

Census Report 2014

Program Anestisiologi

Kementerian Kesihatan Malaysia

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CENSUS REPORT 2014

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Program Anestisiologi is responsible for the provision of three major services:

- (1) anaesthetic service in the operating theatre and in non-OT locations
- (2) care of the critically ill in the intensive care units and
- (3) pain management.

This report is a compilation of census on workload, manpower, facilities and key performance indicators.

SUMMARY

- 1. A total of 80 hospitals provided anaesthetic service in Ministry of Health; 47 with resident anaesthetists. (Table 1)
- 2. The total no. of anaesthetics administered was 387631, an increase of 8.24% over the previous year. Of this number, 57.6% were for emergency surgery. (Table 2)
- 3. Hospitals with the most number of anaesthetics administered were: Hospital Kuala Lumpur (25732), Hospital Ipoh (17196) and Hospital Alor Setar (16446) (Table 2)
- 4. General anaesthesia was the most common technique (55.8%) followed by spinal anaesthesia (37.2%), epidural (0.5%), combined spinal and epidural (2%) and plexus block (0.8%) (Table 1)
- 5. The percentage of anaesthetics for emergency surgery increased from 57.2% to 57.6% in 2014.

6. There were 10922 anaesthetics administered for day care surgery; 33.8% of anaesthetics for elective surgery. A total of 3402 anaesthetics were administered as day of surgery admissions, an increased of 61.1% from previous year. (Table 3)
7. 76.63% of all anaesthetics administered for LSCS were done as emergencies (Table 4) with the vast majority of them performed under spinal anaesthesia (88.4%); 8.6% of LSCS were done under general anaesthesia (Table 5)
8. A total of 114131 patients received post-operative pain management under the acute pain service; an increase of 29.3% over the previous year. 51% of patients had intra-thecal morphine, 20% patient controlled analgesia and 11% epidural analgesia. (Table 7)
9. A total of 5298 parturients received epidural analgesia during labour; an increase of 13.8% from the previous year. (Table 8)
10. The no. of patients who were seen at the anaesthetic clinics for preoperative assessment increased by 4.2% to 91258. (Table 9)
11. There were 52 general ICUs under Program Anestisiologi with a total admission of 40661, a reduced of 13.31% from previous year. (Table 10)
12. Across the board, high bed occupancy rates (BOR) were recorded in ICU reflecting a severe shortage of ICU beds in MOH hospitals. 18 ICUs had BOR of >100%. The recommended BOR for ICU is 75% (Table 10)
13. The total no. of patients admitted to the high dependency units were 7378, a reduce of 12.1% over the previous year. Hospitals with high HDU workload (patient days) were Hospital Sungai Buloh (Table 11)
14. There were 17 chronic pain clinics with a total of 12196 patient attendances, an increase of 13.3% from the previous year.
15. A total of 19244 patients were operated under the Saturday List programme in 32 hospitals, of

whom 16188 were done under general anaesthesia. This represented an increase of 154% from previous year. (Table 15)

16. All the output indicators continued to show upward trends in the last six years; when compared with 2013, the following increases were noted: no. of anaesthetics administered (↑ 8.24%), no. of anaesthetics for day care surgery (↑ 2.96%), no. of patients under acute pain service (↑ 16.17%), no. of attendance at anaesthetic clinic (↑ 4.27%), no. of ICU admission (↓ 13.31%), and no. of attendance at chronic pain clinic (↑13.38%). (Table 16)
17. As of 31st December 2014, there were 408 anaesthetists, 887 medical officers and 123 trainees in the Ministry of Health hospitals (Table 17, 18)
18. There were 360 assistant medical officers, 806 anaesthetic nurses and 2342 ICU nurses and 23 nurses in pain service and anaesthetic clinic giving a total nursing and allied health workforce of 3503 (Table 19)
19. As of December 2014, there were 64 subspecialists (21% of total workforce) and 25 specialist trainees under Program Anestisiologi. There were 12 cardiac anaesthetists, 12 paediatric anaesthetists, 5 neuro anaesthetists, 3 obstetric anaesthetists, 2 Transplant anaesthetists, 218 intensivists and 14 pain specialists (Table 19)
20. There were 682 ICU beds of which 613 were functional (90%).. There were 89 functional HDU beds from a total of 109 . (Table 20)
21. There were 449 functional operating theatres. (Table 20)
22. 48 hospitals submitted their mean KPI results. Most of the KPIs were within the national standards. (Table 21)

Table 1 : Anaesthetics administered according to techniques in KKM hospitals, 2014

No.	HOSPITAL	General Anaesthesia	Spinal Anaesthesia	Epidural Anaesthesia	Combined Spinal & Epidural (CSE)	Combined General & Regional Anaesthesia (CGRA)	Plexus Blockade	Others	TOTAL
	PERLIS								
1	Kangar	2654	1862	24	203	156	62	11	4972
	KEDAH								
2	Alor Setar	10737	4906	23	194	441	0	191	16492
3	Langkawi	969	810	8	25	66	9	34	1921
4	Sultan Abdul Halim, Sungai Petani	5083	5917	20	208	75	146	14	11463
5	Kulim	2107	1711	3	223	82	4	69	4199
	PULAU PINANG								
6	Pulau Pinang	9406	4230	63	30	164	13	108	14014
7	Seberang Jaya	2948	3433	20	65	0	111	3	6580
8	Bukit Mertajam	921	540	0	127	37	0	0	1625
9	Kepala Batas	161	47	0	13	3	2	0	226
	PERAK								
10	Ipoh	11407	5015	159	244	220	60	91	17196
11	Seri Manjung	1568	2212	5	55	17	74	23	3954
12	Teluk Intan	2969	2149	5	322	57	0	0	5502
13	Taiping	4963	4060	204	232	136	106	358	10059
14	Slim River	793	598	8	53	9	17	0	1478
	SELANGOR								
15	Tuanku Ampuan Rahimah, Kelang	7932	5248	84	263	88	106	26	13747
16	Ampang	2503	4136	29	219	238	200	61	7386
17	Serdang	6613	3472	32	128	17	138	22	10422
18	Selayang	6271	4463	149	805	655	235	114	12692
19	Sungai Buloh	7065	4822	26	163	118	14	6	12214
20	Kajang	2567	2102	10	63	97	39	18	4896
21	Banting	228	264	1	2	0	0	0	495
	WILAYAH PERSEKUTUAN								
22	Kuala Lumpur	18764	5698	261	176	278	96	459	25732
23	Putrajaya	3338	3411	119	382	7	10	3	7270
24	Labuan	360	431	0	0	8	0	0	799
	NEGERI SEMBILAN								
25	Tuanku Jaafar, Seremban	6228	3793	20	238	59	39	20	10397
26	Tuanku Ampuan Najihah, Kuala Pilah	1477	1348	10	94	42	55	51	3077
27	Port Dickson	238	363	5	23	89	3	12	733
	MELAKA								
28	Melaka	8405	5274	10	84	37	17	0	13827
	JOHOR								
29	Sultanah Aminah, JB	9304	5842	66	126	198	16	64	15616
30	Sultan Ismail, JB	5504	3513	32	423	192	21	65	9750
31	Muar	2266	2192	25	310	44	177	0	5014
32	Batu Pahat	2890	2094	1	208	49	39	4	5285
33	Segamat	1361	2020	0	82	78	96	76	3713
34	Kluang	1589	1484	2	61	72	10	0	3218
	PAHANG								
35	Tengku Ampuan Afzan, Kuantan	7044	4524	113	325	234	60	50	12350
36	Temerloh	3318	3168	6	42	35	12	0	6581
37	Kuala Lipis	684	1014	3	77	39	5	4	1826
	TERENGGANU								
38	Sultanah Nur Zahirah, Kuala Terengganu	6370	4714	63	276	259	96	81	11859
39	Kemaman	746	985	1	43	20	11	4	1810
	KELANTAN								
40	Raja Perempuan Zainab II, Kota Bharu	6762	4250	60	307	447	14	52	11892
41	Kuala Krai	949	1096	3	57	24	15	0	2144
42	Tanah Merah	681	1158	0	89	19	30	0	1977

No.	HOSPITAL	General Anaesthesia	Spinal Anaesthesia	Epidural Anaesthesia	Combined Spinal & Epidural (CSE)	Combined General & Regional Anaesthesia (CGRA)	Plexus Blockade	Others	TOTAL
	SARAWAK								
43	Umum Sarawak	9287	4585	26	302	187	70	96	14553
44	Sibu	3418	3099	45	37	28	223	142	6992
45	Miri	2602	1710	19	62	97	45	9	4544
46	Bintulu	1061	1065	23	26	11	62	16	2264
47	Sarikei	449	334	0	22	67	64	2	938
48	Kapit	83	96	0	0	0	0	49	228
49	Serian	98	323	0	0	0	0	72	493
50	Bau	41	1	0	0	0	0	0	42
51	Lundu	14	67	0	0	0	0	144	225
52	Simunjan	3	31	0	0	0	0	0	34
53	Sri Aman	47	93	0	0	0	0	0	140
54	Betong	28	42	0	0	0	0	228	298
55	Saratok	36	1	0	0	0	0	2	39
56	Mukah	82	42	0	0	0	0	94	218
57	Daro	7	1	0	0	0	0	0	8
58	Kanowit	1	5	0	0	0	0	112	118
59	Lawas	77	19	0	0	0	0	48	144
60	Limbang	49	298	0	0	0	0	444	791
61	Marudi	16	63	0	0	0	0	21	100
	SABAH								
62	Queen Elizabeth	1220	0	28	0	1	0	125	1374
	Queen Elizabeth II	6334	1604	17	151	21	8	798	8933
63	Duchess Of Kent	2659	2361	25	25	28	109	9	5216
64	Likas	5159	3184	128	6	295	162	249	9183
65	Keningau	1071	883	14	33	85	97	7	2190
66	Tawau	2359	2590	10	36	66	20	397	5478
67	Kudat	152	56	0	0	12	0	103	323
68	Kota Marudu	76	13	0	0	0	0	122	211
69	Kota Belud	70	58	0	0	0	0	167	295
70	Mesra, Bukit Padang	593	0	0	0	0	0	0	593
71	Beaufort	128	243	0	0	0	0	89	460
72	Sipitang	19	0	0	0	0	0	51	70
73	Tambunan	1	6	0	0	0	0	213	220
74	Ranau	182	36	0	0	0	0	1893	2111
75	Beluran	1	23	0	0	0	0	141	165
76	Pitas	55	0	0	0	0	0	26	81
77	Lahad datu	772	1059	5	0	39	0	152	2027
78	Kunak	27	8	0	0	0	0	0	35
79	Semporna	1	0	0	0	0	0	43	44
80	Kuala Penyu	5	6	0	0	0	0	39	50
	TOTAL	216426	144374	2013	7760	5843	3018	8197	387631

