



ONCOLOGY PALESTINE

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**PRESENTATION AROME
NAPLES - AVRIL 2007**



Association de Radiothérapie et d'Oncologie de la Méditerranée

WEST BANK and GAZA STRIP

Palestine
compromises
from 2
separated areas.



WEST BANK

5 634 Km²

Located between coastal plain in the west and the Jordan valley in the east.

Divided into 3 regions and 10 provinces.



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GAZA STRIP

It is a narrow zone of land along the mediterranean sea.

50 Km long.

5 – 10 Km wide.

362 Km².

5 towns – 40 villages –

8 refugee camps



Population 2005

West Bank 2,372,216

Density rate 335 people per one square Km.

Gaza Strip 1,389,789

Density rate 2 824 people per one square Km.

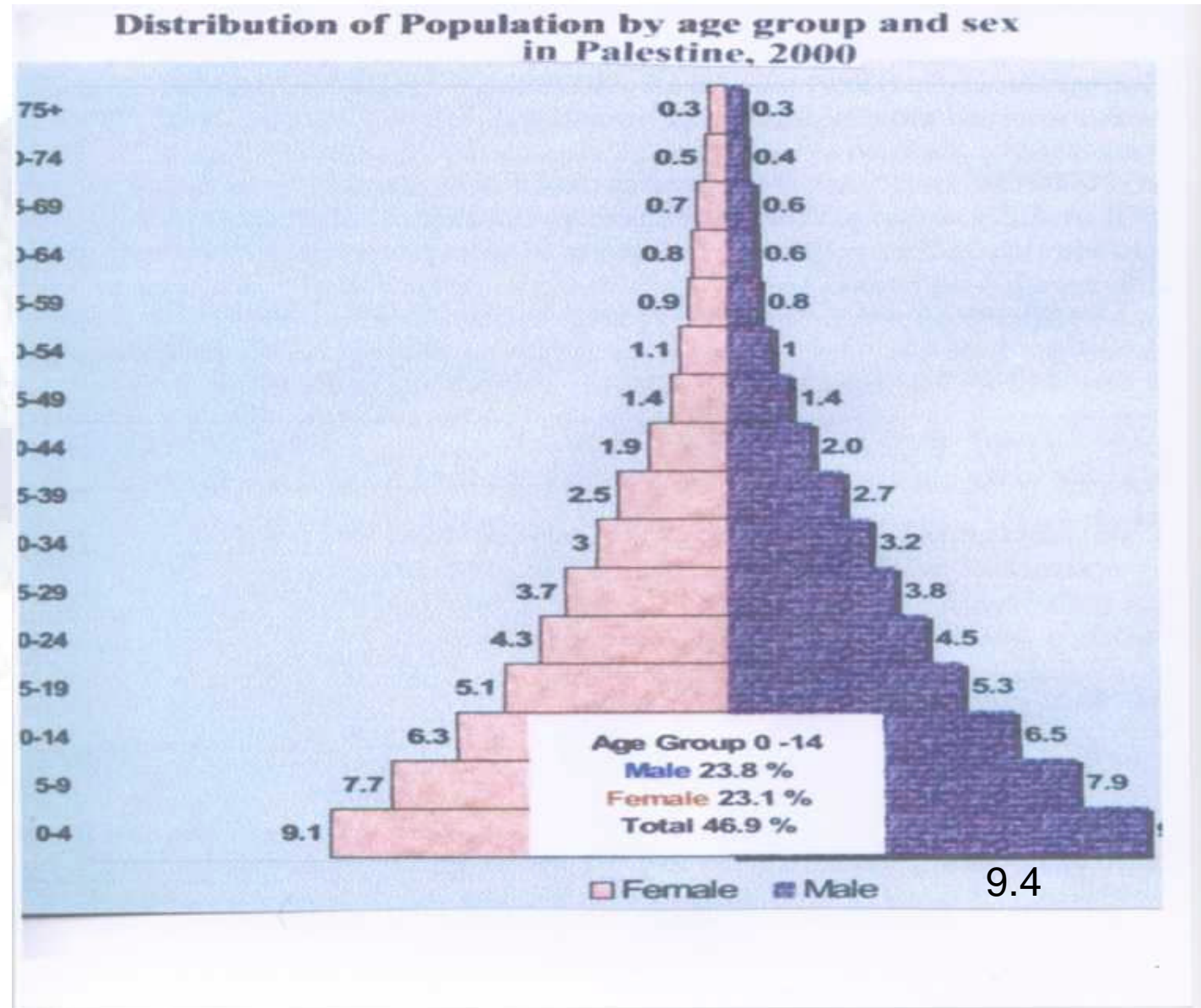
(one of the highest worldwide)

Jerusalem 389,663

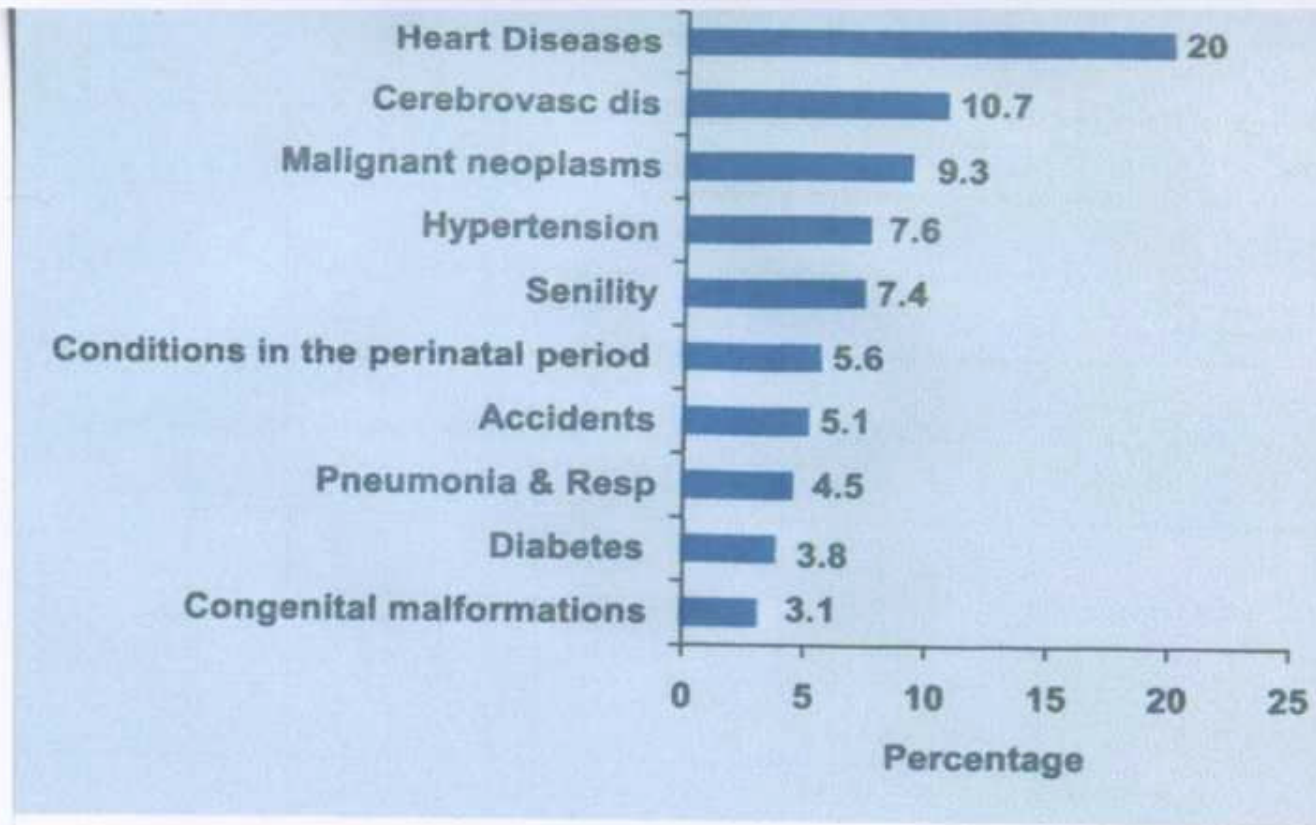


Children
less than
14 years
old =
47%

Fertility
rate : 6.1



Leading causes of death among population in palestine



Hospital services in Palestine

77 Hospitals furnished with	4 824 beds.
- 43 general hospitals	3 539
- 10 specialized hospitals	813
- 20 maternity hospitals	315
- 4 rehabilitation hospitals	157

Bed configurations

Internal medicine and medical subspeciality
894 (493 WB- 401G)

General surgery and subspeciality
691 (281 WB- 410 G)

Bed occupancy rate 2004 = 81,1 %
(highest Hebron 116 % – lowest Rafah 55.8_%)



Treatment abroad

- 2005 : USD 59,565,339 - represented 42,7 % of the running budget of MOH.
- For Israel, Jordan, Egypt, Jerusalem.
- 31 721 patients
 - oncology patients : 3 590 (11%)
cost 17,8 millions USD .



