

Facts and Numbers of Cancer Cases at Baghdad – Alkarkh 2010 and 2011

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Abstract: *The Iraqi Cancer Registry Board was established by the Ministry of Health. Its functions were laid down in its Establishment Order as follows: The aim of this article is to identify, collect, classify, record, store and analysis information relating to the incidence and prevalence of cancer and related tumors in Iraq. To collect, classify, record and store information in relation to each newly diagnosed individual cancer patient and in relation to each tumor which occurs. To promote and facilitate the use of the data thus collected in approved research and in the planning and management of services. To publish an annual report based on the activities of the Registry.*

Keywords: Facts and Numbers of cancer cases at Baghdad - Alkarkh 2010 and 2011

1. Introduction

The Iraqi Cancer Registry Board was established by the Ministry for Health. Its functions were laid down in its Establishment Order as follows:

- To identify, collect, classify, record, store and analysis information relating to the incidence and prevalence of cancer and related tumors in Iraq
- To collect, classify, record and store information in relation to each newly diagnosed individual cancer patient and in relation to each tumor which occurs.
- To promote and facilitate the use of the data thus collected in approved research and in the planning and management of services.
- To publish an annual report based on the activities of the Registry.

Aim of Iraqi Cancer Registry

- The aim of the Iraqi Cancer Registry is to collect high quality information on cancer and
- To promote the use of this information in reducing cancer incidence and improving survival .

Role of the National Cancer Registry

The Registry provides indicator and research data on cancer control from prevention through screening to treatments and outcomes as well as identifying socio-economic and geographical disparities in cancer related risk factors. This information is essential for effective targeting of cancer services.

Role of the Iraqi Cancer Registry

Data collected and held by the Iraqi Cancer Registry is of importance to the following key client groups :

- The General Public and their representatives.
- Health services planners and administrators.
- Health professionals.

- The epidemiology and cancer research communities.

Cancer Registry unit Activity

The primary activity of the Cancer Registry unit is the reporting of database of all cancer cases. Its hospital based registry in which the data comes from two main sources: case records and death certificates collected at statistic units of all hospitals in Baghdad–Alkarkh. The only information receives actively from private labs. All these reports liaise with results of pathology or cytology report.

Cancer Registry unit Activity

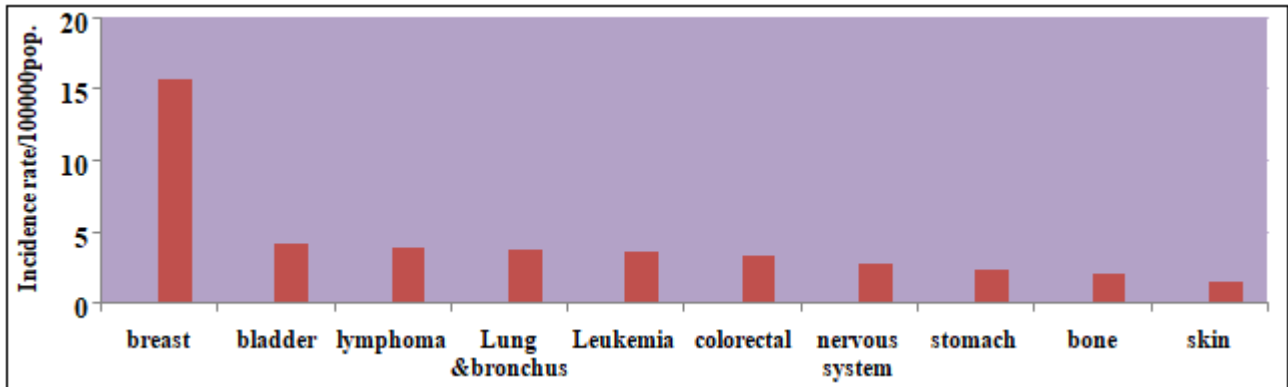
Coding of data (topography ,morphology ,behaviour ,grade ,extent) according to ICDO -3 (International Classification of Diseases for Oncology –Third Edition) .then data entry through trained employee by using CanReg 4 system, registered electronically at source using database replication technology and transmitted to the cancer registry section/ Cancer Registry Board /Ministry of Health Cork. All data checked for accuracy consistency and merged with existing data. Duplicate registrations are merged or removed and the data is prepared for analysis and reporting .

