

The background features a complex network diagram with nodes and connecting lines, overlaid on a grid of curved lines that create a sense of depth and perspective. The nodes are represented by small grey circles, and the lines are thin and light grey. The overall aesthetic is clean, modern, and technical.

Chapter 3 :

Hospital Activities

CHAPTER 3 | HOSPITAL ACTIVITIES

Inpatient Activities

There were around 3.5 million hospital admissions per year in 2012 and 2013 each. The number of hospital admissions observed an increasing pattern over time; although the increase between 2011 and 2012 was higher (4.7%) than the increase between 2012 and 2013 (2.3%). Hospital admission density observed an overall increase of 1.1% between 2012 and 2013 (117.94 to 119.23 per 1,000 population). Terengganu, Kelantan, Negeri Sembilan, and Johor saw the highest increase (4.5%-5.8%) of admissions per population. However seven states showed a decreasing pattern of admission density (Perlis, Kedah, Pulau Pinang, Perak, WP Putrajaya, Melaka, and Sarawak). Admissions to the public hospitals held a proportion of 72.3% out of total admissions in 2011. In subsequent years, the proportion dropped to 70.9% in 2012, and 70.8% in 2013. Generally, the public hospitals experienced 2.5 times more admissions per day than the private hospitals. [Table 3.1]

Mean average length of stay (ALOS) over the past three years has maintained at 3.5 days. Overall, ALOS was a day longer in the public hospitals (3.8 days) than in the private hospitals (2.8 days). Top three states with the longest mean ALOS were WP Putrajaya (4.4 days), WP Kuala Lumpur (4.2 days), and Sarawak (3.9 days); main contribution being from the public hospitals in each state i.e. 4.4 days, 4.9 days, and 4.2 days respectively [Table 3.2]. As would be expected, specialist hospitals recorded the longest mean ALOS (around 3.6 days) while maternity centres recorded the shortest mean ALOS (around 2.3 days) [Table 3.3].

On average, bed occupancy rate (BOR) during 2011-2013 period remained at 67%-68%. Over the time frame of 2012-2013, the public hospitals had an increase of 0.6% in mean BOR, while the private hospitals showed an increase of 2.3%. Between 2012 and 2013, three states had the highest increment of mean BOR: Negeri Sembilan (6.9%), Pahang (6.0%), and Terengganu (5.4%). The remaining states observed an increase of mean BOR ranging from 0.2% to 2.7% [Table 3.2]. Specialist hospitals especially from the public sector had the highest mean BOR compared with other hospital types. An interesting observation is that mean BOR of public specialist hospitals remained almost unchanged over time (2011-2013) while that of public non-specialist hospitals demonstrated a decreasing pattern. Once again, we highlight the finding of underutilisation of public non-specialist hospitals; reiterating our past reports. Kedah tops the list with the highest public specialist hospitals mean BOR for both 2012 (88.1%) and 2013 (90.1%). Public specialist hospitals of five other states (Pulau Pinang, Selangor, Melaka, Johor, and Terengganu) also observed mean BORs above national average for two consecutive years (2012-2013). [Table 3.4]

Overall turnover interval (TOI) remained unchanged (around 1.7 days) for the past three years. Mean TOI for the public hospitals was shorter (around 1.6 days) compared with the private hospitals (around 2.0 days) [Table 3.2]. This reflects on the higher number of admissions, and longer ALOS in the public hospitals. Among the three hospital categories, maternity centres had the longest mean TOI (3.5 days in 2012, and 4.5 days in 2013) compared with non-specialist hospitals (about 3 days), and specialist hospitals (about 1.5 days). Public specialist hospitals of six states recorded mean TOIs below national average for both 2012 and 2013 (Perlis, Kedah, Pulau Pinang, Selangor, Johor, and Terengganu) [Table 3.5]. Consistently, five out of those six states also recorded mean BORs above national average.

Outpatient Activities

Under this section of hospital activity, we gathered data on total visits per year in different hospital outpatient settings: emergency department (ED), general outpatient department (OPD), and specialist clinic. Overall, outpatient activities surpassed inpatient activities ninefold in 2012 and 2013. The year 2012 and 2013 each reported a total of 32-33 million hospital outpatient visits per year. We observed that in both years, nearly half (49%) of all hospital outpatient visits were made to the specialist clinics. The remaining half showed a slightly higher proportion of ED visits (28%) over

general OPD visits (23%). Such observation may be explained by follow-up visits. Although EDs and general OPDs do see patients repeatedly for similar bouts of illness (e.g. for a repeat full blood count in dengue fever); follow-up visits for chronic diseases are unique to specialist clinics, hence may be the contributory factor to the larger volume of outpatient visits received by such a setting. Nonetheless, we saw an apparent strain on public hospital EDs and general OPDs for both 2012 and 2013, in that most ED visits (81.5-82.9%) and general OPD visits (72.4-73.6%) occurred in the public hospitals. However, sector distribution of specialist clinic visits showed that both public and private hospitals shared almost equal proportions i.e. around 53.0% versus 47.0%. Over the two-year duration, general OPD visits increased the highest (2.6%), followed by ED visits (2.3%), and then specialist clinic visits (1.6%). [Table 3.6]

With regards to ratio of ED visits to population; Pulau Pinang, WP Labuan, and Negeri Sembilan topped the list with about 400-525 visits per 1,000 population for both years. Meanwhile, the states with bottom three ED visits were Sarawak, Terengganu, and Sabah with around 240-260 visits per 1,000 population. We noted WP Putrajaya to have an outlier value of about 780 ED visits per 1,000 population although the federal territory had only one ED in its sole hospital. An explanation to this is that the proximity of the three states (Selangor, WP Putrajaya, and WP Kuala Lumpur) that make up the central region of Peninsular Malaysia may lead to WP Putrajaya covering a population much larger than its own. Accounting for this factor, we demonstrated that ED visits per 1,000 population in the central region amounted to 310-320 i.e. close to national average of 310-315. However our data highlights that mismatch of resources and utilisation may be a concern in WP Putrajaya. [Table 3.6]

National average of general-OPD-visits-to-population was around 250 per 1,000 population for 2012 and 2013. The top three visits per 1,000 population (ranging 330-500) were observed in Perak, Pulau Pinang, and Sarawak [Table 3.6]. Most of these general OPD visits occurred in the public hospitals as most private hospitals did not offer general OPD service. Some public hospitals also did not provide general OPD service e.g seven out of 11 public hospitals in Johor; and all public hospitals in Perlis, WP Putrajaya, and WP Labuan. Nonetheless, such a service was available in public primary care centres, although such output is not captured in this survey.

Overall, the number of specialist clinic visits was higher in the public hospitals than the private hospitals. However the private hospitals received a larger share of visits compared to the public hospitals in Pulau Pinang, Melaka, and the collective states of Selangor, WP Putrajaya and WP Kuala Lumpur. These states also saw the highest specialist clinic visits per 1,000 population. [Table 3.6]

We attempted to illustrate specialist clinic visits by the breakdown of specialties but can only do so for the public hospitals [Table 3.7 and Table 3.8]. Private hospitals were unable to provide such data. We found that a miscellaneous group of subspecialty clinics (e.g. nephrology, respiratory, urology, neurology etc) made up 31.0% of the public specialist clinic visits. Discounting this, we observed that general medicine, orthopaedic and ophthalmology clinics made up the largest proportion of public specialist clinic visits i.e. 19.0%, 15.0%, and 15.0% respectively. General surgery and O&G clinics had equal share of 12.0%, followed by ENT clinic at 9.0%. Paediatric and psychiatry clinics each contributed 8.0%, while oncology clinic had the smallest share (2.0%) of all public specialist clinic visits.

