

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 4 :

# **Hospital Health Workforce**

## CHAPTER 4 | HOSPITAL HEALTH WORKFORCE

### Doctors

In this report, we focus on fully-registered medical practitioners i.e. the specialists and medical officers, hence house officers are excluded. In 2013, there were 19,927 doctors working in acute curative hospitals in the country; 79.9% in the public hospitals, and 20.1% in the private hospitals. This sector distribution of doctor workforce is consistent with the proportion of bed capacity between the sectors. Over the past four years (2010-2013), the number of doctors has increased by 25% (5,022/ 19,927); the public hospitals contributed to a majority of 87.8% (4,407/ 5,022), and the remaining 12.2% (615/ 5,022) was from the private hospitals. Consistently, the public hospitals experienced a higher percentage of increase in the doctor workforce (27.7%) compared with the private hospitals (15.3%). In total, the country had 67.1 doctors per 100,000 population for the year 2013. Many were working in the West Coast region of Peninsular Malaysia. The highest doctor-to-population ratio was seen in Klang Valley (99.6 per 100,000 population), and three other states held a ratio well above national average i.e. Pulau Pinang (93.3 per 100,000 population), Melaka (87.8 per 100,000 population), and Negeri Sembilan (75.2 per 100,000 population). On the other hand, the top five states with the least number of doctors per 100,000 population were Sabah & WP Labuan (33.4), Sarawak (46.1), Johor (47.1), Terengganu (52.8), and Pahang (53.7). [Table 4.1]

With regards to specialists, the year 2013 saw 7,788 specialists working in acute curative hospitals in Malaysia. There were more specialists in the public hospitals (4,368; 56.1%) as opposed to the private hospitals (3,420; 43.9%). In the four-year period, the total number of specialists grew by 1,112 (14.3%). Out of such, 621 specialists (55.8%) were from the public hospitals, and 491 specialists (44.2%) were from the private hospitals. In addition, specialist workforce growth within the public hospitals (14.2%) was comparable to that of the private hospitals (14.4%). Overall, the number of specialists per 100,000 population in the country stood at 26.2 for the year 2013. Klang Valley, Pulau Pinang, and Melaka held the top three highest ratios; 47.6, 40.1, and 34.6 respectively. In contrast, three states had the lowest ratios i.e. Sabah & WP Labuan (9.1), Terengganu (12.9), and Sarawak (14.8). [Table 4.1.1]

Specialties that topped the list for highest specialist-to-population ratio remained similar throughout the four-year period (paediatrics, obstetrics and gynaecology, anaesthesiology, orthopaedics, internal medicine, and general surgery). Meanwhile specialties with the lowest ratio include sports medicine, nuclear medicine, rehabilitation medicine, and forensic pathology. [Table 4.1.2- Table 4.1.18]

In 2013, medical officers working in acute curative hospitals in the country numbered 12,139; a majority of 95% (11,545) being in the public hospitals while the remaining were in the private hospitals (594). Over the past four years, the number has increased by 3,910 (32.2%); out of which 3,786 (96.8%) medical officers were working in the public hospitals, and only 124 (3.2%) were working in the private hospitals. Furthermore, medical officer workforce of the public hospitals observed a higher increase (32.8%) compared with that of the private hospitals (20.9%). The national average of medical officers per 100,000 population was 40.9 for the year 2013. Melaka, Pulau Pinang, Perlis, and Klang Valley reported ratios well above the national average (53.1, 52.7, 52.2, and 52.1 medical officers per 100,000 population respectively); while Sabah & WP Labuan, Johor, and Sarawak recorded ratios well below the national average (24.3, 31.0, and 31.2 medical officers per 100,000 population respectively). [Table 4.1.1]

### Staff Nurses

Total hospital staff nurses in 2013 numbered 68,121; with 50,541 staff nurses (74.2%) in the public hospitals, and 17,580 staff nurses (25.8%) in the private hospitals. There was an overall increase of 6.6% from the total number of hospital staff nurses in 2012. Both sectors experienced comparable increase in workforce over the two-year period; 6.4% in the public hospitals, and 7.2% in the private hospital. The country observed a staff-nurses-to-population ratio of 229 per 100,000 population in

