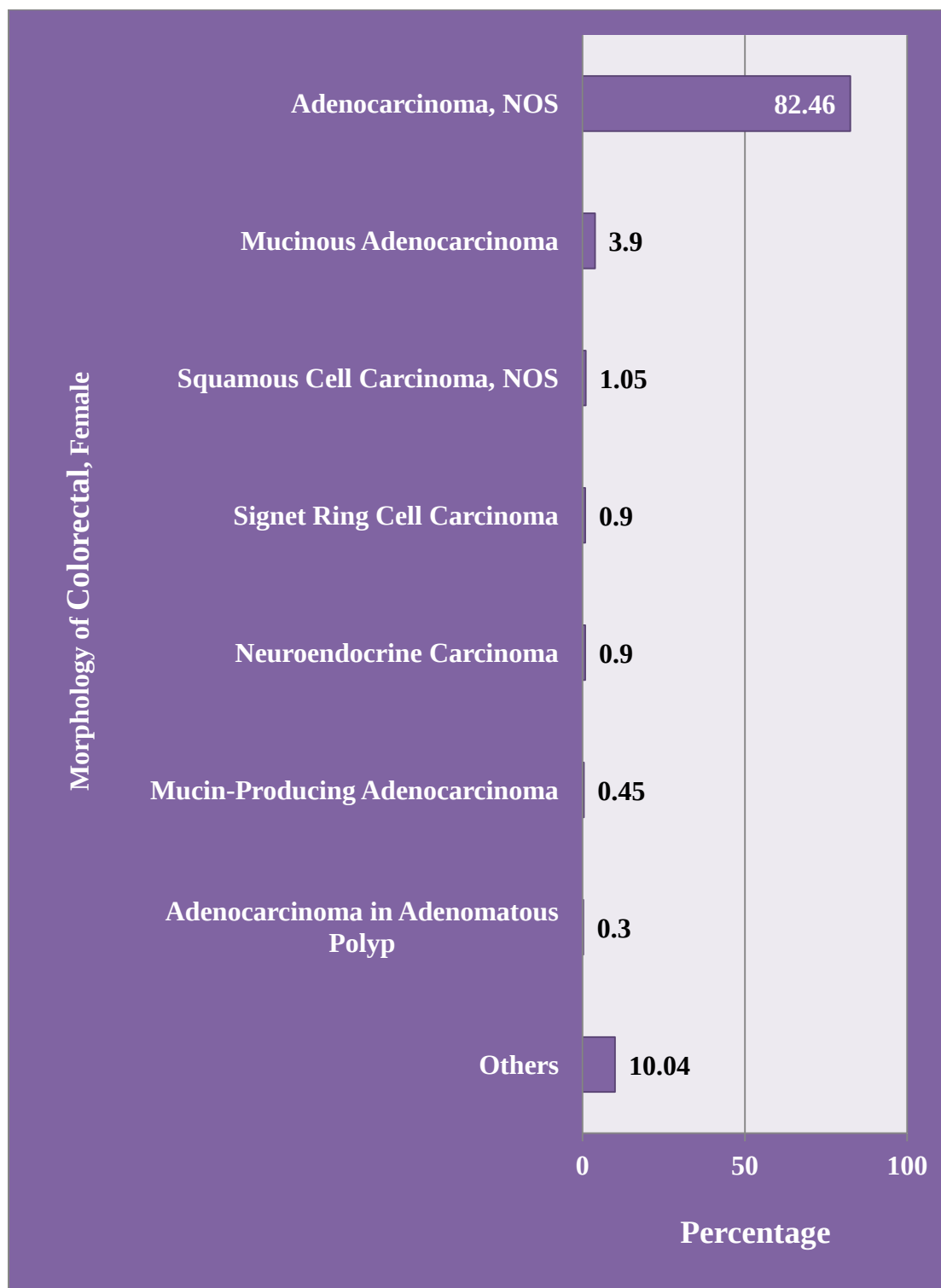


Figure No.; (82) Ovary Cancer by the Type of Morphology, Iraq, 2017

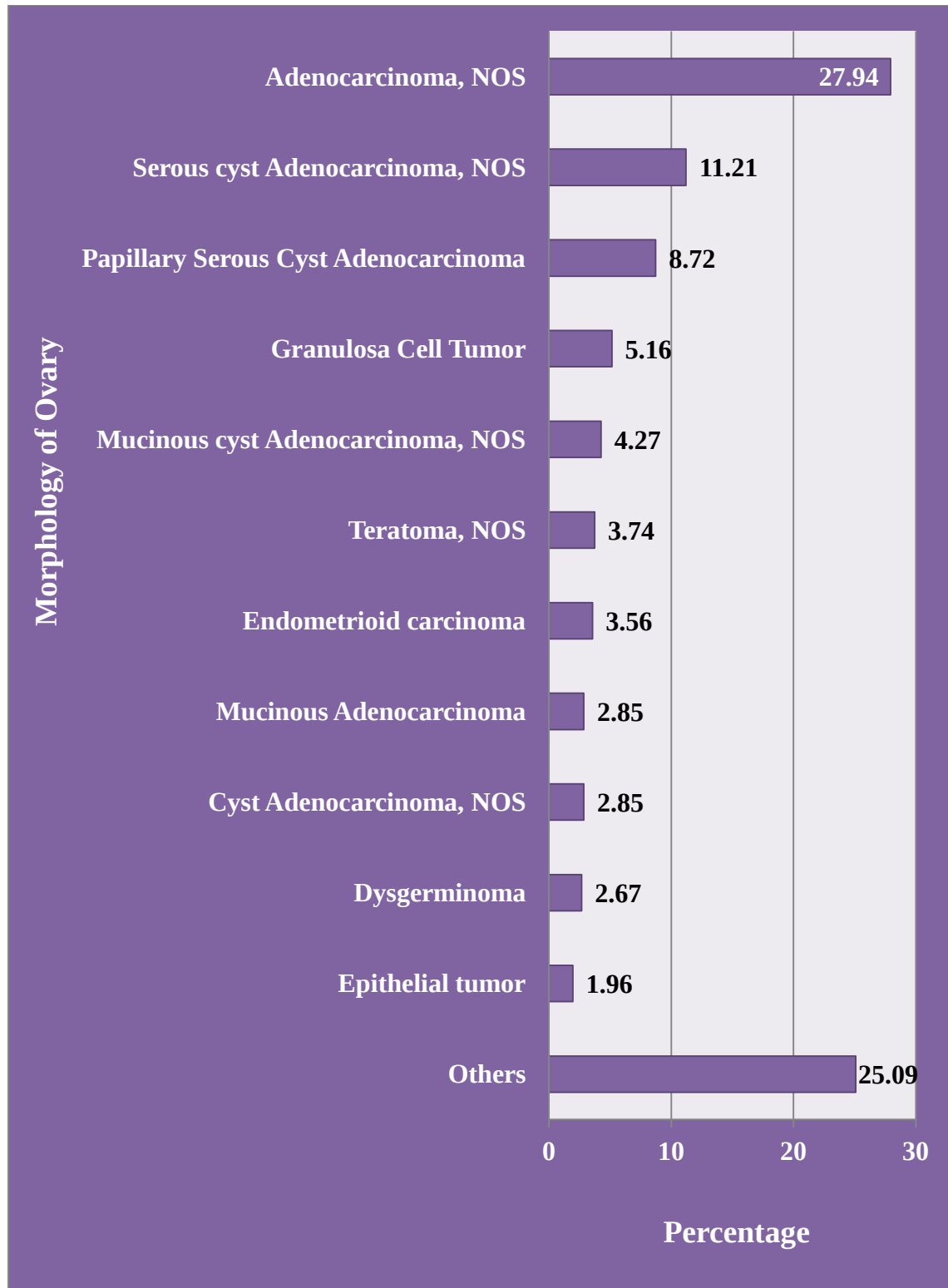


Figure No.; (83) Bronchus & Lung Cancer in Females by the Type of Morphology, Iraq, 2017

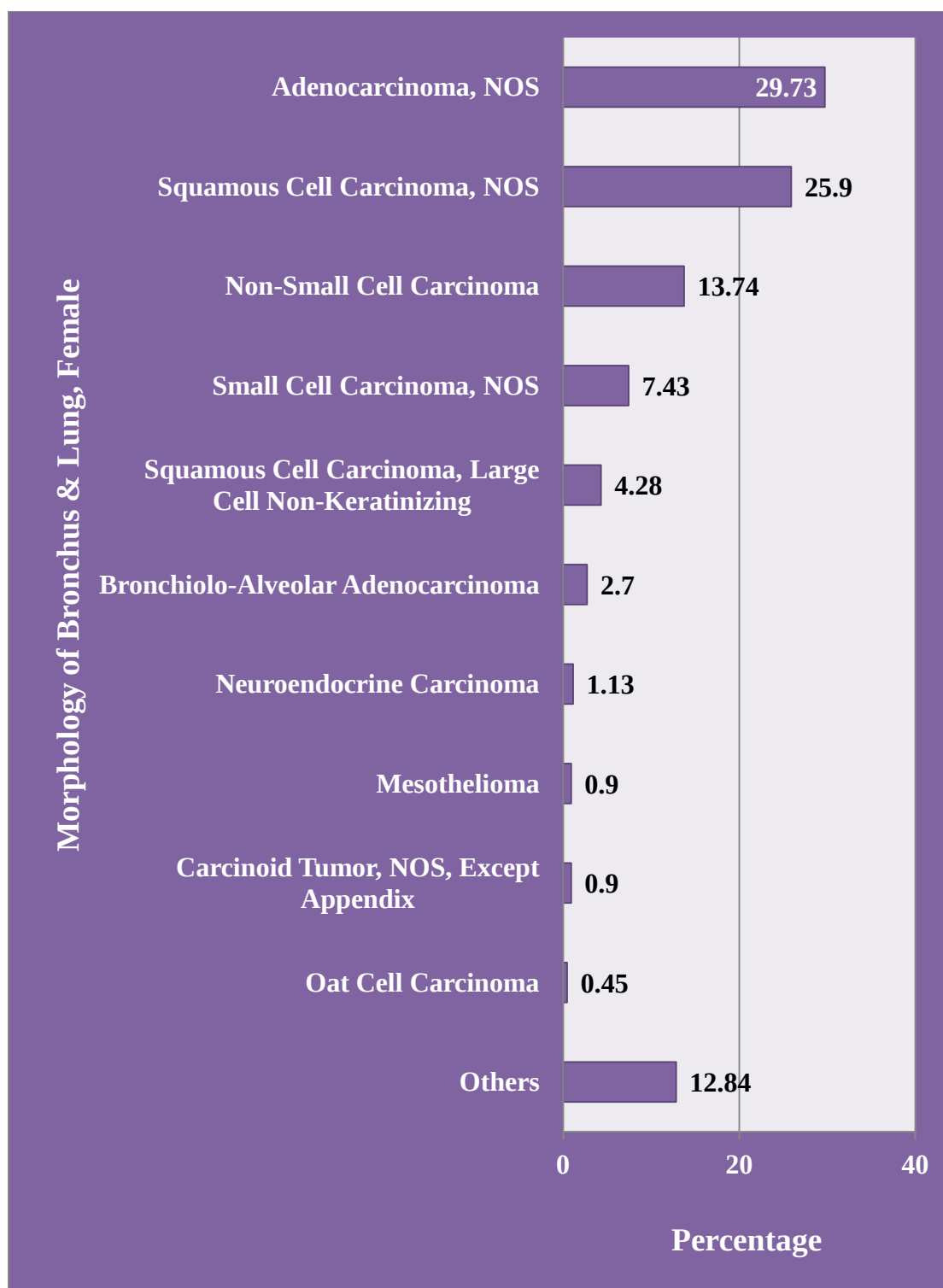


Figure No.; (84) Non-Hodgkin Lymphoma in Females by the Type of Morphology, Iraq, 2017

