مقدمة

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وزير الصحة العامة

د. محمد جواد خليفة

الجمهورية اللبنانية
الوزير
وزارة الصحة العامة

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Head of Statistics Department

Hilda Harb

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Table 1: Selected Health Indicators of Lebanon, 2004-2008

	Unit	2004	2005	2006	2007	2008	Latest figures (year)
Demographic Indicators							
Population Estimate*	1000 citizens	3755	3811	3867	3928	3993	3993 (2008)
Number of Births		73673	73770	76464	81552	85261	85261 (2008)
Number of Deaths		17774	18012	19965	21033	20288	20288 (2008)
Crude Birth Rate	per 1000 mid year pop	16.9	19.4	19.8	20.8	21.35	20.8 (2008)
Crude Death Rate	per 1000 mid year pop	4.1	4.7	5.2	5.3	5.08	5.3 (2008)
Population Growth Rate		1.58	1.47	1.46	1.54	1.63	1.63 (2008)
Population by Age							
< 15	percent	27.3		27.2	27.2	24.6	24.6 (2007)
65+	percent	7.4		7.7	7.7	9.6	9.6 (2007)
Dependency ratio		53.3		53.6	53.6	52	52 (2007)
Unemployment Ratio		9.2					9.2 (2004)
Total Fertility Rate		1.9					1.9 (2004)
Budgetary Resources Indicators							
Allocated to MOH from Total Gov Budget	percent	3.67	3.6	3.12	3.05	3.26	3.26 (2008)
Annual Budget of MOH	Billion Leb. Pounds	344.1	360.3	348.8	361.6	373.9	373.9 (2008)
Annual Budget of MOH per capita	in $US	52.5	63.3	60.1	61.1	62.1	62.1 (2008)
National Health Expenditure per capita	in $US	456	460				460 (2005)
National Health Expenditure as % GDP	percent	8.8	8.3				8.3 (2005)
Manpower and Physical Resource Indicators	**per 10,000 population**						
Physicians		27.5	27.4	28.4	28.5		n=11186 (2007)
Dentists		10.2	10.1	9.8	10.9		n=4200 (2007)
Pharmacists		9.8	11.5	13.8	12.1		n=4667 (2007)
Nursing and Midwifery Personnel			16.1	13.2	17.9		n=6931 (2007)
Hospital Beds			36	36	35		n= 13500 (2007)
Coverage with Primary Health Care Indicators							
Infants Fully Immunized-DPT	Percent Immunized	45.3		46	52	93	93 (2008)
Infants Fully Immunized-OPV	Percent Immunized	45.3		46	52	94	94 (2008)
Infants Fully Immunized-Measles	Percent Immunized	63.3		48.5	55	89	89 (2008)
Infants Fully Immunized-Hepatitis B	Percent Immunized	50.6		46	52	93	94 (2008)
Population with Access to Safe Drinking Water	percent	100					100 (2004)
Married Women Using Contraceptives	percent	58					58 (2004)
Health Status Indicators							
Infant Mortality Rate	per 1000 LB	18.6					18.6 (2004)
Less than five mortality rate	per 1000 LB	19.1					19.1(2004)
Maternal Mortality Ratio	per 100,000 LB	86.3					86.3 (2004)
Selected Morbidity Indicators	**Number of Notified Cases**						
Cholera		0	0	0	0	0	0
Polio		0	0	0	0	0	0
Measles		261	644	905	374	24	374
Pulmonary TB		238	131	120	264	199	264
Diphteria		0	0	0	0	0	0
Tetanus		1	3	0	3	2	3
Neonatal Tetanus		0	0	0	2	0	2
Malaria		68	57	23	40	39	40
AIDS		23	24	12	50	35	50

Sources of Information

Household Survey 2004, MOSA/CAS	PapFam 2004, MOSA/CAS
Household Survey, 2007, MOSA/CAS	
MOPH figures, *Only in public sector	National Vaccination figures (Public and private)
Estimated Population from the 2004 Household survey(CAS)in addition to Registered Births and Deaths at Dept of Statistics	
Baseline Growth Rate taken From CAS 1997 with a decrement every 5 years	NHA 2004-2005
Epidemiological Surveilance Unit / NAP (National AIDS Program) / TB Prevention Program	Syndicates' figures
TB Prevention Programme	Government Budget ارقام الموازنة العامة

* Excluding Palestenian Camps.

Table 2: MOPH Itemized Budget for the Past Three Years (Thousands LBP*)

موازنة وزارة الصحة العامة بحسب بنودها للثلاث سنوات الأخيرة (آلاف الليرات اللبنانية)

	2008	2007	2006	
Hospitalization in private sector	256,000,000	250,000,000	238,875,000	نفقات استشفاء في القطاع الخاص
Public Hopsitals	15,000,000	15,000,000	12,054,000	مستشفيات حكومية
Drugs	52,500,000	50,000,000	48,000,000	ادوية
Contributions to NGOs	12,817,770	12,617,770	13,417,770	مساهمات للقطاع غير الحكومي
Salaries and other employees' benefits	24,052,860	24,173,000	24,535,092	المخصصات والرواتب والأجور
Other Expenses	11,047,403	7,950,800	9,189,638	نفقات اخرى
Central Laboratory (Part One)	992,192	990,100	1,145,500	المختبر المركزي جزء أول
Part Two (Central Lab+MOPH)	1,507,000	900,000	1,572,000	الجزء الثاني (وزارة الصحة + المختبر المركزي)
Total MOPH Budget	373,917,225	361,631,670	348,789,000	مجموع موازنة وزارة الصحة العامة
Total Government Budget	11,475,000,000	11,840,000,000	11,195,000,000	مجموع الموازنة العامة
Government Debt	4,650,000,000	4,900,000,000	4,653,000,000	ديون متوجبة الأداء
Total Government Budget Excluding Debt	6,825,000,000	6,940,000,000	6,542,000,000	مجموع الموازنة العامة بدون الديون المتوجبة
MOPH Budget out of Total Government Budget (with debt)	3.26	3.05	3.12	نسبة موازنة وزارة الصحة الى الموازنة العامة/مع خدمة الدين
MOPH Budget out of Total Government Budget (without debt)	5.48	5.21	5.33	نسبة موازنة وزارة الصحة الى الموازنة العامة/ بدون خدمة الدين

Source: Government Budget 2006, 2007, 2008

المصدر: الموازنة العامة، 2006-2007-2008

* One USD = 1,507.5 LBP

The MOPH budget continues to be around 3% of the Total Government Budget with its being partitioned majorly between hospital medical care of more than 72% and drug procurement of 14% with a slight increase of 1% from last year's budget.

There was registered and reported 85,261 births in Lebanon during the year 2008, with the highest number of births being reported in Beirut (8674) followed by Akkar (8608), Saida (8553) then Baalback (7710) and the lowest number being reported in Bcharri (655). It is worth mentioning that from the 85,261 births registered in 2008, only 68,613 occurred in 2008, with a delay in reporting of around 19% which might be mostly caused by births occurring outside Lebanon.

Table 3: Number of Registered Births By Month and Qada, 2008

Qadaa	January	February	March	April	May	June	July	August	September	October	November	December	Total
Akkar	908	732	805	686	699	635	744	684	536	877	750	552	**8608**
Aley	179	162	132	159	136	195	271	226	164	192	118	179	**2113**
Baabda	168	146	190	157	144	162	187	256	158	170	164	152	**2054**
Baalback	635	641	677	671	625	650	692	753	650	628	590	498	**7710**
batroun	62	53	60	55	73	58	71	79	66	81	57	55	**770**
Bcharri	57	49	57	44	42	34	63	94	70	47	48	50	**655**
Beqaa gharbi	176	149	179	208	183	159	161	180	178	172	199	154	**2098**
bint jbeil	332	344	401	276	281	337	372	441	326	413	298	268	**4089**
Chouf	308	299	278	291	329	351	371	330	352	349	321	264	**3843**
Hasbaya	85	80	96	73	75	96	83	118	80	96	82	83	**1047**
Hermel	164	165	141	133	139	117	185	143	158	170	169	127	**1811**
Jbeil	134	107	124	108	118	137	130	146	118	156	128	105	**1511**
Jezzine	61	77	87	74	97	72	82	113	79	93	85	68	**988**
Kesserouan	102	105	98	110	112	117	142	132	126	128	95	114	**1381**
Koura	48	53	39	69	59	58	84	85	59	73	62	46	**735**
Marje3yon	263	213	278	277	209	271	280	368	288	271	750	192	**3660**
menieh-dennieh	371	257	345	265	249	252	279	313	316	328	242	233	**3450**
Metn	213	168	193	177	144	160	164	183	183	199	136	119	**2039**
Nabatieh	290	375	287	181	266	214	290	303	253	96	220	246	**3021**
Rachaya	75	54	53	85	86	99	70	83	68	97	58	67	**895**
Saida	696	696	741	577	630	715	750	880	744	918	689	517	**8553**
Sour	434	387	456	420	434	354	454	569	633	412	493	383	**5429**
Tripoli	562	466	414	472	375	391	427	527	491	495	488	332	**5440**
Zahle	320	320	284	267	280	296	378	385	345	303	295	216	**3689**
Zgharta	71	62	83	49	93	46	118	94	145	92	81	64	**998**
Beirut	737	612	684	627	696	597	955	915	661	810	715	665	**8674**
Total	**7451**	**6772**	**7182**	**6511**	**6574**	**6573**	**7803**	**8400**	**7247**	**7666**	**7333**	**5749**	**85261**

Table 4: Number of Registered Deaths By Month and Qada, 2008

Qadaa	January	February	March	April	May	June	July	August	September	October	November	December	Total
Akkar	154	127	134	97	154	85	146	109	108	152	150	81	**1497**
Aley	67	92	73	58	71	71	72	69	73	65	84	64	**859**
Baabda	64	61	73	79	54	66	47	56	66	64	48	59	**737**
Baalback	25	0	0	25	21	29	9	28	32	118	108	105	**500**
batroun	46	39	41	26	28	31	24	33	32	22	29	26	**377**
Bcharri	23	29	18	27	27	34	14	20	25	21	21	17	**276**
Beqaa gharbi	39	42	49	54	39	21	36	36	39	31	43	36	**465**
bint jbeil	59	68	61	61	43	65	59	70	41	63	70	57	**717**
Chouf	102	128	91	105	101	93	95	99	81	93	97	118	**1203**
Hasbaya	22	28	26	13	17	15	18	19	12	19	19	24	**232**
Hermel	27	18	21	19	13	20	12	8	8	16	16	10	**188**
Jbeil	55	54	46	46	40	41	42	33	42	40	37	41	**517**
Jezzine	23	43	39	34	35	32	33	39	36	25	34	35	**408**
Kesserouan	75	62	43	57	51	57	61	40	69	57	50	69	**691**
Koura	29	28	25	36	31	27	22	23	30	24	30	21	**326**
Marje3yon	35	53	33	40	40	53	37	50	44	45	150	40	**620**
menieh-dennieh	68	48	61	49	49	56	60	45	31	54	35	49	**605**
Metn	103	116	114	102	93	70	99	90	89	89	99	103	**1167**
Nabatieh	33	46	52	44	47	37	6	42	5	19	10	45	**386**
Rachaya	23	17	13	20	11	13	22	22	13	28	20	14	**216**
Saida	202	202	163	134	148	150	133	150	113	164	132	126	**1817**
Sour	63	103	100	75	64	69	83	79	74	76	73	77	**936**
Tripoli	122	114	56	81	75	86	76	100	99	74	84	80	**1047**
Zahle	87	97	88	86	86	73	82	98	76	94	82	79	**1028**
Zgharta	38	26	36	31	26	27	23	18	29	30	31	25	**340**
Beirut	298	257	274	218	206	206	225	243	210	360	340	296	**3133**
Total	**1882**	**1898**	**1730**	**1617**	**1570**	**1527**	**1536**	**1619**	**1477**	**1843**	**1892**	**1697**	**20288**

There was registered and reported 85,261 births in Lebanon during the year 2008, with the highest number of births being reported in Beirut (8674) followed by Akkar (8608), Saida (8553) then Baalback (7710) and the lowest number being reported in Bcharri (655). It is worth mentioning that from the 85,261 births registered in 2008, only 68,613 occurred in 2008, with a delay in reporting of around 19% which might be mostly caused by births occurring outside Lebanon.

This is the estimated number of children less than two years of age which might be used as baseline for calculating vaccination coverage rate. It is a direct estimate based on the actual reported numbers of births and deaths in each Qada, and assuming that they reside as per their qada of origin and experience the national infant and child mortality rates prevailing in that same period.

Table 5: Estimated Number of Children Less-Than-Two-Years of Age By Qada of Origin

Qadaa	Births 2006	surviving till beginning 2007*	Births 2007	Estimated number of Children <2 at beginning 2008**	Births 2008	Estimated Number of Children less than 2 years mid-year 2008	Estimated Number of Children less than 2 years at Beginning of 2009
Akkar	2250	2,208	7744	9766	8608	13803	16044
Aley	2049	2,011	2124	4057	2113	5016	4157
Baabda	1890	1,855	1908	3692	2054	4629	3887
Baalback	7679	7,536	7045	14306	7710	17816	14477
Batroun	989	971	815	1752	770	2096	1555
Bcharri	654	642	630	1248	655	1545	1261
Beqaa gharbi	2190	2,149	2057	4127	2098	5078	4077
Bint jbeil	3821	3,750	3854	7461	4089	9325	7793
Chouf	3704	3,635	3777	7272	3843	9019	7476
Hasbaya	1044	1,025	1016	2002	1047	2478	2024
Hermel	1656	1,625	1527	3093	1811	3922	3275
Jbeil	1489	1,461	1521	2926	1511	3612	2975
Jezzine	990	972	982	1917	988	2365	1933
Kesserouan	2067	2,029	1150	3118	1381	3737	2483
Koura	941	923	830	1720	735	2048	1535
Marja'yon	2798	2,746	3183	5817	3660	7502	6714
Menieh-dennieh	3609	3,542	3443	6853	3450	8415	6763
Metn	2155	2,115	2226	4259	2039	5178	4185
Nabatieh	3945	3,872	3918	7643	3021	8979	6808
Rachaya	4025	3,950	1047	4902	895	5248	1905
Saida	7016	6,886	8269	14869	8553	18782	16505
Sour	1621	1,591	5097	6563	5429	9101	10328
Tripoli	5755	5,648	5067	10513	5440	12981	10309
Zahle	3676	3,608	3401	6876	3689	8555	6956
Zgharta	916	899	932	1796	998	2252	1894
Beirut	7535	7,395	7989	15094	8674	19062	16349
Total	**76464**	75,042	**81552**	**153644**	**85261**	**192547**	**163670**

***Births after experiencing the Prevailing Infant Mortality Rate of that period (18.6 per 1000)**
****After experiencing the Child Mortality Rate (19.1 per 1000) and Infant Mortality Rate (18.6 per 1000) of that period.**

Table 6: Resident Population* Distribution By Mohafaza and Qada, 2004-2008

Mohafaza	Qaza	Population 2004	Population 2005	Population 2006	Population 2007	Population 2008	% Qada out of total population 2008
North	Akkar	226,752	230,119	233,546	240,044	247,155	6.19
	Minieh Danieh	112,303	113,971	115,668	118,490	121,335	3.04
	Tripoli	256,360	260,166	264,040	267,922	272,315	6.82
	Zgharta	56,868	57,712	58,572	59,141	59,799	1.50
	Koura	55,583	56,408	57,248	57,754	58,163	1.46
	Bchirreh	19,872	20,167	20,468	20,839	21,218	0.53
	Batroun	40,964	41,572	42,191	42,634	43,027	1.08
Total		768,702	780,116	791,732	806,823	823,011	21
Beqaa	Hermel	47,189	47,890	48,603	49,886	51,509	1.29
	Baalbeck	187,992	190,783	193,624	199,311	206,521	5.17
	Zahleh	141,358	143,457	145,593	147,837	150,498	3.77
	Rachaya	28,805	29,233	29,668	30,467	31,146	0.78
	West Beqaa	65,860	66,838	67,833	69,470	71,103	1.78
Total		471,205	478,202	485,322	496,972	510,778	12.79
Nabatieh	Nabatieh	99,487	100,964	102,468	105,787	108,422	2.72
	Hasbaya	21,000	21,312	21,629	22,387	23,202	0.58
	Marjayoun	44,239	44,895	45,564	48,172	51,212	1.28
	Bint Jbeil	57,119	57,967	58,830	62,019	65,391	1.64
Total		221,844	225,138	228,490	238,364	248,226	6.22
South	Saida	183,881	186,612	189,390	195,820	202,556	5.07
	Sour	194,622	197,512	200,453	204,635	209,128	5.24
	Jezzine	22,690	23,027	23,370	23,998	24,578	0.62
Total		401,193	407,151	413,213	424,453	436,262	10.93
Mount Lebanon	Jbeil	84,039	85,287	86,556	87,511	88,505	2.22
	Kesrouan	164,808	167,255	169,745	170,173	170,863	4.28
	Metn	483,783	490,967	498,278	499,333	500,205	12.53
	Baabda	483,973	491,159	498,472	499,667	500,984	12.55
	Aley	129,053	130,970	132,920	134,240	135,494	3.39
	Chouf	155,901	158,216	160,571	163,119	165,759	4.15
Total		1,501,556	1,523,853	1,546,543	1,554,044	1,561,811	39.11
Beirut	Beirut	390,499	396,298	402,199	407,362	412,903	10.34
Total		390,499	396,298	402,199	407,362	412,903	10.34
	TOTAL	3,755,000	3,810,758	3,867,500	3,928,019	3,992,992	100.00

Excluding Palestenian camps which count, according to UNRWA 2008 report, 422,188 persons

In 2008, there were estimated to be 3,992,992 persons residing in Lebanon. The highest percent of people reside in Mount Lebanon followed by the North, and the lowest percent in Nabatieh (6.22%). In addition to this number, the latest UNRWA statistics (Annual Report, 2008), report the number of Palestinians residing in the camps of Lebanon to be 422,188, which will make the total population estimated for 2008 to be around 4,415,180 residents all over the Lebanese territories.