Number, Percent & Incidence Rate of Top Ten Cancers in Baghdad-AlKarkh 2010

Site	Number	Percent	Incidence Rate/100000 pop.
Breast	556	26.6	15.66
Bladder	147	7.03	4.14
Lymphoma	138	6.6	3.89
Lung & Bronchus	135	6.46	3.8
LEUKEMIA	129	6.17	3.63
Colorectal	119	5.7	3.35
Nervous system	98	4.69	2.76
Stomach	83	3.97	2.39
Bone	75	3.59	2.11
Skin	56	2.68	1.58
Total top ten	1536	73.49	
Total cases	2090		58.88

Incidence Rate of Top Ten Cancers at Baghdad-Al-Karkh 2010

Site	Number	Incidence Rate 100000 pop.
Breast	421	23.3
Bladder	120	6.7
Lung and Bronchus	119	6.6
Lymphoma	113	6.3
Leukemia	105	5.8
Colorectal	91	5
Nervous system	80	4.4
Stomach	63	3.5
Bone	52	2.9
Skin	44	2.4
Total	1208	



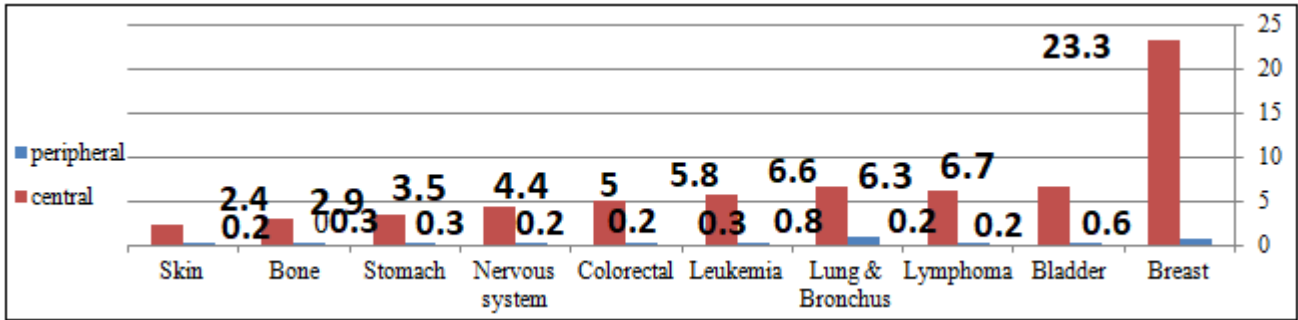
Number and Incidence Rate of Top Ten Types of Cancer in the Central regions of Baghdad- Alkarkh -2010

Site	Number	Incidence Rate 100000 pop.
Breast	421	23.3
Bladder	120	6.7
Lung and Bronchus	119	6.6
Lymphoma	113	6.3
Leukemia	105	5.8
Colorectal	91	5
Nervous system	80	4.4
Stomach	63	3.5
Bone	52	2.9
Skin	44	2.4
Total	1208	

Number and Incidence Rate of Top Ten Types of Cancer in the Peripheral regions of Baghdad- Alkarkh-2010

site	Number	Incidence Rate/100000 pop
Lung and Bronchus	14	0.8
Breast	10	0.6
Leukemia	6	0.3
Bone	6	0.3
Stomach	5	0.3
Nervous System	4	0.2
Lymphoma	3	0.2
Bladder	3	0.2
Colorectal	3	0.2
Skin	3	0.2
Total Cancer Cases	57	

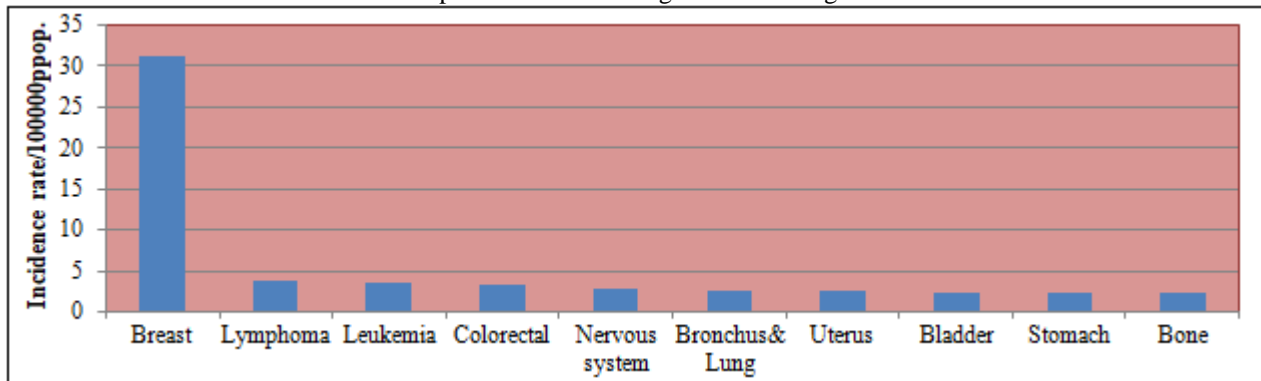
Incidence Rate of Common Types of Cancer in the peripheral and central regions of Baghdad-2010