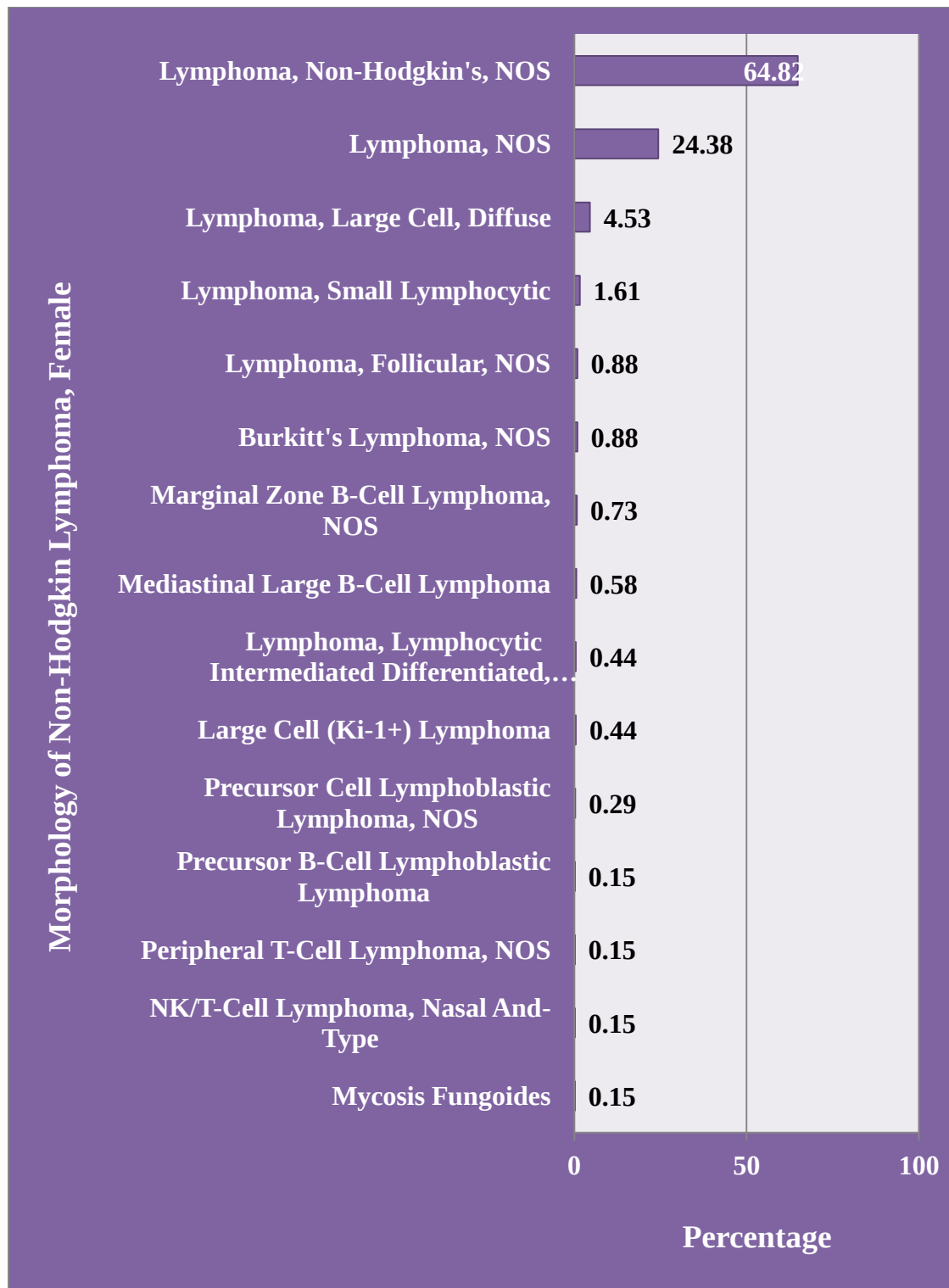


Figure No.; (85) Brain & other CNS Tumor in Females by the Type of Morphology, Iraq, 2017

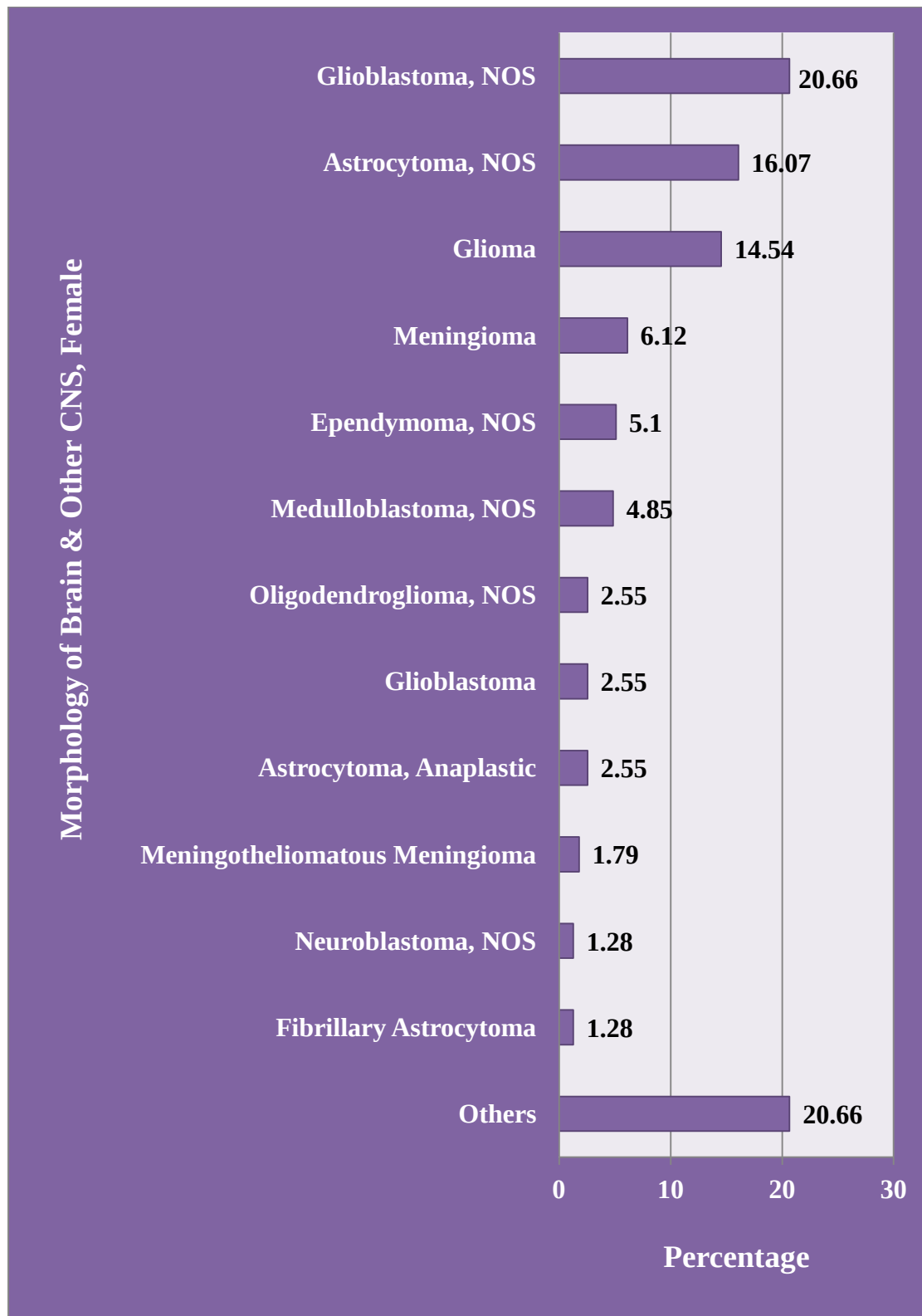


Figure No.; (86) Skin Cancer in Females by the Type of Morphology, Iraq, 2017

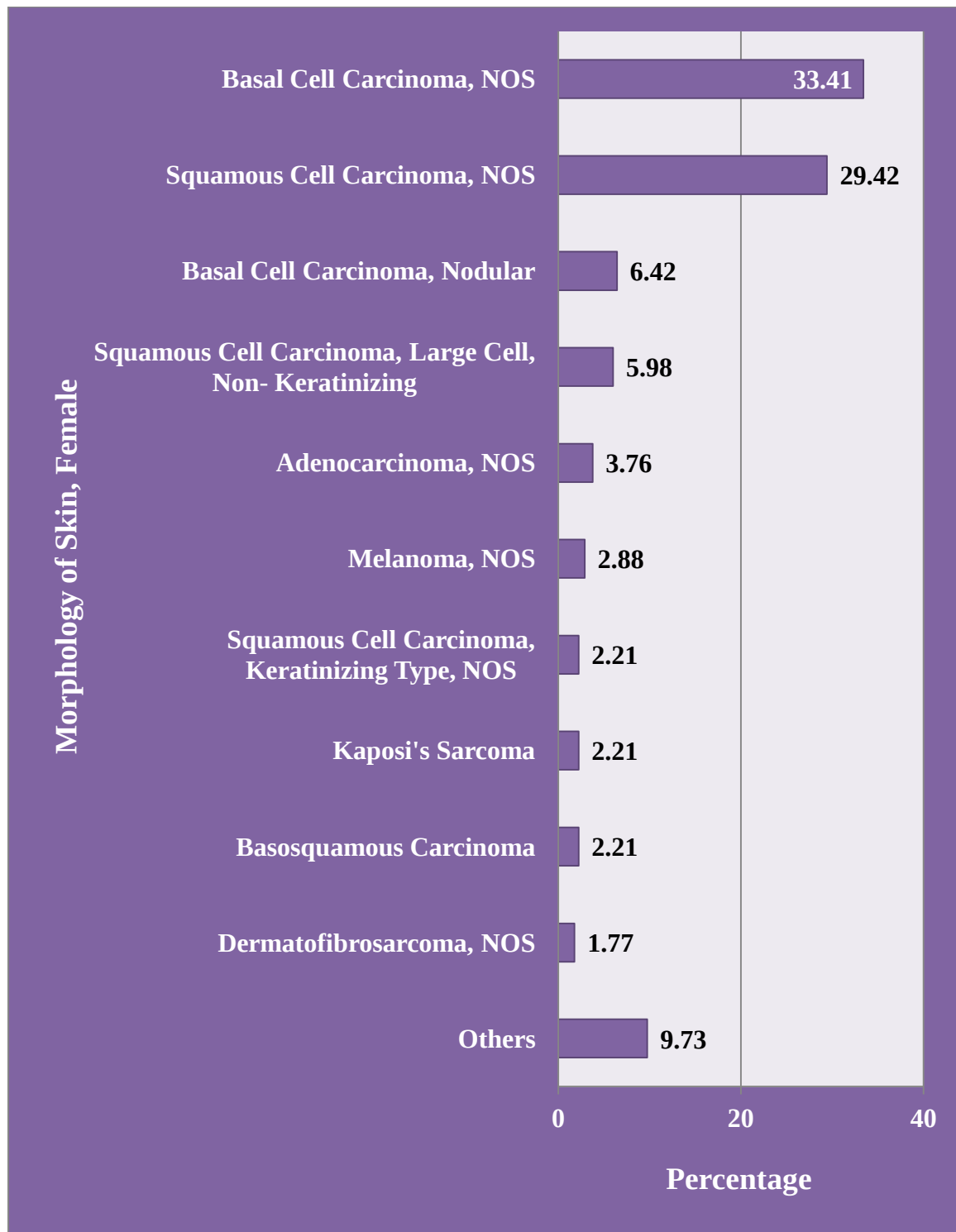
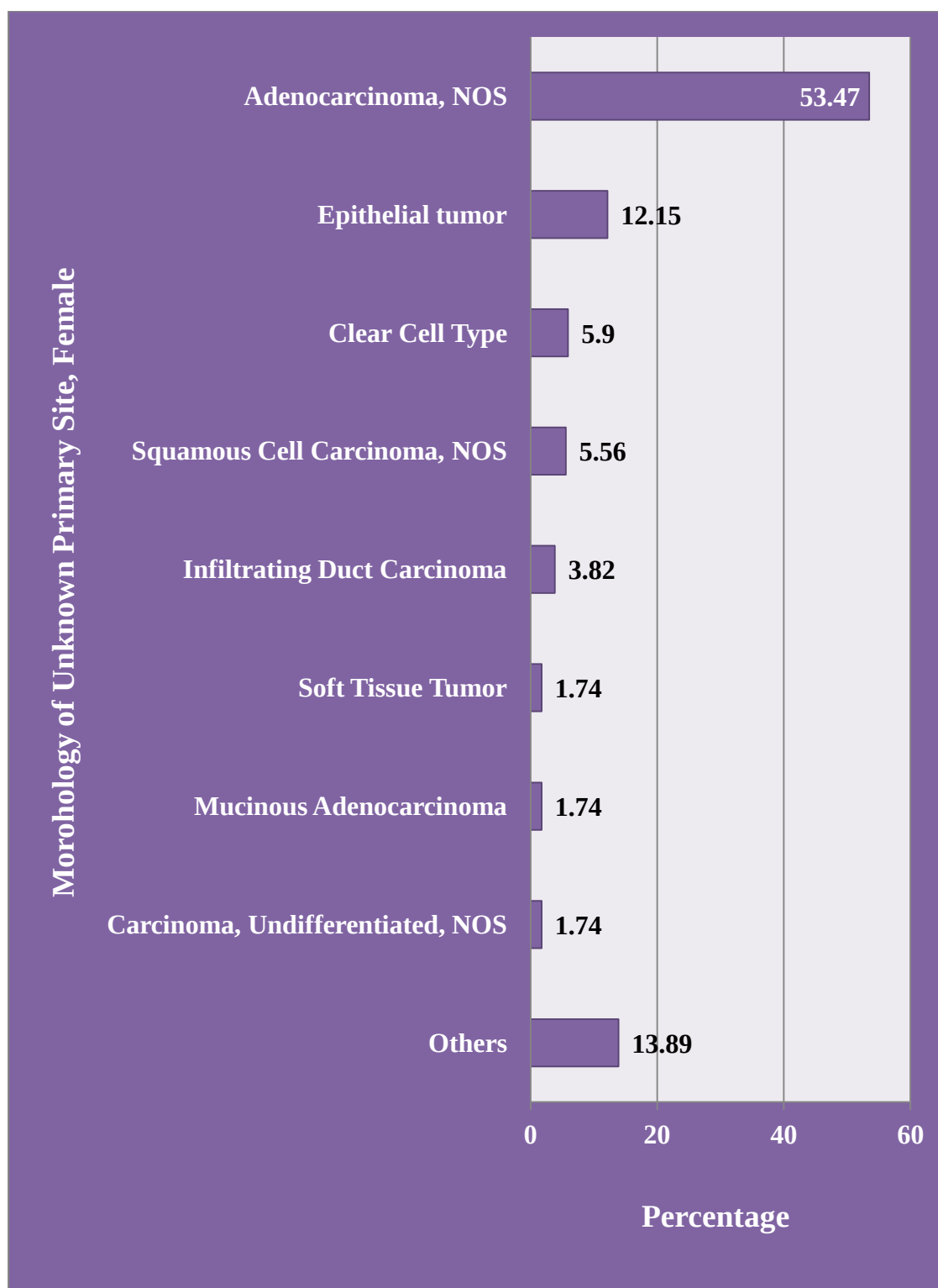