Table 2 : Anaesthetics and nature of surgery in KKM hospitals, 2014

No.	HOSPITAL	Elective Surgery	Emergency Surgery		TOTAL
	PERLIS			(%)	
1	Kangar	2062	2910	58.5%	4972
	KEDAH				
2	Alor Setar	6757	9689	58.9%	16446
3	Langkawi	590	1360	69.7%	1950
4	Sultan Abdul Halim,Sungai Petani	3881	7582	66.1%	11463
5	Kulim	1553	2646	63.0%	4199
	PULAU PINANG				
6	Pulau Pinang	7218	6796	48.5%	14014
7	Seberang Jaya	1913	4667	70.9%	6580
8	Bukit Mertajam	1443	182	11.2%	1625
9	Kepala Batas	226	0	0.0%	226
	PERAK				
10	Ipoh	7234	9962	57.9%	17196
11	Seri Manjung	1131	2823	71.4%	3954
12	Teluk Intan	2218	3284	59.7%	5502
13	Taiping	3809	6250	62.1%	10059
14	Slim River	752	726	49.1%	1478
	SELANGOR				
15	Tuanku Ampuan Rahimah, Kelang	6094	7653	55.7%	13747
16	Ampang	2737	3914	58.8%	6651
17	Serdang	4991	5427	52.1%	10418
18	Selayang	6644	6048	47.7%	12692
19	Sungai Buloh	4902	7312	59.9%	12214
20	Kajang	1289	3607	73.7%	4896
21	Banting	254	241	48.7%	495
	WILAYAH PERSEKUTUAN				
22	Kuala Lumpur	14028	11704	45.5%	25732
23	Putrajaya	3767	3503	48.2%	7270
24	Labuan	266	533	66.7%	799
	NEGERI SEMBILAN				
25	Tuanku Jaafar, Seremban	4938	5459	52.5%	10397
26	Tuanku Ampuan Najihah, Kuala Pilah	1067	2010	65.3%	3077
27	Port Dickson	310	423	57.7%	733
	MELAKA				
28	Melaka	5516	8363	60.3%	13879
	JOHOR				
29	Sultanah Aminah, JB	4999	10618	68.0%	15617
30	Sultan Ismail, JB	3696	6054	62.1%	9750
31	Muar	1591	3423	68.3%	5014
32	Batu Pahat	1850	3435	65.0%	5285
33	Segamat	1297	2416	65.1%	3713
34	Kluang	1091	2127	66.1%	3218
	PAHANG				
35	Tengku Ampuan Afzan, Kuantan	5560	6791	55.0%	12351
36	Temerloh	2739	3842	58.4%	6581
37	Kuala Lipis	498	1328	72.7%	1826
	TERENGGANU				
38	Sultanah Nur Zahirah, Kuala Terengganu	5065	6794	57.3%	11859
39	Kemaman	672	1138	62.9%	1810
	KELANTAN				
40	Raja Perempuan Zainab II, Kota Bharu	4730	5986	55.9%	10716
41	Kuala Krai	800	1344	62.7%	2144
42	Tanah Merah	597	1380	69.8%	1977

No.	HOSPITAL	Elective Surgery	Emergency Surgery	TOTAL
	SARAWAK			
43	Umum Sarawak	6692	7861	14553
44	Sibu	3468	3524	6992
45	Miri	1648	2896	4544
46	Bintulu	777	1487	2264
47	Sarikei	412	526	938
48	Kapit	102	126	228
49	Serian	217	276	493
50	Bau	22	20	42
51	Lundu	166	59	225
52	Simunjan	19	15	34
53	Sri Aman	76	64	140
54	Betong	251	47	298
55	Saratok	19	20	39
56	Mukah	128	90	218
57	Daro	1	7	8
58	Kanowit	117	1	118
59	Lawas	60	84	144
60	Limbang	539	252	791
61	Marudi	58	42	100
	SABAH			
62	Queen Elizabeth	979	395	1374
	Queen Elizabeth II	4489	4160	8649
63	Duchess Of Kent	1812	3404	5216
64	Likas	3661	5522	9183
65	Keningau	731	1459	2190
66	Tawau	1449	4029	5478
67	Kudat	172	151	323
68	Kota Marudu	98	113	211
69	Kota Belud	148	147	295
70	Mesra, Bukit Padang	593	0	593
71	Beaufort	226	234	460
72	Sipitang	4	66	70
73	Tambunan	43	177	220
74	Ranau	670	1471	2141
75	Beluran	138	27	165
76	Pitas	35	46	81
77	Lahad datu	516	1511	2027
78	Kunak	23	12	35
79	Semporna	25	19	44
80	Kuala Penyu	1	49	50
	TOTAL	163359	222139	385449

Table 3 : Anaesthetics for Day Care Surgery and Day of Surgery Admissions in KKM hospitals, 2014

No.	HOSPITAL	Day Care Surgery	Day Of Surgery Admissions
	PERLIS		
1	Kangar	30	2
	KEDAH		
2	Alor Setar	1210	0
3	Sungai Petani	185	0
4	Kulim	52	0
	PULAU PINANG		
5	Pulau Pinang	303	1421
6	Kepala Batas	1	
	PERAK		
7	Ipoh	1959	1354
8	Seri Manjung	89	44
9	Teluk Intan	24	26
10	Slim River	31	3
	SELANGOR		
11	Tuanku Ampuan Rahimah, Kelang	710	349
12	Ampang	217	0
13	Serdang	891	0
14	Selayang	480	15
15	Sungai Buloh	182	13
16	Banting	64	0
	WILAYAH PERSEKUTUAN		
17	Kuala Lumpur	289	6
18	Putrajaya	583	17
	NEGERI SEMBILAN		
19	Seremban	593	22
	MELAKA		
20	Melaka	324	0
	PAHANG		
21	Tengku Ampuan Afzan, Kuantan	783	28
22	Temerloh	178	0
	TERENGGANU		
23	Sultanah Nur Zahirah, Kuala Terengganu	333	34
24	Temerloh	178	0
	SARAWAK		
25	Umum Sarawak	264	34
	SABAH		
26	Tawau	251	0
27	Likas	718	34
	TOTAL	10922	3402

Table 4 : Anaesthetic for LSCS and nature of surgery in KKM hospitals, 2014

No.	HOSPITAL	Elective LSCS	Emergency LSCS	TOTAL
	PERLIS			
1	Kangar	241	879	1120
	KEDAH			
2	Alor Setar	794	2273	3067
3	Langkawi	92	304	396
4	Sultan Abdul Halim,Sungai Petani	125	3249	3374
5	Kulim	308	841	1149
	PULAU PINANG			
6	Pulau Pinang	438	1073	1511
7	Seberang Jaya	501	1600	2101
8	Bukit Mertajam	31	0	31
	PERAK			
9	Ipoh	879	2078	2957
10	Seri Manjung	295	856	1151
11	Teluk Intan	274	948	1222
12	Taiping	842	1221	2063
13	Slim River	98	225	323
	SELANGOR			
14	Tuanku Ampuan Rahimah, Kelang	797	2581	3378
15	Ampang	532	1839	2371
16	Serdang	535	1695	2230
17	Selayang	667	2191	2858
18	Sungai Buloh	878	2296	3174
19	Kajang	153	1110	1263
20	Banting	66	63	129
	WILAYAH PERSEKUTUAN			
21	Kuala Lumpur	1012	3348	4360
22	Putrajaya	834	1633	2467
23	Labuan	58	253	311
	NEGERI SEMBILAN			
24	Tuanku Jaafar, Seremban	871	1844	2715
25	Tuanku Ampuan Najihah, Kuala Pilah	176	493	669
26	Port Dickson	85	122	207
	MELAKA			
27	Melaka	911	2234	3145
	JOHOR			
28	Sultanah Aminah, JB	717	3108	3825
29	Sultan Ismail, JB	395	1554	1949
30	Muar	265	889	1154
31	Batu Pahat	276	801	1077
32	Segamat	120	531	651
33	Kluang	198	576	774
	PAHANG			
34	Tengku Ampuan Afzan, Kuantan	740	2255	2995
35	Temerloh	601	1517	2118
36	Kuala Lipis	78	450	528
	TERENGGANU			
37	Sultanah Nur Zahirah, Kuala Terengganu	610	2100	2710
38	Kemaman	137	321	458
	KELANTAN			
39	Raja Perempuan Zainab II, Kota Bharu	592	2293	2885
40	Kuala Krai	93	484	577
41	Tanah Merah	189	505	694

No.	HOSPITAL	Elective LSCS	Emergency LSCS	TOTAL
	SARAWAK			
42	Umum Sarawak	862	2065	2927
43	Sibu	224	1147	1371
44	Miri	222	625	847
45	Bintulu	63	543	606
46	Sarikei	0	36	36
47	Kapit	3	63	66
48	Serian	28	140	168
49	Bau	0	6	6
50	Lundu	0	18	18
51	Simunjan	0	13	13
52	Sri Aman	9	42	51
53	Betong	0	24	24
54	Saratok	1	6	7
55	Mukah	0	30	30
56	Daro	0	0	0
57	Kanowit	0	1	1
58	Lawas	3	39	42
59	Limbang	60	126	186
60	Marudi	3	15	18
	SABAH			
61	Duchess Of Kent	329	1406	1735
62	Likas	760	3118	3878
63	Keningau	113	462	575
64	Tawau	177	1661	1838
65	Kudat	8	69	77
66	Kota Marudu	7	37	44
67	Kota Belud	2	98	100
68	Beaufort	14	164	178
69	Sipitang	1	12	13
70	Kunak	3	5	8
71	Ranau	5	108	113
72	Lahad Datu	150	696	846
73	Pitas	6	42	48
74	Kuala Penyu	1	6	7
	TOTAL	20551	67408	87959

Table 5 : Anaesthetics for LSCS and techniques of anaesthesia in KKM hospitals, 2014

No.	HOSPITAL	General Anaesthesia	Spinal Anaesthesia	Epidural Anaesthesia	CSE	Others	TOTAL
	PERLIS						
1	Kangar	90	995	6	24	5	1120
	KEDAH						
2	Alor Setar	290	2765	10	2	0	3067
3	Langkawi	18	365	9	0	4	396
4	Sultan Abdul Halim,Sungai Petani	123	3245	4	2	0	3374
5	Kulim	65	1016	0	68	0	1149
	PULAU PINANG						
6	Pulau Pinang	71	1334	59	14	33	1511
7	Seberang Jaya	113	1988	0	0	0	2101
8	Bukit Mertajam	1	30	0	0	0	31
	PERAK						
9	Ipoh	193	2579	150	13	22	2957
10	Seri Manjung	48	1102	0	1	0	1151
11	Teluk Intan	71	1050	2	77	22	1222
12	Taiping	104	1917	7	25	27	2080
13	Slim River	50	273	0	0	0	323
	SELANGOR						
14	Tuanku Ampuan Rahimah, Kelang	127	3163	62	26	0	3378
15	Ampang	42	2298	25	2	4	2371
16	Serdang	163	2038	14	15	0	2230
17	Selayang	129	2258	136	332	3	2858
18	Sungai Buloh	228	2913	17	16	0	3174
19	Kajang	90	995	6	24	5	1120
20	Banting	5	123	0	1	0	129
	WILAYAH PERSEKUTUAN						
21	Kuala Lumpur	478	3469	220	132	61	4360
22	Putrajaya	103	2088	108	162	6	2467
23	Labuan	25	286	0	0	0	311
	NEGERI SEMBILAN						
24	Tuanku Jaafar, Seremban	279	2404	7	6	19	2715
25	Tuanku Ampuan Najihah, Kuala Pilah	30	619	4	3	13	669
26	Port Dickson	6	178	5	18	0	207
	MELAKA						
27	Melaka	274	2870	0	1	0	3145
	JOHOR						
28	Sultanah Aminah, JB	368	3420	37	0	0	3825
29	Sultan Ismail, JB	210	1695	34	4	6	1949
30	Muar	48	1037	20	49	0	1154
31	Batu Pahat	128	911	0	38	0	1077
32	Segamat	20	631	0	0	0	651
33	Kluang	71	684	1	2	16	774
	PAHANG						
34	Tengku Ampuan Afzan, Kuantan	300	2664	28	3	0	2995
35	Temerloh	161	1956	0	1	0	2118
36	Kuala Lipis	42	486	0	0	0	528
	TERENGGANU						
37	Sultanah Nur Zahirah, Kuala Terengganu	181	2404	35	44	46	2710
38	Kemaman	28	426	1	1	2	458
	KELANTAN						
39	Raja Perempuan Zainab II, Kota Bharu	270	2547	35	20	13	2885
40	Kuala Krai	35	542	0	0	0	577
41	Tanah Merah	87	607	0	0	0	694

