

الجمهورية اللبنانية
وزارة الصحة العامة



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مقدمة

تصدر النشرة الإحصائية عن وزارة الصحة العامة كل عام منذ 2006 لتقديم خلاصة الأعمال الإحصائية لمعظم دوائر الوزارة وتشكل مثلاً حياً على أهمية الشراكة في القطاع الصحي. تدرج هذه النشرة ضمن جهود وزارة الصحة الرامية لتحقيق الشفافية في القطاع الصحي، لا سيما إشراك المواطن بالقرار وتأمين حقه بالاطلاع على تطورات القطاع وتعكس آخر المعطيات الإحصائية والوبائية المتوفرة والتي تبني عليها معظم القرارات المتعلقة بتقديم وتوزيع الخدمات على المستفيدين.

لقد قدمت دائرة الإحصاءات في العام 2017 خطة استراتيجية تهدف إلى تطوير عملها في سياق تطور مسؤولياتها بالرغم من النقص الحاد في عدد العاملين لديها. وتعتمد دائرة الإحصاءات على تطوير عملها عبر ابتكار جديد في طريقة العمل يقوم على الشراكة بحيث تعتمد على الحصول على المعلومات عبر الاعتماد على نقاط اتصال في المراكز المنتجة للمعلومات، داخل وخارج الوزارة، وتدريبهم، إلى جانب استحداث تكنولوجيا لإرسال ومعالجة ونشر المعلومات، مما يشكل تعويضاً للنقص بالموظفين وخطة ثابتة نحو الحكومة الإلكترونية.

إلى جانب جمع المعلومات داخل الإدارة المركزية، تتلقى الآن دائرة الإحصاءات معلومات من الأفضية كافة فيما يتعلق بالولادات والوفيات وذلك ضمن التعاون القائم مع وزارة الداخلية والبلديات عبر نظام ممكن ويحتمل يتم تلقي المعلومات فور ادخالها في مراكز الأفضية.

إضافة إلى المعلومات التي تنشر في كل سنة، تتضمن النشرة هذا العام معلومات جديدة مثل أسباب الوفيات، مؤشرات أهداف التنمية المستدامة (SDG) في أرقامها الأولى، والحسابات الوطنية للصحة.

فعلى صعيد تطوير عملها من حيث الإحصاءات الحيوية داخل المستشفيات، تم استحداث نظام منظور للإبلاغ عن أسباب الوفيات في المستشفيات بالتعاون مع منظمة الصحة العالمية ونقابة المستشفيات. يتم جمع المعلومات على نموذج ممكن مقتطف من النموذج الرسمي المعتمد لوثيقة الوفاة، ويتم التبليغ المجهول عن كل وفاة تحدث داخل المستشفى، أو تصل إلى المستشفى، مع ذكر سبب الوفاة وترميزه بحسب التصنيف الدولي للأمراض في نسخته العاشرة (ICD10). ولقد تم تعيين نقاط اتصال وتدريبهم على النظام الممكن في أكثر من 150 مستشفى حكومي وخاص عاملة على الأراضي اللبنانية كافة. إذا تحققتنا من الهدف 17 من أهداف التنمية المستدامة، وتحديدًا الفقرة المتعلقة بنسبة تسجيل الوفيات لتكون 80% بحلول العام 2030، نرى أننا حققنا هذا الهدف منذ الآن. ففي العام 2017، شكّل عدد الوفيات الحاصلة في المستشفيات، والموثقة بأسباب وفاة طبية، 84% من مجمل وقوعات وفيات اللبنانيين المقيمين المسجلة في وزارة الداخلية والبلديات. وسيتم تطوير هذا النظام دورياً عبر تدريب الأطباء ونقاط الاتصال في المستشفيات كما العمل على تحسين نوعية المعلومات ورفع نسبة الإبلاغ.

أما على صعيد الحسابات الصحية، فيتم تضمين هذه النشرة النسخة الجديدة للحسابات الصحية الوطنية للعام 2015 مبنية على النظام الجديد للحسابات الصحية (SHA2011). أظهرت هذه الحسابات أن كلفة الصحة السنوية للفرد في لبنان تقدر حالياً بـ 863 دولاراً وإجمالي الإنفاق على الصحة يشكل 7.4% من الناتج القومي المحلي منها 32.7% انفاق مباشر من جيب المواطن، بعد أن انخفضت تلك النسبة من 37.4% في العام 2012.

بالنسبة لأهداف التنمية المستدامة، لقد تم احتساب المؤشرات المتعلقة بالصحة والمتوفرة على الصعيد الوطني، وبعض الفئات المقيمة بحسب توفر المعلومات. فمثلاً، في حال كان المؤشر يحتاج لعدد النازحين السوريين ليحتسب، لم نستطع احتسابه بسبب غياب الأرقام الرسمية الدقيقة لتلك الفئة.

من ناحية أخرى، وكمظهر آخر للشراكة بين القطاع العام والمنظمات الدولية والمحلل الأكاديمي، تقوم دائرة الإحصاءات بالتعاون مع كلية العلوم الصحية في الجامعة الأميركية في بيروت، وتمويل من البنك

الدولي، بتنظيم دورات تدريبية لتطوير قدرات العاملين في الدائرة إلى جانب موظفين آخرين في الوزارة وفي القطاع العام لاسيما المؤسسات الضامنة الرسمية والإحصاء المركزي حول كيفية استخراج ومعالجة المعلومات الصحية إلى جانب مواضيع أخرى ذات أهمية لرسم السياسات الصحية. إن من أهم ما تفضي إليه تلك الدورات هو المساهمة في بناء ثقافة معلومات وإظهار أهمية دور التعاون في إنتاج الإحصاءات.

وبالنظر إلى تطور تقديرات وبرامج وزارة الصحة مؤخراً بشكل مطرد، أصبح من الضروري مواكبة تلك التطورات عبر استحداث برنامج للمعلومات الصحية يستطيع استخراج المؤشرات بشكل أكثر دقة. بناء عليه، تعمل الدائرة حالياً، بالتعاون مع دائرة المعلوماتية وذوي الاختصاص، وتمويل من البنك الدولي، على بناء نظام منطور لإستخراج البيانات الإحصائية ونشرها. يسعى هذا النظام إلى ربط قواعد بيانات الكترونية موجودة في الوزارة لإستخراج لائحة من المؤشرات الصحية، ومن ضمنها ما يدرج في هذه النشرة، حيث يصار إلى تحديثها دورياً وبصورة الكترونية، وبذلك تكون الوزارة قد طورت خدمة جديدة نحو البيانات الممكنة المتوفرة للمواطنين، وبشكل خاص للأكاديميين والباحثين الصحيين كشركاء أساسيين في صنع القرار، والذين تدرج أولى اهتماماتهم بالبيانات الإحصائية.

نذكر بأن هذه النشرة، بالإضافة إلى إحصاءات أخرى متفرقة، تعرض أيضاً على موقع وزارة الصحة الإلكتروني www.moph.gov.lb، كما نشجع الجميع على زيارة هذا الموقع دورياً لأهمية المواضيع المنشورة عليه وتعددتها، ومساهمته الكبيرة في تعميم المعرفة الصحية وتعزيز الشفافية والشراكة.

رئيسة دائرة الإحصاءات الصحية والحيوية

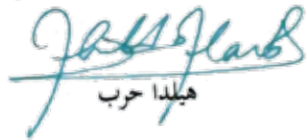

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This publication is the annual compilation of data available at the Ministry of Public Health, it is free of charge and can be accessed as well on the ministry's website. Although the statistics department endeavors to ensure accuracy of information in these documents, it cannot guarantee 100% accuracy nor can it be held liable for errors that may occur. However, the data provided herein are accurate up to the availability of baseline information.

For comments and suggestions,
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Table A.1: Selected indicators of Lebanon, 2015- 2017

	Unit	2015	2016	2017
Health Determinants and Risks				
Demographic and socioeconomic determinants				
Population Estimate*	1000 citizens	4,292	4,356	4,421
Number of registered births		85,453	88,996	90,647
Number of registered deaths		25,275	24,617	25,847
Crude Birth Rate	per 1000 population	19.9	20.4	20.5
Crude Death Rate	per 1000 population	5.9	5.7	5.9
Population Growth Rate		1.4	1.5	1.5
Population by Age				
	< 15	percent	24.6	24.6
	65+	percent	9.7	9.7
Risk Factors				
Low birth weight (less than 2500 g) (%)	percent	8.8	9.4	9.5
Caesarian delivery rate (%)	percent	46.7	47	47
Health Status				
Life Expectancy and Mortality				
Life expectancy at birth, Total Population				81.24 (2012)
Life expectancy at birth, Male				80.27 (2012)
Life expectancy at birth, Female				82.11 (2012)
Infant Mortality Rate	per 1000 Live Births		6.4	6.7
Less than five Mortality Rate	per 1000 Live Births		8.5	9
Maternal Mortality Ratio	per 100,000 Live Births	13.6	21	16.9
Morbidity				
Measles		39	44	126
Tetanus		3	2	0
Neonatal Tetanus		0	0	1
Acute Flaccid Paralysis		76	123	77
Hepatitis A		985	519	776
Hepatitis B		390	367	321
Hepatitis C		136	116	130
AIDS		22	21	56
Health System Response				
Health Financing				
Total GDP	Billion Leb. Pounds	75,336	77,243	80,491
Allocated to MOPH from Total Gov Budget	percent	2.50	2.64	2.96
Annual Budget of MOPH	Billion Leb. Pounds	516	643	709
Annual Budget of MOPH per capita	\$US	77	98	110
Total Health Expenditure (THE) per capita	\$US	863		
THE as % GDP	percent	7.41		
Out Of Pocket Expenditure as % THE	percent	32.70		
Health Workforce				
	per 10,000 population			
Physicians		32.0	31.0	31.3
Dentists		12.9	15.1	15.2
Pharmacists		17.7	18.2	18.9
Nursing and Midwifery Personnel		33.4	34.2	36.4
Hospital Beds		33.7	27.3	-
Medicines and Medical devices				
	per million population			
Density of High Tech Equipment				260 (2012)
Service Coverage				
Infants Fully Immunized-DPT	percent immunized	91	90	93.12
Infants Fully Immunized-OPV	percent immunized	90	90.39	93.10
Infants Fully Immunized-Measles	percent immunized	91	90	91
Infants Fully Immunized-Hepatitis B	percent immunized	91	90	93.12
Married Women Using Contraceptives	percent			54 (2009)
Sources of Information				
Vital Data Observatory (VDO), MOPH.				
Department of Projects & Programs, MOPH.		Department of Vital and Health Statistics, MoPH.		
Expanded Program on Immunization, MOPH.		Economic Accounts of Lebanon.		
Estimated Population from the 2004 and 2007 Household surveys (CAS) in addition to Registered Births and Deaths at Dept of Statistics.		MICS3,2009. CAS/UNICEF		
National Health Accounts, 2015, MOPH.	National AIDS Program (NAP), MOPH.	Syndicate Figures calculated for the given population.		
Epidemiological Surveillance Unit, MOPH.		Government Budget أرقام الموازنة العامة		

* Excluding Palestinian camps and Syrian refugees.

Table A.2: MOPH Itemized budget for the last three years ('000 LBP)

	2017	2016	2015	
Hospitalization in Public and Private Hospitals	465,000,000	408,619,512	319,065,040	تفقات استقطاب في المستشفيات الحكومية والخاصة
Public Hospitals	12,000,000	20,000,000	20,000,000	مستشفيات حكومية
Drugs	144,000,000	130,892,800	104,976,000	الدوية
Contributions to NGOs	30,221,701	15,975,035	12,487,816	مساهمات القطاع غير الحكومي
Salaries and Other Employees' Benefits	27,139,500	28,256,620	27,820,432	الخصومات والرواتب والأجور
Other Expenses	28,219,574	28,624,419	21,426,949	تفقات اخرى
Part Two	1,968,750	10,339,900	10,174,000	الجزء الثاني
Total MOPH Budget	708,549,525	642,708,286	515,950,237	مجموع موازنة وزارة الصحة العامة
Total Government Budget	23,906,048,924	24,355,781,060	20,643,785,487	مجموع الموازنة العامة
Government Debt	7,100,000,000	6,687,000,000	6,507,635,947	تأمين متوقعة الأداء
Total Government Budget Excluding Debt	16,806,048,924	17,668,781,060	14,136,149,540	مجموع الموازنة العامة بدون الدين المتوقعة
% MOPH Budget out of Total Government Budget (with debt)	2.96	2.64	2.50	نسبة موازنة وزارة الصحة الى الموازنة العامة/مع خدمة الدين
% MOPH Budget out of Total Government Budget (without debt)	4.22	3.64	3.65	نسبة موازنة وزارة الصحة الى الموازنة العامة/ بدون خدمة الدين

Source: Government Budget 2017, MOPH Accounting Department/Ministry of Finance

المصدر: الميزانية العامة 2017، مديرية المحاسبة في وزارة الصحة العمومية والتمويل

Graph A.1: Available health and health related Sustainable Development Goals (SDGs) at the national level, 2017



* Indicators 3.1.1, 3.2.2 and 3.5.2 include Non-Lebanese.



B- Population and Vital Statistics

Table B.1: Number of registered Lebanese births by month, Qada and gender; 2017

Qada	Jan		Feb		Mar		April		May		June		July		Aug		Sep		Oct		Nov		Dec		Total			
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F				
Aakkar	555	557	513	486	584	515	470	483	560	568	413	416	527	522	590	578	789	689	627	580	505	519	438	433	6,571	6,346	12,917	
Minieh-Danniyeh	199	194	162	155	314	289	258	249	167	198	170	172	215	193	252	199	146	135	222	239	215	159	193	149	2,513	2,311	4,824	
Tripoli	228	235	283	218	232	228	276	215	343	340	235	229	283	293	314	312	172	175	305	238	244	289	250	241	3,165	2,983	6,148	
Zgharta	72	51	53	44	53	75	47	64	75	72	82	42	68	62	19	15	49	56	78	75	52	61	57	57	705	677	1,382	
Koura	38	36	47	42	49	37	46	37	66	56	62	42	71	47	36	33	36	34	38	35	63	49	31	20	563	468	1,031	
Biharreh	23	16	35	35	42	50	64	64	175	145	43	26	47	45	59	63	30	22	31	22	33	27	22	30	604	545	1,149	
Batroun	37	23	47	33	52	48	45	35	43	30	25	44	52	34	53	46	55	37	53	31	27	40	24	22	513	423	936	
Hermel	35	46	90	84	113	94	57	61	107	91	82	74	94	75	84	89	76	95	112	117	97	117	76	75	1,023	1,018	2,041	
Baalbek	349	412	319	331	366	363	330	388	420	370	415	363	476	462	448	381	343	276	512	419	305	283	332	311	4,515	4,319	8,934	
Zahleh	173	177	158	143	158	134	135	117	179	186	161	165	147	122	124	65	127	138	175	164	118	136	127	118	1,782	1,655	3,447	
Rachiyeh	30	26	33	39	46	46	62	54	64	47	56	43	77	63	75	66	35	23	45	42	43	45	46	36	612	530	1,142	
West Beqaa	84	69	70	89	98	106	98	86	126	109	129	129	172	104	144	149	113	137	115	114	110	92	76	1,377	1,222	2,599		
Nabatiyeh	182	161	148	170	166	169	169	141	173	155	183	183	221	195	199	202	110	113	206	218	176	138	142	134	2,075	1,979	4,054	
Hasbaniyeh	37	48	43	33	50	49	44	34	72	48	44	59	56	65	62	56	36	34	50	41	49	48	30	41	573	556	1,129	
Majraayoun	137	106	116	105	95	99	111	114	142	137	118	117	157	150	143	142	121	122	153	143	136	138	124	124	1,553	1,497	3,050	
Bent Jbayl	152	166	133	123	156	146	146	152	199	185	159	161	174	197	234	210	121	152	151	152	195	183	169	142	1,989	1,969	3,958	
Saida	162	149	138	112	192	136	149	146	195	215	168	160	188	159	269	224	143	129	159	155	200	187	180	147	2,143	1,919	4,062	
Sour	218	195	214	185	195	190	335	265	410	372	280	248	127	114	217	217	161	165	262	232	233	205	223	234	2,875	2,622	5,497	
Jezzine	32	35	34	39	44	40	54	52	35	64	47	52	45	38	47	58	22	23	46	38	41	52	46	37	493	528	1,021	
Jbayl	58	56	56	59	51	46	53	41	72	50	53	56	66	66	56	87	46	38	80	83	77	54	59	50	54	700	659	1,359
Keserwan	50	41	48	38	64	50	58	50	70	62	61	66	69	65	94	54	45	49	80	61	52	57	60	39	62	751	632	1,383
Main	76	80	53	64	75	87	93	84	107	103	94	70	117	95	116	112	115	95	123	114	79	77	81	82	91	1,129	1,073	2,202
Batnda	95	89	92	61	115	95	79	68	95	96	77	93	145	110	120	101	104	72	96	82	44	45	83	66	1,145	978	2,123	
Aaley	77	83	74	63	80	61	104	106	97	100	86	71	125	113	107	112	85	88	104	100	92	79	67	72	1,098	1,052	2,155	
Chouf	144	146	159	133	199	165	156	140	178	150	189	158	221	220	202	203	189	176	202	200	132	110	132	110	136	1,207	1,037	2,245
Beirut	260	311	254	281	258	296	278	347	274	346	282	305	320	422	383	318	259	322	398	312	648	623	648	623	3,889	4,176	8,065	
Total	3,503	3,507	3,372	3,165	3,847	3,594	3,717	3,573	4,444	4,304	3,694	3,547	4,280	4,021	4,447	4,092	3,528	3,339	4,448	4,002	3,847	3,766	3,356	3,174	46,563	44,084	90,647	

Source: Ministry of Interior records reported to the Ministry of Health through district offices.