The top ten procedure, 2005

- Ophthalmology
 - **Oncology**
- Heart Catheterization
 - Orthopedics
 - Urology
 - Infertiltiy
- Neurosurgery
 - M.R.I.
- Rehabilitation
- General surgery

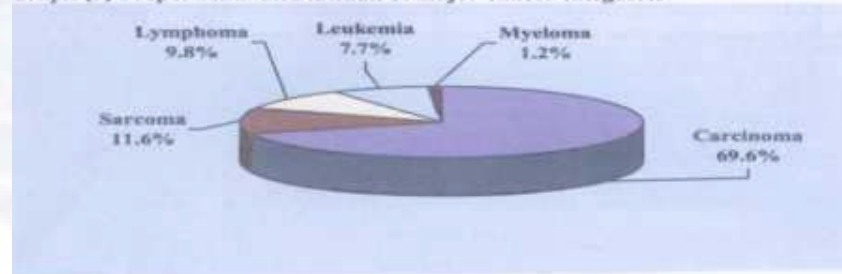


1. EPIDEMIOLOGY OF CANCER

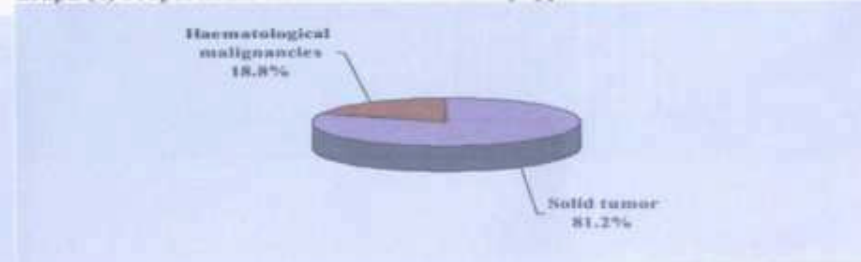
Table (1) Distribution of major cancer categories (Rate per 100,000)

Categories	Male			Female			Total		
	Cases	Rate	%	Cases	Rate	%	Cases	Rate	%
1. Carcinoma	1,131	36.8	64.6	1408	46.7	74.3	2,539	41.7	69.6
2. Sarcoma	234	7.6	13.4	189	6.3	10	423	7.0	11.6
3. Hematological malignancies	385	12.5	22	299	9.9	15.8	684	11.2	18.8
Lymphoma	217	7.1	12.4	142	4.7	7.5	359	5.9	9.8
Leukemia	146	4.8	8.3	134	4.4	7.1	280	4.6	7.7
Myeloma	22	0.7	1.3	23	0.8	1.2	45	0.7	1.2
Total	1,750	57	48%	1896	62.9	52%	3,646	59.9	100

Graph (3) Proportional distribution of major cancer categories



Graph (4) Proportional distribution of cancer by type

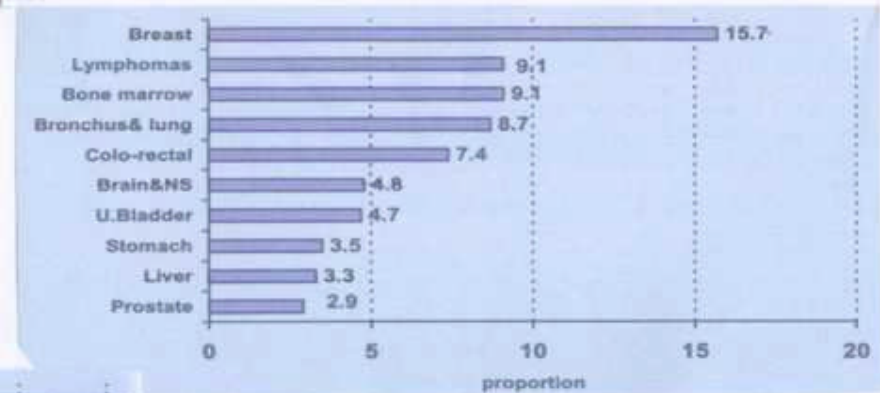


Ministry of Health-PCR&HMDS. Cancer morbidity, Cancer 1995-2000

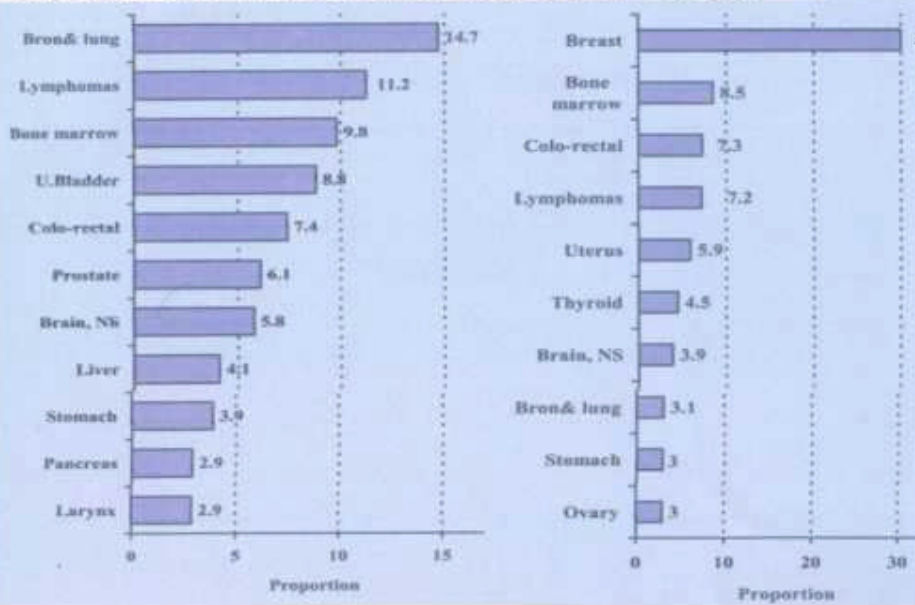
EPIDEMIOLOGY (2)

Mortality

Graph (10) Most common types of cancer morbidity in Gaza Strip, Palestine 1995-2000

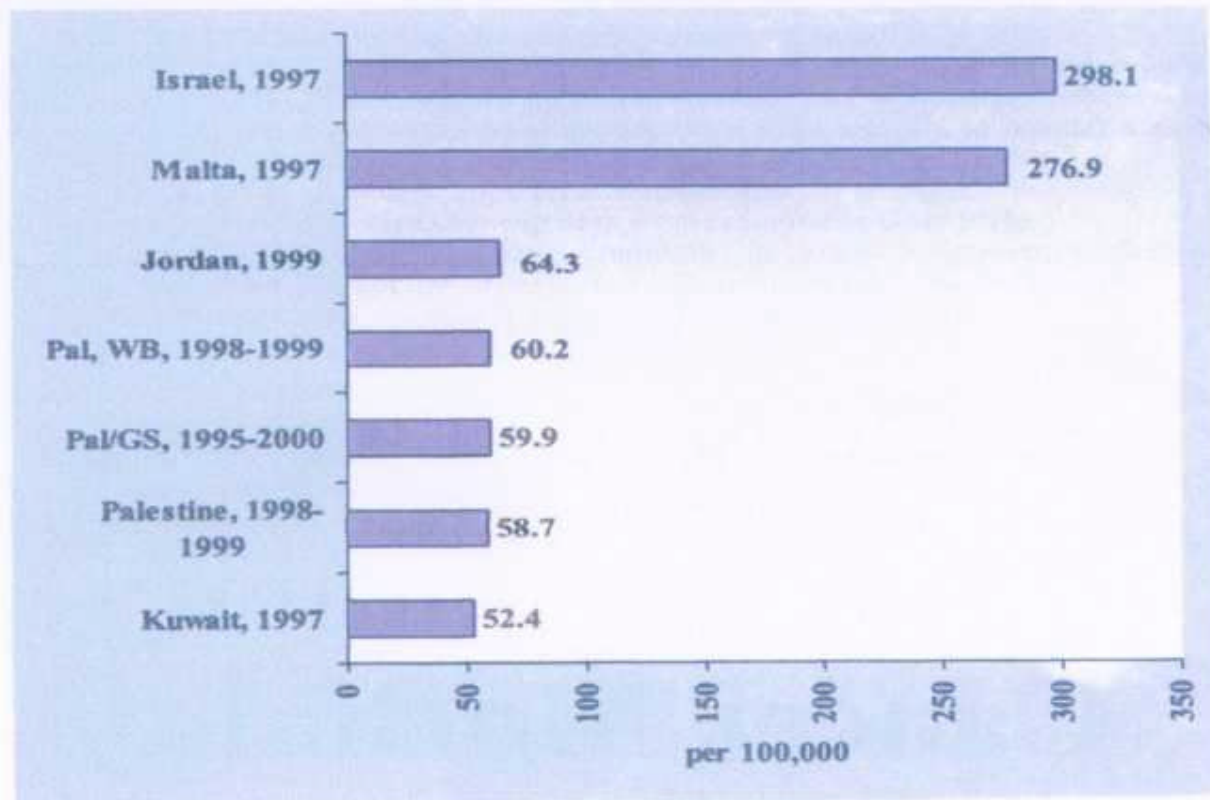


Graph (11) most common types of cancer morbidity by sex "1995-2000"



