

## 20. HEALTH

*Health deals with private hospitals statistics, Ministry of Public Health (MOPH) subsidized hospital admissions, HIV/AIDS, immunization, disease cases reported to MOPH, morbidity indicators, and MOPH budget.*

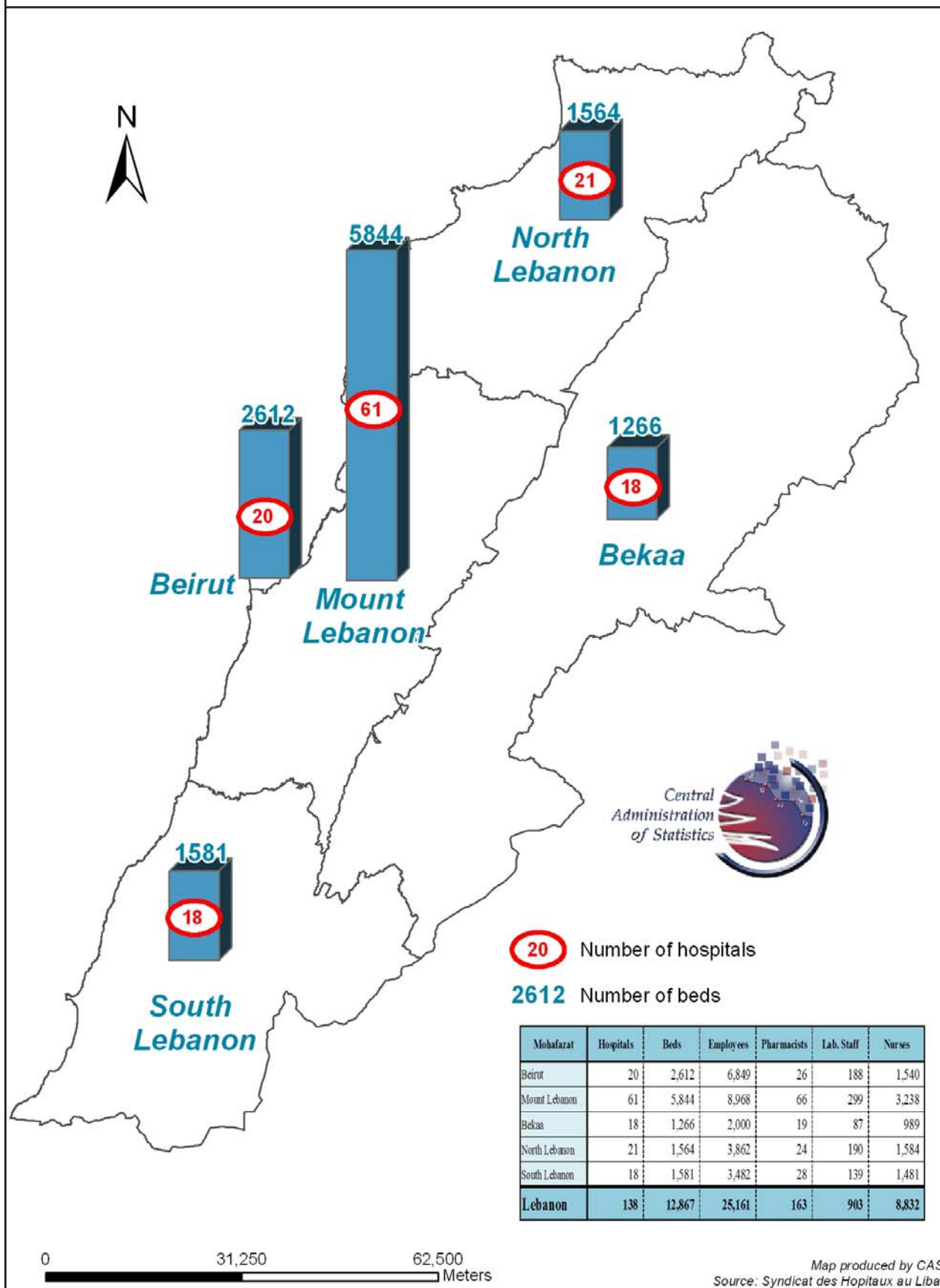
Health in 2009:

- Private hospitals: 138 hospitals.
- Beds: 12, 867 beds.
- MOPH subsidized hospital admissions: 261,665 admissions.
- HIV/AIDS incidence in Lebanon:
  - In 2009: 97 cases.
  - Till end of 2009: 1,271 cases.
- Routine immunization coverage rates by caza:
  - OPV3: 93.0%.
  - DPT3: 93.0%.
  - MCV1: 93%.
- Notifiable disease cases reported to MOPH:
  - Vaccine preventable diseases: 481 cases.
  - Food and water borne diseases: 1,990 cases.
  - Other diseases: 367 cases.
- Most reported morbidity indicators:
  - Malaria: 47 cases.
  - Measles: 23 cases.
  - AIDS: 23 cases.
  - MOPH total budget: 439,747,598,000 LBP.

### **Private hospitals statistics**

There are 138 private hospitals in 2009.

## Capacity of Private Hospitals by Mohafazat in 2009



## MOPH Subsidized hospitals admissions

There are 261,665 hospitalized diagnoses in 2009.

### *Category of diagnosis and sex*

Among the 261,665 hospitalized cases, 55.1% are females.

**Table 20.2 – Categories of diagnosis and sex in 2009**

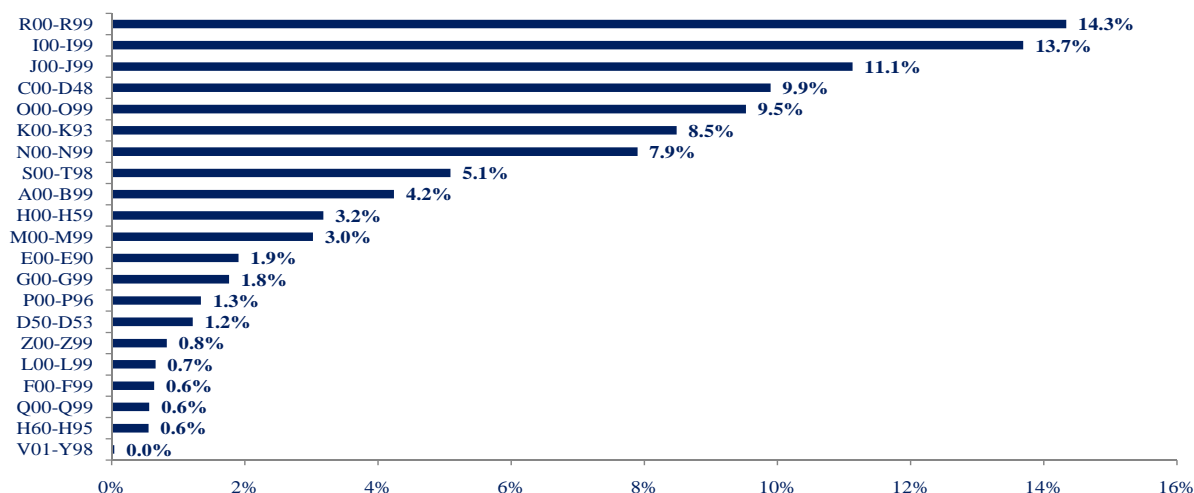
Code	Description	Number	% of total admissions	Females. % of description	Peak disease. % of description
A00-B99	Certain infections and parasitic diseases	11,096	4.2	46.5	A00-A09 – Intestinal infectious diseases (89.6)
C00-D48	Neoplasm	25,897	9.9	57.7	C00-C97 – Malignant neoplasms (87.9)
D50-D53	Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	3,186	1.2	52.8	D60-D64 – Aplastic and other anaemias (38.4)
E00-E90	Endocrine, nutritional and metabolic diseases	4,984	1.9	63.2	E10-E14 – Diabetes mellitus (58.8)
F00-F99	Mental and behavioral disorders	1,664	0.6	39.8	F20-F29 – Schizophrenia, schizotypal and delusional disorders (52.2)
G00-G99	Diseases of the nervous system	4,609	1.8	52.7	G40-G47 – Episodic and paroxysmal disorders (35.5)
H00-H59	Diseases of the eye and adnexa	8,317	3.2	54.5	H25-H28 – Disorders of lens (76.3)
H60-H95	Diseases of the ear and mastoid process	1,446	0.6	50.7	H65-H75 – Diseases of middle ear and mastoid (65.5)
I00-I99	Diseases of the circulatory system	35,831	13.7	46.6	I20-I25 – Ischaemic heart diseases (48.1)
J00-J99	Diseases of the respiratory system	29,118	11.1	46.2	J09-J18 – Influenza and pneumonia (37.4)
K00-K93	Diseases of the digestive system	22,199	8.5	47.5	K40-K46 – Hernia (25.8)
L00-L99	Diseases of the skin and subcutaneous tissue	1,725	0.7	40.2	L00-L08 – Infections of the skin and subcutaneous tissue (63.5)
M00-M99	Diseases of the musculoskeletal system and connective tissue	7,913	3.0	56.2	M00-M25 – Arthropathies (38.1)
N00-N99	Diseases of the genitourinary system	20,668	7.9	56.0	N20-N23 – Urolithiasis (32.2)
O00-O99	Pregnancy, childbirth and the puerperium	24,924	9.5	100.0	O80-O84 – Delivery (90.5)
P00-P96	Certain conditions originating in the perinatal period	3,513	1.3	44.3	P20-P29 – Respiratory and cardiovascular disorders specific to the perinatal period (49.4)
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	1,481	0.6	33.8	Q50-Q56 – Congenital malformations of genital organs (32.3)
R00-R99	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	37,510	14.3	53.9	R10-R19 – Symptoms and signs involving the digestive system and abdomen (43.1)
S00-T98	Injury, poisoning and certain other consequences of external causes	13,314	5.1	38.8	S70-S79 – Injuries to the hip and thigh (15.4)
V01-Y98	External causes of morbidity and mortality	105	0.0	36.2	
Z00-Z99	Factors influencing health status and contact with health services	2,165	0.8	53.2	Z40-Z54 – Persons encountering health services for specific procedures and health care (57.9)
<b>Total</b>		<b>261,665</b>	<b>100.0</b>		