2013. The highest ratio of 305-308 per 1,000 population was seen in Pulau Pinang, Melaka, and Klang Valley (consisting the collective states of Selangor, WP Putrajaya, and WP Kuala Lumpur). Meanwhile Sarawak, Terengganu, Sabah, WP Labuan, and Johor had the ratio of below 200 per 100,000 population. [Table 4.2]

Staff nurses with post-basic training grew in number by 12.8% from 2012 to 2013; again with the private hospitals showing higher increase (14.0%) than the public hospitals (12.6%). However, 35.4% of all staff nurses in the public hospitals had post-basic training versus 19.0% of all staff nurses in the private. Public hospitals in Melaka had the highest proportion of post-basic trained staff nurses out of total staff nurses (50.2%), while those in Sabah had the lowest (23.7%). [Table 4.2]

### Assistant Medical Officers (AMO)

There were 6,568 AMOs working in Malaysian hospitals in 2013. Most (98.8%) AMOs were working in the public hospitals. The number of AMOs grew by 3.9% from 2012 to 2013; maintaining the AMO-to-population ratio of 22 per 100,000 population in both years. Perlis recorded AMO density well above national average at 44 per 100,000 population. Meanwhile Klang Valley, and Johor recorded the lowest AMO density, at 17-18 per 100,000 population each. [Table 4.3]

The number of post-basic trained AMOs increased by 6.4% over one-year period (2012-2013); mostly observed in the public hospitals. The private hospitals lost three post-basic trained AMOs (21.4%) in 2013. Out of all AMOs in the public hospitals, 41.3% held post-basic training; while only 17.5% of the total number of AMOs in the private hospitals had such training. [Table 4.3]

### Radiographers

There were 3,258 radiographers in Malaysia in 2013; 2,419 (74.2%) in the public hospitals, and 839 (25.8%) in the private hospitals. In total, the number of radiographers increased by 5.3%; with a higher increase in the private hospitals (12.5%) compared with the public hospitals (2.8%). Nationwide, there were 11 radiographers per 100,000 population in 2013. Pulau Pinang, Perlis, and Klang Valley had the highest ratio, at 12-15 per 100,000 population; while Kedah, Terengganu and Sabah & WP Labuan had the lowest ratio, at 7-8 per 100,000 population. [Table 4.4]

We attempted to report about the country's post-basic trained radiographers (particularly in mammography and computer tomography (CT) scan). However such data could only be reported for the public hospitals. Of all radiographers in the public hospitals, 1.3% had post-basic training in mammogram, and 5.3% had post-basic training in CT scan. Most states had only three or less radiographers with mammogram post-basic training, while in Klang Valley there were 13 radiographers with such qualification. A similar situation is seen among the radiographers with post-basic qualification in CT scan: in most states, they numbered less than 10, while in Klang Valley they amounted to 47 in number. [Table 4.4]

### Limitation:

1. Our data pertains to hospital workforce, therefore paints only a partial picture of health workforce (of selected professions) in the country.
2. Only doctor workforce data was collected at an individual doctor's level. As for the remaining professions, data was collected in aggregated manner i.e. total count of the workforce. Therefore thorough data verification and cleaning was employed for the doctor workforce data, while the nature of the other workforce data permitted verification and cleaning procedure on a smaller scale.
3. Compared with workforce data of other professions, doctor workforce data for the latest NHEWS (Hospital) survey is available only for the year 2013 instead of for both years (2012 & 2013). This is attributable to the dissimilarity in data collection as has been mentioned.
4. A proportion of private hospitals reported post-basic trained radiographers that did not meet our definition. Therefore we omitted this data on the ground of questionable reliability.