Table B.2: Number of registered Lebanese deaths by month, Qada and gender, 2017

Qada	Jan		Feb		Mar		April		May		June		July		Aug		Sep		Oct		Nov		Dec		Total			
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
Aahker	99	89	103	57	103	73	70	55	80	74	68	57	103	79	78	65	87	65	92	54	87	71	73	70	1,043	809	1,852	
Mineh-Danniyeh	42	36	28	26	30	32	25	25	35	24	34	17	35	32	27	21	24	17	37	28	33	30	36	37	386	325	711	
Tripoli	64	72	164	130	88	59	65	53	84	60	60	39	55	48	51	47	54	31	72	61	43	39	66	55	866	694	1,560	
Zgharta	29	28	19	21	19	25	18	28	19	18	23	13	21	19	24	19	19	8	33	22	14	17	20	16	288	234	492	
Koura	31	22	29	15	23	21	18	9	22	12	17	8	25	13	21	21	14	11	24	15	14	14	22	14	280	175	435	
Bcharreh	13	24	12	13	18	10	15	6	39	34	18	12	17	13	19	11	13	9	210	17	19	14	13	15	8	210	382	
Batroun	27	31	29	30	27	20	22	19	26	28	21	14	21	14	20	25	12	14	16	34	21	17	29	13	272	283	535	
Hennel	18	15	19	11	18	19	16	5	21	11	16	12	13	14	20	15	15	11	13	10	17	5	20	8	206	136	342	
Baalbek	129	81	110	58	102	86	78	65	82	68	62	61	62	48	90	56	66	49	112	73	85	60	85	55	1,063	760	1,823	
Zahleh	52	47	63	47	73	54	54	43	73	48	50	40	66	47	52	55	57	31	61	48	39	38	41	38	681	536	1,217	
Rachaya	20	12	11	13	13	9	12	6	19	10	11	12	19	15	12	17	3	2	14	6	14	10	13	6	161	118	279	
West Beqaa	29	28	33	25	26	25	36	15	24	19	21	19	36	18	19	20	21	22	25	35	30	11	22	27	322	264	586	
Nabatiyeh	67	43	46	39	53	45	46	36	35	34	36	29	38	30	36	37	23	19	50	42	51	26	53	34	534	414	948	
Hasbaya	11	14	16	10	20	15	14	20	17	11	14	5	16	11	12	10	11	7	13	9	21	11	17	14	182	137	319	
Marjayoun	24	13	35	25	44	34	37	23	38	19	31	27	23	36	31	31	33	22	34	22	33	28	31	30	394	310	704	
Bent Jbayl	38	37	47	38	48	34	51	34	36	40	34	25	45	32	53	39	34	24	40	24	54	41	41	29	521	397	918	
Saida	62	60	35	47	64	50	57	30	45	41	39	34	47	40	49	29	44	29	36	37	55	40	37	42	570	479	1,049	
Sour	41	45	54	52	66	52	64	45	64	42	55	45	41	36	39	20	44	31	40	33	45	40	42	52	595	493	1,088	
Jezzine	29	18	25	25	32	26	31	18	23	19	21	16	19	19	25	22	14	7	18	23	22	16	29	15	288	224	512	
Jbayl	39	40	33	32	37	34	46	24	28	27	30	26	25	24	50	19	24	18	48	40	30	23	32	26	394	333	727	
Keserwan	62	37	42	30	54	33	38	26	34	39	32	24	43	26	42	42	30	15	47	46	46	30	27	41	41	495	386	881
Main	72	71	50	62	71	59	58	73	66	60	58	37	80	59	66	46	59	38	91	63	57	50	78	47	806	665	1,471	
Baabda	94	54	79	56	77	53	62	45	58	42	61	63	52	54	73	45	43	33	47	51	53	39	48	32	747	567	1,314	
Aaley	67	72	57	58	54	46	50	44	54	39	34	33	37	38	54	40	36	29	49	37	40	31	42	48	574	515	1,089	
Chouf	94	76	78	61	90	69	70	64	72	85	48	59	59	54	72	60	54	48	78	64	63	64	64	61	842	765	1,607	
Beirut	193	177	157	151	185	177	146	131	147	137	120	112	143	117	139	123	88	0	130	114	113	116	51	39	1,612	1,394	3,006	
Total	1,446	1,242	1,374	1,132	1,435	1,164	1,139	942	1,241	1,041	1,014	839	1,141	936	1,175	935	922	590	1,207	1,070	1,080	877	1,048	857	14,282	11,565	25,847	

Source: Ministry of Interior records reported to the Ministry of Health through district offices.

Table B.3: Resident population* distribution by age group and gender, 2017

Age groups	Percent			Population 2017		
	M	F	T	M	F	T
0-4	3.6	3.3	6.9	159,146	145,884	305,029
5-9	4.3	4.1	8.3	187,880	179,039	366,919
10-14	4.9	4.5	9.4	216,615	198,932	415,547
15-19	5.2	4.5	9.8	231,203	199,816	431,020
20-24	5.1	4.7	9.8	225,456	207,774	433,230
25-29	3.9	4.2	8.1	172,408	185,670	358,078
30-34	3.5	3.8	7.4	156,493	168,871	325,364
35-39	3.0	3.7	6.7	132,621	163,566	296,188
40-44	2.7	3.5	6.2	120,685	154,725	275,410
45-49	2.5	3.0	5.6	111,844	132,621	244,465
50-54	2.2	2.5	4.8	98,582	110,518	209,100
55-59	1.8	2.0	3.8	79,573	88,414	167,987
60-64	1.7	2.0	3.7	75,152	88,414	163,566
65-69	1.6	1.7	3.2	70,731	75,152	145,884
70-74	1.4	1.4	2.8	61,890	61,890	123,780
75-79	1.0	0.9	1.9	44,207	39,786	83,994
80-84	0.6	0.6	1.2	26,524	26,524	53,049
85+	0.3	0.2	0.5	13,262	8,841	22,104
Total	49.4	50.6	100.0	2,184,274	2,236,439	4,420,713

*Excluding Palestinian camps and Syrian refugees.

Source: Population estimate based on latest baseline data and age proportions available from the Central Administration of Statistics (CAS).

Table B.4: Resident population* distribution by age group and Qada, 2017

Qada	%	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	7.19	21,928	26,377	29,673	30,986	31,144	25,742	22,390	21,292	19,799	17,574	15,032	12,076	11,759	10,487	8,898	7,632	6,314	1,589	317,798
Minih-Damijeh	3.35	10,213	12,395	13,913	14,431	14,505	11,989	10,894	9,917	9,221	8,185	7,001	5,624	5,476	4,884	4,144	2,812	1,776	740	148,010
Tripoli	6.74	20,573	24,747	28,027	29,071	29,220	24,151	21,945	19,977	18,575	16,488	14,103	11,330	11,032	9,839	8,348	5,665	3,578	1,491	298,159
Zgharta	1.50	4,585	5,915	6,246	6,478	6,512	5,382	4,880	4,482	4,140	3,674	3,143	2,525	2,458	2,193	1,880	1,582	797	332	66,445
Koura	1.34	4,094	4,924	5,577	5,785	5,814	4,806	4,367	3,975	3,686	3,281	2,806	2,285	2,195	1,958	1,661	1,127	712	297	59,330
Bcharrah	0.59	1,803	2,169	2,457	2,548	2,581	2,117	1,924	1,791	1,628	1,445	1,236	993	967	863	732	497	314	131	26,137
Baroun	1.03	3,139	3,776	4,277	4,438	4,459	3,685	3,348	3,048	2,834	2,516	2,152	1,729	1,683	1,501	1,274	884	546	227	45,995
	21.75																			
Hemel	1.44	4,392	5,283	5,983	6,206	6,238	5,156	4,685	4,265	3,966	3,520	3,011	2,419	2,355	2,101	1,782	1,209	764	318	63,654
Baalbak	6.09	18,564	22,330	25,290	26,231	26,566	21,792	18,801	18,026	16,761	14,878	12,726	10,223	9,954	8,878	7,533	5,112	3,228	1,345	289,039
Zahleh	3.96	12,097	14,540	16,467	17,080	17,188	14,190	12,893	11,737	10,914	9,687	8,286	6,657	6,482	5,781	4,905	3,328	2,102	876	175,180
Rachaya	0.87	2,656	3,195	3,618	3,753	3,772	3,118	2,833	2,579	2,398	2,129	1,821	1,463	1,424	1,270	1,078	731	462	192	38,482
West Beqaa	2.00	6,107	7,347	8,320	8,630	8,674	7,170	6,515	5,930	5,514	4,895	4,187	3,364	3,275	2,921	2,478	1,682	1,062	443	88,514
	14.36																			
Makelijeh	2.97	9,070	10,910	12,356	12,816	12,882	10,648	9,675	8,807	8,189	7,289	6,218	4,995	4,884	4,338	3,681	2,498	1,577	657	131,451
Hassbiya	0.73	2,213	2,682	3,015	3,127	3,143	2,598	2,361	2,149	1,998	1,774	1,517	1,219	1,187	1,058	888	609	385	160	32,076
Mariayoun	1.77	5,388	6,481	7,340	7,613	7,682	6,325	5,747	5,232	4,865	4,318	3,693	2,967	2,889	2,577	2,186	1,484	937	390	78,085
Berit,Jayl	2.21	6,727	8,092	9,194	9,506	9,554	7,897	7,175	6,532	6,074	5,391	4,611	3,705	3,607	3,217	2,730	1,852	1,170	487	97,493
	7.67																			
Saida	5.52	16,838	20,254	22,939	23,793	23,915	19,786	17,961	16,350	15,203	13,495	11,543	9,273	9,029	8,053	6,833	4,637	2,928	1,220	244,030
Sour	5.50	16,781	20,185	22,661	23,712	23,833	19,699	17,899	16,294	15,151	13,449	11,503	9,242	8,998	8,026	6,810	4,621	2,918	1,216	243,198
Jezzine	0.65	1,980	2,382	2,698	2,798	2,812	2,325	2,112	1,923	1,788	1,587	1,357	1,091	1,082	947	804	545	344	143	28,698
	11.67																			
Jayl	2.10	6,393	7,690	8,709	9,033	9,079	7,504	6,819	6,207	5,772	5,123	4,382	3,521	3,428	3,057	2,594	1,780	1,112	463	92,648
Keserwan	3.82	11,639	14,000	15,656	16,446	16,530	13,683	12,415	11,301	10,509	9,328	7,978	6,410	6,241	5,566	4,723	3,205	2,024	843	188,678
Main	10.87	33,456	40,244	45,578	47,275	47,517	39,274	35,686	32,486	30,207	26,813	22,934	18,425	17,940	16,001	13,576	9,213	5,818	2,424	484,689
Baalda	11.07	33,757	40,906	45,987	47,700	47,944	39,627	36,007	32,778	30,479	27,054	23,140	18,591	18,101	16,144	13,688	9,256	5,871	2,446	489,226
Aaley	3.17	9,682	11,647	13,190	13,681	13,751	11,366	10,328	9,401	8,742	7,780	6,637	5,332	5,192	4,631	3,929	2,668	1,684	702	140,320
Chouf	4.10	12,501	15,038	17,031	17,665	17,755	14,675	13,335	12,139	11,287	10,019	8,570	6,885	6,704	5,979	5,073	3,442	2,174	906	181,176
	35.22																			
Beirut	9.33	28,463	34,238	38,776	40,220	40,426	33,413	30,361	27,638	25,699	22,812	19,512	15,675	15,263	13,613	11,550	7,838	4,950	2,063	412,512
	9.33																			
Total	100.00	305,029	366,919	415,547	431,020	433,230	358,078	325,364	296,188	275,470	244,465	209,100	167,987	163,566	145,884	123,790	83,994	53,049	22,104	4,420,713

*Excluding Palestinian camps and Syrian refugees.

Source: Population estimate based on latest baseline data and age proportions available from the Central Administration of Statistics (CAS).

Table B.5: Resident population* distribution by Mohafaza and Qada, 2010-2017

Mohafaza	Qada	Percent of Total Population, 2010	Population 2010	Population 2011	Population 2012	Population 2013	Population 2014	Population 2015	Population 2016	Population 2017	Percent of Total Population, 2017	
North	Akkar	6.30	249,642	258,788	268,191	277,260	286,866	296,757	306,733	317,298	7.19	
	Minieh-Danniyeh	3.07	121,722	125,429	129,116	132,482	136,249	139,887	143,897	148,010	3.35	
	Tripoli	6.74	267,159	272,162	276,827	280,993	285,081	289,136	293,571	298,159	6.74	
	Zgharta	1.48	56,479	60,331	61,570	62,520	63,437	64,458	65,555	66,445	1.50	
	Koura	1.42	56,384	57,198	57,629	57,679	57,839	58,138	58,734	59,330	1.34	
	Behraneh	0.54	21,559	22,626	23,587	24,139	24,686	25,070	25,370	25,137	0.59	
	Beiroun	1.05	41,793	42,569	43,108	43,603	44,166	44,662	45,094	45,495	1.03	
	Total	20.62	816,739	839,092	860,029	878,677	898,325	918,109	938,955	961,375	21.75	
	Beqaa	Hennel	1.34	53,052	54,577	56,212	57,541	58,854	60,297	61,955	63,654	1.44
		Baalbek	5.51	218,285	226,566	231,648	240,242	247,533	254,375	261,928	269,039	6.09
Zahleh		3.90	154,642	157,894	160,925	163,841	166,841	169,903	172,950	175,180	3.96	
Rachaya		0.82	32,617	33,657	34,466	35,107	36,020	36,751	37,629	38,492	0.87	
West Beqaa		1.89	74,709	76,917	78,916	80,803	82,654	84,408	86,501	88,514	2.00	
Total		13.46	533,305	549,611	562,167	577,534	591,932	606,734	620,963	634,879	14.36	
Nabatiyeh		Nabatiyeh	2.95	116,703	117,871	119,214	120,352	122,345	125,176	128,345	131,451	2.97
		Hasbaniya	0.66	26,070	26,944	27,988	28,866	29,685	30,463	31,266	32,076	0.73
		Marjayoun	1.51	59,676	63,037	66,441	68,771	71,128	73,349	75,739	78,085	1.77
		Bent Jbeil	1.90	75,237	79,038	82,345	85,512	88,444	91,279	94,453	97,493	2.21
	Total	7.01	277,686	286,890	295,988	303,501	311,602	320,267	329,803	339,105	7.67	
	South	Saida	5.31	210,190	217,616	224,624	230,653	235,037	237,979	241,017	244,930	5.52
		Sour	5.34	211,601	216,368	221,040	225,539	230,247	234,509	238,789	243,198	5.50
		Lezvine	0.64	25,178	25,826	26,380	26,880	27,346	27,775	28,189	28,698	0.65
		Total	11.28	446,969	459,810	472,044	483,052	492,630	500,263	507,995	515,926	11.67
		Mount Lebanon	Jbeil	2.19	86,659	87,770	88,650	89,591	90,432	91,179	92,016	92,648
Keserwan			4.15	164,489	165,216	165,875	166,480	167,039	167,594	168,176	168,678	3.82
Main			12.10	479,510	480,197	480,936	481,535	482,535	483,352	484,138	484,869	10.97
Baalbek			12.15	481,423	482,690	483,777	484,861	486,312	487,166	488,417	489,226	11.07
Ashiyeh			3.34	132,503	133,651	134,791	135,865	137,065	138,099	139,254	140,320	3.17
Couff			4.18	164,074	166,799	169,331	171,794	174,181	176,401	178,744	181,176	4.10
Total	38.08		1,508,658	1,516,323	1,523,360	1,530,126	1,537,664	1,543,781	1,550,745	1,556,917	36.22	
Beirut	Beirut		9.55	378,464	384,725	390,238	394,880	399,304	403,381	407,453	412,512	9.33
	Total		9.55	378,464	384,725	390,238	394,880	399,304	403,381	407,453	412,512	9.33
Total Population	100.00		3,967,820	4,036,450	4,103,825	4,167,769	4,231,596	4,291,534	4,359,913	4,420,713	100	

* Excluding Palestinian camps and Syrian refugees.
 Source: Population estimate based on latest baseline data and age proportions available from the Central Administration of Statistics (CAS) in addition to birth and death records available from the Ministry of Interior.

Table B-6: Resident population* distribution by age group, Qada and some basic indicators, 2017

Qada	0-4	5-9	10-14	<15 years	>65 years	Active Population**	Total Population	Births	Deaths	GBR	CDR	RNI
Akkar	21,928	26,377	29,873	78,178	30,826	208,793	317,798	12,917	1,852	40.65	5.83	3.48
Minieh-Danniyeh	10,213	12,285	13,913	36,410	14,357	97,242	148,010	4,824	711	32.59	4.80	2.78
Tripoli	20,573	24,747	28,027	73,347	28,921	195,891	298,159	6,148	1,560	20.62	5.23	1.54
Zgharta	4,585	5,515	6,246	16,346	6,445	43,655	66,445	1,382	492	20.80	7.40	1.34
Koura	4,094	4,924	5,577	14,595	5,755	38,980	59,330	1,031	435	17.38	7.33	1.00
Bcharreh	1,803	2,169	2,457	6,430	2,535	17,172	26,137	1,149	382	43.96	14.62	2.93
Baroun	3,139	3,776	4,277	11,192	4,413	29,890	45,495	936	535	20.57	11.76	0.88
Hermel	4,392	5,283	5,983	15,659	6,174	41,821	63,654	2,041	342	32.06	5.37	2.67
Baalbek	18,564	22,330	25,290	66,184	26,097	176,758	269,039	8,934	1,823	33.21	6.78	2.64
Zahleh	12,087	14,540	16,487	43,094	16,992	115,093	175,180	3,447	1,217	19.68	6.95	1.27
Rachaiya	2,656	3,195	3,618	9,469	3,734	25,289	38,492	1,142	279	29.67	7.25	2.24
West Beqaa	6,107	7,347	8,320	21,774	8,586	58,154	88,514	2,599	586	29.36	6.62	2.27
Nabatiyeh	9,070	10,910	12,356	32,337	12,751	86,363	131,451	4,054	948	30.84	7.21	2.36
Hasbaya	2,213	2,662	3,015	7,891	3,111	21,074	32,076	1,129	319	35.20	9.95	2.53
Marjayoun	5,388	6,481	7,340	19,209	7,574	51,302	78,085	3,050	704	39.06	9.02	3.00
Bent Jbayl	6,727	8,092	9,164	23,983	9,457	64,053	97,493	3,958	918	40.60	9.42	3.12
Saida	16,838	20,254	22,939	60,031	23,671	160,328	244,030	4,062	1,049	16.65	4.30	1.23
Sour	16,781	20,185	22,861	59,827	23,590	159,781	243,198	5,497	1,088	22.60	4.47	1.81
Jezzine	1,980	2,382	2,698	7,060	2,784	18,854	28,698	1,021	512	35.58	17.84	1.77
Jbayl	6,393	7,690	8,709	22,791	8,987	60,870	92,648	1,369	727	14.67	7.85	0.68
Keserwan	11,639	14,000	15,866	41,495	16,362	110,822	168,678	1,383	881	8.20	5.22	0.30
Maln	33,456	40,244	45,678	119,278	47,032	318,559	484,869	2,202	1,471	4.54	3.03	0.15
Baabda	33,757	40,606	45,987	120,350	47,455	321,421	489,226	2,123	1,314	4.34	2.69	0.17
Aaley	9,682	11,647	13,190	34,519	13,611	92,190	140,320	2,155	1,089	15.36	7.76	0.76
Chouf	12,501	15,038	17,031	44,569	17,574	119,033	181,176	4,039	1,607	22.29	8.87	1.34
Beirut	28,463	34,238	38,776	101,478	40,014	271,020	412,512	8,065	3,006	19.55	7.29	1.23
Total	305,029	366,919	415,547	1,087,495	428,809	2,904,408	4,420,713	90,647	25,847	20.51	5.85	1.47

*Excluding Palestinian camps and Syrian refugees.

