



State of Palestine

Ministry of Health

Health Annual Report Palestine 2018

Assistant Deputy of Planning Affairs

General Directorate of Health Policies & Planning

Palestinian Health Information Center

PHIC

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Primary Health Care:

Indicator	Palestine	Indicator	Palestine
No. of PHC centers in Palestine	732	No. of MOH PHC centers in Palestine	468
Pop\ PHC centers in Palestine	6,242	Percent of MOH PHC centers of total PHC centers in Palestine	63.9 %

Hospitals:

Indicator	Palestine
No. of Hospitals	82
Population \ hospital ratio	59,195
No. of beds	6,440
Population \ bed ratio	754
Beds Per 10,000 Pop.	13.3
MOH Hospital Indicators	
No. of Hosp	27
Population\ hospital ratio	179,778
No. of beds	3,462
population bed ratio	1,402
Beds Per 10,000 Pop.	7.6
Average length of stay (days)	2.2
Bed occupancy rate (%)	101.5%
West Bank MOH Hospital Indicators	
No. of Admissions	255,714
No. of Hospitalization days	566,141
No. of Births	39,218
% of Caesarian Sections	27%
No. of Operations	62,708
No. of Deaths	2,686
Treatment without hospitalization	1,611,775

Human Resources:

Specialty	Palestine / 10,000 Pop.
Physicians*	21.5
Dentists	7.1
Pharmacists	11.2
Nursing	23.6
Midwifery	2.3

*Physicians = General and Specialists

Purchasing Health Services:

Indicator	Palestine		
	West Bank	Gaza Strip	Total
Total number of patients referred to treatment outside MOH facilities	78,949	30,869	109,818
Estimated cost (NIS) of patients referred to treatment outside MOH facilities	490,259,422	234,363,491	724,622,913
Total number of patients referred to treatment outside MOH facilities inside Palestine	65,358	23,775	89,133
Estimated cost (NIS) of patients referred to treatment outside MOH facilities inside Palestine	349,252,595	188,509,422	537,762,017
Total number of patients referred to treatment outside MOH facilities outside Palestine	13,591	7,094	20,685
Estimated cost (NIS) of patients referred to treatment outside MOH facilities outside Palestine	141,006,827	45,854,069	186,860,896
Estimated cost (NIS) per patient referred to treatment inside Palestine	5,344	7,929	6,033
Estimated cost (NIS) per patient referred for treatment outside Palestine	10,375	6,464	9,034

Non Communicable Diseases:

Indicator	Palestine
Reported Cancer incidence rate (per 100,000 pop)	117.7
Reported Diabetes Mellitus incidence rate (per 100,000 pop)	210.7
% of Reported Cardiovascular deaths from the all deaths	31.5%
% of Reported Cancer deaths from the all deaths	15.4%
% of Reported Cerebrovascular deaths from the all deaths	13.0%
% of Reported Diabetes Mellitus deaths from the all deaths	7.5%
% of Reported Chronic Obstructive Pulmonary Disease deaths from the all deaths	1.2%
% of Reported Bronchial Asthma deaths from the all deaths	0.3%

Other Mortality:

Indicator	Palestine
Reported RTA deaths incidence rate (per 100,000 pop) GS 2.9 & WB 4.3	3.7
% of Reported deaths due the Injury from the all deaths	4.0%
% of Reported Renal Failure deaths from the all deaths	2.9%
% of Reported Congenital Malformation deaths from the all deaths	3.5%

MOH Laboratories:

Indicator	West Bank, Palestine
The direct cost per test in MOH hospitals (NIS)	3.2
The direct cost per test in MOH PHC (NIS)	2.4
Lab tests per Person in the population.	3.3
Total transfused blood units	71,295
Transfused blood and blood components units per 100 person\ year	2.4
Total number of blood donors	37,685
Number of MOH hospital lab tests*	6,775,957
Number of MOH PHC lab tests	2,993,877

*Including Blood Bank and not including Histopathology tests

Communicable Diseases:

Diseases	Gaza Strip IR/ 100,000	West Bank IR/ 100,000	Palestine IR/ 100,000
Acute Flaccid Paralysis (children under 15 years of age)	2.0	2.7	2.4
Poliomyelitis	0	0	0
AIDS	0.10	0	0.04
HIV Infection	0.05	0.04	0.04
Cholera	0	0	0
Diphtheria	0	0	0
Measles	0	0	0
Meningococcal Meningitis	2.4	0.04	1.1
Hemophilus Influenza Meningitis	0	0	0
Other Bacterial Meningitis	10.7	4.4	7.1
Viral Meningitis	25.4	15.3	19.6
Plague	0	0	0
Hemorrhagic Fever	0	0	0
Rabies	0	0	0
Neonatal Tetanus	0	0	0
Tetanus Adult	0	0	0
Yellow Fever	0	0	0
West Nile Fever	0	0	0
Influenza H1N1	0.2	13.1	7.7
Brucellosis	0.47	26.2	15.3
Hepatitis A	26.3	7.9	15.7
Hepatitis B Case	0.21	1.02	0.68
Hepatitis B Carrier	11.7	21.0	17.1
Hepatitis C Case	0.21	0.08	0.13
Hepatitis C Carrier	2.1	4.4	3.4
Leprosy	0	0	0
Cutaneous leishmaniasis	0	7.5	4.4
Visceral (Kalaazar) Leishmaniasis	0	0.27	0.15
Malaria	0	0	0
Rubella	0	0	0
Pulmonary Tuberculosis	0.57	0.27	0.39
Extra pulmonary Tuberculosis	0.41	0.15	0.26
Typhoid & Paratyphoid	0.16	0.04	0.09
Other Salmonella	0	0.30	0.18

Executive Summary

This annual health statistics report, Palestine 2018, is developed by the Palestinian Health Information Center (PHIC). Through this report, we provide interested parties, specialists and researchers with health statistics and indicators at the national level, despite all the obstacles that we face in our work to obtain health data from various sources throughout Palestine.

Palestinian Health Information Center (PHIC)

Palestinian Health Information Center (PHIC) is responsible for preparing the health information and providing health indicators on the Palestinian health situation.

The mission of the Palestinian Health Information Center is to build a national health information system that utilizes the latest technology in data collection, archiving, analyzing, dissemination and distribution to make it available for use by healthcare providers, institutions, students, researchers and parties interested in health issues.

Annual Health Report, Palestine 2018

This report has three sections: Section one on the demographic situation in Palestine, Section two on the Palestinian health system and Section three on health trends in Palestine.

Section one: Demographic Trends

Population

Estimated number of Palestinian population in Palestine according to PCBS in 2018 was 4,854,013 including 441,585 inhabitants of Jerusalem, the eternal capital of the State of Palestine.

The population distribution shows that 60.2% live in the northern governorates (West Bank) and 39.8% in the southern governorates (Gaza Strip).

Population distribution by sex shows that 50.9% of the population is male and 49.1% is female.

Distribution of Population by Age Groups

Palestinian society remains a young society. In 2018, in Palestine, the percentage of children under five years of age is 13.8% of the total of population. The percentage of children in the 0-14 age group is 38.7%, while the percentage of the population aged 65 years and above is 3.3%.

Total Fertility Rate

According to Palestinian Central Bureau of Statistics (PCBS), the total fertility rate among women of childbearing age 15-49 years in 2018 was 4.1 births per woman in Palestine, 4.5 in Gaza Strip and 3.7 in West Bank.

Crude Birth and Death Rate

According to the data of Palestinian Health Information Center (PHIC), the reported crude birth rate in 2018 was 28.9 per 1000 of population; 28.2 per 1000 of population in West Bank and 29.8 per 1000 of population in Gaza Strip.

The reported crude death rate in the same year was 2.6 per 1000 of population; 2.8 per 1000 of population in West Bank and 2.3 per 1000 of population in Gaza Strip.

Births

In 2018, the number of reported births in Palestine was 132,105 of which 74,411 were born in West Bank, as 56.3% of all births and 57,694 in Gaza Strip, which 43.7% of all reported births in 2018.

Data on births reported that 99.9% of births occurred at qualified health facilities in Palestine by specialized and / or trained medical personnel. The percentage of home births in Palestine in 2018 was only 0.1% of the total number of births in Palestine.

52.7% of births in Palestine in 2018 were carried out in MoH hospitals.

Deaths

In 2018, the number of reported deaths in Palestine was 12,098, with 7,148 deaths occurred in West Bank, accounting for 59.1% of the reported deaths in Palestine while in Gaza Strip 4,950 deaths occurred, accounting for 40.9% of the reported in Palestine.

Cardiovascular disease was the main leading cause of deaths in Palestine, reported at 31.5% of total deaths in 2018, followed by cancer reported at 15.4%, while stroke was the third leading cause of death reported at 13.0% from the total deaths. The forth cause of death was, the Conditions in the Perinatal Period with 9.5% and the fifth cause was complications of diabetes with 7.5% from the all deaths.

It is important to note that, the four causes of chronic Non communicable diseases including cardiovascular disease, cancer, stroke and diabetes accounted for 67.4% of all reported deaths in 2018.

Section Two: Palestinian Health System

Primary Health Care

Since the Ministry of Health assumed its responsibilities at the end of 1994, the Ministry has emphasized the importance of implementing the principles of primary health care (PHC). Primary health care is provided by various health service providers including the Ministry of Health, non-governmental organizations, the United Nations Relief and Works Agency for Palestine Refugees (UNRWA) and military medical services. The centers of the Ministry of Health constitute 63.9% of the total centers working in the field of primary health care in Palestine.

The number of PHC centers expanded from 454 in 1994 to 732 in 2018, with an increase of 61.2% since 1994.

In the year 2018, the total number of visits to PHC physicians in West Bank was 2,395,279, out of the total, 2,005,354 visits were for general clinics.

While the number of visits to PHC nurses were 2,395,513.

Family Planning Program

Family planning program is an important aspect of service provision at by the Ministry of Health.

In 2018, there were 305 MoH centers providing family planning services in West Bank, and the number of new beneficiaries registered in those clinics was 22,898 beneficiaries. The contraceptive pills used by Palestinian women during 2018 accounted for 60.7% of the total means used, while condoms ranked second reaching 18.9%, followed by the IUDs 17.9 %, for injections 2.3%, and 0.13% for suppositories use.

Dental Health

In 2018, the total number of PHC facilities that provided dental services in West Bank was 38.

A total of 45,071 visits were recorded in the MoH dental clinics in the West Bank include the pregnant women visits to the dental clinics.

Laboratories and Blood Banks

Ministry of Health has 265 laboratories in Palestine.

Table (1) Distribution of Number of MoH laboratories by Region, Palestine 2018

Region	PHC	*Hospital	Central Lab	Total
West Bank	198	14	1	213
Gaza Strip	37	13	2	52
Palestine	235	27	3	265

*Including Histopathological Labs.

During 2018, the laboratories of MoH in West Bank completed 9,793,930 laboratory tests, including pathological examinations.

The number of staff working MoH laboratories and blood banks in Palestine was 1,126 technicians, administrative and specialists. distributed by work place 626 in West Bank and 500 in Gaza Strip.

The total number of blood donors in MoH in West Bank was 37,685, of which 46.9 % were voluntary donors, and 47.3% were relatives or acquaintances, and 5.8% were therapeutic purposes. 71,295 units of blood were donated to patients in West Bank.

All donated blood units are subjected to laboratory tests for hepatitis B and C viruses, and HIV.

Secondary Health Care (Hospitals)

Ministry of Health is considered the main provider of secondary health care services (hospitals) in Palestine. Where it owns and operates 3,462 beds in 27 hospitals in all governorates from 82 hospitals working in Palestine with 6,440 beds. 52 of the total hospitals are in West Bank including East Jerusalem with a total bed capacity of 3,897 beds which 60.5% from the total beds in Palestine, while the rest are in Gaza Strip.

In Palestine, Non-Governmental Organizations have 35 hospitals with a capacity of 2,141 beds and the private sector has 17 hospitals with a capacity of 631 beds.

UNRWA has one hospital in Qalqiliya with the capacity of 63 beds.

Military medical services have two hospitals in Gaza Strip with capacity of 143 beds.

The hospital beds of Ministry of Health cover almost all specialties, including general surgery services and subspecialties, internal medicine, pediatrics, psychiatric and other specialties.

Rehabilitation and physiotherapy services are offered by non-governmental organizations.

MoH hospitals also provide services to patients through outpatient clinics, emergency departments and haemodialysis units. There are 11 kidney dialysis units in hospitals of the Ministry of Health in West Bank, in addition to one unit in An-Najah National University hospital in Nablus and five units in Gaza Strip, with a total of 365 machines. In 2018, a total of 277,102 haemodialysis sessions took place in Palestine.

Diagnostic radiological and laboratory services are provided in MoH hospitals, with a total of 1,418,216 Medical graphics conducted in MoH hospitals in Palestine in 2018.

Manpower

Since the establishment of the Palestinian National Authority, the Ministry of Health is striving to increase the number of health and medical personnel in the Palestinian community to meet the growing health needs of the Palestinian society.

Table (2) Distribution of Number of MoH Employees, 2018 Compared to 1995

Years	* Physicians	** Nursing	Paramedical	Administrators	Total
1995	963	1,634	804	1,357	4,758
2018	2,525	4,362	1,950	5,113	13,950

* Includes physicians (general and specialists) and dentists.

** Includes nursing and midwifery

Health Expenditure

According to the data of the General Department of Finance in the Ministry of Health, the current budget of MoH for the year 2018 was NIS 1,767,295,225. Salaries were 48% of the total budget.

The balance of arrears (for revolving debt from 2017 and earlier) was NIS 839,538,906. Purchase of service from outside the MoH facilities were 56% of the total expenditure.

Section Three: Trends in Health Status

Infectious Diseases

In recent years, Ministry of Health has achieved remarkable successes in controlling several infectious diseases. No cases of leprosy or diphtheria have occurred in Palestine since 1982. No cases of polio have been reported since 1988. No cases of rabies or cholera have been reported despite the presence of these diseases in neighboring countries.

Non-communicable diseases

Epidemiological changes affect morbidity trends as well as mortality trends in Palestine, when infectious diseases are controlled and reduced, chronic diseases are on the rise as a major cause of morbidity and mortality. The increase in chronic diseases is associated with changes in lifestyle, behavior, physical inactivity and poor eating habits. This also contributes to increased rates of cancer, cardiovascular disease, diabetes and mental disorders.

Section One

Demographic Situation in Palestine 2018

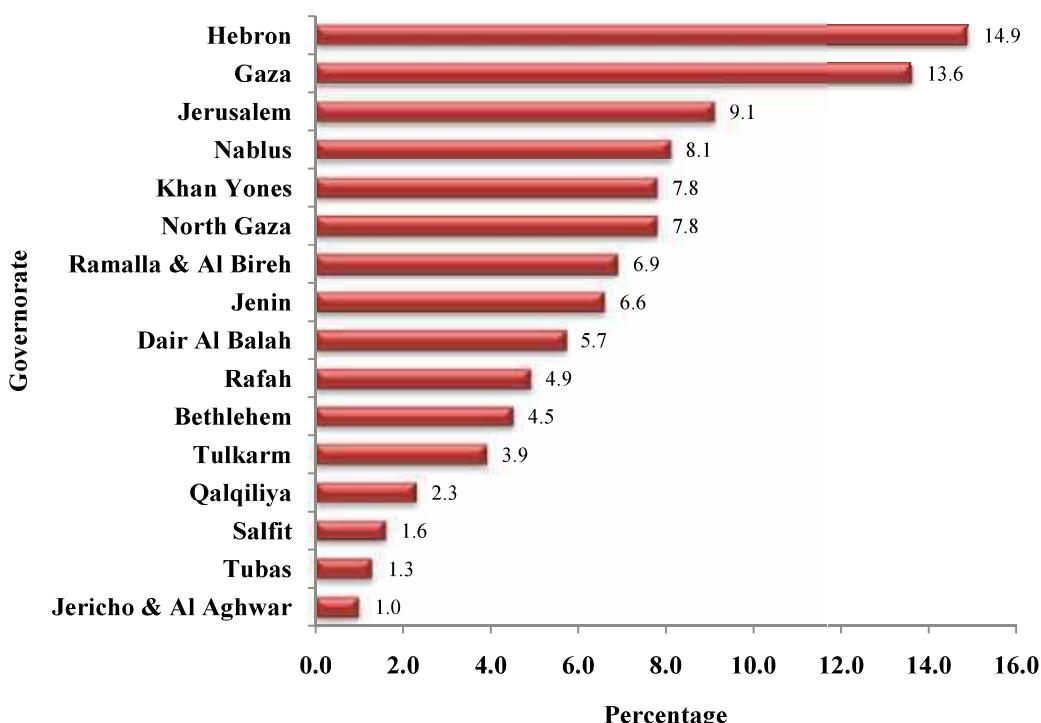
1. Population and Demography

1.1 Palestinian Population in Palestine

In 2018, according to the Palestinian Central Bureau of Statistics (PCBS) Estimated, the population of Palestine was 4,854,013, of whom 2.46 million were males compared to 2.38 million females, while West Bank had 2.92 million inhabitants, 60.2% of the total population of Palestine of which about 1.48 million were males Compared to 1.43 million females, while the population of Gaza Strip was 1.93 million, 39.8% of the total population of Palestine, of which about 979 thousand were males compared to 953 thousand were females.

Hebron governorate is the largest governorate in West Bank in terms of population. The percentage of the population was 14.9% of the total population in State of Palestine, followed by Gaza governorate with 13.6%, followed by Jerusalem governorate by 9.1%, while Jericho and Al Aghwar are less Palestinian governorates in terms of population and recorded 1.0% of the total population in State of Palestine.

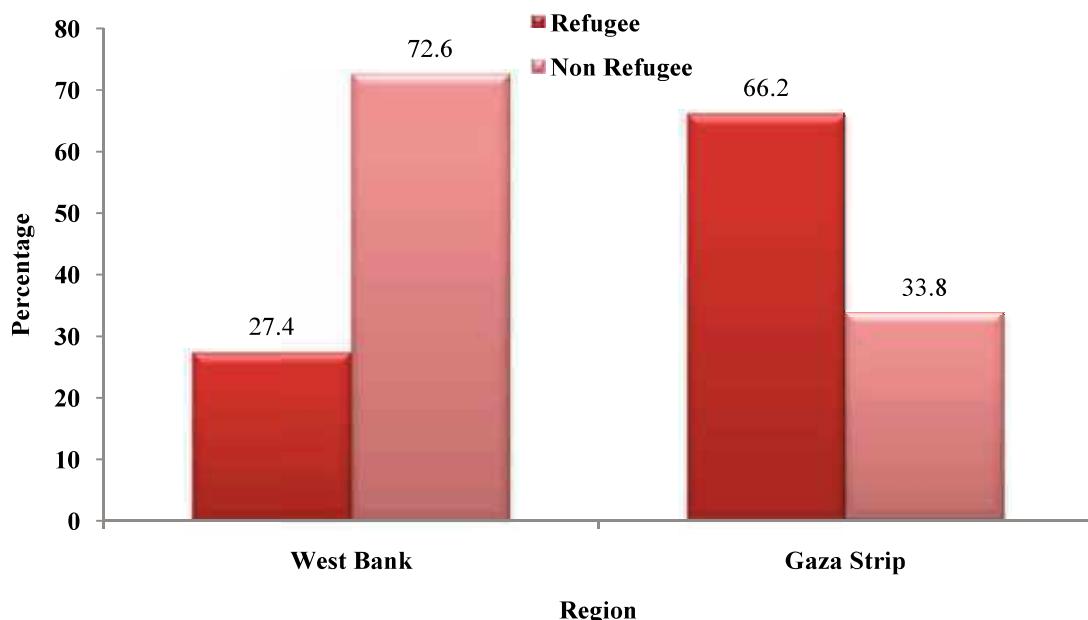
Graph (1) Proportional Distribution of Population by Governorate, Palestine 2018



1.2 Palestinian Refugee in State of Palestine 2018

42.2% of the population in State of Palestine was refugees, in West Bank 27.4% of the total population in West Bank and 66.2% of the total population in Gaza Strip.

Graph (2) Proportional Distribution of Palestinian Population by the Refuge Situation, Palestine 2018



1.3 Age Structure

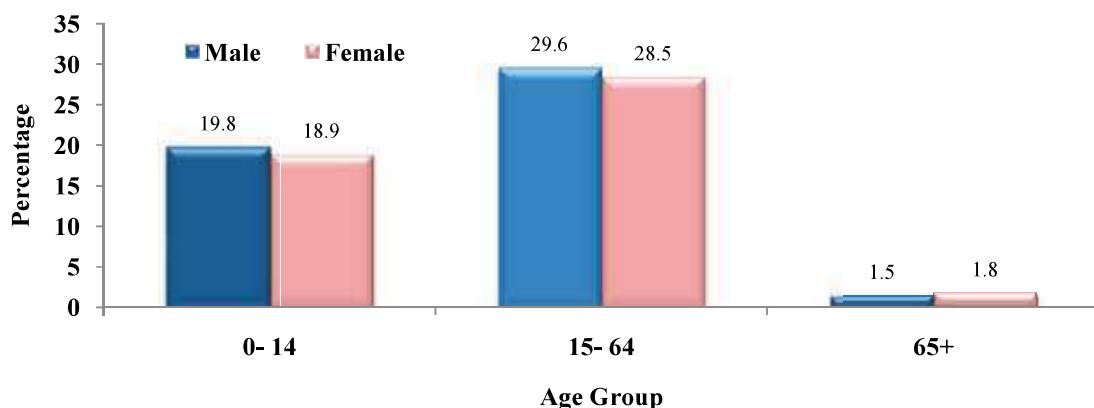
The population pyramid in 2018 shows that the Palestinian society is a young society. The population of the age under 15 years was 38.7% of the total population in Palestine, 36.7% in West Bank and 41.6% in Gaza Strip.