Figure No.; (87) Unknown Primary Site Cancer in Females by the Type of Morphology, Iraq, 2017



Results

Child Cancer 0-14 Years in

Iraq 2017

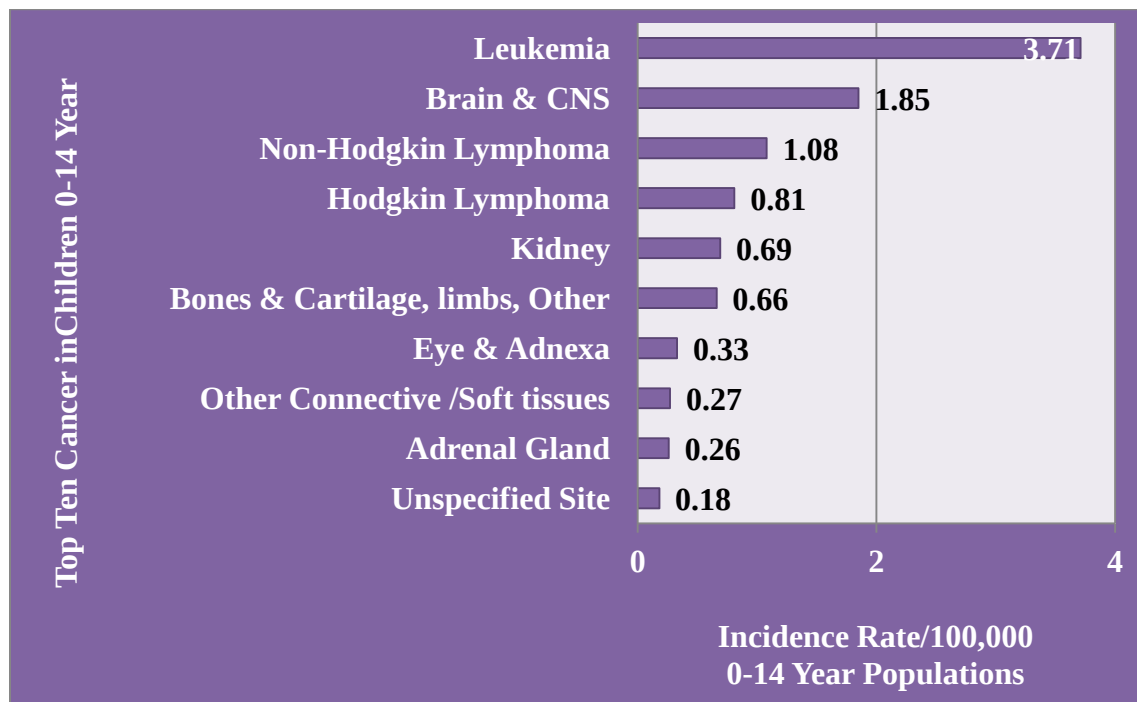
3.6. Child cancer 0-14 years in Iraq in 2017:

3.6.1. Distribution and the incidence rate of top ten cancers in children 0-14 year, Iraq, 2017:

Table No.; (92) Distribution of Top Ten Cancer in Children 0-14 Year, Iraq, 2017

Top Ten	No.	%
Leukemia	558	33.61
Brain & other CNS Tumor	278	16.75
Non-Hodgkin Lymphoma	162	9.76
Hodgkin Lymphoma	122	7.35
Kidney	103	6.20
Bones & Cartilage, Limbs, other	99	5.96
Eye & Adnexa	49	2.95
Other Connective \Soft Tissues	40	2.41
Adrenal Gland	39	2.35
Unspecified Site	27	1.63
Other Site	183	11.02
Total	1,660	100.00%

Figure No.; (88) Incidence Rate of Top Ten Cancer in Children 0-14 Year \100, 000 Children 0-14 Year Populations, Iraq, 2017

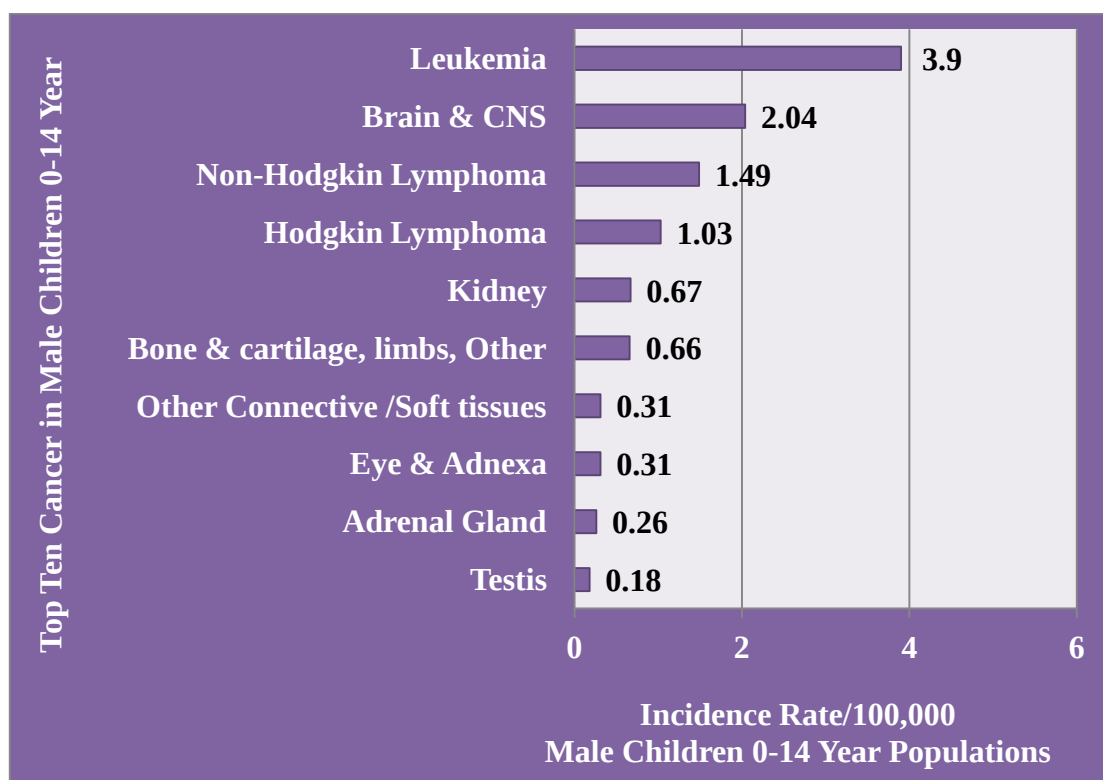


3.6.2. Distribution and the incidence rate of top ten cancers in male's children 0-14 year, Iraq, 2017:

Table No.; (93) Distribution of Top Ten Cancer in Males Children 0-14 Year, Iraq, 2017

Top Ten	No.	%
Leukemia	302	32.09
Brain & other CNS Tumor	158	16.79
Non-Hodgkin Lymphoma	115	12.22
Hodgkin Lymphoma	80	8.50
Kidney	52	5.53
Bone & cartilage, limbs, other	51	5.42
Eye & Adnexa	24	2.55
Other Connective \Soft tissues	24	2.55
Adrenal Gland	20	2.13
Testis	14	1.49
Other Site	101	10.73
Total	941	100.00%

Figure No.; (89) Incidence Rate of Top Ten Cancer in Males Children 0-14 Year \100, 000 Male Children 0-14 Year Populations, Iraq, 2017

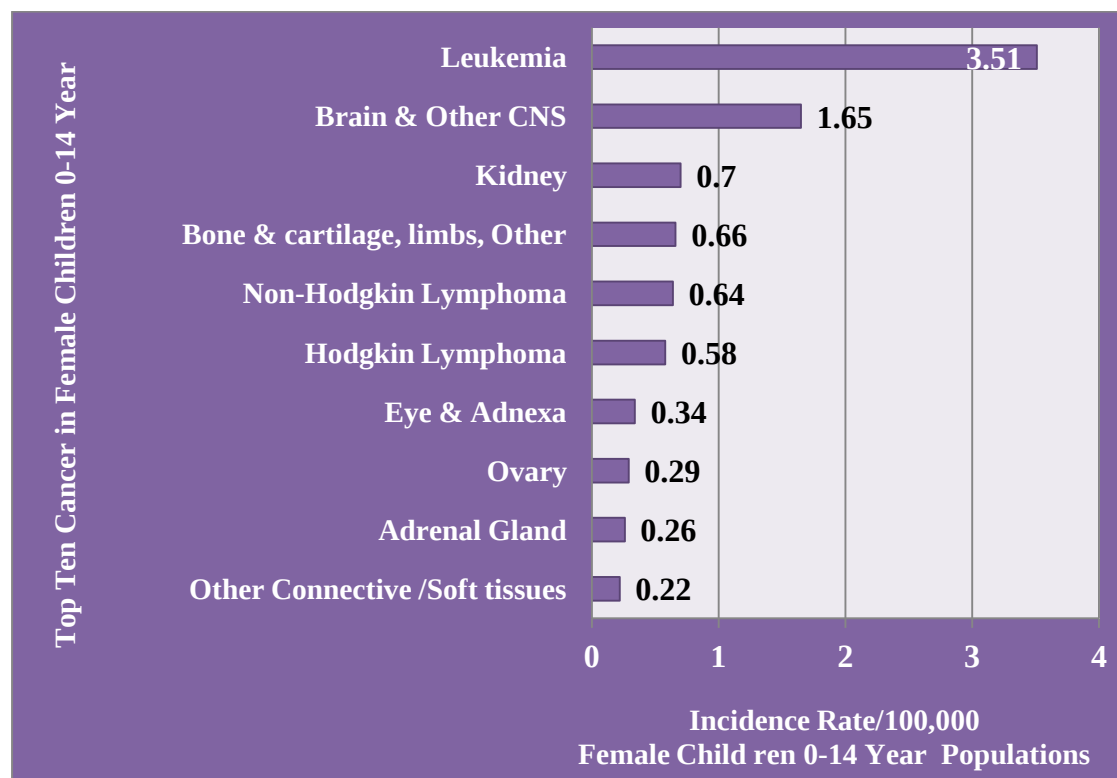


3.6.3. Distribution and the incidence rate of top ten cancers in female's children 0-14 year, Iraq, 2017:

Table No.; (94) Distribution of Top Ten Cancer in Females Children 0-14 Year, Iraq, 2017

