

MISSION PERMANENTE DU LIBAN
AUPRES DE
L'OFFICE DES NATIONS UNIES
A GENEVE

Rue de Moillebeau 58
1209 Genève

N/Ref.15/1/24/1- 41/2014.

The Permanent Mission of Lebanon to the United Nations Office and other International Organizations in Geneva presents its compliments to the Office of the High Commissioner for Human Rights, and in reference to its note verbale no. OHCHR/RRDD/HRESI Section/Children Rights/ dated 22 November 2013, and pursuant to the Mission's note verbale 15-1-24-1-20/2014 dated 27 January 2014, has the honour to enclose herewith the reply of the Lebanese Ministry of Social Affairs concerning the 'Preventable mortality and morbidity of children under 5 years of age as a human rights concern'.

The Permanent Mission of Lebanon avails itself of this opportunity to renew to the Office of the High Commissioner for Human Rights, the assurances of its highest consideration.

Geneva, 19 February 2014.



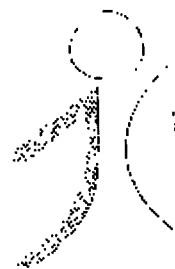
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21 FEB. 2014

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الجمهورية اللبنانية
وزارة الشؤون الاجتماعية
بيروت ٢٠١٤



الجمهورية اللبنانية
وزارة الشؤون الاجتماعية
الوزير

وزارة الخارجية والتعليم
17 FEB 2014
الرجاء انظر لتفصيل

٢٠١٤ / ٢٨

جانب وزارة الخارجية والمغتربين
مديرية المنظمات الدولية والمؤتمرات والعلاقات الثقافية

الموضوع : معلومات بشأن حالات الوفيات والامراض النفاسية
للأطفال ما دون سن الخامسة .

المرجع : كتاب رقم ٨/٢١١٨ الصادر بتاريخ ٢٩/١١/٢٠١٣

بناء على الموضوع والمرجع المبين اعلاه حول معلومات بشأن حالات الوفيات والامراض النفاسية
للأطفال ما دون سن الخامسة .

لذا تجوز مرفق ربط البيانات والمعلومات المتوفرة في المجلس الاعلى للطفولة التي تفيد
الموضوع المطلوب .

بيروت، ٢٨/١٤/٢٠١٤

وزير الشؤون الاجتماعية

والقنصل في بيروت فاعوز



مديرية الشؤون الاجتماعية
بيروت ٢٠١٤
٩٩٧

لقد أعد المجلس الأعلى للطفولة مسودة الإطار العام للطفولة المبكرة، بالمشاركة مع الوزارات المعنية وخبراء في هذا المجال، وهو يعمل حالياً على الصياغة النهائية لإستراتيجية وطنية حول الطفولة المبكرة في لبنان انطلاقاً من محاور الإطار العام.

المحاور تناولت :

I. تشكيل الوعي الوطني حول أهمية الطفولة المبكرة

الهدف الاستراتيجي الاول: تعزيز دور وسائل الاعلام في الترويج والمناصرة لقضية الطفولة المبكرة

الهدف الاستراتيجي الثاني: كسب دعم وتأييد اصحاب القرار

II. المحور الثاني: توفير التمويل والدعم المالي

الهدف الاستراتيجي الثالث: تأمين الموارد والتمويل اللازم لتنفيذ البرامج والنشاطات

III. آليات التنسيق والرصد والمتابعة

الهدف الاستراتيجي الرابع: تأسيس هيكليات مركزية ومناطقية

IV. الخدمات وبناء القدرات

الهدف الاستراتيجي الخامس: توفير خدمات متنوعة ومكافئة لتنمية ورعاية الطفولة المبكرة

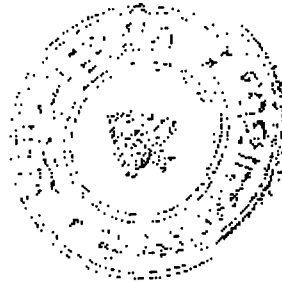
الهدف الاستراتيجي السادس: بناء قدرات الاهل حول تنمية ورعاية الطفولة المبكرة

الهدف الاستراتيجي السابع: تدريب وتأهيل مقدمي الرعاية حول تنمية ورعاية الطفولة المبكرة

V. الاطار التشريعي

والقانوني

الهدف الاستراتيجي الثامن: مراجعة وتعديل القوانين والانظمة والتدابير الخاصة بالطفولة المبكرة



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المعلومات المتوقعة من دراسة اعدتها وزارة الصحة :

- عدد حالات الاطفال المسجلين في كل شهر خلال العام ٢٠١١
- عدد حالات الاطفال المتوفين في كل شهر خلال العام ٢٠١١
- عدد توزيع السكان حسب المحافظات
- عدد حالات الحمل والولادة التي تواجه مشاكل صحية
- رسوم بيانية لحالات النيو بلازما (الجنس - العمر)
- رسوم بيانية لامراض (سرطان الثدي -امراض القلب) حسب القضاء
- عدد حالات الامراض المعدية التي تعالج باللقاحات خلال العام ٢٠١١ حسب (العمر والجنس والقضاء)
- وضع مسودة للطفولة المبكرة (المحاور) مع لائحة باسماء الشركاء اعدتها المجلس الاعلى للطفولة



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وزارة الصحة العامة
لبنان

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For comments and suggestions,
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Table 1: Selected Indicators of Lebanon, 2009-2011

	Unit	2009	2010	2011	Latest figures (year)
Demographic Indicators					
Population Estimate ¹	1000 citizens	3,891	3,962	4,036	4,036 (2011)
Number of Births		82,206	91,795	97,887	97,887 (2011)
Number of Deaths		29,858	27,221	25,252	25,252 (2011)
Crude Birth Rate	per 1000 mid year pop	21.1	23.2	24.3	24.3 (2011)
Crude Death Rate	per 1000 mid year pop	7.7	6.9	6.3	6.3 (2011)
Population Growth Rate		1.7	1.8	1.8	1.8 (2011)
Population by Age					
	< 15 percent	24.8	24.8	24.6	24.6 (2011)
	65+ percent	9.8	9.8	9.7	9.7 (2011)
Dependency ratio		52	52	52	52 (2011)
Unemployment Ratio (for ages 15-64)					
Total Fertility Rate					1.9 (2004)
Budgetary Resources Indicators					
Total GDP	Billion Leb. Pounds	52,237	52,045	52,045	52,045 (2010)
Allocated to MOPH from Total Gov Budget	percent	2.7	2.7	2.7	2.7 (2011)
Annual Budget of MOPH	Billion Leb. Pounds	1,427	1,427	1,427	627.6 (2011)
Annual Budget of MOPH per capita	\$US	73	73	73	87 (2011)
National Health Expenditure per capita	\$US				460 (2005)
National Health Expenditure as % GDP	percent				0.9 (2005)
Manpower and Physical Resources Indicators					
	per 1000 population				
Physicians					12.0 (2011)
Dentists					14.7 (2011)
Pharmacists			14.6	15.2	15.2 (2011)
Nursing and Midwifery Personnel		22.2	23.3	23.3	23.3 (2011)
Hospital Beds					34.5 (2011)
Coverage of Primary Health Care Services					
Infants Fully Immunized-DPT	Percent Immunized	96	94	95	95 (2011)
Infants Fully Immunized-OPV	Percent Immunized	98	94	96	96 (2011)
Infants Fully Immunized-Measles	Percent Immunized	98	96	98	98 (2011)
Infants Fully Immunized-Hepatitis B	Percent Immunized	98	94	95	96 (2011)
Population with Access to Safe Drinking Water	percent				100 (2004)
Married Women Using Contraceptives	percent	54			54 (2004)
Health Status Indicators					
Infant Mortality Rate	per 1000 Live Births				9 (2009)
Less than five mortality rate	per 1000 Live Births				10 (2009)
Maternal Mortality Ratio	per 100,000 Live Births			26	26 (2011)
Selected Morbidity Indicators					
	Number of Notified Cases				
Cholera					
Polio					
Measles			1		
Diphtheria		0	0		0
Tetanus		2			2
Neonatal Tetanus					
Walteria					
AIDS					
Sources of Information					
National Institute of Statistics					
Expanded Program on Immunization, MOPH					
Estimated Population Figures 2004 and 2007 Household surveys (CAS) in addition to registered Births and Deaths at Dept of Statistics					
MICS 2005 / UNICEF					
Government Budget					

¹ Excluding Palestinian Camps which gather around 227,000 residents according to UNRWA latest figures.