The individuals of aged 65 years and above were 3.3%, with a difference between West Bank and Gaza Strip, 3.6% in West Bank and 2.8% in Gaza Strip.

Table (3) Distribution of Population by Age Group & Sex, Palestine 2018

Age Group (Years)	Males		Females		Total	
	No.	%	No.	%	No.	%
0 - 14	961,539	19.8	915,515	18.9	1,877,054	38.7
15 - 64	1,435,599	29.6	1,383,304	28.5	2,818,903	58.1
65+	72,024	1.5	86,032	1.8	158,056	3.3
Total	2,469,162	50.9	2,384,851	49.1	4,854,013	100

Graph (3) Proportional Distribution of Population by Age Group & Sex, Palestine 2018



1.4 Population Natural Growth Rate

In 2018, the rate of population natural increase in Palestine was 2.5% . 2.2% in west bank and 2.9% in Gaza Strip. Noted that the low level of mortality and high fertility rates maintain the high rate of natural population growth.

1.5 Ratio of Males to Females

The number of males in 2018 in Palestine was about 2.46 million of males compared to 2.38 million females, with a sex ratio of 103.5 males per 100 of females. In West Bank the sex ratio was 104.0 of males per 100 females and in Gaza Strip were 102.8 of males per 100 females.

1.6 Percentage of Females of Reproductive Age (15-49) Years

The number of females of reproductive age (15 - 49 years) was 1,196,693 which 24.7% of the total population in 2018, in West Bank 730,408 which 25.0% of the total population in West Bank and 466,285 in Gaza Strip which 24.1% of the total population in Gaza Strip.

1.7 Total Fertility Rate

According to the Palestinian Central Bureau of Statistics (PCBS), the total fertility rate in Palestine is 4.1 births, 4.5 in Gaza Strip and 3.7 in West Bank.

1.8 Life Expectancy

As a result of the improvement in the health conditions in Palestine and the gradual decline in infant, child mortality rates and maternal mortality, life expectancy has increased. The life expectancy rate in 2018 was 73.9 years, 72.8 years for males and 75.1 years for females, with a difference between West Bank and Gaza Strip. In West Bank, it was 74.2 years; 73.1 years for males and 75.4 years for females.

In Gaza Strip, life expectancy rate was 73.5 years; 72.4 years for males and 74.6 years for females.

1.9 Reported Live Births 2017

1.9.1 Reported Live Births by Region:

The number of reported births in 2018 in Palestine was 132,105, of which 74,411 were born in West Bank, 56.3% of the reported births, while 57,694 were born in Gaza Strip; 43.7% of the reported births.

1.9.2 Reported Live Births by Sex

In 2018, the number of reported live male births was 68,274, 51.7% of total reported of live births, while the number of female births was 63,805, or 48.3%. In West Bank there were 38,683 reported male births, the number of reported female births was 35,728, representing 48.0% of total reported births. In Gaza Strip, 29,591 live births were reported, or 51.3% were born in Gaza Strip, while the number of female births was 28,103; 48.7% of the total number of births in Gaza Strip.

1.9.3 Reported Live Births by Place of Birth

The percentage of reported live births in 2018 and those born in health facilities (hospitals and birth centers) was 99.9%.

The percentage of reported live births at homes was only 0.1% of total reported live births in Palestine in 2018.

1.9.4 Crude birth rate in Palestine

In 2018, the reported crude birth rate in Palestine was 28.9 births per 1000 population. In West Bank, 28.2 births per 1000 population were recorded and 29.8 births per 1000 population in Gaza Strip.

1.9.5 Reported Birth Weights 2018

The percentage of newborns weighing less than 2,500 g in Palestine was 6.3% of total newborns.

Section Two

Health System in Palestine

2. Health System in Palestine

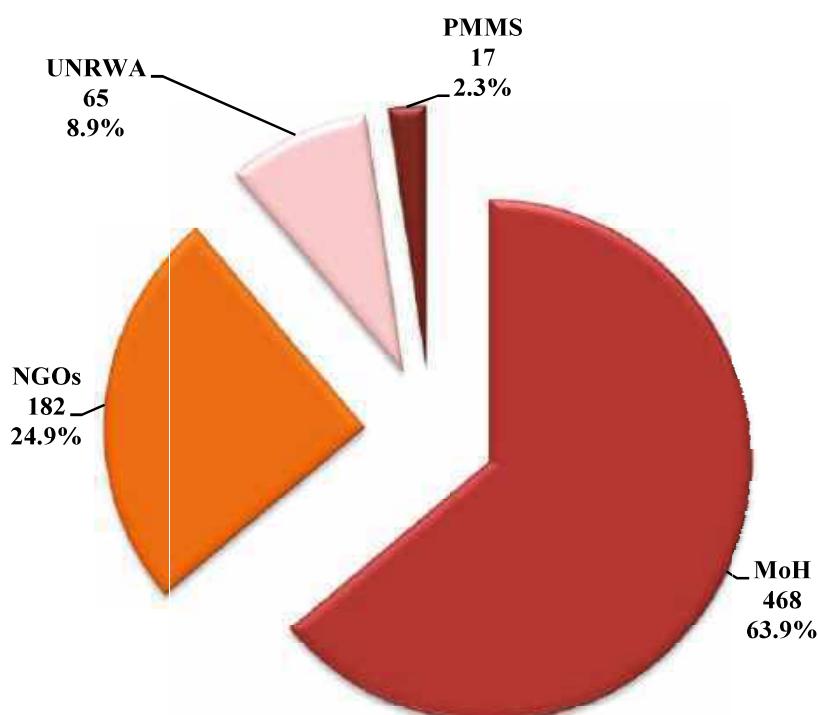
2.1. Primary Health Care in Palestine

2.1.1 Primary Health care centers in Palestine by Health Provider Sector

The number of PHC centers in Palestine reached to 732 in 2018, of which 585 are in West Bank and 147 in Gaza Strip.

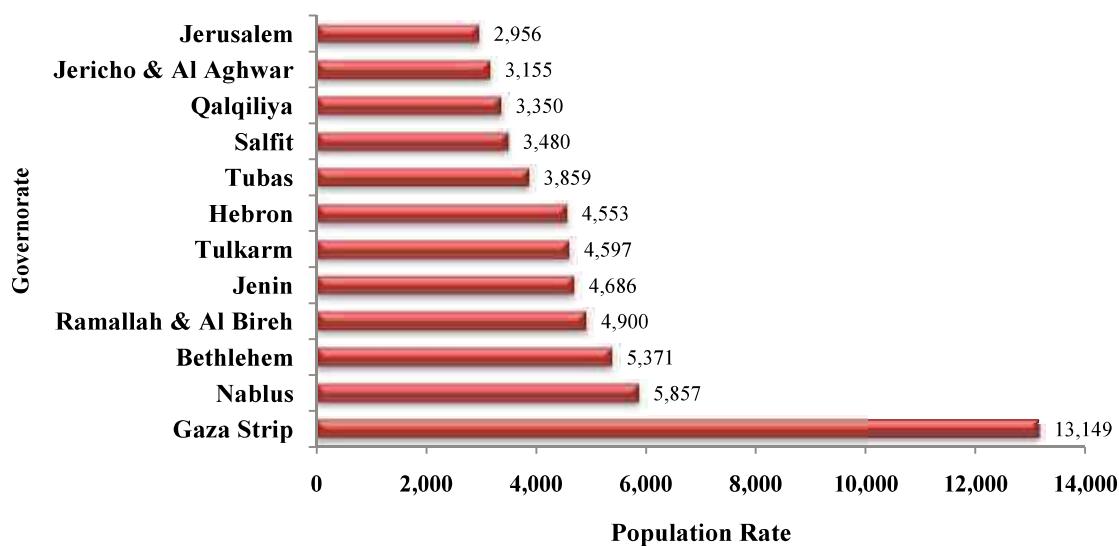
468 primary health care centers belong to the Palestinian MoH, which constitutes 63.9% of the total number of primary health care centers. The number of primary healthcare centers managed by NGOs reached 182, constituting 24.9% of all Primary health care facilitates, while the number of UNRWA centers reached 65, and the military medical centers reached to 17 centers.

Graph (4) Distribution of PHC Centers by Health Care Provider Sector, Palestine 2018



Population rate per health center in Palestine was 6,242 person per health center, it was 4,506 person per health center in West Bank and 13,149 person per health center in Gaza Strip.

Graph (5) Distribution of Population Rates per PHC Center by Governorate, Palestine 2018

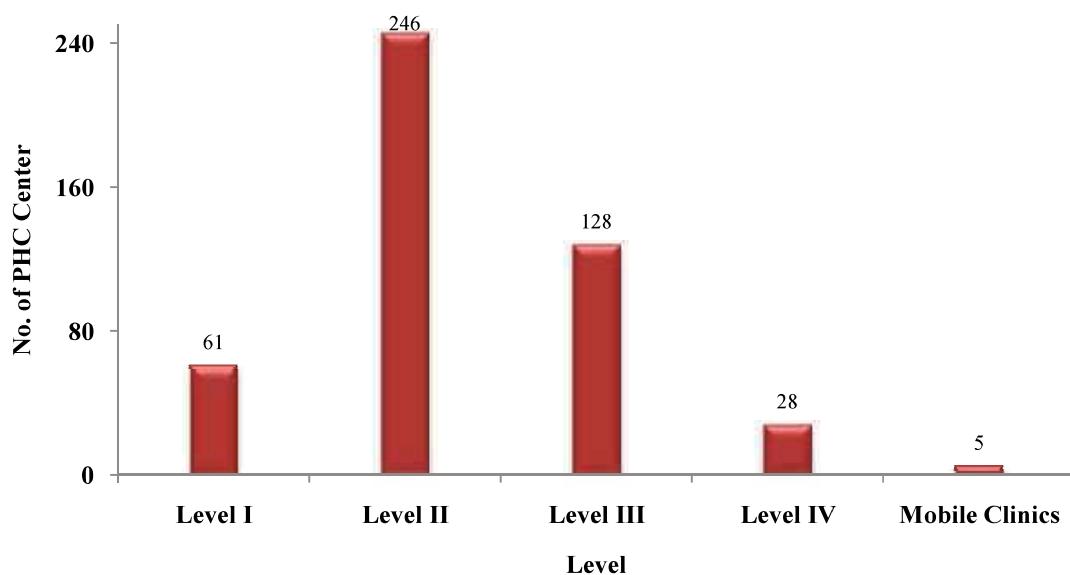


2.1.2 PHC Centers by Level

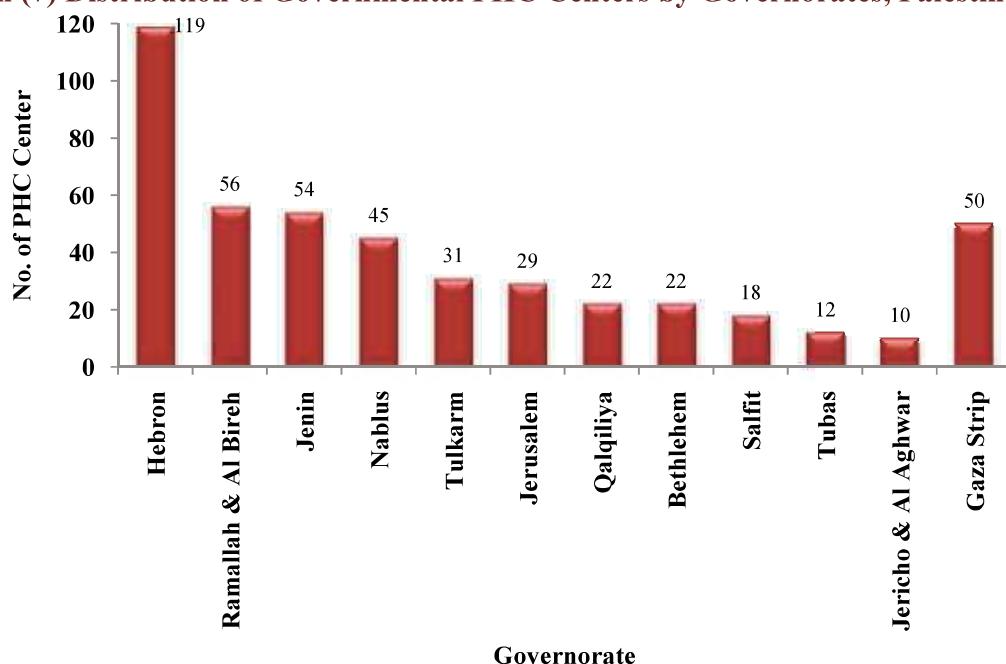
The number of PHC centers of MOH in Palestine increased from 203 in 1994 to 468 in 2018, with variation rate of 130.5%.

The MOH classifies PHC centers into four levels of which 61 clinics are level one, constituting 13% of the total centers of MOH and 246 clinics are level two, accounting for 52.6% of the total clinics, 128 clinics were classified as level three 24.4% of the total centers and 28 clinics are level four; 6% of the total centers. In addition, four PHC mobile clinics provided health services in Tubas, Jerusalem, Bethlehem and Yatta. These four mobile clinics constitute 1.1% of the total clinics.

Graph (6) Distribution of Number of PHC Centers by Level of Services, Palestine 2018



Graph (7) Distribution of Governmental PHC Centers by Governorates, Palestine 2018



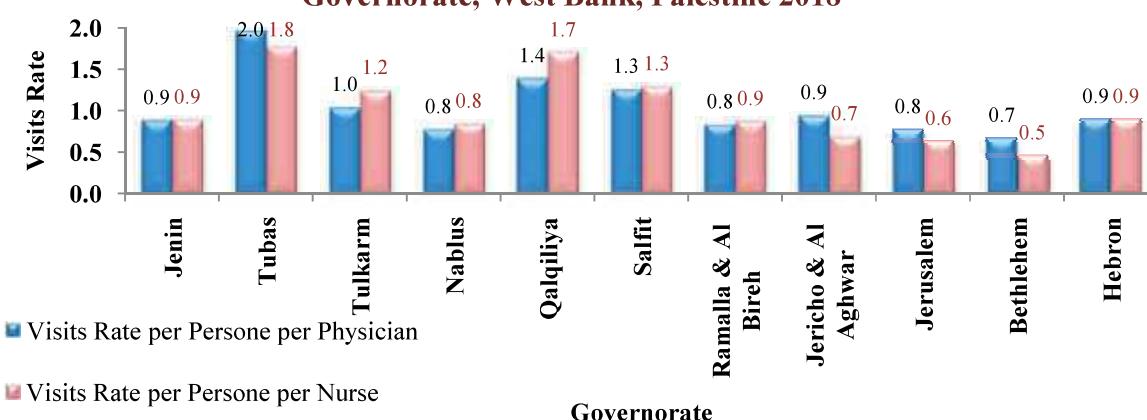
PHC centers in MoH, offer a range of health services, 305 centers provide family planning services, 258 provide specialized services, 38 provide oral and dental health services, and 198 provide laboratory services. The high risk pregnancy service is available in 76 clinics, while mammography is provided at 12 clinics and X-ray service in 17 centers in MoH in West Bank.

2.1.3 PHC Services

In 2018, there were 2,395,279 visits seen by doctors. The average number of patient's visits per doctor's visits per year was 0.9 visits. Tubas governorate recorded the highest number of patients' visits per doctor's visit averaging at 2 patient visits per doctor visit per year. Bethlehem recorded the lowest, which were 0.7 visits per person.

The total number of visits seen by nurses was 2,395,513. The average number of patients' visits per nurse per year for was 0.9. Tubas are corded the highest number of patients visits to nurses, which were 1.8 visits. Bethlehem were recorded the lowest number of visits which was 0.5 patient's visits per nurse.

Graph (8) Distribution of Visits Rate to Physician & Nurses in MoH PHC Centers per Governorate, West Bank, Palestine 2018

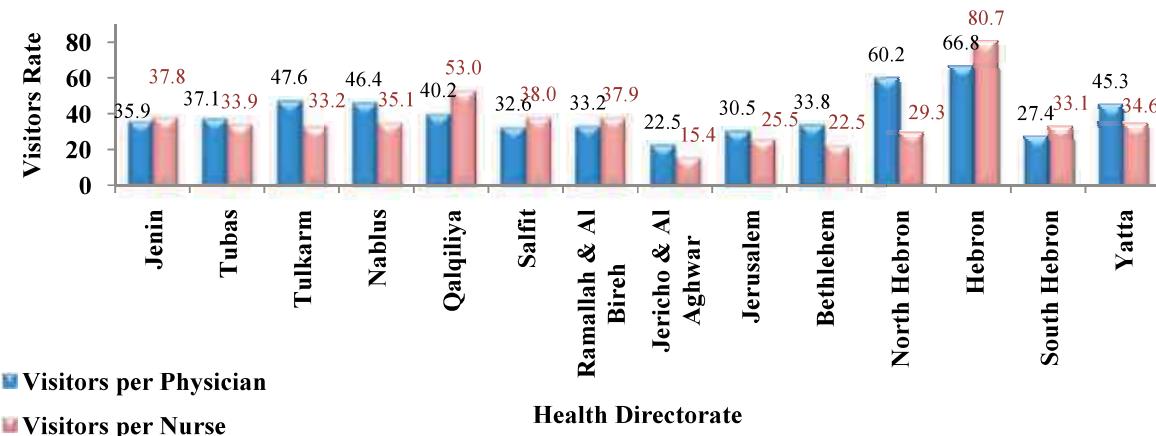


2.1.4 Visitors to General Clinics in MoH PHC Centers

In 2018 was registered 2,005,354 visits was in all PHC clinics to physicians in West Bank through 51,494 physicians visits to clinics. The rate of visitors to physicians in each visit was 38.9 visitors. The highest rate of visits was recorded by Hebron Health Directorate, with 66.8 visitors per physician. Jericho and Al Aghwar were the lowest rate, at 22.5 visitors per physician visit.

While 2,050,577 visits was registered to nurses during the same period through 56,184 nursing visits, with a rate of 36.5 visitors per nursing visit. Hebron Directorate recorded the highest rate of follow up nursing visits per visit, reaching 80.7 follow up visitors per visit, while the lowest in Jericho and Al Aghwar was 15.4 visitors per every nursing visit.