Table 7: Resident Population* Distribution by Age Group and Gender, 2008

Age groups	Percent			Population 2008		
	M	F	T	M	F	T
0-4	4.2	3.7	7.9	167,706	147,741	315,446
5-9	4.7	4.3	9.0	187,671	171,699	359,369
10-14	5.3	5.0	10.3	211,629	199,650	411,278
15-19	5.1	4.8	9.9	203,643	191,664	395,306
20-24	5.1	4.8	9.9	203,643	191,664	395,306
25-29	3.8	4.1	7.9	151,734	163,713	315,446
30-34	3.6	3.8	7.4	143,748	151,734	295,481
35-39	3.1	3.7	6.8	123,783	147,741	271,523
40-44	3.0	3.7	6.7	119,790	147,741	267,530
45-49	2.4	2.7	5.1	95,832	107,811	203,643
50-54	2.2	2.2	4.4	87,846	87,846	175,692
55-59	1.7	1.9	3.6	67,881	75,867	143,748
60-64	1.6	1.8	3.4	63,888	71,874	135,762
65-69	1.5	1.5	3.0	59,895	59,895	119,790
70-74	1.2	1.1	2.3	47,916	43,923	91,839
75-79	0.7	0.7	1.4	27,951	27,951	55,902
80-84	0.4	0.4	0.8	15,972	15,972	31,944
85+	0.1	0.1	0.2	3,993	3,993	7,986
Total	**49.7**	**50.3**	**100.0**	**1,984,517**	**2,008,475**	**3,992,992**

Excluding Palestenian camps which count, according to UNRWA 2008 report, 422,188 persons

Table 8: Resident Population* Distribution by Age Group and Qada, 2008

Qaza	%	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Akkar	**6.19**	19,525	22,244	25,457	24,468	24,468	19,525	18,289	16,807	16,559	12,605	10,875	8,898	8,403	7,415	5,685	3,460	1,977	494	247,155
Minieh Danieh	**3.04**	9,585	10,920	12,497	12,012	12,012	9,585	8,979	8,251	8,129	6,188	5,339	4,368	4,125	3,640	2,791	1,699	971	243	121,335
Tripoli	**6.82**	21,513	24,508	28,048	26,959	26,959	21,513	20,151	18,517	18,245	13,888	11,982	9,803	9,259	8,169	6,263	3,812	2,179	545	272,315
Zgharta	**1.50**	4,724	5,382	6,159	5,920	5,920	4,724	4,425	4,066	4,007	3,050	2,631	2,153	2,033	1,794	1,375	837	478	120	59,799
Koura	**1.46**	4,595	5,235	5,991	5,758	5,758	4,595	4,304	3,955	3,897	2,966	2,559	2,094	1,978	1,745	1,338	814	465	116	58,163
Bchirreh	**0.53**	1,676	1,910	2,185	2,101	2,101	1,676	1,570	1,443	1,422	1,082	934	764	721	637	488	297	170	42	21,218
Batroun	**1.08**	3,399	3,872	4,432	4,260	4,260	3,399	3,184	2,926	2,883	2,194	1,893	1,549	1,463	1,291	990	602	344	86	43,027
	20.61																			
Hermel	**1.29**	4,069	4,636	5,305	5,099	5,099	4,069	3,812	3,503	3,451	2,627	2,266	1,854	1,751	1,545	1,185	721	412	103	51,509
Baalbeck	**5.17**	16,315	18,587	21,272	20,446	20,446	16,315	15,283	14,043	13,837	10,533	9,087	7,435	7,022	6,196	4,750	2,891	1,652	413	206,521
Zahleh	**3.77**	11,889	13,545	15,501	14,899	14,899	11,889	11,137	10,234	10,083	7,675	6,622	5,418	5,117	4,515	3,461	2,107	1,204	301	150,498
Rachaya	**0.78**	2,461	2,803	3,208	3,083	3,083	2,461	2,305	2,118	2,087	1,588	1,370	1,121	1,059	934	716	436	249	62	31,146
West Beqaa	**1.78**	5,617	6,399	7,324	7,039	7,039	5,617	5,262	4,835	4,764	3,626	3,129	2,560	2,418	2,133	1,635	995	569	142	71,103
	12.79																			
Nabatieh	**2.72**	8,565	9,758	11,167	10,734	10,734	8,565	8,023	7,373	7,264	5,529	4,771	3,903	3,686	3,253	2,494	1,518	867	217	108,422
Hasbaya	**0.58**	1,833	2,088	2,390	2,297	2,297	1,833	1,717	1,578	1,555	1,183	1,021	835	789	696	534	325	186	46	23,202
Marjayoun	**1.28**	4,046	4,609	5,275	5,070	5,070	4,046	3,790	3,482	3,431	2,612	2,253	1,844	1,741	1,536	1,178	717	410	102	51,212
Bint Jbeil	**1.64**	5,166	5,885	6,735	6,474	6,474	5,166	4,839	4,447	4,381	3,335	2,877	2,354	2,223	1,962	1,504	915	523	131	65,391
	6.22																			
Saida	**5.07**	16,002	18,230	20,863	20,053	20,053	16,002	14,989	13,774	13,571	10,330	8,912	7,292	6,887	6,077	4,659	2,836	1,620	405	202,556
Sour	**5.24**	16,521	18,822	21,540	20,704	20,704	16,521	15,475	14,221	14,012	10,666	9,202	7,529	7,110	6,274	4,810	2,928	1,673	418	209,128
Jezzine	**0.62**	1,942	2,212	2,532	2,433	2,433	1,942	1,819	1,671	1,647	1,253	1,081	885	836	737	565	344	197	49	24,578
	10.93																			
Jbeil	**2.22**	6,992	7,965	9,116	8,762	8,762	6,992	6,549	6,018	5,930	4,514	3,894	3,186	3,009	2,655	2,036	1,239	708	177	88,505
Kesrouan	**4.28**	13,498	15,378	17,599	16,915	16,915	13,498	12,644	11,619	11,448	8,714	7,518	6,151	5,809	5,126	3,930	2,392	1,367	342	170,863
Metn	**12.53**	39,516	45,018	51,521	49,520	49,520	39,516	37,015	34,014	33,514	25,510	22,009	18,007	17,007	15,006	11,505	7,003	4,002	1,000	500,205
Baabda	**12.55**	39,578	45,089	51,601	49,597	49,597	39,578	37,073	34,067	33,566	25,550	22,043	18,035	17,033	15,030	11,523	7,014	4,008	1,002	500,984
Aley	**3.39**	10,704	12,194	13,956	13,414	13,414	10,704	10,027	9,214	9,078	6,910	5,962	4,878	4,607	4,065	3,116	1,897	1,084	271	135,494
Chouf	**4.15**	13,095	14,918	17,073	16,410	16,410	13,095	12,266	11,272	11,106	8,454	7,293	5,967	5,636	4,973	3,812	2,321	1,326	332	165,759
	39.11																			
Beirut	**10.34**	32,619	37,161	42,529	40,877	40,877	32,619	30,555	28,077	27,664	21,058	18,168	14,865	14,039	12,387	9,497	5,781	3,303	826	412,903
	10.34																			
TOTAL	**100.00**	**315,446**	**359,369**	**411,278**	**395,306**	**395,306**	**315,446**	**295,481**	**271,523**	**267,530**	**203,643**	**175,692**	**143,748**	**135,762**	**119,790**	**91,839**	**55,902**	**31,944**	**7,986**	**3,992,992**

Excluding Palestenian camps which count, according to UNRWA 2008 report, 422,188 persons

The Crude Birth Rate in 2008 was 21.35 per 1000 mid year population, and the Crude Death Rate was 5.08 per 1000 mid year population. The Natural Growth Rate was 1.63. In addition, 2,599,438 people were of the active age group without considering the unemployment among those.

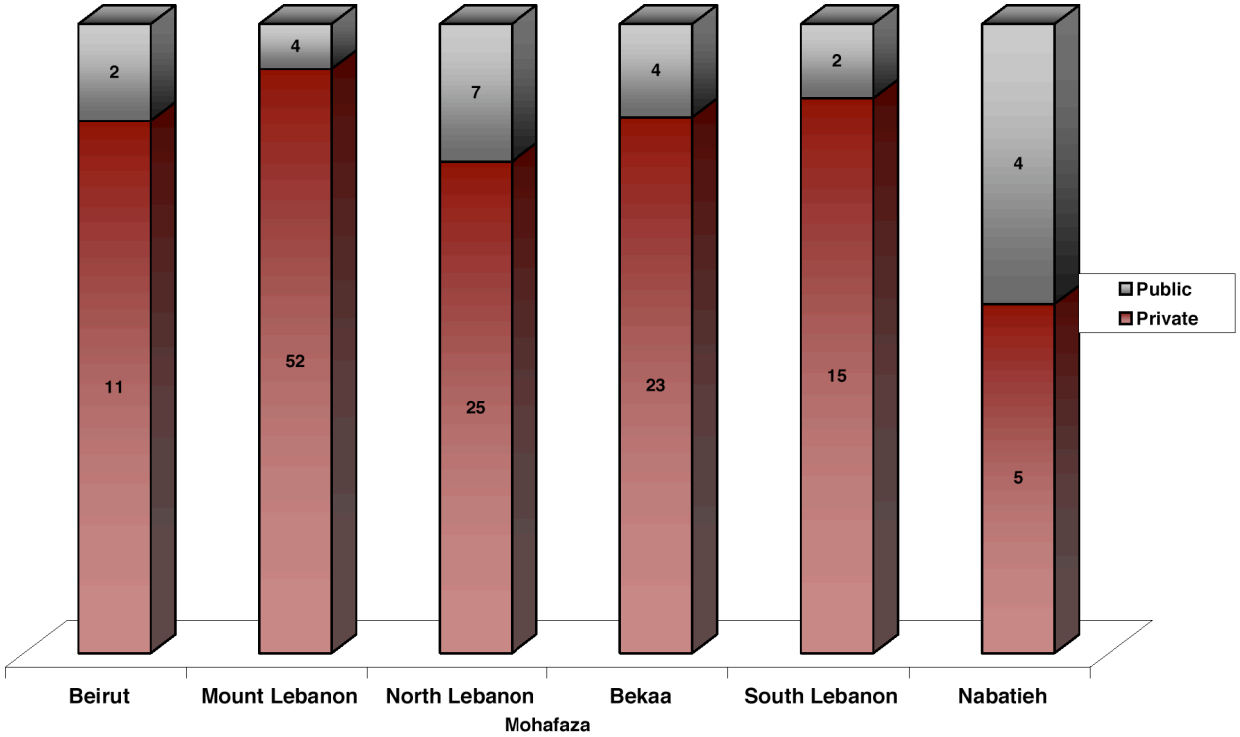
Table 9: Resident Population* Distribution by Age Group, Qada and Some Basic Indicators, 2008

Qaza	0-4	5-9	10-14	<15 years	>65years	Active Population**	Total Population	Births	Deaths	CBR	CDR	NGR
Akkar	19,525	22,244	25,457	67,226	19,031	160,898	247,155	8608	1497	34.83	6.06	2.88
Minieh Danieh	9,585	10,920	12,497	33,003	9,343	78,989	121,335	3450	605	28.43	4.99	2.34
Tripoli	21,513	24,508	28,048	74,070	20,968	177,277	272,315	5440	1047	19.98	3.84	1.61
Zgharta	4,724	5,382	6,159	16,265	4,604	38,929	59,799	998	340	16.69	5.69	1.10
Koura	4,595	5,235	5,991	15,820	4,479	37,864	58,163	735	326	12.64	5.60	0.70
Bchirreh	1,676	1,910	2,185	5,771	1,634	13,813	21,218	655	276	30.87	13.01	1.79
Batroun	3,399	3,872	4,432	11,703	3,313	28,011	43,027	770	377	17.90	8.76	0.91
Hermel	4,069	4,636	5,305	14,011	3,966	33,533	51,509	1811	188	35.16	3.65	3.15
Baalbeck	16,315	18,587	21,272	56,174	15,902	134,445	206,521	7710	500	37.33	2.42	3.49
Zahleh	11,889	13,545	15,501	40,936	11,588	97,974	150,498	3689	1028	24.51	6.83	1.77
Rachaya	2,461	2,803	3,208	8,472	2,398	20,276	31,146	895	216	28.74	6.94	2.18
West Beqaa	5,617	6,399	7,324	19,340	5,475	46,288	71,103	2098	465	29.51	6.54	2.30
Nabatieh	8,565	9,758	11,167	29,491	8,348	70,582	108,422	3021	386	27.86	3.56	2.43
Hasbaya	1,833	2,088	2,390	6,311	1,787	15,105	23,202	1047	232	45.13	10.00	3.51
Marjayoun	4,046	4,609	5,275	13,930	3,943	33,339	51,212	3660	620	71.47	12.11	5.94
Bint Jbeil	5,166	5,885	6,735	17,786	5,035	42,570	65,391	4089	717	62.53	10.96	5.16
Saida	16,002	18,230	20,863	55,095	15,597	131,864	202,556	8553	1817	42.23	8.97	3.33
Sour	16,521	18,822	21,540	56,883	16,103	136,142	209,128	5429	936	25.96	4.48	2.15
Jezzine	1,942	2,212	2,532	6,685	1,892	16,000	24,578	988	408	40.20	16.60	2.36
Jbeil	6,992	7,965	9,116	24,073	6,815	57,617	88,505	1511	517	17.07	5.84	1.12
Kesrouan	13,498	15,378	17,599	46,475	13,156	111,232	170,863	1381	691	8.08	4.04	0.40
Metn	39,516	45,018	51,521	136,056	38,516	325,633	500,205	2039	1167	4.08	2.33	0.17
Baabda	39,578	45,089	51,601	136,268	38,576	326,141	500,984	2054	737	4.10	1.47	0.26
Aley	10,704	12,194	13,956	36,854	10,433	88,206	135,494	2113	859	15.59	6.34	0.93
Chouf	13,095	14,918	17,073	45,087	12,763	107,909	165,759	3843	1203	23.18	7.26	1.59
Beirut	32,619	37,161	42,529	112,310	31,794	268,800	412,903	8674	3133	21.01	7.59	1.34
TOTAL	**315,446**	**359,369**	**411,278**	**1,086,094**	**307,460**	**2,599,438**	**3,992,992**	**85,261**	**20,288**	**21.35**	**5.08**	**1.63**

Excluding Palestenian camps which count, according to UNRWA 2008 report, 422,188 persons

Active Population: Population between 15-65 years of age regardless of their employment status.

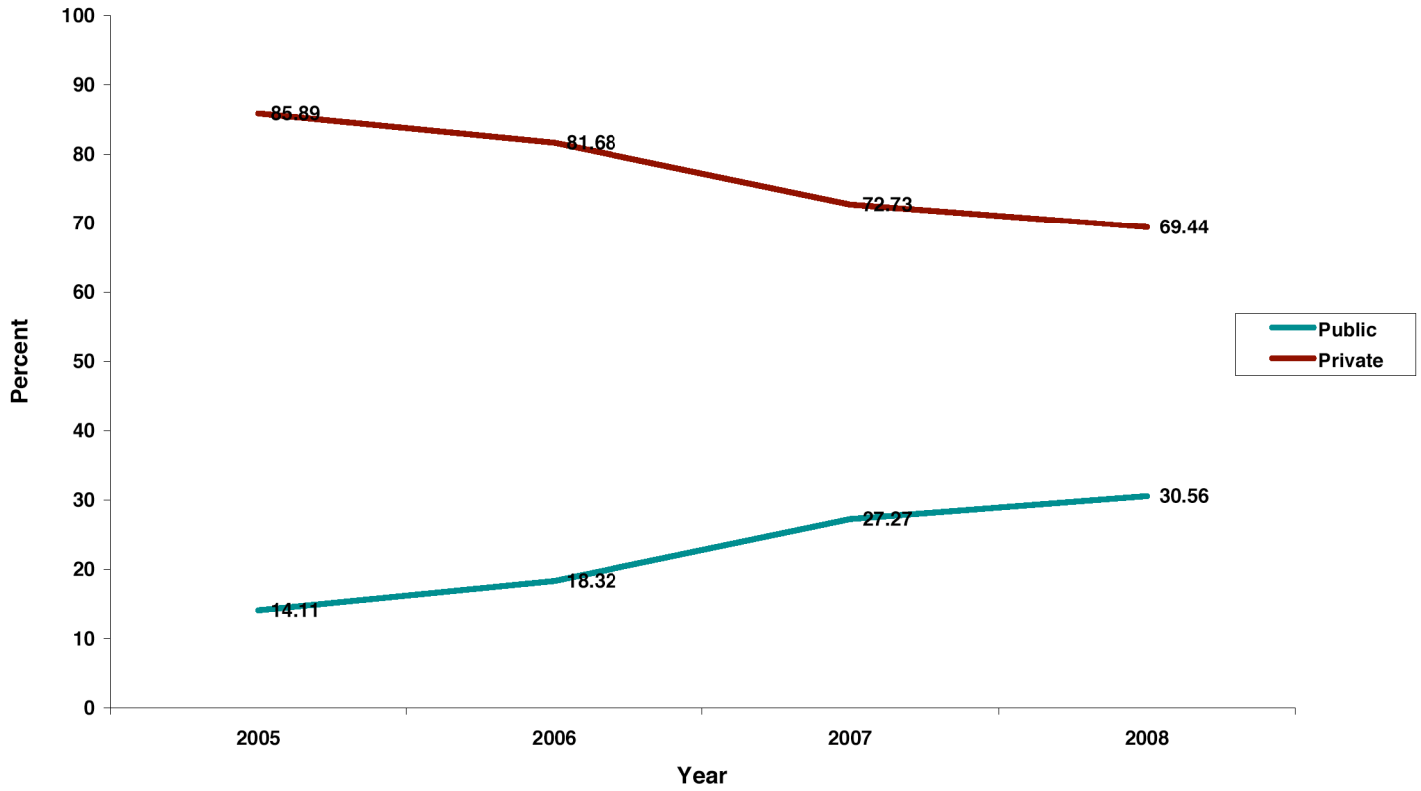
Graph 1: Number of Hospitals Contracting With The MOPH By Mohafaza and Type, 2008



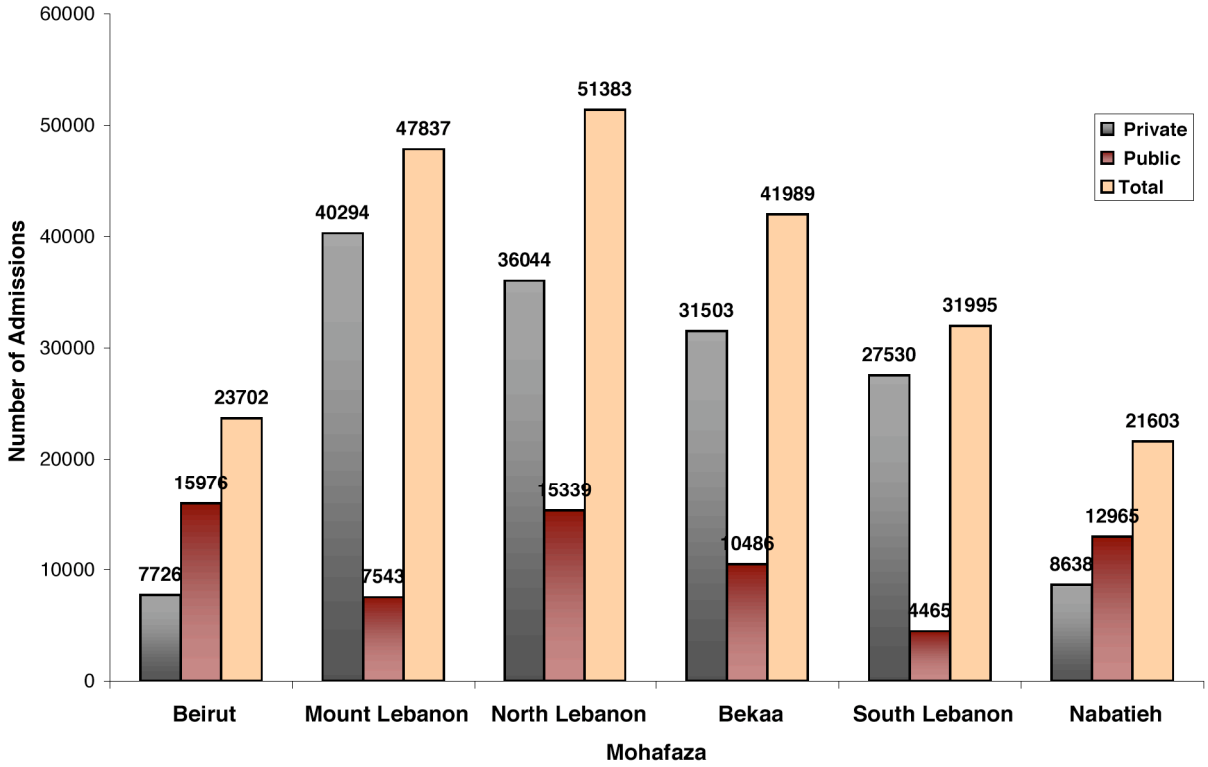
During 2008, there were 23 public hospitals and 131 private hospitals contracting with the Ministry of Health all over Lebanon. These hospitals were covering patients at a rate of 85% of the bill in the private hospitals, and 5% in the public hospitals. It is worth mentioning here that, according to the Household Survey 2007 (CAS, MOSA), 51.7% of the population had reported having no medical coverage, which makes them eligible for MOPH coverage (i.e. around 2,064,300 persons).