Top Ten	No.	%
Leukemia	256	35.61
Brain & other CNS Tumor	120	16.69
Kidney	51	7.09
Bone & cartilage, limbs, other	48	6.68
Non-Hodgkin Lymphoma	47	6.54
Hodgkin Lymphoma	42	5.84
Eye & Adnexa	25	3.48
Ovary	21	2.92
Adrenal Gland	19	2.64
Other Connective \Soft tissues	16	2.23
Other Site	74	10.29
Total	719	100.00%

Figure No.; (90) Incidence Rate of Top Ten Cancer in Females Children 0-14 Year \100, 000 Female Children 0-14 Year Populations, Iraq, 2017



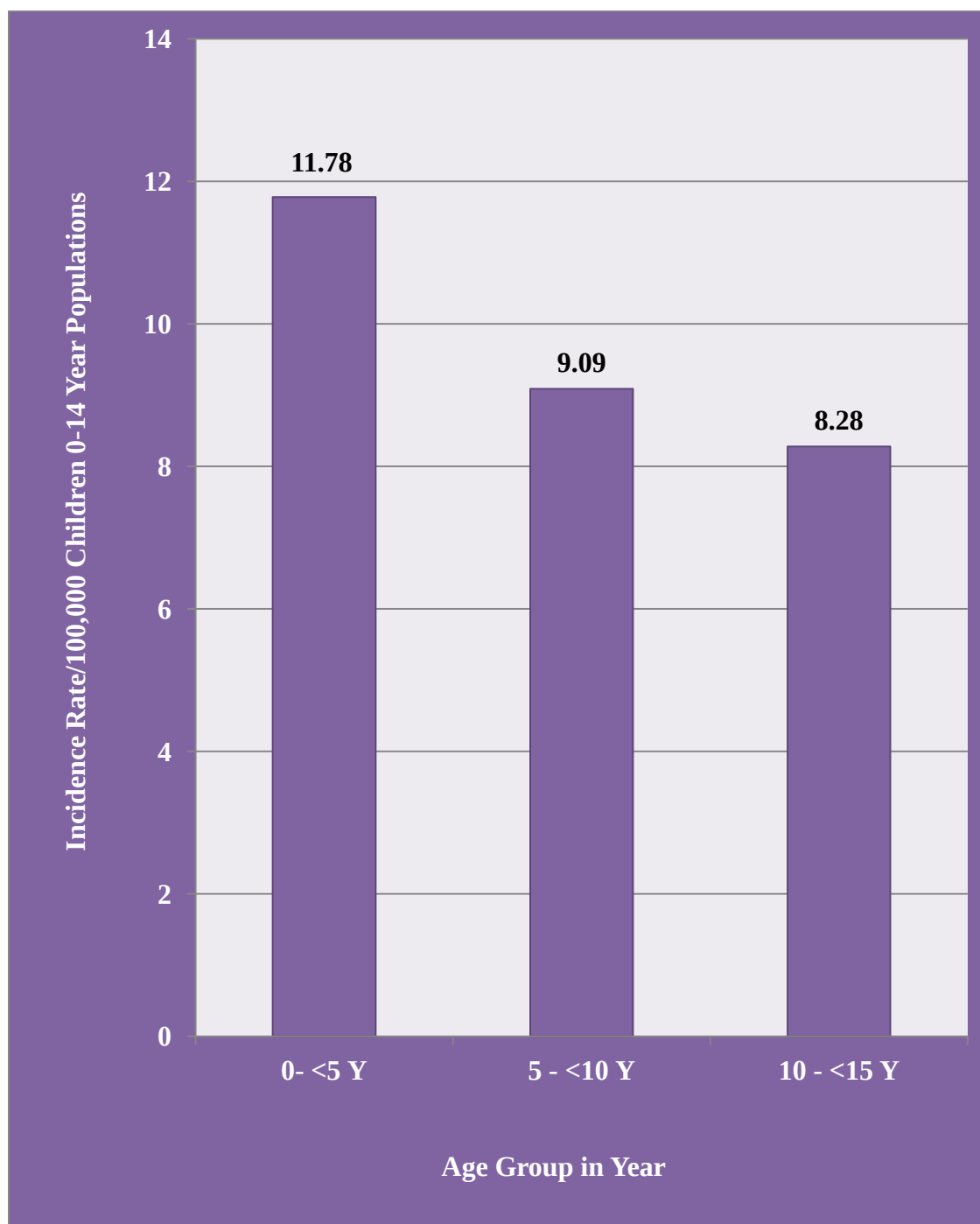
3.6.4. Distribution and the incidence rate of top ten cancers in children 0-14year by Site and age group, Iraq, 2017

. Table No.; (95), Figure No.; (91) shows the distribution and the incidence rate of top ten cancers in Iraq in children by site and age group.

Table No.; (95) Distribution of Top Ten Cancer in Children 0-14 Year by site and Age Group, Iraq, 2017

Tumor	0 - <5		5 - <10	10 - <15	Total
	0 - <1	1 - <5			
Leukemia	11	259	167	121	558
Brain & other CNS Tumor	2	93	100	83	278
Non-Hodgkin Lymphoma	5	62	55	40	162
Hodgkin Lymphoma	0	16	54	52	122
Kidney	5	70	24	4	103
Bone & cartilage, limbs, other	0	14	31	54	99
Eye & Adnexa	1	43	4	1	49
Other Connective \Soft tissues	1	16	9	14	40
Adrenal Gland	2	26	11	0	39
Unspecified Site	1	15	6	5	27
Total	28	614	461	374	1477
Percentage	1.90	41.57	31.22	25.33	100.00

**Figure No.; (91) Incidence Rate of Top Ten Cancer in Children 0-14 Year \100,000
Children 0-14 Year Populations by Age Group, Iraq, 2017**



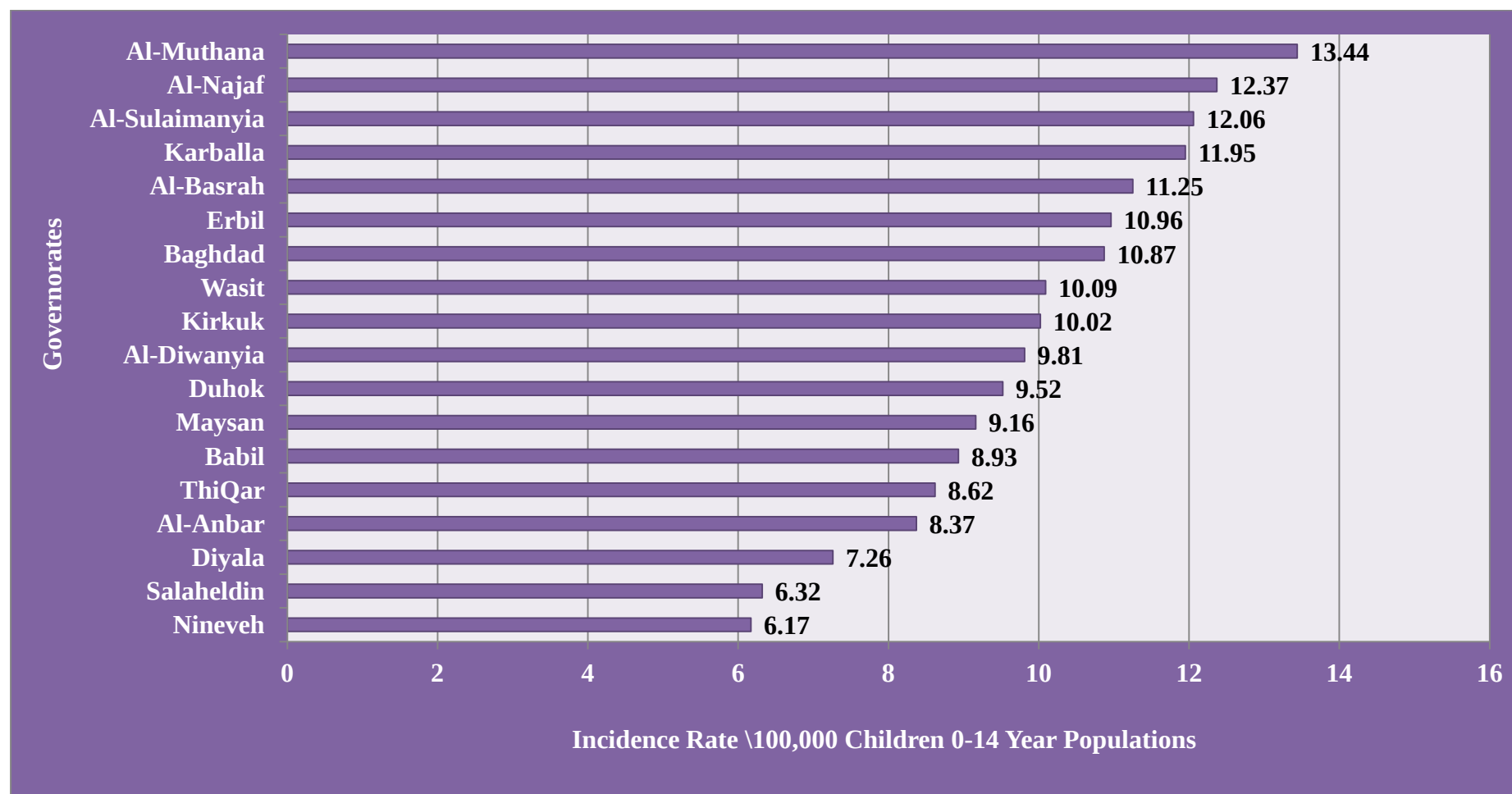
3.6.5. Distribution of top ten cancers in children 0-14year by site and governorates, Iraq, 2017:

Table No.; (96), Figure No.; (92) shows the distribution and the incidence rate of top ten cancers in Iraq in children by site and governorates.

Table No.; (96) Distribution of Top Ten Cancer in Children 0-14Year by site and Governorates, Iraq, 2017

Governorates	Al-Anbar	Al-Basrah	Al-Diwanyia	Al-Muthana	Al-Najaf	Al-Sulaimanyia	Babil	Baghdad	Diyala	Duhok	Erbil	Karballa	Kirkuk	Maysan	Nineveh	Salaheldin	ThiQar	Wasit	Un.	Total
Leukemia	26	58	22	16	22	22	28	121	21	21	28	14	26	18	43	19	31	18	4	558
Brain & other CNS Tumor	7	26	8	9	17	32	18	55	5	7	12	7	13	8	11	7	18	13	5	278
Non-Hodgkin Lymphoma	12	9	5	3	6	3	11	48	3	6	6	9	7	4	11	4	4	7	4	162
Hodgkin Lymphoma	3	6	5	4	5	9	5	32	9	5	6	8	4	1	9	3	5	3	0	122
Kidney	3	8	6	5	12	6	3	15	1	4	10	3	4	4	6	5	5	3	0	103
Bones & Cartilage, limbs, other	1	9	4	2	6	5	4	21	4	2	4	10	3	5	7	2	4	2	4	99
Eye & Adnexa	5	4	2	1	2	3	2	11	0	2	4	3	2	0	1	2	2	2	1	49
Other Connective \Soft tissues	2	6	0	4	1	3	3	4	0	2	2	2	2	2	3	0	1	2	1	40
Adrenal Gland	1	7	1	1	3	0	0	4	2	0	3	0	0	1	8	0	6	2	0	39
Unspecified Site	1	5	0	1	0	2	1	7	1	0	0	2	0	1	0	0	0	5	1	27
Total	61	138	53	46	74	85	75	318	46	49	75	58	61	44	99	42	76	57	20	1477
Percentage	4.13	9.34	3.59	3.11	5.01	5.75	5.08	21.53	3.11	3.32	5.08	3.93	4.13	2.98	6.70	2.84	5.15	3.86	1.35	100.00

Figure No.; (92) Incidence Rate of Top Ten Cancer in Children 0-14Year \ 100,000 Children 0-14 Year Populations by Governorates, Iraq, 2017