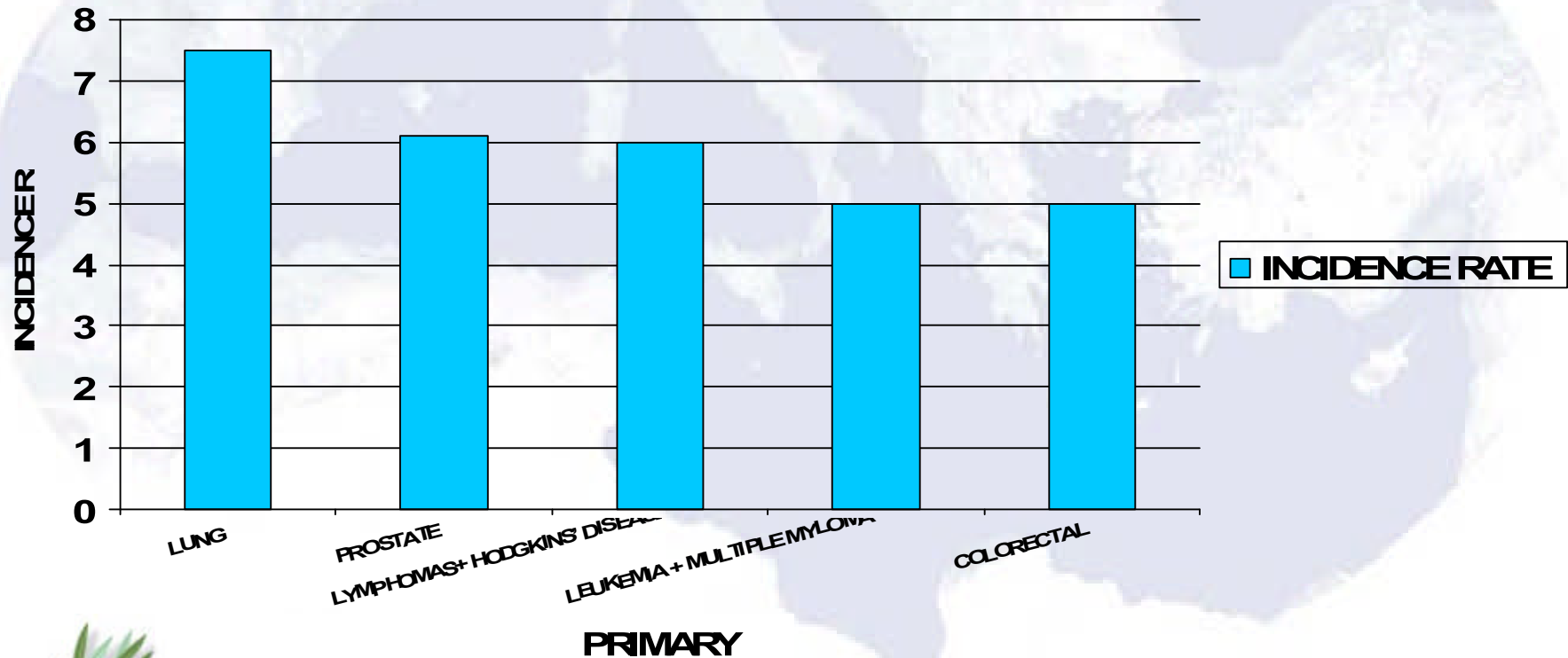
EPIDEMIOLOGY (3)

Graph (22) Comparison between incidence rate of all cancer in WHO regions and different countries (per 100,000)

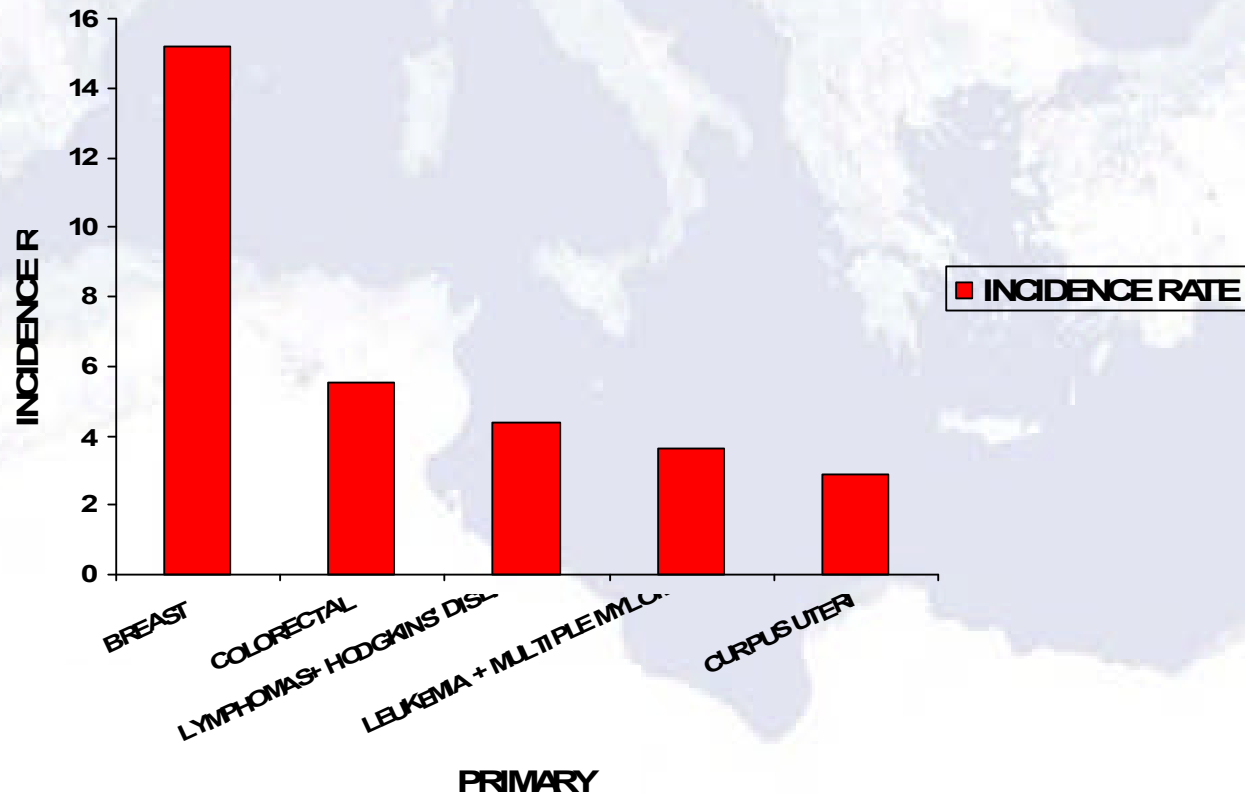


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MOST COMMON CANCER CASES MALE FOR 2001 - 2005 IN WEST BANK

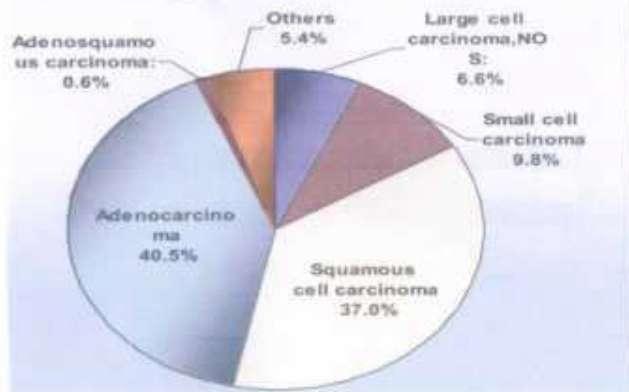


MOST COMMON CANCER CASES FEMALE FOR 2001 - 2005 IN WEST BANK



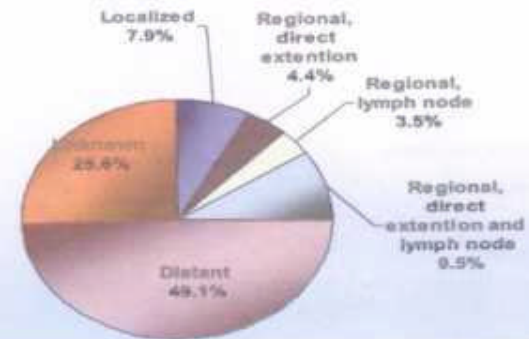
Lung cancer

Proportional distribution of bronchus and lung cancer by histopathology in Palestine 1995-2000