Year after year, the public hospitals are continuing to offer an improving quality services shown clearly by the increase in the number of subsidized admissions over the years as compared to the private hospitals. In 2008, around a third of the MOPH subsidized admissions were in public hospitals as compared to only 14% in 2005. It is a huge jump considering that there are only 23 public hospitals contracting with the ministry as compared to 131 private hospitals.

Graph 2: The Evolution of MOPH Subsidized Admissions in Public and Private Hospitals Between 2005 and 2008



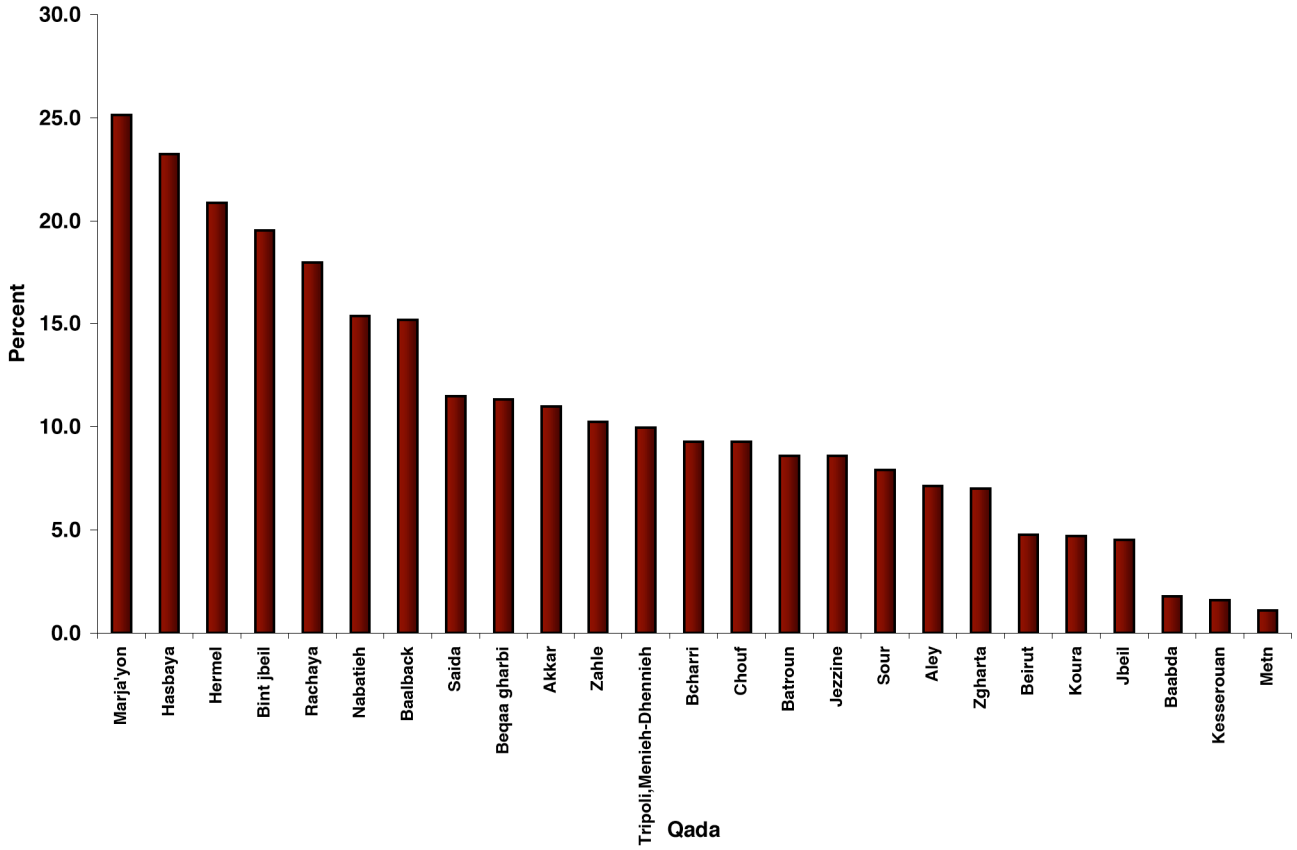
Graph 3: Number of MOPH Subsidized Admissions By Mohafaza and Type of Hospital, 2008



In 2008, 218,509 hospitalization approvals (public hospitals= 66,774, private hospitals=151,735) were issued to 157,755 patients all over Lebanon with an average ratio of 1.38 admissions per patient. The highest number of admissions was in North Lebanon and the lowest in Nabatieh. Among the private hospital admissions, Mount Lebanon ranked highest in number, while Beirut ranked lowest. In public hospitals' admissions, however, Beirut ranked highest followed by North Lebanon and Nabatieh; and this is due to the hospital load of the major public hospitals in the named Mohafazats, namely Rafik Hariri Governmental Hospital, Tannourine Governmental Hospital and Nabatieh Governmental Hospital.

If we consider that 51.7% of the population is eligible for MOPH coverage (i.e. having no coverage as per Household Survey 2007), and knowing the number of covered patients in each Qada; when we plot the percent hospitalized patients, Marjeyoun showed the highest percent using the hospital services of MOPH with around 25% utilization rate, while the Metn showed the lowest with around 2%.

Graph 4: Percent Population Hospitalized Among Eligible Population By Qada, 2008



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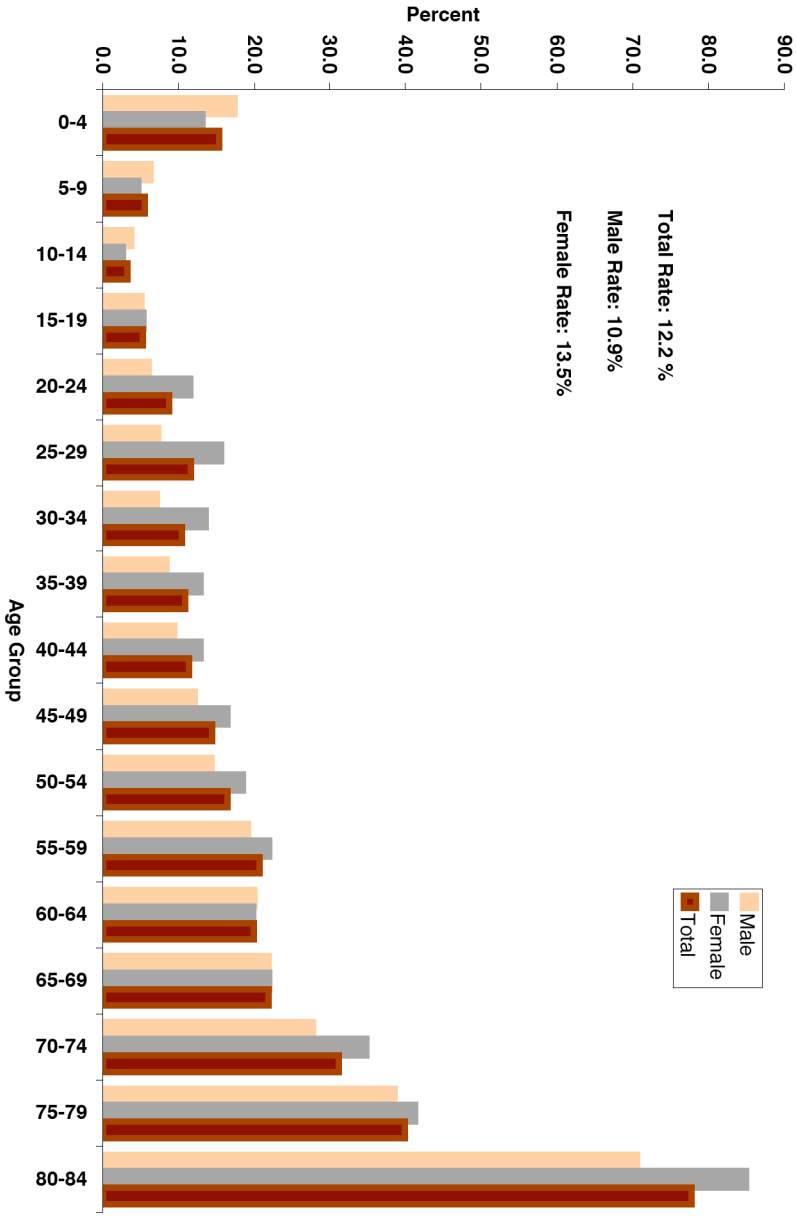
Graph 5: Percent Hospital Utilization Among Eligibles By Age Group and Gender, 2008



The Total Hospital Utilization rate among the eligible population was 12.2% (Males=10.9%, Females= 13.5%) considering that there are 2,064,377 eligibles (M= 1,025,995, F=1,038,382). When checked across age groups, it was shown that the males less than 15 years of age utilize hospital services more than females in those age groups. However, the female utilization rates in the age groups 15 and higher were higher than males across all categories of age.

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Table 10: MOPH Subsidized Hospital Admissions By Categories of Diagnosis and Gender, 2008

ICD10	Codes	Description	M	F	T
Chapter 1	**A00-B99**	**Certain Infectious and Parasitic Diseases**	**M**	**F**	**T**
	A00-A09	Intestinal Infectious Diseases	4,699	4,141	**8,840**
	A15-A19	Tuberculosis	19	20	**39**
	A20-A28	Certain zoonotic bacterial diseases	28	40	**68**
	A30-A49	Other bacterial diseases	320	312	**632**
	A50-A64	Infections with a predominantly sexual mode of transmission	7	7	**14**
	A65-A69	Other spirochaetal diseases	5	2	**7**
	A70-A74	Other diseases caused by chlamydiae	0	1	**1**
	A75-A79	Rickettsioses	0	4	**4**
	A80-A89	Viral Infections of the CNS	15	6	**21**
	A90-A99	Arthropod-borne viral fevers and viral hemorrhagic fevers	3	1	**4**
	B00-B09	Viral Infections characterized by skin and mucous membrane lesions	36	48	**84**
	B15-B19	Viral hepatitis	66	50	**116**
	B20-B24	Human immunodeficiency virus[HIV] disease	13	2	**15**
	B25-B34	Other viral diseases	18	9	**27**
	B35-B49	Mycoses	3	5	**8**
	B50-B64	Protozoal diseases	21	5	**26**
	B65-B83	Helminthiases	7	19	**26**
	B85-B89	Pediculosis, acariasis and other infestations	2	2	**4**
	B90-B94	Sequelae of infectious and parasitic diseases	0	2	**2**
	B95-B97	Bacterial, viral and other infectious agents	4	1	**5**
	B99	Other infectious diseases	28	36	**64**
Total			**5,294**	**4,713**	**10,007**
Chapter 2	**C00-D48**	**Neoplasms**	**M**	**F**	**T**
	C00-C97	Malignant Neoplasms	**8,420**	**12,225**	**20,645**
		lip oral cavity and pharynx	*261*	*175*	**436**
		digestive organs	*1,334*	*1,377*	**2,711**
		respiratory and intrathoracic organs	*1,823*	*705*	**2,528**
		bone and articular cartilage	*154*	*177*	**331**
		melanoma and other malignant neoplasms of skin	*72*	*66*	**138**
		mesothelial and soft tissue	*182*	*129*	**311**
		breast	*0*	*5,671*	**5,671**
		female genital organs	*0*	*1,170*	**1,170**
		male genital organs	*764*	*0*	**764**
		urinary tract	*760*	*280*	**1,040**
		eye,brain, and other parts of CNS	*207*	*187*	**394**
		thyroid and other endocrine glands	*31*	*91*	**122**
		ill-defined, secondary, and unspecified sites	*384*	*370*	**754**
		lymphoid, haematopoietic and related tissue	*2,446*	*1,808*	**4,254**
		independent (primary) multiple sites	*2*	*19*	**21**
	D00-D09	In situ neoplasms	56	85	**141**
	D10-D36	Benign neoplasms	743	1,626	**2,369**
	D37-D48	Neoplasms of uncertain and unknown behavior	203	252	**455**
Total			**9,422**	**14,188**	**23,610**

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ICD10	Codes	Description	M	F	T
Chapter 3	**D50-D53**	**Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism**	**M**	**F**	**T**
	D50-D53	Nutritional anaemias	232	381	**613**
	D55-D59	Haemolytic anaemias	505	308	**813**
	D60-D64	Aplastic and other anaemias	664	700	**1,364**
	D65-D69	Coagulation defects, purpura and other haemorrhagic conditions	179	184	**363**
	D70-D77	Other diseases of the blood and blood forming organs	31	48	**79**
	D80-D89	Certain Disorders involving the immune mechanism	41	47	**88**
Total			**1,652**	**1,668**	**3,320**
Chapter 4	**E00-E90**	**Endocrine, Nutritional and metabolic diseases**	**M**	**F**	**T**
	E00-E07	Disorders of thyroid gland	167	843	**1,010**
	E10-E14	Diabetes mellitus	1,217	1,689	**2,906**
	E15-E16	Other disorders of glucose regulation and pancreatic internal secretion	35	33	**68**
	E20-E35	Disorders of other endocrine glands	85	106	**191**
	E40-E46	Malnutrition	9	12	**21**
	E50-E64	Other nutritional deficiencies	4	4	**8**
	E65-E68	Obesity and other hyperalimentation	60	95	**155**
	E70-E90	Metabolic disorders	210	231	**441**
Total			**1,787**	**3,013**	**4,800**
Chapter 5	**F00-F99**	**Mental and Behavioral disorders**	**M**	**F**	**T**
	F00-F09	Organic, including symptomatic, mental disorders	19	23	**42**
	F10-F19	Mental and Behavioral disorders due to psychoactive substance abuse	134	32	**166**
	F20-F29	Schizophrenia, schizotypal and delusional disorders	199	148	**347**
	F30-F39	Mood [affective] disorders	74	89	**163**
	F40-F48	Neurotic, stress-related and somatoform disorders	61	79	**140**
	F50-F59	Behavioral syndromes associated with physiological disturbances and physical factors	5	5	**10**
	F60-F69	Disorders of adult personality and behaviour	4	10	**14**
	F70-F79	Mental retardation	21	25	**46**
	F80-F89	Disorders of psychological development	2	5	**7**
	F90-F98	Behavioral and emotional disorders with onset usually occurring in childhood and adolescence	4	4	**8**
	F99	Unspecified mental disorder	3	1	**4**
Total			**526**	**421**	**947**
Chapter 6	**G00-G99**	**Diseases of the nervous system**	**M**	**F**	**T**
	G00-G09	Inflammatory diseases of the central nervous system	141	108	**249**
	G10-G13	Systemic atrophies primarily affecting the nervous system	31	17	**48**
	G20-G26	Extrapyramidal and mood disorders	47	39	**86**
	G30-G32	Other degenerative diseases of the nervous system	31	31	**62**
	G35-G37	Demyelinating diseases of the CNS	74	109	**183**
	G40-G47	Episodic and paroxysmal disorders	796	798	**1,594**
	G50-G59	Nerve, nerve root and plexus disorders	211	521	**732**
	G60-G64	polyneuropathies and other disorders of the peripheral NS	32	22	**54**
	G70-G73	Diseases of myoneural junction and muscle	33	46	**79**
	G80-G83	Cerebral palsy and other paralytic syndromes	386	368	**754**
	G90-G99	Others disorders of the nervous system	200	150	**350**
Total			**1,982**	**2,209**	**4,191**

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Chapter 7	**H00-H59**	**Diseases of the eye and adnexa**	**M**	**F**	**T**
	H00-H06	Disorders of eyelid, lachrymal system and orbit	103	157	**260**
	H10-H13	Disorders of conjunctiva	53	59	**112**
	H15-H22	Disorders of sclera, cornea, iris, and ciliary body	115	108	**223**
	H25-H28	Disorders of lens	2,578	3,198	**5,776**
	H30-H36	Disorders of choroid and retina	110	72	**182**
	H40-H42	Glaucoma	190	201	**391**
	H43-H45	Disorders of vitreous body and globe	120	87	**207**
	H46-H48	Disorders of optic nerve and visual pathways	3	2	**5**
	H49-H52	Disorders of ocular muscles, binocular movement accommodation and refraction	113	111	**224**
	H53-H54	Visual disturbances and blindness	70	62	**132**
	H55-H59	Other disorders of eye and adnexa	129	139	**268**
Total			**3,584**	**4,196**	**7,780**
Chapter 8	**H60-H95**	**Diseases of the ear and mastoid process**	**M**	**F**	**T**
	H60-H62	Diseases of the external ear	145	127	**272**
	H65-H75	Diseases of the middle ear and mastoid	496	521	**1,017**
	H80-H83	Diseases of the inner ear	97	172	**269**
	H90-H95	Other disorders of ear	38	47	**85**
Total			**776**	**867**	**1,643**
Chapter 9	**I00-I99**	**Diseases of the circulatory system**	**M**	**F**	**T**
	I00-I02	Acute Rheumatic fever	30	35	**65**
	I05-I09	Chronic rheumatic heart disease	101	105	**206**
	I10-I15	Hypertensive diseases	2,524	3,991	**6,515**
	I20-I25	Ischemic heart diseases	9,431	6,924	**16,355**
	I26-I28	circulation	39	48	**87**
	I30-I52	Other forms of heart disease	2,567	2,899	**5,466**
	I60-I69	Cerebrovascular diseases	1,109	1,155	**2,264**
	I70-I79	Diseases of arteries arterioles and capillaries	506	350	**856**
	I80-I89	Diseases of veins,lymphatic vessels and lymph nodes NEC	1,512	787	**2,299**
	I95-I99	Other and unspecified disorders of the circulatory system	149	182	**331**
Total			**17,968**	**16,476**	**34,444**
Chapter 10	**J00-J99**	**Diseases of the respiratory system**	**M**	**F**	**T**
	J00-J06	Acute upper respiratory infections	1,071	908	**1,979**
	J10-J18	Influenza and pneumonia	5,184	4,345	**9,529**
	J20-J22	Other acute lower respiratory infections	1,356	1,175	**2,531**
	J30-J39	Other diseases of upper respiratory tract	4,079	3,634	**7,713**
	J40-J47	Chronic lower respiratory diseases	1,652	1,523	**3,175**
	J60-J70	Lung diseases due to external agents	70	51	**121**
	J80-J84	Other respiratory diseases principally affecting the interstitium	734	817	**1,551**
	J85-J86	Suppurative and necrotic conditions of lower respiratory tract	32	5	**37**
	J90-J94	Other diseases of plura	198	127	**325**
	J95-J99	Other diseases of the respiratory system	245	201	**446**
Total			**14,621**	**12,786**	**27,407**