No.	HOSPITAL	General Anaesthesia	Spinal Anaesthesia	Epidural Anaesthesia	CSE	Others	TOTAL
	SARAWAK						
42	Umum Sarawak	407	2456	21	32	11	2927
43	Sibu	52	1319	0	0	0	1371
44	Miri	109	718	17	3	0	847
45	Bintulu	29	576	1	0	0	606
46	Sarikei	8	28				36
47	Kapit	14	52				66
48	Serian	6	162				168
49	Bau	5	1				6
50	Lundu	2	16				18
51	Simunjan	1	12				13
52	Sri Aman	12	39				51
53	Betong	3	21				24
54	Saratok	6	1				7
55	Mukah	5	25				30
56	Daro	0	0				0
57	Kanowit	0	1				1
58	Lawas	38	4				42
59	Limbang	2	184				186
60	Marudi	2	16				18
	SABAH						
61	Duchess Of Kent	174	1539	3	19	0	1735
62	Likas	849	2997	32	0	0	3878
63	Keningau	49	508	6	1	11	575
64	Tawau	209	1628	1	0	0	1838
65	Kudat	64	13	0	0	0	77
66	Kota Marudu	43	1	0	0	0	44
67	Kota Belud	45	55	0	0	0	100
68	Beaufort	17	161	0	0	0	178
69	Sipitang	13	0	0	0	0	13
70	Kunak	0	8	0	0	0	8
71	Ranau	94	19	0	0	0	113
72	Lahad Datu	94	749	3	0	0	846
73	Pitas	48	0	0	0	0	48
74	Kuala Penyu	1	6	0	0	0	7
	TOTAL	7566	77686	1126	1181	329	87888

Table 6 : No. Of Cases Under Regional Anaesthesia And Analgesia in KKM hospitals, 2014

BIL	HOSPITAL	Total Number of Nerve Blocks		No. of Nerve Blocks for anaesthesia	No. of Nerve Blocks for analgesia	Number of Upper Limb Blocks		Number of Lower Limb Blocks		Number of Trunk Blocks				Total
		Done with ultrasound	Done with nerve stimulator			Done with ultrasound	Done with nerve stimulator	Done with ultrasound	Done with nerve stimulator	Paravertebral	Lumbar Plexus	TAP Blocks	Others	
	PERLIS													
1	Kangar	81	9	90	53	65	2	27	7	4	0	1	20	143
	KEDAH													
2	Alor Setar	16	35	51	0	28	0	20	0	0	0	3	0	51
3	Langkawi	2	3	6	6	2	3	0	0	0	2	0	1	12
4	Sultan Abdul Halim, Sungai Petani	146	146	146	0	108	108	38	38	0	0	0	0	146
	PULAU PINANG													
5	Pulau Pinang	87	0	87	0	45	0	39	0	0	0	3	0	87
6	Seberang Jaya	111	0	111	0	0	76	35	0	0	0	0	0	111
	PERAK													
7	Ipoh	74	2	62	32	65	2	9	0	0	1	1	0	94
8	Seri Manjung	31	7	38	0	31	3	0	4	0	0	0	0	38
9	Slim River	14	0	11	3	10	0	4	0	0	0	0	0	14
	SELANGOR													
10	TuanKu Ampuan Rahimah, Kelang	86	135	0	0	68	34	12	12	0	0	121	0	0
11	Serdang	125	191	188	3	53	54	74	135	0	0	2	0	191
12	Selayang	315	0	235	80	177	0	138	0	0	0	16	0	315
13	Sungai Buloh	14	0	12	2	5	0	9	0	0	2	2	0	14
14	Kajang	51	3	38	16	51	2	0	1	0	0	0	0	54
	WILAYAH PERSEKUTUAN													
15	Kuala Lumpur	444	6	191	367	166	1	190	4	21	0	50	17	558
16	Putrajaya	7	3	2	5	5	1	2	2	0	0	0	0	7
	NEGERI SEMBILAN													
17	TuanKu Jaafar, Seremban	46	31	38	44	33	17	16	12	0	9	1	0	82
18	TuanKu Ampuan Najihah, Kuala Pilah	87		74	13	60		19				4	4	87
19	Port Dickson	81	0	7	74	29	0	5	0	0	0	40	7	81
	MELAKA													
20	Melaka	26	72	25	73	36		36		0	0	6	20	98
	JOHOR													
21	Sultan Ismail, JB	109	0	31	78	46	0	38	0	0	0	18	7	109
22	Muar	205	0	194	95	148	0	44	0	0	0	32	2	289
23	Batu Pahat	40	0	40	0	19	0	16	0	0	0	5	0	40
24	Segamat													0
25	Kluang	4	5	5	0	3	3	1	2	0	0	0	3	5
	PAHANG													
26	Tengku Ampuan Afzan, Kuantan	121	63	172	12	86	31	28	30	0	0	7	24	184
27	Temerloh	4	8	12	0	4	6	0	2	0	0	0	0	12
28	Kuala Lipis	2	3	2	3	1	2	0	0	0	0	2	0	5
	TERENGGANU													
29	Sultanah Nur Zahirah, Kuala Terengganu	198	41	83	156	141	6	10	21	0	0	27	34	239
30	Kemaman	0	6	6	0	0	2	0	4	1	0	0	0	6
	KELANTAN													
31	Raja Perempuan Zainab II, Kota Bharu	311	37	131	180	69	13	42	24	0	0	103	60	311
32	Tanah Merah	0	30	30	0	0	29	0	1	0	0	0	0	30
	SARAWAK													
33	Umum Sarawak	217	99	290	113	125	53	48	36	1	0	56	84	403
34	Sibu	152	94	227	19	150	83	2	11	0	0	0	0	246
35	Miri	25	12	44	8	10	6	15	6	0	0	0	0	52
36	Bintulu	108	2	104	22	104	2	0	0	0	0	10	6	126
37	Sarikei	0	109	65	44	0	66	0	30	0	0	5	8	109
	TOTAL	502	207	665	162	389	1925	65	53	1	0	71	98	3791

Table 7 : Acute pain service and techniques of pain control in KKM hospitals, 2014

No.	HOSPITAL	Patient Controlled Analgesia (IV)	Epidural Analgesia	Intra-thecal Opioid	Nerve / Plexus Infusion	S/C Morphine	Morphine Infusion	Others*	TOTAL
	PERLIS								
1	Kangar	151	345	798	138	65	3	3	1503
	KEDAH								
2	Alor Setar	1014	584	1394	51	0	57	38	3138
3	Langkawi	92	70	199	0	0	0	5	366
4	Sultan Abdul Halim, Sungai Petani	367	177	3216	0	0	0	0	3760
5	Kulim	59	59	458	0	0	0	0	576
	PULAU PINANG								
6	Pulau Pinang	1118	509	200	87	67	1259	56	3296
7	Seberang Jaya	395	193	898	259	33	0	0	1778
8	Bukit Mertajam	54	153	124	0	4	0	28	363
9	Kepala Batas	4	16	16	5	15	0	13	69
	PERAK								
10	Ipoh	942	217	2709	94	0	81	119	4162
11	Seri Manjung	195	77	311	0	1	3	0	587
12	Teluk Intan	270	180	995	0	0	13	15	1473
13	Taiping	221	460	2021	0	0	20	0	2722
14	Slim River	51	66	46	16	3	0	0	182
	SELANGOR								
15	Tuanku Ampuan Rahimah, Kelang	983	327	2977	0	0	0	0	4287
16	Ampang	230	406	1330	255	58	0	0	2279
17	Serdang	548	227	1235	116	134	0	0	2260
18	Selayang	981	1442	2669	315	9	8	201	5625
19	Sungai Buloh	992	230	2322	10	229	0	31	3814
20	Kajang	112	105	594	54	98	0	26	989
	WILAYAH PERSEKUTUAN								
21	Kuala Lumpur	2699	414	2996	61	139	0	440	6749
22	Putrajaya	523	262	1908	7	0	0	35	2735
23	Labuan	0	8	306	0	33	0	0	347
	NEGERI SEMBILAN								
24	Tuanku Jaafar, Seremban	799	242	1041	69	10	13	2218	4392
25	Tuanku Ampuan Najihah, Kuala Pilah	127	129	425	87	60	0	0	828
26	Port Dickson	25	40	140	81	0	0	0	286
	MELAKA								
27	Melaka	1398	53	2942	78	2082	117	0	6670
	JOHOR								
28	Sultanah Aminah, JB	1034	398	3286	24	567	28	77	5414
29	Sultan Ismail, JB	1031	620	2226	113	147	0	854	4991
30	Muar	315	410	389	293	128	10	140	1685
31	Batu Pahat	346	140	0	0	7	0	856	1349
32	Segamat	128	132	151	100	88	0	9	608
33	Kluang	178	77	690	24	75	0	17	1061

No.	HOSPITAL	Patient Controlled Analgesia (IV)	Epidural Analgesia	Intra-thecal Opiod	Nerve / Plexus Infusion	S/C Morphine	Morphine Infusion	Others*	TOTAL
	PAHANG								
34	Tengku Ampuan Afzan, Kuantan	450	554	2477	151	194	30	0	3856
35	Temerloh	970	84	1591	0	0	1	145	2791
36	Kuala Lipis	120	88	396	5	4	56	0	669
	TERENGGANU								
37	Sultanah Nur Zahirah, Kuala Terengganu	1024	519	2378	211	26	24	265	4447
38	Kemaman	73	58	810	0	33	3	21	998
	KELANTAN								
39	Raja Perempuan Zainab II, Kota Bharu	258	646	2639	12	287	979	230	5051
40	Kuala Krai	25	98	574	0	39	183	26	945
41	Tanah Merah	2	100	607	30	61	69	1	870
	SARAWAK								
42	Umum Sarawak	1341	753	232	2	13	524	526	3391
43	Sibu	260	62	347	0	56	2	26	753
44	Miri	250	184	713	52	204	23	2	1428
45	Bintulu	53	80	119	1	108	87	0	448
	Sarikei	31	43	41	0	2	2	0	119
	SABAH								
46	Queen Elizabeth II	443	434	8	0	9	26	434	1354
47	Duchess Of Kent	271	117	641	129	1	0	6	1165
48	Keningau	0	74	368	97	112	9	2	662
49	Likas	180	295	2997	669	0	31	0	4172
50	Tawau	136	75	276	31	140	0	10	668
	TOTAL	23269	13032	58226	3727	5341	3661	6875	114131

* Epidural Analgesia (infusion or patient controlled, lumbar and caudal

* Others (e.g s/c morphine)