There were registered and reported 97,887 births in Lebanon during the year 2011. It is worth noting that data flaws are expected. There is a delay in registration which might affect the accuracy of the number given in a year. In addition, there should always be consideration for the births occurring abroad and are yet registered which overestimates the actual resident births.

Table 3: Number of Registered Births By Month and Qada, 2011

Qada	January	February	March	April	May	June	July	August	September	October	November	December	Total
Akkar	1169	824	969	873	882	940	841	853	977	885	815	856	10884
Aley	168	119	165	256	156	178	209	174	180	169	141	119	2034
Baabda	212	132	153	181	146	138	176	212	207	196	125	150	2028
Baalback	963	749	833	297	791	777	907	734	987	815	750	678	9281
Batroun	80	92	99	87	141	133	96	89	103	148	67	114	1251
Beharri	149	91	107	118	179	158	109	100	87	94	64	133	1389
Beqaa gharbi	296	202	287	205	232	216	281	217	222	241	154	218	2771
Blat jbell	485	293	367	338	393	338	366	330	640	373	305	378	4606
Chouf	390	315	361	334	365	306	352	376	436	354	288	308	4185
Hasbaya	85	107	56	81	100	104	115	120	91	88	75	119	1141
Hermel	156	148	210	123	125	138	119	136	190	174	123	170	1832
Jbeil	163	126	118	118	125	132	154	136	166	165	116	130	1651
Jezzine	110	54	75	81	87	111	95	72	102	119	85	85	1076
Kessrouan	116	98	131	109	143	148	135	141	140	131	116	106	1516
Koura	124	66	84	99	109	93	84	75	119	117	127	88	1185
Marjayoun	351	272	258	273	248	311	321	283	344	345	815	276	4097
Menich-dennieh	360	311	437	418	430	377	343	340	393	480	141	396	4426
Metn	143	129	136	154	137	155	155	177	208	163	126	139	1822
Nabatieh	220	141	170	139	143	150	168	171	196	88	164	186	1936
Rachaya	175	100	116	72	160	94	102	85	146	106	61	103	1320
Saida	810	803	769	791	858	783	767	757	799	678	741	915	9471
Sour	532	470	543	499	473	460	440	552	550	511	421	409	5850
Tripoli	588	451	525	552	510	565	591	577	581	362	466	511	6279
Zable	436	325	347	330	375	348	397	335	445	394	291	313	4336
Zgharta	187	173	273	266	286	155	176	158	190	223	146	122	2355
Beirut	837	720	699	778	843	736	728	732	800	847	684	761	9165
Total	305	1713	3088	2508	2839	3064	3497	7932	9301	99266	7407	2783	97887

Table 4: Number of Births That Have Occurred and Were Registered in 2011, By Qada

Qada	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Akkar	762	767	767	700	628	755	778	790	895	838	746	798	9224
Aley	96	104	137	126	127	151	182	170	171	149	139	117	1669
Baabda	79	79	105	118	107	114	148	177	178	166	114	135	1520
Bealback	483	521	550	16	601	571	722	648	852	727	695	638	7024
Batroun	49	46	60	45	78	88	68	73	71	89	57	75	799
Bcharri	33	28	26	14	38	46	43	47	40	54	44	50	463
Beqaa gharbi	115	100	132	131	146	152	196	162	180	174	131	168	1787
Bint jbeil	152	179	241	225	272	243	280	266	475	304	305	378	3320
Chouf	191	213	271	260	274	286	312	350	375	321	269	266	3388
Hasbaya	85	79	44	70	81	75	85	97	91	88	75	119	989
Hermel	156	119	191	109	116	155	115	133	184	167	121	170	1736
Jbell	82	91	90	93	108	116	129	123	150	146	111	124	1363
Jezzine	36	37	58	68	70	83	77	61	92	97	71	74	827
Kesserouan	49	63	100	85	110	115	121	122	125	120	114	95	1219
Koura	33	38	52	50	53	64	60	53	90	77	62	62	694
Marjeyyon	146	159	162	181	174	212	239	226	305	291	746	236	3077
Menieh-dennieh	172	237	284	256	247	258	279	288	318	332	271	311	3253
Metn	79	115	118	145	128	144	152	174	206	161	125	133	1680
Nabatieh	162	132	168	135	141	145	166	167	191	88	164	185	1844
Rachaya	47	51	67	53	69	62	65	81	95	73	49	77	789
Saida	488	348	409	361	394	436	325	368	369	360	350	420	4628
Sour	299	293	330	342	381	380	328	451	494	457	378	345	4478
Tripoli	331	351	399	392	327	384	458	430	486	306	415	446	4725
Zahle	201	205	265	266	283	296	329	313	408	262	266	225	3319
Zgharta	34	60	78	51	72	72	88	88	94	92	85	84	898
Beirut	837	720	699	778	843	736	728	732	800	847	684	761	9165
Total	5197	5135	5803	5070	5508	6139	6473	6590	7735	6756	6590	6492	73823

The births of 2011 that were registered in 2011 amount to 73,878. We should not forget, however, that there are still some births that have occurred in 2011 and were not registered by the end of the year.

There were 23,257 deaths that were registered and reported during 2011. For the deaths, the same concerns about data flaws of birth reporting and registration stand. With 97,887 births, the Lebanese population has increased by around 75,000 citizens, some of whom might be residing outside the country.

Table 5: Number of Registered Deaths By Month and Qada, 2011

Qada	January	February	March	April	May	June	July	August	September	October	November	December	Total
Akkar	179	156	173	123	152	154	125	101	134	142	128	171	1738
Aley	87	86	72	91	78	47	68	76	73	68	81	39	886
Baabda	76	64	75	74	65	67	64	50	55	59	49	63	761
Baalback	167	95	117	87	86	108	132	76	32	35	27	38	1000
Batroun	51	46	34	36	41	44	38	38	29	29	41	45	475
Echarri	23	21	36	26	31	27	17	35	30	30	15	28	322
Beqaa gharbi	62	43	51	48	38	46	33	38	30	67	43	44	563
Bint jbeil	85	68	75	85	57	51	63	42	59	58	68	94	805
Chouf	143	136	139	137	139	99	111	102	101	105	103	142	1460
Hasbaya	27	23	16	36	20	24	14	11	16	20	28	32	267
Hermel	33	20	30	25	36	28	15	22	23	26	23	26	307
Jbeil	46	56	43	48	33	52	34	50	45	46	42	45	540
Jezzine	34	26	43	38	40	30	18	42	37	31	40	46	428
Kesserouan	78	74	84	61	66	65	58	53	74	57	66	53	789
Koura	47	30	35	24	36	25	24	24	27	33	39	61	383
MarjehSyon	61	70	52	51	54	49	67	37	47	59	128	71	719
Menieh-dennieh	63	69	64	50	78	37	37	48	68	73	61	107	1135
Metn	110	104	108	92	98	94	83	82	87	89	81	107	768
Nabatieh	95	57	73	50	78	61	65	56	79	20	27	21	280
Rachaya	26	28	20	19	28	20	12	30	29	20	27	155	2045
Saida	192	179	209	162	165	179	136	151	174	174	169	99	1083
Sour	107	106	94	101	81	81	85	85	97	74	73	117	1276
Tripoli	119	103	114	104	93	122	96	89	109	102	103	96	1084
Zable	96	93	99	95	97	80	75	75	108	63	107	45	503
Zgharta	57	43	60	40	37	41	28	33	43	35	41	255	2904
Beirut	294	267	269	244	267	279	168	213	214	234	200	255	2904
Total	2336	2190	2190	1910	1956	1959	1823	1752	1848	1752	2023	2325	23257