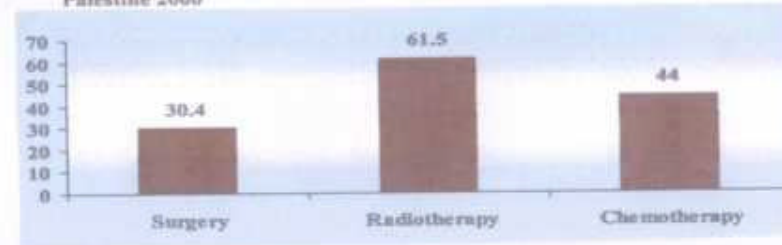


Incidence rate 7.5
per 100 .000

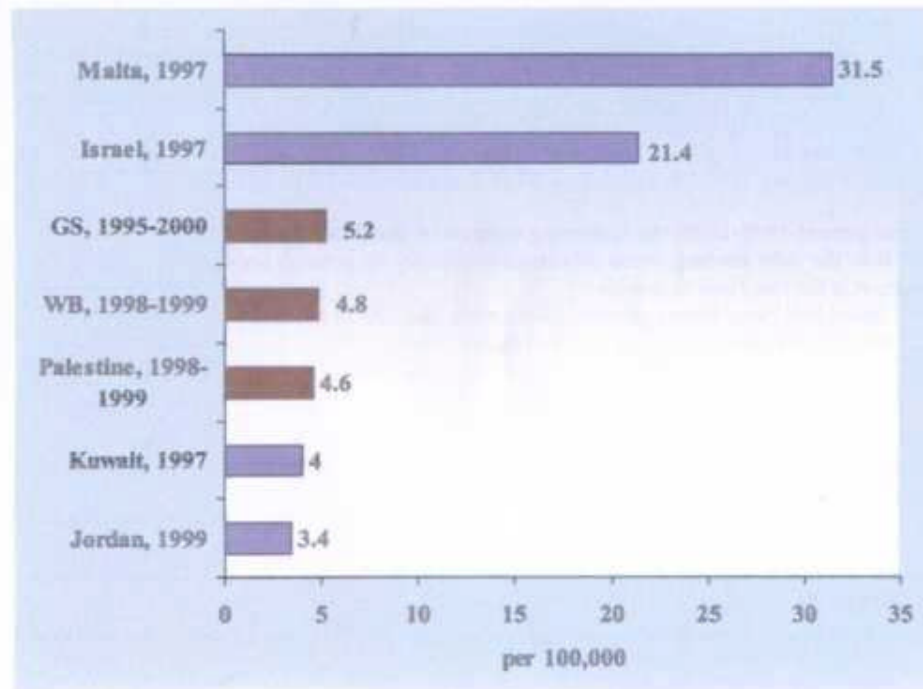
Proportional distribution of bronchus and lung cancer by stage in Palestine 1995-2000



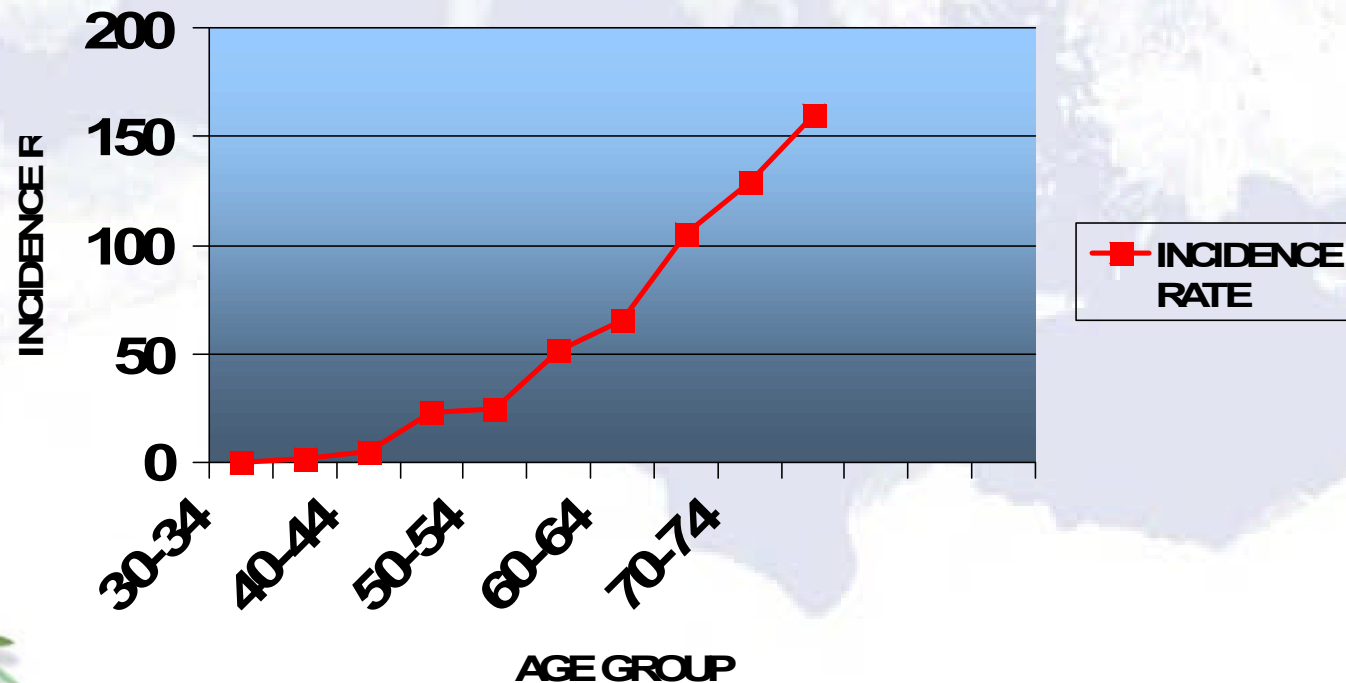
Proportional distribution of bronchus and lung cancer therapy in Palestine 2000



Comparison between incidence rate of bronchus and lung cancer in different countries (per 100,000)

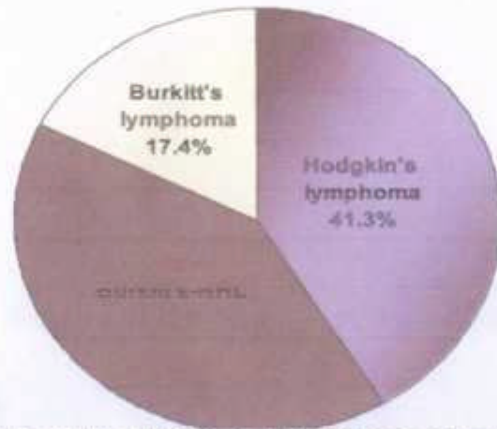


LUNG CANCER INCIDENCE RATE BY AGE PER100,000 2001 - 2005 (WEST BANK)

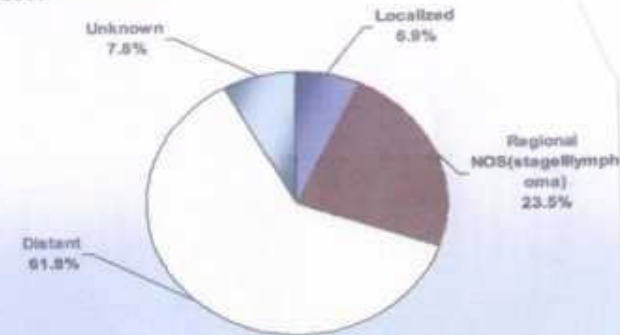


Hematology - Lymphoma

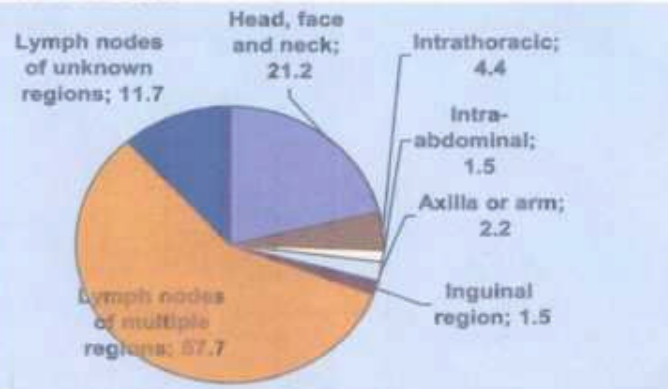
Proportional distribution of Lymphomas by histopathology in Palestine 1995-2000



Proportional distribution of lymphomas by stage in Palestine 1995-2000

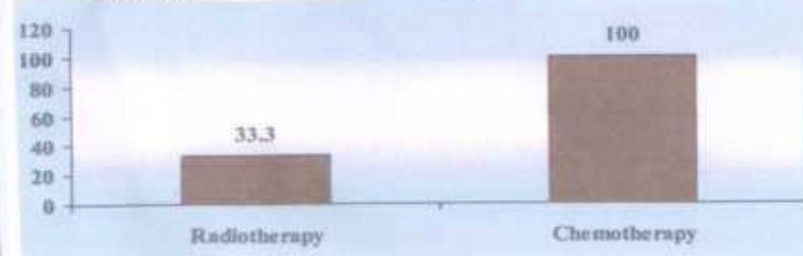


Proportional distribution of Hodgkin's disease by site of lymph node Palestine 1995-2000



Incidence rate 4.7 per 100 .000

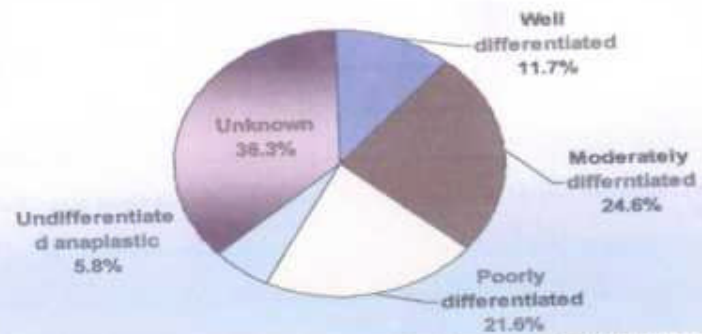
Proportional distribution of Lymphomas therapy in Palestine 2000