Graph (9) Distribution of Visitors Rate per Physician in PHC General Clinics by Health Directorate, West Bank, Palestine 2018

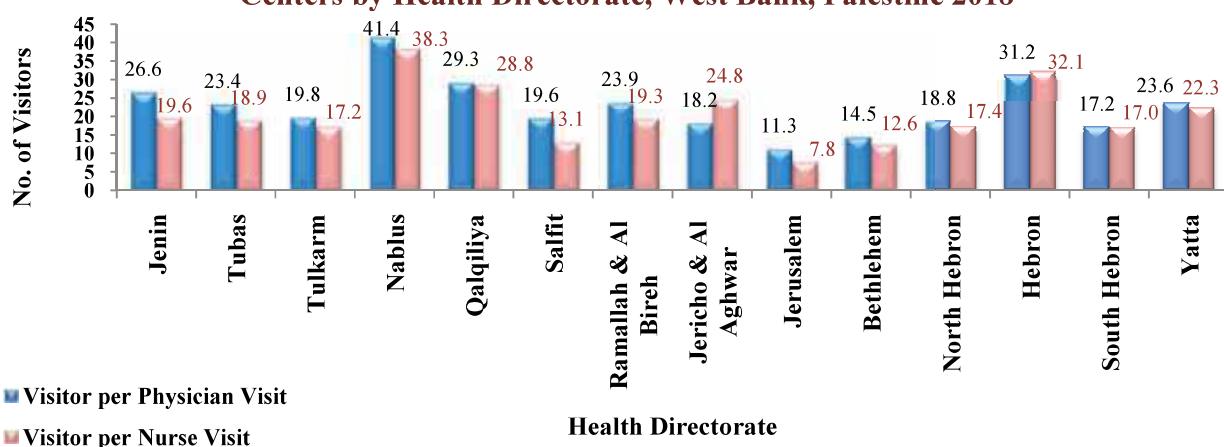


2.1.5 Specialized Clinics Visitors in MoH PHC Centers

- Patients Visits in West Bank

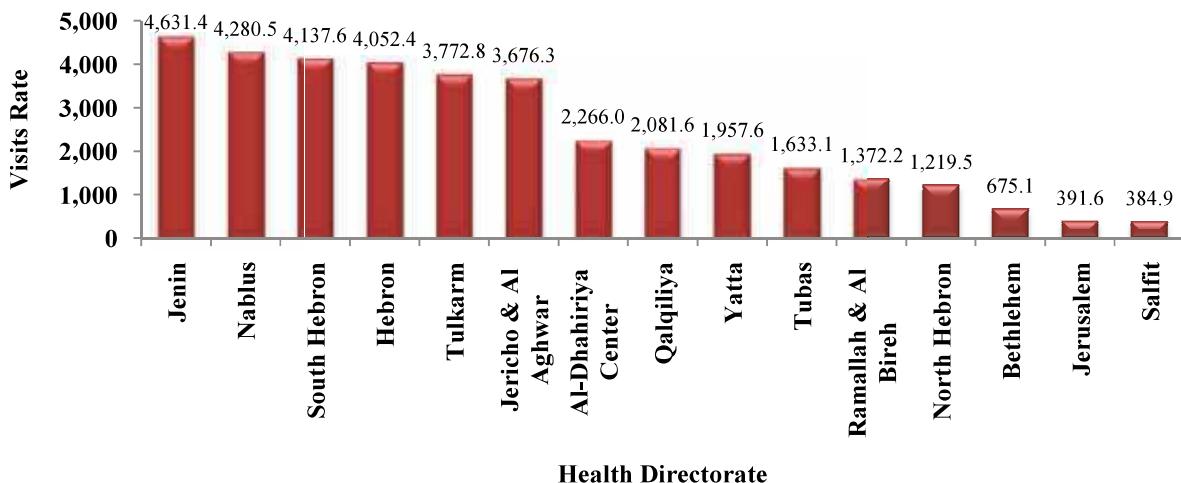
In 2018, the total number of patient visits to specialized clinics in MoH PHC centers reached 389,925 visits to different specialties offered, which provided services through 258 PHC facilities offering specialized treatment services in MoH PHC centers in West Bank. 17,169 physician visits were recorded with rate of 22.7 visitors per specialist visit to the clinic, while 344,936 visits registered to nurse services during the same period with a total of 16,967 nurse visits and a rate of 20.3 visitors per one nursing visit.

Graph (10) Distribution of Visitors per Physician & Nurses in Specialized MoH PHC Centers by Health Directorate, West Bank, Palestine 2018



PHC provides a variety of specialized medical services. During 2018, specialized services were provided through Dermatology clinics, Paediatrics, Diabetic, Psychiatry, Risk pregnancy, Pulmonology, Gynecology, Orthopedic, ENT, Communicable and Non-Communicable disease, and Endocrinology.

Graph (11) Distribution of Visits Rates to each MoH PHC Specialized Clinics per Health Directorate, West Bank, Palestine 2018



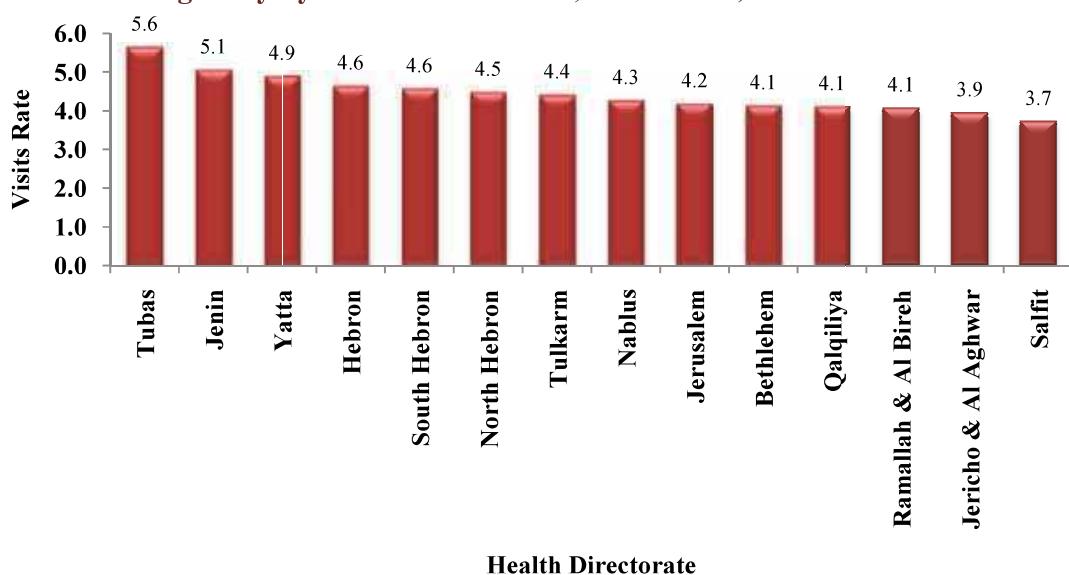
2.2 Mother and Child Health (MCH)

2.2.1 Maternity Care (Prenatal and Postpartum)

1. Care for Pregnant Women

In 2018, the total number of pregnant visits to PHC centers was 155,603. The total number of pregnant women registered (first visit) in the MOH PHC centers was 34,605, with coverage of 46.5% of pregnant women; the average visit rate for pregnant women to the centers during pregnancy was 4.5 visits.

Graph (12) Distribution of Pregnant Women Visits Rates to PHC Centers during Pregnancy by Health Directorate, West Bank, Palestine 2018



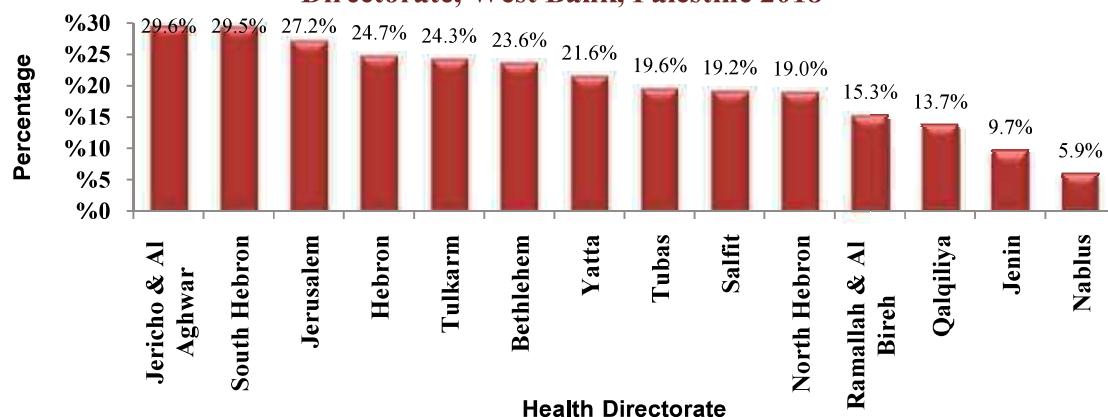
2. High Risk Pregnancy (HRP)

In 2018, 6,028 pregnant women were referred to high risk pregnancy clinics which constituted 17.4% of total pregnant women registered in different MoH MCH clinics, while total visits to high risk pregnancy centers amounted to 32,249 during the same period.

Jericho & Al Aghwar Governorates recorded the highest rate of referral to HRP clinics, which reached 29.6% of the total number of registered pregnant women.

While Nablus Governorates recorded the lowest rate of referral to HRP clinics, which amounted to 5.9% of all pregnant women registered.

Graph (13) Proportional Distribution of Pregnant Women referred to High Risk Pregnancy Clinics from the Total Registered in PHC Pregnant Women by Health Directorate, West Bank, Palestine 2018

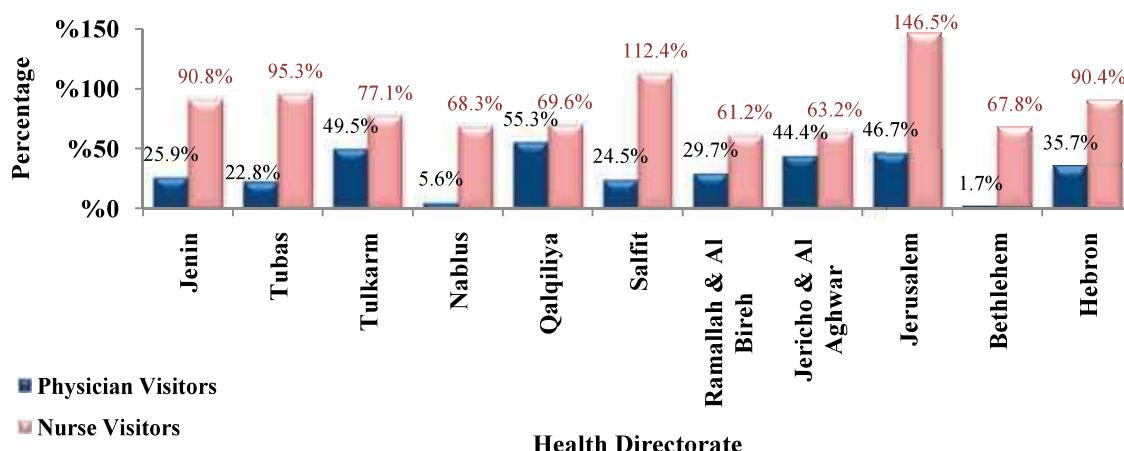


In 2018, the most common causes of referral to high risk pregnancy centers were the existence; which is related to the current pregnancy is Coagulation, vitro fertilization (IVF) and Multi-fetal Pregnancy, where it reached 32.5%, 8.8% and 8.6% respectively of the total causes of the current pregnancy, while the most reasons of referral related to the previous pregnancy were previous caesarean section and consecutive abortions, which recorded 34.8% and 30.5%, respectively, of the total causes of the previous pregnancy.

3. Postnatal Care

The total number of visits by mothers to maternal and child centers in 2018 were 20,699 visits per physician at 27.8% of the reported live births and 60,420 visits per nurse at 81.2% of reported live births.

Graph (14) Proportional Distribution of Postnatal Visits from the Total Number of Reported of Newborns in MoH MCH PHC Centers by Governorate, West Bank, Palestine 2018

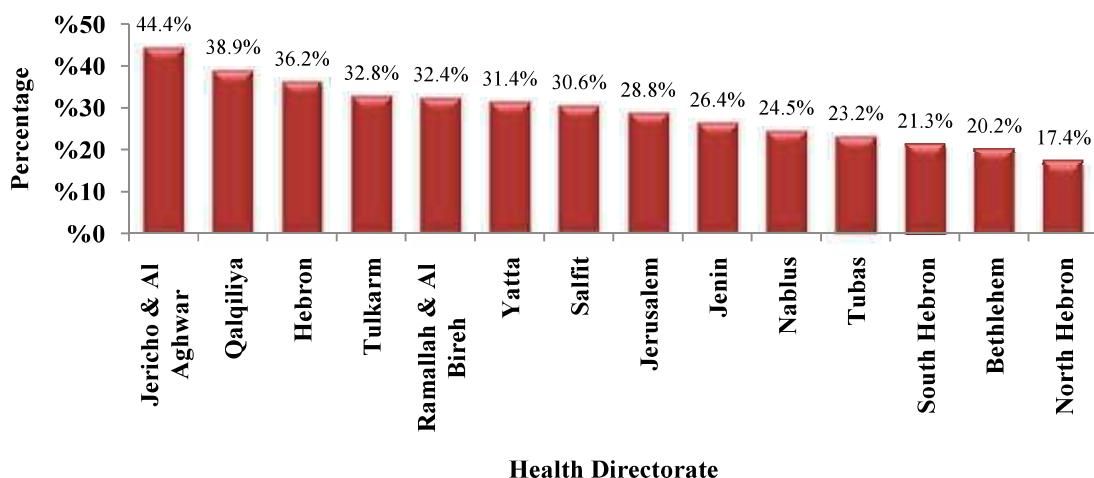


4. Anaemia

Anaemia among Pregnant Women Registered in PHC Centers

2018 records indicate that the percentage of anaemia among registered pregnant women screened at the PHC centers is 27.5%, of which mild anaemia (haemoglobin 9 to 11 gm/ dl) is 95% of anaemia among Pregnant Women, while moderate anemia (haemoglobin 7 to 8.9 gm/ dl.) was 4.8% of anaemia among pregnant women, while those with severe anaemia (haemoglobin less than 7 gm/ dl) were 0.1% of all anaemia among pregnant women registered in PHC centers.

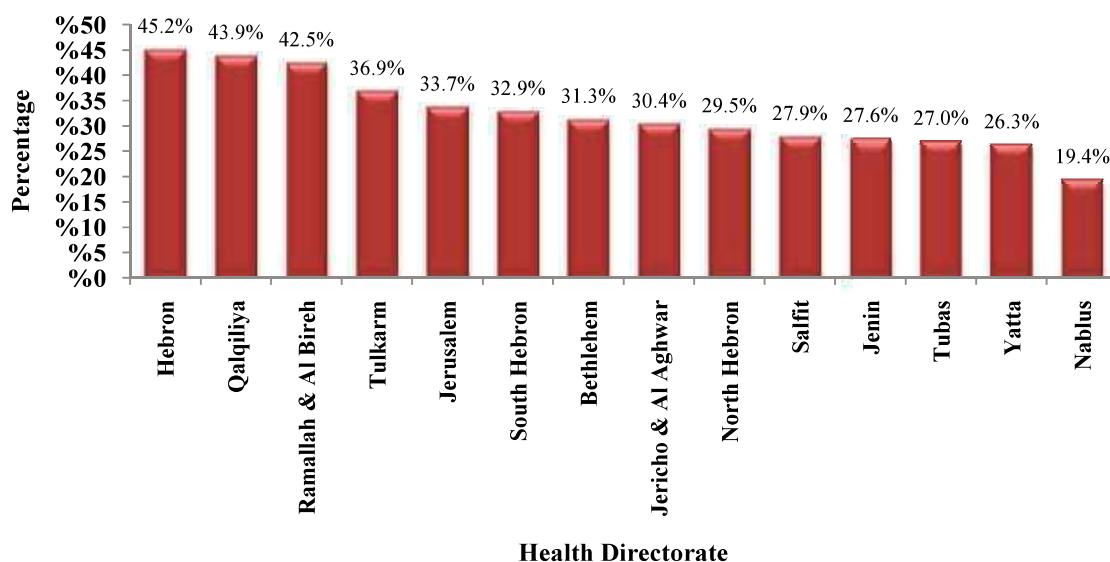
Graph (15) Anaemia among registered pregnant women screened at PHC Centers by Health Directorate, West Bank, Palestine 2018



Anaemia among Pregnant Women Registered in high Risk Pregnancy Clinics in PHC

The percentage of anaemia among registered pregnant women screened at high risk pregnancy centers was 33%, which 94.3 % were with mild anaemia (haemoglobin 9 to 11 gm/ dl) and 5.7% with moderate anaemia (haemoglobin 7 to 8.9 gm/ dl).

Graph (16) Proportional Distribution of Anaemia among registered pregnant women screened at in High Risk Pregnancy Clinics, PHC, MoH, West Bank, Palestine 2018

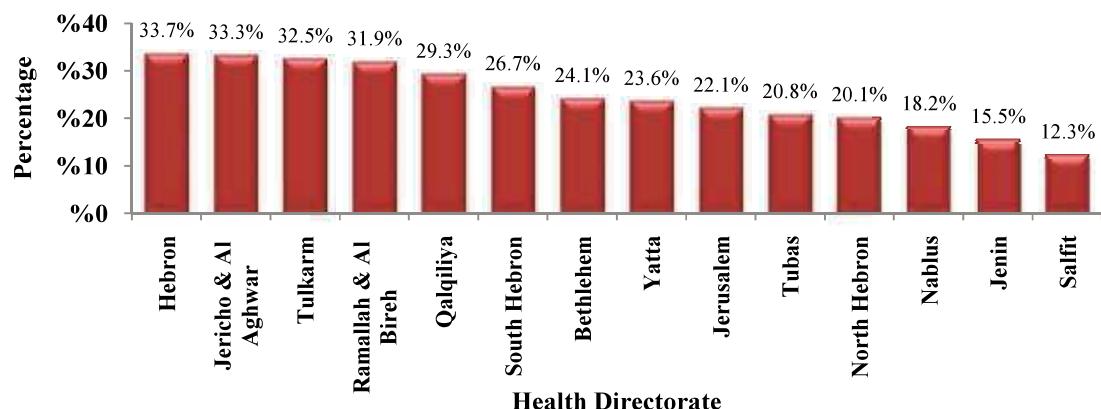


Anaemia among Mothers Registered in PHC Centers (after Delivery)

In 2018, the anaemia registered among the mother in West Bank was 24.8% of the total number of mothers after delivery.

While the percentage of mild anaemia was 91.4% and the moderate anemia cases were 8.3% of all anaemia cases among mothers after delivery.

Graph (17) Proportional Distribution of Anaemia among Mothers Registered in PHC Centers by Health Directorate, West Bank, Palestine 2018

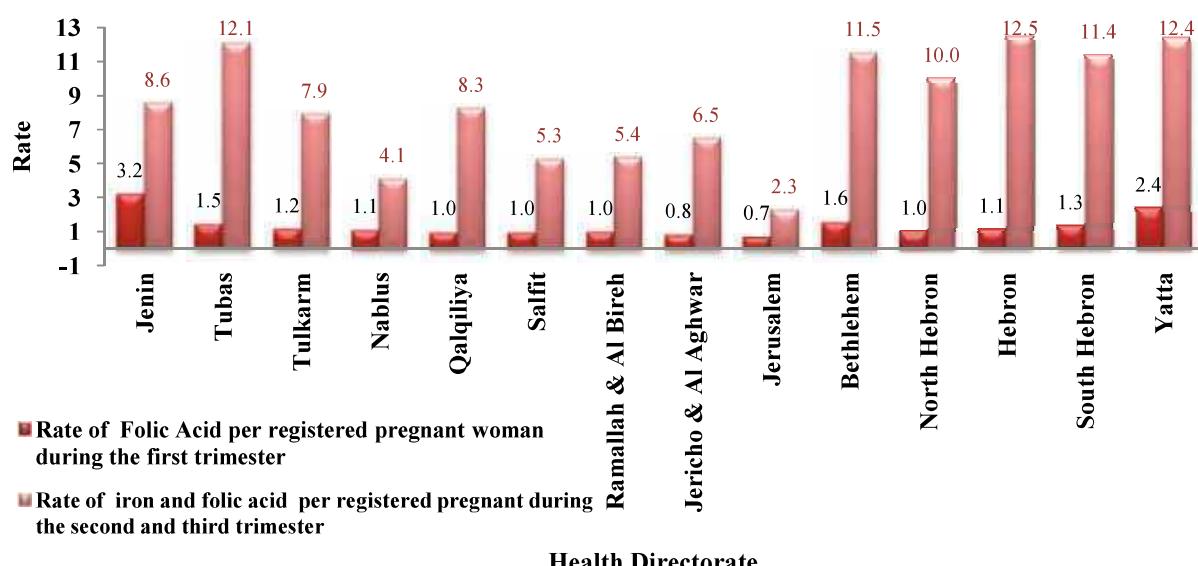


5. Supplements Dispensing

Supplements Dispensing of Pregnant Women Recorded in PHC Centers

The rate of folic acid expenditure was 1.2 units per registered pregnant woman during the first trimester; Jenin governorates are registering the highest rate of dispensing which were 3.2 units per pregnant woman. Jerusalem governorate recorded the lowest rate of exchange and reached 0.7 units per pregnant woman. While iron and folic acid dispensing rate was 7.4 units per registered pregnant woman during the second and third trimester, where Hebron directorate recorded the highest rate of dispensing and amounted to 12.5 units per pregnant, while Jerusalem governorate recorded the lowest rate of dispensing which amounted to 2.3 units per registered pregnant during the second and third trimester.