Table 6: Resident Populations' Distribution By Mohafaza and Qada, 2004-2011

Mohafaza	Area	Area (km ²)	Population 2004	Population 2005	Population 2006	Population 2007	Population 2008	Population 2009	Population 2010	Population 2011	Change (%)	Population Density 2011
Beirut	Beirut	10.40	226,752	235,516	247,217	254,328	261,872	269,692	278,788	288,116	6.41	0.37
North	Minieh-Daruch	2.49	112,583	115,668	112,139	115,004	118,293	121,222	125,129	129,117	3.11	0.12
	Tripoli	6.83	255,160	261,040	253,606	257,999	262,470	267,159	272,162	277,062	6.74	0.08
	Zgharta	1.51	56,861	57,712	58,572	59,439	60,309	61,179	62,049	62,919	1.48	-0.02
South	Bourj	1.48	55,583	57,248	58,913	60,578	62,243	63,908	65,573	67,238	1.42	-0.06
	Beiruth	0.54	39,872	41,537	43,202	44,867	46,532	48,197	49,862	51,527	0.56	0.09
Mount Lebanon	Byblos	1.09	40,964	42,629	44,294	45,959	47,624	49,289	50,954	52,619	1.05	-0.16
	Tripoli	2.02	148,218	153,103	157,988	162,873	167,758	172,643	177,528	182,413	1.02	0.03
	Er-Raoul	1.36	47,489	49,154	50,819	52,484	54,149	55,814	57,479	59,144	1.36	0.11
North West	Ingilbeck	5.01	187,992	190,783	193,574	196,365	199,156	201,947	204,738	207,529	5.61	0.41
	Zakleik	3.76	841,528	849,157	856,786	864,415	872,044	879,673	887,302	894,931	3.91	0.15
South West	Becharry	0.77	28,885	29,233	29,581	30,019	30,457	30,895	31,333	31,771	0.89	0.09
	West Decisa	1.75	65,861	66,938	68,015	69,092	70,169	71,246	72,323	73,400	1.91	0.15
North East	Nabatieh	2.65	127,487	130,964	134,441	137,918	141,395	144,872	148,349	151,826	2.92	0.27
	Hadath	0.56	21,000	21,312	21,624	21,936	22,248	22,560	22,872	23,184	0.87	0.11
North West	Marjayoun	1.16	44,239	44,898	45,557	46,216	46,875	47,534	48,193	48,852	1.66	0.38
	Hitt-Jbeil	1.82	57,419	57,967	58,515	59,063	59,611	60,159	60,707	61,255	1.96	1.41
South West	Tripoli	0.65	102,534	104,325	106,116	107,907	109,698	111,489	113,280	115,071	2.00	0.31
	Saida	4.90	181,481	186,612	191,743	196,874	202,005	207,136	212,267	217,398	5.39	0.49
South West	Sour	5.18	104,622	107,539	110,456	113,373	116,290	119,207	122,124	125,041	5.36	1.18
	Logosin	0.61	22,640	23,027	23,414	23,801	24,188	24,575	24,962	25,349	0.64	0.04
North East	Tripoli	0.78	150,131	152,932	155,733	158,534	161,335	164,136	166,937	169,738	1.79	0.61
	Jbeil	2.24	84,039	85,387	86,735	88,083	89,431	90,779	92,127	93,475	2.17	1.05
North East	Kesrouwan	4.39	164,208	167,258	170,308	173,358	176,408	179,458	182,508	185,558	4.09	-0.30
	Misra	12.88	483,783	490,567	497,351	504,135	510,919	517,703	524,487	531,271	11.86	-0.01
North East	Tnahda	12.89	483,973	491,159	498,345	505,530	512,715	519,900	527,085	534,270	11.96	-0.93
	Aley	3.44	129,853	130,970	132,087	133,204	134,321	135,438	136,555	137,672	3.31	-0.15
North West	Ar-Roual	4.15	155,904	159,216	162,528	165,840	169,152	172,464	175,776	179,088	4.13	-1.52
	Ar-Roual	2.98	105,354	107,639	110,000	112,361	114,722	117,083	119,444	121,805	3.93	0.22
Beirut	Beirut	10.40	201,499	206,298	211,097	215,896	220,695	225,494	230,293	235,092	9.53	-0.07
	Beirut	10.40	215,500	220,300	225,100	229,900	234,700	239,500	244,300	249,100	10.00	10.00

It is estimated that in 2011, there were 4,036,450 residents inside the country. The Mohafaza that is populated the most is Mount Lebanon (37.57%) comprising 6 districts, followed by the North (20.79%) with 7 districts. Both Nabatieh and South form 18.5% of the residents of Lebanon with 7 districts, 13.62% of the Lebanese reside in the Bqaa area in 5 districts, and the least populated area is Beirut (9.53%) considering its being a one-district Mohafaza. Calculating the change of population proportions between 1996 and 2011, some district exhibit a decrease in their populations which are mostly the whole of Mount Lebanon and Beirut and 4 districts in the North, while others have increased over time. According to the latest UNRWA figures, there are 227,000 Palestinian refugees residing inside the camps of Lebanon. Accordingly, there are a total of 4,263,450 inhabitants residing in Lebanon.

* Excluding Palestinian camps which gather around 227,000 refugees according to the latest UNRWA figures.

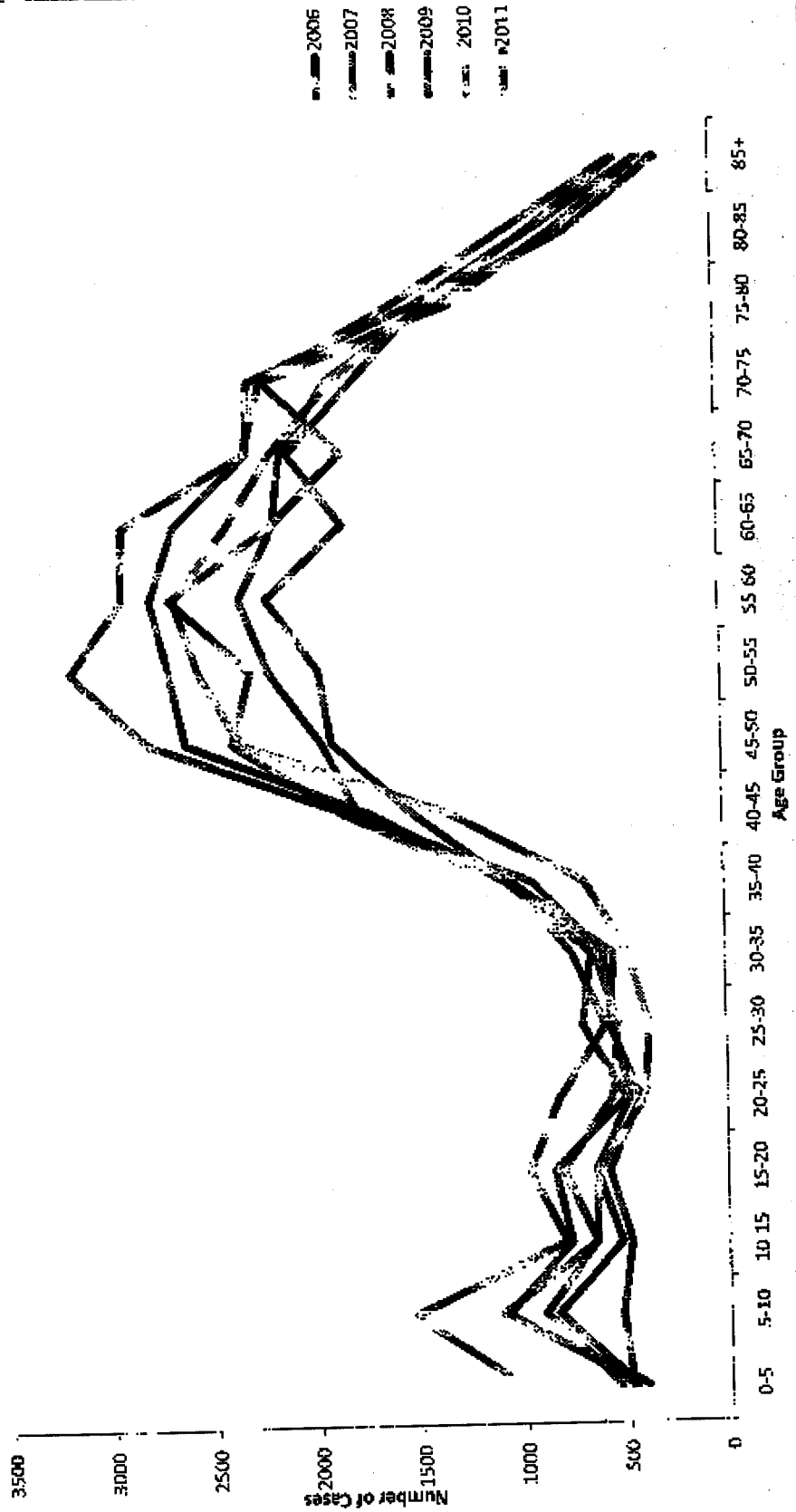
The Ministry of Public Health visa billing system uses the International Classification of Diseases 10th revision (ICD10) coding system. 222,145 ICD10 diagnoses were registered on admissions during 2011. The number of diagnoses issued for females (149,695), exceeds that for males (72,450) in all categories of diagnoses.