Table 4.1 : Number &amp; Density of Medical Practitioners in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Medical Practitioners# |                        |               |                        |               |                        |
|---|--------------|------------------------|------------------------|---------------|------------------------|---------------|------------------------|
|   |              | 2010                   |                        | 2011          |                        | 2013          |                        |
|   |              | Number                 | Per 100,000 population | Number        | Per 100,000 population | Number        | Per 100,000 population |
| Malaysia                                      | Public       | 11,506                 | -                      | 13,100        | -                      | 15,913        | -                      |
| Malaysia                                      | Private      | 3,399                  | -                      | 3,554         | -                      | 4,014         | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>14,905</b>          | <b>52.60</b>           | <b>16,654</b> | <b>57.50</b>           | <b>19,927</b> | <b>67.06</b>           |
| Perlis  | Public       | 120                    | -                      | 140           | -                      | 171           | -                      |
| Perlis  | Private      | na                     | -                      | na            | -                      | 0             | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>120</b>             | <b>51.83</b>           | <b>140</b>    | <b>58.95</b>           | <b>171</b>    | <b>70.84</b>           |
| Kedah   | Public       | 641                    | -                      | 773           | -                      | 1,065         | -                      |
| Kedah   | Private      | 114                    | -                      | 120           | -                      | 127           | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>755</b>             | <b>38.76</b>           | <b>893</b>    | <b>45.26</b>           | <b>1,192</b>  | <b>58.98</b>           |
| Kedah & Perlis                                | Public       | 761                    | -                      | 913           | -                      | 1,236         | -                      |
| Kedah & Perlis                                | Private      | 114                    | -                      | 120           | -                      | 127           | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>875</b>             | <b>40.15</b>           | <b>1,033</b>  | <b>46.73</b>           | <b>1,363</b>  | <b>60.24</b>           |
| Pulau Pinang                                  | Public       | 731                    | -                      | 887           | -                      | 1,049         | -                      |
| Pulau Pinang                                  | Private      | 414                    | -                      | 423           | -                      | 471           | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>1,145</b>           | <b>73.33</b>           | <b>1,310</b>  | <b>82.20</b>           | <b>1,520</b>  | <b>93.34</b>           |
| Perak   | Public       | 896                    | -                      | 1,016         | -                      | 1,175         | -                      |
| Perak   | Private      | 256                    | -                      | 270           | -                      | 300           | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>1,152</b>           | <b>48.96</b>           | <b>1,286</b>  | <b>53.64</b>           | <b>1,475</b>  | <b>60.54</b>           |
| Selangor                                      | Public       | 1,618                  | -                      | 1,789         | -                      | 2,370         | -                      |
| Selangor                                      | Private      | 897                    | -                      | 980           | -                      | 1,138         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>2,515</b>           | <b>46.04</b>           | <b>2,769</b>  | <b>49.65</b>           | <b>3,508</b>  | <b>61.27</b>           |
| WP Putrajaya                                  | Public       | 212                    | -                      | 243           | -                      | 390           | -                      |
| WP Putrajaya                                  | Private      | na                     | -                      | na            | -                      | 0             | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>212</b>             | <b>292.77</b>          | <b>243</b>    | <b>318.06</b>          | <b>390</b>    | <b>472.73</b>          |
| WPKL  | Public       | 2,480                  | -                      | 2,607         | -                      | 2,724         | -                      |
| WPKL  | Private      | 808                    | -                      | 774           | -                      | 890           | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>3,288</b>           | <b>196.34</b>          | <b>3,381</b>  | <b>199.53</b>          | <b>3,614</b>  | <b>208.66</b>          |
| Selangor & WP Putrajaya & WPKL                | Public       | 4,310                  | -                      | 4,639         | -                      | 5,484         | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 1,705                  | -                      | 1,754         | -                      | 2,028         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>6,015</b>           | <b>83.44</b>           | <b>6,393</b>  | <b>87.00</b>           | <b>7,512</b>  | <b>99.63</b>           |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

# Medical practitioners refer to doctors with full MMC registration i.e. specialists AND medical officers; EXCLUDING house officers.