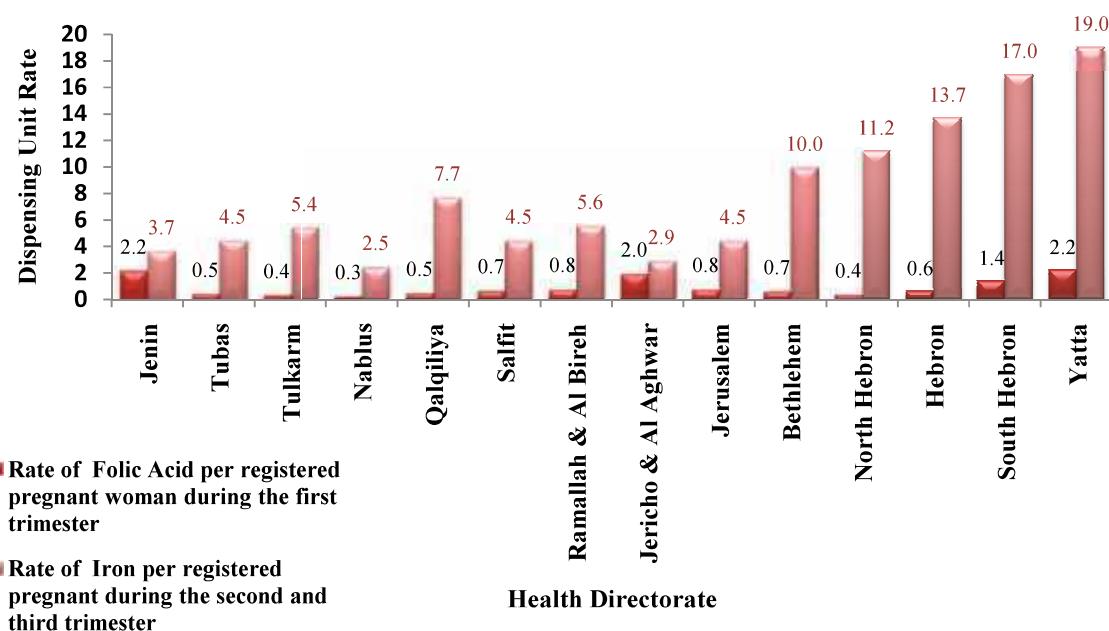
Graph (18) Distribution of Supplements Dispensing Rate (Folic Acid & Iron) for Pregnant Women Registered in MoH PHC by Health Governorate, West Bank, Palestine 2018



Supplements Dispensing of High Risk Pregnant Women

In 2018 the number of registered pregnant women were at high risk pregnancies affiliated to MOH centers are 6,028 pregnant, where folic acid dispensing rate was 0.9 unit drug per registered pregnant woman during the first trimester, where Jenin and Yatta district registered the highest disbursement rate of 2.2 unit per pregnant woman, while Nablus recorded the less rate which is 0.3 unit per pregnant woman, the rate of iron is 7 units per registered pregnant woman. Yatta are recorded the highest rate of units of iron dispensing, where 19 unit dispensed per registered pregnant woman, while Nablus recorded the lowest rate at 2.5 units per registered pregnant woman during the second and third trimester in the risk pregnancy clinic.

Graph (19) Distribution of Supplements Dispensing Rate (Folic Acid & Iron) for High Risk Pregnant Women Registered in MoH PHC by Health Governorate, West Bank, Palestine 2018



6. Family Planning Services

PHC provides family planning services in 3.5 centers in West Bank. The total number of visits to family planning centers during 2018 for the purpose of benefiting from family planning services was 90,813 visits in West Bank.

The number of new registered family planning beneficiaries was 22,898 in Palestine. The highest percentage of use was in the use of Contraceptive pills which is 60.7% of the total. The condoms were the second in consumption reaching 18.9%, while the IUDs recorded 17.9% of the total number of methods obtained by the new beneficiaries.

7. Pap Smear Test

PHC services provided the Pap smear examination in WB governorates through the following laboratories: Jenin Health Directorate Laboratory, Ramallah & Al Bireh Health Administration Laboratory, and Hebron Health Directorate Laboratory. The total numbers of samples were 345 samples, of which 8 were positive.

8. Mammography and Ultrasound Mammography

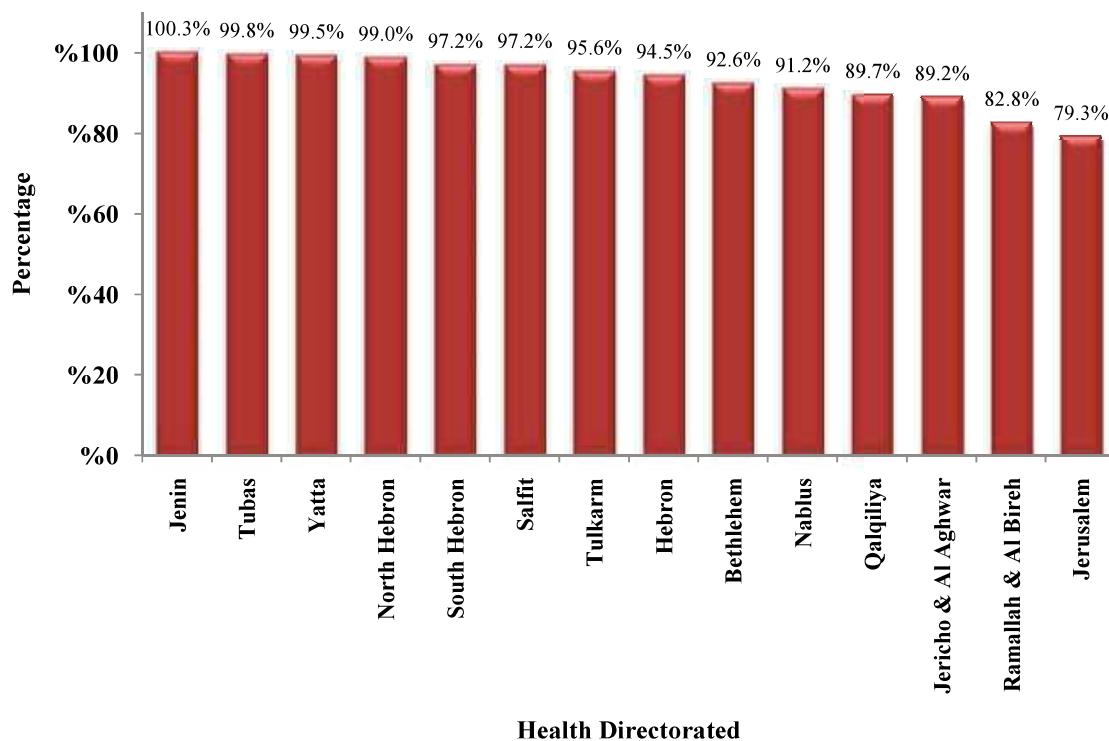
Primary health care clinics in MoH provide mammography services in the various health directorates in West Bank. The number of cases examined in the various governorates was 11,603, of which 3,498 were abnormal and accounted for 30.1% of the examined cases.

The number of ultrasound cases in the various West Bank governorates was 3,003, of which 1,808 cases were abnormal and accounted for 60.2% of the examined cases.

2.2.2 Child Care

Since 2016, MOH has increased the age of children receiving free health services in their centers from 3 to 6 year olds. During 2018, PHC clinics registered 495,086 visits for children under 3 years. The Total number of children registered in PHC centers and cared for by doctors was 63,440 children with coverage of 93.7% of the total number of children recorded in the PHC clinics in MOH. The lowest coverage was recorded in Jericho & Al Aghwar governorate, reaching 70.6%.

Graph (20) Proportional Coverage of Registered Children received Health Care by Physician In MoH PHC by Health Directorate, West Bank, Palestine 2018

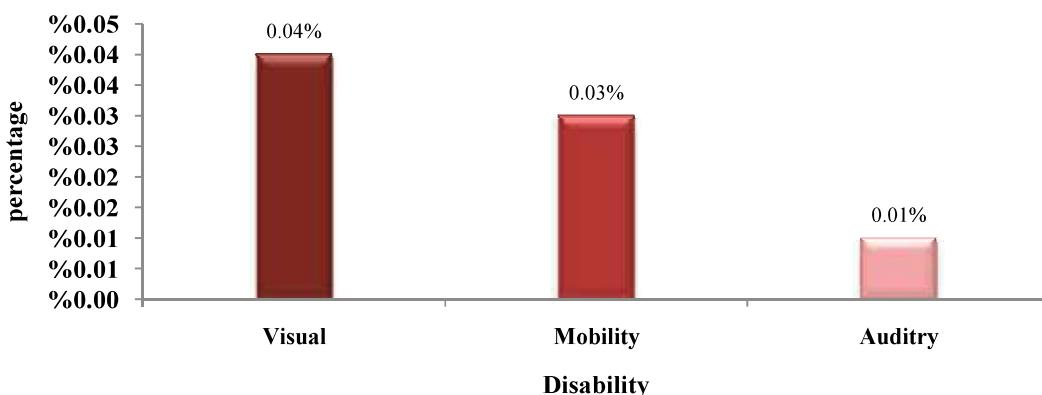


1. Disabilities and Congenital Diseases

In 2018, in PHC centers in West Bank were reported 54 cases of disability, with percentage of 0.09% of the total number of children examined by physicians. Jericho & Al Aghwar reported the highest percentage of disability which reached 0.26 %.

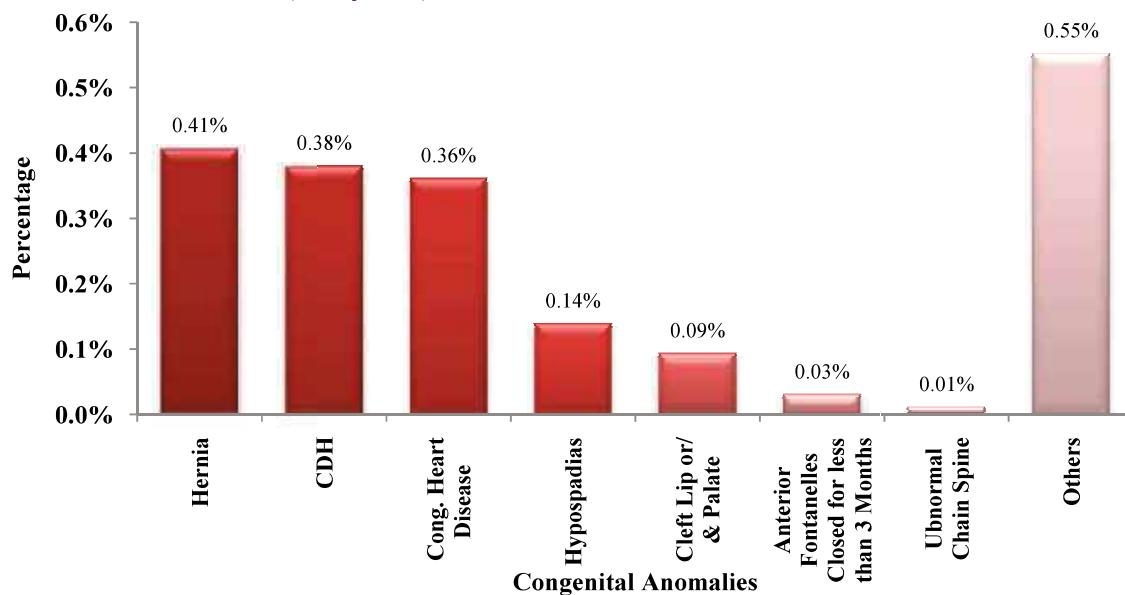
Reported disabilities distributed is as follows: 21 cases of mobility disabilities, constituting 38.9%, and an auditory (hearing) disability reported 6 cases, with a percentage of 11.1% and the Visual disabilities recorded 27 cases with percentage of 50% of the total number of disabilities cases among children.

Graph (21) Proportional Distribution of Reported Disability of Total Examined Children (1- 3 years) in MoH PHC Centers, West Bank, Palestine 2018



In 2018, in PHC centers in West Bank were reported 1,252 cases of congenital diseases, with percentage of 2% of the total number of examined live births. The number of cases of Hernia was 258, which is 20.6% of the total number of congenital cases among children.

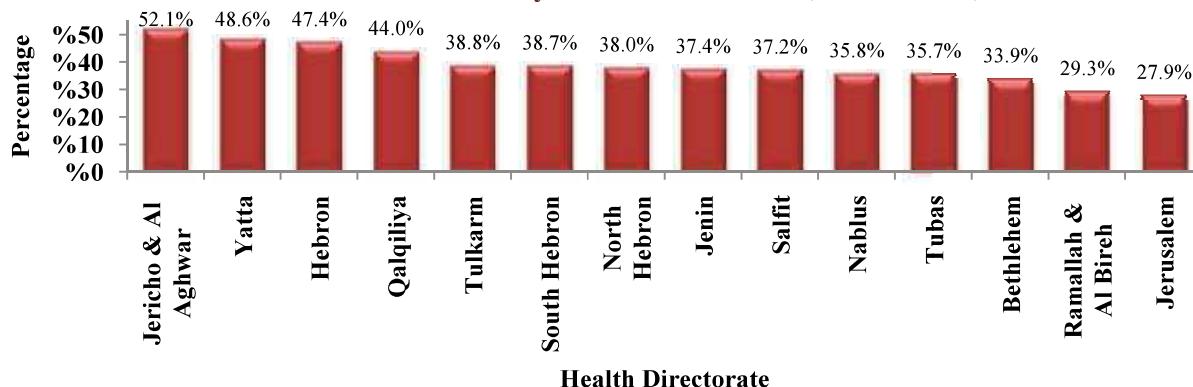
Graph (22) Proportional Distribution of Reported Congenital Anomalies of the Total Examined Babies (1- 3 years) in MoH PHC Centers, West Bank, Palestine 2018



2. Anaemia in Children at Age of 12 Months

The percentage of anaemia among children examined at age of 12 months was 38.5% in the various districts of West Bank in 2018, where the percentage of mild anemia was 94.2% of anaemia among anaemic children; the percentage of moderate anaemia was 5.7% of anaemia among anaemic children and the severe anaemia was 0.12% of anaemia among anaemic children.

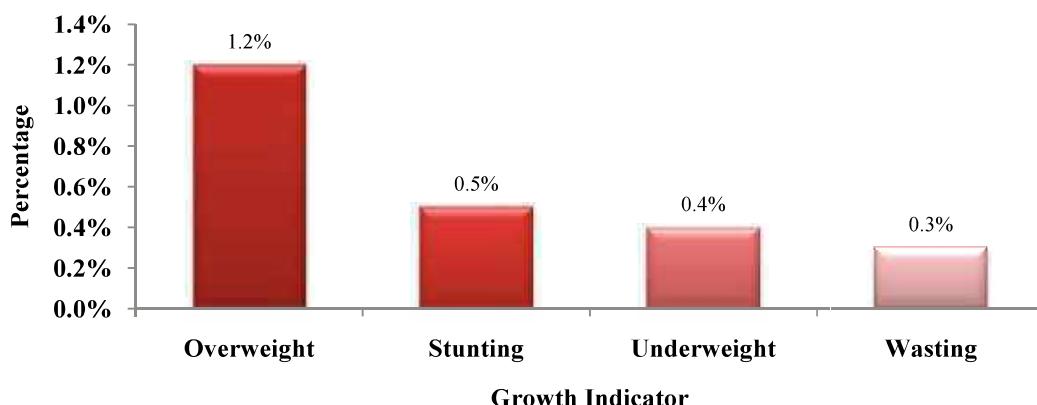
Graph (23) Proportional Distribution of Anaemia among Registered Children at Age of 12 Months in MoH PHC Centers by Health Directorate, West Bank, Palestine 2018



3. Basic Growth Indicators

In 2018, data from MoH PHC centers in West Bank indicated that 0.3% of children are suffering from wasting, of which 32.2% have severe wasting, 0.4% suffer from underweight, of which 27.9% are severely underweight, 1.2% of the children with an overweight, of which 24.9% of them are obese, and children with stunting of 0.5% of the total children examined in mother and child centers in PHC, where it was found that 40.9 % of stunted children suffer from severe stunting.

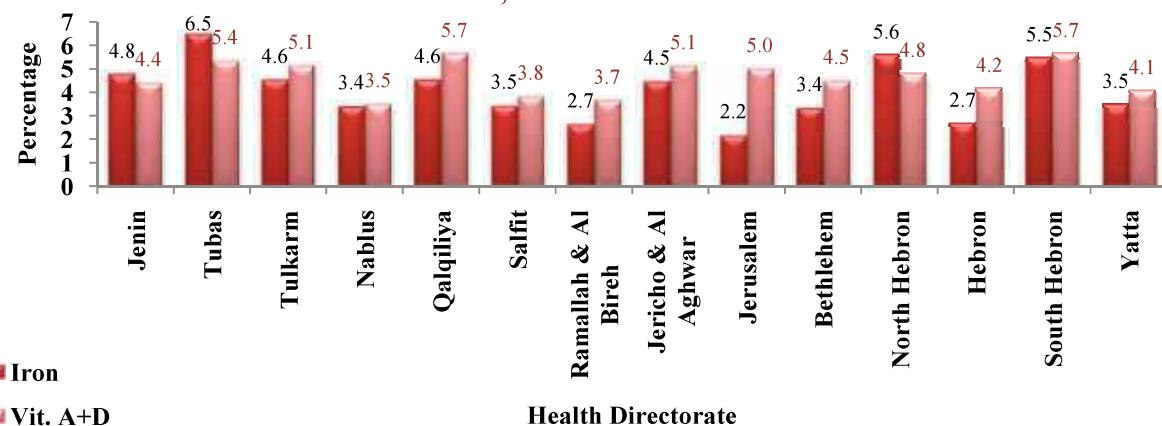
Graph (24) Distribution of Registered Child Growth Indicators at 12 Months of Age in MoH PHC Centers, West Bank, Palestine 2018



4. Child Supplements

PHC provides supplements for children under the age of 3 who receive PHC services at their clinics, where they are provided with iron and vitamin A + D. In 2018 indicate that the iron bottle rate for children reached 3.9 bottles per child. The rate of bottle of vitamin A + D was 4.4 bottles per child.

Graph (25) Proportional Distribution of Supplementation for Registered Children in PHC MCH Centers by Type of Supplementation & Health Directorate, MoH, West Bank, Palestine 2018



5. PKU and TSH Tests

Maternal and Child Health (MCH) centers performed Phenylketonuria PKU and Thyroid Stimulating Hormone TSH test to all newborns. 79,813 drawing samples were recorded during 2018, 63,673 of the total samples withdrawn were during the first week of life, with percentage of 79.8%, and 13,587 samples were withdrawn during the period from 8 to 15 days of life, a percentage of 17% of the total number of samples withdrawn, while the number of children the samples of PKU and TSH withdrawn for them after 15 days was 2,553 samples, with percentage of 3.2% of the total samples. The total Positive cases found were as follows: PKU 15 cases and TSH screening was 24 cases.

6. Maternal and Child Health Handbook

In 2018 MOH in PHC and hospitals as well as health providers from NGOs and UNRWA distributed 49,770 Maternal and Child Health Handbook; 39,701 of the total were distributed in PHC centers.

The number of handbooks distributed in PHC centers for children was 5,233, with percentage of 13.2%, while 33,612 handbooks were distributed to mothers which was 84.7%, 856 handbooks were replaced the lost handbooks with percentage of 2.2%.

In hospitals 13,266 handbooks were distributed, 452 handbooks were distributed for children which was 3.4%, while 12,335 of it's distributed for mothers with percentage of 93.3%, and 439 were replaced the lost handbooks with percentage of 3.3%.

2.3 School Health

2.3.1 School Health Program (SHP)

The School Health Program aims to provide medical services, especially preventive ones, to all Palestinian students through the Government School Health Program, which provides services to public and private schools and government schools affiliated to the Ministries of Social Affairs, Labor and the Ministry of Awqaf and Religious Affairs, as well as in some kindergartens. Another SHP is the UNRWA School Health Program, which provides services to refugee students in its schools.