3.6.5. Distribution and incidence rate of cancer in children 0-14 year by site, ICD-O and gender, Iraq, 2017:

Table No.; (97) Distribution and Incidence Rate of New Cases of Cancer in Children 0-14 Year \00, 000 Children 0-14 Year Populations by Site, Gender and ICD-O, Iraq, 2017

ICD-O / Tumor		Female	Male	Total	%	IR
C00 / Lip		1	1	2	0.12	0.01
C02 / Tongue, other		1	0	1	0.06	0.01
C04 / Mouth - Floor		0	1	1	0.06	0.01
C07 / Parotid Gland		4	0	4	0.24	0.03
C11 / Nasopharynx		3	7	10	0.60	0.07
C13 / Hypopharynx		0	1	1	0.06	0.01
C14 / Pharynx		1	0	1	0.06	0.01
C16 / Stomach		1	1	2	0.12	0.01
C17 / Small Intestine		0	1	1	0.06	0.01
C18 / Colon		0	1	1	0.06	0.01
C22 / Liver & Bile Ducts		7	10	17	1.02	0.11
C26 / Other Digestive Organs		1	0	1	0.06	0.01
C30 / Nasal Cavity		1	2	3	0.18	0.02
C31 / Accessory Sinus		1	0	1	0.06	0.01
C32 / Larynx		0	1	1	0.06	0.01
C34 / Bronchus & Lung		0	1	1	0.06	0.01
C38 / Heart, Mediastinum, Pleura		2	3	5	0.30	0.03
C40 / Bone & Cartilage, Limbs		24	25	49	2.95	0.33
C41 / Bones & Cartilage, other		24	26	50	3.01	0.33
C42 \ Reticuloendothelial & Hematopoietic system	Leukemia	256	302	558	33.61	3.71
	Myelodys Plastic Syndromes	0	3	3	0.18	0.02
	Plasma Cell Tumor	4	1	5	0.30	0.03
C44 / Skin, Other		12	13	25	1.51	0.17
C47 / Nervous, Peripheral & A.N.S.		1	10	11	0.66	0.07
C48 / Retro peritoneum & Peritoneum		1	3	4	0.24	0.03
C49 / Other Connective/Soft Tissues		16	24	40	2.41	0.27
C51 / Vulva		1	0	1	0.06	0.01
C52 / Vagina		2	0	2	0.12	0.03
C56 / Ovary		21	0	21	1.27	0.29
C58 / Placenta		1	0	1	0.06	0.01
C62 / Testis		0	14	14	0.84	0.18
C64 / Kidney		51	52	103	6.20	0.69

ICD-O / Tumor		Female	Male	Total	%	IR
C65 / Pelvis		0	1	1	0.06	0.01
C67 / Urinary Bladder		1	9	10	0.60	0.07
C69 / Eye & Adnexa		25	24	49	2.95	0.33
C71 / Brain		114	144	258	15.54	1.72
C72 / Nervous System, other		3	12	15	0.90	0.10
C73 / Thyroid Gland		4	7	11	0.66	0.07
C74 / Adrenal Gland		19	20	39	2.35	0.26
C75 / Endocrine Gland, other		3	2	5	0.30	0.03
C76 / Unspecified Site		15	12	27	1.63	0.18
C77/ Lymph Nodes	Hodgkin Lymphoma	42	80	122	7.35	0.81
	Non-Hodgkin Lymphoma	47	115	162	9.76	1.08
C80 / Unknown Primary Site		9	12	21	1.27	0.14
Total		719	941	1660	100%	11.04

Note:

- * C51, C52, C56, and C58 the incidence rate calculated from the female populations
- * C62 the incidence rate calculated from the male populations

Results

Cancer Mortality in Iraq *2017*

3.7. Cancer mortality in Iraq in 2017:

Note: without Kurdistan region (Erbil, Duhok, and Sulaimaniya Governorates)

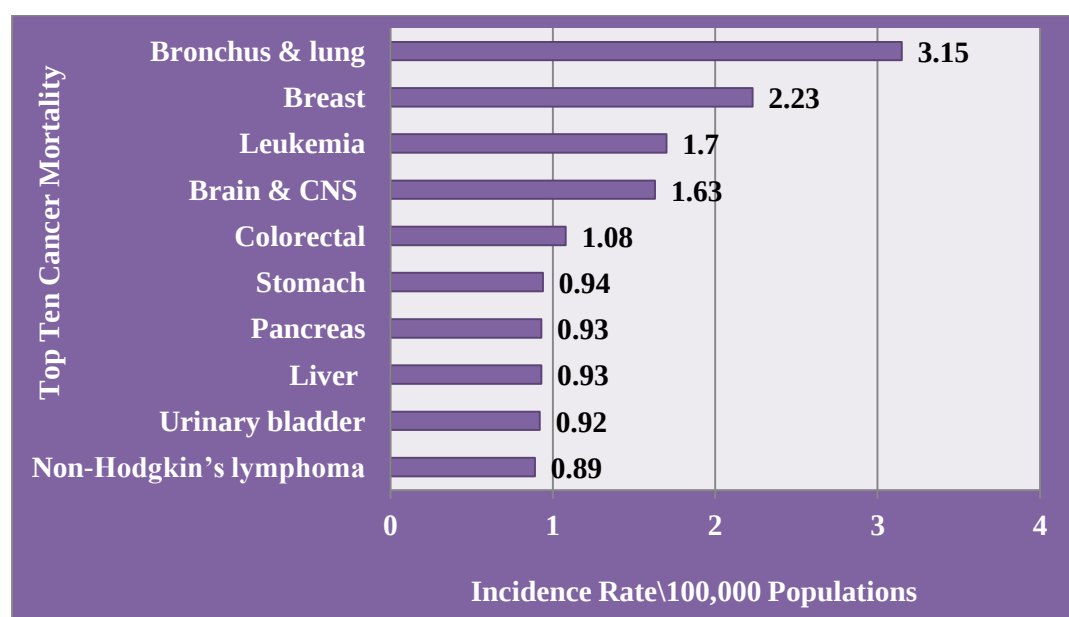
3.7.1. Distribution and incidence rate of the top ten cancers mortality in Iraq, 2017:

Table No.; (98), Figure No.; (93) shows the distribution of top ten cancers mortality in Iraq, it shows that the highest percentage and incidence rate was bronchus & lung cancer, while the lowest was Non-Hodgkin lymphoma.

Table No.; (98) Distribution of Top Ten Cancers Mortality, Iraq, 2017

Top ten	No.	%
Bronchus & Lung	1,169	16.36
Breast	827	11.57
Leukemia	631	8.83
Brain & other CNS Tumor	605	8.47
Colorectal	402	5.63
Stomach	348	4.87
Liver	346	4.84
Pancreas	346	4.84
Urinary Bladder	342	4.79
Non-Hodgkin Lymphoma	329	4.60
Other Site	1,800	25.19
Total	7,145	100.00%

Figure No.; (93) Incidence Rate of Top Ten Cancers Mortality in Iraq\ 100,000Populations, 2017



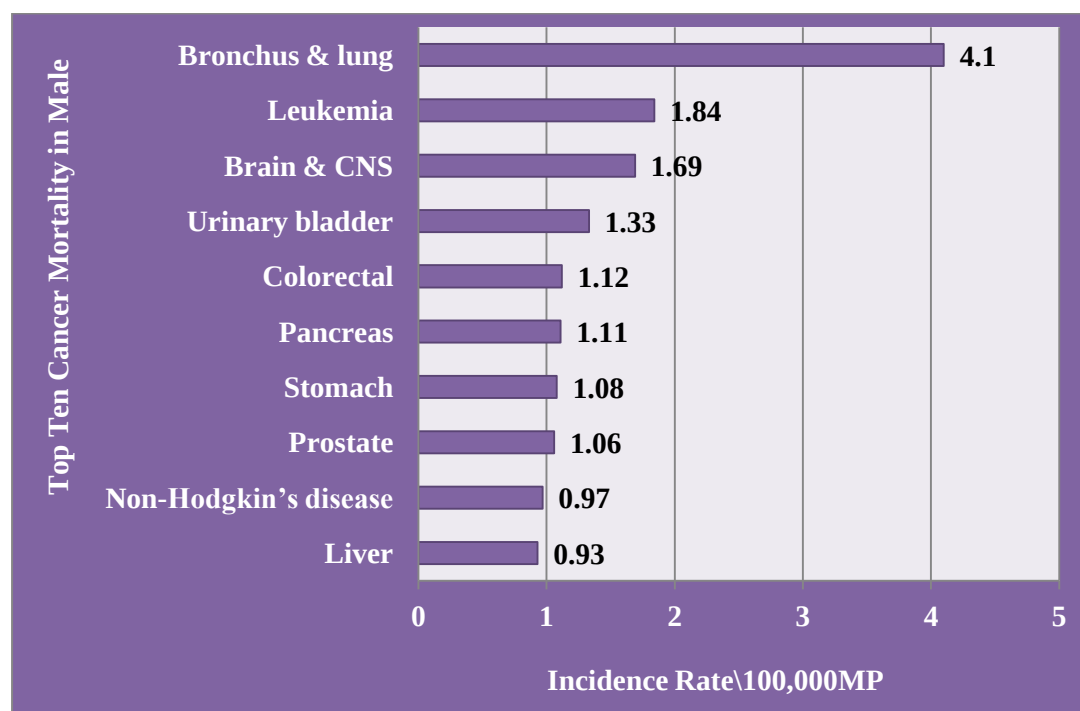
3.7.2. Distribution and incidence rate of the top ten cancers mortality in male, Iraq, 2017:

Table No.; (99), Figure No.; (94) shows the distribution of top ten cancers mortality in male, it shows that the highest percentage and incidence rate was bronchus & lung cancer, while the lowest was liver.

Table No.; (99) Distribution of Top Ten Cancers Mortality in Males, Iraq, 2017

Top Ten	No.	%
Bronchus & Lung	769	21.56%
Leukemia	346	9.70%
Brain & other CNS Tumor	317	8.89%
Urinary Bladder	249	6.98%
Colorectal	211	5.92%
Pancreas	209	5.86%
Stomach	202	5.66%
Prostate	199	5.58%
Non-Hodgkin Lymphoma	182	5.10%
Liver	175	4.91%
Other Site	708	19.85%
Total	3,567	100.00%

Figure No.; (94) Incidence Rate of Top Ten Cancers Mortality in Males\ 100,000 Male Populations, Iraq, 2017



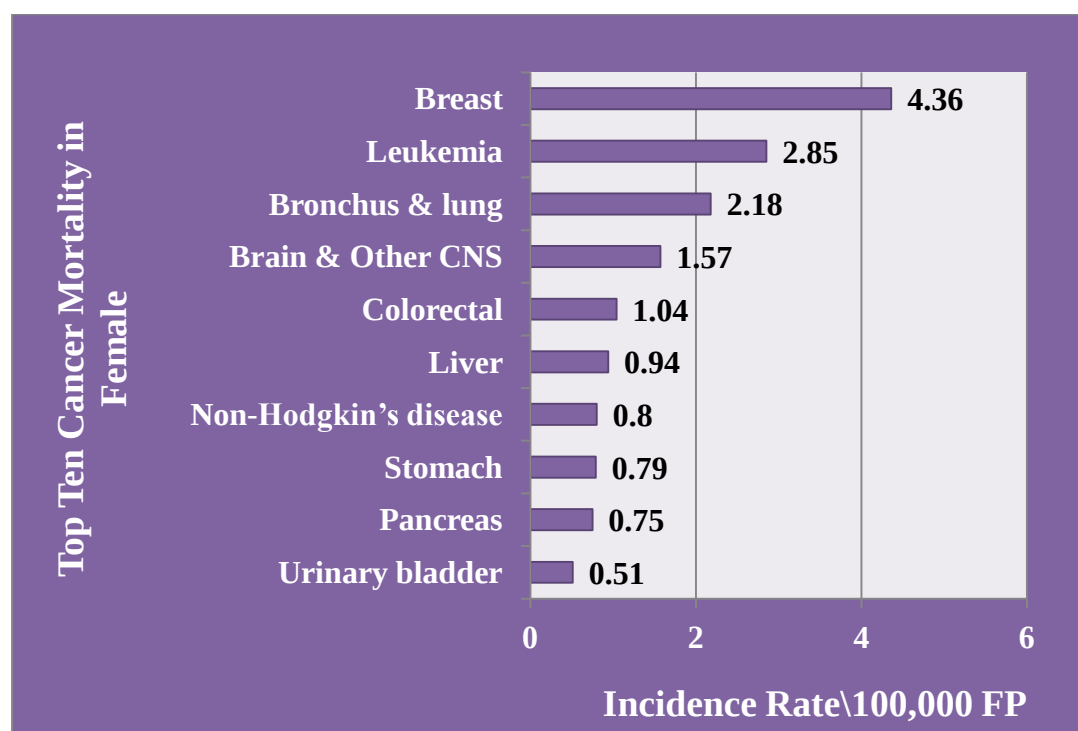
3.7.3. Distribution and incidence rate of the top ten cancers mortality in female, Iraq, 2017:

Table No.; (100), Figure No.; (95) shows the distribution of top ten cancers mortality in female, it shows that the highest percentage and incidence rate was breast cancer, while the lowest was urinary bladder cancer.