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

Source: Population estimate based on latest baseline data and age proportions available from the Central Administration of Statistics (CAS) in addition to birth and death records available from the Ministry of Interior.

Table B.7: Proportion of reported hospital deaths by age group and gender in Lebanon, 2017

Age group	Female (%)	Male (%)	Total (%)
<1year	3.22	4.22	7.44
1 to 4	0.87	0.93	1.79
5 to 9	0.20	0.34	0.54
10 to 14	0.17	0.21	0.38
15 to 19	0.30	0.72	1.02
20 to 24	0.29	0.80	1.09
25 to 29	0.42	0.82	1.25
30 to 34	0.36	0.84	1.20
35 to 39	0.57	0.81	1.38
40 to 44	0.58	0.90	1.48
45 to 49	0.93	1.59	2.53
50 to 54	1.67	2.29	3.96
55 to 59	2.07	3.39	5.46
60 to 64	2.59	3.85	6.43
65 to 69	2.99	4.73	7.72
70 to 74	4.20	5.37	9.57
75 to 79	5.40	6.51	11.91
80 to 84	6.65	7.12	13.77
85 to 89	6.44	5.64	12.08
90 to 94	3.54	3.00	6.54
95+	1.09	1.00	2.09
Unknown	0.15	0.22	0.36
Total	44.72	55.28	100.00

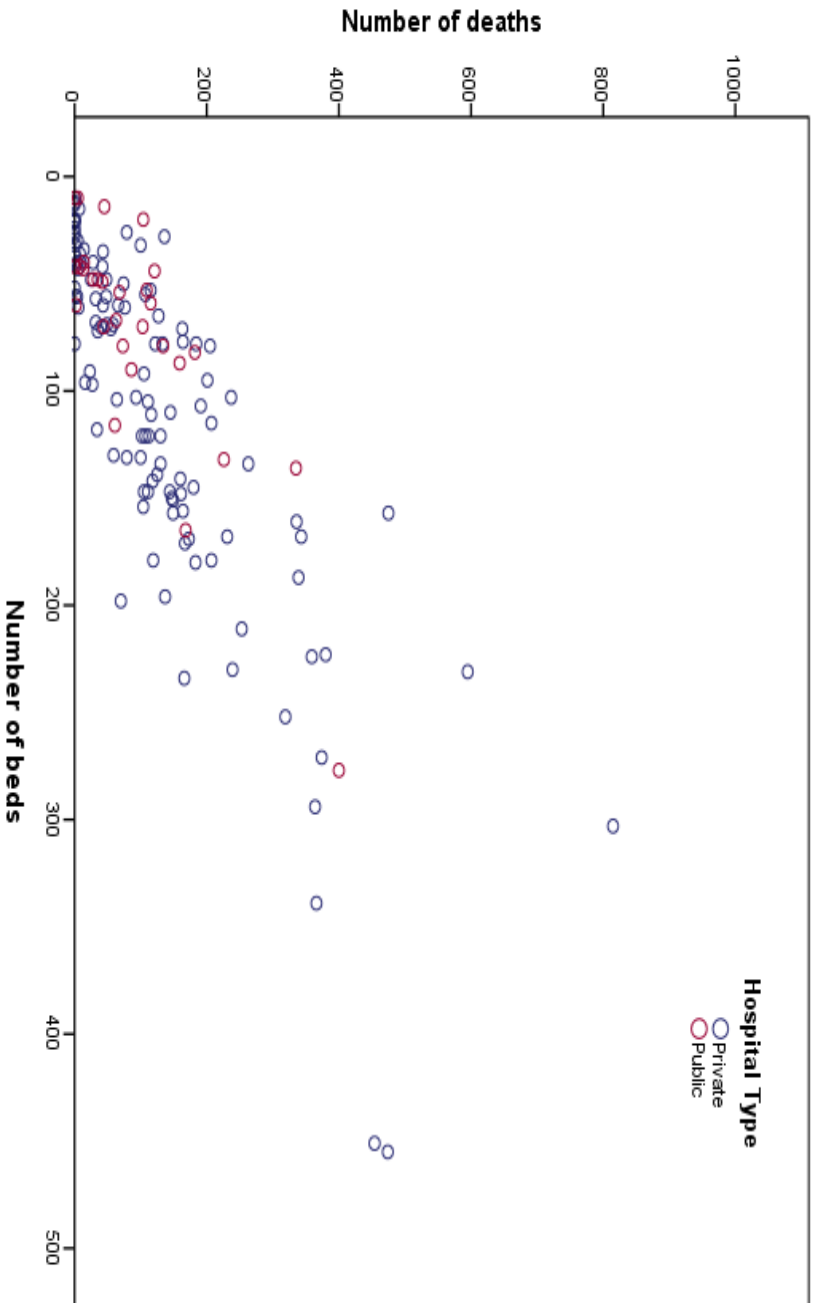
Source: Hospital Mortality System (HMS), Statistics Department, MOPH (on 12-11-2018)

Table B.8: Top 10 leading causes of reported hospital deaths* by ICD10 4 - character code and gender, 2017

Top 10 leading causes of death					
Males			Females		
Description	ICD-10	%	Description	ICD-10	%
Malignant neoplasm of bronchus or lung, unspecified	C34.9	4.6	Malignant neoplasm of breast, unspecified	C50.9	2.7
Acute myocardial infarction, unspecified	I21.9	3.0	Malignant neoplasm of bronchus or lung, lower lobe	C34.3	2.2
Pneumonia, unspecified	J18.9	2.2	Acute myocardial infarction, unspecified	I21.9	2.0
Exposure to unspecified factor, causing other and unspecified injury	X59.9	2.1	Pneumonia, unspecified	J18.9	1.7
Acute renal failure, unspecified	N17.9	1.4	Acute renal failure, unspecified	N17.9	1.5
Intracerebral haemorrhage, unspecified	I61.9	1.2	Malignant neoplasm of colon, unspecified	C18.9	0.9
Malignant neoplasm of colon, unspecified	C18.9	1.2	Malignant neoplasm of pancreas, unspecified	C25.9	0.8
Malignant neoplasm of pancreas, unspecified	C25.9	1.1	Intracerebral haemorrhage, unspecified	I61.9	0.8
Malignant neoplasm of prostate	C61	1.1	Stroke, not specified as haemorrhage or infarction	I64	0.7
Malignant neoplasm of bladder, unspecified	C67.9	0.8	Exposure to unspecified factor, causing other and unspecified injury	X59.9	0.7

Source: Hospital Mortality System (HMS), Statistics Department, MOPH

*The underlying cause of death was selected using the ICRS software, a coding system based on international standard



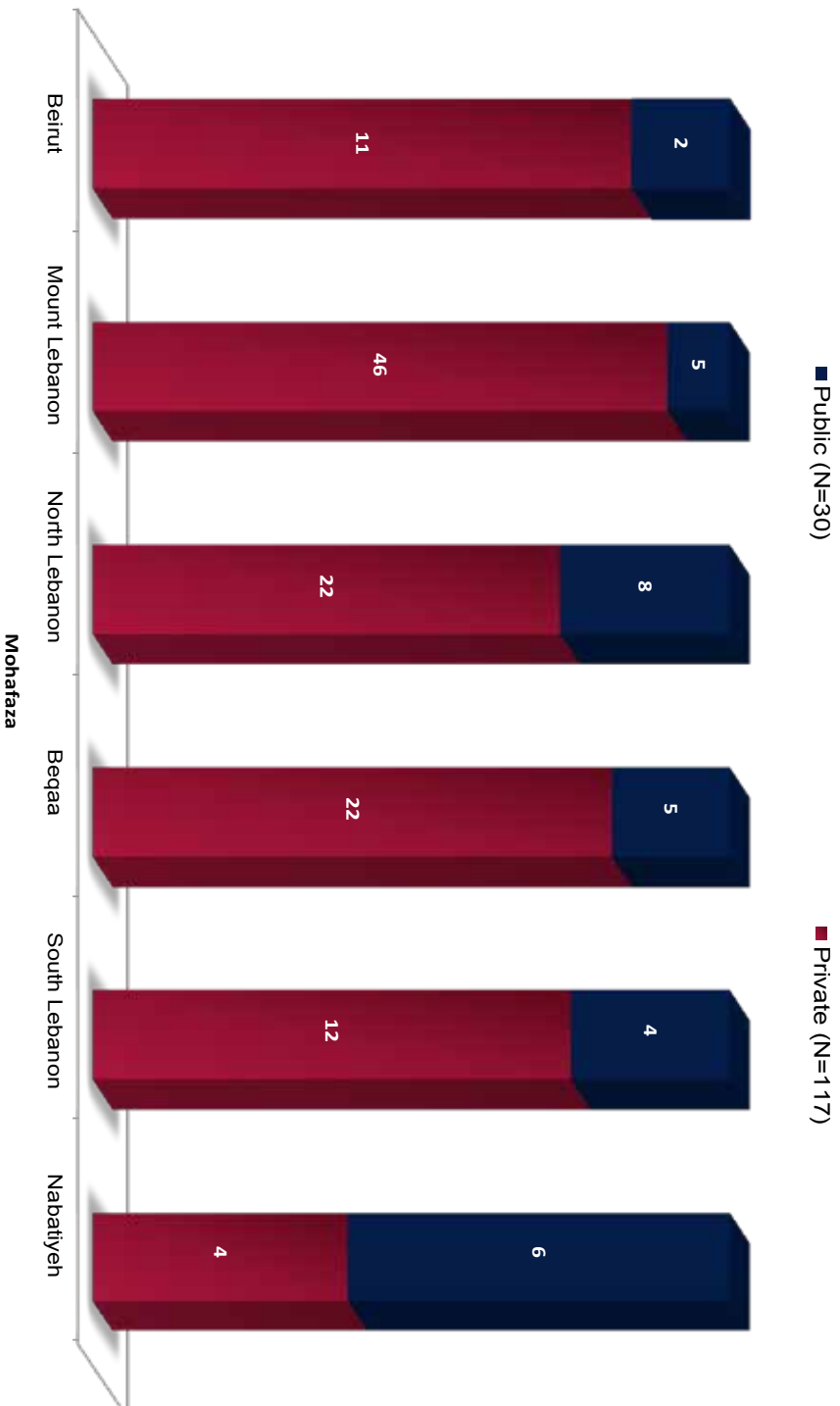
Graph B.1 : Plot of the number of the reported deaths by size* and type of hospital, 2017

Source: Hospital Mortality System (HMS), Statistics Department, MOPH

*Based on the latest numbers of beds published on the syndicate of hospitals' website

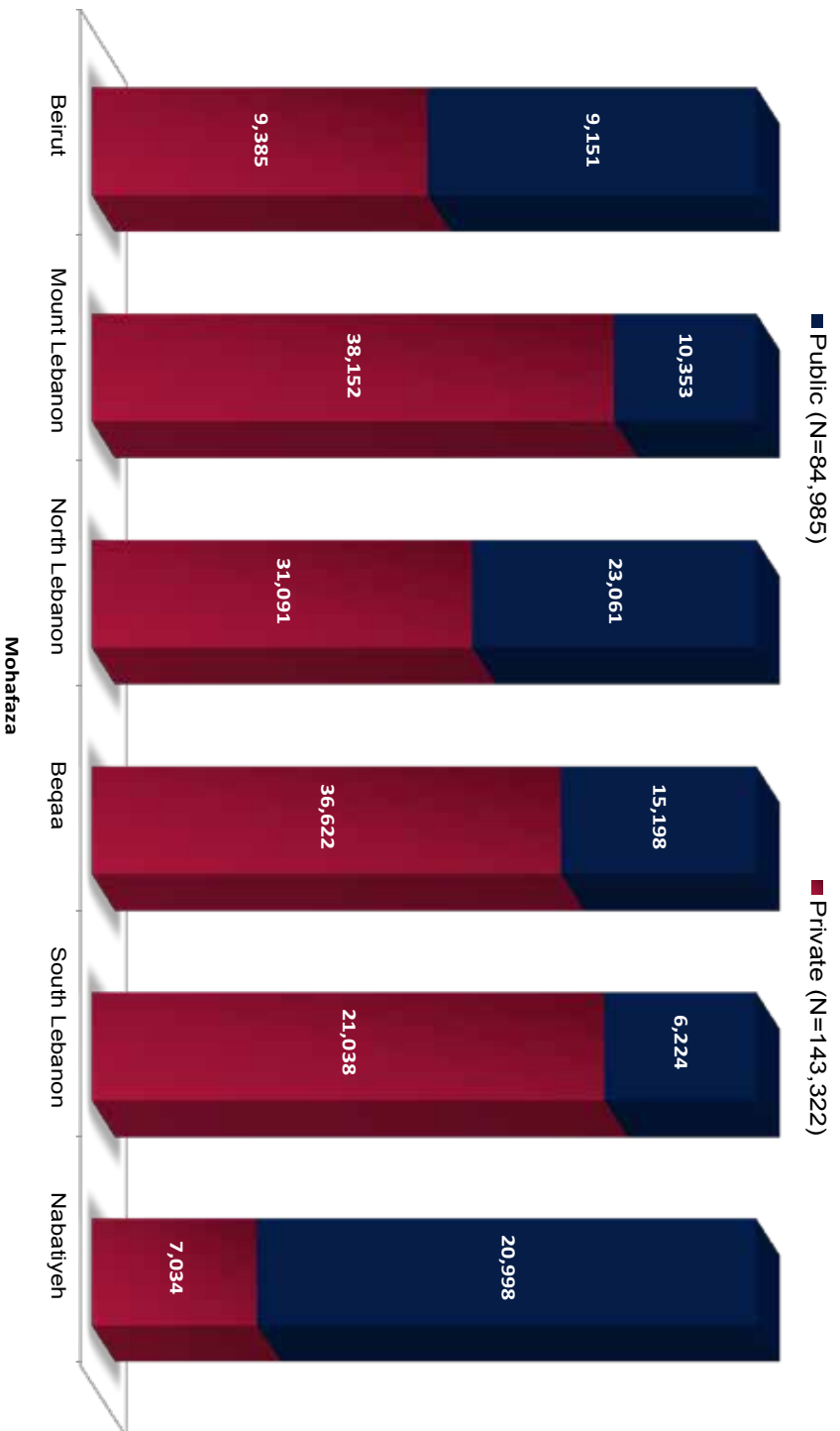
C- MOPH Services Utilization Data

Graph C.1: Hospitals contracting with MOPH by Mohafaza and type, 2017



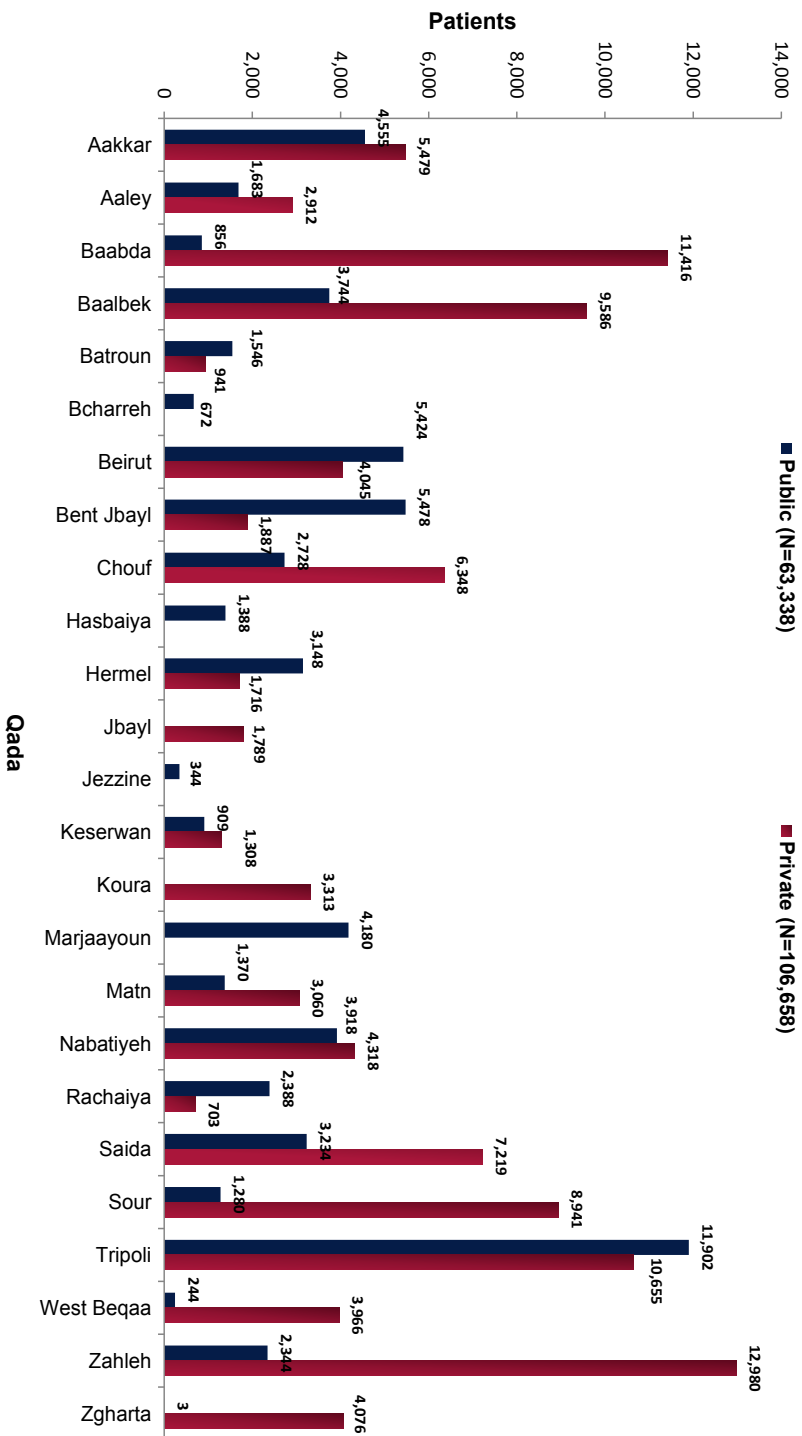
Source: Hospital billing database, IT department, MOPH.