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

Table 4.1 [continued]: Number &amp; Density of Medical Practitioners in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Medical Practitioners† |                        |              |                        |              |                        |
|------------------------------|--------------|------------------------|------------------------|--------------|------------------------|--------------|------------------------|
|                              |              | 2010                   |                        | 2011         |                        | 2013         |                        |
|                              |              | Number                 | Per 100,000 population | Number       | Per 100,000 population | Number       | Per 100,000 population |
| Negeri Sembilan              | Public       | 453                    | -                      | 537          | -                      | 640          | -                      |
| Negeri Sembilan              | Private      | 135                    | -                      | 148          | -                      | 165          | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>588</b>             | <b>57.59</b>           | <b>685</b>   | <b>65.68</b>           | <b>805</b>   | <b>75.23</b>           |
| Melaka                       | Public       | 356                    | -                      | 439          | -                      | 551          | -                      |
| Melaka                       | Private      | 164                    | -                      | 184          | -                      | 197          | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>520</b>             | <b>63.33</b>           | <b>623</b>   | <b>74.79</b>           | <b>748</b>   | <b>87.75</b>           |
| Johor                        | Public       | 924                    | -                      | 1,130        | -                      | 1,320        | -                      |
| Johor                        | Private      | 256                    | -                      | 270          | -                      | 317          | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>1,180</b>           | <b>35.24</b>           | <b>1,400</b> | <b>41.15</b>           | <b>1,637</b> | <b>47.08</b>           |
| Pahang                       | Public       | 525                    | -                      | 625          | -                      | 757          | -                      |
| Pahang                       | Private      | 64                     | -                      | 74           | -                      | 87           | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>589</b>             | <b>39.25</b>           | <b>699</b>   | <b>45.84</b>           | <b>844</b>   | <b>53.67</b>           |
| Terengganu                   | Public       | 384                    | -                      | 408          | -                      | 574          | -                      |
| Terengganu                   | Private      | 11                     | -                      | 12           | -                      | 13           | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>395</b>             | <b>38.13</b>           | <b>420</b>   | <b>39.11</b>           | <b>587</b>   | <b>52.76</b>           |
| Kelantan                     | Public       | 873                    | -                      | 934          | -                      | 1,031        | -                      |
| Kelantan                     | Private      | 43                     | -                      | 44           | -                      | 42           | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>916</b>             | <b>59.50</b>           | <b>978</b>   | <b>60.55</b>           | <b>1,073</b> | <b>64.41</b>           |
| Sarawak                      | Public       | 623                    | -                      | 719          | -                      | 999          | -                      |
| Sarawak                      | Private      | 169                    | -                      | 182          | -                      | 187          | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>792</b>             | <b>32.05</b>           | <b>901</b>   | <b>35.81</b>           | <b>1,186</b> | <b>46.05</b>           |
| Sabah                        | Public       | 658                    | -                      | 837          | -                      | 1,061        | -                      |
| Sabah                        | Private      | 68                     | -                      | 73           | -                      | 80           | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>726</b>             | <b>22.64</b>           | <b>910</b>   | <b>27.44</b>           | <b>1,141</b> | <b>33.28</b>           |
| WP Labuan                    | Public       | 12                     | -                      | 16           | -                      | 36           | -                      |
| WP Labuan                    | Private      | na                     | -                      | na           | -                      | 0            | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>12</b>              | <b>13.81</b>           | <b>16</b>    | <b>17.82</b>           | <b>36</b>    | <b>38.59</b>           |
| Sabah & WP Labuan            | Public       | 670                    | -                      | 853          | -                      | 1,097        | -                      |
| Sabah & WP Labuan            | Private      | 68                     | -                      | 73           | -                      | 80           | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>738</b>             | <b>22.41</b>           | <b>926</b>   | <b>27.19</b>           | <b>1,177</b> | <b>33.43</b>           |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

† Medical practitioners refer to doctors with full MMC registration i.e. specialists AND medical officers; EXCLUDING house officers.