Limitation:

1. Only interstate comparison is made available, and this does not necessarily reflect the intrastate scenario. A state that fared lesser than the national average may have some hospitals performing on par with said average, and vice versa.
2. Interpretation of activities-to-population ratio should be made with caution as service provision in one state is utilised not exclusively by its population, rather may also cater to other population. A case in point is WP Putrajaya, as we have discussed earlier.
3. A large proportion of private hospitals does not record breakdown of specialist clinic visits by specialty, therefore this data could not be captured.

Table 3.1: Number & Density of Admissions, and Rate of Admission Per Day in Acute Curative Hospitals in Malaysia by State & Sector, 2011-2013

State	Sector *	Admissions								
		2011			2012			2013		
		Number	per 1,000 population	Rate per Day	Number	per 1,000 population	Rate per Day	Number	per 1,000 population	Rate per Day
Malaysia	Public	2,382,540	-	6,523.04	2,454,698	-	6,720.60	2,507,151	-	6,864.21
Malaysia	Private	914,778	-	2,504.52	1,005,270	-	2,752.28	1,035,846	-	2,835.99
Malaysia	Total	3,297,318	113.84	9,027.56	3,459,968	117.94	9,472.88	3,542,997	119.23	9,700.20
Perlis	Public	29,721	-	81.37	32,653	-	89.40	31,324	-	85.76
Perlis	Private	na	-	na	-	-	-	na	-	na
Perlis	Total	29,721	125.14	81.37	32,653	136.40	89.40	31,324	129.76	85.76
Kedah	Public	186,124	-	509.58	191,932	-	525.48	192,169	-	526.13
Kedah	Private	44,620	-	122.16	43,797	-	119.91	43,639	-	119.48
Kedah	Total	230,744	116.94	631.74	235,729	118.05	645.39	235,808	116.67	645.61
Kedah & Perlis	Public	215,845	-	590.95	224,585	-	614.88	223,493	-	611.89
Kedah & Perlis	Private	44,620	-	122.16	43,797	-	119.91	43,639	-	119.48
Kedah & Perlis	Total	260,465	117.83	713.11	268,382	120.02	734.79	267,132	118.07	731.37
Pulau Pinang	Public	140,929	-	385.84	137,875	-	377.48	131,812	-	360.88
Pulau Pinang	Private	119,272	-	326.55	158,225	-	433.20	147,822	-	404.72
Pulau Pinang	Total	260,201	163.28	712.39	296,100	183.79	810.68	279,634	171.72	765.60
Perak	Public	224,969	-	615.93	229,786	-	629.12	226,838	-	621.05
Perak	Private	59,527	-	162.97	81,442	-	222.97	84,612	-	231.65
Perak	Total	284,496	118.66	778.91	311,228	128.78	852.09	311,450	127.83	852.70
Selangor	Public	310,249	-	849.42	326,322	-	893.42	331,260	-	906.94
Selangor	Private	244,568	-	669.59	259,585	-	710.71	275,995	-	755.63
Selangor	Total	554,817	99.48	1,519.01	585,907	103.69	1,604.13	607,255	106.07	1,662.57
WP Putrajaya	Public	24,476	-	67.01	25,112	-	68.75	24,606	-	67.37
WP Putrajaya	Private	na	-	na	na	-	na	na	-	na
WP Putrajaya	Total	24,476	320.37	67.01	25,112	316.27	68.75	24,606	298.25	67.37
WP Kuala Lumpur	Public	205,994	-	563.98	214,347	-	586.85	215,736	-	590.65
WP Kuala Lumpur	Private	177,291	-	485.40	167,445	-	458.44	174,778	-	478.52
WP Kuala Lumpur	Total	383,285	226.19	1,049.38	381,792	222.83	1,045.29	390,514	225.47	1,069.17
Selangor & WP Putrajaya & WP Kuala Lumpur	Public	540,719	-	1,480.41	565,781	-	1,549.02	571,602	-	1,564.96
Selangor & WP Putrajaya & WP Kuala Lumpur	Private	421,859	-	1,154.99	427,030	-	1,169.15	450,773	-	1,234.15
Selangor & WP Putrajaya & WP Kuala Lumpur	Total	962,578	130.99	2,635.40	992,811	133.38	2,718.17	1,022,375	135.60	2,799.11

Abbreviation: - not available; na - not applicable

Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.

* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1

Table 3.1 [continued]: Number & Density of Admissions, and Rate of Admission Per Day in Acute Curative Hospitals in Malaysia by State & Sector, 2011-2013

State	Sector *	Admissions								
		2011			2012			2013		
		Number	per 1,000 population	Rate per Day	Number	per 1,000 population	Rate per Day	Number	per 1,000 population	Rate per Day
Negeri Sembilan	Public	103,034	-	282.09	101,262	-	277.24	105,081	-	287.70
Negeri Sembilan	Private	46,977	-	128.62	49,678	-	136.01	55,506	-	151.97
Negeri Sembilan	Total	150,011	143.84	410.71	150,940	142.90	413.25	160,587	150.07	439.66
Melaka	Public	79,441	-	217.50	85,844	-	235.03	86,889	-	237.89
Melaka	Private	52,399	-	143.46	58,505	-	160.18	59,016	-	161.58
Melaka	Total	131,840	158.27	360.96	144,349	171.33	395.21	145,905	171.17	399.47
Johor	Public	281,388	-	770.40	285,278	-	781.05	300,548	-	822.86
Johor	Private	91,507	-	250.53	103,190	-	282.52	110,537	-	302.63
Johor	Total	372,895	109.62	1,020.93	388,468	112.94	1,063.57	411,085	118.22	1,125.49
Pahang	Public	129,537	-	354.65	136,602	-	374.00	143,382	-	392.56
Pahang	Private	18,147	-	49.68	19,652	-	53.80	20,269	-	55.49
Pahang	Total	147,684	96.85	404.34	156,254	100.91	427.80	163,651	104.06	448.05
Terengganu	Public	110,374	-	302.19	115,732	-	316.86	124,750	-	341.55
Terengganu	Private	2,774	-	7.59	3,095	-	8.47	3,647	-	9.98
Terengganu	Total	113,148	105.35	309.78	118,827	108.73	325.33	128,397	115.41	351.53
Kelantan	Public	151,102	-	413.69	155,642	-	426.12	165,615	-	453.43
Kelantan	Private	14,611	-	40.00	15,425	-	42.23	16,851	-	46.14
Kelantan	Total	165,713	102.60	453.70	171,067	104.28	468.36	182,466	109.53	499.56
Sarawak	Public	173,483	-	474.97	185,254	-	507.20	187,035	-	512.07
Sarawak	Private	33,030	-	90.43	34,800	-	95.28	32,453	-	88.85
Sarawak	Total	206,513	82.07	565.40	220,054	86.44	602.48	219,488	85.22	600.92
Sabah	Public	225,512	-	617.42	224,711	-	615.23	233,636	-	639.66
Sabah	Private	10,055	-	27.53	10,431	-	28.56	10,721	-	29.35
Sabah	Total	235,567	71.03	644.95	235,142	69.74	643.78	244,357	71.28	669.01
WP Labuan	Public	6,207	-	16.99	6,346	-	17.37	6,470	-	17.71
WP Labuan	Private	na	-	na	na	-	na	na	-	na
WP Labuan	Total	6,207	69.12	16.99	6,346	69.28	17.37	6,470	69.35	17.71
Sabah & WP Labuan	Public	231,719	-	634.41	231,057	-	632.60	240,106	-	657.37
Sabah & WP Labuan	Private	10,055	-	27.53	10,431	-	28.56	10,721	-	29.35
Sabah & WP Labuan	Total	241,774	70.98	661.94	241,488	69.73	661.16	250,827	71.23	686.73

Abbreviation: - not available; na - not applicable

Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.

* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

For population data, please refer Appendix 3: Table A3.1

Table 3.2: Mean of Average Length of Stay (ALOS), Bed Occupancy Rate(BOR), and Turnover Interval (TOI) in Acute Curative Hospitals in Malaysia by State & Sector, 2011-2013

State	Sector *	Mean ALOS (Days)			Mean BOR (%)			Mean TOI (Days)		
		2011	2012	2013	2011	2012	2013	2011	2012	2013
Malaysia	Public	3.8	3.8	3.8	70.5	70.2	70.8	1.6	1.6	1.6
Malaysia	Private	2.7	2.7	2.8	57.2	56.6	58.9	2.0	2.1	1.9
Malaysia	Total	3.53	3.48	3.52	67.12	66.59	67.65	1.73	1.74	1.68
Perlis	Public	3.4	3.4	3.6	71.0	75.0	75.9	1.4	1.1	1.1
Perlis	Private	na	na	na	na	na	na	na	na	na
Perlis	Total	3.40	3.39	3.57	70.99	75.05	75.91	1.39	1.13	1.13
Kedah	Public	3.5	3.5	3.6	77.4	78.0	80.7	1.0	1.0	0.9
Kedah	Private	2.6	2.4	2.5	60.0	54.5	57.1	1.8	2.0	1.9
Kedah	Total	3.32	3.27	3.43	74.10	73.64	76.33	1.16	1.17	1.06
Kedah & Perlis	Public	3.5	3.5	3.6	76.5	77.5	80.0	1.1	1.0	0.9
Kedah & Perlis	Private	2.6	2.4	2.5	60.0	54.5	57.1	1.8	2.0	1.9
Kedah & Perlis	Total	3.33	3.29	3.45	73.73	73.81	76.28	1.19	1.17	1.07
Pulau Pinang	Public	4.1	4.2	4.2	81.3	80.5	77.5	0.9	1.0	1.2
Pulau Pinang	Private	3.2	3.2	3.3	61.0	70.3	65.4	2.0	1.4	1.7
Pulau Pinang	Total	3.67	3.65	3.69	71.87	75.35	71.39	1.44	1.19	1.48
Perak	Public	3.4	3.5	3.5	63.5	62.0	60.7	2.0	2.1	2.3
Perak	Private	2.8	2.6	2.6	58.0	57.5	60.4	2.0	1.9	1.7
Perak	Total	3.30	3.23	3.25	62.42	61.01	60.60	1.99	2.07	2.12
Selangor	Public	3.8	3.8	3.8	75.9	77.9	79.1	1.2	1.1	1.0
Selangor	Private	2.6	2.5	2.6	59.0	54.8	58.5	1.8	2.1	1.8
Selangor	Total	3.30	3.22	3.26	68.93	67.95	70.24	1.49	1.52	1.38
WP Putrajaya	Public	4.2	3.9	4.4	101.3	87.0	81.1	-0.1	0.6	1.0
WP Putrajaya	Private	na	na	na	na	na	na	na	na	na
WP Putrajaya	Total	4.20	3.92	4.44	101.31	87.00	81.07	-0.05	0.59	1.04
WP Kuala Lumpur	Public	5.2	5.0	4.9	71.6	69.2	66.5	2.0	2.2	2.5
WP Kuala Lumpur	Private	3.0	3.1	3.3	56.9	49.1	53.3	2.3	3.3	2.9
WP Kuala Lumpur	Total	4.18	4.20	4.22	65.90	61.00	61.18	2.16	2.69	2.68
Selangor & WP Putrajaya & WP Kuala Lumpur	Public	4.4	4.3	4.3	74.7	74.0	73.1	1.5	1.5	1.6
Selangor & WP Putrajaya & WP Kuala Lumpur	Private	2.8	2.8	2.9	58.0	52.1	56.0	2.0	2.5	2.2
Selangor & WP Putrajaya & WP Kuala Lumpur	Total	3.67	3.61	3.66	68.15	65.03	66.17	1.72	1.94	1.87

Abbreviation: - na - not applicable

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* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

Table 3.2 [continued]: Mean of Average Length of Stay (ALOS), Bed Occupancy Rate (BOR), and Turnover Interval (TOI) in Acute Curative Hospitals in Malaysia by State & Sector, 2011-2013

State	Sector *	Mean ALOS (Days)			Mean BOR (%)			Mean TOI (Days)		
		2011	2012	2013	2011	2012	2013	2011	2012	2013
Negeri Sembilan	Public	3.5	3.5	3.8	66.1	63.4	70.0	1.8	2.0	1.6
Negeri Sembilan	Private	2.5	2.7	2.8	61.2	68.0	75.5	1.6	1.3	0.9
Negeri Sembilan	Total	3.20	3.27	3.43	64.87	64.56	71.49	1.74	1.80	1.37
Melaka	Public	3.8	4.1	4.1	83.1	74.8	73.2	0.8	1.4	1.5
Melaka	Private	2.7	2.7	2.8	53.8	63.3	65.4	2.3	1.5	1.5
Melaka	Total	3.38	3.52	3.61	70.90	70.82	70.55	1.39	1.45	1.51
Johor	Public	3.4	3.4	3.4	72.7	74.7	73.8	1.3	1.2	1.2
Johor	Private	2.1	2.0	2.1	54.9	48.2	53.8	1.7	2.2	1.8
Johor	Total	3.07	3.04	3.03	68.93	68.12	69.04	1.38	1.42	1.36
Pahang	Public	3.9	3.5	3.8	71.4	66.0	72.3	1.6	1.8	1.4
Pahang	Private	3.0	2.8	2.9	43.7	54.4	57.9	3.8	2.3	2.1
Pahang	Total	3.83	3.38	3.66	67.32	64.57	70.56	1.86	1.85	1.53
Terengganu	Public	3.1	3.1	3.1	70.9	72.5	77.8	1.3	1.2	0.9
Terengganu	Private	3.0	3.0	3.0	69.1	77.1	90.8	1.3	0.9	0.3
Terengganu	Total	3.14	3.07	3.05	70.88	72.62	78.06	1.29	1.16	0.86
Kelantan	Public	4.1	4.0	3.9	70.0	69.7	71.4	1.7	1.8	1.6
Kelantan	Private	2.5	2.5	2.4	63.0	64.2	66.0	1.5	1.4	1.2
Kelantan	Total	3.93	3.91	3.77	69.59	69.35	71.02	1.72	1.73	1.54
Sarawak	Public	4.1	4.2	4.2	58.4	63.4	63.4	2.9	2.4	2.4
Sarawak	Private	2.1	2.0	1.9	42.7	50.9	43.9	2.8	1.9	2.4
Sarawak	Total	3.76	3.83	3.87	56.56	62.16	61.43	2.89	2.33	2.43
Sabah	Public	3.9	3.7	3.8	64.2	63.1	64.3	2.2	2.2	2.1
Sabah	Private	2.8	2.7	2.7	49.2	62.4	61.5	2.9	1.6	1.7
Sabah	Total	3.88	3.68	3.73	63.62	63.08	64.16	2.22	2.16	2.08
WP Labuan	Public	2.8	3.1	3.1	43.4	50.1	50.0	3.6	3.1	3.1
WP Labuan	Private	na	na	na	na	na	na	na	na	na
WP Labuan	Total	2.78	3.14	3.08	43.37	50.14	50.05	3.63	3.13	3.07
Sabah & WP Labuan	Public	3.9	3.7	3.8	63.6	62.7	63.9	2.2	2.2	2.1
Sabah & WP Labuan	Private	2.8	2.7	2.7	49.2	62.4	61.5	2.9	1.6	1.7
Sabah & WP Labuan	Total	3.85	3.67	3.71	63.07	62.72	63.78	2.25	2.18	2.11

