# 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 2010:

* Total hospitals: 162.
	+ Private hospitals: 85.2% of total hospitals.
	+ Public hospitals: 14.8% of total hospitals.
* Admissions in hospitals: 229,529 admissions.
	+ Private hospitals: 70.8% of total admissions.
	+ Public hospitals: 29.2% of total admissions.
* HIV/AIDS incidence in Lebanon:
	+ Till November 2010: 1,271 cases.
* Routine immunization coverage rates by caza:
	+ OPV3: 94.0%.
	+ Population hospitalized among eligible population by Caza: 8.0%.
	+ Breast cancer out of total female neoplasm by Caza: 38.3%.
* Notifiable disease cases reported to MOPH:
	+ Vaccine preventable diseases: 345 cases.
	+ Food and water borne diseases: 1,967 cases.
	+ Other diseases: 403 cases.
* Most reported morbidity indicators:
	+ Malaria: 66 cases.
	+ Measles: 11 cases.
	+ AIDS: 21 cases.
	+ MOPH total budget: 486,658,209,000 LBP.

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**MOPH Subsidized hospitals admissions**

There are 229,529 hospitalized diagnoses in 2010.

MOPH subsidized hospitals admissions in 2010: 267,860:

***Category of diagnosis and sex***

Among the 267,860 hospitalized cases, 55.2% are females.

**Table 20.1 – Categories of diagnosis and sex in 2010**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code** | **Description** | **Number** | **% of total admissions** | **Females. % of description**  | **Peak disease. % of description** |
| A00-B99 | Certain infections and parasitic diseases |  **11,292**  | 4.2 | 46.9 | A00-A09 – Intestinal infectious diseases (90.5) |
| C00-D48 | Neoplasm |  **25,803**  | 9.6 | 59.1 | C00-C97 – Malignant neoplasms (88.3) |
| D50-D53 | Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism |  **3,298**  | 1.2 | 53.2 | D60-D64 – Aplastic and other anaemias (41.8) |
| E00-E90 | Endocrine, nutritional and metabolic diseases |  **5,511**  | 2.1 | 63.2 | E10-E14 – Diabetes mellitus (60.4) |
| F00-F99 | Mental and behavioral disorders |  **1,647**  | 0.6 | 41.8 | F20-F29 – Schizophrenia, schizotypal and delusional disorders (54.9) |
| G00-G99 | Diseases of the nervous system |  **4,298**  | 1.6 | 50.5 | G40-G47 – Episodic and paroxysmal disorders (37.6) |
| H00-H59 | Diseases of the eye and adnexa |  **8,001**  | 3.0 | 54.3 | H25-H28 – Disorders of lens (76.4) |
| H60-H95 | Diseases of the ear and mastoid process |  **1,572**  | 0.6 | 49.7 | H65-H75 – Diseases of middle ear and mastoid (63.5) |
| I00-I99 | Diseases of the circulatory system |  **37,476**  | 14.0 | 46.8 | I20-I25 – Ischaemic heart diseases (47.6) |
| J00-J99 | Diseases of the respiratory system |  **27,834**  | 10.4 | 46.4 | J09-J18 – Influenza and pneumonia (36.1) |
| K00-K93 | Diseases of the digestive system |  **21,638**  | 8.1 | 47.7 | K40-K46 – Hernia (25.6) |
| L00-L99 | Diseases of the skin and subcutaneous tissue |  **1,840**  | 0.7 | 41.8 | L00-L08 – Infections of the skin and subcutaneous tissue (66.3) |
| M00-M99 | Diseases of the musculoskeletal system and connective tissue |  **8,457**  | 3.2 | 58.1 | M00-M25 – Arthropathies (38.3) |
| N00-N99 | Diseases of the genitourinary system | **21,902**  | 8.2 | 55.3 | N20-N23 – Urolithiasis (33.0) |
| O00-O99 | Pregnancy, childbirth and the puerperium | **24,350**  | 9.1 | 100.0 | O80-O84 – Delivery (91.3) |
| P00-P96 | Certain conditions originating in the perinatal period |  **3,652**  | 1.4 | 41.6 | P20-P29 – Respiratory and cardiovascular disorders specific to the perinatal period (52.2) |
| Q00-Q99 | Congenital malformations, deformations and chromosomal abnormalities |  **1,565**  | 0.6 | 32.7 | Q50-Q56 – Congenital malformations of genital organs (32.3) |
| R00-R99 | Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified |  **41,203**  | 15.4 | 54.5 | R10-R19 – Symptoms and signs involving the digestive system and abdomen (42.8) |
| S00-T98 | Injury, poisoning and certain other consequences of external causes |  **14,119**  | 5.3 | 38.4 | T00-T07 – Injuries involving multiple body regions (14.1) |
| V01-Y98 | External causes of morbidity and mortality |  **162**  | 0.1 | 32.1 |  |
| Z00-Z99 | Factors influencing health status and contact with health services |  **2,240**  | 0.8 | 53.0 | Z40-Z54 – Persons encountering health services for specific procedures and health care (62.1) |
| **Total** |  |  **267,860**  | **100.0** | **55.2** |  |

*Table made by CAS based on Ministry of Public Health data (2010)*

Peak of category of diagnosis:

* R00-R99 - Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified: 15.4%.



**HIV / AIDS**

21 cases of HIV / AIDS are reported in 2010 and 1,271 cases till Novmeber 2010 in Lebanon.