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



Table 4.1.1 : Number &amp; Density of Specialists and Medical Officers in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Specialists  |                        |              |                        |              |                        | Medical Officers |                        |              |                        |               |                        |
|---|--------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|------------------|------------------------|--------------|------------------------|---------------|------------------------|
|   |              | 2010         |                        | 2011         |                        | 2013         |                        | 2010             |                        | 2011         |                        | 2013          |                        |
|   |              | Number       | Per 100,000 population | Number       | Per 100,000 population | Number       | Per 100,000 population | Number           | Per 100,000 population | Number       | Per 100,000 population | Number        | Per 100,000 population |
| Malaysia                                      | Public       | 3,747        | -                      | 3,892        | -                      | 4,368        | -                      | 7,759            | -                      | 9,208        | -                      | 11,545        | -                      |
| Malaysia                                      | Private      | 2,929        | -                      | 3,081        | -                      | 3,420        | -                      | 470              | -                      | 473          | -                      | 594           | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>6,676</b> | <b>23.56</b>           | <b>6,973</b> | <b>24.08</b>           | <b>7,788</b> | <b>26.21</b>           | <b>8,229</b>     | <b>29.04</b>           | <b>9,681</b> | <b>33.42</b>           | <b>12,139</b> | <b>40.85</b>           |
| Perlis  | Public       | 40           | -                      | 40           | -                      | 45           | -                      | 80               | -                      | 100          | -                      | 126           | -                      |
| Perlis  | Private      | na           | -                      | na           | -                      | 0            | -                      | na               | -                      | na           | -                      | 0             | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>40</b>    | <b>17.28</b>           | <b>40</b>    | <b>16.84</b>           | <b>45</b>    | <b>18.64</b>           | <b>80</b>        | <b>34.55</b>           | <b>100</b>   | <b>42.11</b>           | <b>126</b>    | <b>52.20</b>           |
| Kedah   | Public       | 180          | -                      | 187          | -                      | 227          | -                      | 461              | -                      | 586          | -                      | 838           | -                      |
| Kedah   | Private      | 102          | -                      | 111          | -                      | 113          | -                      | 12               | -                      | 9            | -                      | 14            | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>282</b>   | <b>14.48</b>           | <b>298</b>   | <b>15.10</b>           | <b>340</b>   | <b>16.82</b>           | <b>473</b>       | <b>24.29</b>           | <b>595</b>   | <b>30.16</b>           | <b>852</b>    | <b>42.16</b>           |
| Kedah & Perlis                                | Public       | 220          | -                      | 227          | -                      | 272          | -                      | 541              | -                      | 686          | -                      | 964           | -                      |
| Kedah & Perlis                                | Private      | 102          | -                      | 111          | -                      | 113          | -                      | 12               | -                      | 9            | -                      | 14            | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>322</b>   | <b>14.78</b>           | <b>338</b>   | <b>15.29</b>           | <b>385</b>   | <b>17.02</b>           | <b>553</b>       | <b>25.38</b>           | <b>695</b>   | <b>31.44</b>           | <b>978</b>    | <b>43.23</b>           |
| Pulau Pinang                                  | Public       | 200          | -                      | 203          | -                      | 242          | -                      | 531              | -                      | 684          | -                      | 807           | -                      |
| Pulau Pinang                                  | Private      | 375          | -                      | 381          | -                      | 420          | -                      | 39               | -                      | 42           | -                      | 51            | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>575</b>   | <b>36.83</b>           | <b>584</b>   | <b>36.71</b>           | <b>662</b>   | <b>40.65</b>           | <b>570</b>       | <b>36.51</b>           | <b>726</b>   | <b>45.49</b>           | <b>858</b>    | <b>52.69</b>           |
| Perak   | Public       | 212          | -                      | 214          | -                      | 245          | -                      | 684              | -                      | 802          | -                      | 930           | -                      |
| Perak   | Private      | 220          | -                      | 235          | -                      | 251          | -                      | 36               | -                      | 35           | -                      | 49            | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>432</b>   | <b>18.36</b>           | <b>449</b>   | <b>18.73</b>           | <b>496</b>   | <b>20.36</b>           | <b>720</b>       | <b>30.60</b>           | <b>837</b>   | <b>34.91</b>           | <b>979</b>    | <b>40.18</b>           |