Abbreviation: - na - not applicable
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* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

Table 3.3: Mean of Average Length of Stay (ALOS) in Malaysia by Categories of Acute Curative Hospitals, by State & Sector, 2011-2013

State	Sector *	Mean ALOS (Days)											
		Specialist Hospital			Non Specialist Hospital			Maternity Centre					
		2011	2012	2013	2011	2012	2013	2011	2012	2013			
Malaysia	Public	4.04	4.00	4.06	2.82	2.70	2.70	na	na	na	na	na	
Malaysia	Private	2.73	2.71	2.77	1.00	1.00	1.00	2.41	2.21	2.21	2.29	2.29	
Malaysia	Total	3.64	3.59	3.64	2.82	2.70	2.70	2.41	2.21	2.21	2.29	2.29	
Perlis	Public	3.40	3.39	3.57	na	na	na	na	na	na	na	na	
Perlis	Private	na	na	na	na	na	na	na	na	na	na	na	
Perlis	Total	3.40	3.39	3.57	na	na	na	na	na	na	na	na	
Kedah	Public	3.72	3.70	3.87	2.39	2.41	2.54	na	na	na	na	na	
Kedah	Private	2.67	2.42	2.56	na	na	na	2.18	2.05	2.05	2.03	2.03	
Kedah	Total	3.49	3.43	3.59	2.39	2.41	2.54	2.18	2.05	2.05	2.03	2.03	
Kedah & Perlis	Public	3.66	3.64	3.82	2.39	2.41	2.54	na	na	na	na	na	
Kedah & Perlis	Private	2.67	2.42	2.56	na	na	na	2.18	2.05	2.05	2.03	2.03	
Kedah & Perlis	Total	3.48	3.42	3.59	2.39	2.41	2.54	2.18	2.05	2.05	2.03	2.03	
Pulau Pinang	Public	4.14	4.16	4.19	3.59	4.01	4.00	na	na	na	na	na	
Pulau Pinang	Private	3.24	3.28	3.28	na	na	na	1.87	1.92	1.92	2.16	2.16	
Pulau Pinang	Total	3.72	3.68	3.70	3.59	4.01	4.00	1.87	1.92	1.92	2.16	2.16	
Perak	Public	3.66	3.71	3.77	2.64	2.59	2.55	na	na	na	na	na	
Perak	Private	2.84	2.62	2.65	na	na	na	1.68	1.65	1.65	1.64	1.64	
Perak	Total	3.45	3.37	3.41	2.64	2.59	2.55	1.68	1.65	1.65	1.64	1.64	
Selangor	Public	3.84	3.81	3.89	3.51	3.06	3.13	na	na	na	na	na	
Selangor	Private	2.61	2.53	2.57	na	na	na	3.23	2.56	2.56	2.65	2.65	
Selangor	Total	3.29	3.24	3.28	3.51	3.06	3.13	3.23	2.56	2.56	2.65	2.65	
WP Putrajaya	Public	4.20	3.92	4.44	na	na	na	na	na	na	na	na	
WP Putrajaya	Private	na	na	na	na	na	na	na	na	na	na	na	
WP Putrajaya	Total	4.20	3.92	4.44	na	na	na	na	na	na	na	na	
WP Kuala Lumpur	Public	5.17	5.03	4.95	na	na	na	na	na	na	na	na	
WP Kuala Lumpur	Private	3.03	3.15	3.33	na	na	na	2.41	3.04	3.04	3.14	3.14	
WP Kuala Lumpur	Total	4.19	4.22	4.23	na	na	na	2.41	3.04	3.04	3.14	3.14	
Selangor & WP Putrajaya & WP Kuala Lumpur	Public	4.39	4.29	4.33	3.51	3.06	3.13	na	na	na	na	na	
Selangor & WP Putrajaya & WP Kuala Lumpur	Private	2.79	2.77	2.86	na	na	na	3.12	2.76	2.76	2.80	2.80	
Selangor & WP Putrajaya & WP Kuala Lumpur	Total	3.68	3.64	3.68	3.51	3.06	3.13	3.12	2.76	2.76	2.80	2.80	

Abbreviation: - na - not applicable

Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.

* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

Table 3.3 [continued]: Mean of Average Length of Stay (ALOS) in Malaysia by Categories of Acute Curative Hospitals, by State & Sector, 2011-2013

State	Sector *	Mean ALOS (Days)											
		Specialist Hospital			Non Specialist Hospital			Maternity Centre					
		2011	2012	2013	2011	2012	2013	2011	2012	2013			
Negeri Sembilan	Public	3.63	3.69	3.93	3.02	2.66	2.78	na	na	na	na		
Negeri Sembilan	Private	2.46	2.75	2.79	na	na	na	na	1.82	1.79	na		
Negeri Sembilan	Total	3.23	3.35	3.50	3.02	2.66	2.78	na	1.82	1.79	na		
Melaka	Public	3.93	4.20	4.27	3.05	3.13	2.88	na	na	na	na		
Melaka	Private	2.68	2.67	2.85	na	na	na	na	na	na	na		
Melaka	Total	3.40	3.54	3.66	3.05	3.13	2.88	na	na	na	na		
Johor	Public	3.58	3.62	3.58	2.38	2.31	2.24	na	na	na	na		
Johor	Private	2.15	2.02	2.09	1.00	1.00	1.00	1.62	1.79	1.89	na		
Johor	Total	3.19	3.17	3.15	2.38	2.31	2.24	1.62	1.79	1.89	na		
Pahang	Public	4.29	3.67	4.08	2.72	2.71	2.68	na	na	na	na		
Pahang	Private	3.05	2.83	2.92	na	na	na	1.38	2.12	2.23	na		
Pahang	Total	4.11	3.54	3.91	2.72	2.71	2.68	1.38	2.12	2.23	na		
Terengganu	Public	3.31	3.36	3.32	2.75	2.29	2.36	na	na	na	na		
Terengganu	Private	3.00	3.00	3.00	na	na	na	na	na	na	na		
Terengganu	Total	3.30	3.34	3.31	2.75	2.29	2.36	na	na	na	na		
Kelantan	Public	4.50	4.48	4.31	2.71	2.68	2.72	na	na	na	na		
Kelantan	Private	2.55	2.49	2.41	na	na	na	na	na	na	na		
Kelantan	Total	4.28	4.25	4.08	2.71	2.68	2.72	na	na	na	na		
Sarawak	Public	4.33	4.45	4.48	2.83	2.79	2.84	na	na	na	na		
Sarawak	Private	2.08	2.01	1.87	na	na	na	7.61	1.01	1.00	na		
Sarawak	Total	3.91	4.01	4.04	2.83	2.79	2.84	7.61	1.01	1.00	na		
Sabah	Public	4.31	4.10	4.17	3.15	2.98	2.97	na	na	na	na		
Sabah	Private	2.87	3.11	3.12	na	na	na	2.00	1.63	1.49	na		
Sabah	Total	4.23	4.05	4.12	3.15	2.98	2.97	2.00	1.63	1.49	na		
WP Labuan	Public	2.78	3.14	3.08	na	na	na	na	na	na	na		
WP Labuan	Private	na	na	na	na	na	na	na	na	na	na		
WP Labuan	Total	2.78	3.14	3.08	na	na	na	na	na	na	na		
Sabah & WP Labuan	Public	4.25	4.06	4.12	3.15	2.98	2.97	na	na	na	na		
Sabah & WP Labuan	Private	2.87	3.11	3.12	na	na	na	2.00	1.63	1.49	na		
Sabah & WP Labuan	Total	4.18	4.02	4.08	3.15	2.98	2.97	2.00	1.63	1.49	na		

Abbreviation: - na - not applicable
 Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.

* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

Table 3.4: Mean Bed Occupancy Rate(BOR) in Malaysia by Categories of Acute Curative Hospitals, by State & Sector, 2011-2013

State	Sector *	Mean BOR (%)											
		Specialist Hospital			Non Specialist Hospital			Maternity Centre					
		2011	2012	2013	2011	2012	2013	2011	2012	2013			
Malaysia	Public	74.93	75.41	75.21	49.03	45.38	46.71	na	na	na	na	na	
Malaysia	Private	59.07	58.34	61.02	0.63	0.40	0.33	29.59	31.48	27.70	33.78	na	
Malaysia	Total	70.55	70.45	71.15	48.64	45.04	46.32	32.38	38.52	33.78	na	na	
Perlis	Public	70.99	75.05	75.91	na	na	na	na	na	na	na	na	
Perlis	Private	na	na	na	na	na	na	na	na	na	na	na	
Perlis	Total	70.99	75.05	75.91	na	na	na	na	na	na	na	na	
Kedah	Public	87.81	88.06	90.10	41.64	42.27	46.81	na	na	na	na	na	
Kedah	Private	63.48	55.76	58.68	na	na	na	30.97	32.44	28.93	28.93	na	
Kedah	Total	82.64	81.11	83.37	41.64	42.27	46.81	30.97	32.44	28.93	28.93	na	
Kedah & Perlis	Public	84.78	85.70	87.56	41.64	42.27	46.81	na	na	na	na	na	
Kedah & Perlis	Private	63.48	55.76	58.68	na	na	na	30.97	32.44	28.93	28.93	na	
Kedah & Perlis	Total	80.92	80.21	82.28	41.64	42.27	46.81	30.97	32.44	28.93	28.93	na	
Pulau Pinang	Public	83.61	82.49	79.87	57.85	60.87	54.03	na	na	na	na	na	
Pulau Pinang	Private	63.05	72.28	66.95	na	na	na	32.18	33.45	28.28	28.28	na	
Pulau Pinang	Total	73.90	77.23	73.12	57.85	60.87	54.03	32.18	33.45	28.28	28.28	na	
Perak	Public	67.87	67.81	66.58	48.84	44.09	42.37	na	na	na	na	na	
Perak	Private	59.15	58.23	61.19	na	na	na	16.26	19.11	17.87	17.87	na	
Perak	Total	65.85	65.19	65.13	48.84	44.09	42.37	16.26	19.11	17.87	17.87	na	
Selangor	Public	80.07	82.67	83.64	42.87	36.73	39.42	na	na	na	na	na	
Selangor	Private	60.22	56.47	60.34	na	na	na	43.61	31.47	32.81	32.81	na	
Selangor	Total	71.69	71.10	73.41	42.87	36.73	39.42	43.61	31.47	32.81	32.81	na	
WP Putrajaya	Public	101.31	87.00	54.66	na	na	na	na	na	na	na	na	
WP Putrajaya	Private	na	na	na	na	na	na	na	na	na	na	na	
WP Putrajaya	Total	101.31	87.00	54.66	na	na	na	na	na	na	na	na	
WP Kuala Lumpur	Public	71.64	69.17	66.50	na	na	na	na	na	na	na	na	
WP Kuala Lumpur	Private	57.69	49.55	54.46	na	na	na	20.22	40.69	29.21	29.21	na	
WP Kuala Lumpur	Total	66.30	61.39	61.77	na	na	na	20.22	40.69	29.21	29.21	na	
Selangor & WP Putrajaya & WP Kuala Lumpur	Public	76.58	76.01	73.38	42.87	36.73	39.42	na	na	na	na	na	
Selangor & WP Putrajaya & WP Kuala Lumpur	Private	59.02	53.16	57.53	na	na	na	38.72	35.06	31.48	31.48	na	
Selangor & WP Putrajaya & WP Kuala Lumpur	Total	69.66	66.65	67.03	42.87	36.73	39.42	38.72	35.06	31.48	31.48	na	

Abbreviation: - na - not applicable

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* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

Table 3.4 [continued]: Mean Bed Occupancy Rate (BOR) in Malaysia by Categories of Acute Curative Hospitals, by State & Sector, 2011-2013

State	Sector *	Mean BOR (%)									
		Specialist Hospital			Non Specialist Hospital			Maternity Centre			
		2011	2012	2013	2011	2012	2013	2011	2012	2013	
Negeri Sembilan	Public	70.07	69.24	77.48	47.44	37.90	37.90	na	na	na	na
Negeri Sembilan	Private	61.24	68.46	76.04	na	na	na	na	40.61	41.31	na
Negeri Sembilan	Total	67.48	69.00	77.04	47.44	37.90	37.90	na	40.61	41.31	na
Melaka	Public	85.24	75.85	76.49	64.56	62.80	48.25	na	na	na	na
Melaka	Private	53.79	63.26	65.42	na	na	na	na	na	na	na
Melaka	Total	71.32	71.27	72.36	64.56	62.80	48.25	na	na	na	na
Johor	Public	74.31	77.36	76.25	62.84	58.10	57.26	na	na	na	na
Johor	Private	65.03	54.65	62.93	0.63	0.40	0.33	16.69	24.75	20.37	na
Johor	Total	72.43	71.96	73.27	57.03	53.00	51.70	16.69	24.75	20.37	na
Pahang	Public	77.40	69.89	76.61	49.49	51.87	55.67	na	na	na	na
Pahang	Private	46.66	57.77	61.47	na	na	na	11.04	20.25	21.40	na
Pahang	Total	72.25	68.18	74.57	49.49	51.87	55.67	11.04	20.25	21.40	na
Terengganu	Public	76.26	83.07	87.19	58.57	48.09	55.91	na	na	na	na
Terengganu	Private	69.09	77.09	90.83	na	na	na	na	na	na	na
Terengganu	Total	76.02	82.86	87.32	58.57	48.09	55.91	na	na	na	na
Kelantan	Public	72.44	74.11	74.32	59.96	53.01	60.15	na	na	na	na
Kelantan	Private	62.99	64.20	65.96	na	na	na	na	na	na	na
Kelantan	Total	71.71	73.34	73.66	59.96	53.01	60.15	na	na	na	na
Sarawak	Public	65.00	71.81	71.71	33.73	33.00	32.23	na	na	na	na
Sarawak	Private	44.01	53.01	45.45	na	na	na	20.29	7.92	9.44	na
Sarawak	Total	62.07	69.56	68.62	33.73	33.00	32.23	20.29	7.92	9.44	na
Sabah	Public	73.18	74.01	73.59	48.19	44.69	45.82	na	na	na	na
Sabah	Private	52.64	66.53	69.88	na	na	na	22.74	48.59	37.61	na
Sabah	Total	72.07	73.72	73.46	48.19	44.69	45.82	22.74	48.59	37.61	na
WP Labuan	Public	43.37	50.14	50.05	na	na	na	na	na	na	na
WP Labuan	Private	na	na	na	na	na	na	na	na	na	na
WP Labuan	Total	43.37	50.14	50.05	na	na	na	na	na	na	na
Sabah & WP Labuan	Public	71.90	72.93	72.59	48.19	44.69	45.82	na	na	na	na
Sabah & WP Labuan	Private	52.64	66.53	69.88	na	na	na	22.74	48.59	37.61	na
Sabah & WP Labuan	Total	70.90	72.69	72.49	48.19	44.69	45.82	22.74	48.59	37.61	na

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 Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.

* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

Table 3.5: Mean Turn Over Interval (TOI) in Malaysia by Categories of Acute Curative Hospitals, by State & Sector, 2011-2013

State	Sector *	Mean Turnover Interval (Days)											
		Specialist Hospital			Non Specialist Hospital			Maternity Centre					
		2011	2012	2013	2011	2012	2013	2011	2012	2013			
Malaysia	Public	1.35	1.31	1.34	2.93	3.25	3.08	na	na	na	na		
Malaysia	Private	1.89	1.94	1.77	157.70	247.86	303.17	5.74	4.81	5.97	5.97		
Malaysia	Total	1.52	1.51	1.48	2.98	3.29	3.13	5.04	3.53	4.48	4.48		
Perlis	Public	1.39	1.13	1.13	na	na	na	na	na	na	na		
Perlis	Private	na	na	na	na	na	na	na	na	na	na		
Perlis	Total	1.39	1.13	1.13	na	na	na	na	na	na	na		
Kedah	Public	0.52	0.50	0.43	3.35	3.29	2.89	na	na	na	na		
Kedah	Private	1.54	1.92	1.81	na	na	na	4.87	4.28	4.99	4.99		
Kedah	Total	0.73	0.80	0.72	3.35	3.29	2.89	4.87	4.28	4.99	4.99		
Kedah & Perlis	Public	0.66	0.61	0.54	3.35	3.29	2.89	na	na	na	na		
Kedah & Perlis	Private	1.54	1.92	1.81	na	na	na	4.87	4.28	4.99	4.99		
Kedah & Perlis	Total	0.82	0.84	0.77	3.35	3.29	2.89	4.87	4.28	4.99	4.99		
Pulau Pinang	Public	0.81	0.88	1.06	2.61	2.57	3.41	na	na	na	na		
Pulau Pinang	Private	1.90	1.26	1.62	na	na	na	3.95	3.83	5.47	5.47		
Pulau Pinang	Total	1.32	1.09	1.36	2.61	2.57	3.41	3.95	3.83	5.47	5.47		
Perak	Public	1.73	1.76	1.89	2.76	3.29	3.46	na	na	na	na		
Perak	Private	1.96	1.88	1.68	na	na	na	8.64	6.97	7.52	7.52		
Perak	Total	1.79	1.80	1.82	2.76	3.29	3.46	8.64	6.97	7.52	7.52		
Selangor	Public	0.96	0.80	0.76	4.67	5.27	4.80	na	na	na	na		
Selangor	Private	1.72	1.95	1.69	na	na	na	4.18	5.57	5.42	5.42		
Selangor	Total	1.30	1.32	1.19	4.67	5.27	4.80	4.18	5.57	5.42	5.42		
WP Putrajaya	Public	-0.05	0.59	3.69	na	na	na	na	na	na	na		
WP Putrajaya	Private	na	na	na	na	na	na	na	na	na	na		
WP Putrajaya	Total	-0.05	0.59	3.69	na	na	na	na	na	na	na		
WP Kuala Lumpur	Public	2.05	2.24	2.49	na	na	na	na	na	na	na		
WP Kuala Lumpur	Private	2.22	3.21	2.78	na	na	na	9.52	4.43	7.60	7.60		
WP Kuala Lumpur	Total	2.13	2.65	2.62	na	na	na	9.52	4.43	7.60	7.60		
Selangor & WP Putrajaya & WP Kuala Lumpur	Public	1.34	1.36	1.57	4.67	5.27	4.80	na	na	na	na		
Selangor & WP Putrajaya & WP Kuala Lumpur	Private	1.94	2.44	2.11	na	na	na	4.93	5.11	6.09	6.09		
Selangor & WP Putrajaya & WP Kuala Lumpur	Total	1.60	1.82	1.81	4.67	5.27	4.80	4.93	5.11	6.09	6.09		

Abbreviation: - na - not applicable

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* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

Table 3.5 [continued]: Mean Turn Over Interval (TOI) in Malaysia by Categories of Acute Curative Hospitals, by State & Sector, 2011-2013

State	Sector *	Mean Turnover Interval (Days)											
		Specialist Hospital			Non Specialist Hospital			Maternity Centre					
		2011	2012	2013	2011	2012	2013	2011	2012	2013			
Negeri Sembilan	Public	1.55	1.64	1.14	3.34	4.37	4.56	na	na	na	na		
Negeri Sembilan	Private	1.56	1.26	0.88	na	na	na	na	2.66	2.55	na		
Negeri Sembilan	Total	1.55	1.50	1.04	3.34	4.37	4.56	na	2.66	2.55	na		
Melaka	Public	0.68	1.34	1.31	1.68	1.85	3.09	na	na	na	na		
Melaka	Private	2.30	1.55	1.51	na	na	na	na	na	na	na		
Melaka	Total	1.37	1.43	1.40	1.68	1.85	3.09	na	na	na	na		
Johor	Public	1.24	1.06	1.12	1.41	1.67	1.67	na	na	na	na		
Johor	Private	1.16	1.68	1.23	157.70	247.86	303.17	8.06	5.43	7.39	na		
Johor	Total	1.22	1.23	1.15	1.79	2.05	2.09	8.06	5.43	7.39	na		
Pahang	Public	1.25	1.58	1.25	2.77	2.51	2.13	na	na	na	na		
Pahang	Private	3.48	2.07	1.83	na	na	na	11.16	8.34	8.21	na		
Pahang	Total	1.58	1.65	1.33	2.77	2.51	2.13	11.16	8.34	8.21	na		
Terengganu	Public	1.03	0.68	0.49	1.95	2.47	1.86	na	na	na	na		
Terengganu	Private	1.34	0.89	0.30	na	na	na	na	na	na	na		
Terengganu	Total	1.04	0.69	0.48	1.95	2.47	1.86	na	na	na	na		
Kelantan	Public	1.71	1.56	1.49	1.81	2.38	1.80	na	na	na	na		
Kelantan	Private	1.50	1.39	1.25	na	na	na	na	na	na	na		
Kelantan	Total	1.69	1.54	1.46	1.81	2.38	1.80	na	na	na	na		
Sarawak	Public	2.33	1.75	1.77	5.55	5.66	5.96	na	na	na	na		
Sarawak	Private	2.64	1.78	2.24	na	na	na	29.89	11.71	9.59	na		
Sarawak	Total	2.39	1.75	1.85	5.55	5.66	5.96	29.89	11.71	9.59	na		
Sabah	Public	1.58	1.44	1.50	3.39	3.69	3.51	na	na	na	na		
Sabah	Private	2.58	1.57	1.35	na	na	na	6.80	1.73	2.47	na		
Sabah	Total	1.64	1.44	1.49	3.39	3.69	3.51	6.80	1.73	2.47	na		
WP Labuan	Public	3.63	3.13	3.07	na	na	na	na	na	na	na		
WP Labuan	Private	na	na	na	na	na	na	na	na	na	na		
WP Labuan	Total	3.63	3.13	3.07	na	na	na	na	na	na	na		
Sabah & WP Labuan	Public	1.66	1.51	1.56	3.39	3.69	3.51	na	na	na	na		
Sabah & WP Labuan	Private	2.58	1.57	1.35	na	na	na	6.80	1.73	2.47	na		
Sabah & WP Labuan	Total	1.71	1.51	1.55	3.39	3.69	3.51	6.80	1.73	2.47	na		

Abbreviation: - na - not applicable
 Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.

* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

Table 3.6 : Number & Density of Emergency Department, General Outpatient Department and Specialist Clinic Visits in Acute Curative Hospitals in Malaysia by State & Sector, 2012-2013

State	Sector *	Total Emergency Department Visits				Total General Outpatient Department Visits				Total Specialist Outpatient Department Visits			
		2012		2013		2012		2013		2012		2013	
		Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population
Malaysia	Public	7,585,804	-	7,632,331	-	5,359,471	-	5,413,101	-	8,387,448	-	8,567,888	-
Malaysia	Private	1,561,340	-	1,729,878	-	1,925,684	-	2,068,646	-	7,448,707	-	7,522,123	-
Malaysia	Total	9,147,144	311.80	9,362,209	315.07	7,285,155	248.33	7,481,747	251.79	15,836,155	539.81	16,090,011	541.48
Perlis	Public	92,410	-	97,438	-	-	-	-	-	107,381	-	112,109	-
Perlis	Private	na	-	na	-	na	-	na	-	na	-	na	-
Perlis	Total	92,410	386.01	97,438	403.64	-	-	-	-	107,381	448.54	112,109	464.41
Kedah	Public	593,476	-	599,959	-	321,119	-	321,165	-	539,401	-	587,777	-
Kedah	Private	73,398	-	94,742	-	67,321	-	74,405	-	335,857	-	322,406	-
Kedah	Total	666,874	333.97	694,701	343.72	388,440	194.53	395,570	195.72	875,258	438.33	910,183	450.34
Kedah & Perlis	Public	685,886	-	697,397	-	321,119	-	321,165	-	646,782	-	699,886	-
Kedah & Perlis	Private	73,398	-	94,742	-	67,321	-	74,405	-	335,857	-	322,406	-
Kedah & Perlis	Total	759,284	339.54	792,139	350.12	388,440	173.71	395,570	174.84	982,639	439.42	1,022,292	451.84
Pulau Pinang	Public	450,886	-	443,608	-	485,287	-	521,405	-	569,177	-	564,480	-
Pulau Pinang	Private	395,925	-	387,837	-	51,414	-	66,074	-	1,457,862	-	1,566,015	-
Pulau Pinang	Total	846,811	525.61	831,445	510.59	536,701	333.13	587,479	360.77	2,027,039	1,258.17	2,130,495	1,308.34
Perak	Public	782,650	-	799,346	-	1,104,937	-	1,180,499	-	761,008	-	788,182	-
Perak	Private	72,677	-	68,214	-	51,007	-	51,303	-	442,263	-	435,700	-
Perak	Total	855,327	353.92	867,560	356.08	1,155,944	478.32	1,231,802	505.58	1,203,271	497.90	1,223,882	502.33
Selangor	Public	1,083,437	-	1,091,527	-	200,181	-	197,106	-	1,059,756	-	1,152,833	-
Selangor	Private	386,495	-	475,374	-	793,353	-	898,576	-	2,102,751	-	2,011,242	-
Selangor	Total	1,469,932	260.13	1,566,901	273.68	993,534	175.82	1,095,682	191.38	3,162,507	559.66	3,164,075	552.65
WP Putrajaya	Public	62,220	-	64,128	-	-	-	-	-	155,421	-	164,191	-
WP Putrajaya	Private	na	-	na	-	na	-	na	-	na	-	na	-
WP Putrajaya	Total	62,220	783.63	64,128	777.31	-	-	-	-	155,421	1,957.44	164,191	1,990.19
WP Kuala Lumpur	Public	514,542	-	476,688	-	434,579	-	382,438	-	1,544,267	-	1,466,877	-
WP Kuala Lumpur	Private	283,293	-	302,805	-	367,797	-	410,331	-	1,106,863	-	1,231,972	-
WP Kuala Lumpur	Total	797,835	465.64	779,493	450.05	802,376	468.29	792,769	457.72	2,651,130	1,547.29	2,698,849	1,558.23
Selangor & WP Putrajaya & WP Kuala Lumpur	Public	1,660,199	-	1,632,343	-	634,760	-	579,544	-	2,759,444	-	2,783,901	-
Selangor & WP Putrajaya & WP Kuala Lumpur	Private	669,788	-	778,179	-	1,161,150	-	1,308,907	-	3,209,614	-	3,243,214	-
Selangor & WP Putrajaya & WP Kuala Lumpur	Total	2,329,987	313.02	2,410,522	319.71	1,795,910	241.27	1,888,451	250.46	5,969,058	801.90	6,027,115	799.37

Abbreviation: - not available; na - not applicable

Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.

* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1

Table 3.6 [continued]: Number & Density of Emergency Department, General Outpatient Department and Specialist Clinic Visits in Acute Curative Hospitals in Malaysia by State & Sector, 2012-2013

State	Sector*	Total Emergency Department Visits						Total General Outpatient Department Visits						Total Specialist Outpatient Department Visits					
		2012		2013		2012		2013		2012		2013		2012		2013			
		Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population	Number	per 1,000 population		
Negeri Sembilan	Public	353,065	-	357,282	-	98,964	-	113,450	-	289,879	-	307,778	-						
Negeri Sembilan	Private	71,186	-	99,508	-	11,831	-	8,520	-	264,107	-	271,784	-						
Negeri Sembilan	Total	424,251	401.64	456,790	426.87	110,795	104.89	121,970	113.98	553,986	524.46	579,562	541.60						
Melaka	Public	255,022	-	265,804	-	73,001	-	85,434	-	305,572	-	324,050	-						
Melaka	Private	66,664	-	76,521	-	129,397	-	133,381	-	464,630	-	482,479	-						
Melaka	Total	321,686	381.82	342,325	401.60	202,398	240.24	218,815	256.70	770,202	914.19	806,529	946.19						
Johor	Public	789,727	-	793,079	-	142,089	-	146,681	-	897,722	-	910,921	-						
Johor	Private	106,603	-	141,892	-	89,772	-	107,729	-	769,330	-	713,435	-						
Johor	Total	896,330	260.59	934,971	268.89	231,861	67.41	254,410	73.17	1,667,052	484.66	1,624,356	467.14						
Pahang	Public	418,387	-	433,149	-	244,769	-	244,482	-	351,457	-	356,498	-						
Pahang	Private	14,794	-	15,097	-	89,863	-	32,180	-	135,824	-	124,665	-						
Pahang	Total	433,181	279.76	448,246	285.02	334,632	216.11	276,662	175.92	487,281	314.70	481,163	305.95						
Terengganu	Public	254,173	-	268,836	-	249,820	-	240,548	-	268,323	-	269,920	-						
Terengganu	Private	9,405	-	10,487	-	-	-	-	-	13,656	-	13,656	-						
Terengganu	Total	263,578	241.17	279,323	251.08	249,820	228.58	240,548	216.22	281,979	258.01	283,576	254.90						
Kelantan	Public	439,782	-	436,052	-	260,588	-	231,728	-	460,960	-	439,955	-						
Kelantan	Private	5,560	-	5,998	-	86,856	-	93,188	-	9,929	-	10,654	-						
Kelantan	Total	445,342	271.48	442,050	265.35	347,444	211.80	324,916	195.04	470,889	287.06	450,609	270.49						
Sarawak	Public	580,735	-	578,182	-	733,777	-	726,838	-	432,345	-	467,280	-						
Sarawak	Private	63,553	-	38,202	-	134,597	-	144,017	-	210,236	-	202,505	-						
Sarawak	Total	644,288	253.08	616,384	239.33	868,374	341.10	870,855	338.13	642,581	252.41	669,785	260.06						
Sabah	Public	871,201	-	882,515	-	1,010,360	-	1,021,327	-	625,527	-	624,140	-						
Sabah	Private	11,787	-	13,201	-	52,476	-	48,942	-	135,399	-	135,610	-						
Sabah	Total	882,988	261.88	895,716	261.29	1,062,836	315.22	1,070,269	312.21	760,926	225.68	759,750	221.63						
WP Labuan	Public	44,091	-	44,738	-	na	-	na	-	19,252	-	30,897	-						
WP Labuan	Private	na	-	na	-	na	-	na	-	na	-	na	-						
WP Labuan	Total	44,091	481.34	44,738	479.51	-	-	-	-	19,252	210.17	30,897	331.16						
Sabah & WP Labuan	Public	915,292	-	927,253	-	1,010,360	-	1,021,327	-	644,779	-	655,037	-						
Sabah & WP Labuan	Private	11,787	-	13,201	-	52,476	-	48,942	-	135,399	-	135,610	-						
Sabah & WP Labuan	Total	927,079	267.69	940,454	267.08	1,062,836	306.89	1,070,269	303.94	780,178	225.27	790,647	224.53						