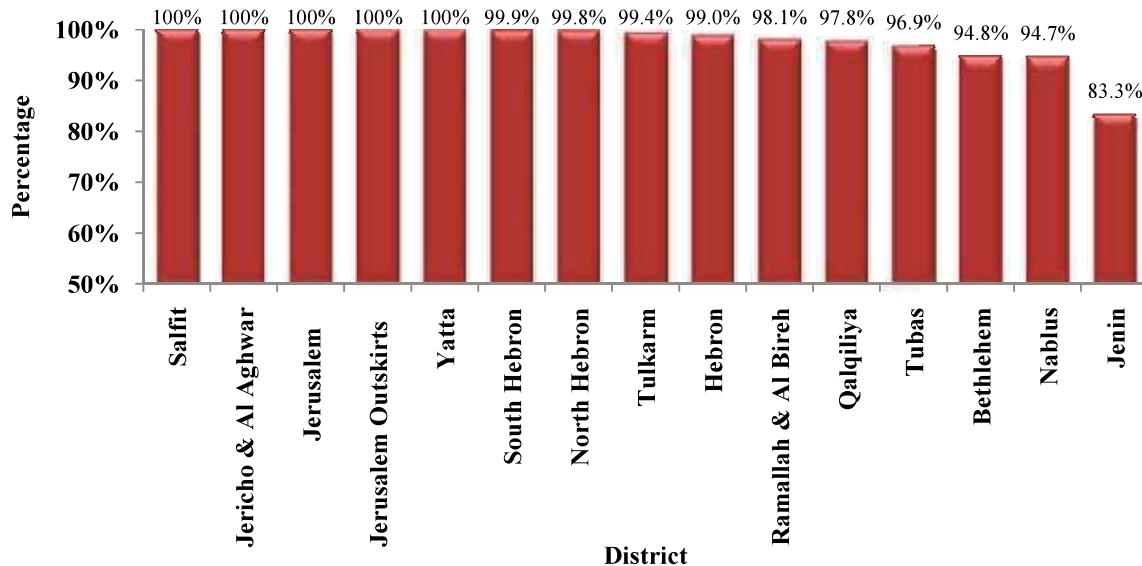
2.3.2 School Health Services

1. Services Provided for First Grade

The school health program staff conducted several tests for first grade students through their staff in all districts. During the Scholastic Year 2017 /2018 the total number of examined

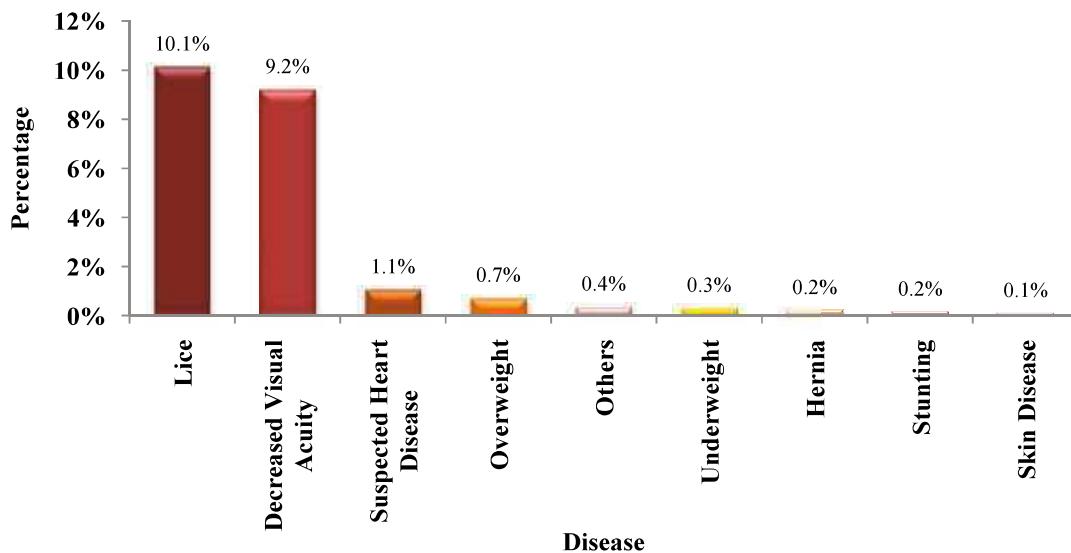
students was 45,864 with coverage of 96.2% of the total number of students, 10,206 cases were diagnosed among the students with percentage of 22.3% of the total examined students.

Graph (26) Proportional Distribution of Coverage of First Grade Pupils in the Governmental School, West Bank, Palestine Scholastic Year 2017- 2018



School health program staff provided several tests for students in the first grade, including ophthalmology, weight, hearing, skin, etc. The highest number of cases reported from lice was 4,465 cases, represented 43.7% of all diagnosed cases.

Graph (27) Proportional Distribution of Diseases among First Grade Examined Pupils, West Bank, Palestine Scholastic Year 2017- 2018

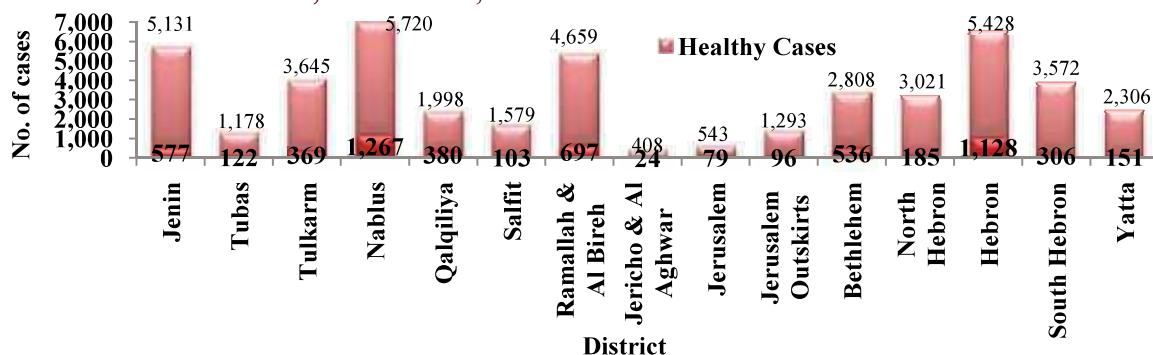


2. Preventive Optometry Test for Fifth and Eighth Grades

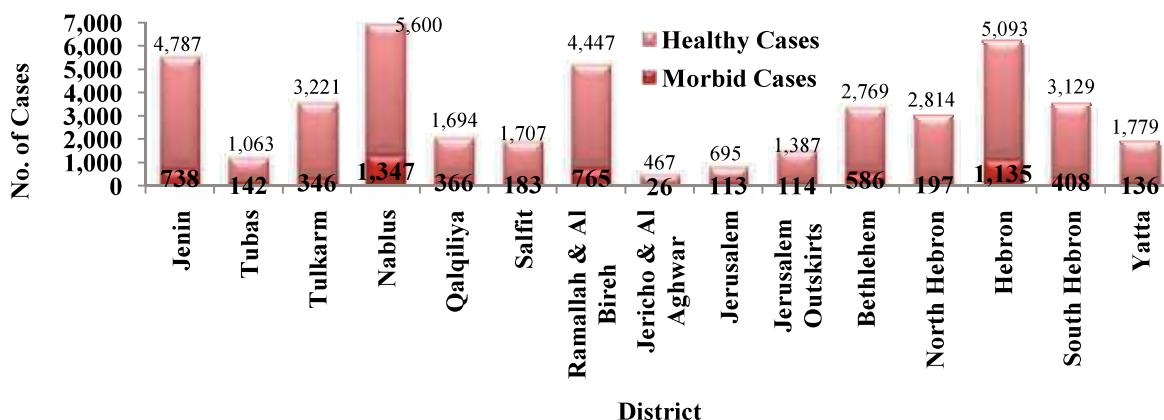
MoH school health teams are implementing a preventive program for optometry (eye test) in West Bank through screening services for 5th and 8th grades in addition to first grade.

The number of examined students in the fifth grade was 49,309, and a visual impairment was found in 6,020 students with percentage of 12.2%. In the eighth grade, the total number of examined students was 47,254; 6,602 of them diagnosed with a visual impairment with percentage of 14.0% of the total number of examined students.

Graph (28) Distribution of Examined & Morbid Cases of Fifth Grade Pupils by Health Directorate, West Bank, Palestine Scholastic Year 2017- 2018



Graph (29) Distribution of Examined & Morbid Cases of Eighth Grade Pupils by Health Directorate, West Bank, Palestine Scholastic Year 2017- 2018



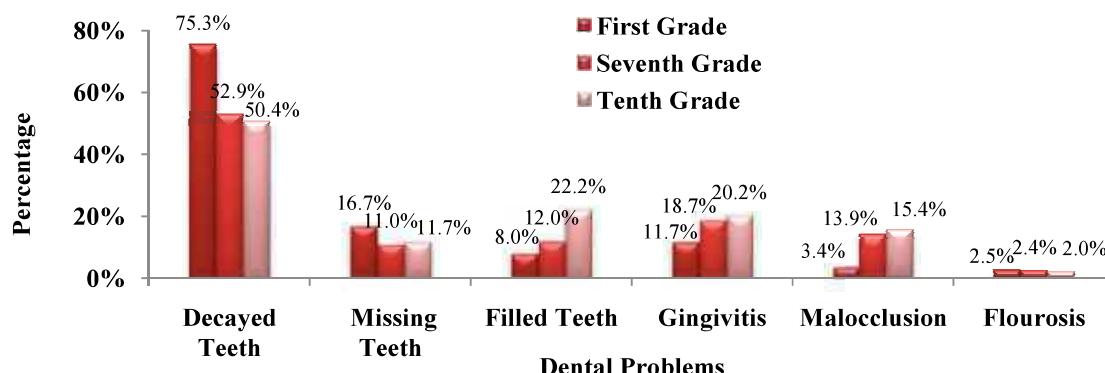
3. Dental Health of Pupils

School health staff conducted examination of teeth for first, seventh and tenth graders.

During the Scholastic Year 2017/ 2018 the number of screened pupils in the first grade was 41,393, of which 32,115 were diagnosed with different dental problems. In the seventh grade, 43,381 students were screened, of which 26,118 were diagnosed with different dental problems. The number of screened pupils in the 10th grade was 37,809, of which 22,432 were diagnosed with different dental problems.

The reported cases indicate that dental decay recorded the highest cases of dental problems in grades 1st, 7th and 10th reached 31,180, 22,939 and 19,056 respectively.

Graph (30) Proportional Distribution of Dental Problems among Examined Pupils by Grade & Situation, West Bank, Palestine Scholastic Year 2017- 2018

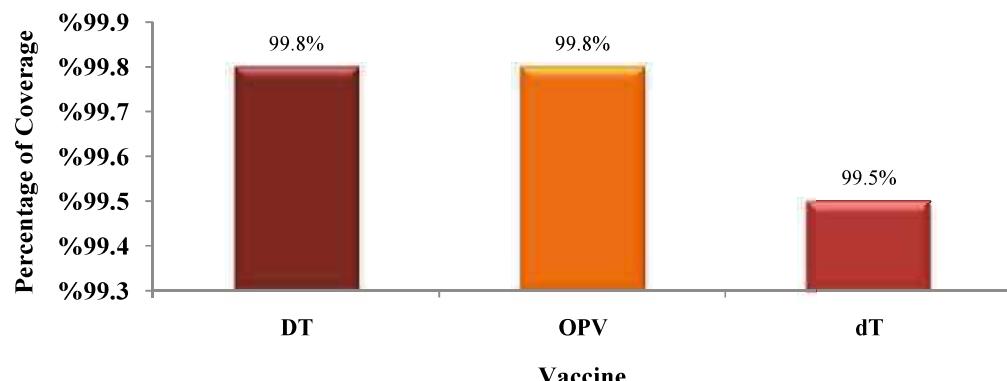


2.3.3 Vaccinations for School Pupils

The school health program teams in the Ministry of Health vaccinate schoolchildren in Palestine, according to the national immunization schedule, where the total number of vaccinated Pupils was 216,715 in Palestine.

123,690 received diphtheria and tetanus (DT) vaccine, 123,687 of them received poliovirus vaccine (OPV), where the coverage of vaccine in the first grade was 99.8%, 93,028 students in the ninth grade received diphtheria and tetanus vaccine (dT) with coverage of 99.5%.

Graph (31) Distribution of Pupils Vaccine Coverage by Vaccine Type & Grade, West Bank, Palestine Scholastic Year 2017- 2018



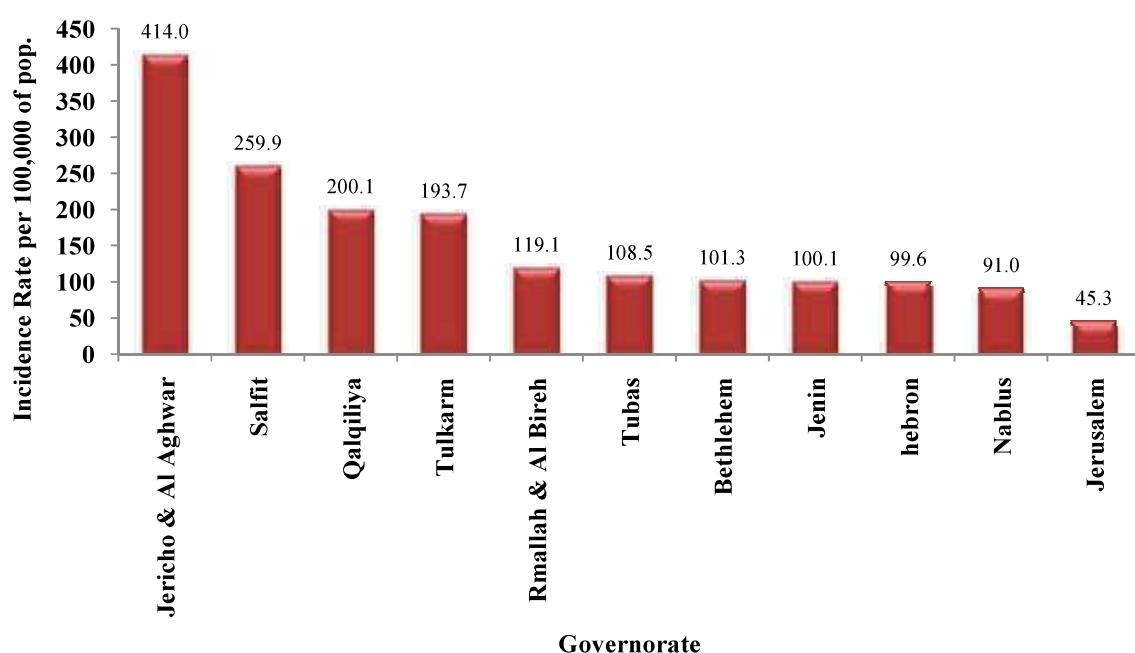
2.4 Mental Health

2.4.1 Activities of Community Mental Health Clinics

Mental health services in Palestine are provided through 16 specialized psychiatric and community health clinics in West Bank, including a mental health center for children and adolescents in the North Hebron Health Directorate.

In 2018, there were 3,156 new patient registered at different mental health centers in West Bank, with an incidence rate of 119.7 per 100,000 population.

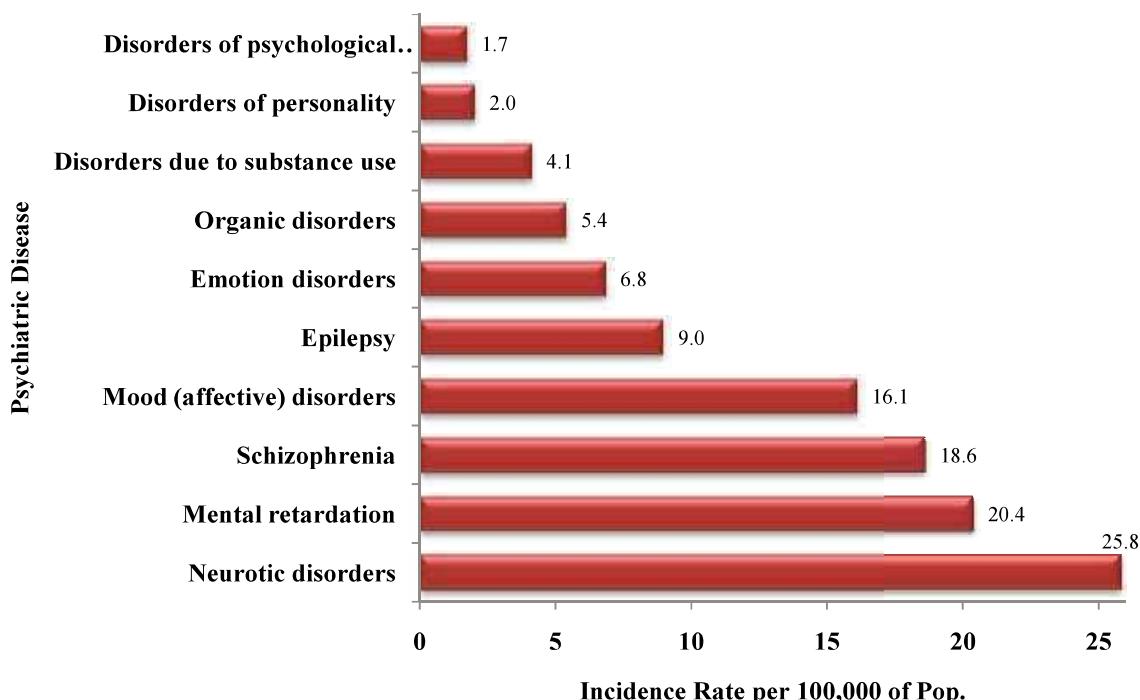
Graph (32) Distribution of Reported Incidence Rate of Psychiatric Diseases per 100,000 Pop. by Governorate, MoH, West Bank, Palestine 2018



2.4.2 New Reported Psychiatric Cases by Diagnosis

In 2018, The incidence rates for new reported cases in MoH mental and community health centers in West Bank show that Neurotic disorders, Mental retardation and Schizophrenia are the highest incidence respectively, reaching incidence rate of 25.8, 20.4 and 18.6 per 100,000 population respectively.

Graph (33) Distribution of New Reported Incidence Rate of Psychiatric Diseases by Diagnosis per 100,000 of Pop., West Bank, Palestine 2018

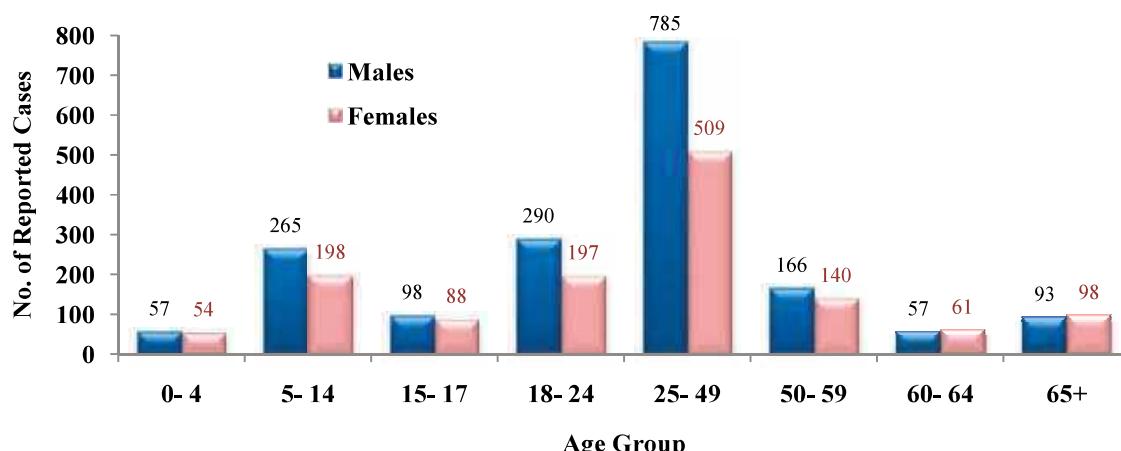


2.4.3 New Reported Cases of Psychiatric Diseases by Sex & Age Groups

Distribution of new psychiatric cases recorded in mental and community health centers by sex showed 1,811 cases of males with percentage of 57.4% and 1,345 females with percentage of 42.6% out of the total new cases recorded.

The age distribution showed that the largest number of these cases distributed in the age group 25- 49 years, amounting to 1,294 cases.

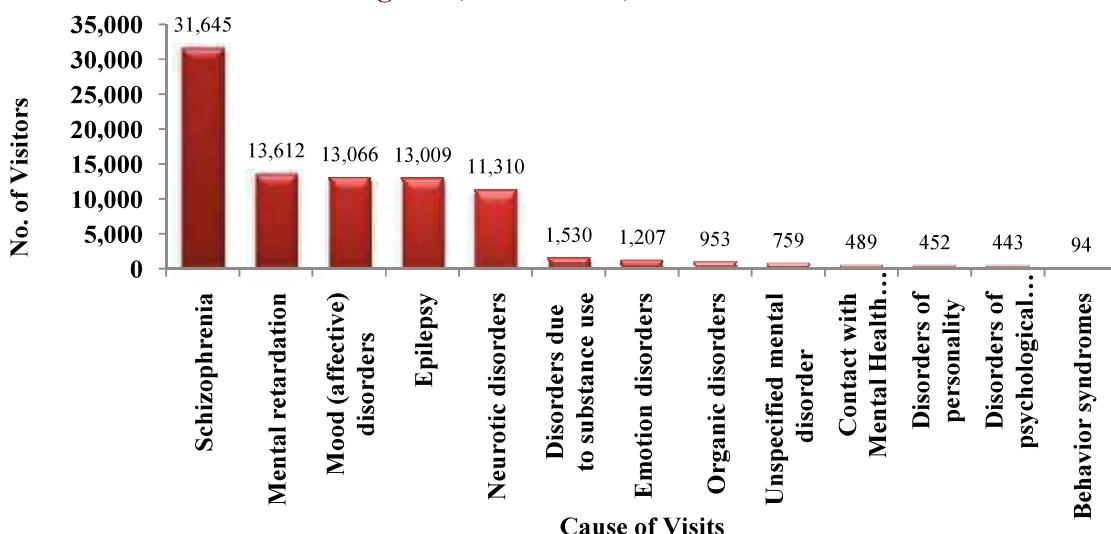
Graph (34) Distribution of New Reported Psychiatric Cases by Sex & Age Groups, MoH, West Bank, Palestine 2018



2.4.4 Visitors of Community Mental Health Centers by Diagnosis

In 2018, the total number of patients in community mental health centers in West Bank showed that Schizophrenia, Epilepsy and Mood (affective) disorders are the highest treatment with 31,645 , 13,612 and 13,066 cases respectively.