Graph C.2 : MOPH subsidized admissions by Mohafaza and type of hospital, 2017



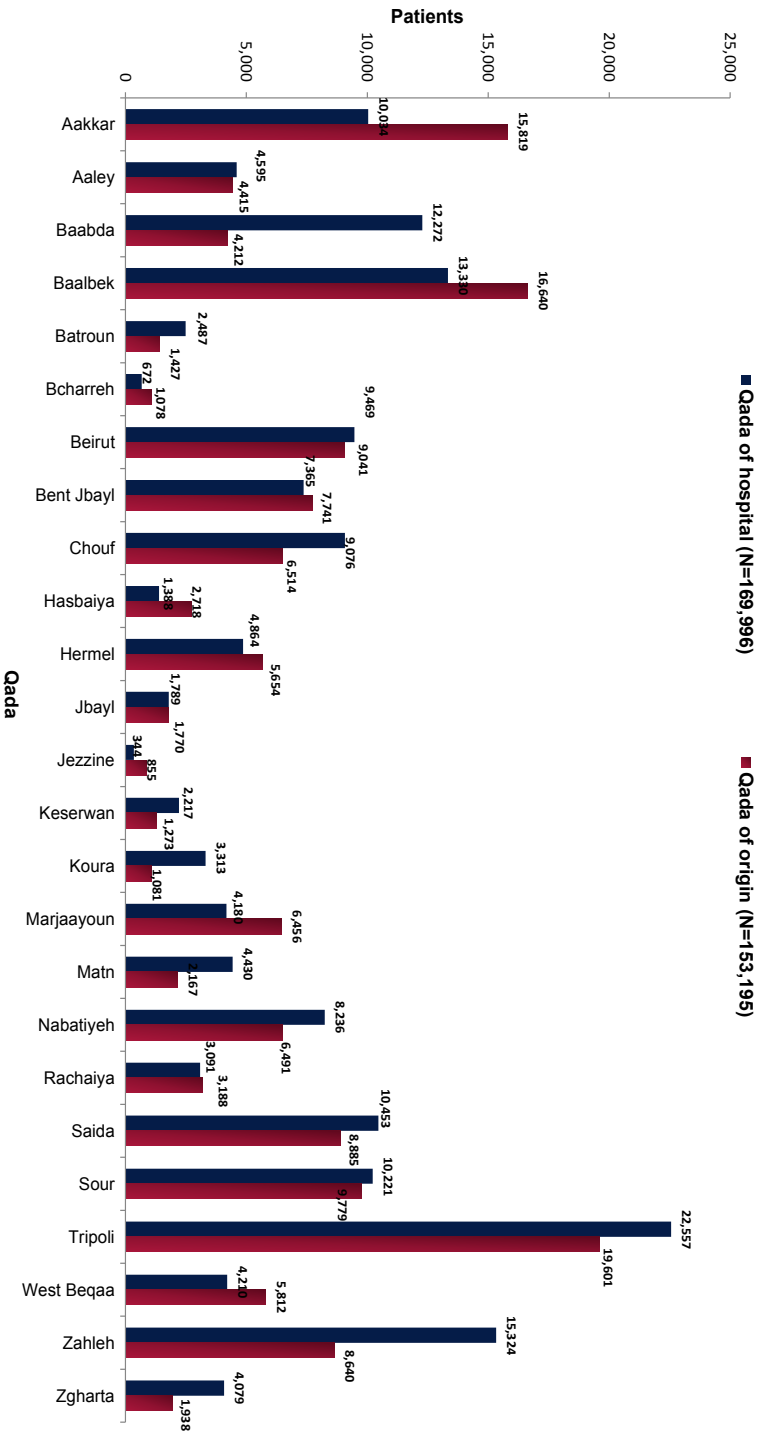
Source: Hospital billing database, IT department, MOPH.

Graph C.3: MOPH subsidized in-patients by Qada and type of hospital, 2017



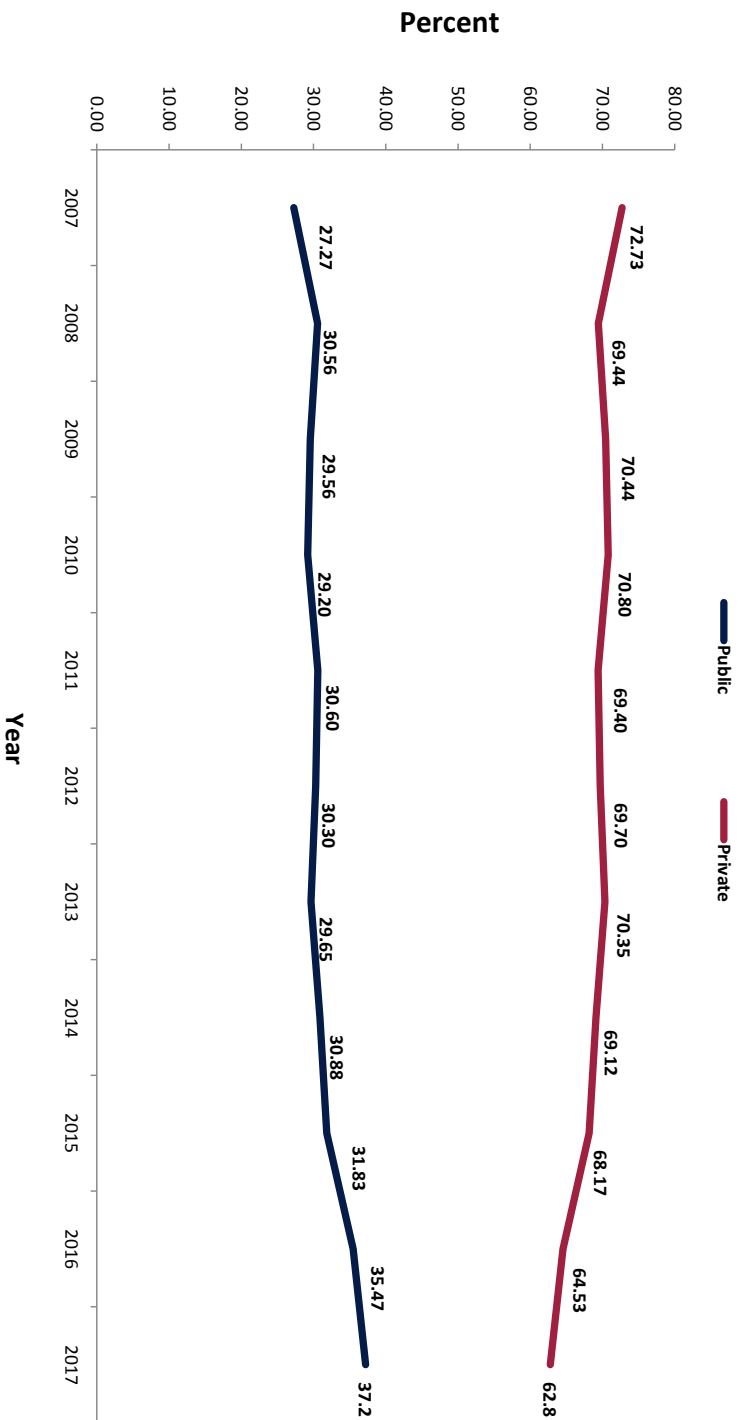
Source: Hospital billing database, IT department, MOPH.

Graph C.4: MOPH subsidized in-patients by Qada of hospital and Qada of origin, 2017



Source: Hospital billing database, IT department, MOPH.

Graph C.5: The evolution of MOPH subsidized admissions in public and private hospitals between 2007 and 2017



Source: Hospital billing database, IT department, MOPH.

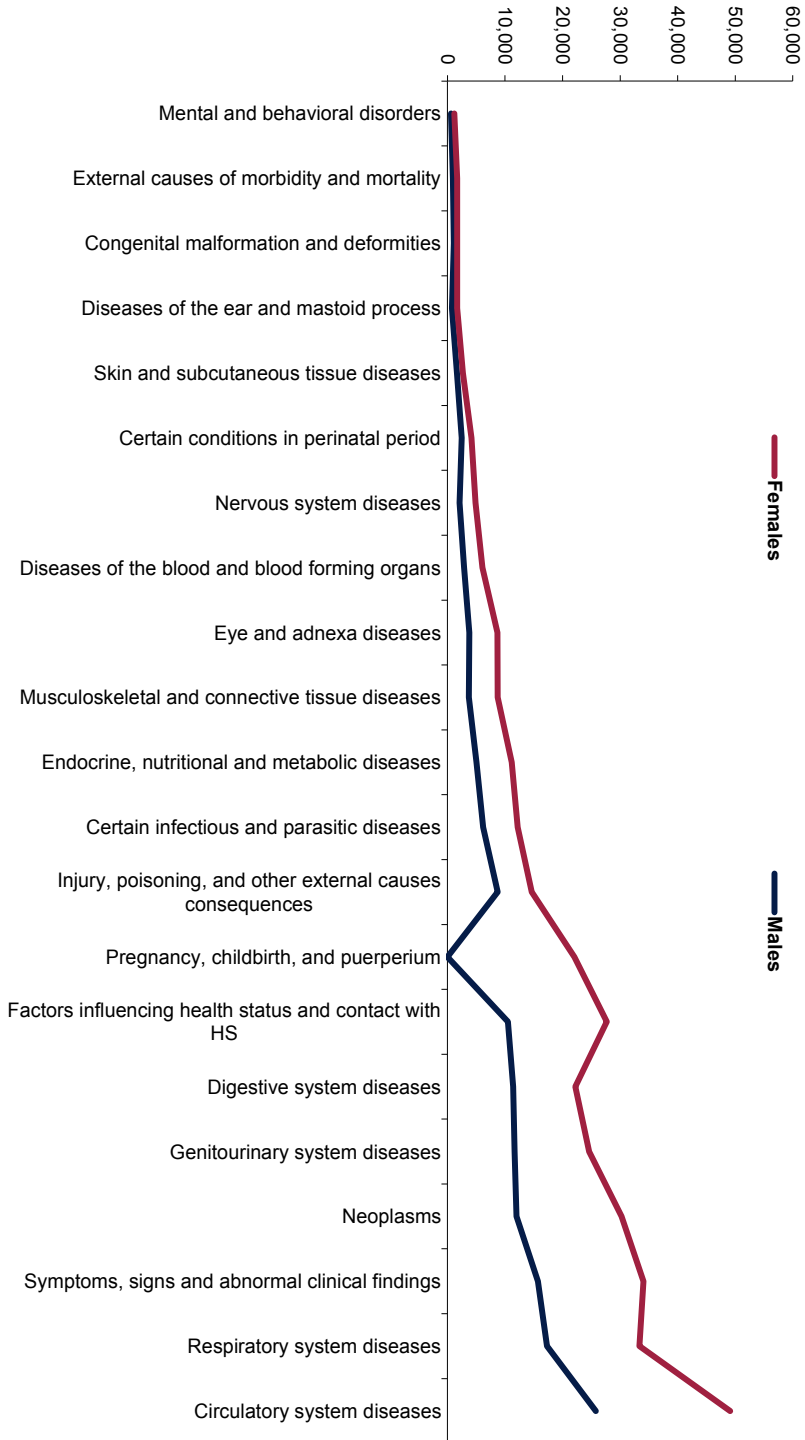
Graph C.6: MOPH subsidized hospital cases* by ICD10 category of diagnosis, 2017 (N=322,748)



*Based on discharge data

Source: Hospital billing database, IT department, MOPH.

Graph C.7: MOPH subsidized hospital cases* by ICD10 category of diagnosis and gender, 2017 (N=322,748)



*Based on discharge data

Source: Hospital billing database, IT department, MOPH.

Table C.1: MOPH subsidized hospital cases* by category of diagnosis and gender, 2017

ICD10	Codes	Description	M	F	T
Chapter 1	A00-B99	Certain infectious and parasitic diseases	M	F	T
	A00-A09	Intestinal Infectious Diseases	4,549	4,349	8,898
	A15-A19	Tuberculosis	25	21	46
	A20-A28	Certain zoonotic bacterial diseases	50	39	89
	A30-A49	Other bacterial diseases	631	647	1,278
	A50-A64	Infections with a predominantly sexual mode of transmission	19	14	33
	A65-A69	Other spirochaetal diseases	1	4	5
	A70-A74	Other diseases caused by chlamydiae	0	0	0
	A75-A79	Rickettsioses	2	1	3
	A80-A89	Viral Infections of the CNS	27	24	51
	A90-A99	Arthropod-borne viral fevers and viral hemorrhagic fevers	9	3	12
	B00-B09	Viral Infections characterized by skin and mucous membrane lesions	66	58	124
	B15-B19	Viral hepatitis	149	105	254
	B20-B24	Human immunodeficiency virus[HIV] disease	23	2	25
	B25-B34	Other viral diseases	122	81	203
	B35-B49	Mycoses	45	40	85
	B50-B64	Protozoal diseases	33	14	47
	B65-B83	Helminthiases	30	39	69
	B85-B89	Pediculosis, acariasis and other infestations	4	3	7
	B90-B94	Sequelae of infectious and parasitic diseases	0	5	5
	B95-B97	Bacterial, viral and other infectious agents	381	548	929
	B99	Other infectious diseases	20	18	38
Total			6,186	6,015	12,201
Chapter 2	C00-D48	Neoplasms	M	F	T
	C00-C97	Malignant Neoplasms	10,889	16,163	27,052
	C00-C14.8	Lip oral cavity and pharynx	187	104	291
	C15-C26.9	Digestive organs	1,675	1,647	3,322
	C30-C39.9	Respiratory and intrathoracic organs	2,204	1,102	3,306
	C40-C41.9	Bone and articular cartilage	137	172	309
	C43-C44.9	Melanoma and other malignant neoplasms of skin	163	88	251
	C45-C49.9	Mesothelial and soft tissue	175	145	320
	C50-C50.9	Breast	182	7,414	7,596
	C51-C58	Female genital organs	82	1,275	1,357
	C60-C63.9	Male genital organs	713	34	747
	C64-C68.9	Urinary tract	1,012	368	1,380
	C69-C72.9	Eye, brain and other parts of CNS	253	208	461
	C73-C75.9	Thyroid and other endocrine glands	197	145	342
	C76-C80	Ill-defined, secondary and unspecified sites	556	729	1,285
	C81-C96.9	Lymphoid, haematopoietic and related tissue	3,353	2,726	6,079
	C97	Independent (primary) multiple sites	0	6	6
	D00-D09	In situ neoplasms	56	68	124
	D10-D36	Benign neoplasms	745	1,677	2,422
	D37-D48	Neoplasms of uncertain and unknown behavior	298	353	651
Total			11,988	18,261	30,249

ICD10	Codes	Description	M	F	T
Chapter 3	D50-D89	Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	M	F	T
	D50-D53	Nutritional anaemias	350	717	1,067
	D55-D59	Haemolytic anaemias	1,008	730	1,738
	D60-D64	Aplastic and other anaemias	937	1,348	2,285
	D65-D69	Coagulation defects, purpura and other haemorrhagic conditions	189	184	373
	D70-D77	Other diseases of the blood and blood forming organs	251	153	404
	D80-D89	Certain disorders involving the immune mechanism	130	85	215
Total			2,865	3,217	6,082
Chapter 4	E00-E90	Endocrine, nutritional and metabolic diseases	M	F	T
	E00-E07	Disorders of thyroid gland	229	1,091	1,320
	E10-E14	Diabetes mellitus	3,085	3,138	6,223
	E15-E16	Other disorders of glucose regulation and pancreatic internal secretion	60	99	159
	E20-E35	Disorders of other endocrine glands	88	143	231
	E40-E46	Malnutrition	19	17	36
	E50-E64	Other nutritional deficiencies	23	32	55
	E65-E68	Obesity and other hyperalimination	127	229	356
	E70-E90	Metabolic disorders	1,419	1,378	2,797
Total			5,050	6,127	11,177
Chapter 5	F00-F99	Mental and behavioral disorders	M	F	T
	F00-F09	Organic, including symptomatic, mental disorders	28	35	63
	F10-F19	Mental and behavioral disorders due to psychoactive substance abuse	151	104	255
	F20-F29	Schizophrenia, schizotypal and delusional disorders	220	130	350
	F30-F39	Mood [affective] disorders	119	131	250
	F40-F48	Neurotic, stress-related and somatoform disorders	49	90	139
	F50-F59	Behavioral syndromes associated with physiological disturbances and physical factors	11	10	21
	F60-F69	Disorders of adult personality and behaviour	5	20	25
	F70-F79	Mental retardation	21	16	37
	F80-F89	Disorders of psychological development	9	9	18
	F90-F98	Behavioral and emotional disorders with onset usually occurring in childhood and adolescence	1	2	3
	F99	Unspecified mental disorder	0	2	2
Total			614	549	1,163
Chapter 6	G00-G99	Diseases of the nervous system	M	F	T
	G00-G09	Inflammatory diseases of the central nervous system	78	63	141
	G10-G13	Systemic atrophies primarily affecting the nervous system	22	54	76
	G20-G26	Extrapyramidal and mood disorders	46	27	73
	G30-G32	Other degenerative diseases of the nervous system	54	57	111
	G35-G37	Demyelinating diseases of the CNS	94	208	302
	G40-G47	Episodic and paroxysmal disorders	951	1,019	1,970
	G50-G59	Nerve, nerve root and plexus disorders	243	722	965
	G60-G64	Polyneuropathies and other disorders of the peripheral NS	46	56	102
	G70-G73	Diseases of myoneural junction and muscle	19	24	43
	G80-G83	Cerebral palsy and other paralytic syndromes	359	358	717
	G90-G99	Others disorders of the nervous system	197	172	369
Total			2,109	2,760	4,869