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ICD10	Codes	Description	M	F	T
Chapter 11	**K00-K93**	**Diseases of the digestive system**	**M**	**F**	**T**
	K00-K14	Diseases of oral cavity salivary glands and jaws	189	192	**381**
	K20-K31	Diseases of oesophagus, stomach and duodenum	1,479	1,813	**3,292**
	K35-K38	Diseases of appendix	851	873	**1,724**
	K40-K46	Hernia	4,424	1,436	**5,860**
	K50-K52	Noninfective enteritis and colitis	696	750	**1,446**
	K55-K63	Other diseases of intestines	1,388	997	**2,385**
	K65-K67	Diseases of peritoneum	149	179	**328**
	K70-K77	Diseases of liver	339	253	**592**
	K80-K87	Disorders of gallbladder, biliary tract and pancreas	1,300	3,118	**4,418**
	K90-K93	Other diseases of the digestive system	288	278	**566**
Total			**11,103**	**9,889**	**20,992**
Chapter 12	**L00-L99**	**Diseases of the skin and subcutaneous tissue**	**M**	**F**	**T**
	L00-L08	Infections of the skin and subcutaneous tissue	792	456	**1,248**
	L10-L14	Bullous disorders	2	2	**4**
	L20-L30	Dermatitis and eczema	6	16	**22**
	L40-L45	Papulosquamous disorders	2	5	**7**
	L50-L54	Urticaria and erythema	41	46	**87**
	L55-L59	tissue	2	3	**5**
	L60-L75	Disorders of skin appendages	30	18	**48**
	L80-L99	Other disorders of the skin and subcutaneous tissue	266	191	**457**
Total			**1,141**	**737**	**1,878**
Chapter 13	**M00-M99**	**Diseases of the musculoskeletal system and connective tissue**	**M**	**F**	**T**
	M00-M25	Arthropathies	**1,243**	**1,741**	**2,984**
		infectious arthropathies	*18*	*15*	**33**
		inflammatory polyarthropathies	*297*	*493*	**790**
		arthrosis	*361*	*666*	**1,027**
		other joint disorders	*567*	*567*	**1,134**
	M30-M36	Systemic connective tissue disorders	**69**	**69**	**138**
	M40-M54	Dorsopathies	**1,254**	**1,727**	**2,981**
		deforming dorsopathies	*32*	*73*	**105**
		spondylopathies	*103*	*132*	**235**
		other dorsopathies	*1,119*	*1,522*	**2,641**
	M60-M79	Soft tissue disorders	**473**	**683**	**1,156**
		disorders of muscles	*65*	*67*	**132**
		disorders of synovium and tendon	*170*	*309*	**479**
		other soft tissue disorders	*238*	*307*	**545**
	M80-M94	Osteopathies and chondropathies	**457**	**273**	**730**
		disorders of bonedensity and structure	*161*	*93*	**254**
		other osteopathies	*264*	*153*	**417**
		chondropathies	*32*	*27*	**59**
	M95-M99	Other disorders of the musculoskeletal system and connective tissue	**15**	**18**	**33**
Total			**3,511**	**4,511**	**8,022**

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ICD10	Codes	Description	M	F	T
Chapter 14	**N00-N99**	**Diseases of the genitourinary system**	**M**	**F**	**T**
	N00-N08	Glomerular diseases	141	150	**291**
	N10-N16	Renal tubulo-interstitial diseases	461	739	**1,200**
	N17-N19	Renal failure	928	842	**1,770**
	N20-N23	Urolithiasis	3,714	2,864	**6,578**
	N25-N29	Other disorders of kidney and ureter	51	72	**123**
	N30-N39	Other diseases of the urinary system	1,255	1,760	**3,015**
	N40-N51	Diseases of male genital organs	2,265	0	**2,265**
	N60-N64	Disorders of breast	0	522	**522**
	N70-N77	Inflammatory diseases of female pelvic organs	0	397	**397**
	N80-N98	Noninflammatory disorders of female genital tract	0	4,635	**4,635**
	N99	Other disorders of the genitourinary system	4	8	**12**
Total			**8,819**	**11,989**	**20,808**
Chapter 15	**O00-O99**	**Pregnancy, Childbirth and puerperium**	**M**	**F**	**T**
	O00-O08	Pregnancy with abortive outcome	0	1,679	**1,679**
	O10-O16	Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium	0	44	**44**
	O20-O29	Other maternal disorders predominantly related to pregnancy	0	272	**272**
	O30-O48	Maternal care related to the fetus and amniotic cavity and possible delivery problems	0	276	**276**
	O60-O75	Complications of labor and delivery	0	375	**375**
	O80-O84	Delivery	0	22,228	**22,228**
	O85-O92	Complications predominantly related to the puerperium	0	36	**36**
	O95-O99	Other obstetric conditions NEC	0	16	**16**
Total			**0**	**24,926**	**24,926**
Chapter 16	**P00-P96**	**Certain conditions originating in the perinatal period**	**M**	**F**	**T**
	P00-P04	Fetus and newborn affected by maternal factors and by complications of pregnancy labour and delivery	28	109	**137**
	P05-P08	Disorders related to length of gestation and fetal growth	262	198	**460**
	P10-P15	Birth trauma	7	7	**14**
	P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	961	600	**1,561**
	P35-P39	Infections specific to the perinatal period	247	143	**390**
	P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	265	232	**497**
	P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	52	41	**93**
	P75-P78	Digestive system disorders of fetus and newborn	10	2	**12**
	P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	25	11	**36**
	P90-P96	Other disorders originating in the perinatal period	27	17	**44**
Total			**1,884**	**1,360**	**3,244**

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ICD10	Codes	Description	M	F	T
Chapter 17	**Q00-Q99**	**Congenital malformations, deformations and chromosomal abnormalities**	**M**	**F**	**T**
	Q00-Q07	Congenital malformations of the nervous system	33	39	**72**
	Q10-Q18	Congenital malformations of eye, ear, face and neck	17	24	**41**
	Q20-Q28	Congenital malformations of the circulatory system	89	104	**193**
	Q30-Q34	Congenital malformations of the respiratory system	13	13	**26**
	Q35-Q37	Cleft lip and cleft palate	31	29	**60**
	Q38-Q45	Other congenital malformations of the digestive system	62	55	**117**
	Q50-Q56	Congenital malformations of the genital organs	491	44	**535**
	Q60-Q64	Congenital malformations of the urinary system	103	47	**150**
	Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	130	116	**246**
	Q80-Q89	Other congenital malformations	19	22	**41**
	Q90-Q99	Chromosomal abnormalities, NEC	26	42	**68**
Total			**1,014**	**535**	**1,549**
Chapter 18	**R00-R99**	**Symptoms, signs and abnormal clinical and laboratory findings NEC**	**M**	**F**	**T**
	R00-R09	Symptoms and signs involving the circulatory and respiratory systems	3,846	4,070	**7,916**
	R10-R19	Symptoms and signs involving the digestive system and abdomen	6,460	10,078	**16,538**
	R20-R23	Symptoms and signs involving the skin and subcutaneous tissue	126	141	**267**
	R25-R29	Symptoms and signs involving the nervous and musculoskeletal systems	48	44	**92**
	R30-R39	Symptoms and signs involving the urinary system	908	477	**1,385**
	R40-R46	Symptoms and signs involving cognition, perception,emotional state and behaviour	476	680	**1,156**
	R47-R49	Symptoms and signs involving speech and voice	17	19	**36**
	R50-R69	General symptoms and signs	4,732	4,735	**9,467**
	R70-R79	Abnormal findings on examination of blood, without diagnosis	58	74	**132**
	R80-R82	Abnormal findings on examination of urine, without diagnosis	11	16	**27**
	R83-R89	Abnormal findings on examination of other body fluids substances and tissues, without diagnosis	5	6	**11**
	R90-R94	Abnormal findings on diagnostic imaging and in function studies, without diagnosis	13	8	**21**
	R95-R99	Ill-defined and unknown causes of mortality	4	5	**9**
Total			**16,704**	**20,353**	**37,057**
Chapter 19	**S00-T98**	**Injury, poisoning and certain other consequences of external causes**	**M**	**F**	**T**
	S00-S09	Injuries to the head	1,165	542	**1,707**
	S10-S19	Injuries to the neck	47	44	**91**
	S20-S29	Injuries to the thorax	136	60	**196**
	S30-S39	Injuries to the abdomen, lower back, lumbar spine and pelvis	188	100	**288**
	S40-S49	Injuries to the shoulder and upper arm	596	375	**971**

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ICD10	Codes	Description	M	F	T
	S50-S59	Injuries to the elbow and forear	963	523	**1,486**
	S60-S69	Injuries to the wrist and hand	1,028	429	**1,457**
	S70-S79	Injuries to the hip and thigh	919	924	**1,843**
	S80-S89	Injuries to the knee and lower leg	1,032	508	**1,540**
	S90-S99	Injuries to the ankle and foot	349	188	**537**
	T00-T07	Injuries involving multiple body regions	1,077	554	**1,631**
	T08-T14	Injuries to unspecified part of trunk, limb or body region	190	88	**278**
	T15-T19	Effects of foreign body entering through natural orifice	45	14	**59**
	T20-T32	Burns and corrosions	125	77	**202**
	T33-T35	Frosbite	7	3	**10**
	T36-T50	Poisoning by drugs, medicaments and biological substances	21	12	**33**
	T51-T65	Toxic effects of substances chiefly nonmedicinal as to source	143	121	**264**
	T66-T78	Other and unspecified effects of external causes	85	49	**134**
	T79	Certain early complications of trauma	2	7	**9**
	T80-T88	Complications of surgical and medical care NEC	116	86	**202**
	T90-T98	Sequelae of injuries, of poisoning and of other consequences of external causes	78	39	**117**
Total			**8,312**	**4,743**	**13,055**
Chapter 20	**V01-Y98**	**External causes of morbidity and mortality**	**M**	**F**	**T**
Total			**85**	**32**	**117**
Chapter 21	**Z00-Z99**	**Factors influencing health status and contact with health services**	**M**	**F**	**T**
	Z00-Z13	Persons encountering health services for examination and investigation	73	46	**119**
	Z20-Z29	Persons with potential health hazards related to communicable diseases	8	6	**14**
	Z30-Z39	Persons encountering health services in circumstances related to reproduction	21	440	**461**
	Z40-Z54	Persons encountering health services for specific procedures and health care	629	403	**1,032**
	Z55-Z65	Persons with potential health hazards related to socioeconomic and psychosocial circumstances	0	0	**0**
	Z70-Z76	Persons encountering health services in other circumstances	5	7	**12**
	Z80-Z99	Persons with potential health hazards related to family and personal history and certain conditions influencing health status	177	91	**268**
Total			**913**	**993**	**1,906**
Total Number of Hospitalized Diagnoses			**111,098**	**140,605**	**251,703**

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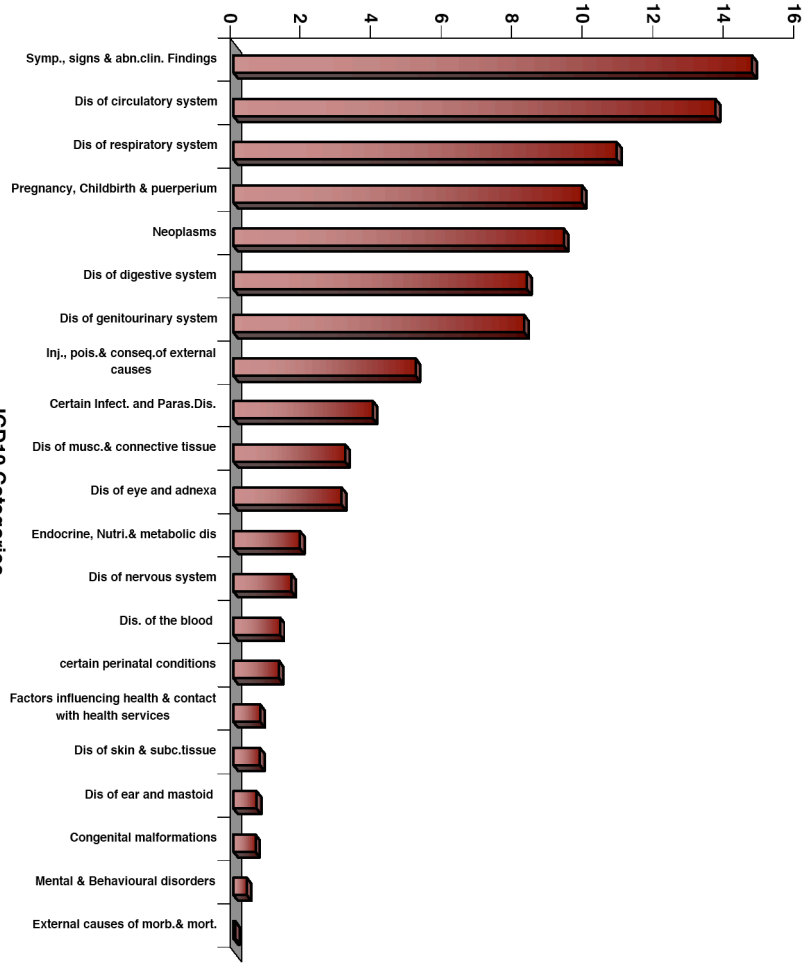
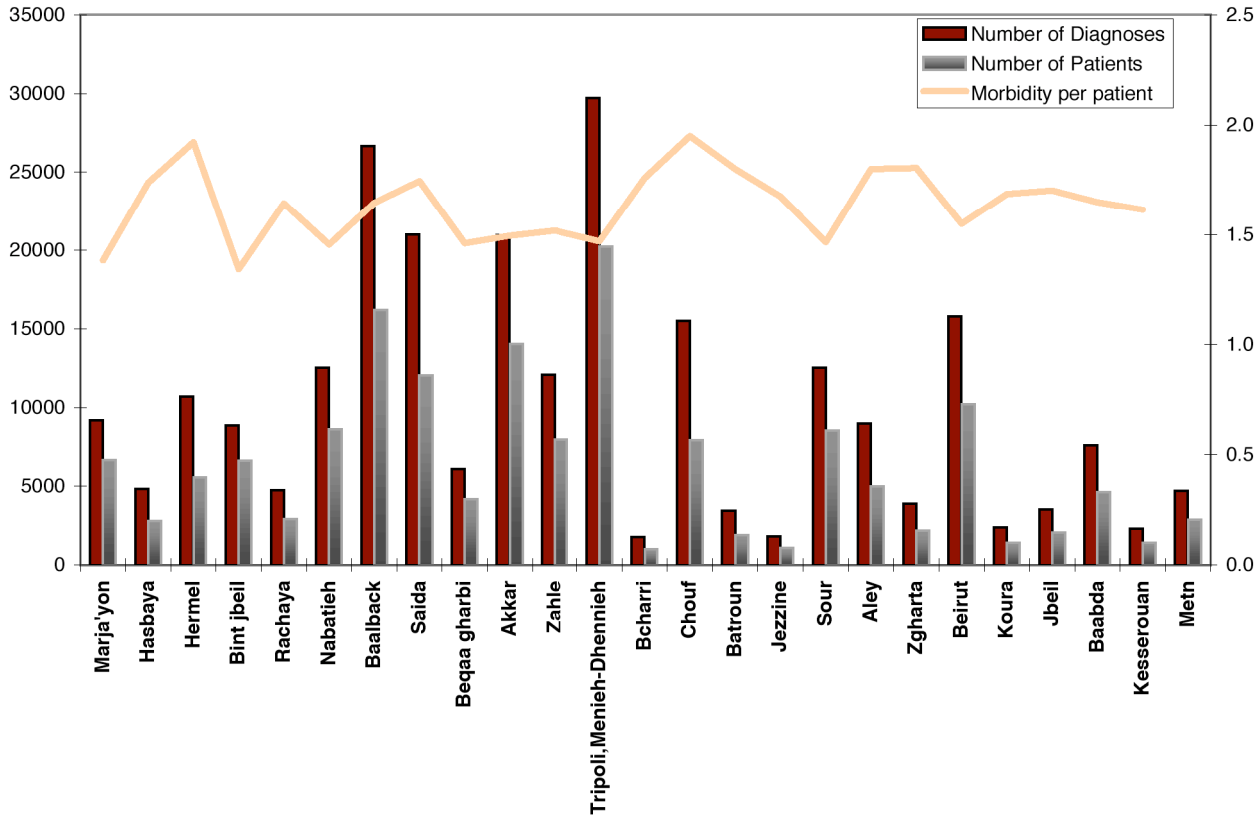


The highest number of diagnoses fell in the circulatory system (34,444), and the respiratory system (27,407), with more than two thirds of the "signs and symptoms of abnormal clinical findings" category pertaining to the circulatory, respiratory and digestive systems.

When considering the number of patients utilizing services in each Qada, Tripoli (together with Minieh-Dhennieh) showed the highest number of patients and highest number of diagnoses. But, considering the eligible population at the level of Qada, Chouf and Hermel had the highest morbidity levels (2 diagnoses per patient).