Graph (35) Distribution of Number of Community Mental Health Centers Visitors by Diagnosis, West Bank, Palestine 2018



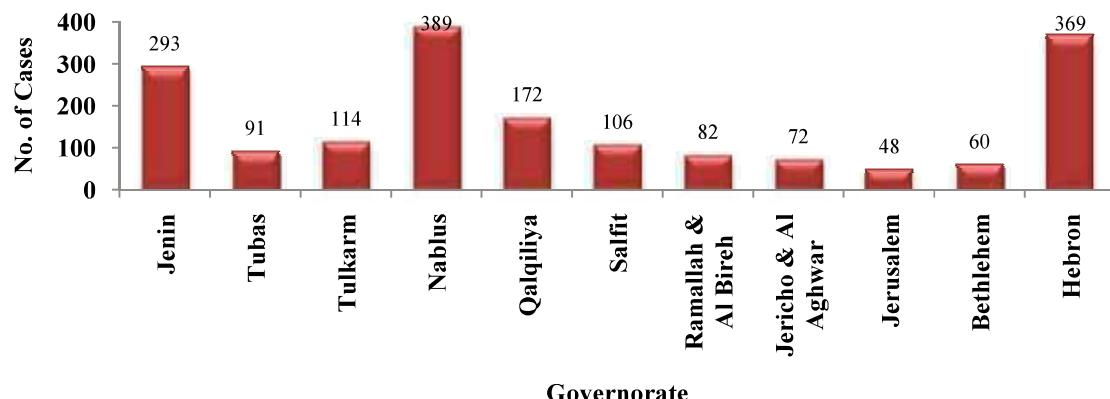
2.5 Surveillance of Gender-based Violence

UNFPA defines gender-based violence as "any act of physical, psychological or social violence, including sexual violence, which is practiced or threatened to be practiced". Gender-based violence derives its origins from social imbalance in roles between men and women and is supported by patriarchal and authoritarian social concepts in any society and is exacerbated in times of conflict, armed conflict and natural disasters. The biggest challenge is the lack of notifications and data on cases of gender-based violence. The Ministry of Health has great importance to this issue and launched an ambitious program to observe this phenomenon in Palestinian society.

2.5.1 Reported Cases of Gender-based violence

In 2018, were reported 1,796 cases of violence based on gender, with an increase of 105.7% compared with the reported cases in 2017 which the number of reported cases was 873. The highest number of reported cases were in Nablus Governorate was 389 cases, or 21.7% from the total reported cases, Hebron 20.5% of the total reported cases, Jenin governorate 16.3% of the total reported cases, and the lowest number of reported cases was from Jerusalem Governorate 2.7% of total reported cases.

Graph (36) Distribution of Reported Cases of Gender-based Violence by Governorate, West Bank, Palestine 2018



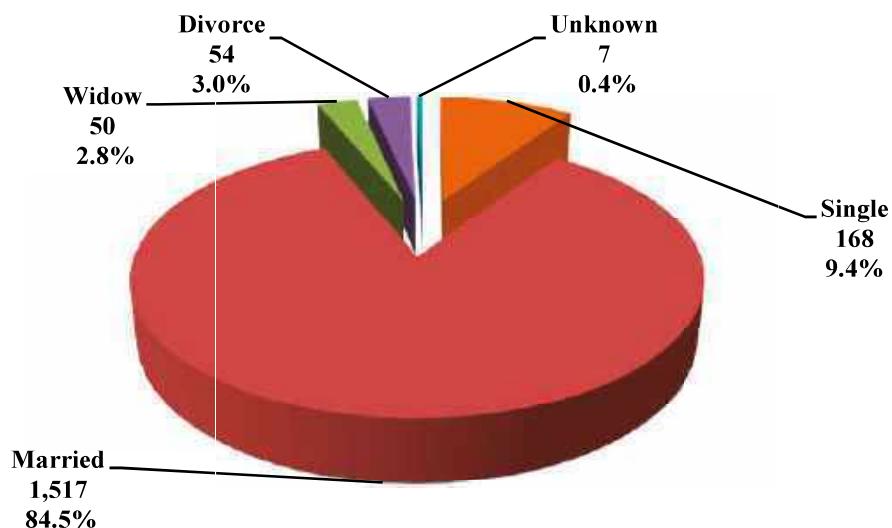
2.5.2 Reported Cases of Gender-based Violence by Age Group

42.3% of reported gender-based violence cases were in the 30- 49 years of age and 42.1% in the 19-29 years of age.

2.5.3 Reported Cases of Gender-based Violence by Marital Status

84.5% of reported gender-based violence cases were married women.

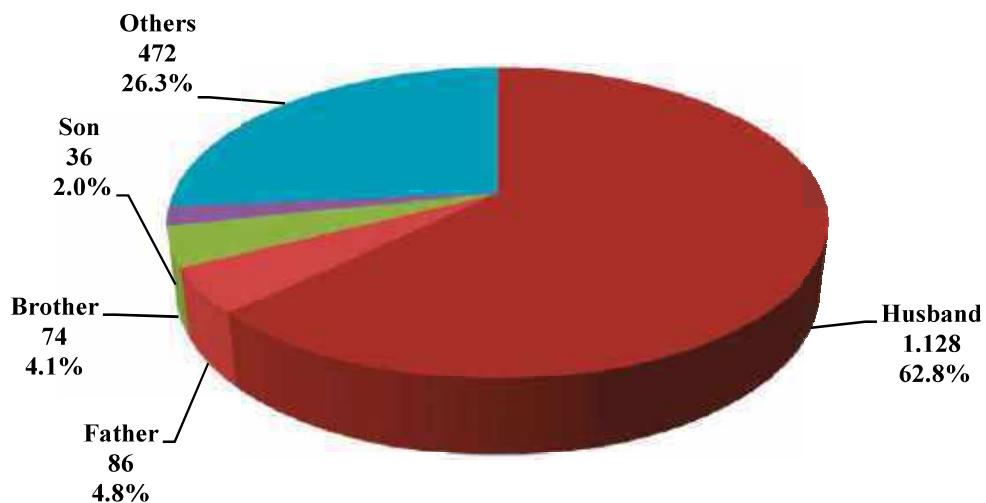
Graph (37) Distribution of Reported Cases of Gender-based Violence by Violated Women, West Bank, Palestine 2018



2.5.4 Reported Cases of Gender-based Violence by Violator

In 62.8% of reported gender-based violence cases, the violator were the husband.

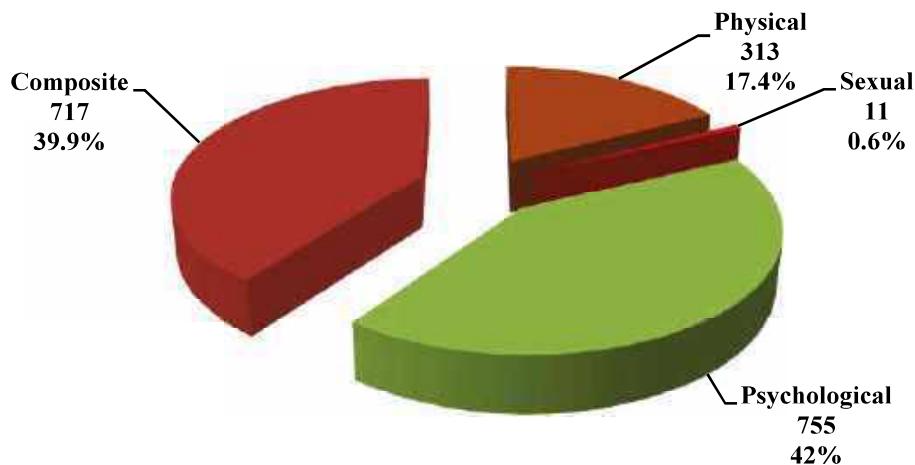
Graph (38) Distribution of Reported Cases of Gender-based Violence by Violator, West Bank, Palestine 2018



2.5.5 Reported Cases of Gender-based Violence by Type of Violence

In 42.0% of reported gender-based violence cases, violence was Psychological, followed by 39.9% of reported cases the violence was composite.

Graph (39) Distribution of Reported Cases of Gender-based Violence by Type of Violence, West Bank, Palestine 2018



2.6 Oral & Dental Health

2.6.1 Dental Clinics

MOH provides dental services through 38 clinics in PHC centers in West Bank.

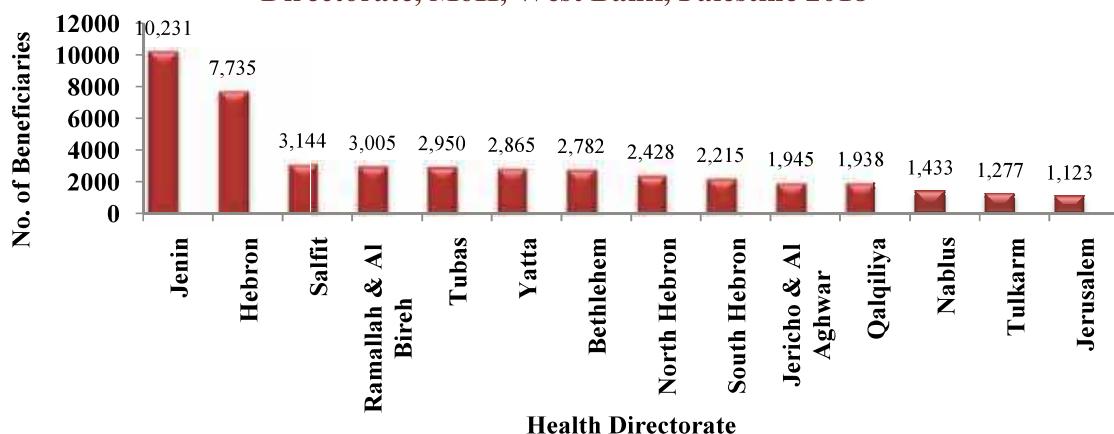
2.6.2 Oral and Dental Health Services in MoH Facilities

In 2018, the total number of patients who received oral and dental health services in PHC centers was 45,071.

The total number of fillings performed in these clinics were 13,100 cases including 6,316 silver fillings, 3,724 cosmetic fillings and 3,060 temporally fillings. While 11,675 cases of tooth extraction were reported, and the number of scaling and polishing cases was 1,124.

Dental clinics also offer dental care for pregnant women regardless of health insurance. In 2018, the number of pregnant women who benefited from dental care was 5,193 not depend to availability of their health insurance.

Graph (40) Distribution of Beneficiaries from Dental Clinics Services by Health Directorate, MoH, West Bank, Palestine 2018



2.7 Road Traffic Accidents (RTA)

2.7.1 Road Traffic Accident Surveillance Program

In 2018, were reported 170 cases of road traffic accidents deaths.

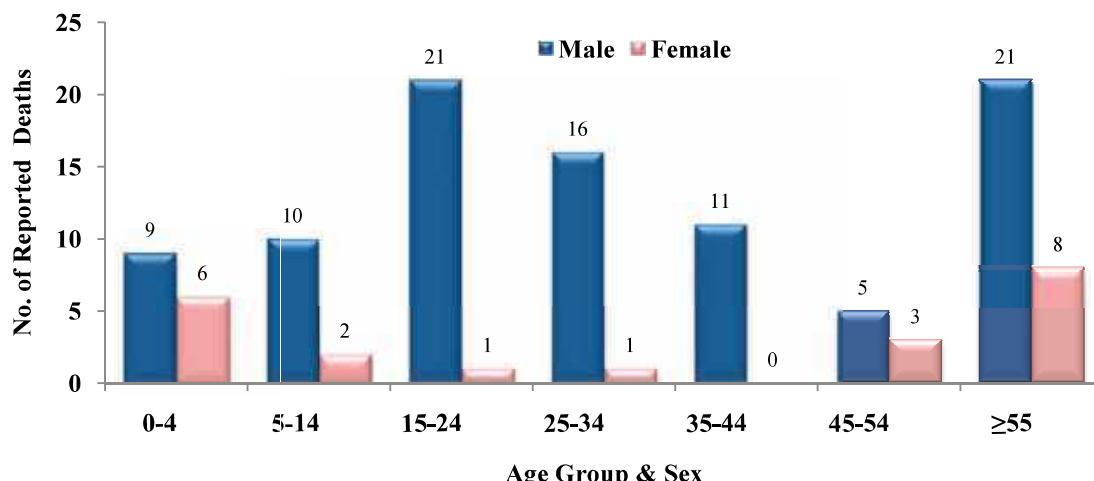
2.7.2 Death Rate of Road Traffic Accidents in Palestine

In 2018, the reported death rate from road traffic accidents in Palestine was 3.7 per 100,000 populations, in West Bank 4.3 per 100,000 populations while in Gaza Strip 2.9 per 100,000 populations.

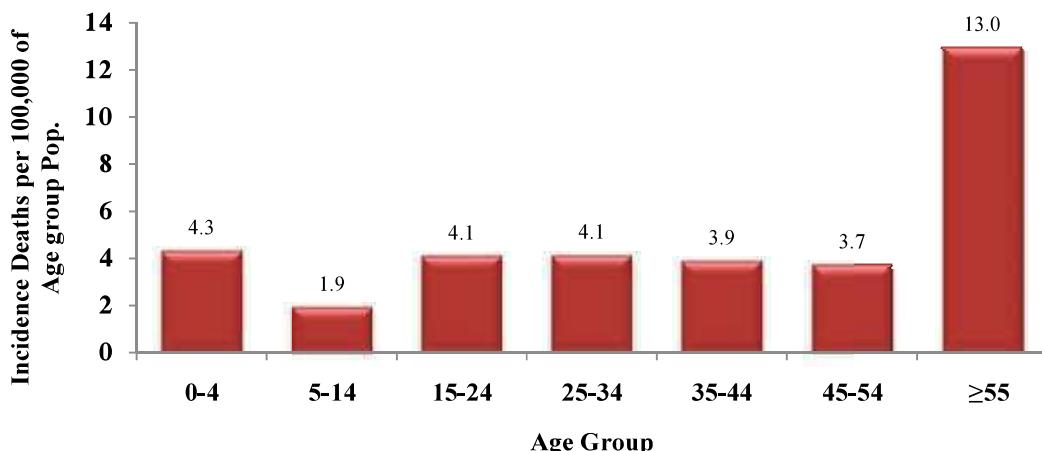
2.7.3 Distribution of Road Traffic Deaths by Age Group

The number of deaths recorded in West Bank was 114, the highest in the age group of 55 years and older, and it's 25.7% of the total number of road traffic deaths reported during 2018.

Graph (41) Distribution of Number of Road Traffic Deaths by Sex & Age Groups, West Bank, Palestine 2018



Graph (42) Distribution of Road Traffic Incidence Deaths by Age Groups per 100,000 of Age group Pop., West Bank, Palestine 2018



2.8 Work Accidents

Palestinian Health Information Center (PHIC) at MOH started the surveillance of work accidents since 2014 with establishing its own database for this purpose.

2.8.1 Distribution of Reported Work Accident Injuries, 2018

In 2018 were reported 1,685 injured workers, an increase of 5% over the number of work injuries reported in 2017 which was 1,775 injured workers.

In 2018, the incidence rate of work injuries among Palestinians in the West Bank was 57.7 per 100,000 populations, while it was 69.1 per 100,000 of populations in 2017.

Jericho and Al Aghwar governorates recorded the highest rate of reported work accidents and reached 281.3 per 100,000 of populations.

Bethlehem governorate recorded the lowest rate of work accidents and reached 15.9 per 100,000 populations.

The highest percentage of work injuries was recorded in the 15-24 age groups, followed by the 25-34 age groups.

2.8.1 Distribution of Reported Work Accident Deaths, 2018

In 2018, 16 deaths were reported due to work accidents, all were males, an increase of 14.3% over the number of work accidents reported in 2017.

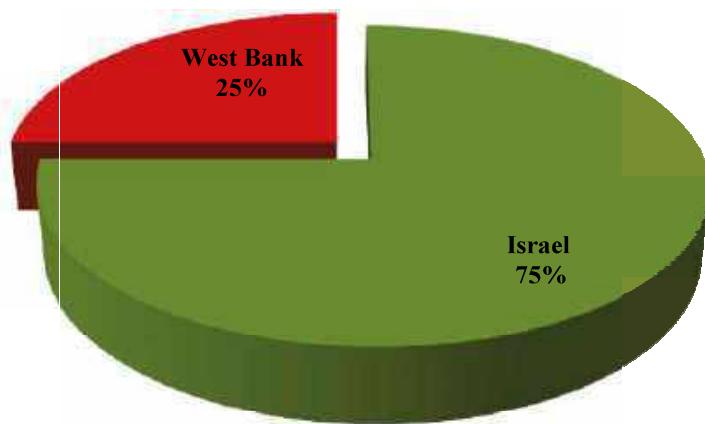
Table (4) Distribution of Reported Work Accident Deaths, West Bank, Palestine 2018

West Bank	Jenin	Tubas	Tulkarm	Nablus	Qalqilia	Salfit	Ramallah & Al Birch	Jericho & Al Aghwar	Jerusalem	Bethlehem	Hebron
16	1	0	3	2	1	0	0	0	0	2	7

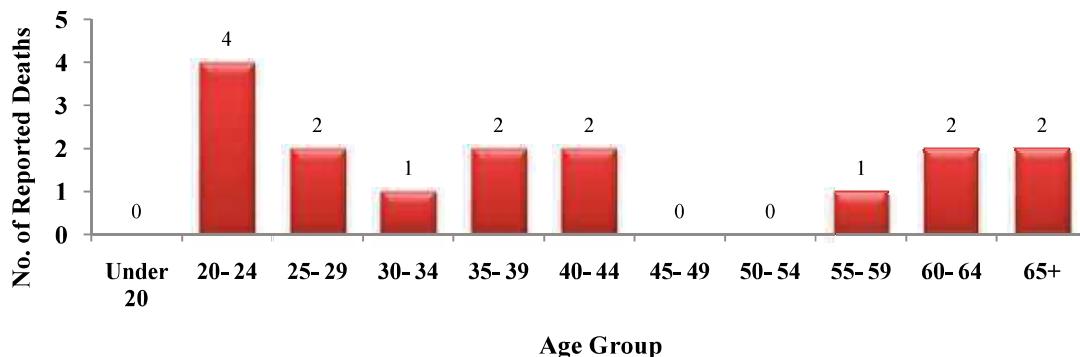
Twelve of the reported work accident deaths in 2018 were within the Green Line (Israel), which is 75% of reported work accident deaths and 4 deaths in West Bank.

12 cases of work accidents deaths were reported in construction workshops, which accounted for 75% of the reported work accident deaths.

Graph (43) Distribution of Reported Work Accident Deaths by Area of the Work Accident, West Bank, Palestine 2018



Graph (44) Distribution of Reported Work Accident Deaths by Age Group, West Bank, Palestine 2018

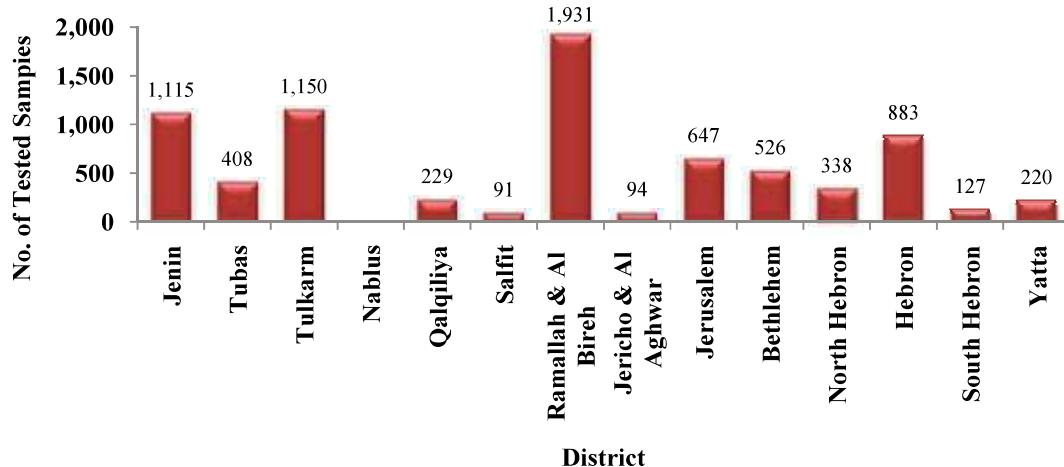


2.9 Environmental Health

1. Tested Food Samples

In 2018, the number of food samples tested was 8,619 with a contamination percentage of 15.0%.