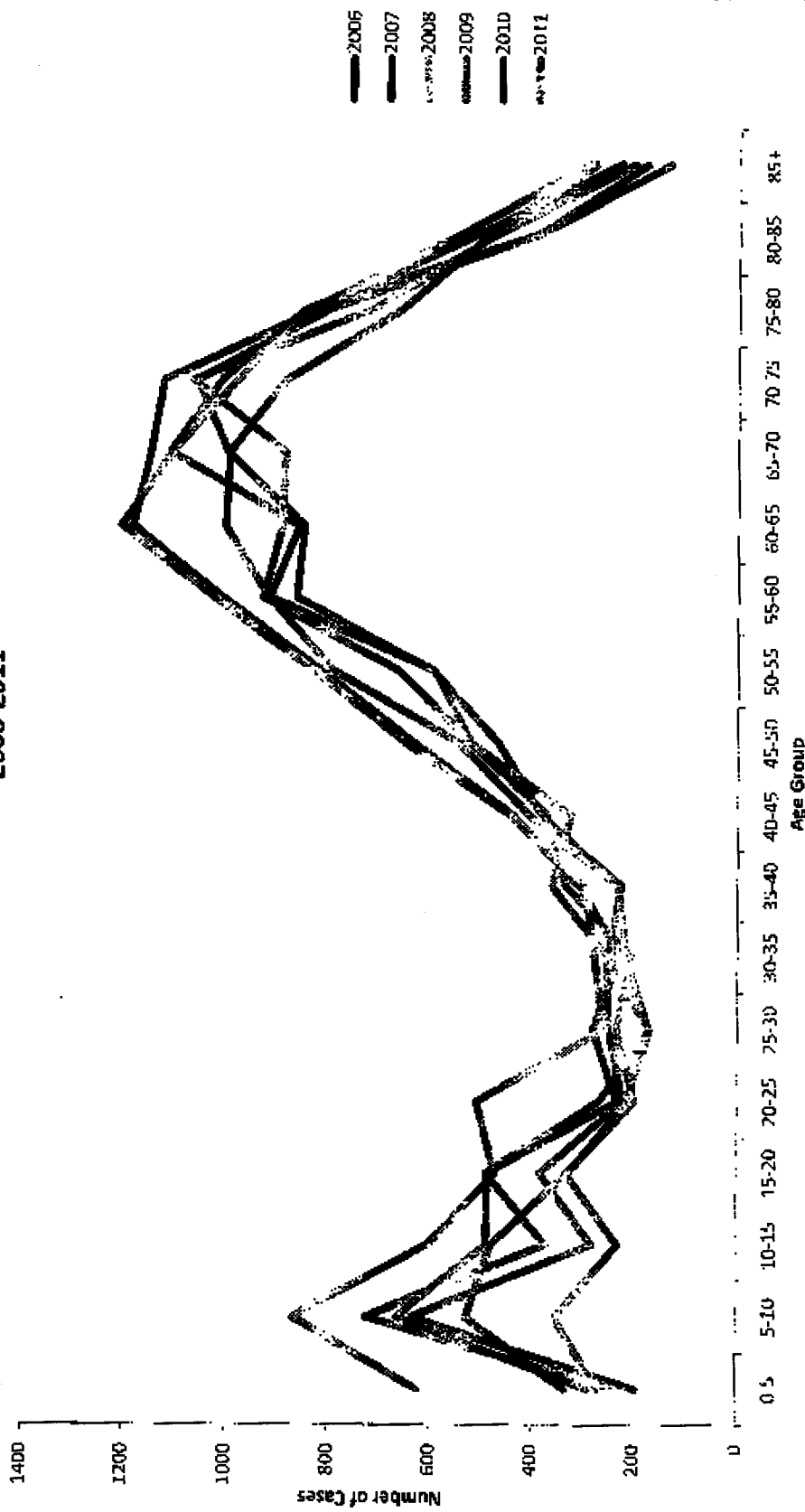
ICD10 Code	Description	A	B	C	Total
N00-N02	Chamberlain disease	161	140	301	301
N00-N16	Renal tubulo-interstitial diseases	552	603	1,155	1,248
N17-N19	Renal failure	1,705	1,268	2,973	2,973
N20-N23	Urolithiasis	2,104	2,891	4,995	4,995
N24-N29	Other disorders of kidney and ureter	71	71	142	142
N30-N39	Other diseases of the urinary system	1,270	1,703	2,973	2,973
N40-N51	Diseases of male genital organs	2,275	0	2,275	2,275
N60-N62	Diseases of breast	29	390	419	419
N70-N77	Inflammatory diseases of female pelvic organs	0	377	377	377
N80-N98	Menstrual and other disorders of female genital tract	0	4,635	4,635	4,635
N99	Other disorders of the genital system	0	15	15	15
Total		9,272	12,256	21,528	21,528
000-009	Pregnancy, childbirth, and the puerperium	11	0	11	11
000-008	Pregnancy with abortive outcome	0	1,345	1,345	1,345
010-016	Deformities, proteinuria and hypertension disorders in pregnancy, childbirth and the puerperium	0	63	63	63
020-029	Other maternal conditions predominantly related to pregnancy	0	224	224	224
030-048	Maternal care related to the fetus and neonatal care and possible delivery problems	1	278	279	279
000-075	Complications of labor and delivery	0	191	191	191
080-084	Delivery	0	22,155	22,155	22,155
085-092	Complications predominantly related to the puerperium	0	30	30	30
093-099	Other obstetric conditions NEC	0	23	23	23
Total		11	25,610	25,621	25,632
100-109	Active and latent infections by maternal factors and by complications of pregnancy, labor and delivery	39	121	160	160
110-114	Disorders related to length of gestation and fetal growth	258	193	451	451
115-119	Birth trauma	9	6	15	15
120-129	Respiratory and cardiovascular disorders specific to the perinatal period	1,263	612	1,875	1,875
130-139	Infections specific to the perinatal period	313	211	524	524
140-149	Thrombocytopenia and haemorrhagic disorders of fetus and newborn	363	270	633	633
150-154	Toxicity: endocrine and metabolic disorders specific to fetus and newborn	40	29	69	69
155-158	Disorders of the nervous system in fetus and newborn	18	19	37	37
159-164	Conditions involving the integument and temperature regulation in fetus and newborn	19	30	49	49
165-169	Other disorders occurring in the perinatal period	16	14	30	30
Total		2,885	2,801	5,686	5,686

In general, a trend of increase in neoplasm cases between 2006 and 2011, is obvious. There is an increase in the total number of cases from last year (2010). This could be due to a true increase in prevalence, which is supported by other evidence; or could be an increase in service supply or utilization. This calls for further investigation.