Number, Percent & Incidence Rate of Top Ten Cancers among females in Baghdad Al-Karkh -2010

Site	Number	percent	Incidence rate/100000pop
Breast	535	44.1	31.2
Lymphoma	63	5.19	3.67
Leukemia	61	5.03	3.56
Colorectal	57	4.7	3.32
Nervous system	48	3.96	2.8
Bronchus & Lung	43	3.54	2.5
Uterus	42	3.46	2.45
Bladder	40	3.3	2.33
Stomach	40	3.3	2.33
Bone	39	3.22	2.27
Total Top Ten	949	78.24	
Total	1213		70.75

Incidence Rate of Top Ten Cancers among females at Baghdad Al-Karkh2010



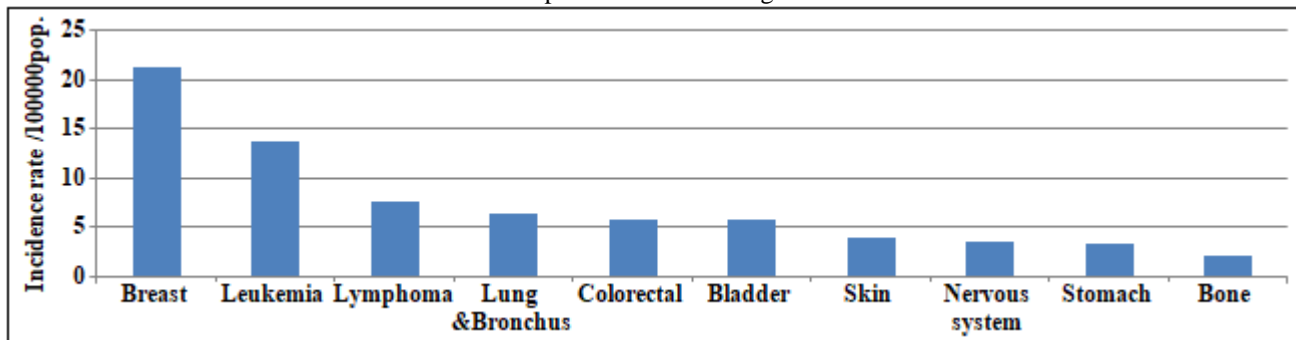
Number, Percent & Incidence Rate of top ten types of cancer among males in Baghdad Alkarkh -2010

Site	Number	Percent	Incidence rate/100000 pop.
Bladder	107	12.2	5.99
Bronchus & Lung	92	10.2	5.15
Lymphoma	75	8.55	4.2
Leukemia	68	7.75	3.8
Colorectal	62	7.06	3.47
Nervous system	50	5.7	2.8
Prostate	44	5.01	2.46
Stomach	43	4.9	2.4
Bone	36	4.1	2.01
Skin	27	3.07	1.51
Total Top ten	604	68.87	
Total cases	877		49.12

Number, Percent & Incidence Rate of Top Ten Cancers in Baghdad-Al-Karkh 2011

Site	Number	Percent	Incidence Rate/100000 pop.
Breast	733	21.67	21.2
Leukemia	472	13.95	13.65
Lymphoma	259	7.66	7.5
Lung & Bronchus	217	6.41	6.28
Colorectal	197	5.82	5.7
Bladder	195	5.64	5.64
Skin	137	4.05	3.96
Nervous system	121	3.58	3.5
Stomach	111	3.28	3.21
Bone	67	1.98	1.94
Total top ten	2509	74.16	
Total cases	3383		97.83

Incidence Rate of Top Ten Cancers at Baghdad -Alkarkh-2011



Site	Number	Incidence Rate/100000 pop.
Breast	303	16.8
Lung and Bronchus	131	7.3
Leukemia	117	6.5
Colorectal	89	5
Lymphoma	76	4.2
Bladder	65	3.6
Nervous System	65	3.6
Stomach	59	3.3
Thyroid	35	2
Skin	34	1.9