Graph 7: Number of Diagnoses, Number of Patients, and Morbidity per Patient By Qada, 2008



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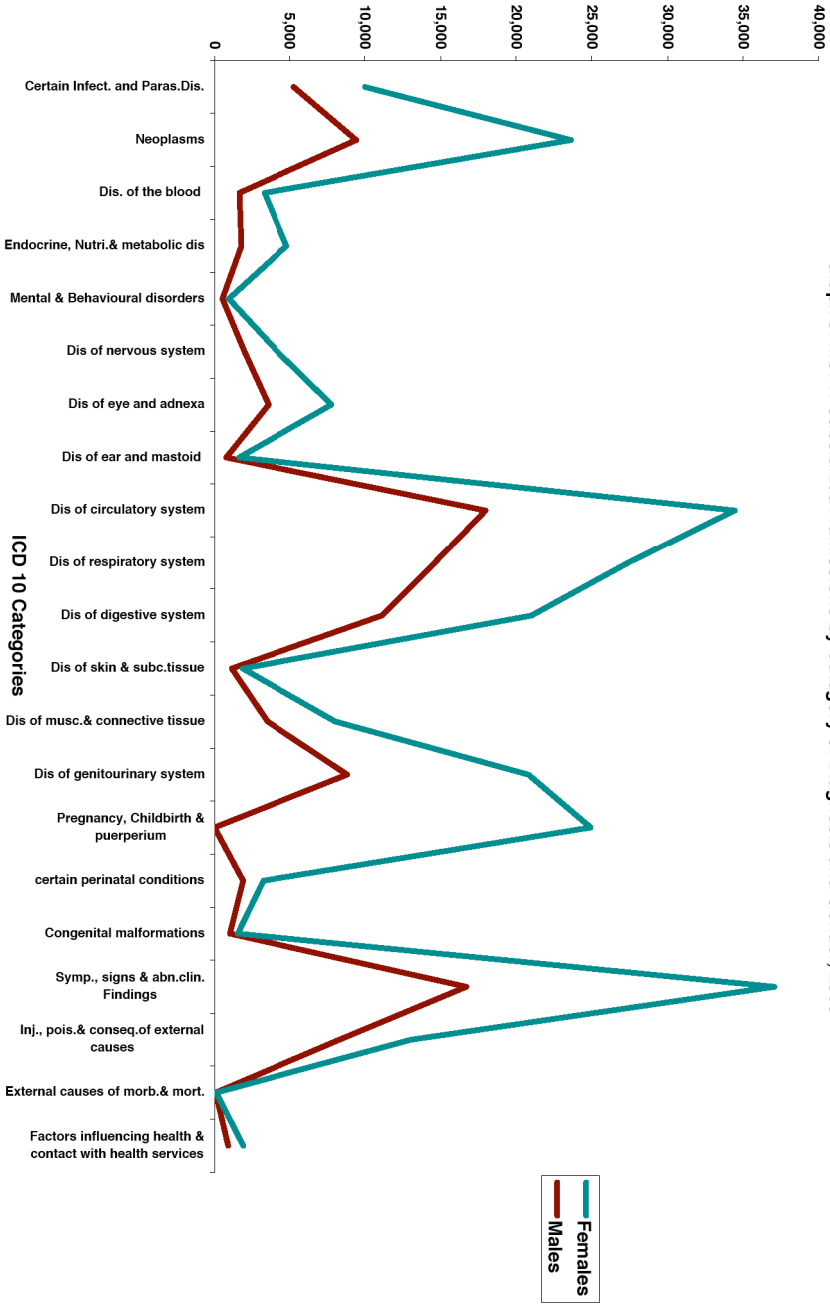

Graph 8: MOPH Subsidized Admissions by Category of Diagnosis and Gender, 2008

In absolute numbers, females are higher than males in all categories of diagnoses, which could mean either those females are more morbid, or they tend to utilize services more than males.

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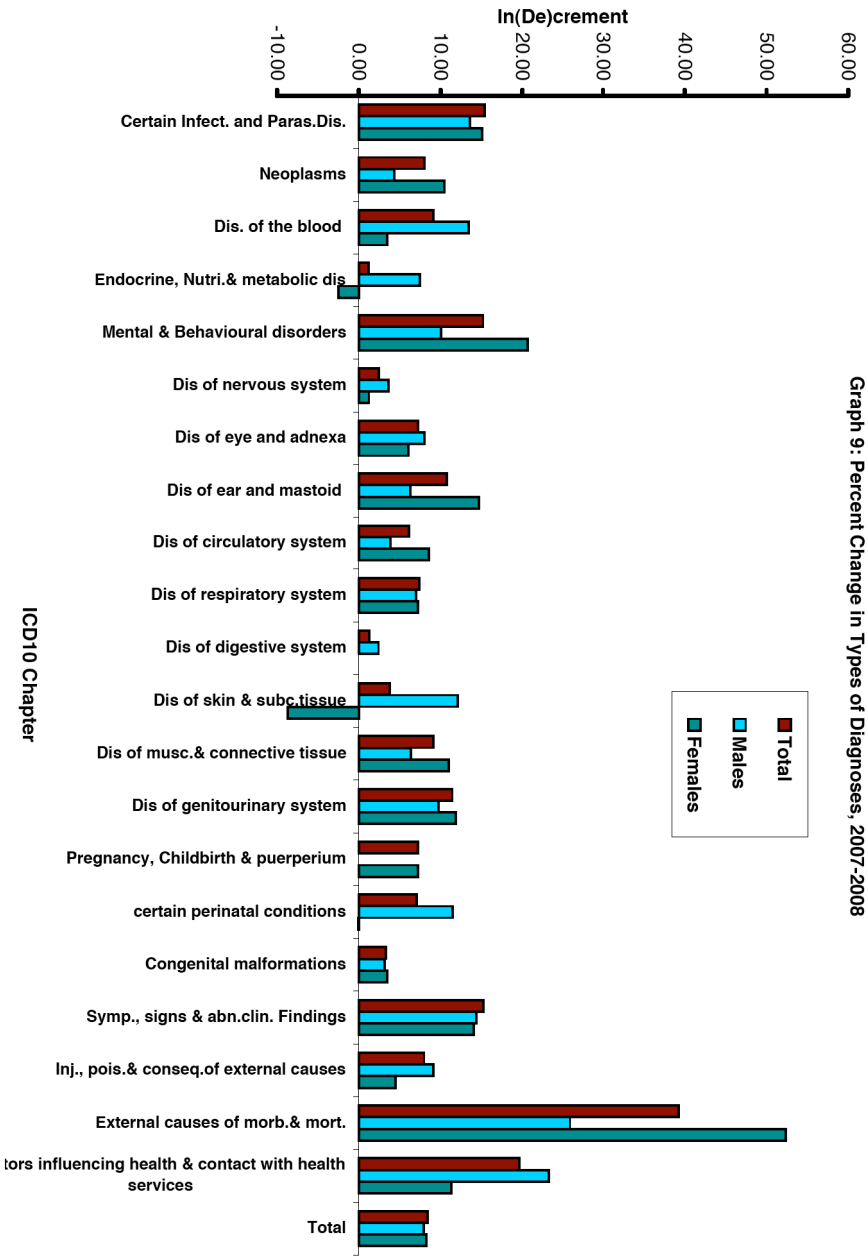
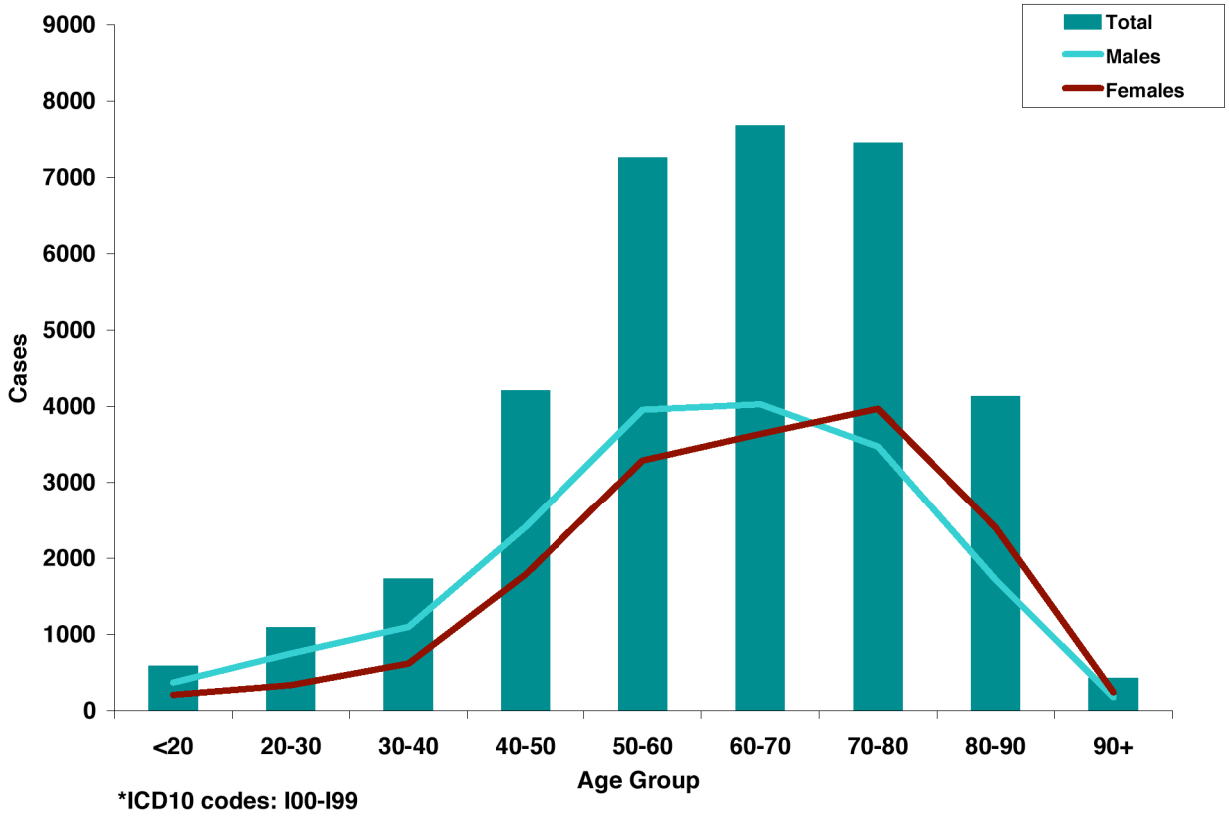
When comparing the years 2007 and 2008, there was an increase in the number of diagnoses across all categories, except for females in the diseases of the skin and subcutaneous tissues, as well as females in the endocrine and metabolic disorders whereby there was a drop in number between 2007 and 2008.



Graph 9: Percent Change in Types of Diagnoses, 2007-2008

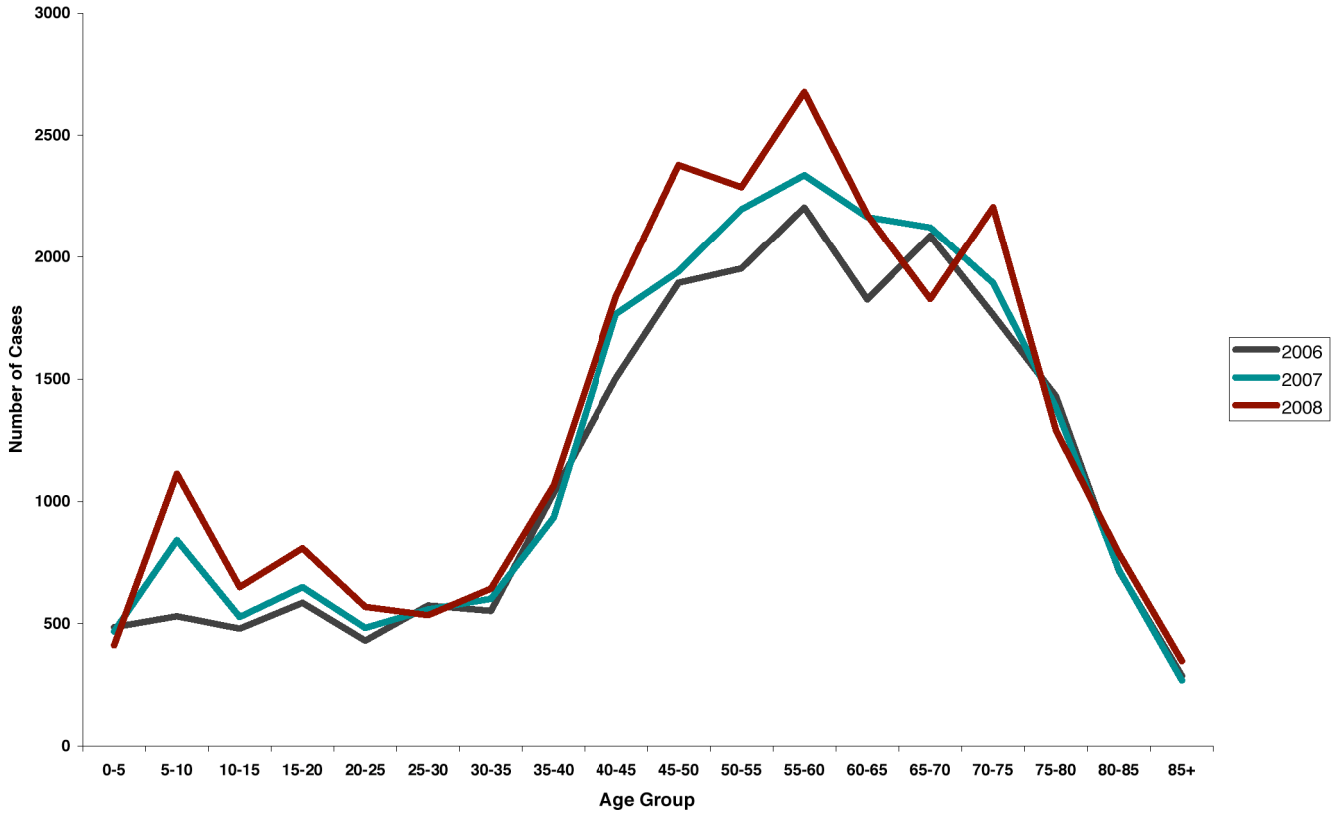
Graph 10: MOPH Subsidized Hospitalized Cardiovascular* Cases By Gender and Age Group, 2008



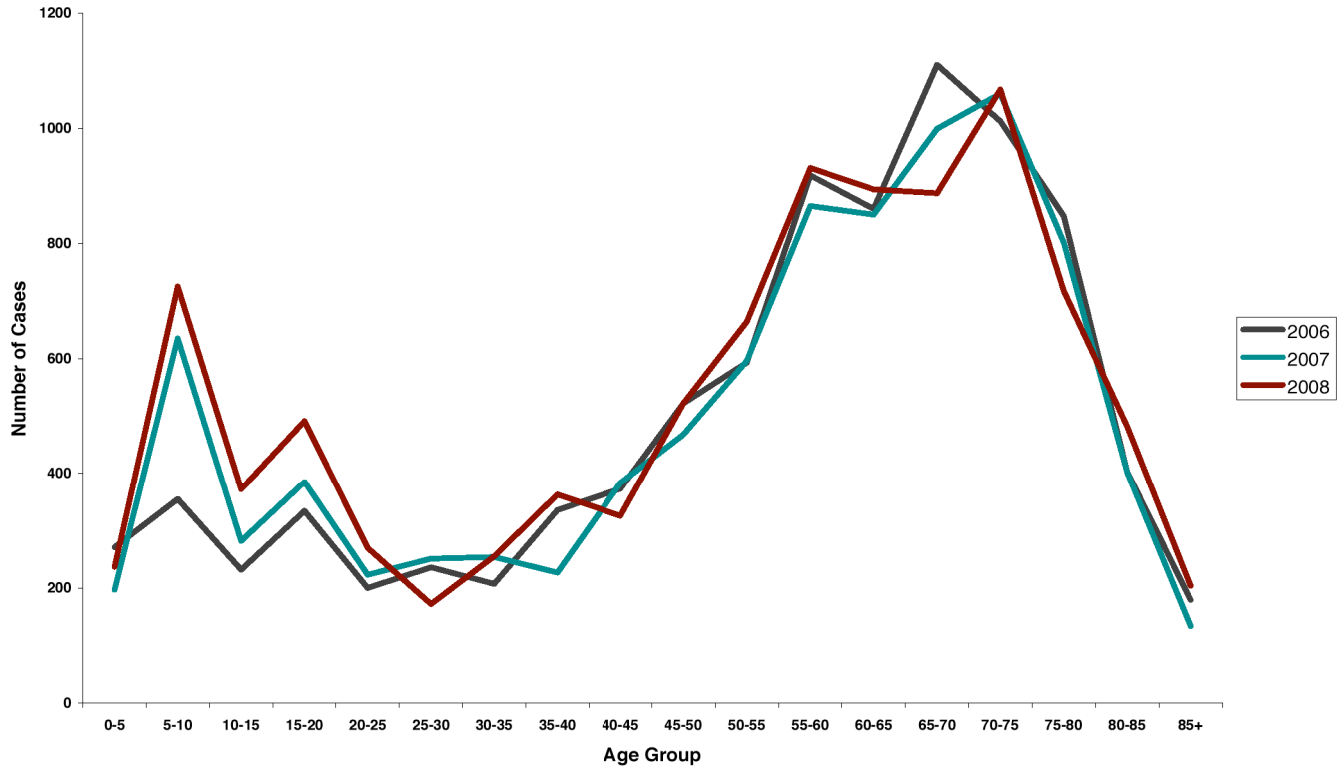
When looking at cardiovascular hospitalized cases across age groups, the highest number of cases were clustered in the 60-70 year old category. For males the peak number of cases was in the 60-70 age category, while for females it was reached at a later age (70-80 years old).

The trend in the number of hospitalized neoplasms in the eligible population was consistently increasing over the years between 2006 and 2008 over all age groups except in the age group 65-70 years old. But, the major peaks in 2008 were observed in the age groups 5-10 , 15-20, 45-50, 55-60 and 70-75 years of age.