Table No. (100) Distribution of Top Ten Cancers Mortality in Females, Iraq, 2017

Top Ten	No.	%
Breast	801	22.39
Bronchus & Lung	400	11.18
Brain & other CNS Tumor	288	8.05
Leukemia	155	7.97
Colorectal	191	5.34
Liver	173	4.84
Non-Hodgkin Lymphoma	147	4.11
Stomach	146	4.08
Pancreas	137	3.83
Urinary Bladder	93	2.60
Other Site	917	25.63
Total	3,578	100.00%

Figure No.; (95) Incidence Rate of Top Ten Cancers Mortality in Females\ 100,000 Female Populations, Iraq, 2017



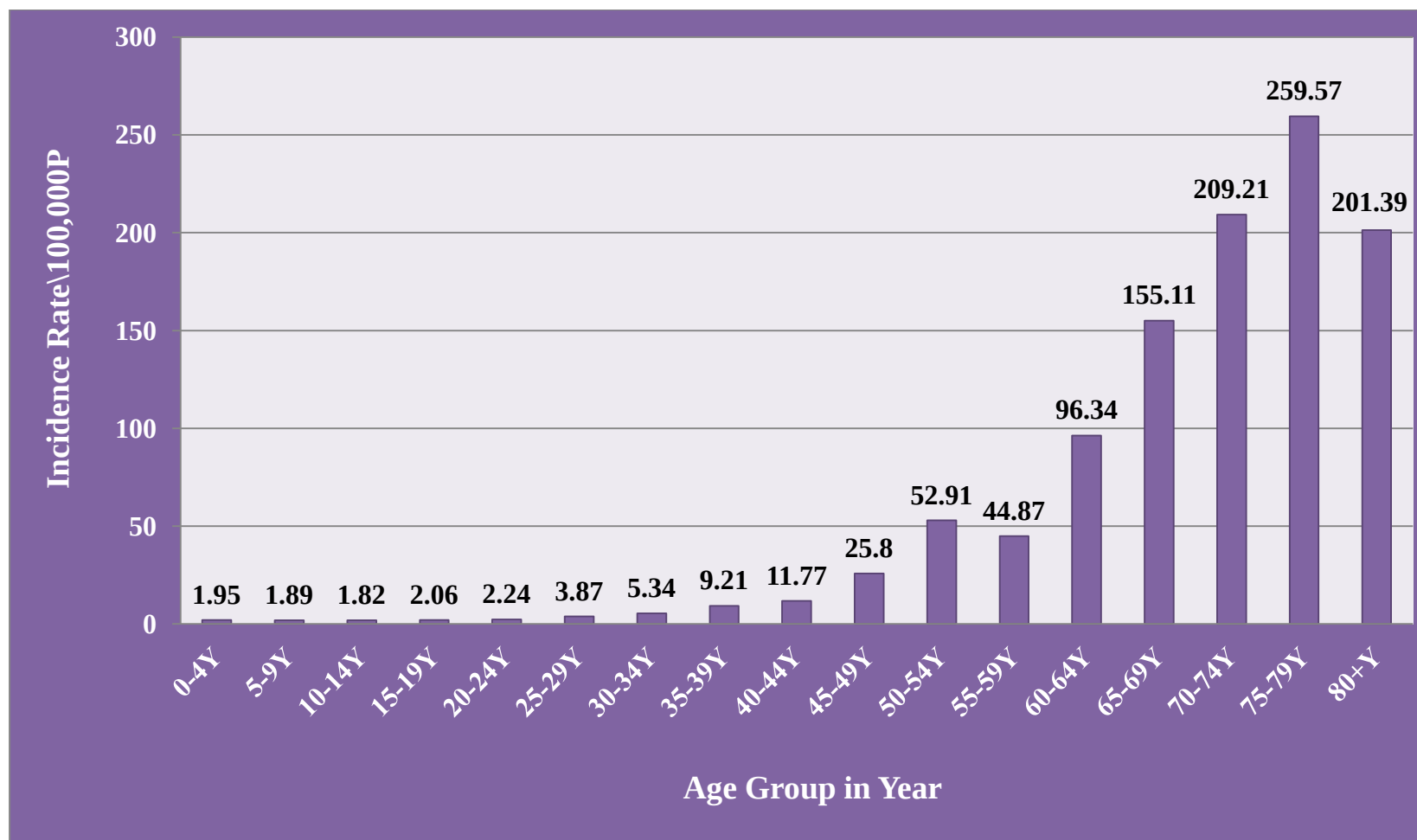
3.7.4. Distribution and incidence rate of the top ten of cancers mortality by site and age group, Iraq, 2017:

Table No.; (101), Figure No.; (96) shows the distribution and incidence rate of top ten cancers mortality in Iraq by site and age group.

Table No.; (101) Distribution of Top Ten Cancers Mortality in Iraq by Site and Age Group, 2017

Site	0 - <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 - <65	65 - <70	70 - <75	75 - <80	80 +	Total
Bronchus & Lung	0	1	0	1	5	5	13	15	22	48	82	89	185	240	179	124	160	1,169
Breast	0	0	0	1	5	9	26	59	71	116	116	98	104	72	65	42	43	827
Leukemia	60	47	43	43	25	29	30	28	22	32	58	31	42	45	40	30	26	631
Brain & other CNS Tumor	32	34	23	15	17	13	26	29	42	40	73	37	64	55	44	34	27	605
Colorectal	0	0	1	1	10	15	8	15	22	37	40	32	70	47	42	33	29	402
Liver	3	0	1	2	1	3	1	8	5	16	23	48	46	58	52	40	41	348
Stomach	0	0	1	2	2	8	9	18	15	42	39	34	45	39	33	32	29	348
Pancreas	0	0	0	0	0	1	0	2	11	18	40	36	52	67	56	29	34	346
Bladder	2	0	0	1	3	1	2	1	4	5	16	15	37	56	70	59	70	342
Non- Hodgkin Lymphoma	9	14	13	16	9	23	18	23	20	28	24	29	34	23	26	13	7	329
Total	106	96	82	82	77	107	133	198	234	382	511	449	679	702	607	436	466	5,347
Percentage	1.98	1.80	1.53	1.53	1.44	2.00	2.49	3.70	4.38	7.14	9.56	8.40	12.70	13.13	11.35	8.15	8.72	100.00

Figure No.; (96) Incidence Rate of Top Ten Cancers Mortality in Iraq\100,000 Populations by Age Group, Iraq. 2017



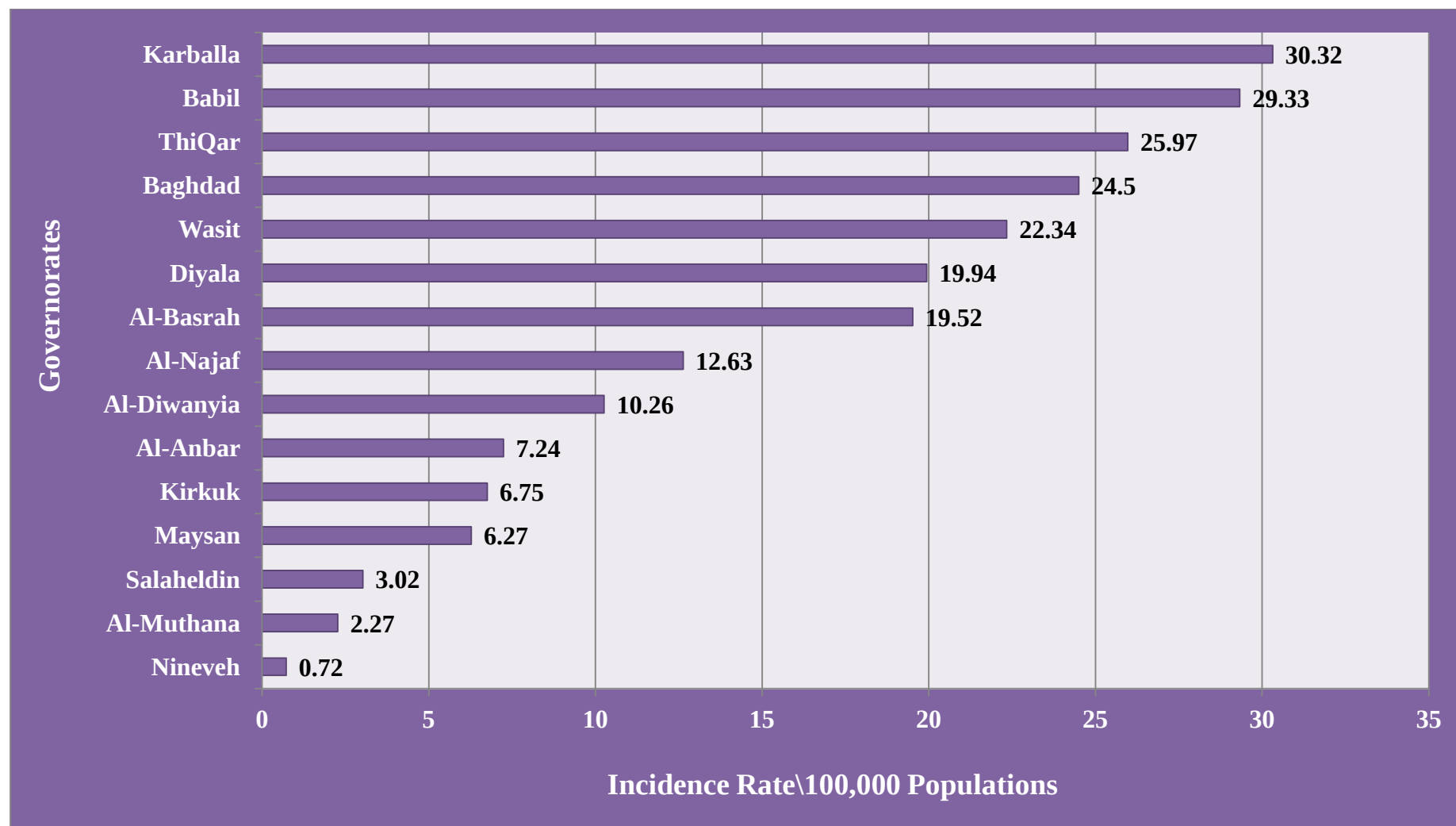
3.7.5. Distribution and incidence rate of the top ten cancers mortality by site and governorates, Iraq, 2017:

Table No.; (102), Figure No.; (97) shows the distribution and the incidence rate of top ten cancers mortality in Iraq by site and governorates.