ICD10	Codes	Description	M	F	T
Chapter 7	H00-H59	Diseases of the eye and adnexa	M	F	T
	H00-H06	Disorders of eyelid, lachrymal system and orbit	95	114	209
	H10-H13	Disorders of conjunctiva	53	46	99
	H15-H22	Disorders of sclera, cornea, iris, and ciliary body	44	63	107
	H25-H28	Disorders of lens	2,916	4,036	6,952
	H30-H36	Disorders of choroid and retina	161	149	310
	H40-H42	Glaucoma	68	73	141
	H43-H45	Disorders of vitreous body and globe	134	109	243
	H46-H48	Disorders of optic nerve and visual pathways	8	10	18
	H49-H52	Disorders of ocular muscles, binocular movement accommodation and refraction	77	75	152
	H53-H54	Visual disturbances and blindness	167	129	296
	H55-H59	Other disorders of eye and adnexa	74	95	169
Total			3,797	4,899	8,696
Chapter 8	H60-H95	Diseases of the ear and mastoid process	M	F	T
	H60-H62	Diseases of the external ear	131	112	243
	H65-H75	Diseases of the middle ear and mastoid	479	478	957
	H80-H83	Diseases of the inner ear	154	286	440
	H90-H95	Other disorders of ear	23	24	47
Total			787	900	1,687
Chapter 9	I00-I99	Diseases of the circulatory system	M	F	T
	I00-I02	Acute rheumatic fever	15	21	36
	I05-I09	Chronic rheumatic heart disease	92	143	235
	I10-I15	Hypertensive diseases	5,642	7,242	12,884
	I20-I25	Ischemic heart diseases	11,585	8,086	19,671
	I26-I28	Pulmonary heart disease and diseases of the pulmonary circulation	82	89	171
	I30-I52	Other forms of heart disease	4,353	4,855	9,208
	I60-I69	Cerebrovascular diseases	1,306	1,377	2,683
	I70-I79	Diseases of arteries, arterioles and capillaries	801	419	1,220
	I80-I89	Diseases of veins, lymphatic vessels and lymph nodes NEC	1,672	813	2,485
	I95-I99	Other and unspecified disorders of the circulatory system	234	293	527
Total			25,782	23,338	49,120
Chapter 10	J00-J99	Diseases of the respiratory system	M	F	T
	J00-J06	Acute upper respiratory infections	1,478	1,179	2,657
	J10-J18	Influenza and pneumonia	5,325	5,003	10,328
	J20-J22	Other acute lower respiratory infections	2,147	1,840	3,987
	J30-J39	Other diseases of upper respiratory tract	3,764	3,253	7,017
	J40-J47	Chronic lower respiratory diseases	2,959	2,931	5,890
	J60-J70	Lung diseases due to external agents	76	51	127
	J80-J84	Other resp. diseases principally affecting interstitium	720	926	1,646
	J85-J86	Suppurative and necrotic conditions of lower RT	24	21	45
	J90-J94	Other diseases of plura	429	389	818
	J95-J99	Other diseases of the respiratory system	380	445	825
Total			17,302	16,038	33,340

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	168	136	304
	K20-K31	Diseases of oesophagus, stomach and duodenum	1,321	1,939	3,260
	K35-K38	Diseases of appendix	860	614	1,474
	K40-K46	Hernia	3,639	1,330	4,969
	K50-K52	Noninfective enteritis and colitis	1,081	1,102	2,183
	K55-K63	Other diseases of intestines	1,624	1,374	2,998
	K65-K67	Diseases of peritoneum	142	150	292
	K70-K77	Diseases of liver	390	229	619
	K80-K87	Disorders of gallbladder, biliary tract and pancreas	1,804	3,556	5,360
	K90-K93	Other diseases of the digestive system	384	367	751
Total			11,413	10,797	22,210
Chapter 12	L00-L99	Diseases of the skin and subcutaneous tissue	M	F	T
	L00-L08	Infections of the skin and subcutaneous tissue	1,062	639	1,701
	L10-L14	Bullous disorders	4	8	12
	L20-L30	Dermatitis and eczema	16	22	38
	L40-L45	Papulosquamous disorders	9	9	18
	L50-L54	Urticaria and erythema	40	50	90
	L55-L59	Radiation-related disorders of the skin and subcutaneous tissue	2	1	3
	L60-L75	Disorders of skin appendages	39	34	73
	L80-L99	Other disorders of the skin and subcutaneous tissue	453	295	748
Total			1,625	1,058	2,683
Chapter 13	M00-M99	Diseases of the musculoskeletal system and connective tissue	M	F	T
	M00-M25	Arthropathies	1,417	2,014	3,431
	M0-M03	Infectious arthropathies	35	29	64
	M05-M14.8	Inflammatory polyarthropathies	261	522	783
	M15-M19.9	Arthrosis	370	708	1,078
	M20-M25.9	Other joint disorders	704	676	1,380
	M30-M36	Systemic connective tissue disorders	47	79	126
	M40-M54	Dorsopathies	1,137	1,617	2,754
	M40-M43.9	Deforming dorsopathies	47	100	147
	M45-M49.8	Spondylopathies	194	256	450
	M50-M54.9	Other dorsopathies	896	1,261	2,157
	M60-M79	Soft tissue disorders	633	914	1,547
	M60-M63.8	Disorders of muscles	46	43	89
	M65-M68.8	Disorders of synovium and tendon	214	415	629
	M70-M79.9	Other soft tissue disorders	373	456	829
	M80-M94	Osteopathies and chondropathies	513	457	970
	M80-M85.9	Disorders of bonedensity and structure	171	268	439
	M86-M90.8	Other osteopathies	286	161	447
	M91-M94.9	Chondropathies	23	13	36
	M95-M99	Other disorders of the musculoskeletal system and connective tissue	33	15	48
Total			3,700	5,002	8,702

ICD10	Codes	Description	M	F	T
Chapter 14	N00-N99	Diseases of the genitourinary system	M	F	T
	N00-N08	Glomerular diseases	261	165	426
	N10-N16	Renal tubulo-interstitial diseases	690	949	1,639
	N17-N19	Renal failure	2,099	1,880	3,979
	N20-N23	Urolithiasis	4,430	2,966	7,396
	N25-N29	Other disorders of kidney and ureter	82	93	175
	N30-N39	Other diseases of the urinary system	1,945	2,817	4,762
	N40-N51	Diseases of male genital organs	2,096	0	2,096
	N60-N64	Disorders of breast	40	321	361
	N70-N77	Inflammatory diseases of female pelvic organs	0	277	277
	N80-N98	Noninflammatory disorders of female genital tract	0	3,464	3,464
	N99	Other disorders of the genitourinary system	5	25	30
Total			11,648	12,957	24,605
Chapter 15	O00-O99	Pregnancy, childbirth and puerperium	M	F	T
	O00-O08	Pregnancy with abortive outcome	0	1,329	1,329
	O10-O16	Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium	0	94	94
	O20-O29	Other maternal disorders predominantly related to pregnancy	0	254	254
	O30-O48	Maternal care related to the fetus and amniotic cavity and possible delivery problems	0	1,494	1,494
	O60-O75	Complications of labor and delivery	0	406	406
	O80-O84	Delivery	0	18,350	18,350
	O85-O92	Complications predominantly related to the puerperium	0	45	45
	O95-O99	Other obstetric conditions NEC	0	76	76
Total			0	22,048	22,048
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	45	88	133
	P05-P08	Disorders related to length of gestation and fetal growth	283	212	495
	P10-P15	Birth trauma	5	4	9
	P20-P29	Respiratory and cardiovascular disorders specific to the perinatal period	1,287	732	2,019
	P35-P39	Infections specific to the perinatal period	311	206	517
	P50-P61	Haemorrhagic and haematological disorders of fetus and newborn	381	344	725
	P70-P74	Transitory endocrine and metabolic disorders specific to fetus and newborn	76	56	132
	P75-P78	Digestive system disorders of fetus and newborn	15	13	28
	P80-P83	Conditions involving the integument and temperature regulation of fetus and newborn	13	5	18
	P90-P96	Other disorders originating in the perinatal period	44	37	81
Total			2,460	1,697	4,157

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	20	31	51
	Q10-Q18	Congenital malformations of eye, ear, face and neck	9	16	25
	Q20-Q28	Congenital malformations of the circulatory system	228	168	396
	Q30-Q34	Congenital malformations of the respiratory system	8	13	21
	Q35-Q37	Cleft lip and cleft palate	36	25	61
	Q38-Q45	Other congenital malformations of the digestive system	91	46	137
	Q50-Q56	Congenital malformations of the genital organs	491	29	520
	Q60-Q64	Congenital malformations of the urinary system	87	60	147
	Q65-Q79	Congenital malformations and deformations of the musculoskeletal system	101	146	247
	Q80-Q89	Other congenital malformations	27	22	49
	Q90-Q99	Chromosomal abnormalities, NEC	17	17	34
Total			1,115	573	1,688
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	4,942	5,376	10,318
	R10-R19	Symptoms and signs involving the digestive system and abdomen	4,709	7,000	11,709
	R20-R23	Symptoms and signs involving the skin and subcutaneous tissue	173	158	331
	R25-R29	Symptoms and signs involving the nervous and musculoskeletal systems	27	33	60
	R30-R39	Symptoms and signs involving the urinary system	915	484	1,399
	R40-R46	Symptoms and signs involving cognition, perception, emotional state and behaviour	457	617	1,074
	R47-R49	Symptoms and signs involving speech and voice	27	28	55
	R50-R69	General symptoms and signs	4,238	4,364	8,602
	R70-R79	Abnormal findings on examination of blood, without diagnosis	109	136	245
	R80-R82	Abnormal findings on examination of urine, without diagnosis	7	12	19
	R83-R89	Abnormal findings on examination of other body fluids substances and tissues, without diagnosis	4	6	10
	R90-R94	Abnormal findings on diagnostic imaging and in function studies, without diagnosis	70	56	126
	R95-R99	Ill-defined and unknown causes of mortality	50	57	107
Total			15,728	18,327	34,055
Chapter 19	S00-T98	Injury, poisoning and certain other consequences of external causes	M	F	T
	S00-S09	Injuries to the head	1,043	46	1,089
	S10-S19	Injuries to the neck	47	538	585
	S20-S29	Injuries to the thorax	173	103	276
	S30-S39	Injuries to the abdomen, lower back, lumbar spine and pelvis	258	187	445
	S40-S49	Injuries to the shoulder and upper arm	634	538	1,172
	S50-S59	Injuries to the elbow and forearm	877	546	1,423
	S60-S69	Injuries to the wrist and hand	1,064	504	1,568
	S70-S79	Injuries to the hip and thigh	982	1,188	2,170
	S80-S89	Injuries to the knee and lower leg	1,180	627	1,807
	S90-S99	Injuries to the ankle and foot	357	193	550
	T00-T07	Injuries involving multiple body regions	1,141	624	1,765
	T08-T14	Injuries to unspecified part of trunk, limb or body region	257	133	390
	T15-T19	Effects of foreign body entering through natural orifice	45	48	93
	T20-T32	Burns and corrosions	68	32	100
	T33-T35	Frostbite	2	1	3
	T36-T50	Poisoning by drugs, medicaments and biological substances	51	84	135
	T51-T65	Toxic effects of substances chiefly nonmedicinal as to source	84	84	168
	T66-T78	Other and unspecified effects of external causes	62	62	124
	T79	Certain early complications of trauma	42	27	69
	T80-T88	Complications of surgical and medical care NEC	327	337	664
	T90-T98	Sequelae of injuries, of poisoning and of other consequences of external causes	34	17	51
Total			8,728	5,919	14,647

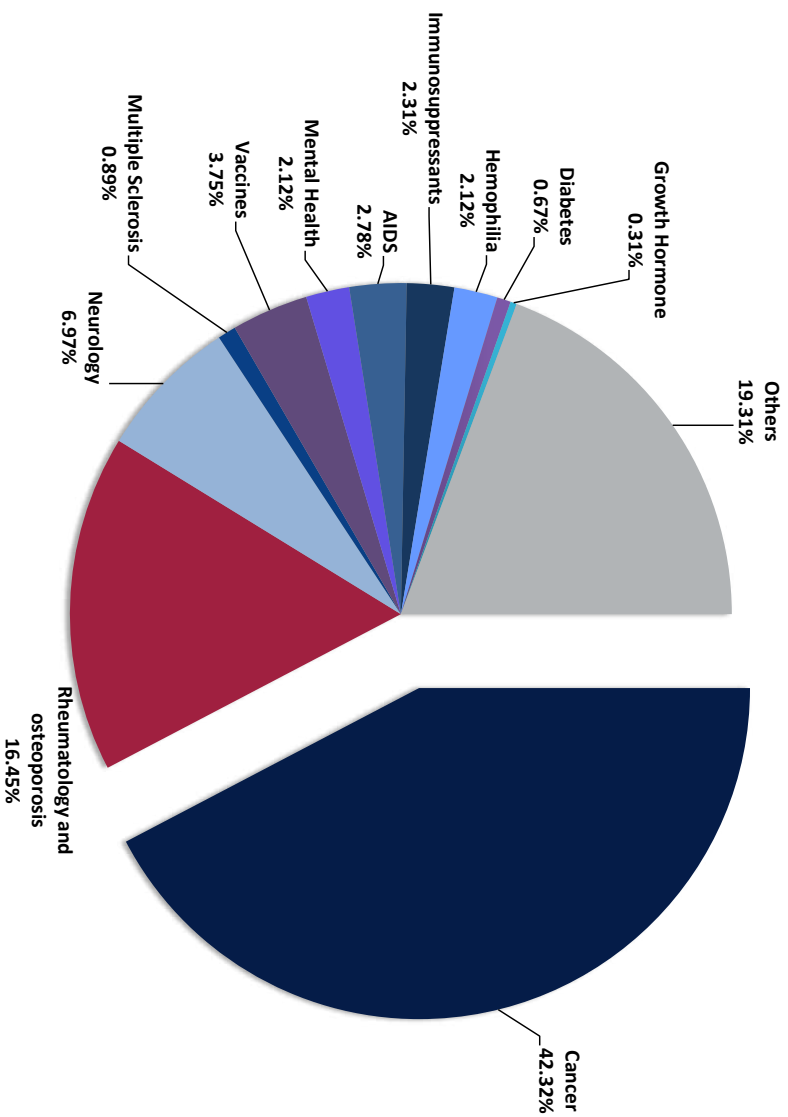
ICD10	Codes	Description	M	F	T
Chapter 20	V01-Y98	External causes of morbidity and mortality	M	F	T
Total			951	725	1,676
Chapter 21	Z00-Z99	Factors influencing health status and contact with health services	M	F	T
	Z00-Z13	Persons encountering health services for examination and investigation	717	805	1,522
	Z20-Z29	Persons with potential health hazards related to communicable diseases	55	35	90
	Z30-Z39	Persons encountering health services in circumstances related to reproduction	204	5,218	5,422
	Z40-Z54	Persons encountering health services for specific procedures and health care	6,708	8,602	15,310
	Z55-Z65	Persons with potential health hazards related to socioeconomic and psychosocial circumstances	4	2	6
	Z70-Z76	Persons encountering health services in other circumstances	756	561	1,317
	Z80-Z99	Persons with potential health hazards related to family and personal history and certain conditions influencing health status	2,057	1,969	4,026
Total			10,501	17,192	27,693

Total Number of Hospitalized Diagnoses	144349	178,399	322,748
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**Based on discharge data (On 15-5-2018)*

Source: Hospital Billing database, IT department, MOPH.

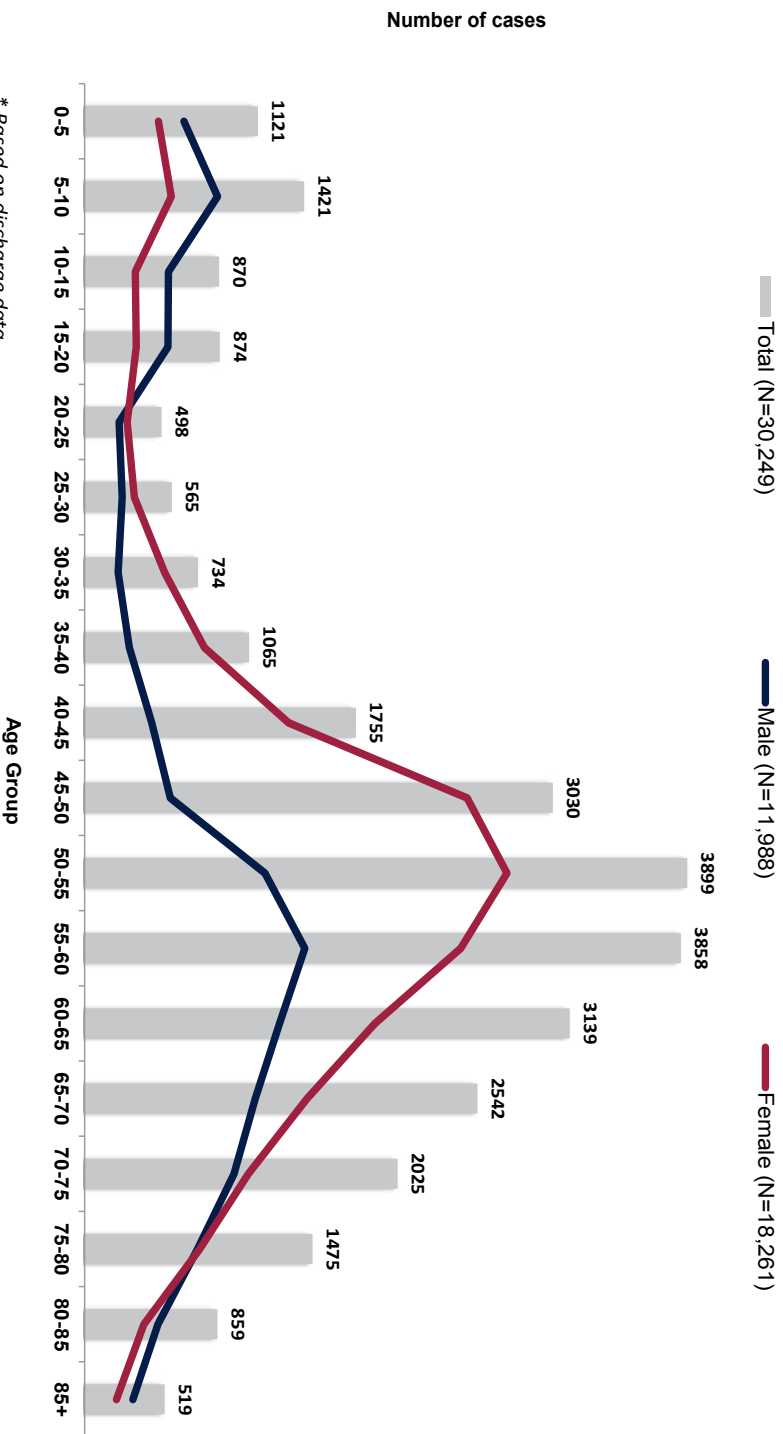
Graph C-8: Percent expenditure on drugs by the MOPH by major disease categories, 2017



Source: Report based on Drug Dispensary Center (DDC) and pharmaceutical spending data, 2017

D- Epidemiology

Graph D.1: MOPH subsidized hospitalized* neoplasms cases by gender and age group, 2017**