Abbreviation: - not available; na - not applicable

Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.

* Public sector in 2011 refers to MOH and University hospitals, while public sector in 2012 & 2013 refers to MOH, University, and MOD hospitals.

For population data, please refer Appendix 3: Table A3.1

Table 3.7: Number of Specialist Clinic Visits (Medicine, General Surgery, Orthopaedics and Obstetrics & Gynaecology) in Acute Curative Hospitals (Public Hospitals Only) in Malaysia by State, 2012-2013

State	General Medicine Clinic		Surgical Clinic		Orthopaedic Clinic		Obstetric Clinic		Gynaecology Clinic	
	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013
Malaysia	1,209,050	1,259,418	773,624	783,765	989,605	1,035,343	508,483	487,786	342,558	341,207
Perlis	16,797	18,198	12,599	12,791	14,851	16,007	4,883	5,225	3,024	3,299
Kedah	87,350	92,420	74,295	82,923	68,876	74,915	39,249	39,809	27,550	27,115
Kedah & Perlis	104,147	110,618	86,894	95,714	83,727	90,922	44,132	45,034	30,574	30,414
Pulau Pinang	78,032	78,642	51,130	49,829	76,599	69,652	26,074	23,344	20,723	19,399
Perak	98,971	103,284	85,568	88,792	106,801	107,943	45,829	41,238	34,048	35,430
Selangor	157,987	185,565	83,771	93,812	134,774	143,436	67,747	71,397	50,117	50,774
WP Putrajaya	44,288	44,467	18,709	20,582	17,464	19,721	19,516	19,103	8,336	6,637
WPKL	241,616	219,688	110,554	90,096	149,922	146,839	108,752	110,272	42,899	42,707
Selangor & WP Putrajaya & WPKL	443,891	449,720	213,034	204,490	302,160	309,996	196,015	200,772	101,352	100,118
Negeri Sembilan	32,978	40,794	30,120	30,557	39,483	43,904	16,194	15,655	12,571	12,739
Melaka	47,685	50,973	31,391	34,792	45,332	49,176	19,783	20,834	13,231	14,976
Johor	116,066	117,127	77,470	82,587	102,496	115,449	76,464	53,356	34,615	34,226
Pahang	44,749	49,069	31,177	33,628	38,361	46,410	10,052	12,857	9,794	10,603
Terengganu	52,369	56,895	27,802	29,177	28,194	28,280	9,764	10,884	12,578	12,952
Kelantan	51,879	53,291	40,849	34,735	58,132	56,120	23,374	22,030	16,174	15,887
Sarawak	71,908	75,293	47,391	49,621	51,460	52,521	12,013	12,663	23,540	21,984
Sabah	60,128	66,093	48,560	46,712	54,118	61,354	27,589	28,079	32,038	31,289
WP Labuan	6,247	7,619	2,238	3,131	2,742	3,616	1,200	1,040	1,320	1,190
Sabah & WP Labuan	66,375	73,712	50,798	49,843	56,860	64,970	28,789	29,119	33,358	32,479

Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley. v

Table 3.8: Number of Specialist Clinic Visits (Paediatrics, Otorhinolaryngology (ENT), Ophthalmology, Psychiatry and Oncology) in Acute Curative Hospitals (Public Hospitals Only) in Malaysia by State, 2012-2013

State	Paediatric Clinic		ENT Clinic		Ophthalmology Clinic		Psychiatry Clinic		Oncology Clinic	
	2012	2013	2012	2013	2012	2013	2012	2013	2012	2013
Malaysia	559,992	572,681	569,828	608,986	989,885	1,017,084	569,442	549,657	138,194	13,1081
Perlis	8,201	7,999	7,752	8,321	12,033	12,485	8,380	8,026	0	0
Kedah	57,135	54,981	48,673	52,624	60,569	74,972	37,742	39,509	11,628	11,560
Kedah & Perlis	65,336	62,980	56,425	60,945	72,602	87,457	46,122	47,535	11,628	11,560
Pulau Pinang	25,701	25,882	50,917	54,498	76,309	75,577	28,831	28,404	10,274	10,598
Perak	61,407	60,456	55,813	57,191	111,652	118,631	74,152	87,489	3,126	2,666
Selangor	78,021	86,955	73,132	88,524	140,721	152,122	40,546	45,381	0	0
WP Putrajaya	10,064	12,005	10,298	10,634	14,140	14,430	3,370	3,026	0	0
WPKL	96,748	86,425	86,147	83,012	140,082	132,463	77,955	68,927	69,394	59,849
Selangor & WP Putrajaya & WPKL	184,833	185,385	169,577	182,170	294,943	299,015	121,871	117,334	69,394	59,849
Negeri Sembilan	18,484	19,038	17,402	17,775	48,339	49,978	22,155	21,688	0	0
Melaka	17,314	16,850	28,611	28,667	39,246	40,774	19,467	20,169	612	497
Johor	50,559	51,941	50,767	59,310	96,461	87,628	45,876	47,084	15,803	17,419
Pahang	23,972	27,670	23,687	26,587	36,619	42,950	69,371	44,563	443	539
Terengganu	15,749	16,111	16,435	16,466	26,829	28,390	69,461	61,484	0	0
Kelantan	28,264	29,653	37,696	37,172	53,982	53,227	31,045	28,579	7,666	8,227
Sarawak	34,847	37,839	32,157	36,800	67,847	69,932	26,714	28,643	14,261	14,497
Sabah	32,680	37,616	29,877	30,942	61,560	60,510	13,901	16,071	4,987	5,229
WP Labuan	846	1,260	464	463	3,496	3,015	476	614	0	0
Sabah & WP Labuan	33,526	38,876	30,341	31,405	65,056	63,525	14,377	16,685	4,987	5,229

Selangor & WP Putrajaya & WPKL are also collectively referred to as Klang Valley.