* Excludes patients not on APS follow up

Table 8 : Obstetric Analgesia Service, KKM 2014

No.	HOSPITAL	Epidural Analgesia For Labour
	PERLIS	
1	Kangar	21
	KEDAH	
2	Alor Setar	160
3	Langkawi	24
4	Sultan Abdul Halim,Sungai Petani	20
5	Kulim	6
	PULAU PINANG	
6	Pulau Pinang	173
	PERAK	
7	Ipoh	613
8	Seri Manjung	2
9	Teluk Intan	4
10	Taiping	7
	SELANGOR	
11	Tuanku Ampuan Rahimah, Kelang	317
12	Ampang	279
13	Serdang	57
14	Selayang	381
15	Sungai Buloh	147
16	Kajang	46
	WILAYAH PERSEKUTUAN	
17	Kuala Lumpur	672
18	Putrajaya	1067
	NEGERI SEMBILAN	
19	Tuanku Jaafar, Seremban	7
20	Tuanku Ampuan Najihah, Kuala Pilah	5
21	Port Dickson	25
	MELAKA	
22	Melaka	33
	JOHOR	
23	Sultanah Aminah, JB	158
24	Sultan Ismail, JB	119
25	Muar	90
26	Batu Pahat	18
27	Segamat	1
	PAHANG	
28	Tengku Ampuan Afzan, Kuantan	67
29	Temerloh	4
	TERENGGANU	
30	Sultanah Nur Zahirah, Kuala Terengganu	253
31	Kemaman	9
	KELANTAN	
32	Raja Perempuan Zainab II, Kota Bharu	35
33	Kuala Krai	4
	SARAWAK	
34	Umum Sarawak	238
35	Miri	80
	SABAH	
36	Likas	156
	TOTAL	5298

Table 9 : No. of attendances at Anaesthetic Clinic in KKM hospitals, 2014

No.	HOSPITAL	No. Of Patient Seen In Clinic
	PERLIS	
1	Kangar	1431
	KEDAH	
2	Alor Setar	2045
3	Langkawi	40
4	Sultan Abdul Halim,Sungai Petani	505
5	Kulim	6
	PULAU PINANG	
6	Pulau Pinang	173
7	Seberang jaya	2219
	PERAK	
8	Ipoh	5066
9	Seri Manjung	519
10	Teluk Intan	1586
11	Taiping	1134
12	Slim River	285
	SELANGOR	
13	Tuanku Ampuan Rahimah, Kelang	3733
14	Ampang	2486
15	Serdang	1952
16	Selayang	3878
17	Sungai Buloh	2157
18	Kajang	517
	WILAYAH PERSEKUTUAN	
19	Kuala Lumpur	8591
20	Putrajaya	2383
	NEGERI SEMBILAN	
21	Tuanku Jaafar, Seremban	4387
22	Tuanku Ampuan Najihah, Kuala Pilah	611
23	Port Dickson	222
	MELAKA	
24	Melaka	7009

No.	HOSPITAL	No. Of Patient Seen In Clinic
	JOHOR	
25	Sultanah Aminah, JB	8151
26	Sultan Ismail, JB	7887
27	Muar	1408
28	Batu Pahat	3643
29	Segamat	59
30	Kluang	833
	PAHANG	
30	Tengku Ampuan Afzan, Kuantan	2908
31	Temerloh	1825
32	Kuala Lipis	184
	TERENGGANU	
33	Sultanah Nur Zahirah, Kuala Terengganu	3088
34	Kemaman	124
	KELANTAN	
35	Raja Perempuan Zainab II, Kota Bharu	1630
36	Kuala Krai	178
37	Tanah Merah	379
	SARAWAK	
38	Umum Sarawak	2996
39	Sibu	1295
40	Miri	718
41	Sarikei	332
	SABAH	
42	Queen Elizabeth	2116
43	Duchess Of Kent	797
44	Keningau	691
45	Tawau	820
46	Likas	558
	Total	91258

Table 10 : Admissions, patient days and bed-occupancy rates in ICU KKM hospitals, 2014

No.	HOSPITAL	No. Of Admissions	Patients Days	Bed Occupancy Rate
	PERLIS			
1	Kangar	357	1613.00	80.75%
	KEDAH			
2	Alor Setar	751	3243.00	88.84%
3	Langkawi	200	955.00	59.10%
4	Sultan Abdul Halim, Sungai Petani	1028	13.23	82.72%
5	Kulim	602	2559.00	100.16%
	PULAU PINANG			
6	Pulau Pinang	1205	6948.00	79.55%
7	Seberang Jaya	557	2968.00	81.31%
8	Bukit Mertajam	406	5.70	100.89%
9	Kepala Batas	225	17.55	83.76%
	PERAK			
10	Ipoh	1337	7.20	109.00%
11	Seri Manjung	455	3.40	92.40%
12	Teluk Intan	432	1732.00	114.00%
13	Taiping	1254	5942.00	81.39%
14	Slim River	329	2027.00	79.33%
	SELANGOR			
15	Tuanku Ampuan Rahimah, Kelang	2379	7.11	112.89%
16	Ampang	265	1086.00	74.40%
17	Serdang	861	4.82	85.70%
18	Selayang	1537	8438.00	92.70%
19	Sungai Buloh	1199	5861.00	115.68%
20	Kajang	492	1849.00	84.20%
21	Banting	401	1272.00	97.52%
	WILAYAH PERSEKUTUAN			
22	Kuala Lumpur (GICU)	2264	11297.36	114.06%
	Kuala Lumpur (PICU)	509	4581.00	73.00%
23	Putrajaya	755	4.05	84.68%
24	Labuan	186	831.00	45.50%
	NEGERI SEMBILAN			
25	Tuanku Jaafar, Seremban	559	2727.00	111.74%
26	Tuanku Ampuan Najihah, Kuala Pilah	541	2679.00	91.70%
27	Port Dickson	286	3.70	86.00%
	MELAKA			
28	Melaka	1510	19.90	90.66%
	JOHOR			
29	Sultanah Aminah, JB	1768	4.80	108.99%
30	Sultan Ismail, JB	1191	5.50	85.10%
31	Muar	652	3.20	94.20%
32	Batu Pahat	472	5.00	74.80%
33	Segamat	746	3.03	34.00%
34	Kluang	251	20.10	68.60%

No.	HOSPITAL	No. Of Admissions	Patients Days	Bed Occupancy Rate
	PAHANG			
35	Tengku Ampuan Afzan, Kuantan	639	13.21	110.30%
36	Temerloh	920	5.53	88.80%
37	Kuala Lipis	149	43.00	54.20%
	TERENGGANU			
38	Sultanah Nur Zahirah, Kuala Terengganu	1296	2.00	94.20%
	KELANTAN			
39	Raja Perempuan Zainab II, Kota Bharu	1596	1095.15	133.54%
40	Kuala Krai	254	4.00	87.10%
41	Tanah Merah	185	3.59	113.20%
	SARAWAK			
42	Umum Sarawak	1223	4352.00	107.63%
43	Sibu	1675	6840.00	144.02%
44	Miri	549	2388.00	101.32%
45	Bintulu	337	1302.00	59.70%
46	Sarikei	154	554.00	90.67%
	SABAH			
47	Queen Elizabeth	383	2973.00	101.80%
	Queen Elizabeth II	653	3981.00	77.90%
48	Duchess Of Kent	1052	4802.00	82.22%
49	Likas	589	2342.00	103.40%
50	Keningau	255	1172.00	80.30%
51	Tawau	530	2295.00	78.18%
52	Lahad datu	260	1505.00	103.10%
TOTAL		40661	104409.13	90.20%

Table 11 : Admissions, patient days and bed-occupancy rates in HDU / PACU in KKM hospitals, 2014

No.	HOSPITAL	No. Of Admissions	Patients Days	Bed Occupancy Rate
	PERLIS			
1	Kangar	209	1049	80.75%
	KEDAH			
2	Alor Setar	704	4220	82.60%
	PULAU PINANG			
3	Pulau Pinang	372	4.52	79.55%
	PERAK			
4	Ipoh	922	8	55.79%
	SELANGOR			
5	Ampang	265	1086	74.40%
6	Serdang	861	5	85.70%
7	Sungai Buloh	1350	6485	106.62%
	NEGERI SEMBILAN			
8	Tuanku Jaafar, Seremban	354	1516	103.80%
	Melaka			
9	Melaka	327	1	40.30%
	JOHOR			
10	Muar	401	2	25.10%
11	Segamat	746	3	34.00%
	PAHANG			
12	Tengku Ampuan Afzan, Kuantan	563	6	102.70%
	TERENGGANU			
13	Kemaman	122	451	66.80%
	SARAWAK			
14	Umum Sarawak	182	37	25.60%
	SABAH			
15	Queen Elizabeth II	531	3329	96.60%
TOTAL		7378	14874	

Table 12 : Pain Management Services in KKM Hospital (excluding APS and OAS),2014

No.	HOSPITAL	Total No. Of Patients Seen In Pain Clinic	Total No. Of New Cases Seen In Pain Clinic	Total No. Of Follow Up Cases Seen In Clinic	No. Of Ward Referrals (Chronic non cancer pain)	No. Of Ward Referrals (cancer pain)	No. Of Ward Referrals (acute pain)	No. Of Procedures Done in clinic/ward (excluding Acupuncture)	No. Of Procedures Done In OT	No. Of Acupuncture Session
	KEDAH									
1	Alor Setar	279	50	0	61	0	0	3	0	0
	PULAU PINANG									
2	Pulau Pinang	1486	185	1301	25	13	14	7	10	430
	PERAK									
3	Ipoh	1578	95	1483	21	4	82	33	33	1688
	SELANGOR									
4	Tuanku Ampuan Rahimah, Kelang	974	121	853	10	2	4659	47	69	0
5	Selayang	2015	239	0	382	0	0	0	0	0
6	Sungai Buloh	57	16	41	13	19	3	1	0	0
	WILAYAH PERSEKUTUAN									
7	Kuala Lumpur	1044	170	874	126	4	39	3	18	95
	NEGERI SEMBILAN									
8	Tuanku Jaafar, Seremban	414	37	377	5	16	0	12	0	0
	MELAKA									
9	Melaka	1249	134	1115	73	68	250	4	8	0
	JOHOR									
10	Sultanah Aminah, JB	400	82	318	13	0	0	1	4	0
11	Sultan Ismail, JB	1237	0	0	0	0	0	0	0	0
	PAHANG									
12	Tengku Ampuan Afzan, Kuantan	336	82	254	3	2	0	0	46	0
	TERENGGANU									
13	Sultanah Nur Zahirah, Kuala Terengganu	568	96	443	79	30	87	29	30	6
	KELANTAN									
14	Raja Perempuan Zainab II, Kota Bharu	558	48	510	28	36	264	36	176	0
15	Kuala Krai	1	1	0	0	0	0	0	0	0
	SARAWAK									
16	Umum Sarawak	296	72	224	8	5	14	12	20	0
17	Miri	11	1	10	7	4	0	0	0	0
	TOTAL	12196	1356	7569	839	194	5398	176	394	2219