*Table made by CAS based on Ministry of Public Health data (2009)*

Peak of category of diagnosis:

- R00-R99 - Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified: 14.3%.

**Graph 20.1 – Category of diagnosis. % in 2009**



Graph made by CAS based on the Ministry of Public Health data (2009)

## HIV / AIDS

97 cases of HIV / AIDS are reported in 2009 and 1,271 cases till the end of 2009 in Lebanon.

**Table 20.3 – HIV / AIDS**

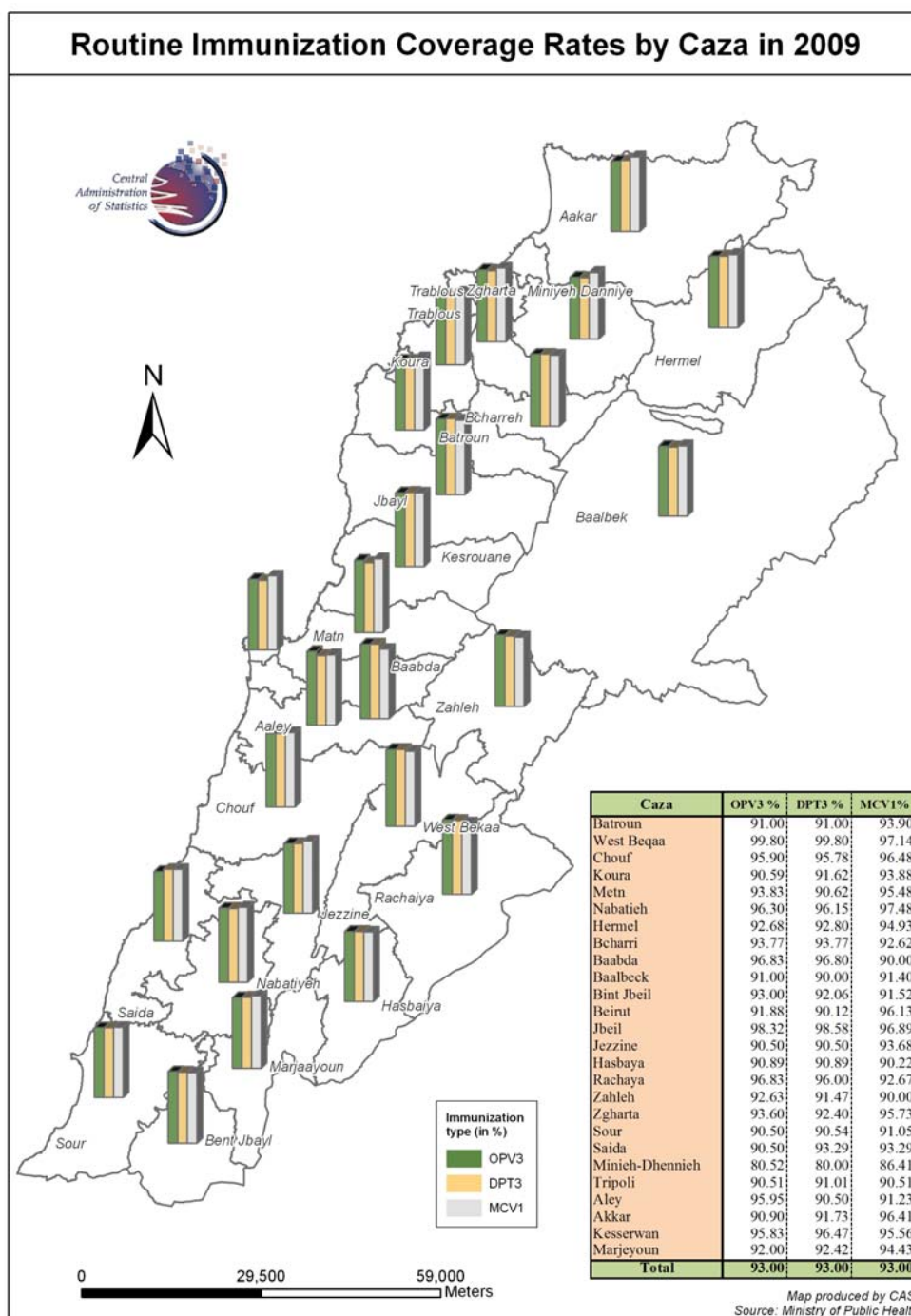
Reported cases in 2009		Reported cases till end of 2009	
Stage of the disease	%	Stage of the disease	%
HIV	76.3	HIV	63.6
AIDS	23.7	AIDS	36.3
Sex	%		%
Males	81.4	Females	82.0
Females	18.6	Males	18.0
Age group	%	Age group	%
< 30	30.8	< 30	31.3
31 - 50	48.4	31 - 50	41.7
> 51	19.6	> 51	27.0
Mode of transmission	%	Mode of transmission	%
Sexual	88.5	Sexual	43.0
Contaminated instrument	5.9	Unspecified / Missing	28.9
Perinatal	5.4	Contaminated instrument	14.0
		IDU	7.0
		Perinatal	6.8
		Blood transfusion	0.3
Sexual behavior	%	Sexual behavior	%
Heterosexual	53.3	Heterosexual	50.6
Homosexual	26.7	Not indicated	23.4
Not indicated	15.0	Homosexual	21.0