**Table 20.2 – HIV / AIDS**

|  |
| --- |
| **Reported cases till November 2010** |
| **Stage of the disease** |
| HIV | 42.0% |
| AIDS | 23.0% |
| Not specified | 23.0% |
| **Sex** |
| Females | 11.0% |
| Males | 89.0% |
| **Age group** |
| < 30 | 18.0% |
| 31 - 50 | 30.0% |
| > 51 | 17.0% |
| Not specified | 35.0% |
| **Mode of transmission** |
| Sexual | 76.3% |
| Unspecified / Missing | 23.5% |
| **Sexual behavior** |
| Homosexual | 19.4% |
| Bisexual | 16.1% |
| Heterosexual | 20.4% |
| Not specified | 44.0% |
| **Recent travel history** |
| Yes | 29.0% |
| No | 71.0% |
| **Total cases** |  **1,271**  |

*Table made by CAS based on Ministry of Public Health data (2010)*

**Notifiable disease cases reported to MOPH**

In 2010, there are three types of notifiable diseases cases.

**Table 20.3 – Notifiable disease cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Cases** | **Peak disease. % of total cases** | **Peak month. % of total cases** |
| Vaccine preventable diseases | 345 | Viral hepatitis B (70.7) | April (11.3) |
| Food and water borne diseases | 1,967 | Typhoid fever (29.1) | August (19.6%) |
| Other diseases | 403 | Meningits (45.3) | April (11.7) |

*Table made by CAS based on Ministry of Public Health data (2010)*

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

In 2010, there are three types of notifiable diseases cases.

**Table 20.4 – Notifiable disease cases by age and sex**

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Cases** | **Peak age. % of total cases** | **Females. % of total cases** |
| Vaccine preventable diseases | 345 | 20-39 years (32.8) | 34.2 |
| Food and water borne diseases | 1,967 | 20-39 years (26.6) | 48.2 |
| Other diseases | 403 | 20-39 years (24.3) | 35.2 |

*Table made by CAS based on Ministry of Public Health data (2010)*

***Reported cases by Mohafzat***

In 2010, there are three types of notifiable diseases cases.

**Table 20.4 – Notifiable disease cases by age and sex**

|  |  |  |
| --- | --- | --- |
| **Category** | **Cases** | **Peak Mohafzat. % of total cases** |
| Vaccine preventable diseases | 475 | Mount- Lebanon (29.0) |
| Food and water borne diseases | 2,174 | Mount-Lebanon (40.5) |
| Other diseases | 391 | Mount-Lebanon (32.3) |

*Table made by CAS based on Ministry of Public Health data (2010)*

**Selected morbidity indicators**

MOPH takes into account five morbidity indicators for the period 2004-2010.

**Table 20.5 – Selected morbidity indicators**

|  |  |  |  |
| --- | --- | --- | --- |
| **Indicator** | **Cases in 2004** | **Cases in 2010** | **Change between 2004-2010. %** |
| Malaria | 68 | 66 | (2.9) |
| Measles | 261 | 11 | (95.8) |
| AIDS | 23 | 21 | (8.7) |
| Tetanus | 1 | 2 | 100.0 |

*Table made by CAS based on Ministry of Public Health data (2010)*

**MOPH itemized budget**

MOPH itemized budget is studied for the period 2005-2010.

**Table 20.6 – MOPH itemized budget. 1,000 LBP**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **2005** | **2006** | **2007** | **2008** | **2009** | **2010** | **Change between 2005-2010. %** |
| Hospitalization in private sector | 241,357 | 238,875,000 | 25,000,000 | 256,000,000 | 305,000,000 |  320,000,000  | 132,484 |
| Publics hospitals | 20,000,000 | 12,054,000 | 15,000,000 | 15,000,000 | 12,000,000 |  12,000,000  | (40) |
| Drugs | 44,880,000 | 48,000,000 | 50,000,000 | 52,500,000 | 66,000,000 |  91,000,000  | 103 |
| Contributions to NGOs | 10,893,000 | 13,417,770 | 12,617,770 | 12,817,770 | 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 |  27,472,900  | 11 |
| Other expenses | 8,644,000 | 9,189,638 | 7,950,800 | 11,047,403 | 13,936,228 |  18,593,039  | 115 |
| Central laboratory (part 1) | 1,198,000 | 1,145,500 | 990,100 | 992,192 | 948,500 |  977,500  | (18) |
| Part Two (Central laboratory and MOPH) | 8,598,000 | 1,572,000 | 900,000 | 1,507,000 | 1,523,000 |  3,797,000  | (56) |
| Total budget of MOPH | 360,300,000 | 348,789,000 | 361,631,670 | 373,917,225 | 439,747,598 |  486,658,209  | 35 |
| Total government budget | 10,000,000 | 11,195,000,000 | 11,840,000,000 | 11,475,000,000 | 16,304,000,000 |  19,537,600,000  | 195,276 |
| Government debt | 3,900,000,000 | 4,653,000,000 | 4,900,000,000 | 4,650,000,000 | 6,441,000,000 |  6,860,120,314  | 76 |
| Total government budget excluding debts | 6,100,000,000 | 6,542,000,000 | 6,940,000,000 | 6,825,000,000 | 9,863,000,000 |  12,677,479,686  | 108 |
| Ministry of Public Health Budget out of total government budget (with debt). % | 3.60 | 3.12 | 3.05 | 3.26 | 2.70 |  2.49  |  |
| Ministry of Public Health Budget out of total government budget (without debt). % | 5.91 | 5.33 | 5.21 | 5.48 | 4.46 |  3.84  |  |

*Table made by CAS based on Ministry of Public Health data (2010)*

The most obvious characteristics of this table are the following:

* Hospitalization in private sector increased 132,484 % between 2005 and 2010.
* Public hospitals budget decreased 40% between 2005 and 2010.
* Drugs increased 103% between 2005 and 2010.
* Other expenses increased 115% between 2005 and 2010.
* Part Two (Central Laboratory and MOPH) decreased 56% between 2005 and 2010.
* MOPH total budget increased 35% between 2005 and 2010.