Table 13: No. of anaesthetics administered in KKM hospitals, 2010 – 2014

No.	HOSPITAL	2010	2011	2012	2013	2014
	PERLIS					
1	Kangar	4259	4447	4675	4575	4972
	KEDAH					
2	Alor Setar	13705	14300	16360	16330	16492
3	Langkawi	985	1203	1605	2044	1921
4	Sultan Abdul Halim,Sungai Petani	8350	9713	10241	10443	11463
5	Kulim	3895	4229	4306	3951	4199
	PULAU PINANG					
6	Pulau Pinang	12558	13044	13663	11752	14014
7	Seberang Jaya	6342	6758	5781	3518	6580
8	Bukit Mertajam	2343	1249	1846	3340	1625
9	Kepala Batas	250	294	398	666	226
	PERAK					
10	Ipoh	15356	16359	17072	16520	17196
11	Seri Manjung	3692	4026	3920	3800	3954
12	Teluk Intan	5171	5057	5129	5036	5502
13	Taiping	8790	9636	10084	10320	10059
14	Slim River	600	860	1411	1425	1478
	SELANGOR					
15	Tuanku Ampuan Rahimah, Kelang	10842	11949	12068	13530	13747
16	Ampang	5799	5928	6224	6651	7386
17	Serdang	7890	9145	9709	NA	10422
18	Selayang	9886	10297	11615	12343	12692
19	Sungai Buloh	7240	8421	10408	11469	12214
20	Kajang	3882	4202	4246	4391	4896
21	Banting				NA	495
	WILAYAH PERSEKUTUAN					
22	Kuala Lumpur	25732	24865	25947	27020	25732
23	Putrajaya	5546	6117	6384	6304	7270
24	Labuan	542	570	759	914	799
	NEGERI SEMBILAN					
25	Tuanku Jaafar, Seremban	9141	10872	10258	9922	10397
26	Tuanku Ampuan Najihah, Kuala Pilah	2253	2352	2663	3183	3077
27	Port Dickson	NA	79	284	NA	733
	MELAKA					
28	Melaka	12427	13191	13361	13771	13827
	JOHOR					
29	Sultanah Aminah, JB	14658	15136	15665	16115	15616
30	Sultan Ismail, JB	6675	7040	8065	8346	9750
31	Muar	4569	2523	4933	4828	5014
32	Batu Pahat	4465	4717	4760	4578	5285
33	Segamat	2029	2442	3204	3556	3713
34	Kluang	974	870	1573	3008	3218
35	Kulai	643	623	565	NA	NA
	PAHANG					
36	Tengku Ampuan Afzan, Kuantan	9101	10126	10792	10632	12350
37	Temerloh	6070	6214	6431	6504	6581
38	Kuala Lipis	785	1165	936	NA	1826
	TERENGGANU					
39	Sultanah Nur Zahirah, Kuala Terengganu	10879	10994	11228	11446	11859
40	Kemaman	1197	1600	1725	1880	1810

No.	HOSPITAL	2010	2011	2012	2013	2014
	KELANTAN					
41	Raja Perempuan Zainab II, Kota Bharu	9854	11007	11209	11008	11892
42	Kuala Krai	1746	2170	2156	2293	2144
43	Tanah Merah	1296	1766	1678	NA	1977
44	Pasir Mas	NA	194	NA	NA	NA
45	Pasir Puteh	NA	225	NA	NA	NA
	SARAWAK					
46	Umum Sarawak	11351	12068	13410	14510	14553
47	Sibu	6087	6043	6401	6651	6992
48	Miri	4260	4474	4926	4221	4544
49	Bintulu	2357	2562	2631	2586	2264
50	Sarikei	594	823	577	889	938
51	Kapit	428	413	434	288	228
52	Serian	579	451	416	572	493
53	Bau	125	130	157	164	42
54	Lundu	89	337	266	261	225
55	Simunjan	9	63	68	27	34
56	Sri Aman	145	159	260	103	140
57	Betong	308	237	111	91	298
58	Saratok	26	52	88	60	39
59	Mukah	187	246	209	248	218
60	Daro	39	73	39	42	8
61	Kanowit	63	25	69	41	118
62	Lawas	101	129	183	234	144
63	Limbang	531	642	665	798	791
64	Marudi	157	163	203	117	100
	SABAH					
65	Queen Elizabeth	5701	6467	9352	10033	1374
	Queen Elizabeth II					8933
66	Duchess Of Kent	3989	4444	5233	5259	5216
67	Likas	7764	8439	8583	8863	9183
68	Keningau	2632	2557	2040	1954	2190
69	Tawau	4350	4631	5288	5795	5478
70	Kudat	427	351	339	405	323
71	Kota Marudu	324	277	231	266	211
72	Kota Belud	367	465	312	299	295
73	Mesra, Bukit Padang	437	456	385	565	593
74	Papar	143	149	72	NA	NA
75	Beaufort	395	206	317	395	460
76	Sipitang	64	98	49	41	70
77	Tenom	508	479	436	224	NA
78	Tambunan	283	232	216	253	220
79	Ranau	1428	1870	1715	2037	2111
80	Beluran	214	206	237	206	165
81	Pitas	NA	NA	NA	56	NA
82	Kinabatangan	35	94	63	NA	81
83	Lahad datu	1410	1255	1609	2053	2027
84	Kunak	24	11	20	NA	35
85	Semporna	65	92	88	53	44
86	Kuala Penyu	NA	NA	4	28	50
	TOTAL	322423	341855	365047	360085	389645

Table 14: No. of anaesthetics administered for emergency surgery in KKM hospitals, 2010 - 2014

No	HOSPITAL	2010	2011	2012	2013	2014
	PERLIS					
1	Kangar	56.90%	57.30%	57.69%	56.40%	58.50%
	KEDAH					
2	Alor Setar	51.60%	55.89%	57.20%	55.70%	58.91%
3	Langkawi	59.80%	65.86%	70.28%	73.70%	69.74%
4	Sultan Abdul Halim, Sungai Petani	68.90%	69.00%	69.58%	66.70%	66.14%
5	Kulim	55.80%	62.80%	61.82%	59.10%	63.02%
	PULAU PINANG					
6	Pulau Pinang	48.90%	40.16%	49.03%	43.50%	48.49%
7	Seberang Jaya	71.70%	72.36%	75.45%	88.20%	70.93%
8	Bukit Mertajam	2.00%	1.28%	28.55%	59.70%	11.20%
9	Kepala Batas	0.00%	0.00%	0.00%	0.00%	0.00%
	PERAK					
10	Ipoh	59.60%	58.92%	59.61%	58.90%	57.93%
11	Seri Manjung	66.70%	66.57%	67.24%	63.30%	71.40%
12	Teluk Intan	68.20%	70.26%	70.54%	67.30%	59.69%
13	Taiping	64.60%	62.65%	59.37%	67.20%	62.13%
14	Slim River	57.50%	58.72%	55.92%	59.00%	49.12%
	SELANGOR					
15	Tuanku Ampuan Rahimah, Kelang	54.90%	54.05%	59.19%	54.80%	55.67%
16	Ampang	57.50%	56.49%	53.98%	58.80%	58.85%
17	Serdang	55.70%	50.51%	50.94%	NA	52.09%
18	Selayang	49.10%	48.85%	45.32%	45.90%	47.65%
19	Sungai Buloh	75.70%	67.39%	64.92%	60.20%	59.87%
20	Kajang	71.90%	70.69%	69.08%	71.20%	73.67%
	WILAYAH PERSEKUTUAN					
21	Kuala Lumpur	43.50%	44.67%	45.28%	44.40%	45.48%
22	Putrajaya	46.40%	46.07%	44.08%	47.20%	48.18%
23	Labuan	51.10%	51.58%	58.23%	68.70%	66.71%
	NEGERI SEMBILAN					
24	Tuanku Jaafar, Seremban	59.30%	55.21%	52.12%	54.60%	52.51%
25	Tuanku Ampuan Najihah, Kuala Pilah	57.50%	57.78%	57.30%	63.00%	65.32%
26	Port Dickson	NA	48.10%	72.89%	NA	57.71%
	MELAKA					
27	Melaka	59.90%	61.99%	63.48%	59.20%	60.26%
	JOHOR					
28	Sultanah Aminah, JB	66.90%	56.38%	65.70%	65.40%	67.99%
29	Sultan Ismail, JB	67.80%	65.91%	65.94%	65.40%	62.09%
30	Muar	57.30%	58.70%	53.54%	50.50%	68.27%
31	Batu Pahat	66.80%	67.95%	65.82%	60.90%	65.00%
32	Segamat	65.10%	65.11%	61.80%	63.40%	65.07%
33	Kluang	60.60%	69.77%	64.84%	68.70%	66.10%
	PAHANG					
34	Tengku Ampuan Afzan, Kuantan	53.40%	54.57%	53.47%	55.70%	54.98%
35	Temerloh	68.20%	67.04%	58.19%	57.20%	58.38%
36	Kuala Lipis	68.20%	63.78%	72.22%	NA	72.73%
	TERENGGANU					
37	Sultanah Nur Zahirah, Kuala Terengganu	64.70%	61.30%	59.52%	58.00%	57.29%
38	Kemaman	71.60%	65.19%	63.83%	64.50%	62.87%
	KELANTAN					
39	Raja Perempuan Zainab II, Kota Bharu	61.50%	56.64%	59.36%	57.40%	55.86%
40	Kuala Krai	68.80%	65.14%	69.94%	69.90%	62.69%
41	Tanah Merah	70.70%	74.24%	74.61%	NA	69.80%

No	HOSPITAL	2010	2011	2012	2013	2014
	SARAWAK					
42	Umum Sarawak	59.20%	60.82%	57.38%	53.80%	54.02%
43	Sibu	47.40%	49.03%	53.65%	54.10%	50.40%
44	Miri	70.50%	72.02%	72.70%	66.70%	63.73%
45	Bintulu	60.60%	59.91%	59.29%	64.50%	65.68%
46	Sarikei	66.50%	47.27%	70.54%	57.40%	56.08%
47	Kapit	33.90%	39.95%	45.39%	43.40%	55.26%
48	Serian	48.70%	58.31%	45.91%	51.00%	55.98%
49	Bau	83.20%	62.31%	42.68%	15.20%	47.62%
50	Lundu	65.20%	28.19%	20.68%	44.80%	26.22%
51	Simunjan	22.20%	57.14%	57.35%	51.90%	44.12%
52	Sri Aman	36.60%	47.17%	51.92%	45.60%	45.71%
53	Betong	36.00%	52.74%	39.64%	28.60%	15.77%
54	Saratok	38.50%	51.92%	25.00%	33.30%	51.28%
55	Mukah	43.90%	34.55%	44.50%	47.60%	41.28%
56	Daro	46.20%	35.62%	51.28%	9.50%	87.50%
57	Kanowit	31.70%	80.00%	37.68%	12.20%	0.85%
58	Lawas	45.50%	48.84%	40.98%	46.60%	58.33%
59	Limbang	25.40%	33.18%	34.89%	29.30%	31.86%
60	Marudi	43.30%	41.72%	32.51%	51.30%	42.00%
	SABAH					
61	Queen Elizabeth	55.70%	53.58%	45.78%	47.50%	48.10%
62	Duchess Of Kent	64.50%	62.20%	62.83%	64.60%	65.26%
63	Likas	63.10%	62.70%	62.61%	59.20%	60.13%
64	Keningau	53.80%	56.71%	64.56%	63.00%	66.62%
65	Tawau	65.10%	67.57%	67.11%	72.10%	73.55%
66	Kudat	38.20%	27.64%	30.38%	25.40%	46.75%
67	Kota Marudu	52.20%	46.57%	48.05%	54.50%	53.55%
68	Kota Belud	46.90%	38.49%	42.95%	44.80%	49.83%
69	Mesra, Bukit Padang	0.00%	0.00%	0.00%	0.00%	0.00%
70	Papar	0.00%	0.00%	0.00%	NA	NA
71	Beaufort	35.40%	46.60%	51.42%	44.30%	50.87%
72	Sipitang	57.80%	54.08%	57.14%	92.70%	94.29%
73	Tenom	10.40%	9.81%	5.28%	100.00%	NA
74	Tambunan	80.90%	73.71%	78.24%	85.80%	80.45%
75	Ranau	59.40%	69.20%	64.66%	67.50%	68.71%
76	Beluran	37.90%	46.60%	35.44%	24.30%	16.36%
77	Pitas	NA	NA	NA	62.50%	56.79%
78	Kinabatangan	65.70%	37.23%	42.86%	NA	NA
79	Lahad datu	81.00%	67.81%	64.57%	70.00%	74.54%
80	Kunak	0.00%	0.00%	45.00%	NA	34.29%
81	Semporna	76.90%	90.22%	84.09%	83.00%	43.18%
82	Kuala Penyu	NA	NA	68.42%	100.00%	98.00%
	AVERAGE	58.00%	57.24%	57.70%	57.20%	57.63%