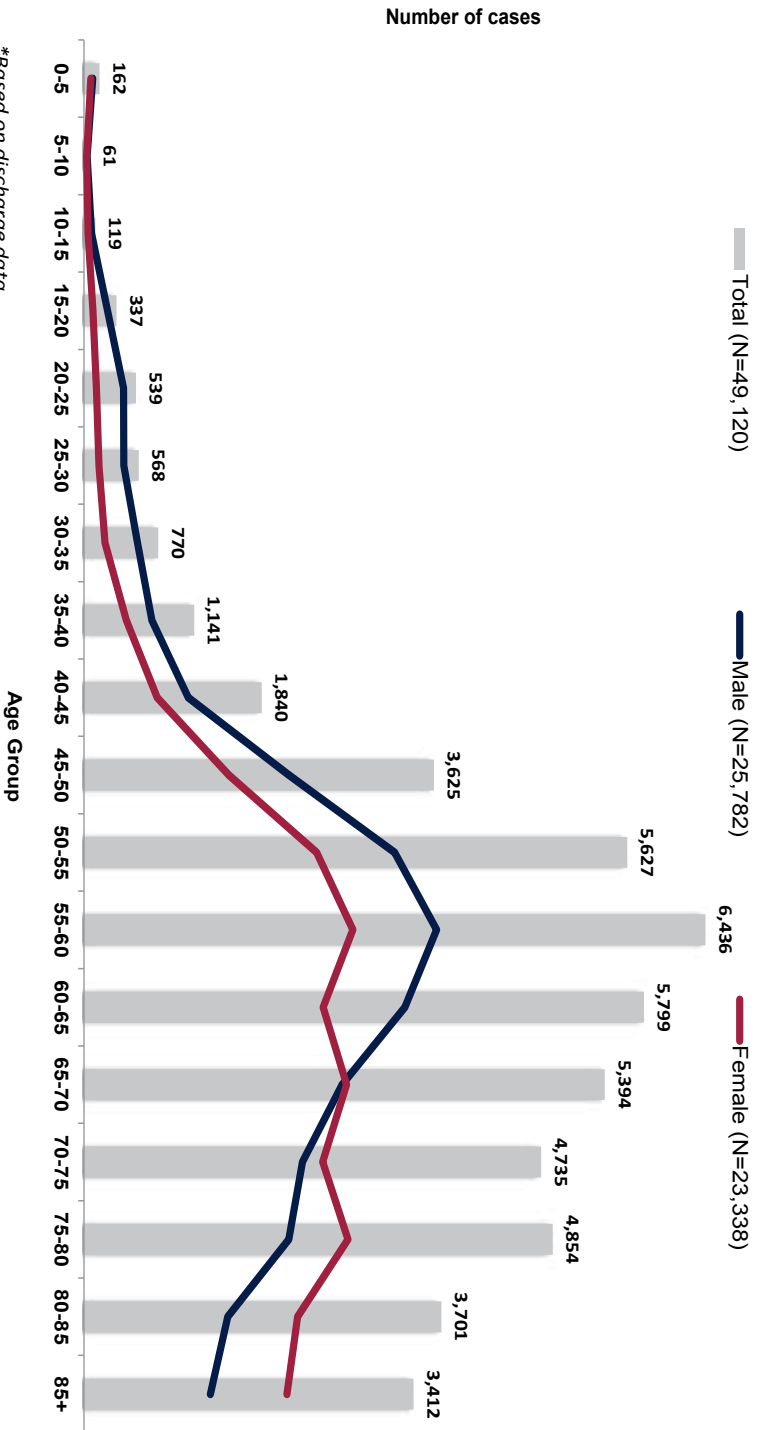


* Based on discharge data

** ICD 10 - Codes: COO-D48

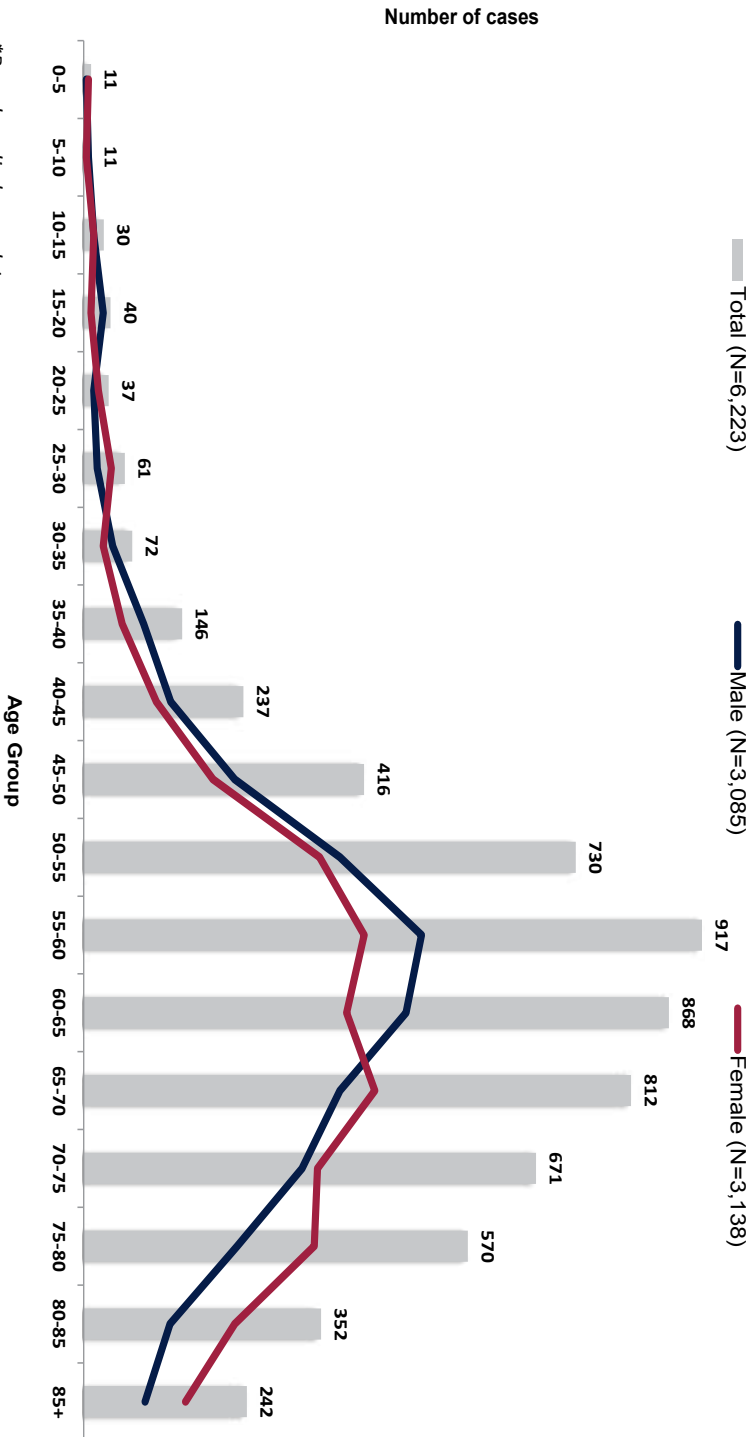
Source: Hospital billing database, IT department, MOPH.

Graph D-2: MOPH subsidized hospitalized* cardiovascular cases by gender and age group, 2017**



*Based on discharge data
 **ICD10 codes: 100-199
 Source: Hospital billing database, IT department, MOPH.

Graph D.3: MOPH subsidized hospitalized* diabetes mellitus cases by gender and age group, 2017**

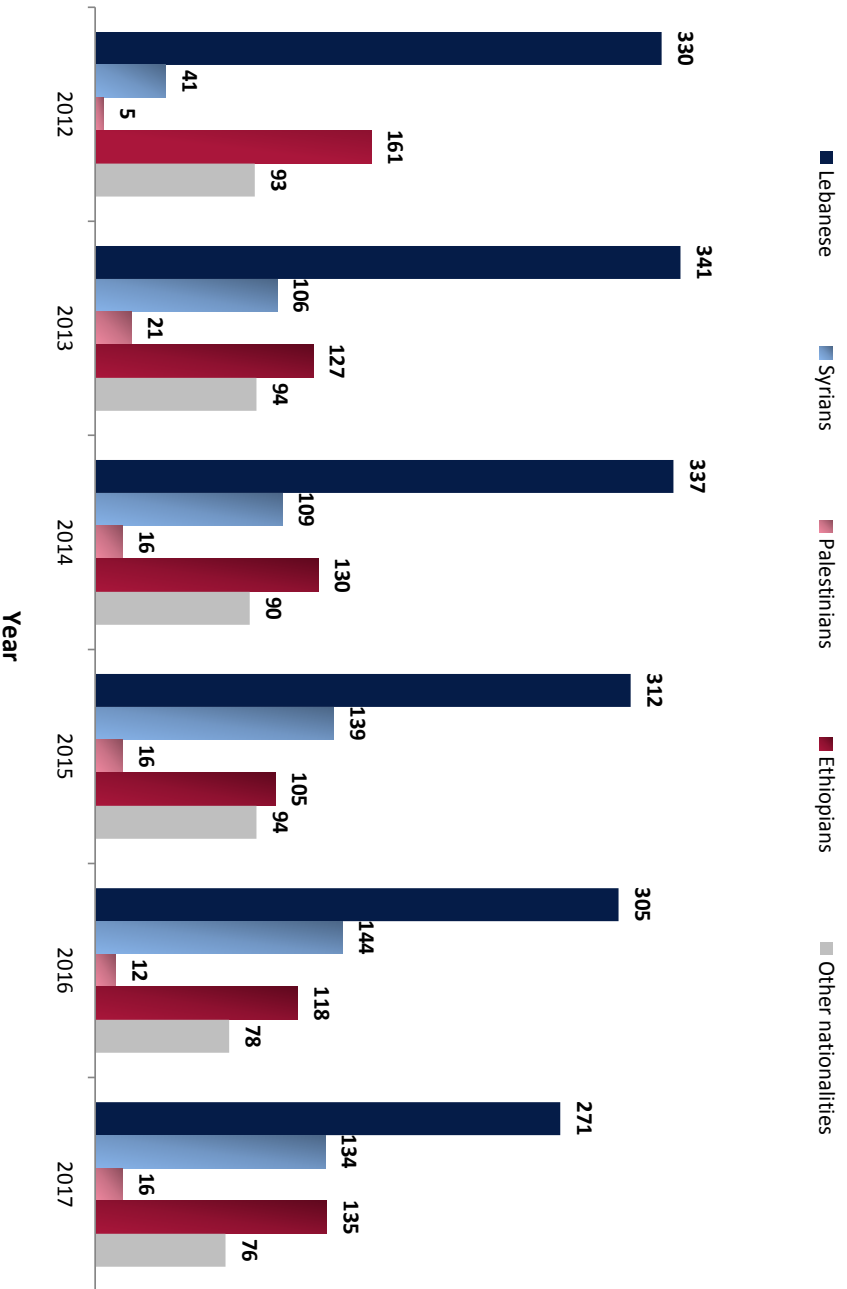


*Based on discharge data

**ICD10 codes: E10-E14

Source: Hospital billing database, IT department, MOPH.

Graph D-4: The trend in tuberculosis cases by nationality between 2012 and 2017



Source: The National Tuberculosis Program, MOPH.

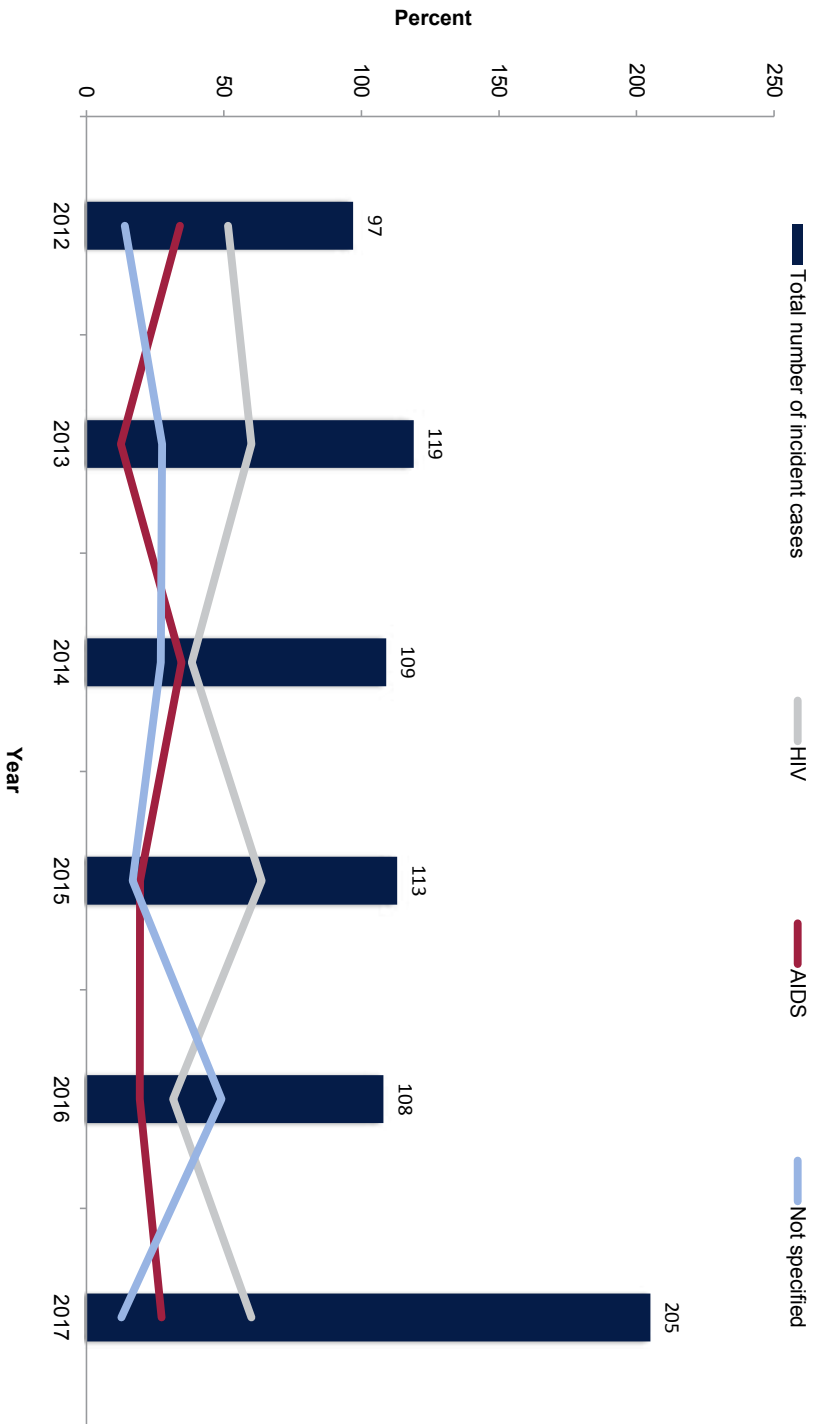
Table D.1: HIV/AIDS estimated incidence in Lebanon, 2017

Number of incident cases in 2017 is 205	
The estimated incidence rate is 4.25 per 100,000*	
N (%)	
Stages of the Disease	
HIV	123(60%)
AIDS	56(27.3%)
Not specified	26(12.7%)
Gender	
Males	193(94.1%)
Females	12(5.9%)
Age Group	
0-14	0 (0)
15-29	76(37.1%)
30-49	96(46.8%)
>50	21(10.2%)
Unspecified	12(5.9%)
Mode of Transmission	
Sexual	205(100%)
Transfusion	0 (0)
IDU	0 (0)
Perinatal	0 (0)
Not specified	0(0%)
Sexual Behavior	
Homosexual	111(54.1%)
Bisexual	1(0.5%)
Heterosexual	73(35.6%)
Not specified	20(9.8%)
Travel History	
yes	19(17.6%)
no	89(82.4%)
ART	
New in 2017	Cumulative
186	1304

*Calculated only for the lebanese population using an estimated population for 2017 of 4,420,713 as denominator.

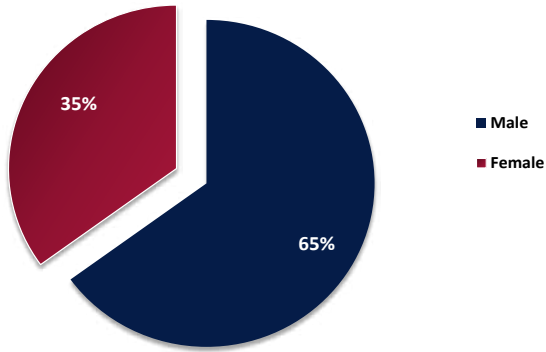
Source: National AIDS Program (NAP), MOPH

Graph D-5: The trend in incident cases of HIV/AIDS between 2012 and 2017

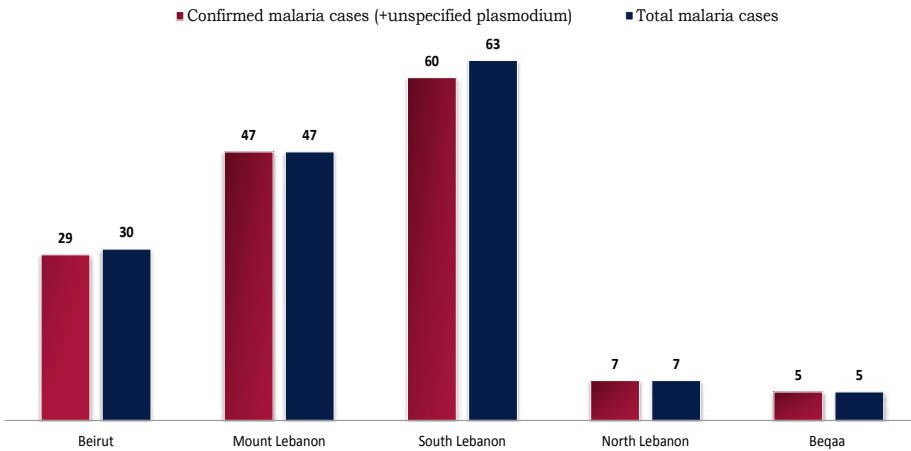


Source: National AIDS Program (NAP), MOPH.