Colorectal	12	0.7
Nervous System	11	0.6
Stomach	6	0.3
Thyroid	3	0.2

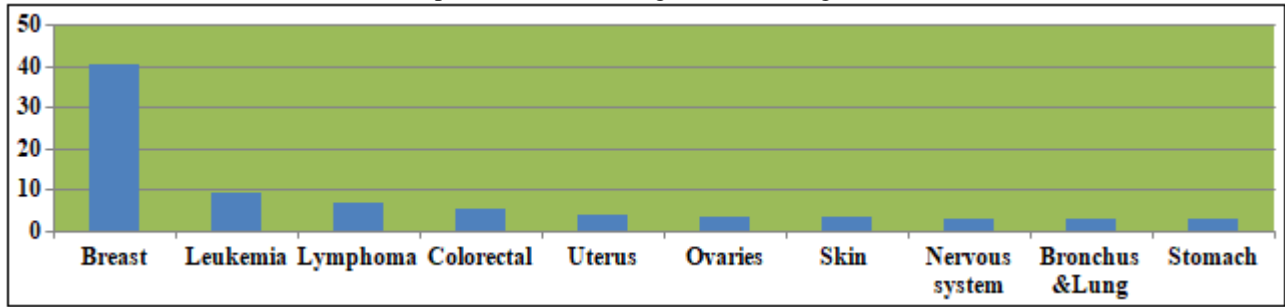
Number and Incidence Rate of Common Types of Cancer at Central Regions of Baghdad –Alkarkh-2011
 Number and Incidence Rate of Common Types of Cancer at Peripheral Regions of Baghdad –Alkarkh-2011

Site	Number	Incidence Rate/100000 pop.
Leukemia	36	2.1
Breast	33	1.9
Lung and Bronchus	25	1.4
Lymphoma	25	1.4
Bladder	18	1.03
Skin	15	0.9

Number, Percent & Incidence Rate of Top Ten Cancers among females in Baghdad Al-Karukh -2011

Site	Number	percent	Incidence rate/ 100000pop
Breast	694	39.12	40.66
Leukemia	163	9.19	9.55
Lymphoma	116	6.54	6.8
Colorectal	88	4.96	5.16
Uterus	66	3.72	3.87
Ovaries	60	3.38	3.52
Skin	55	3.1	3.22
Nervous system	54	3.04	3.16
Bronchus & Lung	53	2.99	3.1
Stomach	49	2.76	2.87
Total top ten	1398	78.8	
Total	1774		103.93

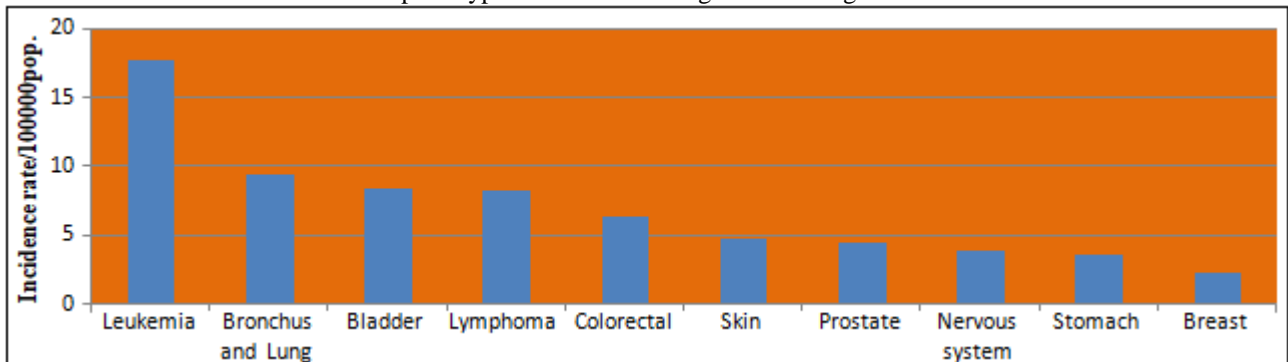
Incidence Rate of Top Ten Cancers among females at Baghdad Al-Karukh -2011



Number, Percent & Incidence Rate of top ten types of cancer among males in Baghdad –Al-karukh -2011

Site	Number	percent	Incidence rate/ 100000pop.
Leukemia	309	19.2	17.65
Bronchus and Lung	164	10.19	9.37
Bladder	147	9.14	8.39
Lymphoma	143	8.89	8.17
Colorectal	109	6.77	6.22
Skin	82	5.1	4.68
Prostate	76	4.72	4.34
Nervous system	67	4.16	3.83
Stomach	62	3.85	3.54
Breast	39	2.42	2.23
Total Top Ten	1198	74.46	
Total	1609		91.88

Incidence Rate of top ten types of cancers among males at Baghdad –Al-karukh -2011



2. Recommendations

The needs which have been identified:

- More timely information.
- More detailed information on treatment and follow up.
- Detailed targeted reports on subsets of the data e.g. for individual health boards or hospitals
- Extended patient dataset to include information on some risk factors and socio-economic status
- A wider range of international comparative data, especially on cancer outcomes.