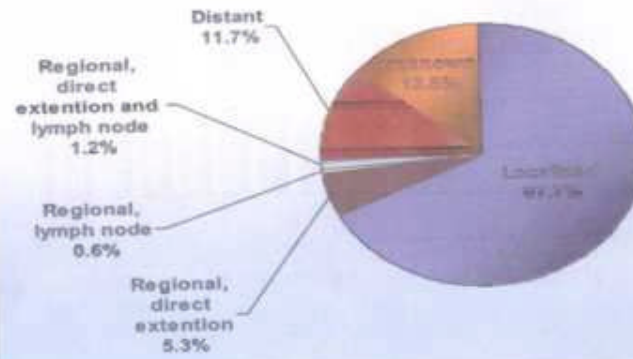
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Urology - Bladder

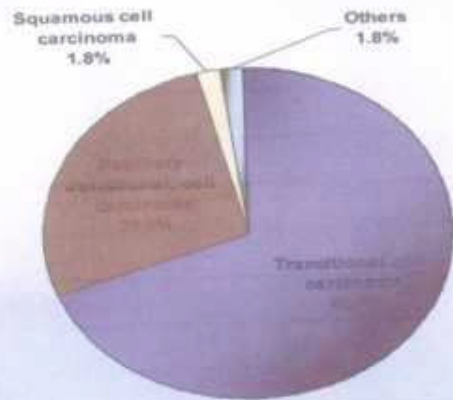
Proportional distribution of urinary bladder cancer by grade in Palestine 1995-2000



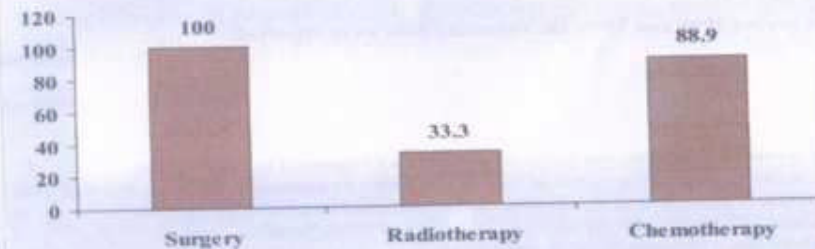
Proportional distribution of urinary bladder cancer by stage in Palestine 1995-2000



Proportional distribution of urinary bladder cancer by histopathology Palestine 1995-2000



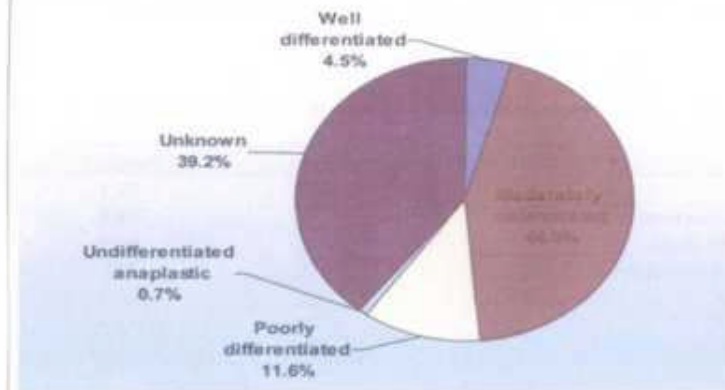
Proportional distribution of urinary bladder cancer therapy in Palestine 2000



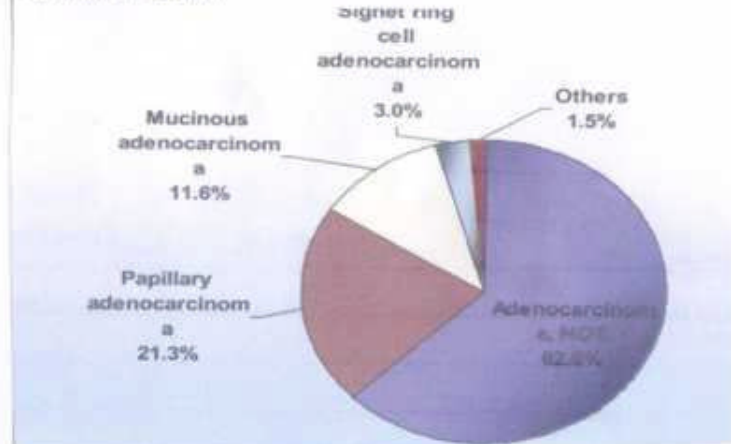
Incidence rate 3.1 per 100 .000

Colorectal

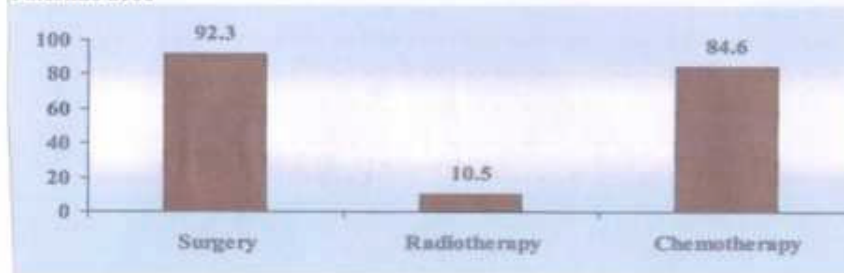
Proportional distribution of colorectal cancer by grade in Palestine 1995-2000



Proportional distribution of colorectal cancer by histopathology in Palestine 1995-2000



Proportional distribution of colorectal cancer therapy in Palestine 2000



Incidence rate 4.7
per 100 .000

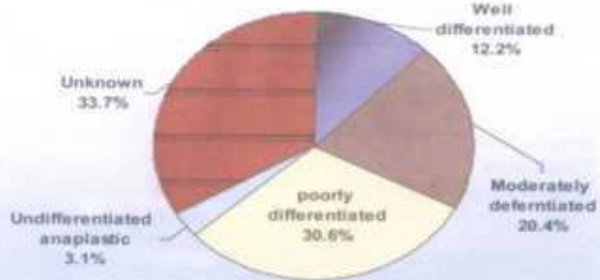


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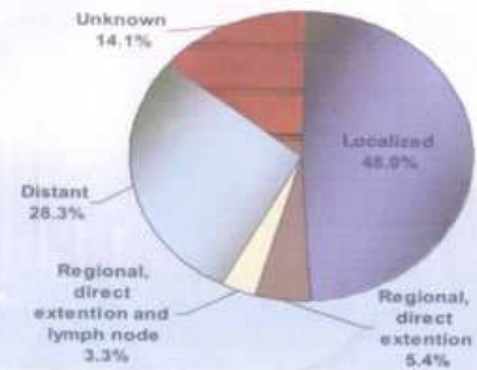
Prostate

Proportional distribution of prostate cancer by grade in Palestine 1995-2000



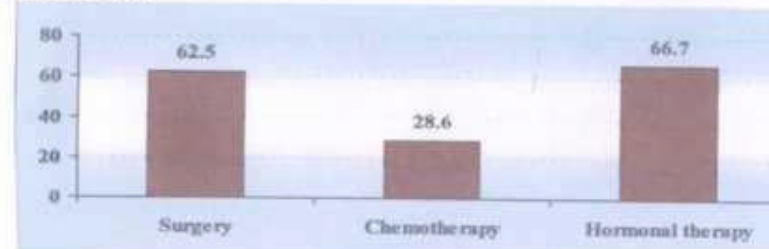
Ministry of Health PCRA&MIS. Prostate Cancer morbidity, Cancer (1995-2000)