Graph 11: The Trend in MOPH Subsidized Hospitalized Cases of Neoplasms By Age Group, 2006-2008



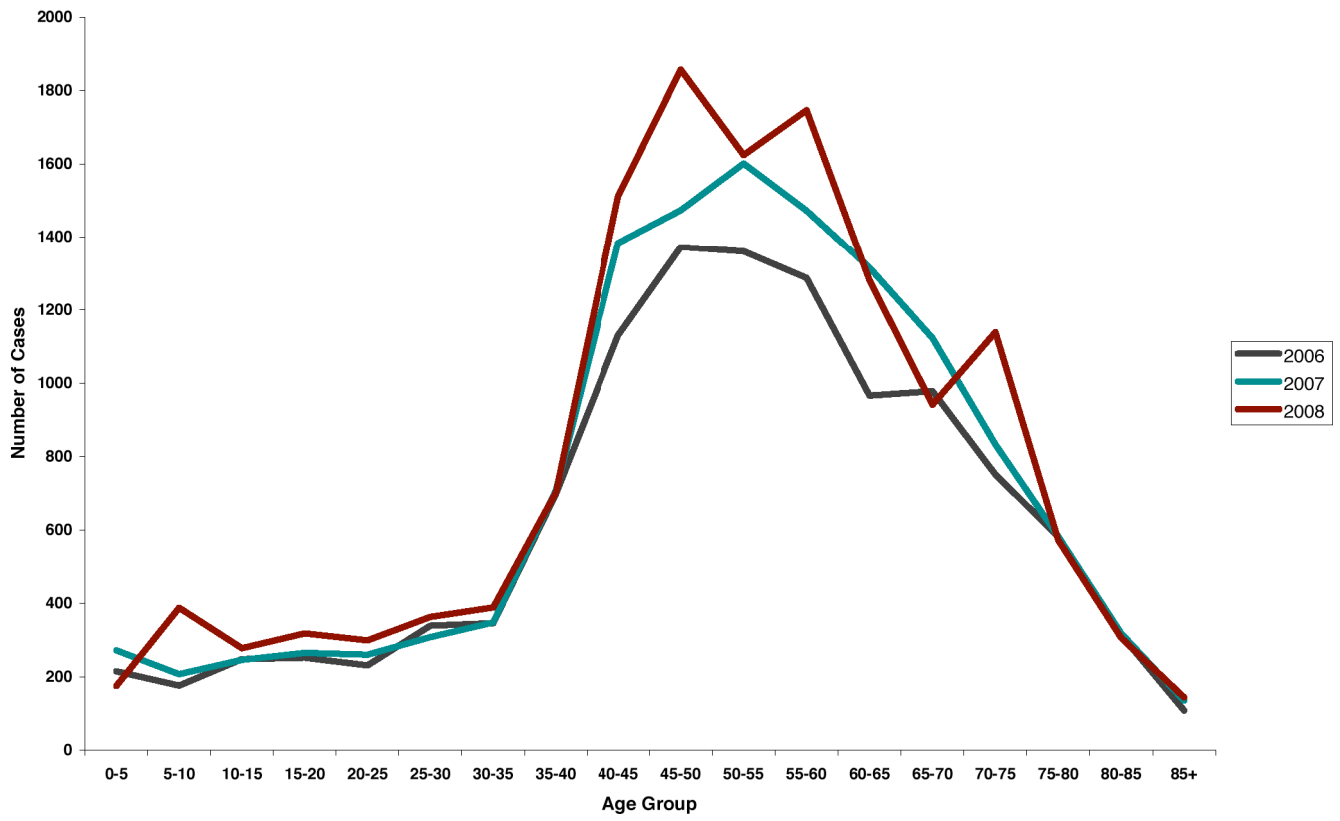
Graph 12: The Trend in MOPH Subsidized Hospitalized Male Cases of Neoplasms By Age Group, 2006-2008



Male cases of cancer showed an increase in the 5-10 years category, while it showed a significant drop in the age groups 25-30 and 65-70 years of age.

Female cases of cancer showed an overall increase especially in the age groups, 5-10 years, 45-50 and 55-60 years of age, which might be related to the treatment of certain types of cancer that require hospitalization.

Graph 13: The Trend in MOPH Subsidized Hospitalized Female Cases of Neoplasms By Age Group, 2006-2008



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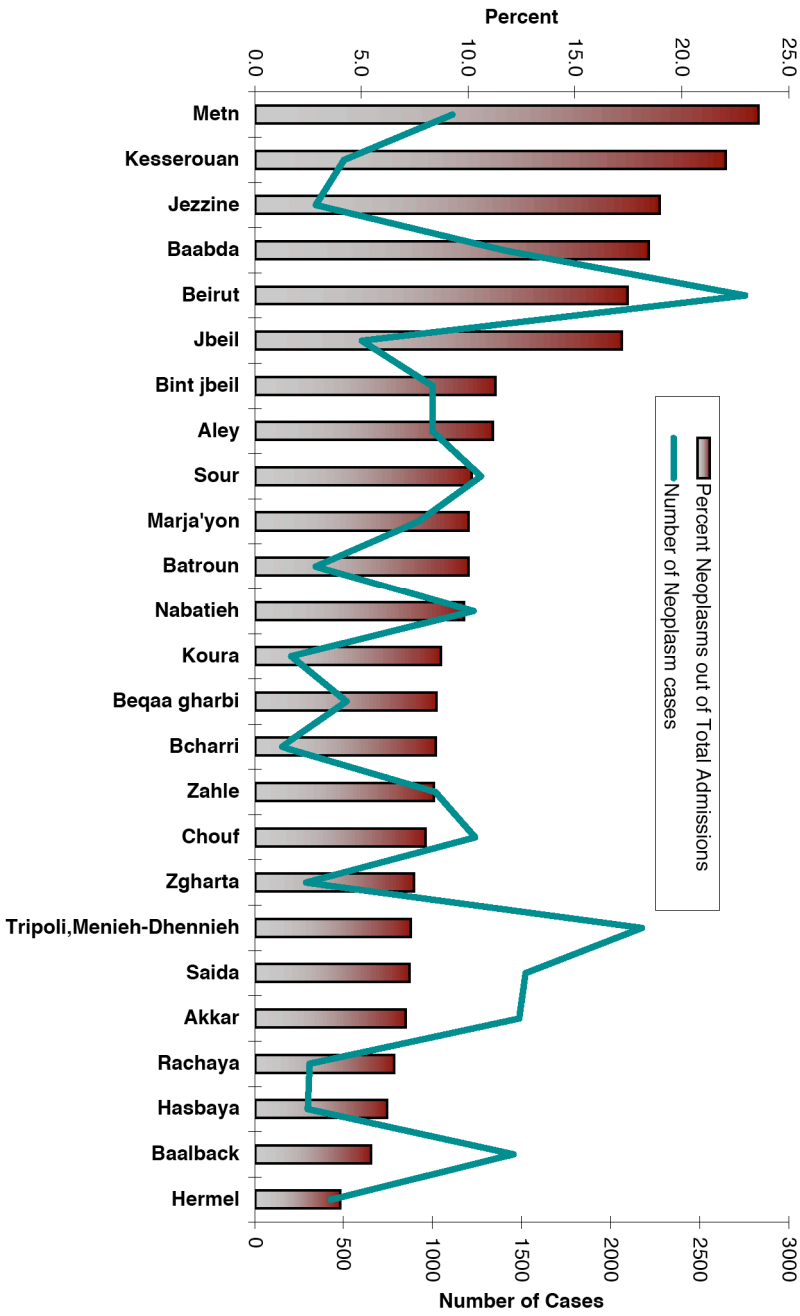
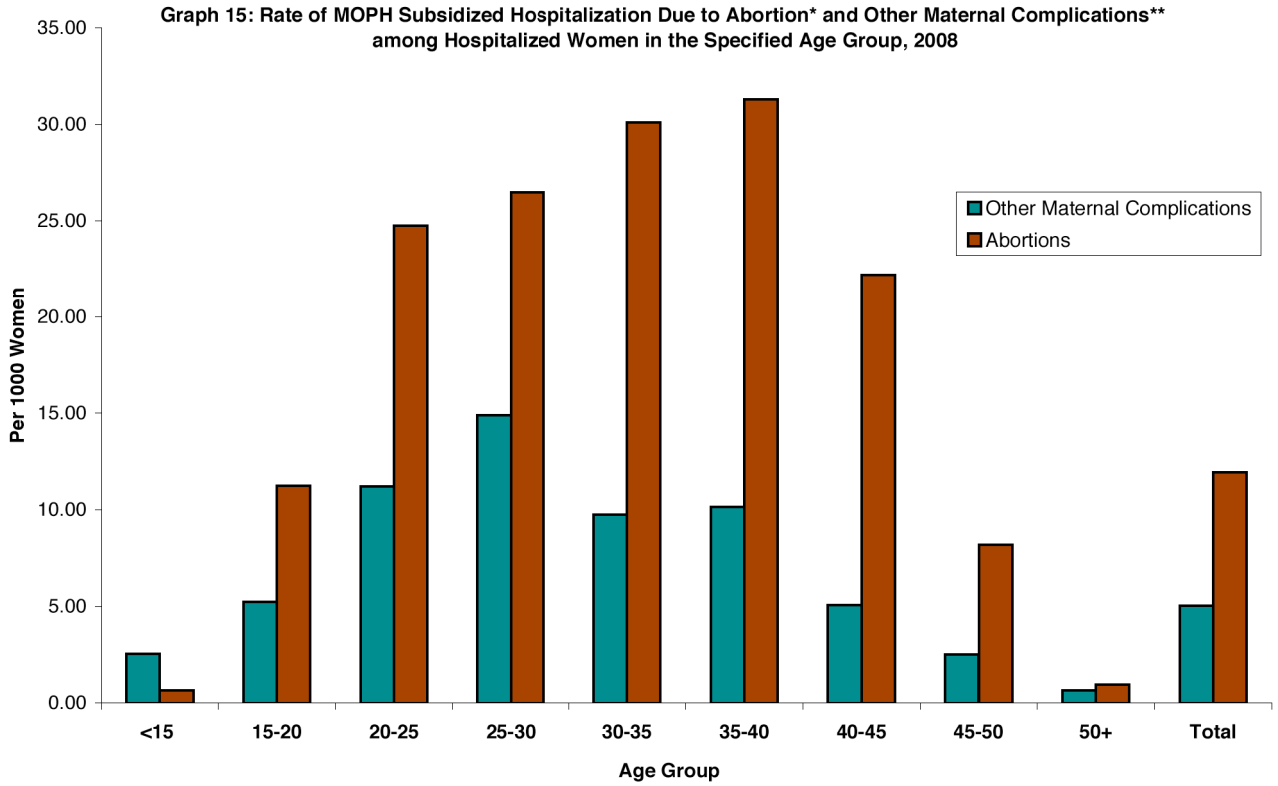


Graph 14: Total Hospitalized Neoplasm Cases and Percent out of Total Admissions By Qada, 2008

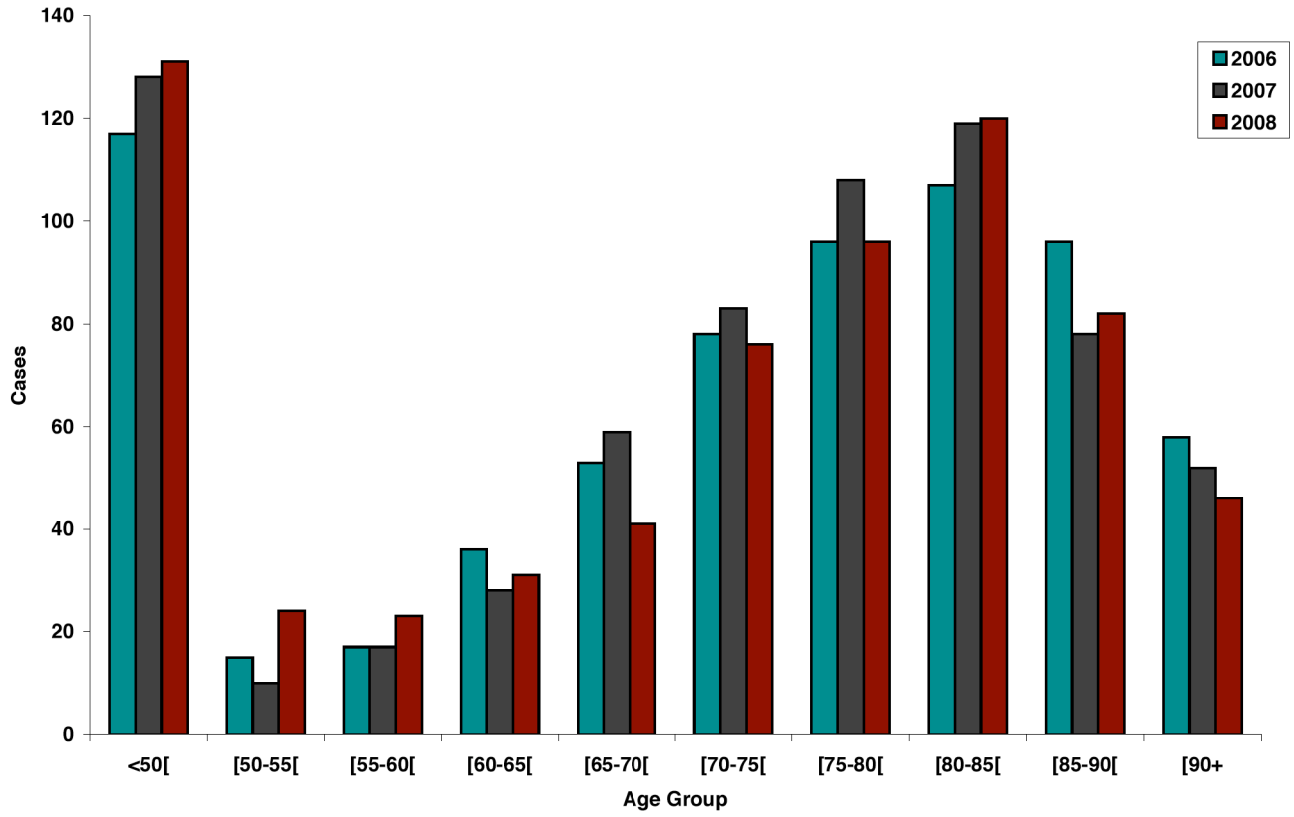
When analyzed by Qada of origin, and in an attempt to show the probable etiology of cancer, the highest number of cases was reported from Beirut, followed by Tripoli (including Minieh-Dhennieh) then by Akkar and Baalback, with the lowest number of cases being reported from Bcharri. However, Cancer presented the highest diagnoses (around 24%) among patients from Metn and the lowest diagnosis among patients from Hermel. In order to assess the exposure to carcinogens, however, both the place of origin (genetic predisposition, and somehow the lifestyle) as well as the place of residence over a period of time (environmental exposure, and lifestyle) should be analyzed.

The percent of maternal complications and abortions were analyzed across age groups of utilizing women. Among all treated women, 12 per 1000 had abortions and 5 per 1000 have experienced other maternal complications. More than 30% of women aged 35-40 presenting to the health services, had done so for abortions; while around 15% of utilizing women aged 25-30 years old, had done so for other maternal complications. On the other hand, both maternal complications and abortions were highest for the age group 25-30 with 28% and 21% of all presenting cases, respectively.



* ICD10 categories: O00-O08
**ICD10 categories: O10-O16, O20-O29, O60-O75, O85-O92, and O95-O99.

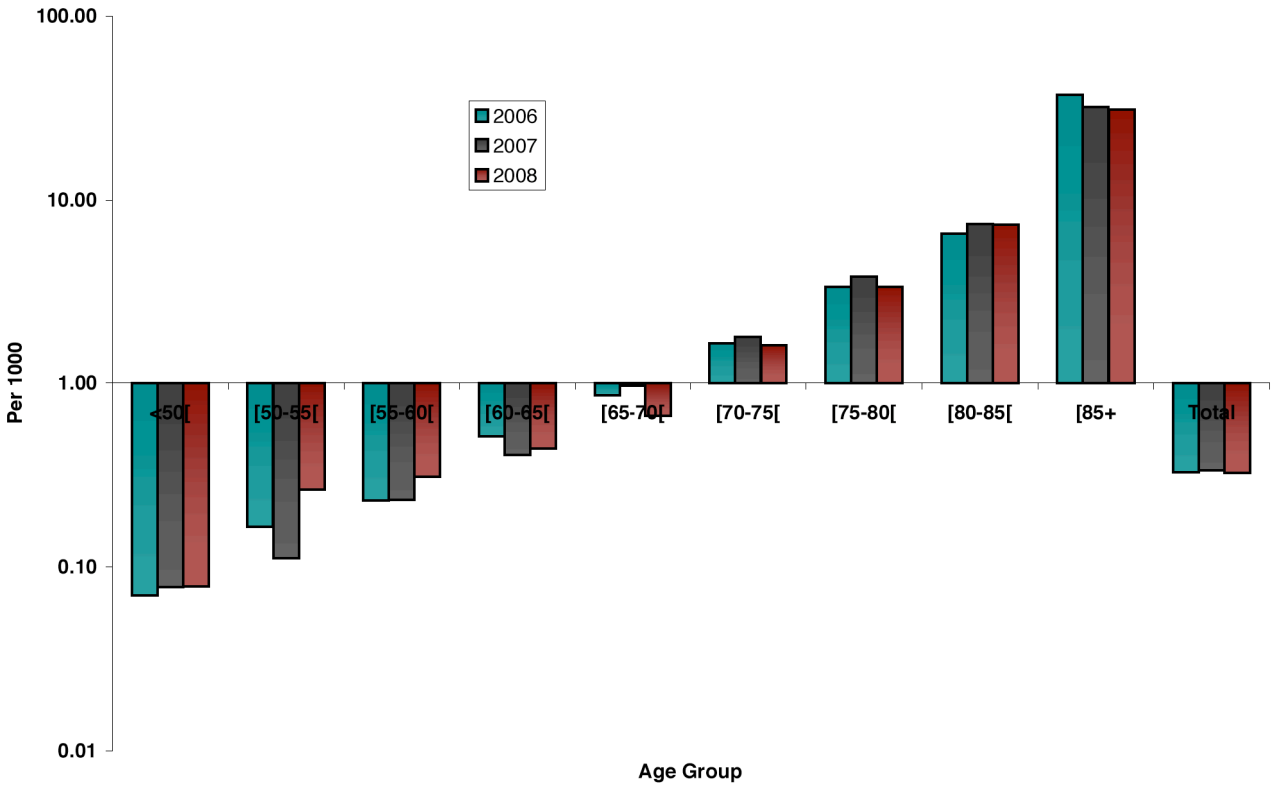
Graph 16: MOPH Subsidized Hip Fracture Cases By Age Group, 2006-2008



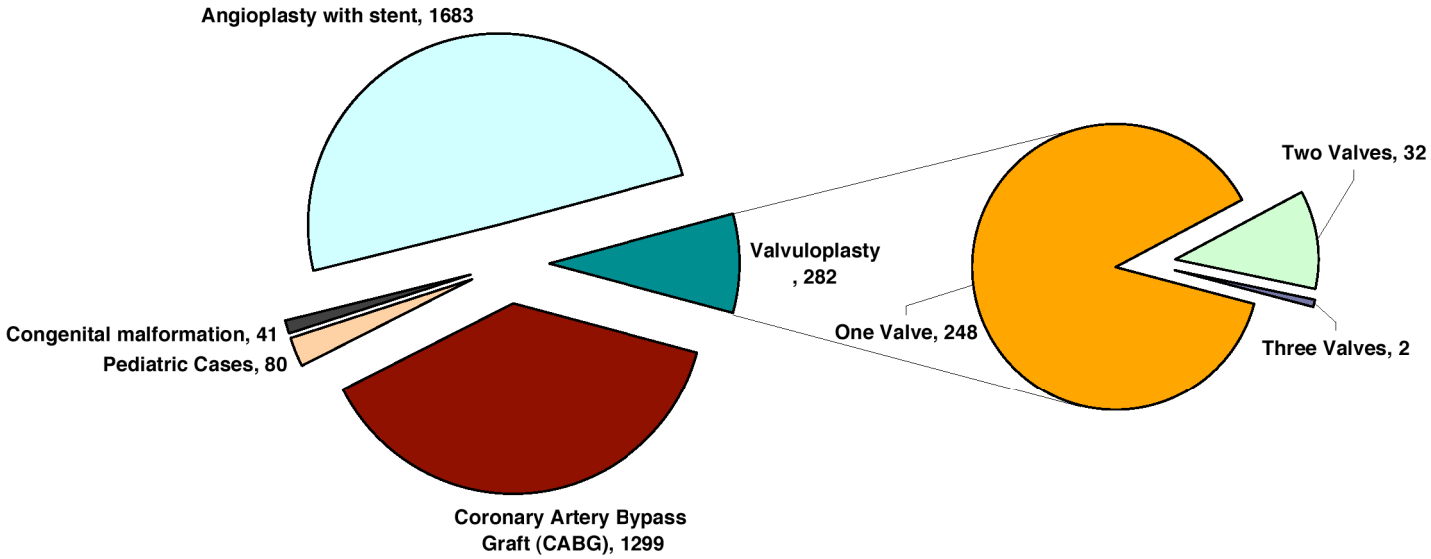
Cases of hip fracture hospitalized at the expense of the MOPH have increased in absolute numbers between 2006 and 2008 for those aged less than 50 years of age, while they have decreased for the age groups above 85.