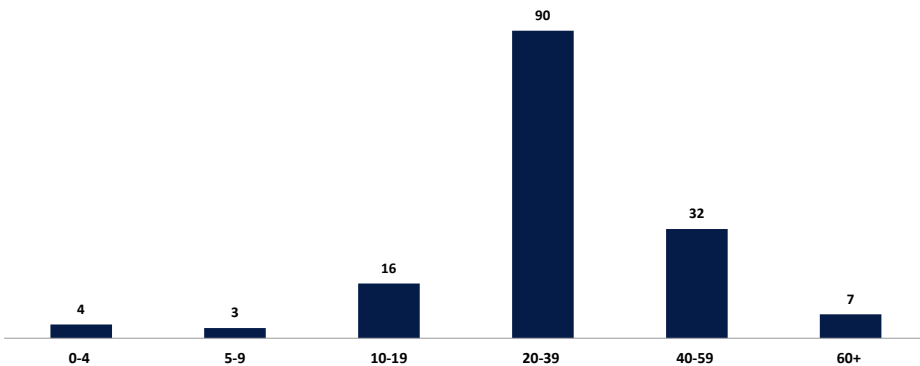
Graph D.6: Reported cases of malaria by gender, 2017



Graph D.7: Confirmed malaria cases by Mohafaza, 2017

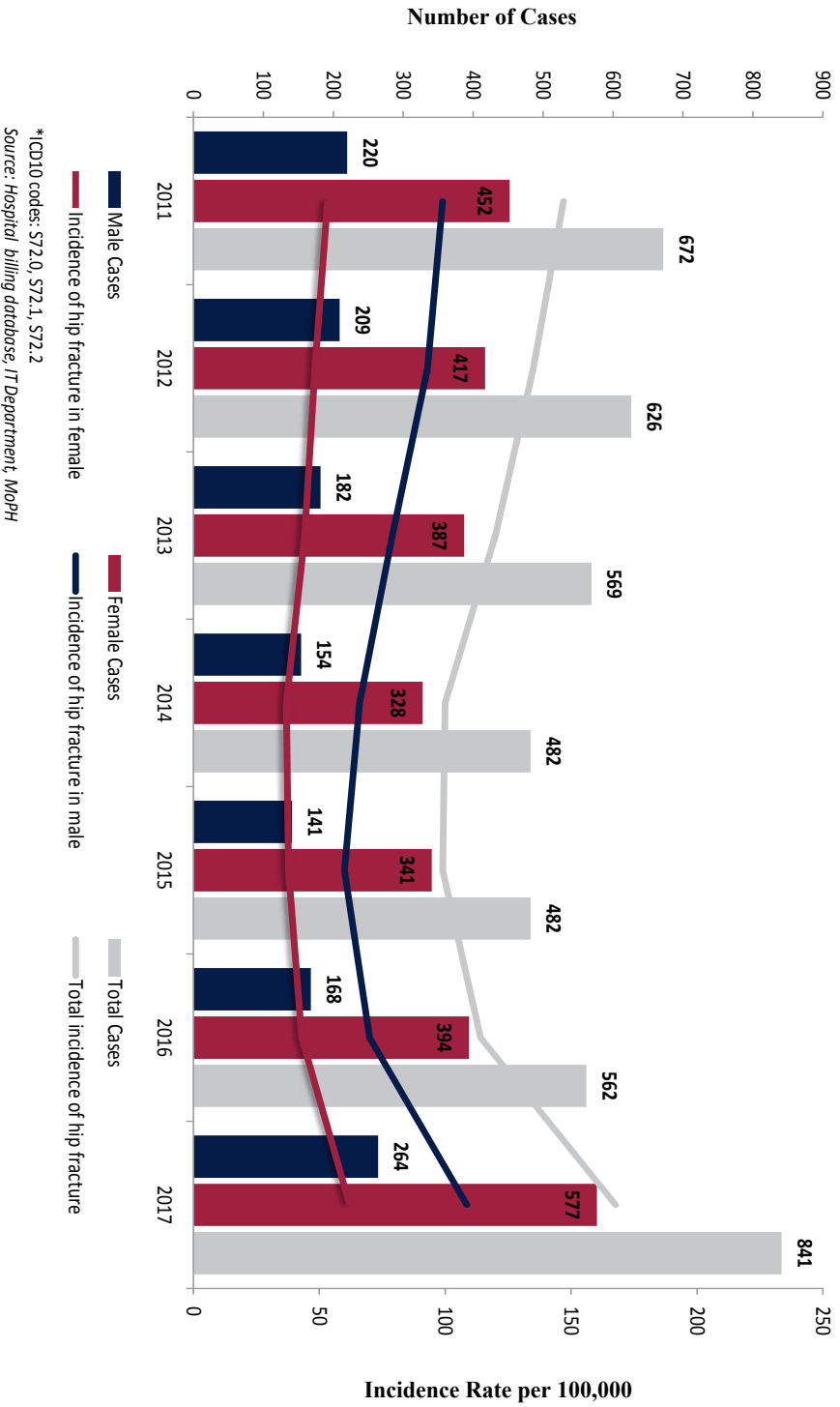


Graph D.8: Reported cases of malaria by age group, 2017



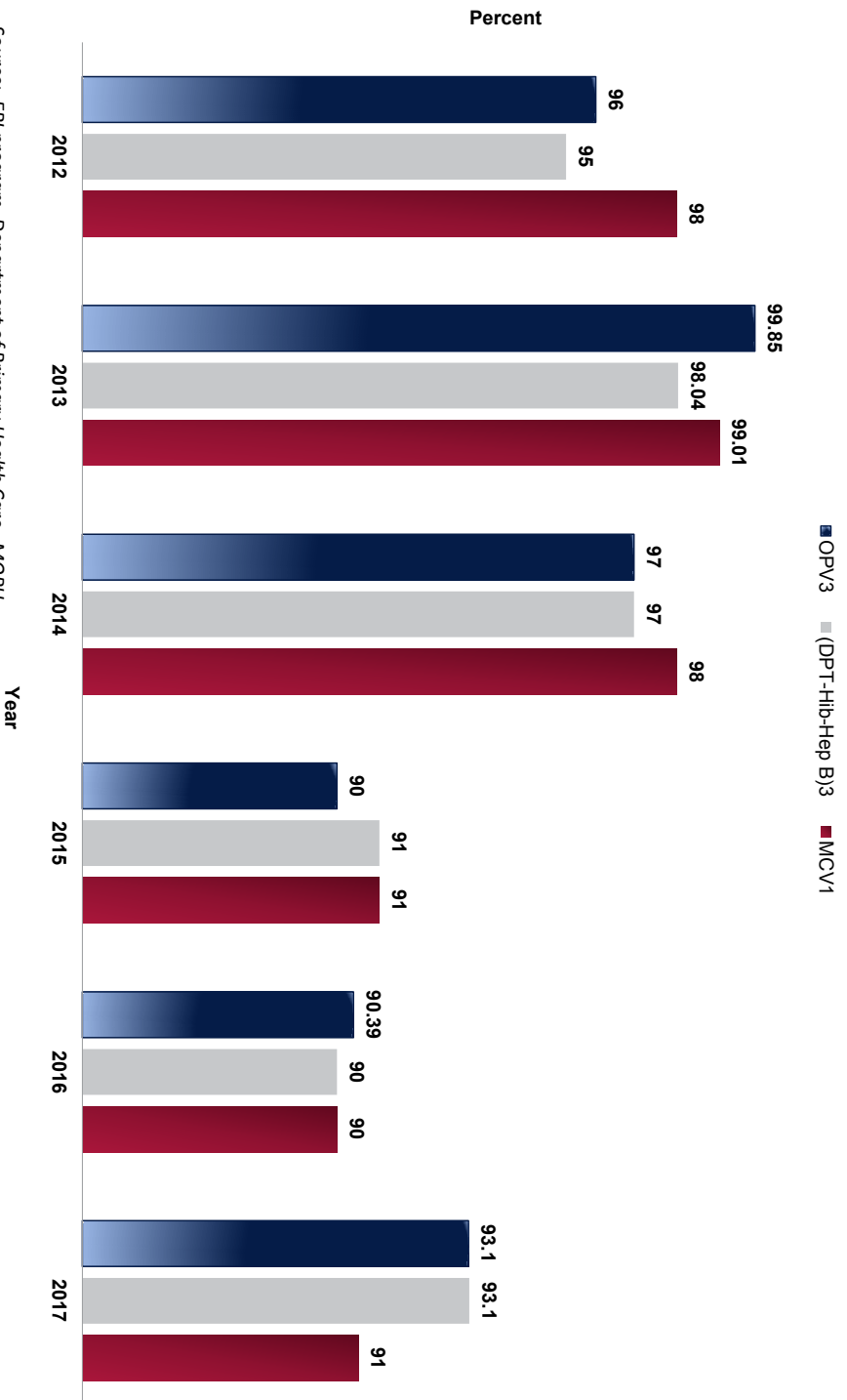
Source: Malaria Eradicated Bureau, MOPH.

Graph D.9: Hip fracture cases* and incidence rate among MOPH eligible population by gender, 2011-2017



E- Vaccination and Campaigns

Graph E.1: National immunization coverage rates by polio, measles and pentavalent vaccines, 2012-2017



Source: EPI program, Department of Primary Health Care, MOPH.

F- Diseases' Surveillance Data

Graph F.1: Cases of notifiable diseases reported to the MOPH epidemiological surveillance unit by month, 2017

	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Vaccine Preventable Diseases													
Acute Flaccid Paralysis	77	9	14	8	5	9	3	9	1	6	4	4	5
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	126	6	8	29	10	17	11	8	4	2	6	8	17
Mumps	235	10	12	63	26	43	21	5	11	7	11	15	11
Pertussis	92	4	12	10	8	7	10	12	10	4	8	2	5
Rabies	1	0	0	0	0	0	0	0	0	1	0	0	0
Rubella	10	0	1	0	0	4	1	2	1	1	0	0	0
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0
Tetanus neonatal	1	0	0	0	0	0	0	0	0	0	1	0	0
Viral Hepatitis B	321	24	45	32	33	28	22	19	26	9	41	25	17
Food & Water Borne Diseases													
Brucellosis	460	23	32	32	66	58	39	67	47	36	30	16	14
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0
Dysentery	384	13	20	13	13	24	21	51	87	58	38	29	17
Food Poisoning	490	11	1	43	17	44	73	59	169	25	20	8	20
Hydatid Cyst	18	2	0	1	3	2	1	4	0	1	1	1	2
Parasitic Worms	4	0	0	0	0	0	0	0	0	0	1	2	1
Trichinosis	0	0	0	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	656	40	28	57	46	54	54	69	94	76	60	51	27
Viral Hepatitis A	776	61	44	32	35	69	44	46	81	80	108	107	69
Other Diseases													
Bilharziasis	0	0	0	0	0	0	0	0	0	0	0	0	0
Creutzfeld Jakob Disease	3	0	1	0	0	0	1	0	0	1	0	0	0
Ebola	0	0	0	0	0	0	0	0	0	0	0	0	0
Gonorrhoea	0	0	0	0	0	0	0	0	0	0	0	0	0
Leishmaniasis	140	15	15	44	22	8	6	13	5	3	9	0	0
Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis	366	18	21	29	22	45	33	43	33	32	36	20	34
Plague	0	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis	34	4	5	3	2	2	0	3	1	3	5	5	1
Typhus	3	0	0	1	0	0	1	0	0	0	1	0	0
Viral Hepatitis C	130	10	13	7	12	9	8	11	13	8	20	10	9
Yellow Fever	0	0	0	0	0	0	0	0	0	0	0	0	0

Source: Epidemiological Surveillance Unit, MOPH.

Graph F.2: Cases of notifiable diseases reported to the MOPH epidemiological surveillance unit by age groups and gender, 2017

	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	77	43	26	8	0	0	0	0	42	35	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	126	59	22	9	31	1	0	4	57	69	0
Mumps	235	64	62	79	16	3	0	11	116	119	0
Pertussis	92	65	4	2	2	1	0	18	57	35	0
Rabies	1	0	1	0	0	0	0	0	1	0	0
Rubella	10	5	1	1	3	0	0	0	2	8	0
Tetanus	0	0	0	0	0	0	0	0	0	0	0
Tetanus neonatal	1	1	0	0	0	0	0	0	1	0	0
Viral Hepatitis B	321	1	0	2	164	76	29	49	207	113	1
Food & Water Borne Diseases											
Brucellosis	460	11	15	46	90	61	33	204	223	237	0
Cholera	0	0	0	0	0	0	0	0	0	0	0
Dysentery	384	109	54	45	39	54	67	16	197	187	0
Food Poisoning	490	38	55	75	104	53	16	149	216	269	5
Hydatid Cyst	18	0	1	1	10	4	2	0	7	11	0
Parasitic Worms	4	0	0	0	1	1	0	2	3	1	0
Trichinosis	0	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	656	228	59	71	125	73	84	16	331	325	0
Viral Hepatitis A	776	136	153	207	230	28	5	17	450	326	0
Other Diseases											
Bilharziasis	0	0	0	0	0	0	0	0	0	0	0
Creutzfeldt Jakob Disease	3	0	0	0	0	1	2	0	0	3	0
Ebola	0	0	0	0	0	0	0	0	0	0	0
Gonorrhoea	0	0	0	0	0	0	0	0	0	0	0
Leishmaniasis	140	32	35	21	40	8	3	1	72	68	0
Leprosy	0	0	0	0	0	0	0	0	0	0	0
Meningitis	366	163	39	44	55	35	25	5	223	143	2
Plague	0	0	0	0	0	0	0	0	0	0	0
Syphilis	34	0	0	1	24	3	1	5	20	14	0
Typhus	3	0	1	0	2	0	0	0	1	2	0
Viral Hepatitis C	130	0	0	1	46	30	17	36	108	21	1
Yellow Fever	0	0	0	0	0	0	0	0	0	0	0

Source: Epidemiological Surveillance Unit, MOPH.

Graph F.3: Cases of notifiable diseases reported to the MOPH epidemiological surveillance unit by Mohafaza, 2017

	Total	North	Beqaa	Nabatiyeh	South	Mount-Lebanon	Beirut	Unknown
Vaccine Preventable Diseases								
Acute Flaccid Paralysis	77	11	20	10	11	17	8	0
Acute Poliomyelitis	0	0	0	0	0	0	0	0
Diphtheria	0	0	0	0	0	0	0	0
Measles	126	19	18	1	12	52	22	2
Mumps	235	2	33	6	118	40	16	20
Pertussis	92	14	29	6	1	29	7	6
Rabies	1	1	0	0	0	0	0	0
Rubella	10	2	2	0	0	6	0	0
Tetanus	0	0	0	0	0	0	0	0
Tetanus neonatal	1	0	0	0	0	1	0	0
Viral Hepatitis B	321	8	12	19	55	106	21	100
Food & Water Borne Diseases								
Brucellosis	460	14	318	36	27	28	10	27
Cholera	0	0	0	0	0	0	0	0
Dysentery	384	52	44	7	42	197	4	38
Food Poisoning	490	41	245	32	32	122	11	7
Hydatid Cyst	18	2	9	1	4	1	1	0
Parasitic Worms	4	0	1	0	0	3	0	0
Trichinosis	0	0	0	0	0	0	0	0
Typhoid Fever	656	71	80	54	50	231	107	63
Viral Hepatitis A	776	41	463	51	41	101	27	52
Other Diseases								
Bilharziasis	0	0	0	0	0	0	0	0
Creutzfeld Jakob Disease	3	0	0	0	0	0	2	1
Ebola	0	0	0	0	0	0	0	0
Gonorrhea	0	0	0	0	0	0	0	0
Leishmaniasis	140	4	126	1	1	6	1	1
Leprosy	0	0	0	0	0	0	0	0
Meningitis	366	63	62	29	31	132	43	6
Plague	0	0	0	0	0	0	0	0
Syphilis	34	0	1	0	12	10	2	9
Typhus	3	0	0	0	1	2	0	0
Viral Hepatitis C	130	8	10	4	14	30	14	50
Yellow Fever	0	0	0	0	0	0	0	0

Source: Epidemiological Surveillance Unit, MOPH. (on 16-6-2017)

G- Vital Data Observatory "VDO"
(Previously known as Maternal
Neonatal Mortality Notification system
"MNMNS")