Table 15: Saturdays Lists in KKM Hospitals, 2014

Bil	Hospital	No. of operations done under Saturday List			No. of Saturday elective list (as of Dec 31st 2014)
		General Anaesthesia	Local Anaesthesia	Total	
1	Kangar	33	15	48	48
2	Alor Setar	99	397	496	49
3	Sultan Abdul Halim,Sungai Petani	46	12	58	58
4	Kulim	36	12	48	48
5	Pulau Pinang	589	260	849	176
6	Seberang Jaya	24	25	49	49
7	Kepala Batas	5	78	83	83
8	Ipoh	5		5	196
9	Teluk Intan	2		2	2
10	Taiping	352	83	435	88
11	TuanKu Ampuan Rahimah, Kelang	455	132	587	587
12	Ampang	102	12	114	114
13	Serdang	85	39	124	124
14	Selayang	490	125	615	182
15	Sungai Buloh	361		361	432
16	Kajang	190		190	190
17	Kuala Lumpur	530	202	732	391
18	Putrajaya	283	57	340	52
19	TuanKu Jaafar, Seremban	185	204	389	114
20	Kuala Pilah	38		38	
21	Melaka	336	17	353	353
22	Sultanah Aminah, JB	428	155	583	191
23	Sultan Ismail, JB	9750	481	10231	286
24	Muar	138		138	42
25	Batu Pahat	94		94	24
26	Tengku Ampuan Afzan, Kuantan	87	16	103	103
27	Temerloh	223	61	284	284
28	Kuala Terengganu	366	6	372	372
29	Umum Sarawak	300	258	558	164
30	Miri	127	88	215	75
31	Sibu	182	306	488	91
32	Queen Elizabeth	247	15	262	91
TOTAL		16188	3056	19244	5059

Table 16: Trends in output for Program Anestisiologi, KKM, 2004-2014

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
											(% from 2013)
No. of anaesthetics administered	229686	266660	277271	286324	301321	308391	319628	339844	363039	358100	387631
											↑ 8.24%
No. of anaesthetics for day care surgery	NA	NA	4777	5190	5363	5315	5543	8367	9838	10608	10922
											↑ 2.96%
No. of patients under acute pain service	18731	22459	31131	40490	52440	61583	65319	81801	91766	98246	114131
											↑ 16.17%
No. of patients under obstetric analgesia service	NA	3161	3367	3137	3363	3952	4370	3949	3597	4654	5298
											↑ 13.84%
No. of attendance at anaesthetic clinic	NA	NA	16266	20363	30795	48491	52880	61873	76686	87522	91258
											↑ 4.27%
No. of ICU admissions	15115	13027	16234	20075	23928	24908	30089	32621	36542	46906	40661
											↓ 13.31%
No. of HDU admissions	NA	NA	3226	3536	5662	7000	7474	5991	6212	6402	7378
											↑ 15.24%
No. of attendance at chronic pain clinic	NA	NA	173	1785	3199	4622	6281	7368	8954	10756	12196
											↑ 13.38%

Trends in output for Program Anestisiologi, KKM, 2004-2014

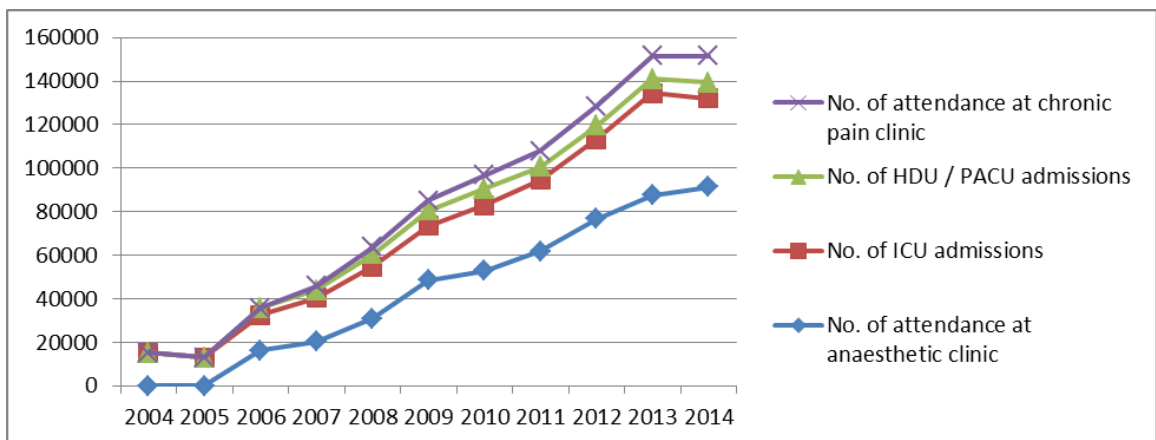
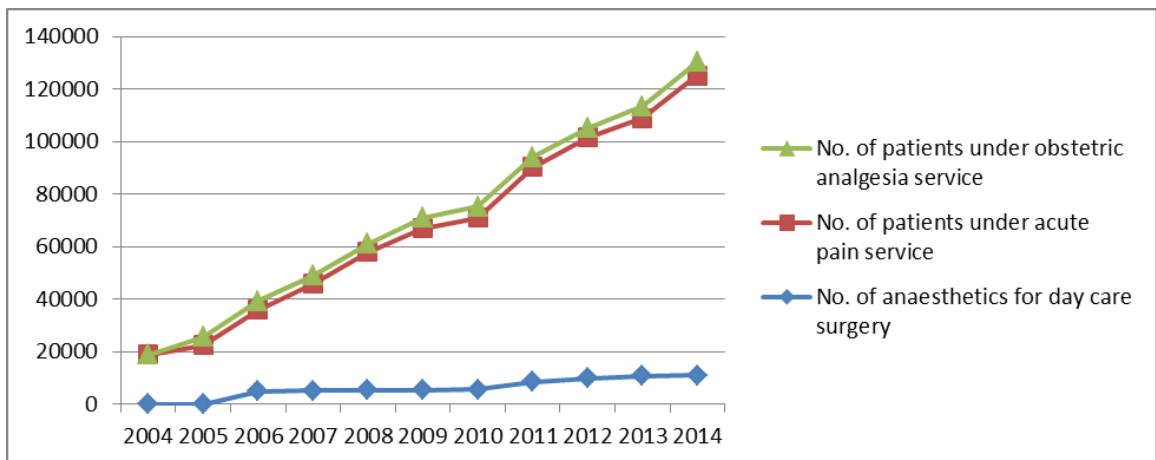
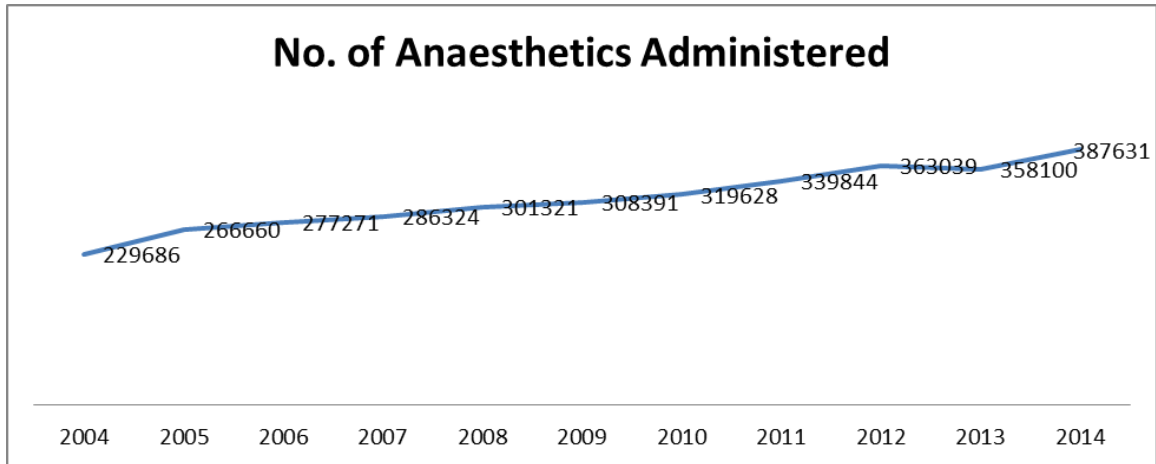


Table 17: Anaesthetic specialists in KKM hospitals, 2014

NO	HOSPITAL	No. Of Specialist									
		Jusa A	Jusa B	Jusa C	U54 / U53	U52 / U51	U48 / U47	U44 / U43	Contract	OTHER	TOTAL
	PERLIS										
1	Kangar			1	2	3					6
	KEDAH										
2	Alor Setar			3	10						13
3	Langkawi				2						2
4	Sultan Abdul Halim, Sg Petani			2	2	2			1		7
5	Kulim			1		1					2
	PULAU PINANG										
6	Pulau Pinang	1	1	9	11						22
7	Seberang Jaya			1	1		4		1		7
	PERAK										
8	Ipoh		1	2	13						16
9	Seri Manjung			1	1						2
10	Slim River				1						1
11	Teluk Intan			1	3						4
12	Taiping			2	5	1					8
	SELANGOR										
13	T. Ampuan Rahimah, Kelang			1	8	1			1		11
14	Ampang		1	3	6	1					11
15	Serdang		1	2	8						11
16	Selayang		3	3	12						18
17	Sungai Buloh		1	3	10	1					15
18	Kajang			1	4						5
	WILAYAH PERSEKUTUAN										
19	Kuala Lumpur	1		5	31	5	4				46
20	Putrajaya		1	2	5						8
21	Labuan			1							1
	NEGERI SEMBILAN										
22	Tuanku Jaafar, Seremban		1	1	7	2					11
23	T. Ampuan Najihah, Kuala Pilah			1	2						3
24	Port Dickson				1						1
	MELAKA										
25	Melaka			2	11						13
	JOHOR										
26	Sultanah Aminah, JB	1	1	6	10	5	4	18	1	15	61
27	Sultan Ismail, JB			2	4	1	2				9
28	Muar			1	3						4
29	Batu Pahat			1	2				1		4
30	Segamat				1	1					2
31	Kluang				1		1				2
	PAHANG										
32	Tengku Ampuan Afzan, Kuantan			3	4		4				11
33	Kuala Lipis				1		1				2
34	Temerloh			1	5						6
	TERENGGANU										
35	Sltanh Nur Zahirah, K. Trganu		1	2	10	2					15
36	Kemaman				2						2
	KELANTAN										
37	RJ Prmpn Zainab II, K. Bharu										0
38	Tanah Merah				2						2
39	Kuala Krai										0
	SARAWAK										
40	Umum Sarawak	1		3	6	6	1				17
41	Sibu			1	1	1					3
42	Miri						3				3
43	Bintulu					1	1				2
44	Sarikei				1	1					2
	SABAH										
45	Queen Elizabeth		1	1	5	6	6				
	Queen Elizabeth II			1	1						2
46	Likas			1	1	2	1				5
47	Keningau					1					1
48	Lahad datu					1					1
49	Sandakan			1	1	3					5
50	Tawau			1	1		1				3
	TOTAL	4	13	73	218	48	33	18	5	15	408