Bisexual	5.0	Bisexual	5.0
Recent travel history	%	Recent travel history	%
Yes	59.3	Yes	52.0
No	40.7	No	48.5
<b>Number of total cases</b>	<b>97</b>	<b>Number of total cases</b>	<b>1,271</b>

Table made by CAS based on Ministry of Public Health data (2009)

## Immunization

Immunization rates in percentage cover the OPV3, DPT3, and MCV1. 2009 witnessed the following:

- Total immunization rates:
  - OPV3: 93.0%.
  - DPT3: 93.0%.
  - MCV1: 93.0%.
- Peak immunization rate: West Beqaa:
  - OPV3: 99.8%.
  - DPT3: 99.8%.
  - MCV1: 97.1%.



## Notifiable disease cases reported to MOPH

In 2009, there are three types of notifiable diseases cases.

**Table 20.4 – Notifiable disease cases**

Category	Cases	Peak disease. % of total cases	Peak month. % of total cases
Vaccine preventable diseases	481	Viral hepatitis B (46.8)	April (19.1)
Food and water borne diseases	2,174	Viral hepatitis A (34.8)	July (15.0%)
Other diseases	391	Meningitis (64.7)	April (13.8)

*Table made by CAS based on Ministry of Public Health data (2009)*

### **Reported cases by age and sex**

In 2009, there are three types of notifiable diseases cases.