Table G.1: Vital Data Observatory (VDO) statistics by Qada and nationality, 2017

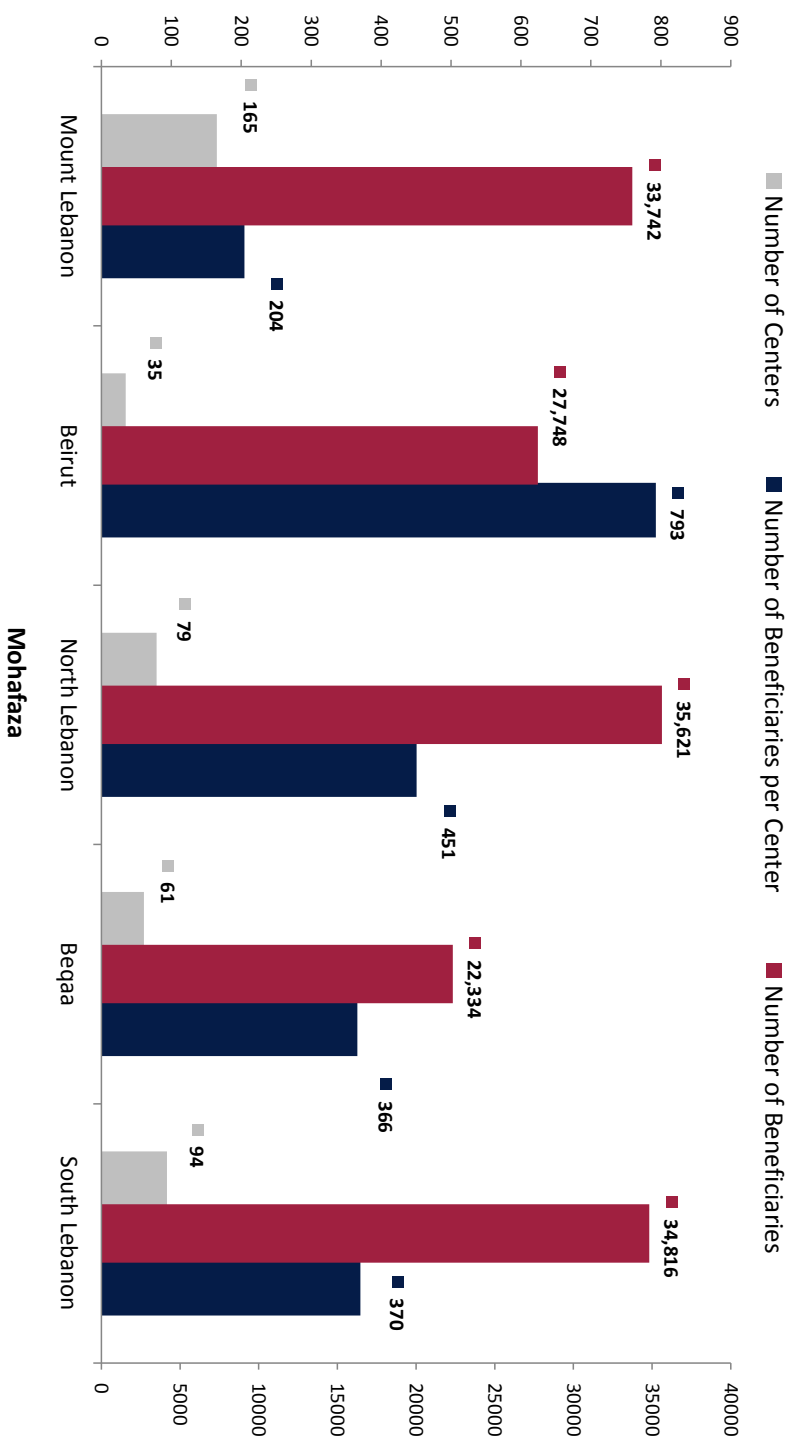
Qada	Deliveries		Vaginal Deliveries		Caesarian Sections		Newborns		Live Births		Live Births less than 2.5 kg		Birth Defects		Stillbirths		IUFD		Neonatal Deaths		Early Neonatal Deaths		Maternal Deaths	
	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL	L	NL
Akkar	5,517	2,923	3,632	2,099	1,885	834	5,602	2,937	5,523	2,884	318	371	56	42	6	1	73	42	12	21	11	13	1	0
Minbiel-Danniyeh	1,082	2,523	805	2,035	277	488	1,098	2,515	1,084	2,506	44	73	3	3	2	2	12	7	1	5	1	5	0	1
Tripoli	8,582	5,882	4,648	3,971	3,934	1,911	8,621	6,027	8,545	5,993	602	564	59	17	14	13	62	21	13	7	11	7	0	2
Zgharta	1,898	232	651	68	1,247	164	1,976	213	1,956	209	233	29	12	2	5	0	15	4	10	1	8	1	0	0
Koura	1,917	496	933	235	984	261	2,007	484	1,985	477	190	54	10	1	3	2	19	5	11	1	9	1	0	0
Bcharrei	29	41	14	28	15	13	28	42	27	42	0	0	0	0	0	0	1	0	1	0	1	0	0	0
Batroun	138	69	54	40	82	29	139	70	136	68	7	8	0	1	1	2	2	0	1	1	1	1	0	0
Hennel	957	753	144	373	813	380	964	789	985	759	43	46	3	0	6	9	3	1	1	0	1	0	0	0
Baalbek	3,278	2,024	784	1,522	2,484	772	3,359	2,035	3,323	2,018	410	229	13	9	6	4	30	13	38	23	31	19	0	2
Zahleh	5,519	8,775	1,673	5,865	3,846	2,810	5,588	8,923	5,492	8,789	485	761	18	55	10	16	56	138	8	31	8	24	1	1
Rachaiya	344	306	151	246	183	60	347	309	344	303	4	3	2	0	3	6	0	0	0	0	0	0	0	0
West Beqaa	380	3,926	119	2,355	261	1,571	375	3,988	363	3,912	26	347	1	4	3	0	9	76	0	0	0	0	0	1
Nabatiyeh	3,539	1,337	1,217	785	2,322	552	3,622	1,336	3,596	1,330	347	105	24	14	6	0	20	6	21	8	12	7	0	0
Hasbaniya	132	128	45	86	87	42	134	128	133	128	5	6	0	0	0	0	1	0	0	1	0	1	0	0
Margayoun	658	430	229	302	429	128	656	440	640	439	27	16	0	1	3	1	13	0	0	1	0	1	0	0
Bent Jbayl	748	493	412	386	336	97	751	497	742	480	77	15	7	5	5	11	4	6	2	0	2	0	0	0
Sakka	4,778	7,330	1,950	4,206	2,828	3,124	4,812	7,571	4,749	7,456	485	991	15	65	13	29	50	86	48	135	38	115	2	1
Souf	3,062	2,550	1,284	1,522	1,778	1,048	3,226	2,487	3,208	2,457	291	226	22	4	3	8	15	22	16	14	13	13	0	2
Jezzine	0	3	0	2	0	1	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jbayl	1,369	136	558	104	811	32	1,443	123	1,425	117	191	22	20	0	4	1	14	5	4	1	3	1	0	0
Keserwan	1,202	1,567	496	943	706	624	1,238	1,568	1,231	1,540	148	245	14	6	2	5	5	23	4	5	3	3	0	0
Main	4,553	1,785	1,624	1,022	2,929	763	4,775	1,746	4,734	1,733	581	119	21	1	9	5	32	8	11	4	10	4	0	0
Baandaa	9,343	4,677	3,957	2,679	5,386	1,798	9,691	4,653	9,589	4,534	851	417	107	91	16	14	86	105	59	58	39	49	2	5
Ashiy	253	1,920	124	1,448	129	472	280	1,931	280	1,924	12	60	0	0	0	2	0	5	0	0	0	0	0	0
Chouf	1,188	4,590	535	2,990	653	1,600	1,222	4,617	1,195	4,551	107	593	5	15	3	15	24	51	7	56	7	48	0	0
Beirut	7,786	713	3,498	406	4,288	307	8,196	630	8,095	625	979	70	71	3	31	1	70	4	28	1	20	1	0	0
Total	68,250	55,609	29,537	35,728	38,713	19,881	70,100	56,042	69,530	55,267	6,443	5,370	483	339	154	147	616	628	297	373	230	313	6	15

L=Lebanese, NL=Non-Lebanese

Source: Vital Data Observatory (VDO), MOPH

H- Medication for Chronic Illnesses
Program: the YMCA Records

Graph H.1: Socio-medical centers and beneficiaries per center by Mohafaza, latest figures, 2016



Source: Chronic drugs program, MOPH, YMCA

I- National Health Accounts

Table I.1: National health accounts of Lebanon, 2015-Summary table

	FINANCING INTERMEDIARIES				EXPENDITURES	
	FUNDING SOURCES		EMPLOYER		EXTRA BUDGETARY	
	Households Fees for Services (out of pocket)	Contributions/ Premiums	Contributions/ Premiums	Treasury	Donations/ Loans	
Ministry of Public Health						
National Social Security Fund		173,369,763	606,794,171	671,622,282		671,622,282
Civil Servants Cooperative		31,729,960		260,054,645		1,040,218,580
Army				173,641,952		205,371,912
Internal Security Forces				331,593,882		331,593,882
State Security Forces				140,814,982		140,814,982
Customs				9,098,249		9,098,249
General Security Forces				9,490,162		9,490,162
Mutual Funds Public		40,600,000		31,692,400		31,692,400
Mutual Funds Private		178,088,855		61,000,000		101,600,000
Private Insurances		476,495,623	379,740,897			178,088,855
International Organizations					180,900,000	856,236,520
Households	1,825,122,001					180,900,000
TOTAL	1,825,122,001	900,284,202	986,535,068	1,689,008,554	180,900,000	5,581,849,825
% Total Health Expenditure	32.70	16.13	17.67	30.26	3.24	100
GDP (2015, CAS)	75,336,000,000					
THE%GDP 2015	7.41					
Public	30.26					
Private	66.50					
Households(OOP and contributions)	48.83					
OOP	32.70					
Contributions	16.13					
Employers (contributions)	17.67					
Donors					3.24	

* USD exchange rate= 1507.5 LBP

Source: National Health Accounts 2015 (based on the new System of Health Accounts SHA2011), MOPH.

Table I.2: National health accounts of Lebanon, 2015-Financing agents to providers

Amounts in \$000.L	Government of Lebanon							Other Public			Private Sector		Donors	Total
	MOH	CSC	Army	ISF	GSF	Customs	SSF	MSRF	Mutual Public	Medical Private	Private Insurance	HI		
HP 1 Hospitals														
HP 1.1 General hospitals	412,968,162	95,420,840	227,063,748	96,992,832	15,339,148	4,732,900	4,238,935	579,266,657	47,244,000	100,892,660	422,954,446	418,866,499	2,454,110,938	
HP 1.2 Mental health hospitals	411,410,514	95,420,840	228,398,409	96,992,832	15,339,148	4,732,900	4,238,935	579,266,657	47,244,000	100,892,660	422,954,446	418,866,499	2,348,039,873	
HP 1.3 Specialized hospitals (other than mental health hospitals)	998,119	-	732,904	-	54,554	-	-	-	-	-	-	-	1,933,397	
HP 2 Residential long-term care facilities	998,503	-	732,424	-	54,554	-	-	-	-	-	-	-	829,174	
HP 2.1 Long-term nursing care facilities	19,708,526	-	1,069,754	-	-	-	-	-	-	-	-	-	20,768,279	
HP 2.2 Mental health and substance abuse facilities	17,638,431	-	-	-	-	-	-	-	-	-	-	-	17,638,431	
HP 2.9 Other residential long-term care facilities	4,917,726	-	-	-	-	-	-	-	-	-	-	-	4,917,726	
HP 3 Providers of ambulatory health care	2,527,232	23,597,734	3,862,705	3,232,242	1,323,897	513,897	318,494	64,074,420	12,700,000	65,162	2,284,078	28,161,326	397,790,326	
HP 3.1 Medical practices	14,697,756	14,697,756	-	1,871,300	620,810	298,968	133,630	64,032,684	7,620,000	65,162	2,284,078	162,345,224	245,206,162	
HP 3.2 Dental practice	10,597,718	-	397,281	1,480,882	596,422	224,099	164,864	5,980,000	-	-	-	126,897,101	147,347,907	
HP 3.3 Other health care practitioners	2,227,282	-	2,895,424	-	-	-	109,055	41,738	-	-	-	-	147,791	
HP 3.4 Ambulatory health care centers	-	-	-	-	-	-	-	-	-	-	-	-	5,192,678	
HP 3.5 Providers of home health care services	-	-	-	-	-	-	-	-	-	-	-	-	-	
HP 4 Providers of ancillary services	8,101,200	14,467,726	4,193,789	1,210,888	4,720,903	472,866	723,466	64,798,178	7,112,000	16,298,292	97,101,932	-	176,508,699	
HP 4.1 Providers of patient transportation and emergency rescue	4,467,419	-	-	-	-	-	-	-	-	-	-	-	4,467,419	
HP 4.2 Medical and diagnostic laboratories	3,633,791	14,467,726	4,193,789	1,210,888	1,201,203	472,866	732,566	64,798,178	7,112,000	16,298,292	97,101,932	-	172,641,180	
HP 4.9 Other providers of ancillary services	-	-	-	-	-	-	-	-	-	-	-	-	-	
HP 5 Retailers and other providers of medical goods	142,198,414	62,118,838	53,669,000	38,435,419	10,962,277	3,722,299	2,981,661	281,314,661	30,440,000	10,916,616	30,298,308	982,463,173	1,637,299,056	
HP 5.1 Pharmaceuticals	141,241,794	62,118,838	53,549,000	38,590,224	10,644,425	3,705,175	2,973,782	281,314,661	30,440,000	10,916,616	30,298,308	927,799,613	1,579,644,096	
HP 5.11 Chemotherapy drugs	59,318,238	-	-	-	-	-	-	-	-	-	-	-	59,318,238	
HP 5.12 All Other Medications	82,923,556	-	-	-	-	-	-	-	-	-	-	-	82,923,556	
HP 5.2 Retail sellers and other suppliers of durable medical goods and medical devices	393,620	-	-	2,464,895	317,732	17,124	73,919	-	-	-	-	-	57,234,970	
HP 5.9 All other miscellaneous sellers and other suppliers of pharmaceuticals and medical goods	-	-	-	-	-	-	-	-	-	-	-	-	-	
HP 6 Providers of preventive care	6,147,346	-	-	-	-	-	-	-	-	-	-	-	6,147,346	
HP 7 Providers of health care system administration and financing	63,312,698	7,487,704	30,000,000	1,944,191	2,347,268	-	827,984	79,789,764	4,064,000	15,128,935	28,617,000	-	176,508,699	
HP 7.1 Government health administration agencies	53,312,698	-	-	1,944,191	2,347,268	-	827,984	70,789,764	4,064,000	-	-	-	129,291,320	
HP 7.2 Social health insurance agencies	-	7,397,404	-	-	-	-	-	-	-	-	-	-	11,651,404	
HP 7.3 Private health insurance administration agencies	-	-	-	-	-	-	-	-	-	15,128,935	28,617,000	-	300,242,835	
HP 7.9 Other administration agencies	-	-	-	-	-	-	-	-	-	-	-	-	-	
HP 8 Rest of economy	-	-	1,487,286	-	-	-	-	-	-	14,693,790	99,830,737	-	66,922,323	
HP 8.1 Households as providers of home health care	-	-	-	-	-	-	-	-	-	-	-	-	-	
HP 8.2 All other industries as secondary providers of health care	-	-	1,587,286	-	-	-	-	-	-	14,693,790	99,830,737	-	66,922,323	
HP 8.9 Other industries n.e.c.	-	-	-	-	-	-	-	-	-	-	-	-	-	
HP 9 Rest of the world	4,113,916	-	1,300,000	-	-	-	-	-	-	-	-	-	1,200,000	
HP 9a Unspecified health care providers	4,113,916	-	1,300,000	-	-	-	-	-	-	-	-	-	1,200,000	
Total	671,622,232	205,571,912	331,163,812	140,914,982	31,892,400	9,490,182	9,298,249	1,540,218,550	101,620,000	178,098,855	8,623,520	1,823,122,001	189,990,000	
														5,681,649,825

Source: National Health Accounts 2015 based on the new System of Health Accounts (S4221) MOH

Table I.3: National health accounts of Lebanon, 2015-Financing agents to functions

Amounts in 000 LL

	Government of Lebanon						Other Public			Private Sector		Donors	Total	
	MOH	CSC	Army	ISF	GSF	Customs	SF	NSF	Mutual Public	Mutual Private	Private Insurance			HI
HC.1 Curative care	47,671,662	128,831,114	261,116,643	99,265,964	16,566,100	5,266,007	4,566,448	642,343,677	93,944,000	122,611,919	429,346,677	70,661,624	-	2,917,711,516
HC.1.1 Inpatient curative care	316,646,919	95,420,590	237,063,198	96,920,822	163,381,148	4,782,000	4,238,335	675,393,033	472,440,000	106,992,564	574,700,111	418,866,439	-	2,292,654,539
HC.1.2 Day curative care	151,675,900	-	-	-	-	-	-	-	-	13,183,700	46,196,479	-	-	210,636,778
HC.1.3 Outpatient curative care	6,088,643	25,397,714	3,062,705	3,322,242	12,171,032	510,007	398,494	67,994,944	12,700,000	2,366,666	6,399,997	291,616,235	-	413,620,218
HC.1.4 Home-based curative care	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.2 Rehabilitative care	22,596,467	-	-	-	196,666	-	-	-	-	-	-	-	-	22,656,222
HC.2.1 Inpatient rehabilitative care	22,596,467	-	-	-	-	-	-	-	-	-	-	-	-	22,596,467
HC.2.2 Day rehabilitative care	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.2.3 Outpatient rehabilitative care	-	-	-	-	106,066	-	-	-	-	-	-	-	-	106,066
HC.2.4 Home-based rehabilitative care	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.3 Long-term care (health)	19,708,626	-	1,036,574	-	-	-	-	-	-	-	-	-	-	20,766,279
HC.3.1 Inpatient long-term care (health)	19,708,626	-	1,036,574	-	-	-	-	-	-	-	-	-	-	20,766,279
HC.3.2 Day (outpatient) long-term care (health)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.3.3 Outpatient long-term care (health)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.3.4 Home-based long-term care (health)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.4 Ancillary services (non-specified by function)	8,101,200	146,677,956	410,378,919	1,210,688	1,720,300	472,666	726,666	642,991,078	7,112,000	28,616,200	92,666,264	-	-	2,222,088,919
HC.4.1 Laboratory services	-	8,023,188	-	-	-	-	-	35,088,156	4,064,000	17,597,403	61,666,304	-	-	1,266,308,630
HC.4.2 Imaging services	3,633,781	6,634,668	-	-	-	-	-	23,701,343	3,068,000	8,848,887	31,008,300	-	-	83,072,639
HC.4.3 Patient transportation	4,467,419	-	-	-	-	-	-	-	-	-	-	-	-	4,467,419
HC.5 Medical goods (non-specified by function)	62,977,176	62,116,838	63,549,000	38,466,119	10,962,277	3,722,299	2,961,651	261,514,661	30,669,000	10,961,108	36,729,612	982,666,078	-	1,570,227,614
HC.5.1 Pharmaceuticals and other medical non-durable goods	62,923,666	62,116,838	63,549,000	35,960,264	10,644,626	3,706,175	2,979,728	261,514,661	30,669,000	10,961,108	36,372,512	927,793,413	-	1,520,292,644
HC.5.2 Therapeutic appliances and other medical durable goods	361,620	-	-	2,505,855	317,752	17,124	7,923	-	-	-	-	54,872,665	-	67,334,970
HC.6 Preventive care	6,147,346	-	-	-	-	-	-	-	-	-	-	-	-	6,147,346
HC.6.1 Information, education and counseling (IEC) programmes	6,147,346	-	-	-	-	-	-	-	-	-	-	-	-	6,147,346
HC.6.2 Immunisation programmes	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.6.3 Early disease detection programmes	5,622,730	-	-	-	-	-	-	-	-	-	-	-	-	5,622,730
HC.6.4 Healthy condition monitoring programmes	197,740	-	-	-	-	-	-	-	-	-	-	-	-	197,740
HC.6.5 Epidemiological surveillance and risk and disease control programmes	415,900	-	-	-	-	-	-	-	-	-	-	-	-	415,900
HC.6.6 Preparing for disaster and emergency response programmes	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.6.8c Other preventive care services	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HC.7 Governance and health system and financing administration	53,212,696	7,897,644	300,000,000	1,944,191	2,397,666	-	627,064	707,891,914	4,064,000	15,126,936	28,217,000	-	-	471,156,639
HC.7.1 Governance and health system administration	53,212,696	7,897,644	300,000,000	1,944,191	2,397,666	-	627,064	707,891,914	4,064,000	15,126,936	28,217,000	-	-	466,503,838
HC.7.2 Administration of health financing	-	-	-	-	-	-	-	-	-	-	-	-	-	4,291,776
HC.8 Other health care services not elsewhere classified	4,113,916	-	2,167,666	-	-	-	-	1,540,218,800	101,600,000	3,066,700	10,783,677	142,177,004	-	1,609,900,000
Total	671,622,382	2,063,719,112	351,633,882	146,834,482	31,882,400	9,460,162	9,068,248	1,540,218,800	101,600,000	178,889,666	692,338,620	1,624,122,201	-	3,453,675,672
														549,168,635

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Head of Statistics Department



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النشرة الإحصائية

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