Table No.; (102) Distribution of Top Ten Cancers Mortality in Iraq by Site and Governorates, Iraq, 2017

Top Ten	Al Diwanyia	Al Muthana	Al Najaf	Al Anbar	Babil	Baghdad	Al Basrah	Diyala	Karbala	Kirkuk	Maysan	Nineveh	Salaheldin	ThiQar	Wasit	Un.	Total
Bronchus & Lung	39	1	60	16	160	348	96	55	113	19	6	3	4	171	62	16	1169
Breast	12	1	28	7	80	381	97	47	51	19	3	4	2	45	29	21	827
Leukemia	27	12	23	15	65	194	76	55	43	15	22	9	14	16	44	1	631
Brain & other CNS Tumor	13	1	17	11	58	197	68	33	40	11	22	4	5	82	42	1	605
Colorectal	4	0	13	18	39	162	45	32	20	4	1	0	7	35	16	6	402
Liver	5	0	6	7	39	149	19	24	18	11	1	0	3	31	33	2	348
Stomach	7	1	12	23	40	127	36	37	16	4	1	0	2	24	14	4	348
Pancreas	0	1	14	1	56	119	37	15	34	11	2	3	0	42	9	2	346
Urinary Bladder	7	0	8	5	35	120	26	8	20	3	9	1	0	64	33	3	342
Non- Hodgkin Lymphoma	15	1	0	22	18	143	53	12	5	8	1	2	10	20	18	1	329
Total	129	18	181	125	590	1940	553	318	360	105	68	26	47	530	300	57	5347
Percentage	2.41	0.34	3.39	2.34	11.03	36.28	10.34	5.95	6.73	1.96	1.27	0.49	0.88	9.91	5.61	1.07	100.00

Figure No.; (97) Incidence Rate of Top Ten Cancers Mortality in Iraq\100,000 Populations by Governorates, 2017



Results

Cancer among Non Iraqi in Iraq 2017

3.8. Cancer among Non Iraqis in Iraq in 2017:

3.8.1. Distribution of cancer among Non Iraqis by site, ICD-O, and gender:

Table No.; (103) Distribution of Cancer among Non Iraqis in Iraq by ICD-O, Site and Gender, Iraq, 2017

Tumor	ICD-O	Female	Male	Total	%
Breast	C50	40	0	40	33.33
Reticuloendothelial & Hematopoietic System	Leukemia	7	6	13	10.83
	Chronic Myeloproliferative Disorders	2	0	2	1.67
	Plasma Cell Tumor	0	2	2	1.67
	Mast Cell Tumor	0	1	1	0.83
Colorectal	Colon	3	5	8	6.66
	Rectum	1	1	2	1.67
Lymph Node	Hodgkin Lymphoma	2	2	4	3.33
	Non-Hodgkin Lymphoma	2	0	2	1.67
Bronchus & Lung	C34	0	6	6	5.00
Brain	C71	3	1	4	3.33
Corpus Uteri	C54	3	0	3	2.50
Kidney	C64	1	2	3	2.50
Skin, other	C44	2	1	3	2.50
Unknown Primary	C80	3	0	3	2.50
Urinary Bladder	C67	0	2	2	1.67
Oesophagus	C15	1	1	2	1.67
Other Connective /Soft Tissues	C49	0	2	2	1.67
Testis	C62	0	2	2	1.67
Thyroid Gland	C73	2	0	2	1.67
Bone & Cartilage, Limbs	C40	0	1	1	0.83
Bones & Cartilage , other	C41	0	1	1	0.83
Cervix Uteri	C53	1	0	1	0.83
Larynx	C32	0	1	1	0.83
Lip	C00	1	0	1	0.83
Liver	C22	0	1	1	0.83
Nasal Cavity	C30	1	0	1	0.83
Other Digestive Organs	C26	1	0	1	0.83
Ovary	C56	1	0	1	0.83
Pancreas	C25	0	1	1	0.83
Parotid Gland	C7	1	0	1	0.83
Placenta	C58	1	0	1	0.83
Prostate	C61	0	1	1	0.83
Stomach	C16	1	0	1	0.83
Total		80	40	120	100.00%

3.8.2. Distribution of cancer among Non Iraqis by site, age group:

Table No.; (104) shows the distribution of cancer among Non Iraqis by site, age group:

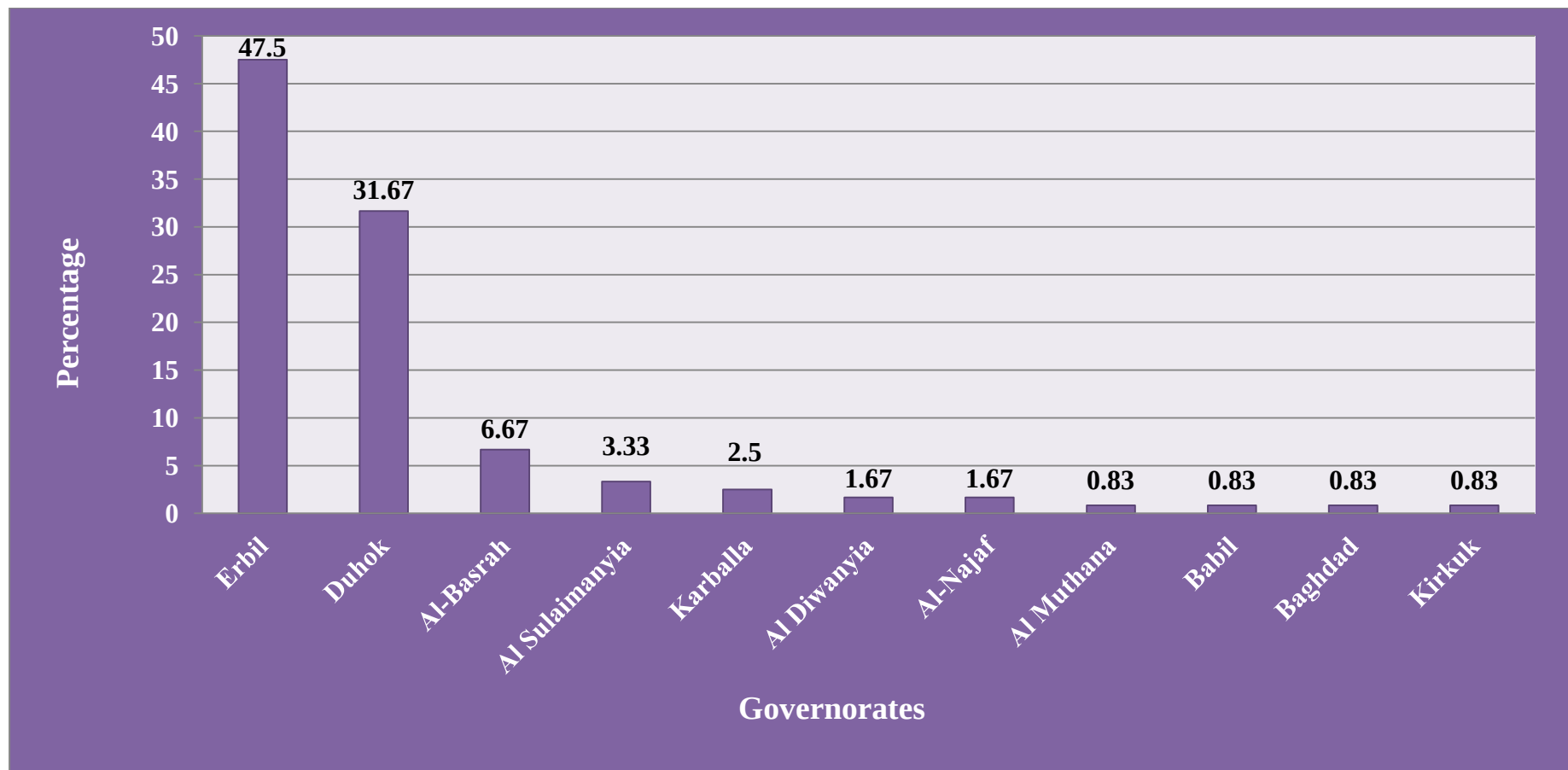
Table No.; (104) Distribution of Cancer among Non Iraqis in Iraq by Site and Age Group, 2017

Site	0 – <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 – <65	65 – <70	70 – <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
Urinary Bladder	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2
Bone & Cartilage, Limbs	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Bones & Cartilage, other	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Brain	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
Breast	0	0	0	0	0	0	2	6	10	6	5	4	3	1	2	0	0	1	0	0	40
Bronchus & Lung	0	0	0	0	0	0	0	0	1	0	1	2	0	2	0	0	0	0	0	0	6
Cervix Uteri	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Chronic Myeloproliferative Disorders	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2
Colorectal	0	0	0	0	0	0	1	3	1	0	1	1	1	1	0	0	1	0	0	0	10
Corpus Uteri	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	3
Hodgkin Lymphomas	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	4
Kidney	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
Larynx	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Leukemia	1	2	2	0	0	1	0	1	1	1	1	1	0	2	0	0	0	0	0	0	13
Lip	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Liver	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mast Cell Tumor	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Site	0 – <5	5- <10	10 - <15	15 - <20	20 - <25	25 - <30	30 - <35	35 - <40	40 - <45	45 - <50	50 - <55	55 - <60	60 – <65	65 – <70	70 – <75	75 - <80	80 - <85	85 - <90	90 - <95	95 - <100	Total
Nasal Cavity	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Non-Hodgkin Lymphoma	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
Esophagus	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
Other Connective \Soft Tissues	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Other Digestive Organs	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Ovary	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Pancreas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Parotid Gland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Placenta	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Plasma Cell Tumor	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
Prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Skin	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
Stomach	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Testis	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Thyroid Gland	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
Unknown Primary Site	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3
Total	8	3	2	3	1	3	7	12	18	12	14	12	6	11	3	1	2	1	0	1	120
Percentage	6.67	2.50	1.67	2.50	0.83	2.50	5.83	10.00	15.00	10.00	11.67	10.00	5.00	9.17	2.50	0.83	1.67	0.83	0.00	0.83	100.00

3.8.3. Distribution of cancer among Non Iraqis by site and governorates

Figure No.; (98) Percentage of Cancer among Non Iraqis in Iraq by Governorates, 2017



Annex & References



Annex:

Ministry Of Health Iraqi Cancer Registry			
Can Reg		☐ - ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	
I. Patient information			
1. الاسم الاول : First Name		2. اسم الاب : Fathers Name	
3. اسم العائلة : Family Name		4. اسم الام : Mothers Name	
Sex	Birth Date		
Age			
Nationality			
Address	Telephone		
5. العنوان : (المحافظة: المدينة: المحلة: الزقاق: دار:)			
Address Detail			
6. المهنة : (١. ربة بيت ٢. عامل ٣. مزارع ٤. تقني ٥. موظف ٦. معلم ٧. مهني ٨. كاسب ٩. اخرى ١٠. غير موظف)			
Occupation	7. Teaching		
8. Professional 9. Business 10. Other 11. Unknown			
Tumour			
Diagnosis			
Basis of diagnosis	☐ (0. Death certificate 1. Clinical only 2. Clinical investigation 3. Surgery/autopsy 4. Laboratory test 5. Cytology Haematological 6. Histology of Metastases 7. Histology of Primary 8. Autopsy with Histology 9. Unknown)		
Topography	Morphology		
Behaviour	(0. Benign 1. Uncertain behaviour 2. In situ 3. Malignant)		
Grad	(1. Grad 2. Grade II 3. Grade III 4. Grade IV 5. T-Cell 6. B-Cell 7. Null Cell 8. Killer Cell 9. Unknown)		
Extent	(1. In situ 2. Localised 3. Regional: Direct Extension 4. Regional: Lymph nodes 5. Direct L. N. ext. 7. Distant metastasis 8. Not applicable 9. Unknown)		
T	(Advanced / Localized)		
N	(+/0)	Multiple Primary	
M	(+/0)	ICD - 10	
Hospital		Treatment	
Hospital	Date	No Patient	
اسم المستشفى			Surgery ☐ (1. Yes 2. No 9. Unknown)
اسم المستشفى			Radiotherapy ☐ (1. Yes 2. No 9. Unknown)
اسم المستشفى			Chemotherapy ☐ (1. Yes 2. No 9. Unknown)
Path Lab.	Date	Path Lab. No.	
اسم المستشفى			Hormonal therapy ☐ (1. Yes 2. No 9. Unknown)
اسم المستشفى			Immunotherapy ☐ (1. Yes 2. No 9. Unknown)
Follow up			
Date of last Contact or Death			
Status	(1. Dead 2. Alive)		
Cause of Death	(1. Cancer 2. Other 9. Unknown)		
ملاحظة : يرجى ملأ الحقول رقم (٨٠٧٠٦٠٥٤٣٢١) باللغة العربية وترك ما قبلها لمركز التسجيل السرطاني. اسم منظم الاستمارة وتوقيعه الطبيب : التاريخ : ٢٠١ / / وزارة الصحة / مطابع دائرة العيادات الطبية الشعبية			

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[6] Ministry of planning \ Central Statistic Organization, 2017

وان أكثر عشرة أنواع للسرطان شيوعا عند النساء تتمثل بسرطان الثدي (٣٥,٤٢ %) (٣١,٨٤ لكل مئة ألف من السكان من فئة النساء) وسرطان الدم (اللويميا) (٦,٣٦ %) (٥,٧١ لكل مئة ألف من السكان من فئة النساء) وسرطان الغدة الدرقية (٤,٨٤ %) (٤,٣٥ لكل مئة ألف من السكان من فئة النساء) وسرطان القولون والمستقيم (٤,٧٨ %) (٤,٢٩ لكل مئة ألف من السكان من فئة النساء) وسرطان المبيض (٤,٢٤ %) (٣,٨١ لكل مئة ألف من السكان من فئة النساء) وسرطان القصبات والرئة (٤,١٥ %) (٣,٧٣ لكل مئة ألف من السكان من فئة النساء) وسرطان الغدد اللمفاوية اللاهودجيني (٤,١٥ %) (٣,٧٣ لكل مئة ألف من السكان من فئة النساء) وأورام الدماغ والجهاز العصبي المركزي (٣,٦٣ %) (٣,٢٦ لكل مئة ألف من السكان من فئة النساء) وسرطان الجلد (٢,٨٧ %) (٢,٥٨ لكل مئة ألف من السكان من فئة النساء) والسرطان الغير معروف المنشأ (٢,٥١ %) (٢,٢٦ لكل مئة ألف من السكان من فئة النساء).