Table 18: Anaesthetic medical officers and trainees in KKM hospitals, 2014

NO	HOSPITAL	No. Of Service MO							No. Of Trainees						TOTAL
		U54 / U53	U52 / U51	U48 / U47	U44 / U43	U41	Other / Contract	TOTAL	U54 / U53	U52 / U51	U48 / U47	U44 / U43	U41	Other / Contract	
	PERLIS														
1	Kangar	2		2	16			20							0
	KEDAH														
2	Alor Setar	1	3	7	17			28		1	3				4
3	Langkawi				3			3							0
4	Sultan Abdul Halim, Sg Petani	1		1	15			17							0
5	Kulim				11			11							0
	PULAU PINANG														
6	Pulau Pinang		4	4	4			12			25				25
7	Seberang Jaya	1		2	22			25							0
8	Bukit Mertajam				5			5							0
9	Kepala Batas				1			1							0
	PERAK														
10	Ipoh			3	18			21			2	4			6
11	Seri Manjung			2	6			8							0
12	Slim River		1		5			6							0
13	Teluk Intan			3	8			11							0
14	Taiping			3	11			14							0
	SELANGOR														
15	T. Ampuan Rahimah, Kelang			4	23		2	29							0
16	Ampang	2		15	10			27							0
17	Serdang		1	5	21			27			3	2			5
18	Selayang			2	21		10	33							0
19	Sungai Buloh	1		5	35			41			3	1			4
20	Kajang	1		1	12			14							0
	WILAYAH PERSEKUTUAN														
21	Kuala Lumpur	2		6	44	11		63			23	35			58
22	Putrajaya		1	9	10			20							0
23	Labuan							0							0
	NEGERI SEMBILAN														
24	Tuan Ku Jaafar, Seremban	1		3	19		1	24				2			2
25	T. Ampuan Najihah, Kuala Pilah	2		2	6			10							0
26	Port Dickson				5			5							0
	MELAKA														
27	Melaka		12	21			18	51							0
	JOHOR														
28	Sultanah Aminah, JB							0							0
29	Sultan Ismail, JB			6	12		10	28							0
30	Muar	1		1	9	4		15							0
31	Batu Pahat			4	13			17							0
32	Segamat				6		3	9							0
33	Kluang		1		9			10							0
	PAHANG														
34	Tengku Ampuan Afzan, Kuantan	3	2	4	27			36			2				2
35	Kuala Lipis			1	4			5							0
36	Temerloh				21			21							0
	TERENGGANU														
37	Sltan Nur Zahirah, K. Trganu	1		6	34			41							0
38	Kemaman	1		2	4			7							0
	KELANTAN														
39	RJ Prmpn Zainab II, K. Bharu							0							0
40	Tanah Merah				4			4							0
41	Kuala Krai							0							0
	SARAWAK														
42	Umum Sarawak			1	24	15		40			5	2			7
43	Sibu				18			18							0
44	Miri			1	11		2	14							0
45	Bintulu				6		1	7							0
46	Sarikei				4			4							0
	SABAH														
	Queen Elizabeth			2	22			24			5	5			10
46	Queen Elizabeth II				2		1	3							0
47	Likas	1	1		18			20							0
48	Keningau				6			6							0
49	Lahad datu			1	3			4							0
50	Sandakan				15			15							0
51	Tawau				13			13							0
	TOTAL	21	26	129	633	30	48	887	0	1	71	51	0	0	123

Table 19: Anaesthetic /ICU nurses and assisted medical officers in KKM hospitals, 2014

NO	HOSPITAL	No. Of Allied Health Personnel																			TOTAL
		MA						GA Nurse							ICU nurse						
		U42	U41	U36	U32	U32 (KUP)	U29	U42	U41	U36	U32	U32 (KUP)	U29	U19 (JM)	U42	U41	U36	U32	U32 (KUP)	U29	
	PERLIS																				
1	Kangar		1		2		3				3		26					12		21	68
	KEDAH																				
2	Alor Setar		1		2		2	1			5		35		1		1	2		40	90
3	Langkawi				1		1				1		6					2		13	24
4	Sg Petani				2		4				15		23			1		27		45	117
5	Kulim				1		3				4		10					15		18	51
	PULAU PINANG																				
6	Pulau Pinang				3		3						31	1	1			3		101	143
7	Seberang Jaya				2		1				1		19				1	2		39	65
8	Bukit Mertajam				1								3					2		24	30
9	Kepala Batas						1					3						1	13		18
	PERAK																				
10	Ipoh		1		1		8				1	1	29		1		1	5	7	113	168
11	Seri Manjung				2		1				5		7					10	21		46
12	Teluk Intan				1		1				2	15						2	4	27	52
13	Slim River				2		2						7					2		16	29
14	Taiping				1		2			1	1	3	27					2	21	68	126
	SELANGOR																				
15	Kelang																				0
16	Ampang				1		3		1				18				1	4		53	81
17	Serdang			1	2		8				2		26				1	3		81	124
18	Selayang			1	1		4						30				1	4		90	131
19	Sungai Buloh				1		4						37			1		9		133	185
20	Kajang						3						8				1	3	3	25	43
21	Banting				1		2											1		16	20
	W. PERSEKUTUAN																				
22	Kuala Lumpur	1	1		6		12				3		61			1		5	3	151	244
23	Putrajaya				1		3					2	17					1	12	44	80
24	Labuan						1		1				1					4		15	22
	NEGERI SEMBILAN																				
25	Seremban		1				7						22		1			2		37	70
26	Kuala Pilah				2		5						5					6		32	50
27	Port Dickson						1						5					3		11	20
	MELAKA																				
28	Melaka		1	1	2		13						39				1	14		79	150
	JOHOR																				
29	Sultanah Aminah, JB		1	1	3		7														12
30	Sultan Ismail, JB			1			7			1	2		27				1	6		72	117
31	Muar				2		3				1		16					2	7	24	55
32	Batu Pahat				1		2				3		10			1		2	15	30	64
33	Segamat				1		4					3	8				1	6		24	47
34	Kluang				1		3				2		8					4		22	40
	PAHANG																				
35	Kuantan			1	1		4				10		36			1	1	21		75	150
36	Kuala Lipis						1						6					1		18	26
37	Temerloh				4		5				1		35			1	1	5		76	128
	TERENGGANU																				
38	Kuala Terengganu				3	4	4				1	10	24				1	1	24	70	142
39	Kemaman				1		1				1	2	12			1		1	1	10	30
	KELANTAN																				
40	Kota Bharu																				0
41	Kuala Krai																				0
42	Tanah Merah										2		7					4		13	26

NO	HOSPITAL	No. Of Allied Health Personnel																			
		MA						GA Nurse						ICU nurse						TOTAL	
		U42	U41	U36	U32	U32 (KUP)	U29	U42	U41	U36	U32	U32 (KUP)	U29	U19 (JM)	U42	U41	U36	U32	U32 (KUP)		U29
	SARAWAK																				
43	Umum Sarawak	2	1	5	6		28				1		2			1	1	4		89	140
44	Bau				1		1														2
45	Lundu				1																1
46	Serian			1			1														2
47	Simunjan				1																1
48	Sri Aman				1		1														2
49	Betong				1		1														2
50	Saratok				1																1
51	Sarikei	1			1		1											1		15	19
52	Kanowit				1																1
53	Sibu	1			3		5				1		1			1	1	4		79	96
54	Daro				1																1
55	Mukah				2																2
56	Bintulu				4													4		22	30
57	Miri			1	1						5		5			1		6		33	52
58	Marudi				2																2
59	Limbang				2																2
60	Lawas				2																2
61	Kapit				2																2
	SABAH																				
62	Queen Elizabeth	1		1	2		4														8
	Queen Elizabeth II	2		1	3		8														
63	Likas						4														4
64	Keningau				1		3														4
65	Lahad datu	1			1		1														3
66	Sandakan	1			2		3														6
67	Tawau				2		5														7
68	Kudat				2		1														3
69	Kota Marudu				1		1														2
70	Pitas				2																2
71	Kota Belud				1		1														2
72	Mesra Bukit Padang						2														2
73	Papar				1		1														2
74	Beaufort						1														1
75	Kuala Penyu				1		1														2
76	Sipitang				1																1
77	Tenom				1																1
78	Tambunan				1		1														2
79	Ranau				4																4
80	Beluran				1																1
81	Kinabatangan				1																1
82	Kunak																				0
83	Semporna				1																1
TOTAL		10		15	117	4	214		2	2	73	39	689	1	4	10	15	218	131	1964	3503
		360						806						2342							

Table 20: Subspecialists under Program Anestisiologi in KKM hospitals, 2014

No.	Hospital	Cardiac Anaesthesia		Pediatric Anesthesia		Neuro Anaesthesia		Obstetric Anesthesia		Anaesthesia for Transplant Surgery		Intensive Care (Adult)		Pain Management	
		Subspecialist	Trainee	Subspecialist	Trainee	Subspecialist	Trainee	Subspecialist	Trainee	Subspecialist	Trainee	Subspecialist	Trainee	Subspecialist	Trainee
1	Alor Setar			1								1			
2	P. Pinang	4	3			1						1	1	1	
3	Ipoh			1					1			1	1	2	
4	Taiping											1			
5	Selayang			1						2		1	1	2	5
6	Sungai Buloh											2	2	1	
7	Serdang	3	3	1											
8	Kelang							1				2		1	
9	Kuala Lumpur			3		2		2	2			4	2	2	
10	Putrajaya					1									
11	Seremban			1					1						
12	Melaka			1								1		2	
13	Kuantan	1				1			1						
14	Kuala Terengganu			1					1			2		1	
15	Sultanah Aminah, JB	2		2								2		1	
16	Sultan Ismail, JB													1	1
17	Queen Elizabeth II	2													
	Total	12	6	12	0	5	0	3	6	2	0	18	7	14	6

Total no. of subspecialists = 64

Total no. of subspecialty trainees = 25

Table 21: No. of ICU / HDU beds and OT in KKM hospitals 2014

NO	HOSPITAL	Facility					
		ICU Bed		HDU Bed		OR	
		Available	Functional	Available	Functional	Available	Functional
	PERLIS						
1	Kangar	5	5	4	4	4	4
	KEDAH						
2	Alor Setar	10	10	14	14	14	13
3	Langkawi	4	5	0	0	2	2
4	Sultan Abdul Halim, Sungai Petani	18	16	0	0	9	9
5	Kulim	8	7	0	0	3	3
	PULAU PINANG						
6	Pulau Pinang	26	22	0	0	17	16
7	Seberang Jaya	10	10	0	0	4	4
8	Bukit Mertajam	6	6	0	0	3	3
9	Kepala Batas	4	4	0	0	4	3
	PERAK						
10	Ipoh	24	24	20	20	18	18
11	Seri Manjung	8	8	0	0	3	3
12	Teluk Intan	4	4	0	0	5	4
13	Taiping	20	20	0	0	12	4
14	Slim River	5	5	0	0	3	3
	SELANGOR						
15	Tuanku Ampuan Rahimah, Kelang	22	22	10	10	18	15
16	Ampang	12	12	10	4	13	8
17	Serdang	20	13	0	0	20	16
18	Selayang	25	25	0	0	22	22
19	Sungai Buloh	18	18	24	20	12	12
20	Kajang	6	6	0	0	3	3
	WILAYAH PERSEKUTUAN						
21	Kuala Lumpur	42	42	0	0	38	33
22	Putrajaya	11	11	0	0	9	9
23	Labuan	5	5	0	0	0	0
	NEGERI SEMBILAN						
24	Tuanku Jaafar, Seremban	8	8	5	5	17	13
25	Tuanku Ampuan Najihah, Kuala Pilah	8	8	0	0	3	3
26	Port Dickson	4	4	0	0	1	1
	MELAKA						
27	Melaka	24	24	0	0	11	11
	JOHOR						
28	Sultanah Aminah, JB	29	29	0	0	13	13
29	Sultan Ismail, JB	32	21	0	0	15	10
30	Muar	8	8	12	4	4	4
31	Batu Pahat	18	7	0	0	6	6
32	Segamat	4	4	6	4	2	2
33	Kluang	6	4	0	0	6	3
	PAHANG						
34	Tengku Ampuan Afzan, Kuantan	21	18	0	0	13	12
35	Temerloh	18	18	0	0	13	7
36	Kuala Lipis	6	3	0	0	2	2
	TERENGGANU						
37	Sultanah Nur Zahirah, Kuala Terengganu	23	21	0	0	19	18
38	Kemaman	0	0	2	2	2	2
	KELANTAN						
39	Raja Perempuan Zainab II, Kota Bharu	21	20	0	0	7	7
40	Kuala Krai	6	5	0	0	3	3
41	Tanah Merah	6	2	0	0	2	1