| Selangor                                      | Public       | 628          | -                      | 619          | -                      | 689          | -                      | 990              | -                      | 1,170        | -                      | 1,681         | -                      |
| Selangor                                      | Private      | 763          | -                      | 840          | -                      | 953          | -                      | 134              | -                      | 140          | -                      | 185           | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>1,391</b> | <b>25.47</b>           | <b>1,459</b> | <b>26.16</b>           | <b>1,642</b> | <b>28.68</b>           | <b>1,124</b>     | <b>20.58</b>           | <b>1,310</b> | <b>23.49</b>           | <b>1,866</b>  | <b>32.59</b>           |
| WP Putrajaya                                  | Public       | 74           | -                      | 78           | -                      | 98           | -                      | 138              | -                      | 165          | -                      | 292           | -                      |
| WP Putrajaya                                  | Private      | na           | -                      | na           | -                      | 0            | -                      | na               | -                      | na           | -                      | 0             | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>74</b>    | <b>102.19</b>          | <b>78</b>    | <b>102.09</b>          | <b>98</b>    | <b>118.79</b>          | <b>138</b>       | <b>190.57</b>          | <b>165</b>   | <b>215.97</b>          | <b>292</b>    | <b>353.94</b>          |
| WPKL  | Public       | 919          | -                      | 1,031        | -                      | 1,086        | -                      | 1,561            | -                      | 1,576        | -                      | 1,638         | -                      |
| WPKL  | Private      | 708          | -                      | 674          | -                      | 759          | -                      | 100              | -                      | 100          | -                      | 131           | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>1,627</b> | <b>97.16</b>           | <b>1,705</b> | <b>100.62</b>          | <b>1,845</b> | <b>106.52</b>          | <b>1,661</b>     | <b>99.19</b>           | <b>1,676</b> | <b>98.91</b>           | <b>1,769</b>  | <b>102.14</b>          |
| Selangor & WP Putrajaya & WPKL                | Public       | 1,621        | -                      | 1,728        | -                      | 1,873        | -                      | 2,689            | -                      | 2,911        | -                      | 3,611         | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 1,471        | -                      | 1,514        | -                      | 1,712        | -                      | 234              | -                      | 240          | -                      | 316           | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>3,092</b> | <b>42.89</b>           | <b>3,242</b> | <b>44.12</b>           | <b>3,585</b> | <b>47.55</b>           | <b>2,923</b>     | <b>40.55</b>           | <b>3,151</b> | <b>42.88</b>           | <b>3,927</b>  | <b>52.08</b>           |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.1 [continued]: Number &amp; Density of Specialists and Medical Officers in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Specialists |                        |            |                        |            |                        | Medical Officers |                        |            |                        |              |                        |
|------------------------------|--------------|-------------|------------------------|------------|------------------------|------------|------------------------|------------------|------------------------|------------|------------------------|--------------|------------------------|
|                              |              | 2010        |                        | 2011       |                        | 2013       |                        | 2010             |                        | 2011       |                        | 2013         |                        |
|                              |              | Number      | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number           | Per 100,000 population | Number     | Per 100,000 population | Number       | Per 100,000 population |
| Negeri Sembilan              | Public       | 123         | -                      | 119        | -                      | 154        | -                      | 330              | -                      | 418        | -                      | 486          | -                      |
| Negeri Sembilan              | Private      | 114         | -                      | 126        | -                      | 133        | -                      | 21               | -                      | 22         | -                      | 32           | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>237</b>  | <b>23.21</b>           | <b>245</b> | <b>23.49</b>           | <b>287</b> | <b>26.82</b>           | <b>351</b>       | <b>34.38</b>           | <b>440</b> | <b>42.19</b>           | <b>518</b>   | <b>48.41</b>           |
| Melaka                       | Public       | 95          | -                      | 78         | -                      | 111        | -                      | 261              | -                      | 361        | -                      | 440          | -                      |
| Melaka                       | Private      | 159         | -                      | 173        | -                      | 184        | -                      | 5                | -                      | 11         | -                      | 13           | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>254</b>  | <b>30.93</b>           | <b>251</b> | <b>30.13</b>           | <b>295</b> | <b>34.61</b>           | <b>266</b>       | <b>32.40</b>           | <b>372</b> | <b>44.66</b>           | <b>453</b>   | <b>53.14</b>           |