When analyzed considering the eligible population for MOPH coverage, the risk for hospitalization due to hip fracture was less than one all over age groups, with no significant change over the years. Moreover, while it was highest for those more than 85 years of age, it was lowest for those less than 50, as expected.

Graph 17: Rate of Hospitalization Due to Hip Fracture Among MOPH Eligible Population By Age Group, 2006-2008



Graph 18: Number of MOPH Subsidized Open Heart Surgeries By Category, 2008



3525 applications for open heart surgeries were presented to the open heart committee at the MOPH during 2008. 140 operations were refused and 3385 were accepted for coverage and they costed the MOPH around 22 billion LBP. The 3385 cases were partitioned as 80 pediatric cases, 41 congenital malformations, 282 valvuloplasty, 1683 angioplasty with stent and 1299 Coronary Artery Bypass Graft (CABG).

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Table 11: HIV/AIDS Incidence and Prevalence, 2008

	Frequency	Percent	
Number of New Cases 2008	**116**		**عدد الحالات المبلغ عنها للعام 2008**
HIV	30	25.90	حامل الفيروس
AIDS	35	30.20	مصاب بالأيدز
Unspecified	51	43.90	غير محدد
Gender (incident cases)			**الجنس (للحالات الجديدة)**
Male	98	84.50	ذكر
Female	16	13.80	انثى
Unspecified	2	1.70	غير محدد
Age Structure			**توزع المرضى بحسب العمر**
< 31 years	41	35.3	دون 31 عاما
31-50	53	45.7	31-50
> 50 years	10	8.6	فوق 50 عاما
unspecified	12	10.4	غير محدد
Cumulative Number of Cases till November 2008	**1172**		**عدد الحالات التراكمية حتى تشرين الثاني 2008**
HIV		40.4	حامل الفيروس
AIDS		39.9	مصاب بالأيدز
Unspecified		19.7	غير محدد
Gender (cumulative cases)			**الجنس (للحالات التراكمية)**
Male		81.9	ذكر
Female		17.9	انثى
Unspecified		0.2	غير محدد
Age Structure			**توزع المرضى بحسب العمر**
< 31 years		16.9	دون 31 عاما
31-50		51.5	31-50
> 50 years		26.0	فوق 50 عاما
unspecified		5.6	غير محدد
Mode of Transmission			**طريقة انتقال العدوى**
Sexual relationship		67.6	جنسية
Blood transfusion		0.3	نقل دم
Intra venous drug usage		5.3	عن طريق تعاطي المخدرات
Mother to fetus		2.0	من الأم الى الجنين
Infected utensils		2.2	ادوات ملوثة
Unspecified		22.6	غير محدد
Sexual Behavior			**التصرف الجنسي**
Heterosexual-Normal		54.7	مختلط عادي
Bisexual		4.8	مختلط
Homosexual		17.6	مثلي
Unspecified		22.9	غير محدد
Travel behavior of cases			**توزع الحالات بالنسبة لعادات السفر**
Non- traveler		46.3	غير مسافر
traveler		39.8	مسافر
Unspecified		13.9	غير محدد

There were 30 new cases of HIV and 35 new cases of AIDS reported during 2008, and the cumulative number of HIV/AIDS till November 2008 was 1172. More than 35% of the new cases were less than 31 years of age, as compared to 17% in the cumulative cases which could mean that there is a shift in age of diagnosis towards the lowest age groups. Moreover, the mode of transmission was sexual in more than two-thirds of the cumulative cases.

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The national coverage rate of immunization for target children was 89% for measles containing vaccine, 94% for Oral Polio Vaccine and 93% for DPT, with some variations across Qada ranging from a low of 68% to a high of 99% in all children immunized, irrespective whether the vaccine was administered in the public or the private sector.

Table 12: Routine Immunization Coverage Rates by Qada, 2008

Qada	OPV3	DPT3	MCV1	القضاء
West beqaa	94%	94%	92%	البقاع الغربي
Hermel	90%	90%	82%	الهرمل
Baalbak	92%	90%	87%	بعلبك
Rashaya	98%	94%	93%	راشيا
Zahleh	95%	93%	93%	زحلة
Jezzine	92%	90%	92%	جزين
Sour	93%	90%	91%	صور
Saida	94%	92%	91%	صيدا
Batroun	89%	90%	89%	البترون
Koura	94%	94%	93%	الكورة
Bcharreh	96%	97%	94%	بشري
Zgharta	92%	92%	94%	زغرتا
Tripoli	96%	95%	84%	طرابلس
Dhennieh	80%	80%	68%	الضنية
Akkar	86%	86%	81%	عكار
Nabatieh	99%	98%	96%	النبطية
Bint Jbeil	99%	97%	91%	بنت جبيل
Hasbaya	93%	93%	81%	حاصبيا
Marjayoun	96%	95%	91%	مرجعيون
Chouf	95%	94%	94%	الشوف
Metn	95%	95%	93%	المتن
Baabda	97%	95%	92%	بعبدا
Jbeil	96%	95%	94%	جبيل
Aley	94%	91%	93%	عاليه
Kesserouan	95%	92%	94%	كسروان
Beirut	92%	87%	84%	بيروت
Total	**94%**	**93%**	**89%**	**المجموع**

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Table 13: Table Showing The Cases of Notifiable Diseases Reported to The MOPH By Month, 2008

	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vaccine Preventable Diseases													
Acute Flaccid Paralysis	**30**	4	4	4	1	3	1	1	3	3	3	0	3
Acute Poliomyelitis	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Diphteria	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Measles	**24**	0	1	3	5	5	2	2	0	1	1	2	2
Mumps	**229**	26	35	66	32	32	17	9	2	2	3	2	3
Pertussis	**50**	4	4	3	4	5	7	7	5	7	1	1	2
Rabies	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	**18**	0	3	3	0	3	2	0	3	0	4	0	0
Tetanus	**2**	0	0	0	0	0	0	1	0	0	1	0	0
tetanus neonatal	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis B	**241**	12	21	28	26	11	20	15	16	28	18	28	18
Food & Water Borne Diseases													
Brucellosis	**157**	12	9	16	13	11	13	23	22	11	14	11	2
Cholera	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Dysentery	**168**	8	8	10	15	7	11	28	25	13	20	13	10
Food Poisoning	**387**	2	11	1	6	3	65	51	49	70	120	2	7
Hydatic Cyst	**20**	2	6	1	3	4	0	1	2	1	0	0	0
Parasitic Worms	**41**	2	6	3	8	4	4	3	1	5	4	1	0
Trichinosis	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	**567**	18	26	42	33	37	79	86	79	49	57	32	29
Viral Hepatitis A	**648**	70	63	47	48	49	48	38	54	50	53	61	67
Other Diseases													
Bilharziasis	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Creutzfeld Jakob Disease	**1**	0	0	0	0	0	1	0	0	0	0	0	0
Ebola	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Gonorrhea	**7**	1	1	0	1	0	0	2	1	1	0	0	0
Leishmaniasis	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Leprosy	**1**	0	0	0	0	0	0	0	0	0	0	1	0
Malaria	**39**	3	3	2	1	0	3	3	8	4	6	3	3
Meningitis	**237**	9	18	17	13	10	21	28	39	35	18	23	6
Plague	**0**	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis	**4**	0	0	0	0	1	0	1	0	1	0	1	0
Typhus	**4**	0	0	0	0	0	0	4	0	0	0	0	0
Viral Hepatitis C	**67**	6	11	5	6	3	7	9	5	2	4	5	4
Yellow Fever	**0**	0	0	0	0	0	0	0	0	0	0	0	0

The Epidemiological Surveillance Unit at the Ministry of Health receives notifications about vaccine preventable diseases, food and water borne diseases as well as other diseases. 241 Hepatitis B cases were reported during 2008, and 648 cases of Hepatitis A, while meningitis had 237 reported cases.

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When reported diseases were analyzed by gender, it was shown that males had higher number of cases than females except in few diseases (pertussis, hydatid cyst, parasitic worms, typhoid fever and syphilis) whereby female cases were higher although it was not significantly so.

Table 14: Table Showing The Cases of Notifiable Diseases Reported to The MOPH By Age and Gender, 2008

	TOTAL	0-4 years	5-9 years	10-19 years	20-39 years	40-59 years	60+ years	Unknown age	Male	Female	Sex unknown
Vaccine Preventable Diseases											
Acute Flaccid Paralysis	**30**	8	4	7	3	5	3	0	17	13	0
Acute Poliomyelitis	**0**	0	0	0	0	0	0	0	0	0	0
Diphteria	**0**	0	0	0	0	0	0	0	0	0	0
Measles	**24**	15	3	3	2	0	0	1	17	7	0
Mumps	**229**	28	71	113	12	1	1	3	140	89	0
Pertussis	**50**	41	6	3	0	0	0	0	20	30	0
Rabies	**0**	0	0	0	0	0	0	0	0	0	0
Rubella	**18**	12	3	2	0	0	0	1	9	9	0
Tetanus	**2**	0	0	1	0	1	0	0	1	1	0
tetanus neonatal	**0**	0	0	0	0	0	0	0	0	0	0
Viral Hepatitis B	**241**	0	2	20	119	65	24	11	168	70	3
Food & Water Borne Diseases											
Brucellosis	**157**	6	15	20	46	37	32	1	81	76	0
Cholera	**0**	0	0	0	0	0	0	0	0	0	0
Dysentery	**168**	49	31	14	22	21	22	9	88	79	1
Food Poisoning	**387**	17	47	122	101	36	18	46	215	172	0
Hydatic Cyst	**20**	0	0	0	6	8	4	2	7	13	0
Parasitic Worms	**41**	4	2	5	7	7	12	4	17	24	0
Trichinosis	**0**	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	**567**	76	63	116	162	81	53	16	278	288	1
Viral Hepatitis A	**648**	85	190	219	120	9	2	23	379	269	0
Other Diseases											
Bilharziasis	**0**	0	0	0	0	0	0	0	0	0	0
Creutzfeld Jakob Disease	**1**	0	0	0	0	0	1	0	1	0	0
Ebola	**0**	0	0	0	0	0	0	0	0	0	0
Gonorrhea	**7**	0	0	0	6	1	0	0	7	0	0
Leishmaniasis	**0**	0	0	0	0	0	0	0	0	0	0
Leprosy	**1**	0	0	0	0	1	0	0	1	0	0
Malaria	**39**	0	2	1	21	10	2	3	31	8	0
Meningitis	**237**	93	46	39	31	16	8	4	152	85	0
Plague	**0**	0	0	0	0	0	0	0	0	0	0
Syphilis	**4**	0	0	0	3	0	0	1	1	3	0
Typhus	**4**	0	0	0	1	0	2	1	3	1	0
Viral Hepatitis C	**67**	1	1	2	26	14	19	4	51	16	0
Yellow Fever	**0**	0	0	0	0	0	0	0	0	0	0

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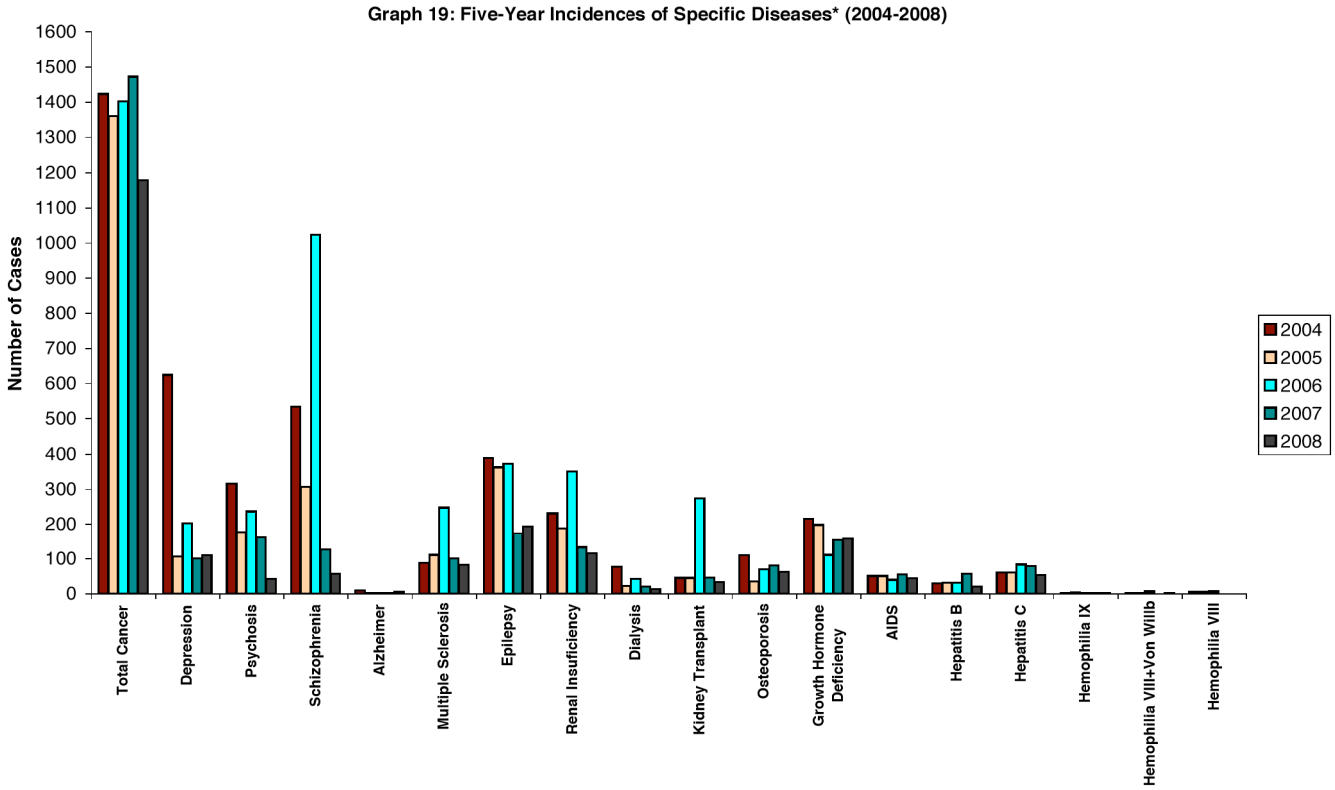
Table 15: Table Showing The Cases of Notifiable Diseases Reported to The MOPH By Mohafaza, 2008

	TOTAL	North	Beqaa	Nabatieh	South	Mount-Lebanon	Beirut	Unknown
Vaccine Preventable Diseases								
Acute Flaccid Paralysis	**30**	6	2	0	4	12	4	2
Acute Poliomyelitis	**0**	0	0	0	0	0	0	0
Diphteria	**0**	0	0	0	0	0	0	0
Measles	**24**	6	9	2	3	4	0	0
Mumps	**229**	3	87	17	104	15	0	3
Pertussis	**50**	14	25	5	2	3	1	0
Rabies	**0**	0	0	0	0	0	0	0
Rubella	**18**	3	8	1	2	4	0	0
Tetanus	**2**	2	0	0	0	0	0	0
tetanus neonatal	**0**	0	0	0	0	0	0	0
Viral Hepatitis B	**241**	25	20	41	26	67	32	30
Food & Water Borne Diseases								
Brucellosis	**157**	23	56	16	12	43	6	1
Cholera	**0**	0	0	0	0	0	0	0
Dysentery	**168**	16	5	1	1	132	7	6
Food Poisoning	**387**	242	30	16	64	32	2	1
Hydatic Cyst	**20**	0	8	5	2	2	2	1
Parasitic Worms	**41**	1	0	2	0	13	24	1
Trichinosis	**0**	0	0	0	0	0	0	0
Typhoid Fever	**567**	171	114	60	30	142	25	25
Viral Hepatitis A	**648**	290	150	26	15	132	15	20
Other Diseases								
Bilharziasis	**0**	0	0	0	0	0	0	0
Creutzfeld Jakob Disease	**1**	0	0	0	0	0	1	0
Ebola	**0**	0	0	0	0	0	0	0
Gonorrhea	**7**	0	0	0	0	6	0	1
Leishmaniasis	**0**	0	0	0	0	0	0	0
Leprosy	**1**	1	0	0	0	0	0	0
Malaria	**39**	8	2	1	2	15	4	7
Meningitis	**237**	57	21	23	13	108	15	0
Plague	**0**	0	0	0	0	0	0	0
Syphilis	**4**	0	0	0	1	1	0	2
Typhus	**4**	1	0	0	0	2	1	0
Viral Hepatitis C	**67**	7	3	7	6	26	9	9
Yellow Fever	**0**	0	0	0	0	0	0	0

The distribution of the diseases across Mohafazats showed that Mumps had highest number of cases from the South, while Pertussis, Rubella, and Brucellosis were highest in the Beqaa; viral hepatitis B, and C, Meningitis, Malaria and Dysentery were highest in Mount Lebanon; and Viral A was highest in the North.