Graph (45) Distribution of Number of Tested Food Samples by District, West Bank, Palestine 2018



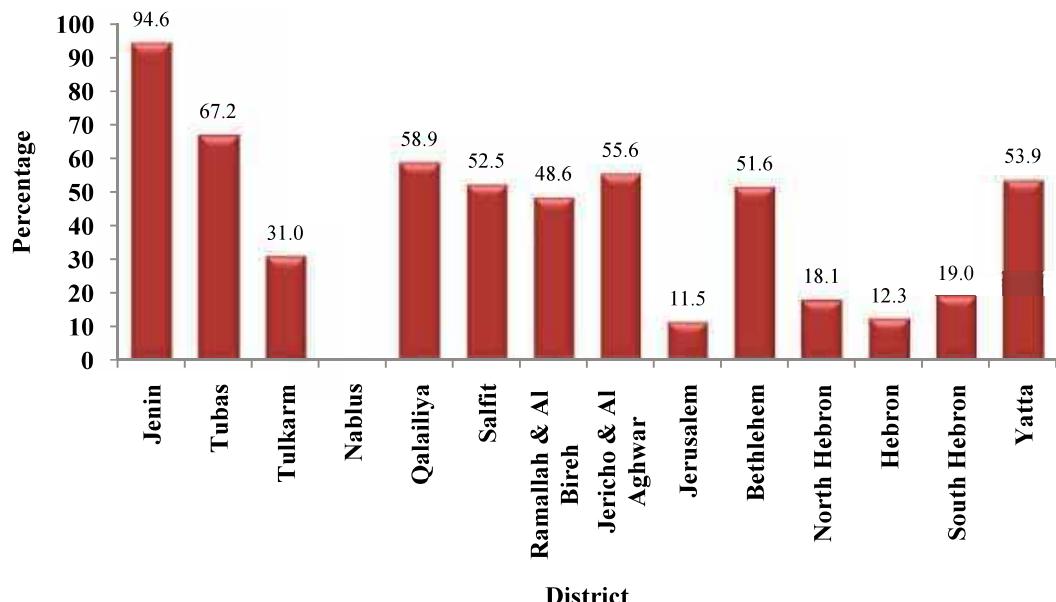
2. Tested Water Samples

In 2018, the total number of water samples tested was 12,394 with a contamination percentage of 13.3%.

3. Crafts and Industries

The number of existing trades and industries was 48,857 of which 39.5% were licensed, with complaints amounting to 215 and the numbers of Irregularities was 122.

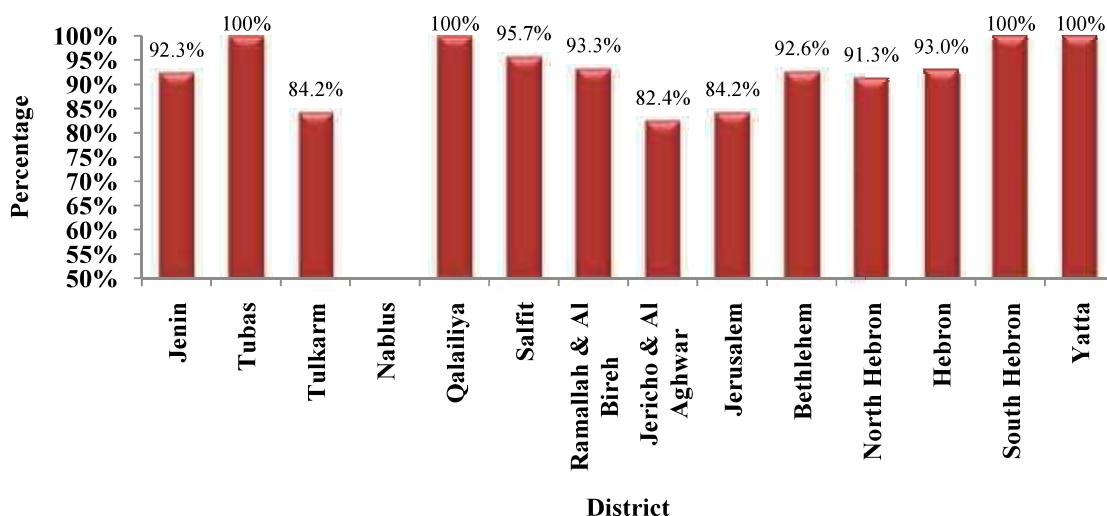
Graph (46) Proportional Distribution of Licensed Crafts and Industries by District, West Bank, Palestine 2018



4. Environmental Detection of Factory Applications

The total number of applications submitted during the year 2018 from the factories for the purposes of environmental detection were 271 applications, 92.3% of these requests were approved, while the rest were rejected.

Graph (47) Proportional Distribution of Accepted of Factory Requests by District, West Bank, Palestine 2018



5. Combating Insects & Rodents

In the interest of Environmental Health Department to fight insect and rodents.

In 2018, it distributed 4,926 liters of insecticides, 200 liters of herbicides and 1,000 liters of rodenticides.

2.10 Health Education Activities in 2018

In 2012, Palestinian Health Information Center (PHIC) built a computerized database for health education activities. The health education staff and statisticians were trained in the different health districts directorates. It was built in full coordination with the relevant departments in primary health care and public health, School Health department.

During 2018, 24,492 educational activities were carried out.

Implementing Teams for Health Education Activities

Health education activities were carried out by a number of staff including physicians, nurses, health counselors, pharmacists and others. The activities of the nursing staff were the highest, with 67.7% of these activities, 12.1% for Health Educator and 6.6% for Health Counselor.

Diversity of Methods of Implementing Health Education Activities

Health education teams carried out educational activities in a number of ways, including lectures, discussion groups, presentations and seminars. The lecture accounted for 35% of the health education activities carried out in 2018, followed by discussion groups, which accounted for 25.9% of the activities.

Health Education Activities according to Places of Implementation

The implementation of health education activities varied between sports clubs, schools, clinics and other places. The implementation of health education activities in clinics was the highest, with 87.9% of these activities followed by the activities carried out in schools, which amounted to 8.6% of these activities.

Implemented Health Education Programs

Health education programs varied between reproductive health, childhood diseases, non communicable diseases and healthy lifestyles. Healthy lifestyle activities accounted for 30.3% of the programs implemented in 2018 in various health directorates.

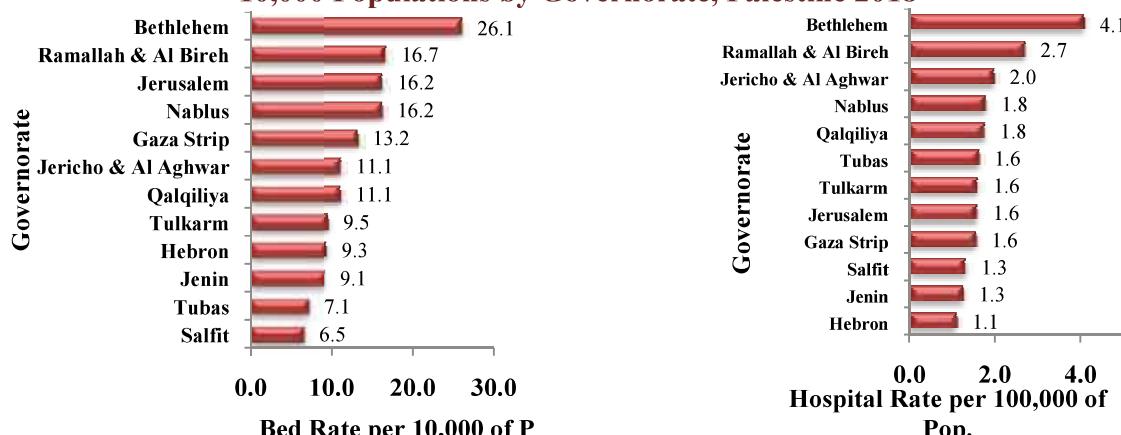
2.11 Secondary and Tertiary care in Palestine

2.11.1 Hospitals in Palestine

In 2018, the total number of hospitals in Palestine was 82 hospitals, 52 of them in West Bank, including East Jerusalem, which formed 63.4% of the total number of hospitals in Palestine.

The total number of hospital beds in Palestine (including psychiatric and neurological hospitals) is 6,440, with rate of 754 populations per bed, including East Jerusalem hospital beds; the rate was 760 population per bed in the Gaza Strip and 750 populations per bed in West Bank.

Graph (48) Distribution of Hospital Rates per 100,000 Populations & Bed Rate per 10,000 Populations by Governorate, Palestine 2018



2.11.2 Classification of Hospitals by Specialty

1. General Hospitals

These hospitals provide secondary health care services to their geographical area. Some of these hospitals have sufficient capacity to provide secondary health care and some tertiary health care. In 2018, there were 55.8% of the West Bank hospitals.

2. Specialized Hospitals

These hospitals provide specialized, advanced and comprehensive services in secondary and tertiary care. In 2018, there were 19.2% of hospitals in West Bank.

3. Maternity Hospitals

These hospitals provide services in the field of obstetrics and gynecology. In 2018, there were 19.2% of hospitals in West Bank.

4. Rehabilitation & Physiotherapy Centers

Medical centers offering rehabilitation and physiotherapy services. In 2018, there were 5.8% of hospitals in West Bank.

2.11.3 Ministry of Health Hospitals

The number of hospitals in the Ministry of Health is 27 hospitals, with a capacity of 3,462 beds, or 53.8% of the total number of beds in Palestine.

The beds of the Rehabilitation and Physiotherapy centers in Palestine are all owned and managed by non-governmental organizations.

There are 14 MoH hospitals in West Bank, with a capacity of 1,664 beds, equivalent to 48.2% of the total hospital beds of MOH, while there are 13 MoH hospitals in Gaza Strip 1,794 beds or 51.8% of the total MoH hospital beds in Palestine.

2.11.3.1 Distribution of Hospital Beds of MoH by Specialty

1. The beds of internal medicine and its sub-specialties

MoH allocated 846 beds of its hospital beds to internal diseases and its subspecialties. This beds constitutes 24.4% of the total beds of hospitals of the MoH.

2. General Surgery Beds & sub-Specialties

MoH allocated 967 beds to general surgery departments and sub-specialties. These beds comprised 27.9% of the total number of hospitals in MoH.

3. Pediatric Beds

The percentage of beds allocated to admit children is 19.4% of the total number of beds in MoH, which in 2018 reached 670 beds, 14 beds allocated for pediatric diseases in West Bank.

4. Beds of Obstetrics & Gynecology

The number of beds allocated to obstetrics and gynecology in MoH hospitals was 484 beds, representing 14.0% of the total number of hospitals in the MoH.

5. Intensive Care Unit Beds (Special Care)

Include the general intensive care units (ICU), Cardiac intensive care units (CCU), intensive neonatology units, Paediatric intensive care units and burn units.

The total number of beds is 481 beds, constituting 13.9% of the total number of hospital beds of the MOH.

6. Beds of Mental & Psychiatric Diseases

MoH is the only provider of this service to the Palestinian citizens. It is provided by two hospitals, one in Gaza Strip with a capacity of 41 beds and the other in West Bank with a capacity of 140 beds.

2.10.3.2 Indicators of Patients Admitted to Hospital Departments, not includes the Psychiatric Hospitals

- Days of Treatment

In 2018, the total number of treatment days was 566,141 treatment days, with 194 days of treatment per 1,000 inhabitants in West Bank.

- Beds Occupancy Rate

In 2018, the percentage of bed occupancy in MOH hospitals in the WB was 101.5%, 95% in Gaza Strip.

During the year 2018, the highest occupancy rate was recorded at Hebron Hospital (Alia), which reached 142.1%. The lowest occupancy rate was in Mohammed Ali Al Mohtasib Hospital in Hebron Governorate, which reached 44.2%.

- Length of Stay

The rate of length of stay of the patient in MoH hospitals in West Bank was 2.2 days, with the exception of mental and psychiatric hospitals, where the rate of stay was 68.8 days at the psychiatric hospital in. In 2018, the highest patient stay rate was at Al Watani Hospital, which was 2.7 days, while the lowest recorded in the Mohammad Ali Al Mohtaseb Hospital, which reached 0.7 days.

- Surgeries

131,109 surgical operations were performed in MoH hospitals in Palestine in 2018.

- Deliveries

The number of live births registered in MoH hospitals was 79,160 in Palestine.

- Caesarean Sections

In 2018 Caesarean Sections (CS) performed in MoH hospitals were 19,867 operations accounting for 25.1% of all deliveries in Palestine.

2.11.3.3 Hospital Outpatients Indicators

- Outpatient Clinics

In 2018, the total number of follow up visits to outpatient clinics in MoH hospitals reached 1,221,525 visits in Palestine.

- Emergency Services

In 2018, the number of visits to the emergency services in MoH hospitals reached 2,276,145 visits in Palestine.

- Haemodialysis Services

In 2018, the total number of haemodialysis units in West Bank was 11 units in MoH, with 213 units of the Industrial kidney and one unit in An-Najah National University Hospital in Nablus with 50 devices for the kidney machines, total number of haemodialysis units in Gaza Strip was 5 units, with 102 units of the Industrial kidney.

The number of patients receiving dialysis services in hospitals in West Bank was 2,071 on a regular basis, with a total of 277,102 haemodialysis.

- Physiotherapy Services

During the year 2018, total visits to physiotherapy departments in the outpatient clinics of MoH hospitals in West Bank governorates amounted to 17,525 visits.

- Diagnostic Radiology

These services are provided by radiology departments located in all hospitals of MoH. In 2018, the number of diagnostic radiographs conducted in the hospitals of MoH was 1,418216, including 166,420 ultrasound and 127,439 CT scans. This is in addition to 1,098,688 images of normal diagnostic radiographs and 25,669 magnetic resonance images.

Table (5) Some of MoH Hospital Indicators, West Bank, Palestine 2013- 2017

Indicators*	2014	2015	2016	2017	2018
No. of Beds	3,054	3,053	3,325	3,384	3,462
% of Occupancy Rate	86.6%	88.2%	92.2%	97%	101.5%
Length of Stay	2.5	2.9	2.2	2.2	2.2

* Not include mental & Psychiatric hospitals.

2.11.3.4 Psychiatric Hospitals

In 2018, the number of psychiatric hospitals beds in Palestine reached 181 beds. In West Bank, the percentage of beds occupancy was 86.6%. The rate of stay was 68.8 days, and the days of treatment in the psychiatric and mental hospital in West Bank were 44,277 days.

2.11.4 Non-Ministry of Health Hospitals

In 2018, the number of non-Ministry of Health hospitals in Palestine reached 55, with a total bed capacity of 2,978 beds, representing 46.2% of the total hospital beds in Palestine.

The private sector owns and manages 17 hospitals with a bed capacity of 631 beds, or 9.8% of the total hospital beds in Palestine.

Non-governmental organizations (NGOs) own 35 hospitals, with a total beds capacity of 2,141 beds, or 33.2% of the total hospital beds in Palestinian Medical Military Services (PMMS) operate 3 hospitals, and UNRWA operates one hospital in Qalqiliya Governorate in West Bank.

- An-Najah National University Hospital

The hospital was established by An-Najah National University in Nablus as an educational hospital affiliated with the Faculty of Medicine and Health Sciences. It was partially started in the second half of 2013 with a capacity of 22 beds, which was increased to 129 beds in 2018.

- Medical Military Services Hospitals

There are 2 military hospitals in Palestine, all are in Gaza Strip; the Field Jordanian Hospital, Abasan Hospital and Balsam Hospital with a bed capacity of 143 beds.

- UNRWA Hospital

Medical services at UNRWA own and operate only one hospital in Palestine, it is located in Qalqiliya governorate in West Bank, with a capacity of 63 beds.

- Jerusalem Hospitals

There are 7 hospitals operating in East Jerusalem with a bed capacity of 716 beds.

- Rehabilitation Centers

Palestine has 4 rehabilitation centers, all of which are non-governmental, with a capacity of 193 beds, which is 3% of the total hospital beds in Palestine.

2.11.5 Palestine Medical Complex (PMC)

Palestine Medical Complex Wings

The Palestine Medical Complex consists of four wings: Ramallah's son's wing, Paediatric wing, Cardiac and Specialized surgeries wing, Emergency wing, in addition to the Central Blood Bank.

1. Ramallah's Son's Wing

It includes 135 beds, with an occupancy rate of 110.8%.

2. Paediatric Wing

It includes 67 beds and an occupancy rate of 98.6%.

3. Heart & Specialized Surgeries Wing

It includes 46 beds, with an occupancy rate of 97.8%.

4. Emergency Wing

111,396 patients were treated in the emergency wing in 2018.

2.12 Laboratories & Blood Banks

2.12.1 Laboratories Classification

General Directorate of Medical Support Services is the official body for the care of laboratories and blood banks. This service is provided in Palestine, where the laboratories are equipped with the latest laboratory equipments and the necessary manpower.

Laboratories in the Ministry of Health

Laboratories in the Ministry of Health are classified into three categories: central, medium and peripheral.

- Central Laboratories

It is an advanced laboratory to which samples are transferred to it from different governorates of West Bank for examination, under this classification falls the following laboratories:

1. Central Public Health Laboratory in Ramallah

In this laboratory, food, medicine and drinking water are tested for safe human consumption.

Neonatal screening samples are also screened for phenylketonuria (PKU) and thyroid stimulating hormone (N-TSH). Serological tests are also carried out for some viral diseases and DNA.

2. Histopathology Laboratories

In West Bank, histopathology tests are conducted in Rafidia Surgical Hospital in Nablus, in Beit Jala Hospital and Palestine Medical Complex.

There were 6 Histopathologists and 8 laboratory technicians working in this field. A total of 24,096 samples have been examined, the average cost of the sample examination was 31 Nis.

- Intermediate Labs

It is developed in hospitals of MoH, in which samples of inpatients, outpatient clinics and samples transferred from clinics of health directorates were examined in each governorate.

The average number of labs in West Bank was 14, with 245 technicians and specialists, and 6,775,957 laboratory tests were carried out (including blood bank activities). The average number of annual examinations per lab technician was 27,657 and the average direct cost per examination was 3.2 NIS

Table (6) Distribution of Intermediate Labs Tests, MoH, West Bank, Palestine 2018

Item	No. of Tests	%
Clinical Chemistry	3,800,452	60.5%
Hematology & Coagulation	1,327,804	21.1%
Routine Test	451,712	7.2%
Serology, Immunology & Auto Immune	309,025	4.9%
Microbiology	117,021	1.9%
Hormones	276,938	4.4%
Total	6,282,952	100%

- Terminal Laboratories

There are laboratories in Primary health Care (PHC) centers and clinics.

In West Bank, there are a total of 198 laboratories distributed in all governorates, of which 12 non-governmental laboratories have been contracted. There are 262 technicians working in these laboratories. A total of 2,993,877 laboratory tests have been carried out. The average number of annual examinations was 11,427 for each technician; the average test cost was 2.4 NIS.

Table (7) Distribution of Terminal Labs Tests, MoH, West Bank, Palestine 2018

Item	No. of Tests	%
Clinical Chemistry	1,575,799	52.6%
Hematology & Coagulation	747,515	25.0%
Routine Test	461,511	15.4%
Serology & Immunology	80,897	2.7%
Microbiology	5,718	0.2%
Hormones	122,437	4.1%
Total	2,993,877	100%

1. Blood Banks in Hospitals

Most blood transfusion services are concentrated in hospitals. MoH is the main provider of blood transfusion services in Palestine and supervises the other institutions that provide this service.

The number of blood donors in MoH hospitals in West Bank was 26,779 of which 11,514 were voluntary donations representing 43% of donors, 14,087 donated to relatives or acquaintances representing 52.6% of donors, and 1,178 were therapeutic donors representing 4.4% of donors.

All donated blood units are screened for blood transfusion diseases. These include: B viral hepatitis where positive tests were 0.5%, viral hepatitis C was positive and 0.2% positive and tested for HIV (AIDS) screening. Also the syphilis test was done for the units of fresh blood transfusion and for platelets units.

In 2018, 53,115 blood units and its derivatives were transferred to patients in MoH hospitals in West Bank.

Table (8) Distribution Blood Units given, MoH Hospitals, West Bank, Palestine 2018

Units Given	No. of Units	%
0%Whole Blood	0	0%
Packed RBCs	29,335	55.2%
Fresh Frozen Plasma	13,379	25.2%
Platelets Concentrate	9,907	18.7%
Cryoprecipitate	494	0.9%
Total	53,115	100%

2. The National Blood Bank

The number of blood donors in the National Blood Bank in West Bank was 10,906 donors of which 6,173 were voluntary donors representing 56.6% of donors , 3,738 donated to relatives or friends representing 34.3% of donors and 995 were Therapeutic donors representing 9.1% of donors .

By testing the units, 0.8% was positive for hepatitis B virus, 0.2% positive for viral hepatitis C, and also the blood units are testing for HIV, and syphilis test for units of blood transfused fresh and of platelets units.

The number of units of blood and its derivatives spent to all government hospitals, non-governmental and private in West Bank was 18,180 units.

Table (9) Distribution Blood Units given, Central Blood Bank, West Bank, Palestine 2018

Units Given	No. of Units	%
Whole Blood	0	0%
Packed RBCs	9,023	49.6%
Fresh Frozen Plasma	4,808	26.5%
Platelets Concentrate	3,091	17%
Cryoprecipitate	1,258	6.9%
Total	18,180	100%

2.12.2 Laboratories & Blood Banks Staff

The number of laboratories and blood banks staff working in MoH in Palestine with a certificate of laboratory medical sciences is 1,126 cadres and administrative sites.