| Johor                        | Public       | 270         | -                      | 280        | -                      | 295        | -                      | 654              | -                      | 850        | -                      | 1,025        | -                      |
| Johor                        | Private      | 204         | -                      | 229        | -                      | 264        | -                      | 52               | -                      | 41         | -                      | 53           | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>474</b>  | <b>14.16</b>           | <b>509</b> | <b>14.96</b>           | <b>559</b> | <b>16.08</b>           | <b>706</b>       | <b>21.09</b>           | <b>891</b> | <b>26.19</b>           | <b>1,078</b> | <b>31.00</b>           |
| Pahang                       | Public       | 184         | -                      | 169        | -                      | 187        | -                      | 341              | -                      | 456        | -                      | 570          | -                      |
| Pahang                       | Private      | 49          | -                      | 59         | -                      | 74         | -                      | 15               | -                      | 15         | -                      | 13           | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>233</b>  | <b>15.52</b>           | <b>228</b> | <b>14.95</b>           | <b>261</b> | <b>16.60</b>           | <b>356</b>       | <b>23.72</b>           | <b>471</b> | <b>30.89</b>           | <b>583</b>   | <b>37.07</b>           |
| Terengganu                   | Public       | 108         | -                      | 110        | -                      | 134        | -                      | 276              | -                      | 298        | -                      | 440          | -                      |
| Terengganu                   | Private      | 6           | -                      | 7          | -                      | 10         | -                      | 5                | -                      | 5          | -                      | 3            | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>114</b>  | <b>11.00</b>           | <b>117</b> | <b>10.89</b>           | <b>144</b> | <b>12.94</b>           | <b>281</b>       | <b>27.12</b>           | <b>303</b> | <b>28.21</b>           | <b>443</b>   | <b>39.82</b>           |
| Kelantan                     | Public       | 330         | -                      | 365        | -                      | 379        | -                      | 543              | -                      | 569        | -                      | 652          | -                      |
| Kelantan                     | Private      | 34          | -                      | 33         | -                      | 34         | -                      | 9                | -                      | 11         | -                      | 8            | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>364</b>  | <b>23.64</b>           | <b>398</b> | <b>24.64</b>           | <b>413</b> | <b>24.79</b>           | <b>552</b>       | <b>35.85</b>           | <b>580</b> | <b>35.91</b>           | <b>660</b>   | <b>39.62</b>           |
| Sarawak                      | Public       | 188         | -                      | 192        | -                      | 233        | -                      | 435              | -                      | 527        | -                      | 766          | -                      |
| Sarawak                      | Private      | 132         | -                      | 145        | -                      | 148        | -                      | 37               | -                      | 37         | -                      | 39           | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>320</b>  | <b>12.95</b>           | <b>337</b> | <b>13.39</b>           | <b>381</b> | <b>14.79</b>           | <b>472</b>       | <b>19.10</b>           | <b>564</b> | <b>22.41</b>           | <b>805</b>   | <b>31.26</b>           |
| Sabah                        | Public       | 192         | -                      | 203        | -                      | 236        | -                      | 466              | -                      | 634        | -                      | 825          | -                      |
| Sabah                        | Private      | 63          | -                      | 68         | -                      | 77         | -                      | 5                | -                      | 5          | -                      | 3            | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>255</b>  | <b>7.95</b>            | <b>271</b> | <b>8.17</b>            | <b>313</b> | <b>9.13</b>            | <b>471</b>       | <b>14.69</b>           | <b>639</b> | <b>19.27</b>           | <b>828</b>   | <b>24.15</b>           |
| WP Labuan                    | Public       | 4           | -                      | 4          | -                      | 7          | -                      | 8                | -                      | 12         | -                      | 29           | -                      |
| WP Labuan                    | Private      | na          | -                      | na         | -                      | 0          | -                      | na               | -                      | na         | -                      | 0            | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>4</b>    | <b>4.60</b>            | <b>4</b>   | <b>4.45</b>            | <b>7</b>   | <b>7.50</b>            | <b>8</b>         | <b>9.21</b>            | <b>12</b>  | <b>13.36</b>           | <b>29</b>    | <b>31.08</b>           |
| Sabah & WP Labuan            | Public       | 196         | -                      | 207        | -                      | 243        | -                      | 474              | -                      | 646        | -                      | 854          | -                      |