NO	HOSPITAL	Facility					
		ICU Bed		HDU Bed		OR	
		Available	Functional	Available	Functional	Available	Functional
	SARAWAK						
42	Umum Sarawak	20	16	2	2	18	17
43	Bau					2	1
44	Lundu					2	2
45	Serian					2	2
46	Simunjan					2	1
47	Sri Aman					2	2
48	Betong					2	2
49	Saratok					2	2
50	Sarikei	6	3	0	0	4	3
51	Kanowit					2	2
52	Sibu	13	13	0	0	8	8
53	Daro					2	2
54	Mukah					2	2
55	Bintulu	6	6	0	0	3	3
56	Miri	8	8	0	0	3	3
57	Marudi					1	1
58	Limbang					2	2
59	Lawas					1	1
60	Kapit					3	3
	SABAH						
61	Queen Elizabeth I	8	8	0	0	16	16
	Queen Elizabeth II	14	12	0	0	10	10
62	Likas	16	9			6	6
63	Keningau	4	4	0	0	3	3
64	Lahad datu	4	4	0	0	3	3
65	Beaufort					2	2
66	Beluran					2	2
67	Kota Belud					1	1
68	Ranau					2	2
69	Sandakan	18	16	0	0	4	4
70	Semporna					1	1
71	Tawau	10	10	0	0	7	7
72	Sipitang					1	1
73	Tambunan					1	1
74	Kinabatangan					1	0
75	Kota Marudu					2	2
76	Kudat					2	2
77	Kunak					1	0
78	Pitas					1	1
79	Tenom					1	1
80	Papar					2	0
	TOTAL	682	613	109	89	507	449

Table 22: Program Anestisiologi key performance indicators, 2014

No.	HOSPITAL	(Jan - June)	(Jan - June)	(Jan - June)	(Jan - June)	(Jan - Dec)	(Jan - June)	(Jan - June)		(Jan - Dec)	(July - Dec)	(July - Dec)	(July - Dec)	(July - Dec)	(July - Dec)	(July - Dec)		(July - Dec)
		Percentage of patients awaiting Emergency Surgery more than 24 hrs due lack of OT time	Percentage of elective and emergency surgery patients who receive Acute Pain Service	Percentage of patients undergoing elective surgery who are assessed in Anesthetic Clinic	Percentage of re-intubation in the Operating Room (OR) and recovery room (RR)	Ventilator Care Bundle (VCB) Compliance rate	Number of mortality/morbidity audit/ meetings conducted in the Department (in 6 months)	Percentage of post operative patients leaving the recovery room with pain score of ≥ 4	Percentage of patients having a pain score of ≤ 4 within the first 24 hrs after elective and emergency surgery	Percentage of elective surgical cancellations after preoperative assessment in the anaesthetic clinic	Percentage of Major elective surgery patients who receive Acute Pain Service	Incidence of Accidental Dural Puncture	Percentage of in-patients referred for chronic pain seen within 24 hrs	Percentage of unplanned admission after day case pain procedure	Incidence of catheter related bloodstream infection	Incidence of ventilated associated pneumonia	Readmission within 48 hours of ICU discharge	Unplanned extubation
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1	Kangar	0.50	24.66	62.95	0.00	100.0		0.00	92.90	2.37								
2	Alor Setar				0.00	100.0			88.38	0.00	87.20	1.47	100.00	0.00	0.00	0.11		
3	Langkawi	0.00	18.60	7.20	0.00	100.0	6	0.00	100.00	0.00								
4	Sungai Petani	0.00	34.18	15.83	0.01	93.0	6	0.00	97.93	3.14								
5	Kulim	0.00	21.17	23.58	0.00	100.0	20	0.00	100.00	0.00								
6	Pulau Pinang	0.64	23.57	80.55	0.02	91.5	6	0.00	90.00	0.55								
7	Seberang Jaya	0.73	27.00	42.72	0.00	100.0	13	0.00	97.23	3.28								
8	Bukit Mertajam	0.94	24.30		0.00	100.0	12	0.00	96.70									
9	Kepala Batas		34.30		0.00	100.0	5.7	0.00										
10	Ipoh				0.10	97.0			98.00	0.30	75.00	1.00	100.00	0.00			0.70	1.10
11	Taiping	0.24	24.00	29.80	0.04	99.5	100	0.04	98.50	0.18								
12	Teluk Intan																	
13	Seri Manjung	0.00	12.50	48.71	0.03	100.0	100	2.68	81.50	0.38								
14	Slim River	0.00	12.30	37.90	0.13	83.3	100	0.00	83.50	0.00								
15	Tuanku Ampuan Rahimah, Kelang	4.61	30.55	52.80	0.00	99.1	100	0.00	86.70	0.05								
16	Ampang	0.00	30.80	82.90	0.03	93.3		0.00	88.60	1.15								
17	Sungai Buloh	8.20	35.60	45.40	0.02	99.1	15	0.30	85.00	0.37								
18	Selayang	0.82	41.76	58.89	0.03	97.6	12	0.00	96.59	1.36								
19	Serdang	0.57	21.82	39.10	0.02	100.0	15	0.21	89.75	0.46								
20	Kajang	0.00	20.00	38.30	0.04	96.8	6	0.53	96.00	0.75								
21	Banting	0.00	2.30	29.40	0.00	100.0		0.00	100.00	0.90								
22	Kuala Lumpur	0.02	29.78	62.78	0.07	96.2	150	0.00	84.84	0.90	76.70	0.05	100.00	0.00	0.44	3.77		
23	Putrajaya	0.24	36.64	55.41	0.00	100.0	3	0.00	96.41	2.74								
24	Labuan	0.00	43.40		0.00	100.0	6	0.00	96.10									
25	Tuanku Jaafar, Seremban	0.00	16.60	77.60	0.00	100.0	6	0.00	98.60	3.20								

No.	HOSPITAL	(Jan - June)	(Jan - June)	(Jan - June)	(Jan - June)	(Jan - Dec)	(Jan - June)	(Jan - June)		(Jan - Dec)	(July - Dec)	(July - Dec)	(July - Dec)	(July - Dec)	(July - Dec)	(July - Dec)		(July - Dec)
		Percentage of patients awaiting Emergency Surgery more than 24 hrs due lack of OT time	Percentage of elective and emergency surgery patients who receive Acute Pain Service	Percentage of patients undergoing elective surgery who are assessed in Anaesthetic Clinic	Percentage of re-intubation in the Operating Room (OR) and recovery room (RR)	Ventilator Care Bundle (VCB) Compliance rate	Number of mortality/morbidity audits/ meetings conducted in the Department (in 6 months)	Percentage of post operative patients leaving the recovery room with pain score of ≤ 4	Percentage of patients having a pain score of ≤ 4 within the first 24 hrs after elective and emergency surgery	Percentage of elective surgical cancellations after preoperative assessment in the anaesthetic clinic	Percentage of Major elective surgery patients who receive Acute Pain Service	Incidence of Accidental Dural Puncture	Percentage of in-patients referred for chronic pain seen within 24 hrs	Percentage of unplanned admission after day case pain procedure	Incidence of catheter related bloodstream infection	Incidence of ventilated associated pneumonia	Readmission within 48 hours of ICU discharge	Unplanned extubation
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
26	Tuanku Ampuan Najihah, Kuala Pilah	0.80	26.80	48.60	0.00	99.3	12	0.09	92.90	1.20								
27	Port Dickson	0.00	31.10	66.20	0.00	100.0	12	0.00	100.00	0.01								
28	Melaka	0.00	47.33	91.00	0.01	99.0	133	0.00	98.00	5.20								
29	Sultanah Aminah, Johor Bahru	0.00	32.76	77.88	0.00	99.4	24	0.00	94.46	5.49								
30	Sultan Ismail, Johor Bahru	0.00	80.36	81.01	0.02	93.7		0.00	95.32	0.60								
31	Muar	0.00	46.60	89.90	0.02	100.0	100	0.00	98.80	3.65								
32	Batu Pahat	0.16	25.52	84.54	0.00	100.0	100	0.00	96.30	0.05								
33	Segamat	0.00	60.00	17.30	0.00	100.0	100	0.08	95.00	0.00								
34	Kekuang	0.00	28.80	72.30	0.00	100.0		0.00	88.40	1.00								
35	Tengku Ampuan Afzan, Kuantan	0.18	29.00	55.40	0.01	99.3		0.00	93.00	0.42								
36	Temerloh	0.47	42.40	66.60	0.03	98.1	100	0.00	93.90	1.31								
37	Kuala Lipis	0.00	36.00	35.00	0.00	100.0	100	0.00	100.00	0.00								
38	Raja Perempuan Zainab II, Kota Bharu		55.93		0.02	96.0			99.20	1.30		0.76	104.00	0.00	0.00	0.50		
39	Tanah Merah		69.00		0.00				98.00	0.00								
40	Sultanah Nur Zahirah, Kuala Terengganu	0.00	33.50	60.20	0.02	100.0	24	0.00	97.00	0.67								
41	Kemaman	0.00	54.00	40.00	0.00	84.0	100	0.20	99.00	0.80								
42	Umum Sarawak, Kuching	12.70	20.40	48.46	0.02	97.6	167	0.00	78.59	0.06								
43	Sibu	0.29	80.15	31.00	0.00	98.5	100	0.00	91.38	0.90								
44	Sarikei	0.00	13.50	90.70	0.00	100.0	83	0.00	100.00	0.00								
45	Bintulu	0.00	15.00	0.00	0.00	100.0	83.3	0.00	94.00	0.00								
46	Miri	0.00	31.30	39.40	0.00	100.0	83.5	0.00	94.00	0.00								
47	Queen Elizabeth II	0.00		73.80	0.00	100.0	6	0.00		0.95								
	Queen Elizabeth II	0.67	13.40	32.50	0.05	99.6	100	0.00	84.20	1.08								
48	Tawau	0.29	10.40	55.60	0.00	100.0	100	0.00	93.00	0.78								
National Standard		$\leq 1\%$	$\geq 10\%$	$\geq 30\%$	$\leq 0.3\%$	$\geq 85\%$	≥ 6	$\leq 10\%$	$\geq 75\%$	$\leq 10\%$	$\geq 60\%$	$\leq 3\%$	$\geq 90\%$	$< 1\%$	< 5 per 1000 catheter days	< 10 per 1000 ventilated days	$\leq 3\%$	$\leq 5\%$