Proportional distribution of prostate cancer by stage in Palestine 1995-2000



Incidence
rate 6.1per
100 .000

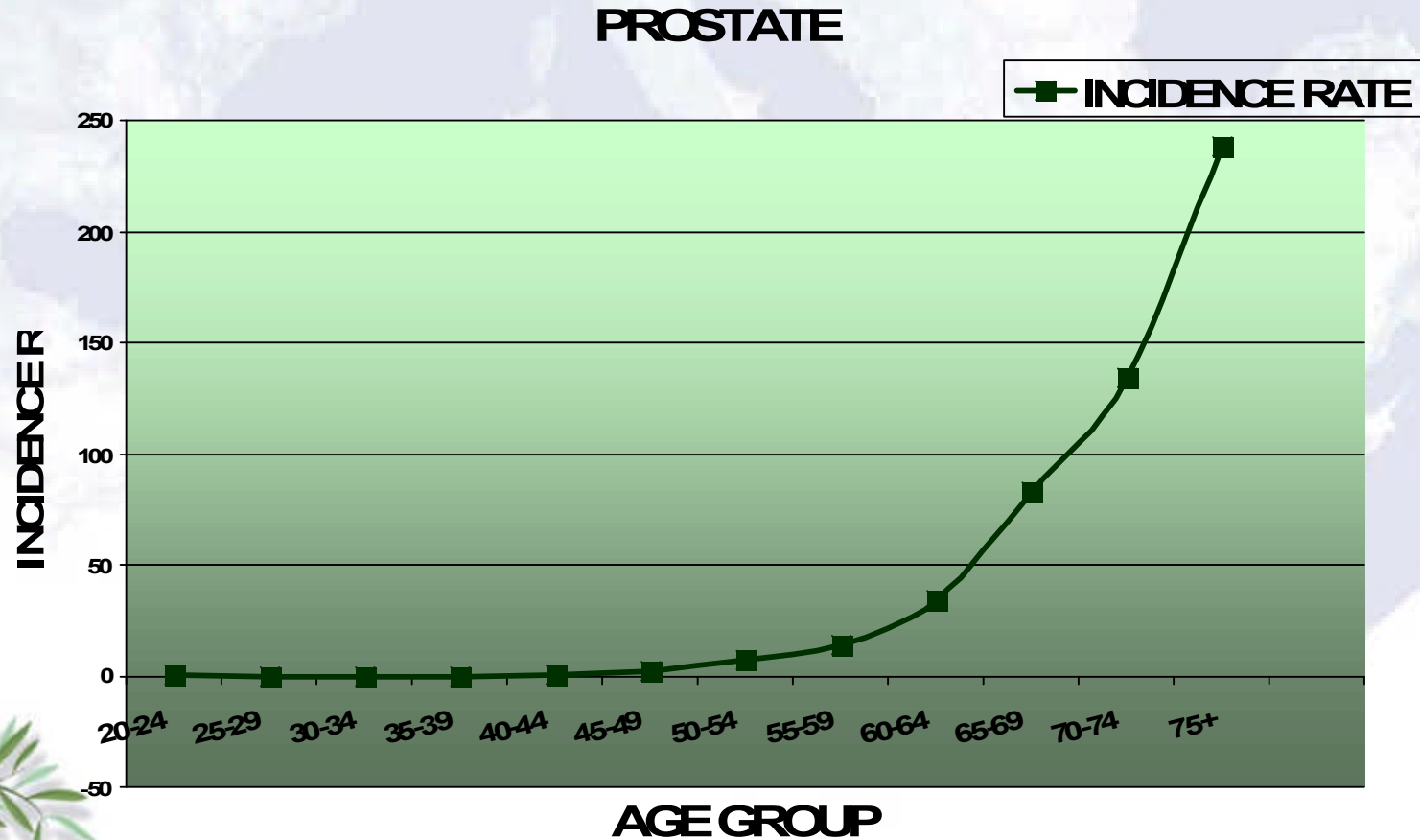
Proportional distribution of prostate cancer therapy in Palestine 2000



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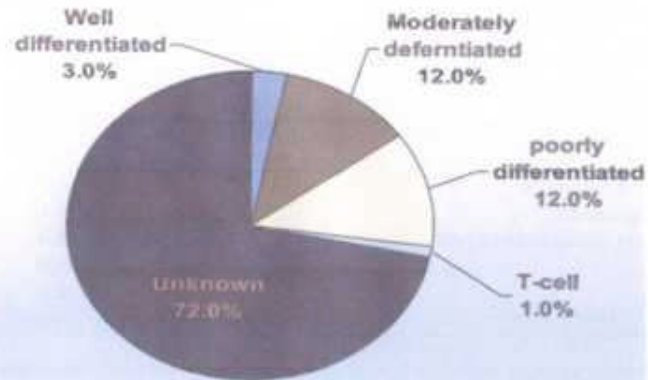
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PROSTATE CANCER INCIDENCE RATE BY AGE PER100,000 2001 – 2005 (WEST BANK)

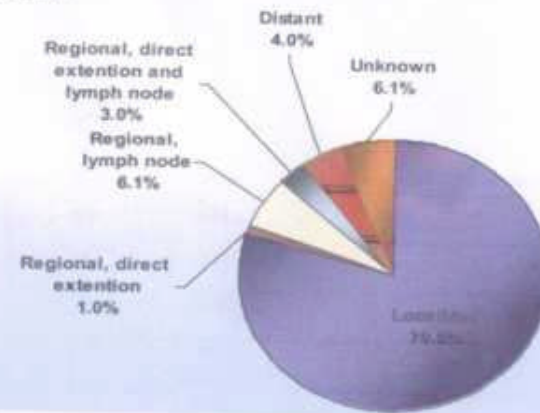


Thyroïde

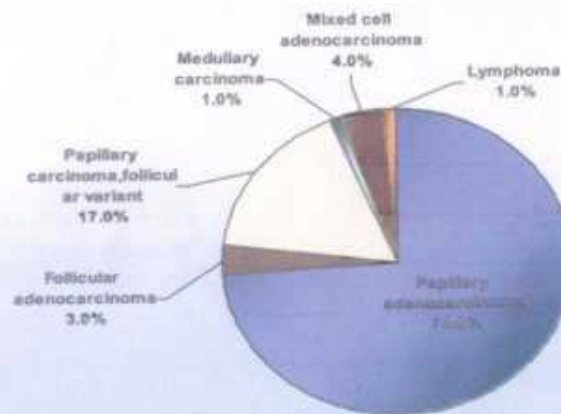
Proportional distribution of thyroid cancer by grade in Palestine 1995-2000



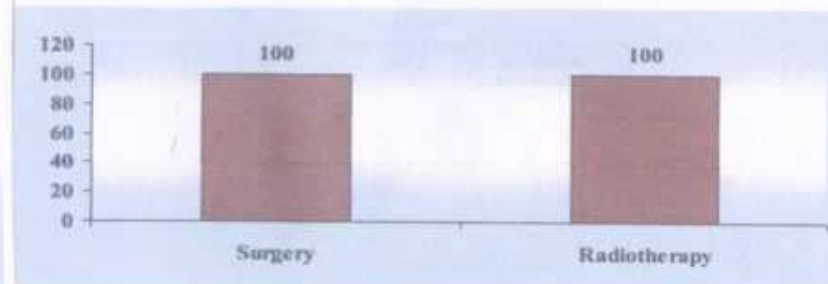
Proportional distribution of thyroid cancer by stage in Palestine 1995-2000



Proportional distribution of thyroid cancer by histopathology in Palestine 1995-2000



Proportional distribution of thyroid cancer therapy in Palestine 2000



Incidence rate 1.6 per 100 .000

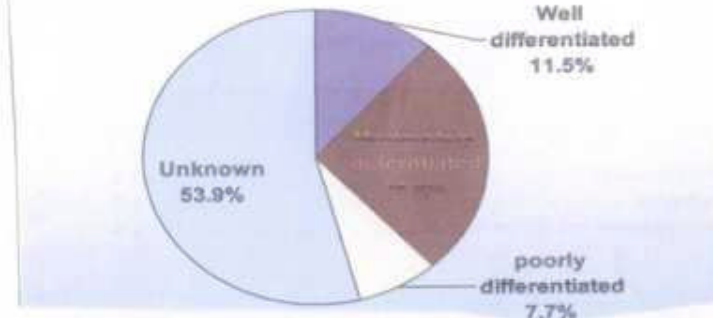


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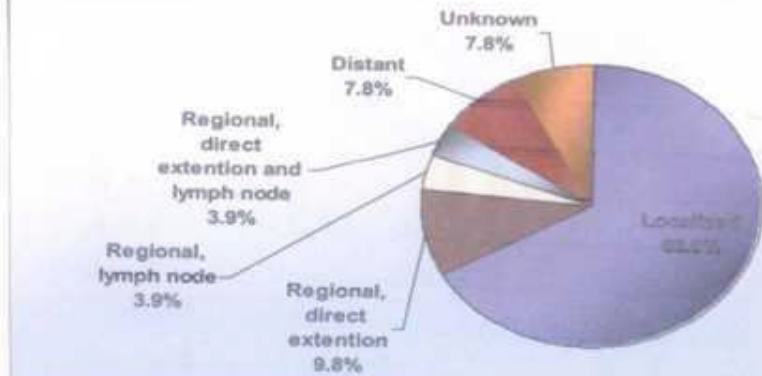
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Larynx

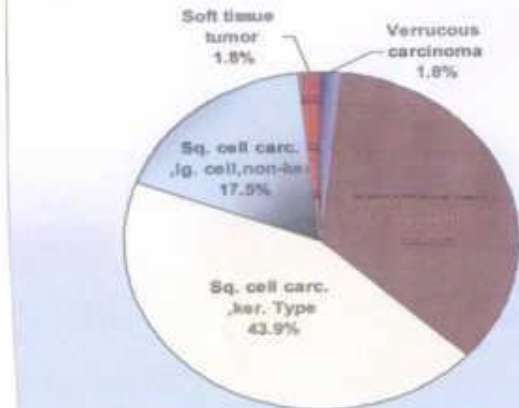
Proportional distribution of larynx cancer by grade in Palestine 1995-2000