Graph 13: The Trend in MOPH Subsidized Hospitalized Cases of Neoplasms By Age Group, 2006-2011



Graph 14: The Trend in MOPH Subsidized Hospitalized Male Cases of Neoplasms By Age Group, 2006-2011



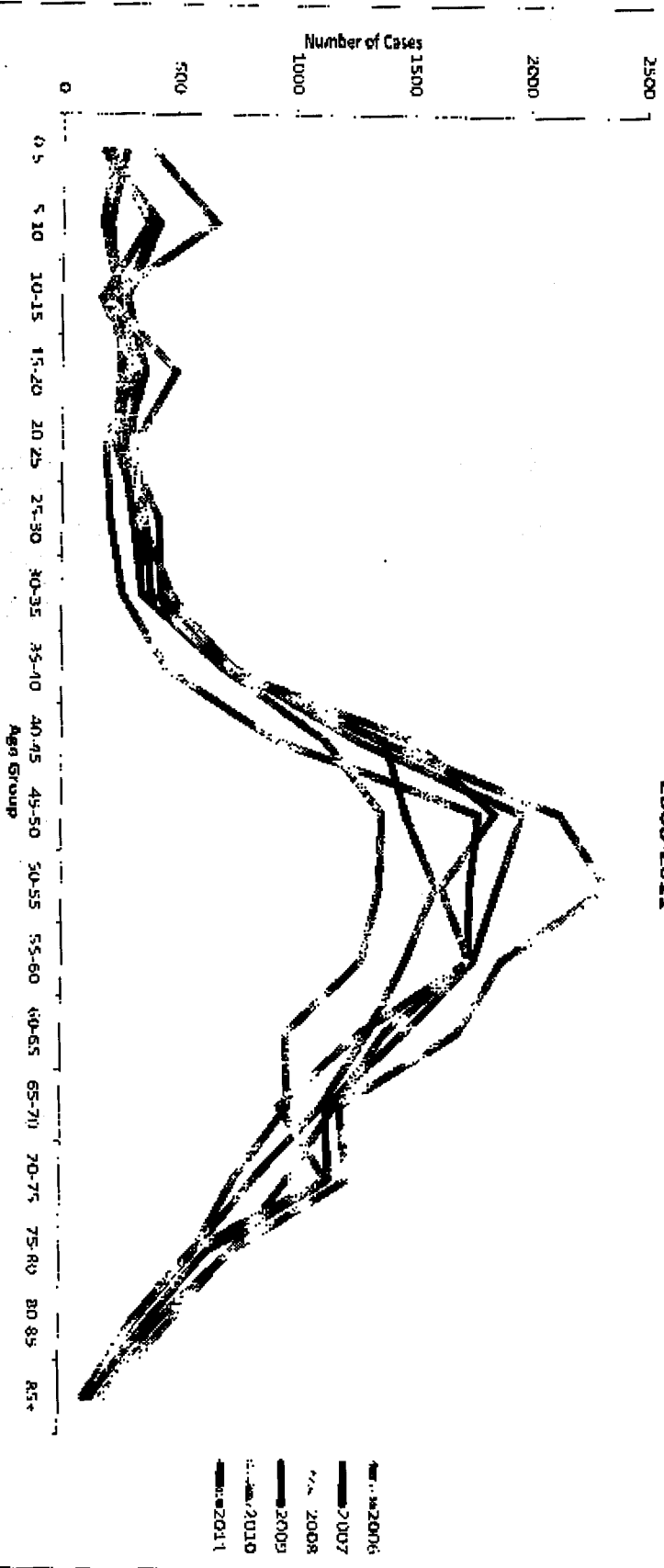
The increase in cases between 2010 and 2011 is higher for males in the younger age groups.



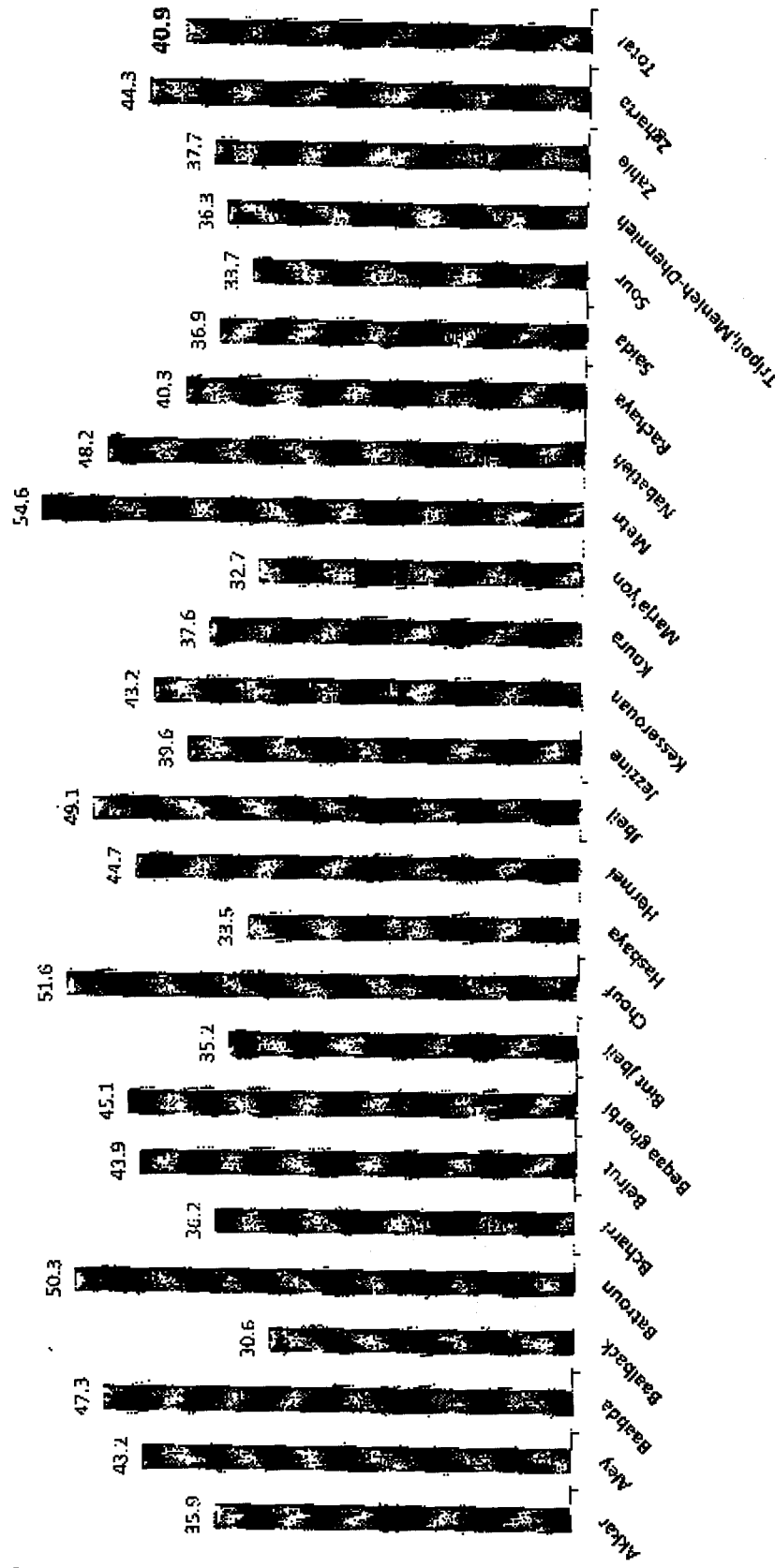


Although there is an increase in number of cases between 2010 and 2011, but it is not as significant as that in the males group.