There are 626 technicians working in West Bank and 500 in Gaza Strip. There is no complete separation between laboratories and blood banks. The scientific qualifications of these cadres range from diploma to doctorate, the vast majority of them are a bachelor's degree in medical analysis.

2.13 Health Human Resources in Palestine

Medical services in Palestine are provided by MoH, non-governmental health institutions, military medical services, the (UNRWA) and the private sector.

The number of medical cadres registered in various medical associations in Palestine reached 31,873 cadres, of which 24,432 were in West Bank 76.7%, and 7,441 were in Gaza Strip at 23.3%, while the number of medical staff working in MoH was 7,367 employees, 23.1% of the total human medical personnel working in the health sector.

Graph (49) Distribution of Medical Human Resources by Specialty & Region, Palestine 2018



2.13.1 Distribution of Human Resources Working in MoH

MoH is the largest employer of human resources working in the health sector in Palestine. In 2018, the number of employees in the Palestinian MoH reached 14,430 employees at a rate of 29.7 employees per 10,000 population, of which 8,177 (56.7%) were employed in West Bank and 6,253 which is 43.3% in Gaza Strip.

The number of medical staff working in MoH reached 9,317 including the supporting medical professions, which accounted for 64.6% of the total number of employees in the MoH, in addition to 5,113 employees working in the field of administration and services, representing 35.4% of the total workforce in MoH.

1. Physicians

The number of physicians working in different centers and units of MoH was 2,525 physicians, with 5.2 doctors per 10,000 population of Palestine; 4.6 physicians per 10,000 populations in West Bank and 6.1 physicians per 10,000 populations in Gaza Strip.

Physicians are distributed according to specialization where 1,482 with 58.7% are general physicians, with a rate of 3.1 physicians for every 10,000 populations, of which 786 with 53.0% work in West Bank and 696, (47.0%) in Gaza Strip. There are 865 with 34.3% specialized physicians out of total physicians, equivalent to 1.8 specialized physicians per 10,000 populations, of whom 481 work in West Bank by 55.6% and 384 in Gaza Strip by 44.4%. ,178 with 7.0% are dentists with 0.4 dentists per 10,000 populations, 76 with 42.7% in West Bank and 102 with 57.3% in Gaza Strip.

2. Pharmacists

MoH employs 480 pharmacists with a rate of one pharmacist per 10,000 populations, 279 of who are pharmacists 58.1% in West Bank, and 201 pharmacists 41.9% in the Gaza Strip.

3. Nursing & Midwifery

The number of nurses and midwives working in MoH was 4,362 nurses and midwives, of which 3,032 with 69.5% were employed in West Bank and 1,330 with 30.5% in Gaza Strip, distributed according to specialization to 3,911 nurses with 8.1 per 10,000 populations and 451 midwives with 0.9 per 10,000 inhabitants.

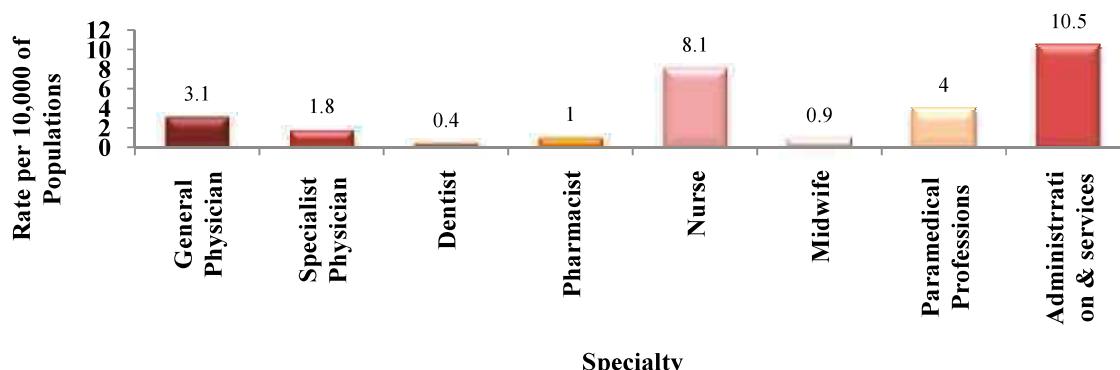
4. Paramedical Professions

In 2018, MoH paramedical professions were 1,950 employees, with an average of 4.0 employees per 10,000 of populations, of which 1,469 with 75.3% in West Bank and 481 with 24.7% in Gaza Strip.

5. Administration & Services

In MoH 5,113 employees in administration and services which is 10.5 per 10,000 populations, of which 2,054 with 40.2% are in West Bank and 3,059 with 59.8% are in Gaza Strip.

Graph (50) Human Resources Rates per 10,000 Populations by Specialty, MoH, Palestine 2018



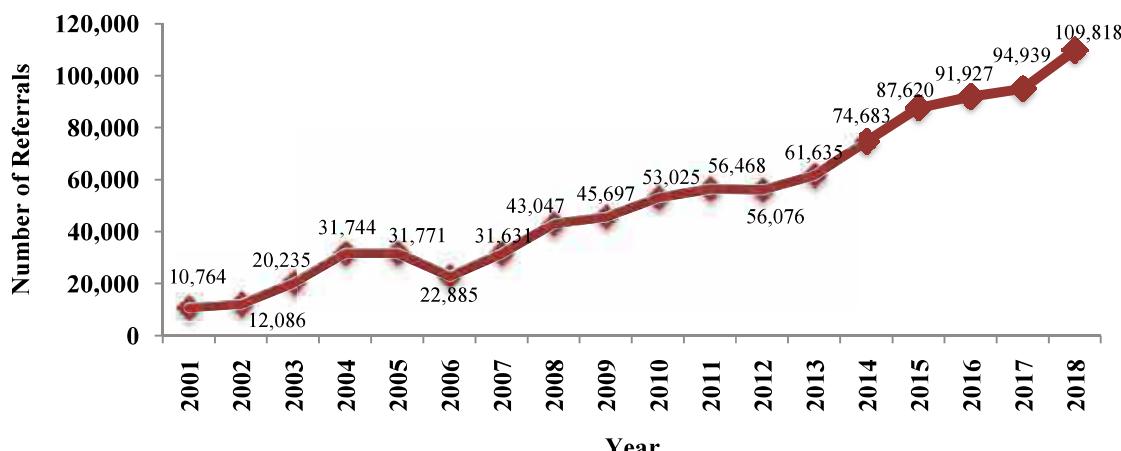
2.14 Purchase of Health Services from outside MoH (Referral for Specialized Treatment outside MoH Facilities)

2.14.1 Number of Referrals outside MoH Facilities in 2018

In 2018, the total number of referrals outside MoH was 109,818; an increase of 15.7% over the year 2017, with a total of 94,939 referrals, with an increase of 19.5% over the year 2016, referrals in that year was 91,927 referrals.

In 2018, the total cost of all referrals amounted to 724,622,913 NIS, an increase of 68.1% over the year 2017, where the cost of referrals amounted to 431,074,775 NIS.

**Graph (51) Number of Referrals for Treatment outside of MoH Facilities, Palestine
2001- 2018**



2.14.2 Distribution of Service Purchase Referrals in 2018 by Sex

The number of males referred to treatment outside hospitals of MoH was 61,372 males, 55.9%, and the number of female 48,446 females and 44.1% of the patients referred in 2018.

2.14.3 Distribution of Service Purchase Referrals by type of Service

The number of referrals for medical consultation was 34,876, accounting for 31.8% of total referrals. In 2017, the rate of referrals for consultation was 23.8%. In 2017, the number of referrals admitted was 74,942 referrals, constituting 68.2% out of all referrals , While in 2017, the rate of referrals admitted was 76.2%.

2.14.4 Distribution of Referrals in West Bank & Gaza Strip

The number of referrals from Gaza Strip reached 30,869, representing 28.1% of the total number of referrals in 2018, at a cost of 234,363,491 NIS, or 32.3% of the cost of purchasing the service from outside MoH facilities.

The number of referrals from West Bank reached 78,949 transfers, representing 71.9% of the total referrals, at a cost of 490,259,422 NIS, or 67.7% of the cost of purchasing the service from outside MoH facilities.

2.14.5 Distribution of Referrals by Place of Treatment

A. Purchasing the Service from Local Hospitals (inside Palestine)

These include private and non-governmental hospitals in Gaza Strip, West Bank and East Jerusalem, where 89,133 cases were referred; it's 81.2% of MoH's total referrals in 2018.

The total cost of these transfers amounted to 537,762,017 Nis, which is equivalent to 74.2% of the cost of purchasing the service from outside MoH, with an average cost of one referral of 6,033 NIS.

In 2017, this cost was 288,996,013 Nis, which accounted for 67% of the total cost of purchasing the service, at an average cost of 3,737 NIS.

*** Purchasing the Service from Hospitals in Gaza Strip**

6,961 medical referrals were issued to hospitals in the southern governorates (Gaza Strip). All these medical referrals were for patients from Gaza Strip, constituting 6.3% of the total number of medical referrals for treatment outside the Ministry of Health. Out of total Gaza Strip referrals 22.6% were issued for cases transferred to non-governmental hospitals within

Gaza strip. The cost of referrals issued for treatment in the Gaza Strip outside MOH was 41,229,583 NIS, which accounting 5.7% of the total cost of purchasing the service, at an average cost of 5,923 Nis per referral.

* Purchasing the Service from West Bank Hospitals

38,916 referrals for treatments were referrals to non-MoH hospitals in West Bank. This represents 35.4% of the total referrals of MoH, at a cost of 218,393,774 NIS, representing 30.1% of the total treatment expenses abroad, with an average cost of 5,612 NIS per every referral.

* Purchasing the Services from East Jerusalem Hospitals

In 2018, the total number of referrals to East Jerusalem hospitals was 43,256, representing 39.4% of the treatment referrals outside MoH, at a cost of NIS 278,138,660, equivalent to 38.4% of the total cost of purchasing the service from outside MoH. The cost was 6,430 NIS per every referral.

30,906 referrals were conducted for patients from West Bank at a cost of 160,366,115 NIS and 12,350 cases from Gaza Strip at a cost of 117,772,545 NIS.

B. Purchasing the Service from Hospitals outside of Palestine

These include hospitals in Egypt, Jordan and Turkey (two referral cases) as well as hospitals located within the Green Line (Israel) and Turkey, where 20,685 referrals were made, representing 18.8% of MoH total revenues in 2018 at a total cost of 186,860,896 NIS, equivalent to 25.8% The total cost of purchasing the service from outside MoH, at an average cost of 9,034 NIS per every referral.

In 2017, the cost of referrals outside Palestine reached 142,078,762 NIS, equivalent to 33% of the total cost of purchasing the service from outside MoH, at an average cost of 8,072 NISs per every referral.

* Purchasing the Service from Hospitals in Egypt

The total number of referrals to Egypt was 2,301, representing 2.1% of MoH's total revenues. In 2018, all referrals to Egypt were from Gaza Strip 100%.

The cost of treatment in Egyptian hospitals amounted to 5,256,826 NIS, which constitutes 0.7% of the total cost of purchasing the service, and the average cost per conversion is 2,285 NIS.

* Purchasing the Service from the Hospitals of the Hashemite Kingdom of Jordan

The total number of referrals to the Hashemite Kingdom of Jordan was 34 accounting for 0.03% of the total number of service purchases in 2018, including 13 from West B and 21 from Gaza Strip.

In 2018, the cost of purchasing the treatment service was 140,268 NIS; representing 0.02% of the total cost of purchasing the service, and the average cost per every referral is 4,126 NIS.

* Purchasing the Service from Hospitals inside the Green Line (Israel)

In 2018, the number of referrals within the Green Line (Israel) reached 18,348 which 16.7% of the total number of cases of purchase of the service, by 13,576 cases from West Bank, representing 17.2% of West Bank referrals and 4,772 referrals from Gaza Strip or 15.5% from Gaza strip referrals. The cost of referrals within the Green Line amounted to 180,977,302 NIS, which 25% of the total cost of treatment outside of Ministry of Health. The average cost per referral was 9,864 NIS.

* Purchasing the Service from Turkey

In 2018, two cases from West bank were referral to Turkey hospitals. The cost of referrals to Turkey amounted to 486,500 NIS, which 0.07% of the total cost of treatment outside of Ministry of Health. The average cost per referral was 243,250 NIS.

2.14.6 Distribution of Referral Cases by Disease

Table (10) Top 10th of Diseases by Number of Referrals, Palestine 2018

#	Disease	No.	%
1	Oncology	25,834	%23.5
2	Nephrology & Urology	9,738	8.9%
3	Cardiology	9,457	8.6%
4	Haematology	7,360	6.7%
5	General Surgery	7,031	6.4%
6	Paediatrics	6,790	6.2%
7	Ophthalmology	6,371	5.8%
8	Cardiac Catheterization	4,795	4.4%
9	Orthopaedics	4,145	3.8%
10	Neurology & Neurosurgery	3,434	3.1%
Total		84,955	77.5%

2.15 Health Insurance

2.15.1 Health insurance in Gaza Strip

Under article (2) of the presidential decree issued on 26/6/2007, which stipulates that "all citizens in the southern governorates are exempted from all services fees provided by the ministries, bodies and institutions of the Palestinian National Authority as of date, including the services provided for the first time All residents of Gaza Strip enjoy the free health insurance provided by the Ministry of Health from then until now. In other words, the coverage of the population of Gaza Strip by the health insurance of the Ministry of Health is 100%.

2.15.2 Health Insurance in West Bank

In 2018, there were 309,499 families participating in health insurance in West Bank. Insurance revenues in West Bank were 238,641,216 NIS, and 18,861 families had free health insurance.

The revenues of symbolic contributions in some services (medicines, radiology and laboratory) amounted to 58,634,538 NIS.

The highest number of insured families was in Hebron governorate with 75,911 families, followed by Nablus governorate with 43,154 families. The lowest number of insured families in Jericho and Al-Aghwar governorate reached 7,018 families.

2.15.3 Types of Health Insurance

1. Compulsory Insurance

This type of insurance is shared by public sector employees, municipalities and retirees. The number of families participating in this insurance was 73,278 in West Bank. The return on this insurance was 63,114,786 NIS.

2. Voluntary Insurance

The number of families participating in this insurance was 2,550 in West Bank, and the return on this insurance was 1,458,610 NIS.

3. Insurance of workers within the Green Line (Workers in Israel)

The number of families benefiting from this insurance was 59,203 families in West Bank, and the return of this insurance was 79,188,663 NIS.

4. Group Insurance (Group Contracts)

The number of families participating in this insurance was 88,455 families in West Bank, and the cash yield from this insurance was 56,714,957 NIS.

5. Insurance of Social Development

The number of families participating in this insurance was 46,057 in West Bank, and the return on this insurance was 26,477,150 NIS.

6. Prisoners Insurance

The number of insured prisoners and their families in this insurance was 21,095 in West Bank, and the return of this insurance was 11,687,050 NIS.

8. Free Insurance

The number of free insured and their families in this insurance was 18,861 in West Bank.

2.16 Pharmacy in Palestine

The national pharmaceutical policy comprises an integral part of the health policy, accordingly the main objectives of the national pharmaceutical policy are based on equity and sustainability in the pharmaceutical field, through pharmaceutical quality assurance which verifies the quality, safety and effectiveness of all medicines in addition to medical herbs and dietary supplements, equitable provision and ability to afford costs of medicines, rational use of medicine and encouraging the national pharmaceutical industries in order to develop their activities.

Table (11) Distribution of Expenditure of Medicines & Medical Consumables from Central Medical Stores (in NIS), MoH , Palestine 2016- 2018

Year	Medicines, Vaccines & Lab Materials	Medical Consumables	Total
2016	270,689,662	40,363,896	311,053,558
2017	255,941,647	33,849,957	289,791,604
2018	301,315,797	64,532,295	365,848,092

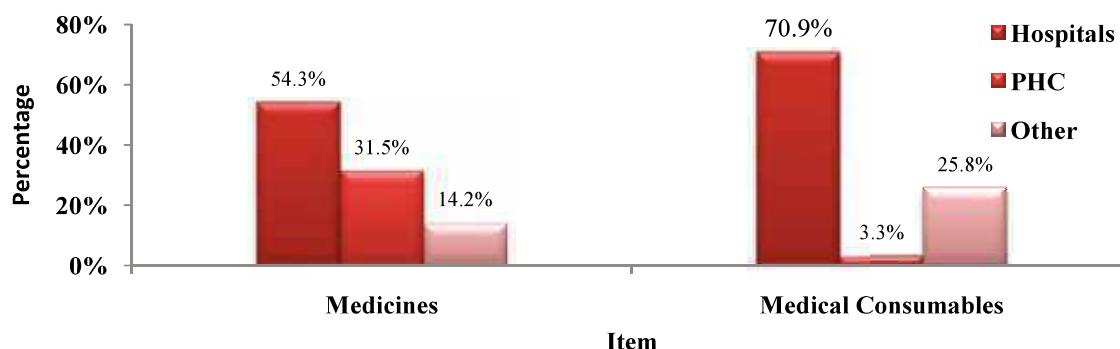
2.16.1 Essential Medicine Complementary and Basic Medical Tasks List

In 2018, the list of essential medicine in circulation included 473 active pharmaceutical ingredient represented as 526 essential items and 46 complementary items of all pharmaceutical forms and compositions, categorized according to WHO essential medicine list and as required by the services provided by Ministry of Health ,while the list of basic medical tasks consists of 1,600 items.

Table (12) Distribution of Expenditure of Medicines & Medical Consumables from Drug Stores (in NIS) by Consumer Site, MoH, Palestine 2018

Site	Hospitals	PHC	Other	Total
Medicines	163,664,232	94,962,482	42,689,083	301,315,797
Medical Consumables	45,723,794	2,147,800	16,660,702	64,532,296

Graph (52) Proportional of Outgoing Medicines & Medical Consumables from Drug Store by NIS & Consumers, MoH, Palestine 2018



2.16.2 Registration and Re-Registration Pharmaceutical Products

Medical Registration is including registration of human and veterinary medicines, registration of food supplements, medicinal herbs, cosmetics, medical instruments and materials. In 2018, registration certificates have been issued for 285 human medicines, 18 veterinary medicines, 747 cosmetic preparations, 38 food supplements and 94 medical instruments and materials. also re-registration were issued for 272 human medicines, 32 veterinary medications, 173 cosmetic preparations, 11 medical instruments and materials, in addition to 54 free sales certificates for human medicines and 115 certificates of pharmaceutical products (CPP) were approved.

2.16.3 Medicine Pricing and Repricing

In 2018, the number of local medicines which were priced was 33 while the number of imported medicines was 134, the number of local and imported medicines whose price has been updated reached 6,025 medical items categorized in 27 lists, The price of 52 local and imported medication has been reduced since the beginning of 2018, adding to 37 local medical items were priced for exportation.

2.16.4 Medications and Cosmetics test

The number of medications sample tested in 2018 reached 973, in which 925 sample pass, which is % 95.1 from all samples, 48 samples failed the test, which % 4.9.

On the hand the number of cosmetics were tested in 2018 were 975 samples, in which 917 samples passed, which is% 94.1 from all samples, 58 samples failed the test, which is %5.9.

2.16.5 Import and Local Purchase Permissions

During the year 2018,the number of dangerous drug purchase permits was 434 permission, , while, the number of import licenses for raw materials was 935 permissions, in addition to 1,062 import licenses for cosmetics were issued, plus the approval of 1,337 import permits

for unregistered medicines for hospitals, 401 marketing permits for un registered medicines, 210 release by mail & gates, and 320 miscellaneous permits.

2.16.6 Proceedings against Violators

In 2018, the number of pharmacists who were transferred to the Disciplinary Council was 146 pharmacists, and a recommendation was made to close one pharmacy.

The number of detecting and confiscation procedures was 113 while the number of detecting and reservations procedures was 229.

2.16.7 Human Resources of Pharmaceutical Sector

1. Pharmacists and Assistant pharmacists who Practicing Profession

In 2018, the number of pharmacists who Practicing Pharmacy profession in West Bank reached 4,810 pharmacists with a rate of 16.5 pharmacist per 10,000 populations.

Table (13) Pharmacists Rate per 10,000 Populations by Governorate, West Bank, Palestine 2018

Governorate	Pharmacists	Population	Pharmacists\ 10,000 Of Pop.
Jenin	409	318,629	12.8
Tubas	55	61,745	8.9
Tulkarm	448	188,465	23.8
Nablus	1,043	392,407	26.6
Qalqiliya	174	113,915	15.3
Salfit	109	76,568	14.2
Ramallah & Al Bireh	759	333,194	22.8
Jericho & Al Aghwar	47	50,481	9.3
Jerusalem	614	441,585	13.9
Bethlehem	369	220,227	16.8
Hebron	783	723,954	10.8
Total	4,810	2,921,170	16.5

2. Pharmaceutical Human Resources in MoH

In 2018, there are 1,081 pharmacists working in the Ministry of Health in Palestine, of which 460 work in the West Bank and the remaining 621 work in the Gaza Strip.