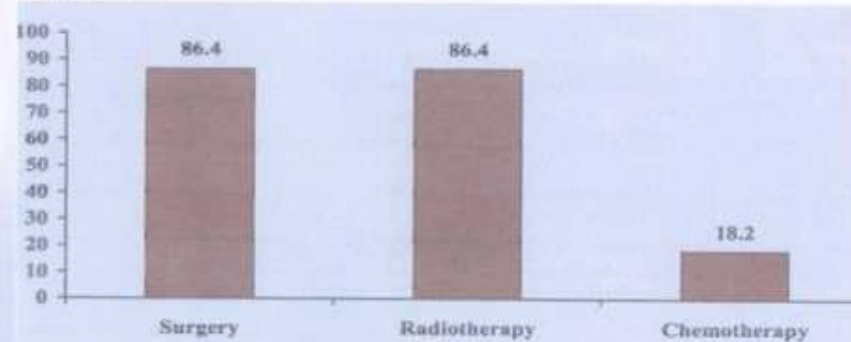
Proportional distribution of larynx cancer by stage in Palestine 1995-2000



Proportional distribution of larynx cancer by histopathology in Palestine 1995-2000



Proportional distribution of larynx cancer therapy in Palestine 2000

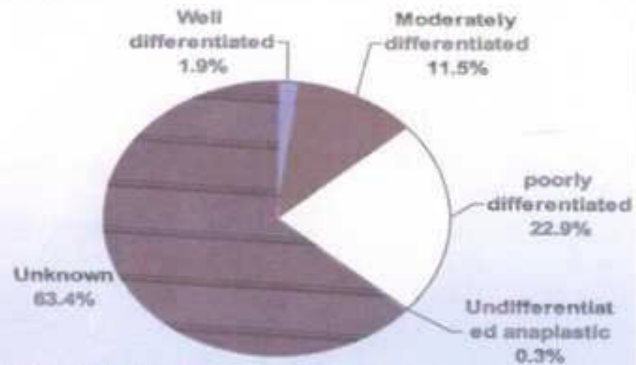


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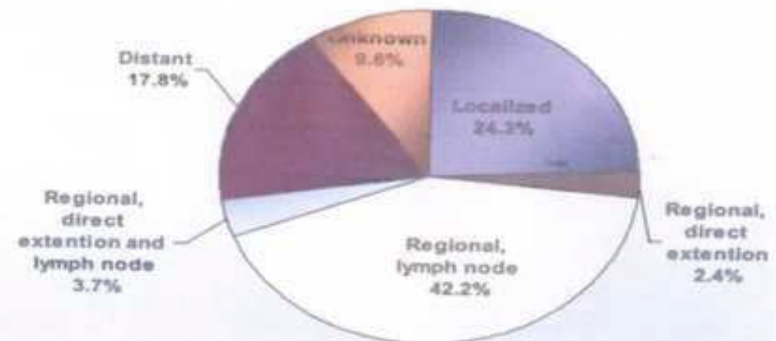
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Breast cancer

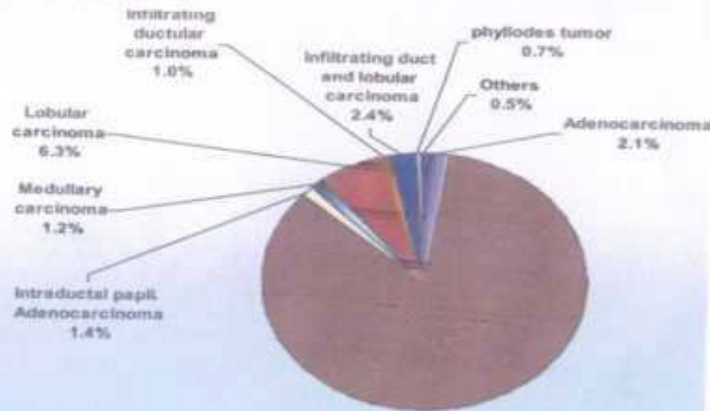
Proportional distribution of breast cancer by grade in Palestine 1995-2000



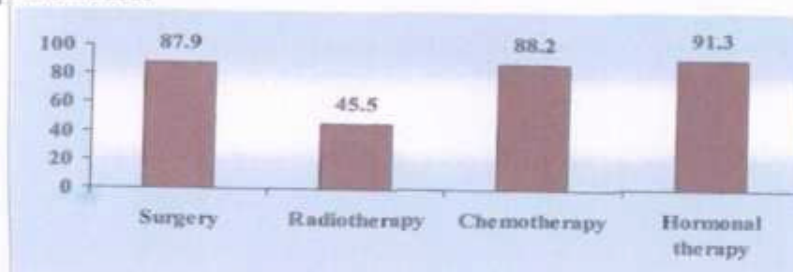
Proportional distribution of breast cancer by stage in Palestine 1995-2000



Proportional distribution of breast cancer by histopathology in Palestine 1995-2000



Proportional distribution of breast cancer therapy in Palestine 2000



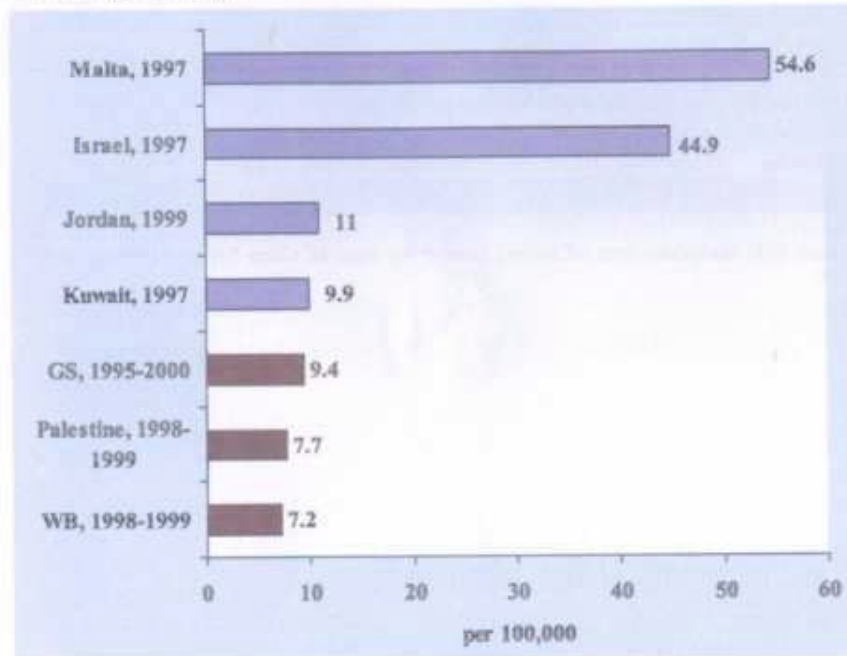
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For 2005 in West Bank :

incidence rate of breast cancer 15.2 per 100 .000

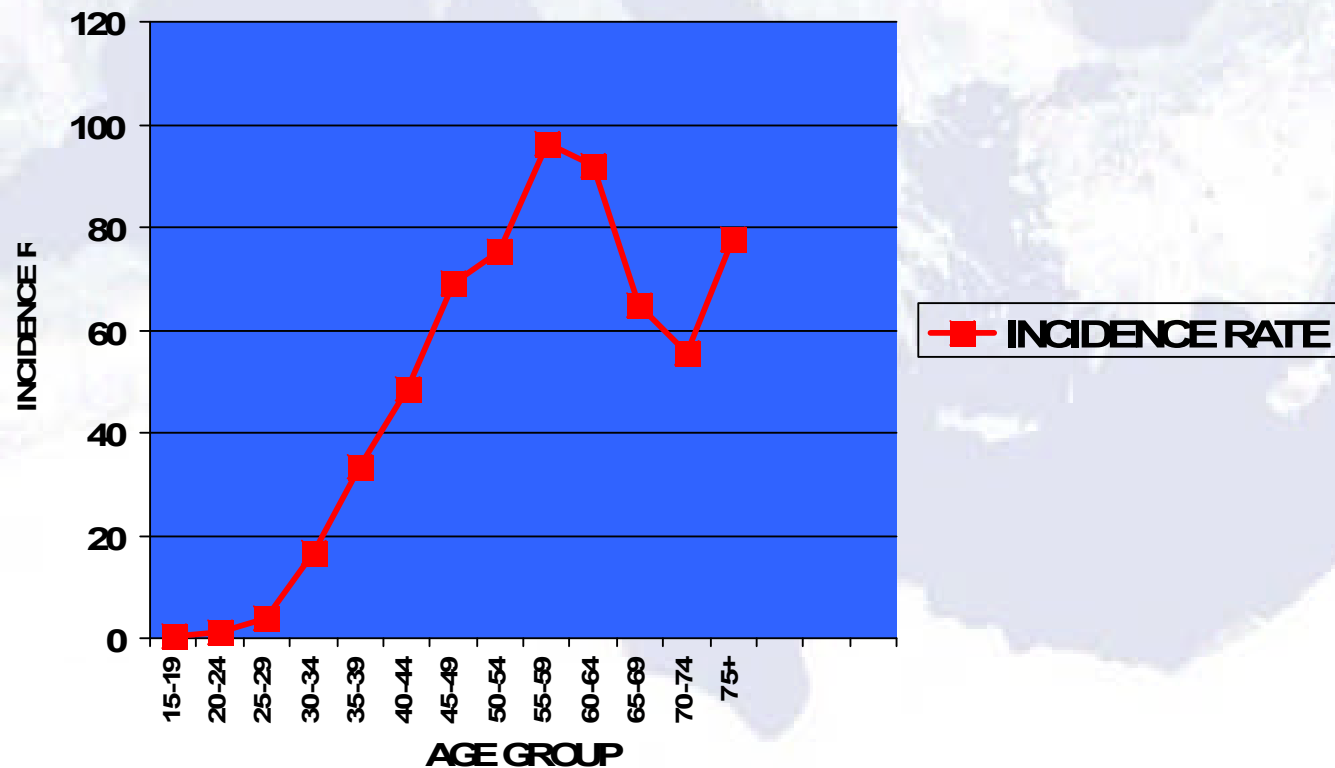
Comparison between incidence rate of breast cancer in different countries (per 100,000)