**Table 20.5 – Notifiable disease cases by age and sex**

Category	Cases	Peak disease. % of total cases	Peak age. % of total cases	Females. % of total cases
Vaccine preventable diseases	475	Viral hepatitis B (43.8)	0-4 years (27.6)	38.7
Food and water borne diseases	2,174	Viral hepatitis A (34.8)	10-19 years (25.3)	45.9
Other diseases	391	Meningitis (64.7)	0-4 years (25.3)	34.8

*Table made by CAS based on Ministry of Public Health data (2009)*

### **Reported cases by Mohafzat**

In 2009, there are three types of notifiable diseases cases.

**Table 20.6 – Notifiable disease cases by age and sex**

Category	Cases	Peak disease. % of total cases	Peak Mohafzat. % of total cases
Vaccine preventable diseases	475	Viral hepatitis B (43.8)	North Lebanon (28.2)
Food and water borne diseases	2,174	Viral hepatitis A (34.8)	Mount-Lebanon (35.8)
Other diseases	391	Meningitis (64.7)	Mount-Lebanon (41.4)

*Table made by CAS based on Ministry of Public Health data (2009)*

## Selected morbidity indicators

MOPH takes into account five morbidity indicators for the period 2004-2009.

**Table 20.7 – Selected morbidity indicators**

Indicator	Cases in 2004	Cases in 2009	Change between 2004-2009. %
Malaria	68	47	(30.9)
Measles	261	23	(91.2)
AIDS	23	23	0.0%
Tetanus	1	2	100.0%
Neonatal tetanus	0	1	100.0%

*Table made by CAS based on Ministry of Public Health data (2009)*

## MOPH itemized budget

MOPH itemized budget is studied for the period 2005-2009.

**Table 20.8 – MOPH itemized budget**

1,000 LBP						
Item	2005	2006	2007	2008	2009	Change between 2005-2009. %
Hospitalization in private sector	241,357	238,875,000	25,000,000	256,000,000	305,000,000	126,269
Publics hospitals	20,000,000	12,054,000	15,000,000	15,000,000	12,000,000	(40)
Drugs	44,880,000	48,000,000	50,000,000	52,500,000	66,000,000	47
Contributions to NGOs	10,893,000	13,417,770	12,617,770	12,817,770	12,817,770	18
Salaries and other employees' benefits	24,730,000	24,535,092	24,173,000	24,052,860	27,522,100	11
Other expenses	8,644,000	9,189,638	7,950,800	11,047,403	13,936,228	61
Central laboratory (part 1)	1,198,000	1,145,500	990,100	992,192	948,500	(21)
Part Two (Central laboratory and MOPH)	8,598,000	1,572,000	900,000	1,507,000	1,523,000	(82)
<b>Total budget of MOPH</b>	<b>360,300,000</b>	<b>348,789,000</b>	<b>361,631,670</b>	<b>373,917,225</b>	<b>439,747,598</b>	<b>22</b>
<b>Total government budget</b>	<b>10,000,000</b>	<b>11,195,000,000</b>	<b>11,840,000,000</b>	<b>11,475,000,000</b>	<b>16,304,000,000</b>	<b>162,940</b>
<b>Government debt</b>	<b>3,900,000,000</b>	<b>4,653,000,000</b>	<b>4,900,000,000</b>	<b>4,650,000,000</b>	<b>6,441,000,000</b>	<b>65</b>
<b>Total government budget excluding debts</b>	<b>6,100,000,000</b>	<b>6,542,000,000</b>	<b>6,940,000,000</b>	<b>6,825,000,000</b>	<b>9,863,000,000</b>	<b>62</b>
Ministry of Public Health Budget out of total government budget (with debt). %	3.60	3.12	3.05	3.26	2.70	
Ministry of Public Health Budget out of total government budget (without debt). %	5.91	5.33	5.21	5.48	4.46	

*Table made by CAS based on Ministry of Public Health data (2009)*

The most obvious characteristics of this table are the following:

- Hospitalization in private sector increased 126,269 % between 2005 and 2009.
- Public hospitals budget decreased 40% between 2005 and 2009.
- Drugs increased 47% between 2005 and 2009.
- Other expenses increased 61% between 2005 and 2009.
- Part Two (Central Laboratory and MOPH) decreased 82% between 2005 and 2009.
- MOPH total budget increased 22% between 2005 and 2009.