Graph 15: The Trend In MOPH Subsidized Hospitalized Female Cases of Neoplasms By Age Group, 2006-2011



Graph 16: Percent Breast Ca out of total Female Neoplasms by Qada, 2011



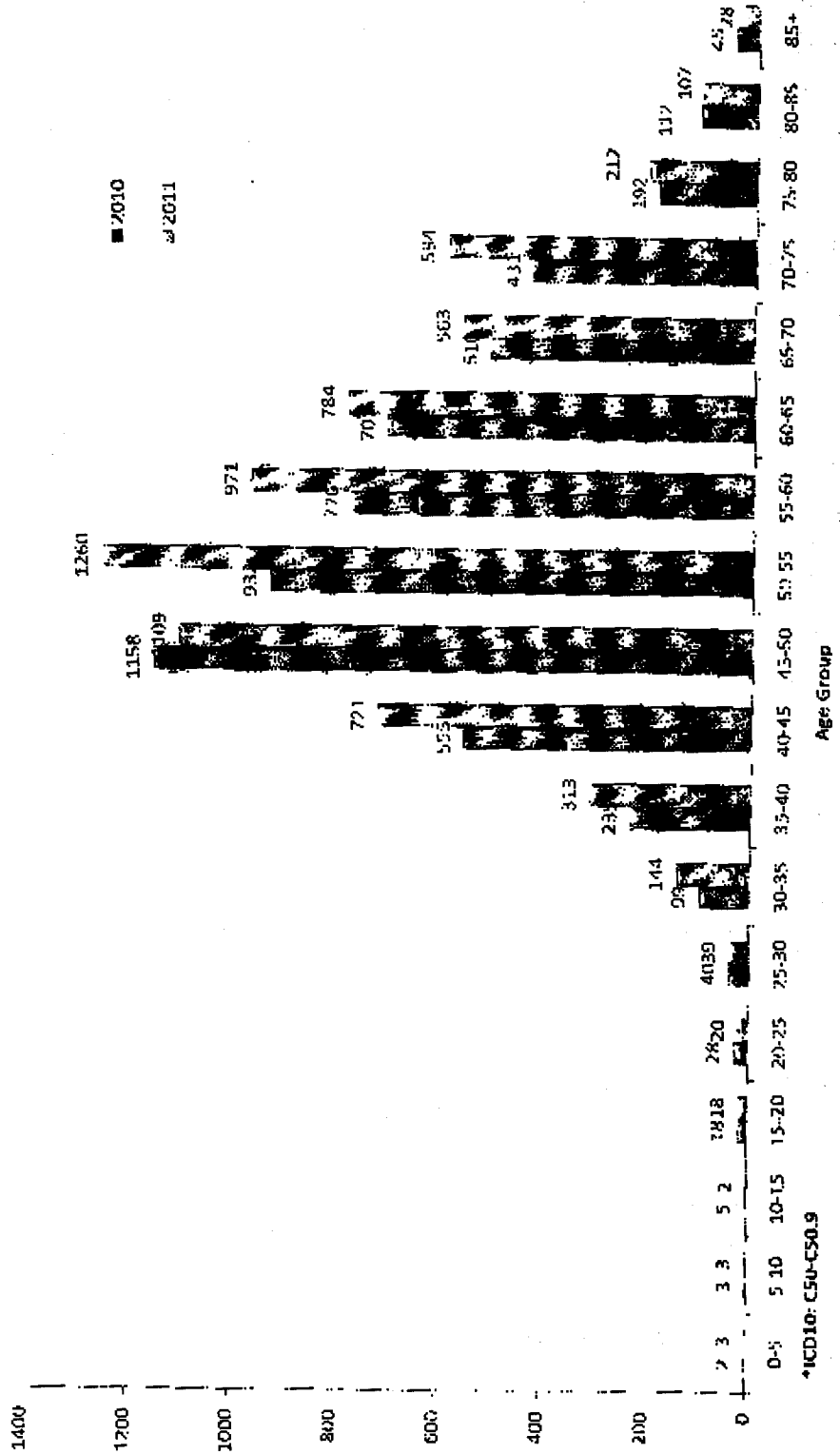
Qada

Investigating the females hospitalized for cancer by district of origin, it turned out that 40.9% of those are Breast cancer cases with a proportion ranging from as low as 30.6% in Baalback to as high as 54.6% in Matn. Comparing with last year's percents, the lowest percent ever recorded then was for Baalback (22.9%). Taking a quick look at the comparison between the two years 2009 and 2010, there are districts with a significant increase in percent of Breast Ca out of total female neoplasms (Aley, Baalback, Batroun, Beirut, West Bekaa, Bint Jbeil, Hermel, Keserwan, Zahle, and Marjayoun) while Koura experienced a significant drop in that percent, with a National increase by 2.6%.

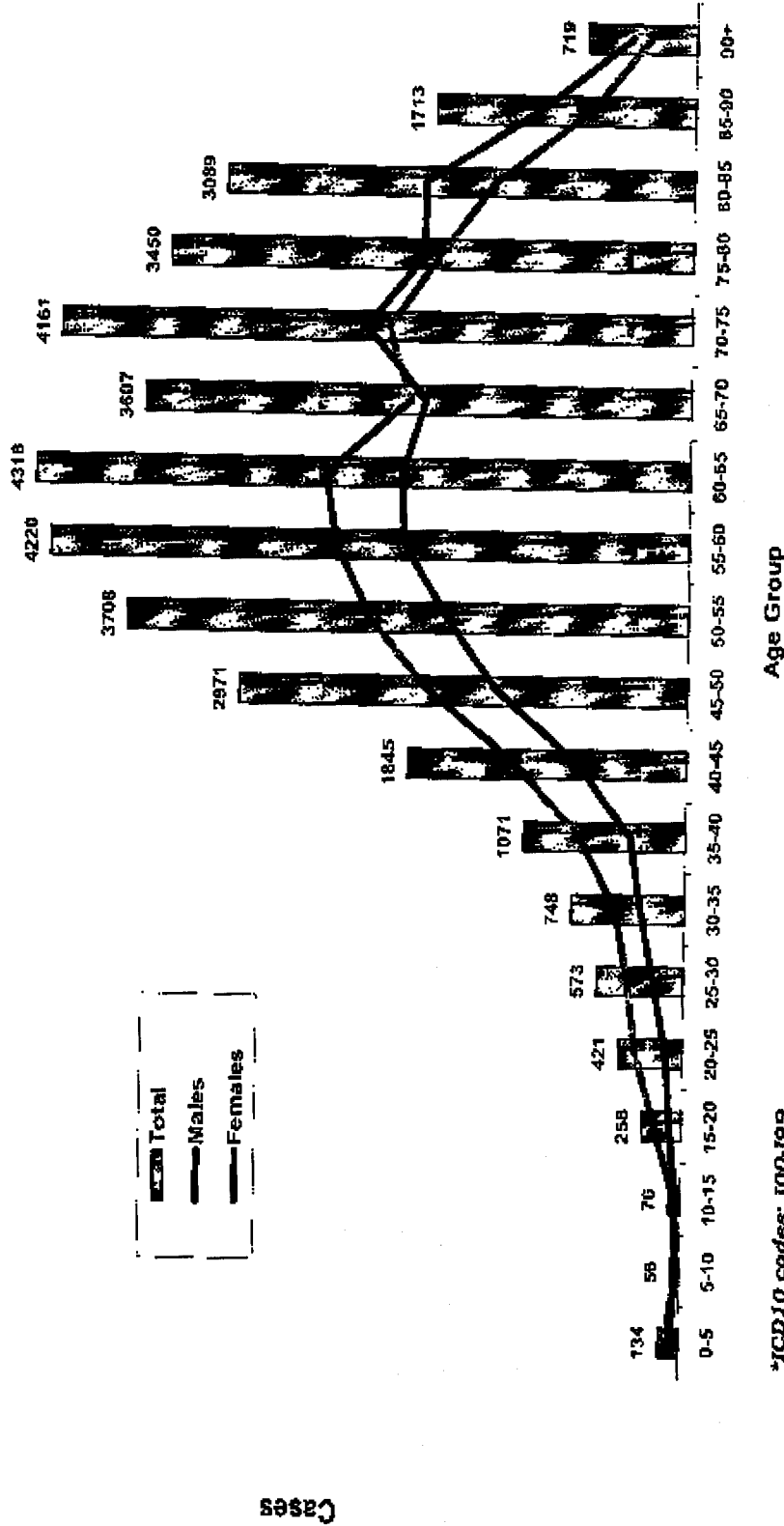


Breast Cancer is spread over all age groups with a peak of cases in the age group 45-50. There were 1742 breast cancer patients admitted 7088 times either for surgery or chemotherapy. There was an increase in the number of cases between 2011 and 2010, which could be due to increased awareness and hence early diagnosis. The shift in peak cases to older age groups deserves further investigation.