و كان العدد الكلي للحالات السرطانية الجديدة المسجلة بين الأطفال (دون سن الخامسة عشر) هو ١,٦٦٠ من مجموع ٢٩,٠٢٣ (العدد الكلي للإصابات السرطانية ولكافة الفئات العمرية)، وان أكثر الفئات العمرية تأثرا بالاصابة بالنسبة الى العشرة انواع للسرطان الاكثر شيوعا عند الاطفال هو الفئة العمرية دون الخمس سنوات. وأن أعلى تقدير سنوي للإصابات بين الأطفال هو بسبب سرطان الدم (اللويميا) (٣,٧١ لكل مئة ألف من السكان) فئة الأعمار دون سن الخامسة عشر). أما فيما يتعلق بنسبة الإصابة في المحافظات، لوحظ ان أعلى تقدير سنوي للإصابات بالنسبة الى العشرة انواع للسرطان الاكثر شيوعا عند الاطفال كان في محافظة المثنى (١٣,٤٤ لكل مئة ألف من السكان) فئة الأعمار دون سن الخامسة عشر)، وان أدنى تقدير سنوي للإصابات كان في محافظة محافظة نينوى (٦,١٧ لكل مئة ألف من السكان) فئة الأعمار دون سن الخامسة عشر).

وكان العدد الكلي للوفيات بسبب السرطان خلال عام ٢٠١٧ هو ٧,١٤٥. كما لوحظ أن أعلى تقدير سنوي للوفاة عند الرجال هو بسبب سرطان القصبات والرئة (٤,١٠ لكل مئة ألف من السكان من فئة الرجال) وان أعلى تقدير سنوي للوفاة عند النساء هو بسبب سرطان الثدي (٤,٣٦ لكل مئة ألف من السكان من فئة النساء). كما أن أعلى تقدير سنوي للوفاة بالنسبة الى العشرة انواع للسرطان الاكثر شيوعا سجل في محافظة كربلاء (٣٠,٣٢ لكل مئة ألف من السكان). وأن أعلى تقدير سنوي للوفاة بسبب السرطان سجل ضمن الفئة العمرية ٧٠ سنة فأكثر.

العدد الكلي للحالات السرطانية لغير العراقيين المسجلة لعام ٢٠١٧ يساوي ١٢٠ حالة. وقد لوحظ أن أكثر الأعمار تأثرا للإصابة بمرض السرطان هو ٤٠-٤٤ سنة وبنسبة ١٥%. كما لوحظ ان أعلى نسب للإصابات السرطانية كانت بسبب سرطان الثدي (٣٣,٣٣ %) يليه سرطان الدم (اللويميا) (١٠,٨٣ %) ومن ثم سرطان القولون والمستقيم (٨,٣٣ %). وان أعلى نسبة للحالات السرطانية لغير العراقيين سُجلت في محافظة اربيل (٤٧,٥ %) و ادنى نسبة للحالات السرطانية سُجلت في محافظة كركوك (٠,٨٣ %). و لم يتم تسجيل حالات وفاة بسبب السرطان لغير العراقيين خلال عام ٢٠١٧.

ملخص التقرير السنوي:

يعطي التقرير السنوي للتسجيل السرطاني في العراق معلومات عن الحالات السرطانية الجديدة المشخصة خلال السنة بالإضافة إلى حالات الوفاة المسجلة بسبب السرطان، عن طريق جمع البيانات من المستشفيات والمختبرات (الحكومية والأهلية) في جميع دوائر الصحة في العراق بواسطة برنامج 4 CanReg.

العدد الكلي للحالات السرطانية الجديدة المسجلة خلال عام ٢٠١٧ يساوي ٢٩,٠٢٣ وقد لوحظ أن أعلى الفئات العمرية تأثرا بالإصابة بمرض السرطان هي الفئة العمرية ٧٠ سنة فأكثر. وان التقدير السنوي للإصابة يزداد بازدياد العمر. و فيما يتعلق بالمحافظات، لوحظ أن أعلى تقدير سنوي للإصابة في كلا الجنسين كان في محافظة كربلاء (١١١,٧٧ لكل مئة ألف من السكان) (١٠٤,٠٢ لكل مئة ألف من فئة الرجال و١١٩,٦٦ لكل مئة ألف من فئة النساء) وأن أقل تقدير سنوي للإصابة بصورة عامة كان في محافظة صلاح الدين (٤٥,٧٥ لكل مئة ألف من السكان) اما بالنسبة للرجال فان اقل تقدير سنوي كان في محافظة نينوى (٣٤,٤٨ لكل مئة ألف من السكان من فئة الرجال و) وبالنسبة للنساء كان في محافظة ميسان (٥٤,٤٢ لكل مئة ألف من السكان من فئة النساء).

وقد لوحظ زيادة في التقدير السنوي لمرض السرطان في العراق من عام ٢٠٠٦ (٥٢,٨ لكل مئة ألف من السكان) الى عام ٢٠١٧ (٧٨,١٤ لكل مئة ألف من السكان).

و قد ظهر أن أكثر عشرة انواع شيوعا لمرض السرطان بشكل عام كانت سرطان الثدي (٢٠,٥٠%) (١٦,٠٢ لكل مئة ألف من السكان) وسرطان القصبات والرئة (٧,٨٠%) (٦,١٠ لكل مئة ألف من السكان) وسرطان الدم (اللوكيميا) (٧,٦١%) (٥,٩٥ لكل مئة ألف من السكان) وسرطان القولون والمستقيم (٥,٩١%) (٤,٦٢ لكل مئة ألف من السكان) وسرطان المثانة (٥,٠٨%) (٣,٩٧ لكل مئة ألف من السكان)، سرطان الغدة اللمفاوية اللا هودجكيني (٥,٠٣%) (٣,٩٣ لكل مئة ألف من السكان) وأورام الدماغ والجهاز العصبي المركزي (٤,٥٤%) (٣,٥٥ لكل مئة ألف من السكان) وسرطان الغدة الدرقية (٣,٦٥%) (٢,٨٥ لكل مئة ألف من السكان) وسرطان الجلد (٣,٤٠%) (٢,٦٦ لكل مئة ألف من السكان) وسرطان المعدة (٢,٩٥%) (٢,٣٠ لكل مئة ألف من السكان).

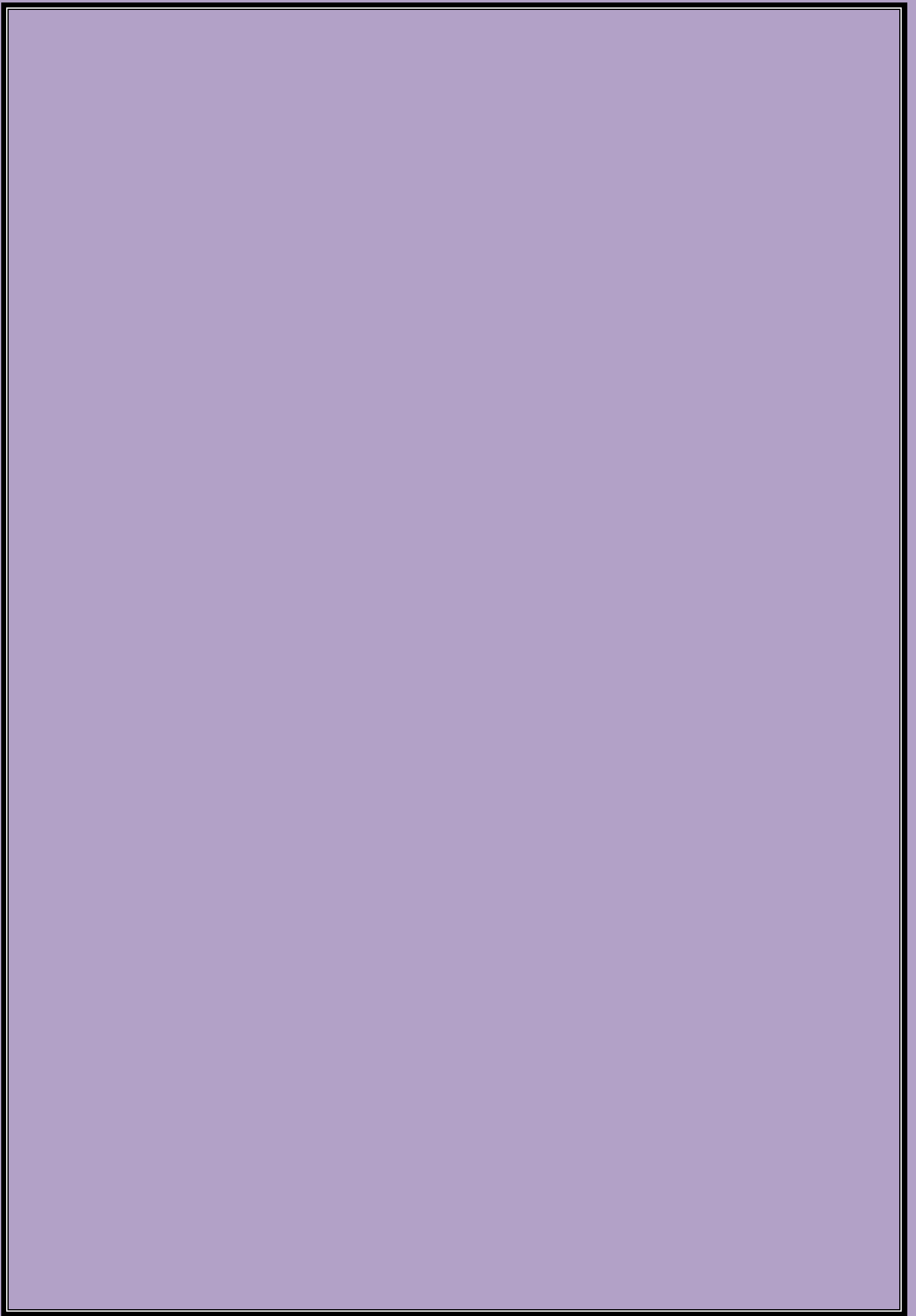
و ان أكثر عشرة انواع شيوعا للسرطان عند الرجال تتمثل بسرطان القصبات والرئة (١٢,٦٣%) (٨,٤٢ لكل مئة ألف من السكان من فئة الرجال) وسرطان الدم (اللوكيميا) (٩,٢٧%) (٦,١٨ لكل مئة ألف من السكان من فئة الرجال) وسرطان المثانة (٨,٩٨%) (٥,٩٨ لكل مئة ألف من السكان من فئة الرجال) وسرطان القولون والمستقيم (٧,٤١%) (٤,٥٥ لكل مئة ألف من السكان من فئة الرجال) وسرطان البروستات (٦,٨٢%) (٤,٥٥ لكل مئة ألف من السكان من فئة الرجال) وسرطان الغدة اللمفاوية اللا هودجكيني (٦,٢٠%) (٤,١٣ لكل مئة ألف من السكان من فئة الرجال) وأورام الدماغ والجهاز العصبي المركزي (٥,٧٤%) (٣,٨٣ لكل مئة ألف من السكان من فئة الرجال) وسرطان الجلد (٤,١٠%) (٢,٧٣ لكل مئة ألف من السكان من فئة الرجال) وسرطان المعدة (٣,٨٢%) (٢,٥٤ لكل مئة ألف من السكان من فئة الرجال) وسرطان الكلى (٣,٢٩%) (٢,١٩ لكل مئة ألف من السكان من فئة الرجال).



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