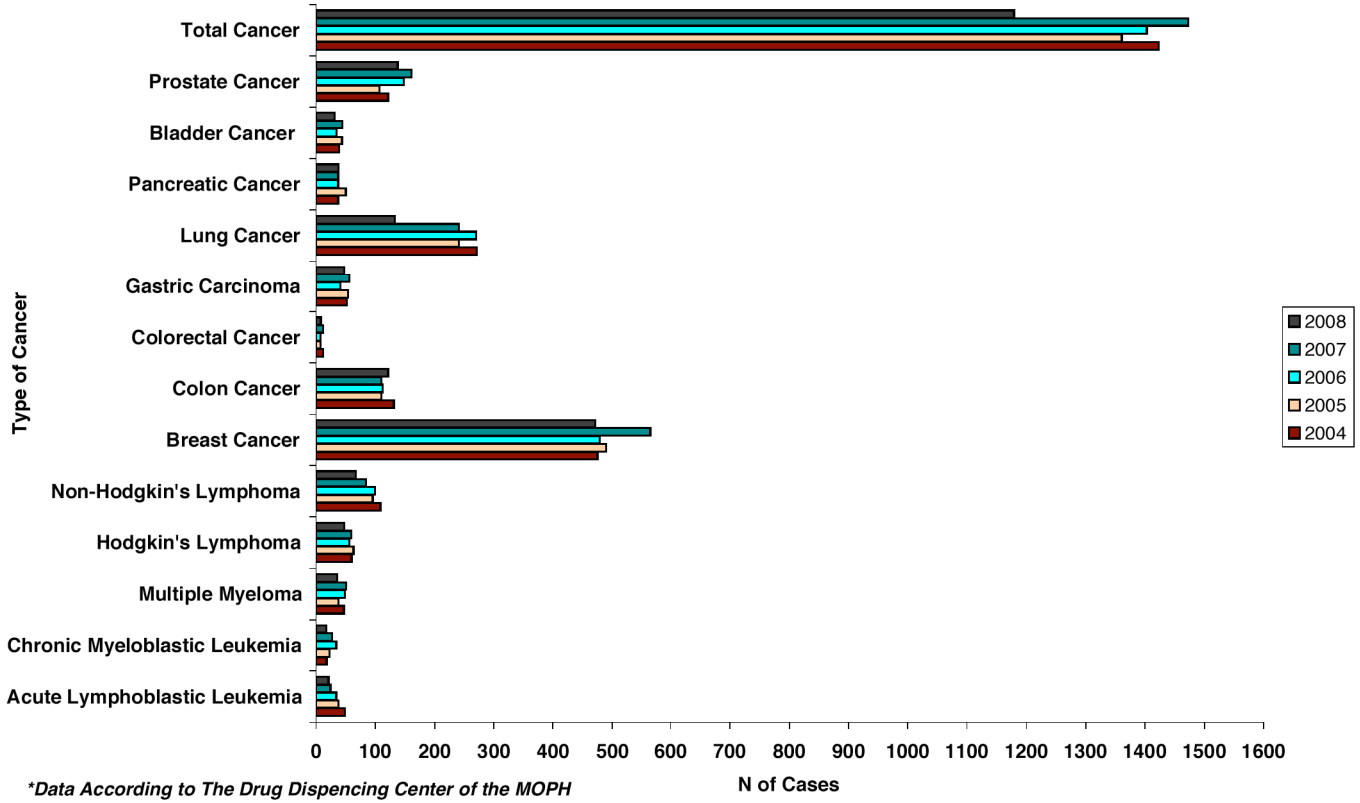


**Data According to The Drug Dispencing Center of the MOPH*

The Drug Dispensing Center (DDC) of the MOPH distributes drugs free of charge for all eligible patients across categories of dreadful diseases. The budget of drugs procurement at the Ministry of Public Health, which was in 2008 higher than 2007 by 1%, is still not enough considering the increase in number of cases of certain diseases which makes a virtual decrease in the number of some diseases, while it might be merely due to lack of or insufficient budget.

The highest number of cases benefiting from the drugs at the DDC was for Cancer which used around more than three quarters of the drug budget for the year 2008. The cancer of the highest incidence in 2008 was breast cancer, followed by prostate cancer, then lung and colon cancers.

Graph 20: Trend in Treated Incident cases Of Some Types of Cancer*, 2004-2008



*Data According to The Drug Dispencing Center of the MOPH

Table 16: Trends in Cases of Selected Chronic Conditions* Between 2004 and 2008

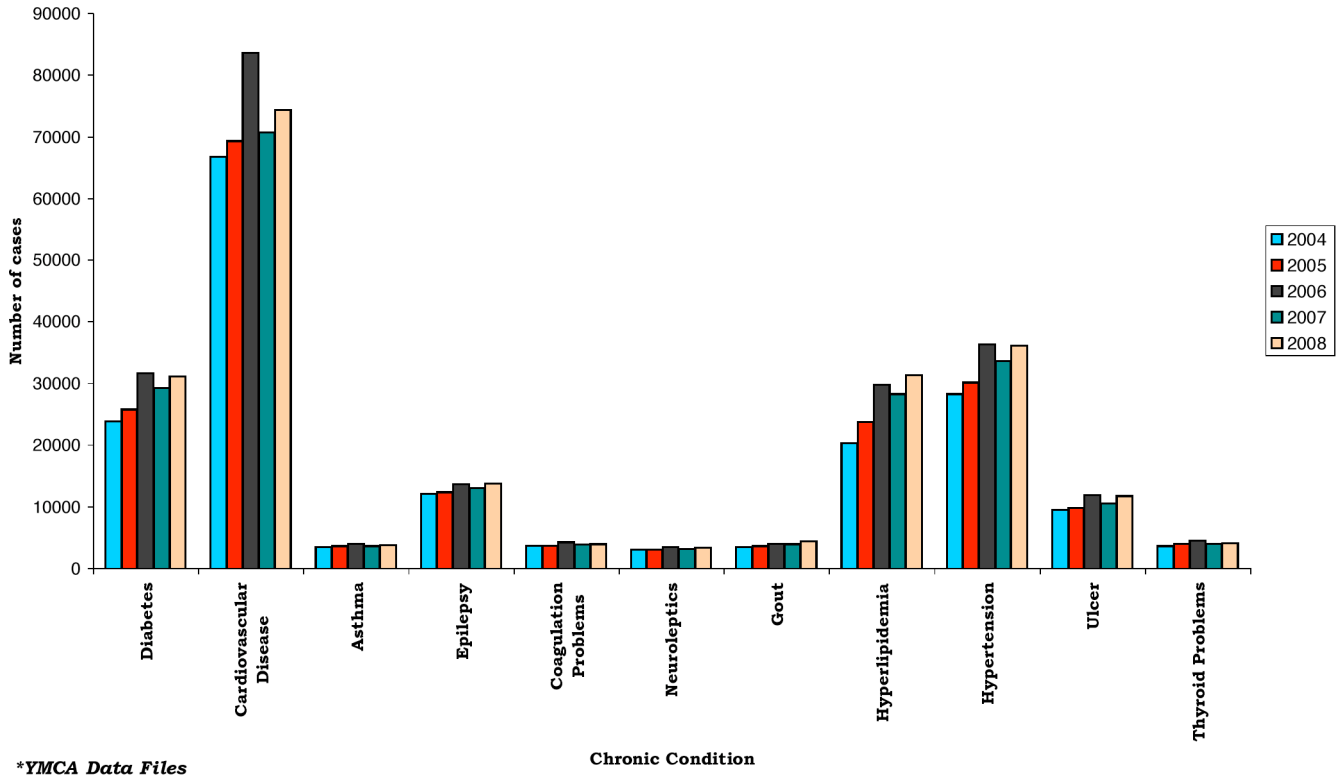
Chronic Condition	2004			2005			2006			2007			2008		
	M	F	Total	M	F	Total	M	F	T	M	F	T	M	F	T
Diabetes	9699	14104	**23803**	10562	15174	**25736**	13085	18539	**31624**	12168	17117	**29285**	12943	18224	**31167**
Cardiovascular Disease	27732	39100	**66832**	28679	40724	**69403**	36030	47561	**83591**	29256	41519	**70775**	30789	43630	**74419**
Asthma	1623	1844	**3467**	1720	1935	**3655**	1942	2124	**4066**	1718	1930	**3648**	1770	2031	**3801**
Epilepsy	6545	5619	**12164**	6643	5708	**12351**	7379	6353	**13732**	7091	6021	**13112**	7475	6275	**13750**
Coagulation Problems	1947	1770	**3717**	1951	1814	**3765**	2190	2122	**4312**	1966	1900	**3866**	2024	1935	**3959**
Neuroleptics	1415	1683	**3098**	1421	1697	**3118**	1611	1899	**3510**	1415	1800	**3215**	1593	1813	**3406**
Gout	1965	1570	**3535**	2033	1631	**3664**	2238	1796	**4034**	2200	1760	**3960**	2417	1983	**4400**
Hyperlipidemia	9192	11153	**20345**	10873	12903	**23776**	13612	16116	**29728**	12947	15289	**28236**	14234	17099	**31333**
Hypertension	10990	17251	**28241**	11836	18299	**30135**	14310	21952	**36262**	13498	20119	**33617**	14685	21406	**36091**
Ulcer	3880	5583	**9463**	3976	5841	**9817**	4661	7241	**11902**	4235	6377	**10612**	4672	7078	**11750**
Thyroid Problems	592	3090	**3682**	654	3372	**4026**	714	3806	**4520**	685	3394	**4079**	700	3397	**4097**
Total	**75580**	**102767**	**178347**	**80348**	**109098**	**189446**	97772	129509	**227281**	87179	117226	**204405**	93302	124871	**218173**

** Young Male Christian Association (YMCA) Data Files*

The MOPH had contracted with The Young Male Christian Association (YMCA) to purchase and distribute chronic diseases drugs in health centers all over Lebanon. Cardiovascular disease and hypertensive drugs were the highest in number and neuroleptics were the lowest.

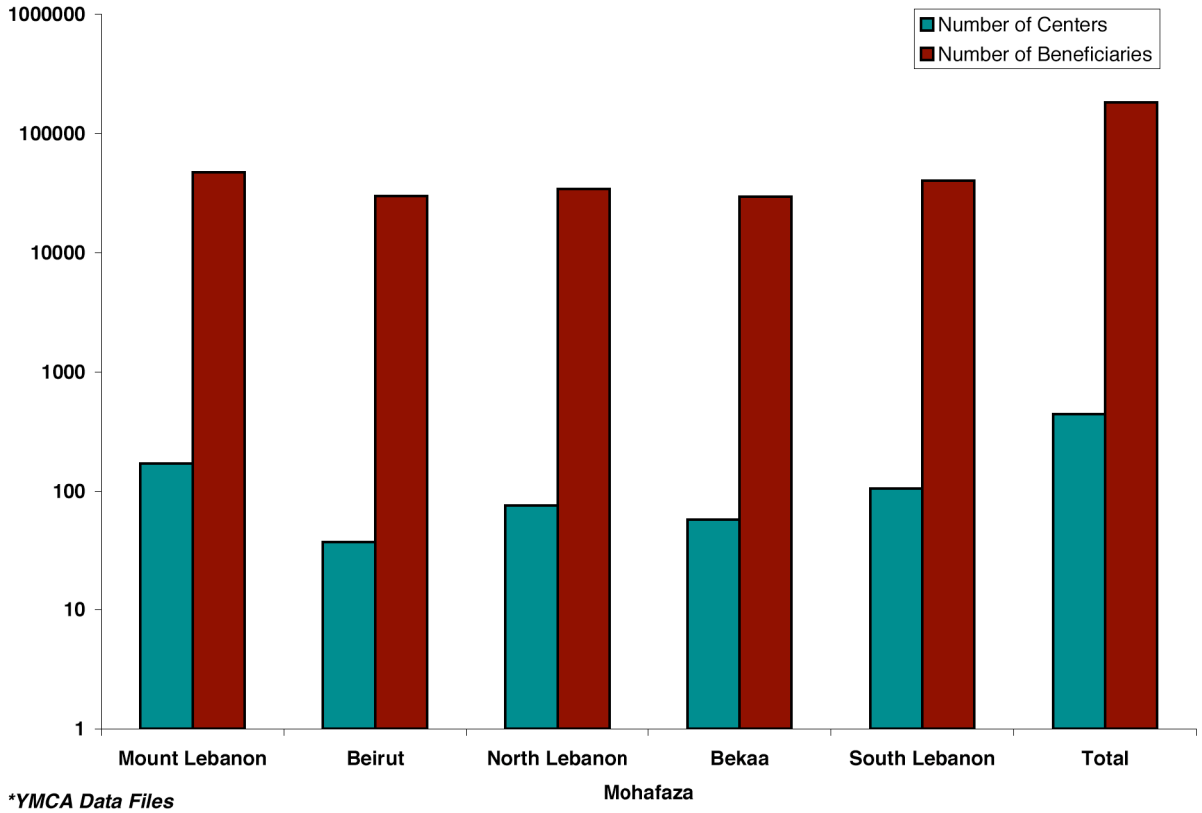
When compared with 2007, 2008 showed higher numbers of cases all over the categories of chronic conditions. 2006 numbers remain higher, though, due to the July 2006 war which resulted in higher unexpected coverage irrespective of eligibility.

Graph 21: Cases of Chronic Conditions, 2004-2008



YMCA Data Files

Graph 22: Number of Socio-Medical Centers and Number of Beneficiaries By Mohafaza*, 2008

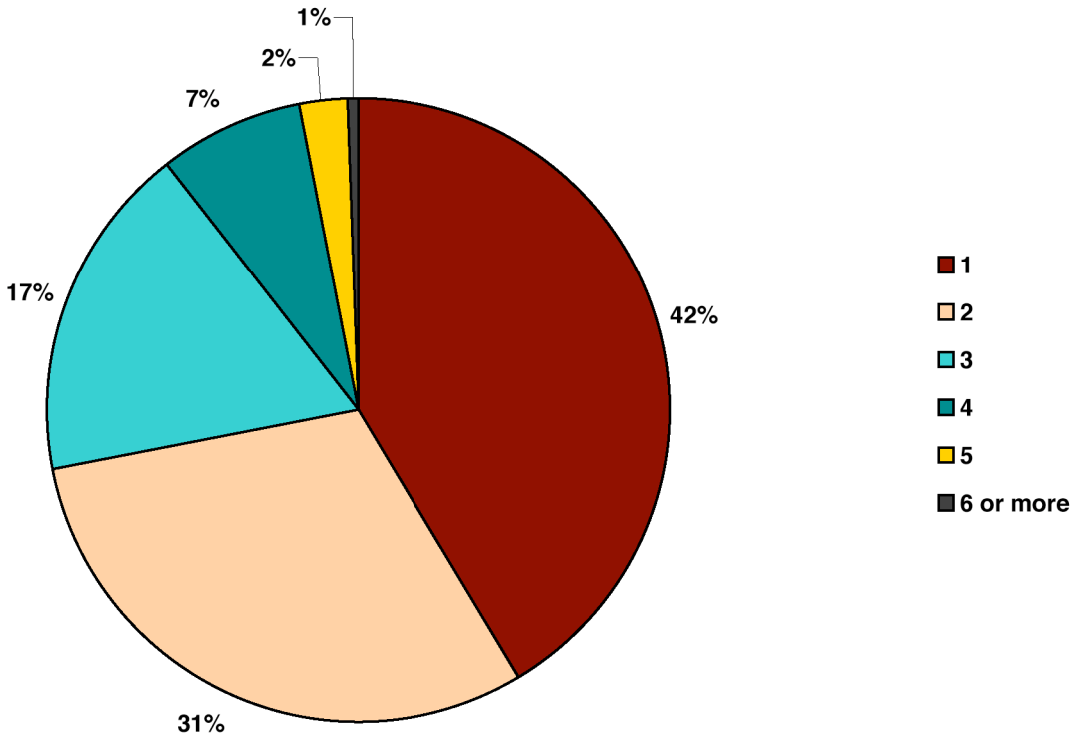


*YMCA Data Files

In 2008, there were 182,017 beneficiaries registered at the YMCA medical charts distributed almost evenly in all Mohafazats all over Lebanon, despite the fact that the majority of the contracted 447 socio-medical centers are present in Mount Lebanon (38.5%) and the South (23.7%).

When we analyze the YMCA records and check the morbidity per patient, we find that more than a quarter of the patients have 3 or more illnesses.

Graph 23: Number of Illnesses Per Patient*, 2008



*YMCA Data Files

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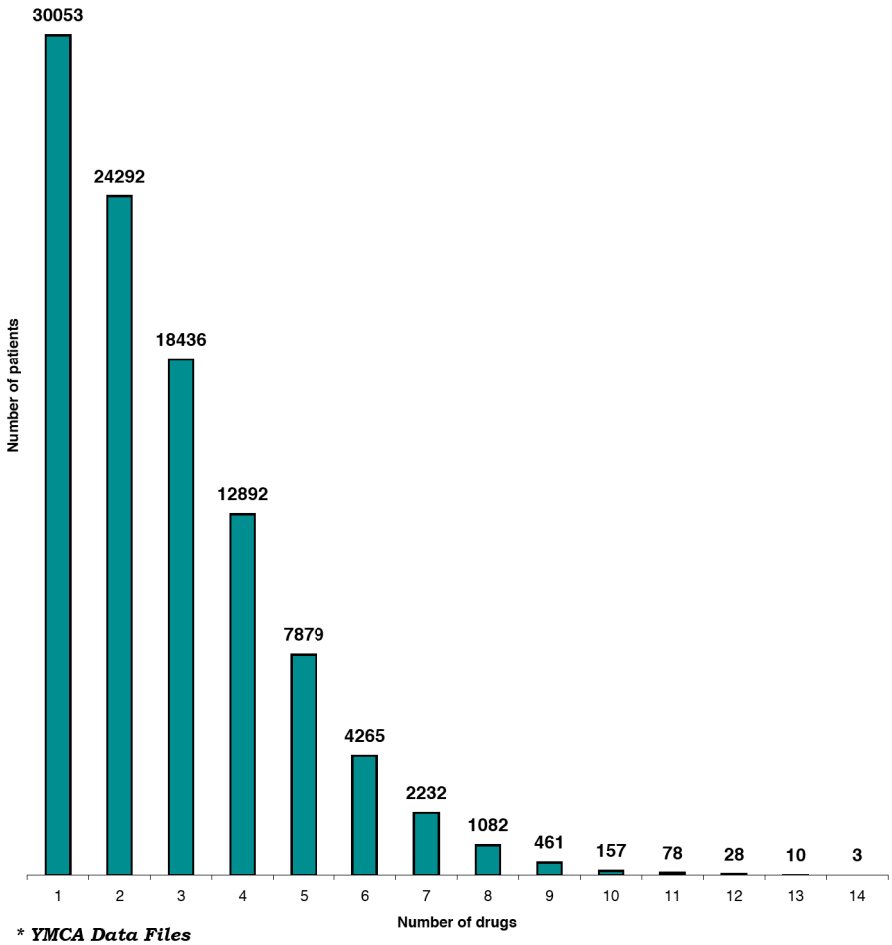
Checking the morbidity by the drug records of the YMCA, it was clear that some 50% of the patients were prescribed 3 or more drugs.

Graph 24: Chronic Drugs Per Prescription*, 2008



** YMCA Data Files*

Notes

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Notes