Graph 17: Hospitalized Cases of Malignant Neoplasms of the Breast* by Age, 2010-2011



Graph 18: MOPH Subsidized Hospitalized Cardiovascular* Cases By Gender and Age Group, 2011



The highest number of cases of cardiovascular disease occurs between the ages of 60-65 years old. The male cases peak in that age group, while female cases peak at a higher age (70-75 years old).

*ICD10 codes: I00-I99

Cases



When examined by gender and District, the cases of cardiovascular disease showed a peak in Baalback district, with significant differences between districts and more than 50% of the cases clustered in 7 districts where this calls for priority in prevention and early treatment policies.

Graph 19: MOPH Subsidized Hospitalized Cardiovascular* Cases By Gender and Qada, 2011

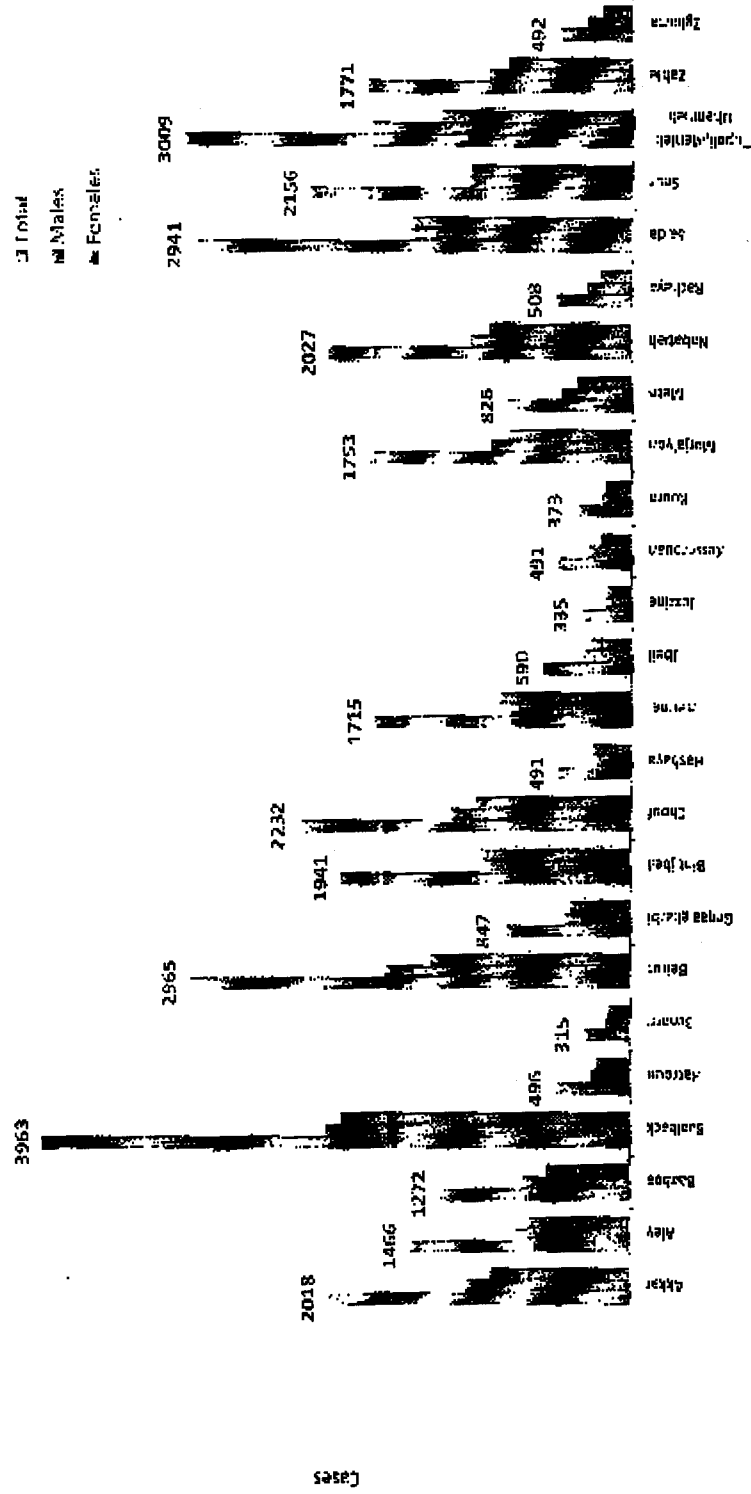




Table 13: Cases of Notifiable Diseases Reported to the MOPH Epidemiologic Surveillance Unit by month, 2011

	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vaccine Preventable Diseases													
Acute Flaccid Paralysis	25	2	3	3	3	1	2	1	1	1	3	2	3
Acute Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles	9	1	1	0	0	1	1	0	1	0	1	2	1
Mumps	12	0	1	2	1	1	0	1	1	1	1	3	0
Pertussis	7	0	0	0	1	0	1	1	2	2	0	0	0
Rabies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	4	0	0	1	1	1	0	0	0	0	0	1	0
Tetanus	2	0	0	1	0	0	0	0	0	0	0	1	0
Neonatal tetanus	0	0	0	0	0	0	0	0	0	1	0	0	0
Viral Hepatitis B	168	19	21	14	8	9	16	19	11	15	15	7	14
Food & Water Borne Diseases													
Brucellosis	134	8	20	5	13	12	15	20	15	8	7	5	5
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0
Dysentery	186	12	13	5	6	11	27	29	21	26	13	16	8
Food Poisoning	311	4	23	19	5	12	17	85	14	81	19	21	11
Hydatid Cyst	12	2	0	2	0	1	3	1	0	0	1	2	0
Parasitic Worms	15	2	0	0	2	4	1	5	1	0	0	0	0
Trichinosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	362	23	17	29	17	16	42	54	49	51	51	21	17
Viral Hepatitis A	448	34	26	30	23	10	9	26	44	54	71	50	67
Other Diseases													
Bilharziasis	0	0	0	0	0	0	0	0	0	0	0	0	0
Creutzfeldt Jakob Disease	1	0	0	1	0	0	0	0	0	0	0	0	0
Ebola	0	0	0	0	0	0	0	0	0	0	0	0	0
Gonorrhoea	4	0	1	1	0	0	0	0	1	0	0	0	1
Leishmaniasis	5	2	0	1	1	0	0	1	0	0	0	0	0
Leprosy	3	0	0	0	2	0	1	0	0	0	0	0	0
Malaria	24	2	1	2	0	4	0	4	7	3	1	0	0
Meningitis	137	14	5	17	9	14	11	17	13	12	1	8	16
Plague	0	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis	13	1	0	0	1	1	0	1	0	4	3	2	0
Typhus	7	0	0	1	1	1	0	1	3	0	0	0	0
Viral Hepatitis C	72	5	1	10	4	13	8	3	7	5	6	7	3
Yellow Fever	0	0	0	0	0	0	0	0	0	0	0	0	0

Epidemiology Surveillance Unit

The Epidemiological Surveillance Unit at the MOPH receives notifications about vaccine preventable diseases, food and water borne diseases as well as other forms of disease. 168 cases of Hepatitis B, 448 cases of Hepatitis A, 362 cases of typhoid fever, and 137 cases of Meningitis were reported during 2011. It is worth mentioning that the number of cases of Malaria is incomplete here with 24 reported cases, while the National number as delivered by the Malaria Control Office of the MOPH, which is the official body to report on Malaria, is 83 cases for 2011.



الوزارة

When analyzed by gender, it was shown that males are more than females in all reported diseases except for some like Acute Flaccid Paralysis, Dysentery and food poisoning, where the number of female cases exceeds that of the males.