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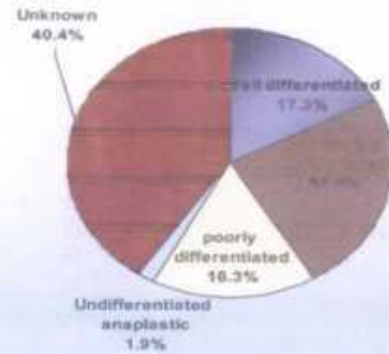
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BREAST CANCER INCIDENCE RATE BY AGE PER100,000 2001 - 2005 (WEST BANK)

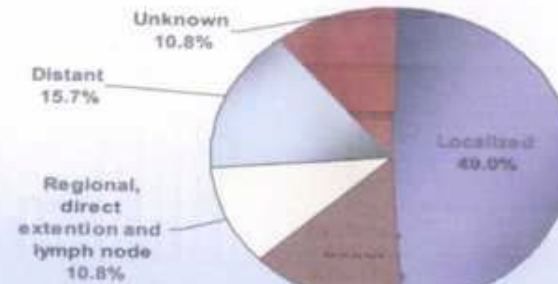


Uterus cancer

Proportional distribution of uterus cancer by grade in Palestine 1995-2000

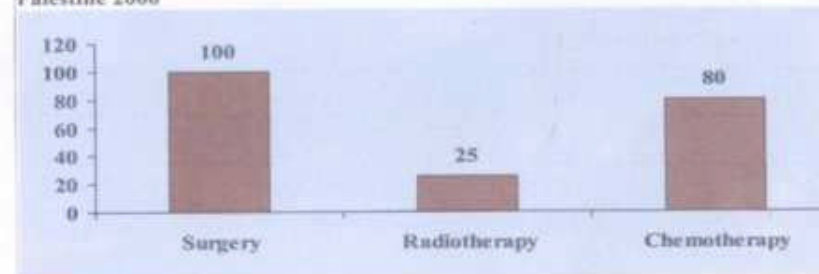


Proportional distribution of uterus cancer by stage in Palestine 1995-2000



Incidence
rate 3.5 per
100 .000

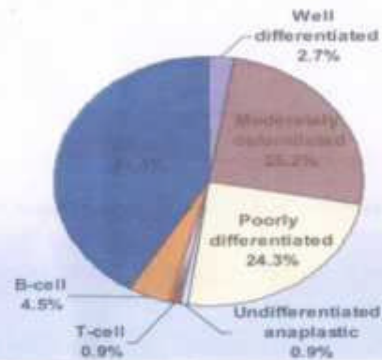
Proportional distribution of uterus cancer therapy in Palestine 2000



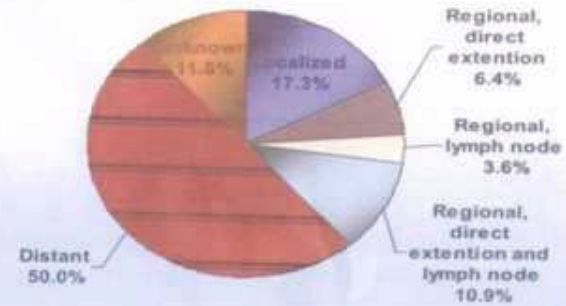
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Stomach cancer

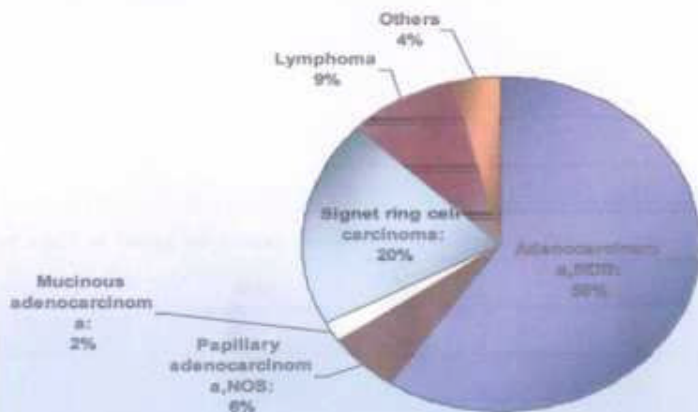
Proportional distribution of stomach cancer by grade in Palestine 1995-2000



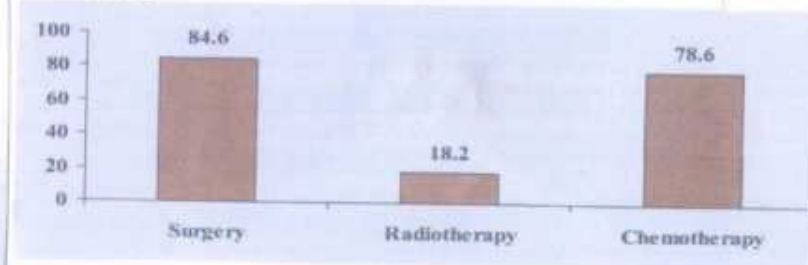
Proportional distribution of stomach cancer by stage in Palestine 1995-2000



Proportional distribution of stomach cancer by histopathology in Palestine 1995-2000



Graph (95) Proportional distribution of stomach cancer therapy in Palestine 2000



Incidence rate 2.2 per 100 .000

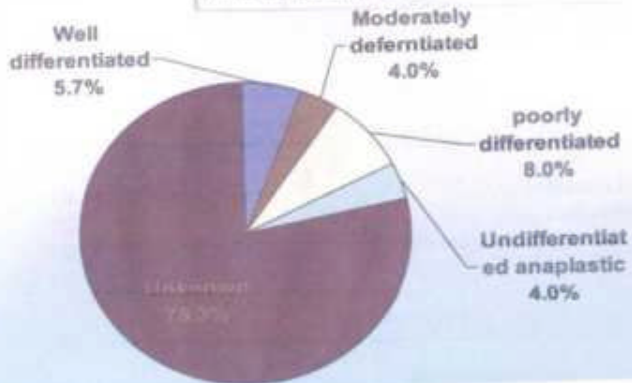


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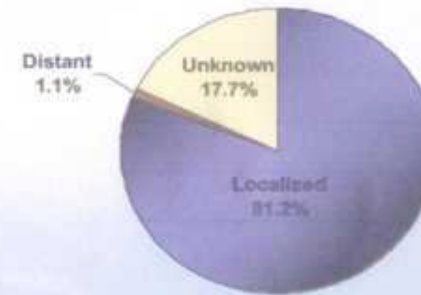
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Brain cancer

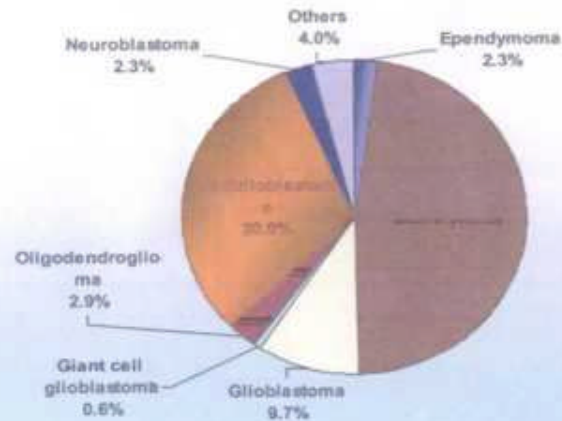
Proportional distribution of brain and other nervous system cancer by grade in Palestine 1995-2000



Proportional distribution of brain and other nervous system cancer by stage in Palestine 1995-2000

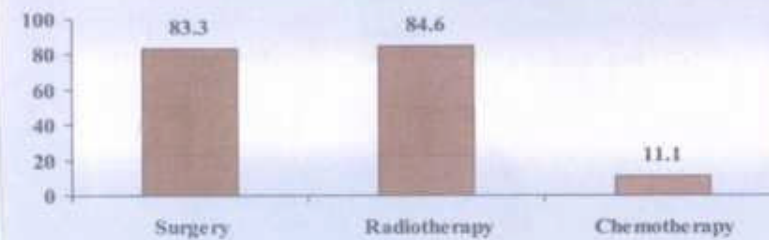


Proportional distribution of brain and other nervous system cancer by histopathology in Palestine 1995-2000



Incidence rate 2.2 per 100 .000

Proportional distribution of brain and other nervous system cancer therapy in Palestine 2000



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