Table 14: Cases of Notifiable Diseases Reported to the MOPH Epidemiologic Surveillance Unit by age groups, 2011

Notifiable Diseases	Age Group							Unknown	Total	Female	Sex Ratio
	0-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years				
Vaccinable Preventable Diseases											
Acute Flaccid Paralysis	25	7	9	6	1	2	0	0	11	14	0
Acute Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0	0	0	0
Measles	9	7	1	0	1	0	0	0	3	6	0
Mumps	12	6	4	1	1	0	0	0	7	5	0
Pertussis	7	7	0	0	0	0	0	0	3	4	0
Rabies	0	0	0	0	0	0	0	0	0	0	0
Rubella	4	3	0	1	0	0	0	0	0	0	0
Tetanus	2	0	0	1	1	0	0	0	2	2	0
Neonatal tetanus	0	0	0	0	0	0	0	0	1	1	0
Viral Hepatitis B	168	1	1	4	83	46	20	13	99	69	0
Food & Water Borne Diseases											
Brucellosis	134	5	10	21	40	30	25	3	81	53	0
Cholera	0	0	0	0	0	0	0	0	0	0	0
Dysentery	186	57	30	12	40	24	23	0	86	100	0
Food Poisoning	314	22	48	65	96	30	19	17	141	170	0
Hydatid Cyst	12	1	0	0	2	7	1	1	7	3	0
Parasitic Worms	15	0	1	0	7	2	3	2	4	11	0
Trichinosis	0	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	362	110	47	52	66	32	48	7	196	166	0
Viral Hepatitis A	448	48	130	172	83	7	1	7	256	192	0
Other Diseases											
Bilharziasis	0	0	0	0	0	0	0	0	0	0	0
Cryptosporidium Infection	1	0	0	0	0	0	1	0	1	0	0
Ebola	0	0	0	0	0	0	0	0	0	0	0
Gonorrhoea	4	0	0	0	4	0	0	0	2	0	0
Leishmaniasis	5	2	0	0	2	1	0	0	3	2	0
Leprosy	3	0	0	0	2	1	0	0	2	1	0
Malaria	24	2	0	0	16	4	1	1	16	8	0
Meningitis	137	49	26	19	18	15	14	2	93	44	0
Plague	0	0	0	0	0	0	0	0	0	0	0
Syphilis	13	0	0	0	8	1	1	3	4	9	0
Typhus	7	0	1	0	5	1	0	0	4	3	0
Viral Hepatitis C	72	0	1	3	22	25	18	3	48	23	1
Yellow Fever	0	0	0	0	0	0	0	0	0	0	0

Epidemiology Surveillance Unit



Table 15: Cases of Notifiable Diseases Reported to the MOPH Epidemiologic Surveillance Unit by region, 2011

	TOTAL	North	Beqaa	N. Libanon	South	Mount-Lebanon	Beirut	Unknown
Vaccine Preventable Diseases								
Acute Flaccid Paralysis	25	5	0	3	3	12	2	0
Acute Poliomyelitis	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0
Measles	9	2	0	1	3	3	0	0
Mumps	12	3	4	0	3	0	2	0
Pertussis	7	1	2	1	0	2	1	0
Rabies	0	0	0	0	0	0	0	0
Rubella	4	1	2	0	0	1	0	0
Tetanus	2	2	0	0	0	0	0	0
Neonatal tetanus	0	0	0	0	0	0	0	0
Viral Hepatitis B	168	22	9	15	12	53	15	42
Born & Water Borne Diseases								
Brucellosis	134	31	62	12	0	24	1	8
Cholera	0	0	0	0	0	0	0	0
Dysentery	186	35	2	5	3	136	1	4
Food Poisoning	311	32	60	18	11	110	30	50
Hydatid Cyst	12	1	3	0	0	6	0	2
Parasitic Worms	15	0	0	1	0	0	14	0
Trichinosis	0	0	0	0	0	0	0	0
Typhoid Fever	362	79	66	57	19	77	32	32
Viral Hepatitis A	448	128	183	79	17	72	14	15
Other Diseases								
Bilharziasis	0	0	0	0	0	0	0	0
Creutzfeld Jakob Disease	1	0	0	0	0	1	0	0
Ebola	0	0	0	0	0	0	0	0
Cholera	4	0	0	0	0	2	1	1
Leishmaniasis	5	2	0	0	0	2	1	0
Leprosy	3	0	1	0	0	2	0	0
Malaria	24	8	0	2	0	8	2	4
Meningitis	137	41	17	12	11	47	8	1
Plague	0	0	0	0	0	0	0	0
Syphilis	13	1	0	3	1	1	0	7
Typhus	7	0	0	0	0	7	0	0
Viral Hepatitis C	72	10	6	5	2	28	10	11
Yellow Fever	0	0	0	0	0	0	0	0

Epidemiology Surveillance Unit

The distribution of the diseases across the Mohafazats showed that the number of reported cases of Food poisoning, Dysentery, AFP and Viral Hepatitis B and C are highest in Mount Lebanon, while viral hepatitis A and Brucellosis are highest in the Beqaa, and North.

Table 16: Maternal Neonatal Mortality Notification System Statistics by Qada, 2011

Qada	Births	Maternal Deaths	Neonatal Deaths	Maternal Deaths in Hospital	Neonatal Deaths in Hospital	Maternal Deaths Outside Hospital	Neonatal Deaths Outside Hospital	Maternal Deaths in Ambulance	Neonatal Deaths in Ambulance	Maternal Deaths at Home	Neonatal Deaths at Home	Maternal Deaths in Unknown Location	Neonatal Deaths in Unknown Location	Total Maternal Deaths	Total Neonatal Deaths
Batroun	239	238	0	2	13	88	150	0	0	0	0	0	0	1	1
West Bekaa	461	457	0	5	50	189	266	0	1	0	0	0	0	4	4
Chouf	1443	1426	5	22	356	714	716	0	3	0	0	0	0	17	17
Koura	1749	1706	3	13	146	923	783	0	9	0	0	0	0	52	52
Meh	5138	4993	4	45	421	2199	2797	0	10	0	0	0	0	140	140
Metn-Dhemich	685	681	3	12	146	505	176	0	2	0	0	0	0	4	4
Nabatieh	3097	3044	4	23	350	1236	1708	0	6	0	0	0	0	61	61
Hermel	1056	1050	4	12	178	304	746	0	1	0	0	0	0	6	6
Echrah	22	22	0	1	1	12	10	0	0	0	0	0	0	0	0
Baalbek	12563	12187	21	132	1568	6946	5358	0	53	0	0	0	0	268	268
Bina-Jbeil	3317	3252	4	46	429	1355	1897	2	7	0	0	0	0	65	65
Beirut	670	665	7	7	136	366	299	0	0	0	0	0	0	5	5
Jbeil	9129	8786	20	76	1077	4759	4025	0	25	0	0	0	0	348	348
Jezzine	1630	1578	1	17	143	789	789	0	4	0	0	0	0	53	53
Hasbaya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rachaya	31	30	0	0	16	16	14	0	0	0	0	0	0	1	1
Zahlé	453	449	0	6	90	264	195	0	0	0	0	0	0	4	4
Zgharta	5354	5246	10	75	505	2337	2902	0	14	0	0	0	0	115	115
Sour	1752	1711	5	31	157	855	856	0	5	0	0	0	0	41	41
Saida	3334	3284	3	29	564	1826	1458	0	27	0	0	0	0	188	188
Tripoli	7130	6962	7	81	1227	3528	3434	0	64	0	0	0	0	49	49
Aley	10353	10229	15	118	1332	6753	3476	0	17	0	0	0	0	131	131
Akkar	497	486	2	4	56	246	247	0	1	0	0	0	0	4	4
Kesserwan	5236	5157	6	97	604	3700	1457	0	10	0	0	0	0	92	92
Marsiyoun	1219	1199	1	7	195	484	715	0	2	0	0	0	0	20	20
Matn	784	777	2	20	161	421	356	0	3	0	0	0	0	8	8

The Ministry of Public Health has initiated at the beginning of 2011, a Maternal and Neonatal Mortality Notification System which gathers all births, neonatal and maternal deaths occurring in hospitals all over the country. In addition to other variables, like birth defects and birth weights. There were 19 maternal deaths in Lebanon during 2011, generating a Maternal Mortality Ratio of 25 per 100,000. When compared to the number of births registered in 2011 (97,887), and those that have occurred in 2011 and registered in 2011 (73,878), with the number of births that occurred inside hospitals which was 77,341. There are clearly around 4500 births which have occurred during 2011, and which still are not registered at the Ministry of Interior records, which gives an idea about the delay in reporting.