| Sabah & WP Labuan            | Private      | 63          | -                      | 68         | -                      | 77         | -                      | 5                | -                      | 5          | -                      | 3            | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>259</b>  | <b>7.86</b>            | <b>275</b> | <b>8.07</b>            | <b>320</b> | <b>9.09</b>            | <b>479</b>       | <b>14.54</b>           | <b>651</b> | <b>19.11</b>           | <b>857</b>   | <b>24.34</b>           |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.2 : Number &amp; Density of Internal Medicine Specialists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Internal Medicine Specialists † |                        |            |                        |            |                        |
|---|--------------|---------------------------------|------------------------|------------|------------------------|------------|------------------------|
|   |              | 2010                            |                        | 2011       |                        | 2013       |                        |
|   |              | Number                          | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population |
| Malaysia                                      | Public       | 329                             | -                      | 327        | -                      | 368        | -                      |
| Malaysia                                      | Private      | 149                             | -                      | 163        | -                      | 151        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>478</b>                      | <b>1.69</b>            | <b>490</b> | <b>1.69</b>            | <b>519</b> | <b>1.75</b>            |
| Perlis  | Public       | 5                               | -                      | 3          | -                      | 4          | -                      |
| Perlis  | Private      | na                              | -                      | na         | -                      | 0          | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>5</b>                        | <b>2.16</b>            | <b>3</b>   | <b>1.26</b>            | <b>4</b>   | <b>1.66</b>            |
| Kedah   | Public       | 23                              | -                      | 26         | -                      | 23         | -                      |
| Kedah   | Private      | 3                               | -                      | 5          | -                      | 5          | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>26</b>                       | <b>1.33</b>            | <b>31</b>  | <b>1.57</b>            | <b>28</b>  | <b>1.39</b>            |
| Kedah & Perlis                                | Public       | 28                              | -                      | 29         | -                      | 27         | -                      |
| Kedah & Perlis                                | Private      | 3                               | -                      | 5          | -                      | 5          | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>31</b>                       | <b>1.42</b>            | <b>34</b>  | <b>1.54</b>            | <b>32</b>  | <b>1.41</b>            |
| Pulau Pinang                                  | Public       | 19                              | -                      | 28         | -                      | 28         | -                      |
| Pulau Pinang                                  | Private      | 16                              | -                      | 19         | -                      | 17         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>35</b>                       | <b>2.24</b>            | <b>47</b>  | <b>2.95</b>            | <b>45</b>  | <b>2.76</b>            |
| Perak   | Public       | 19                              | -                      | 18         | -                      | 26         | -                      |
| Perak   | Private      | 13                              | -                      | 15         | -                      | 14         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>32</b>                       | <b>1.36</b>            | <b>33</b>  | <b>1.38</b>            | <b>40</b>  | <b>1.64</b>            |
| Selangor                                      | Public       | 63                              | -                      | 52         | -                      | 66         | -                      |
| Selangor                                      | Private      | 21                              | -                      | 26         | -                      | 25         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>84</b>                       | <b>1.54</b>            | <b>78</b>  | <b>1.40</b>            | <b>91</b>  | <b>1.59</b>            |
| WP Putrajaya                                  | Public       | 5                               | -                      | 4          | -                      | 12         | -                      |
| WP Putrajaya                                  | Private      | na                              | -                      | na         | -                      | na         | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>5</b>                        | <b>6.90</b>            | <b>4</b>   | <b>5.24</b>            | <b>12</b>  | <b>14.55</b>           |
| WPKL  | Public       | 49                              | -                      | 63         | -                      | 72         | -                      |
| WPKL  | Private      | 31                              | -                      | 29         | -                      | 26         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>80</b>                       | <b>4.78</b>            | <b>92</b>  | <b>5.43</b>            | <b>98</b>  | <b>5.66</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 117                             | -                      | 119        | -                      | 150        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 52                              | -                      | 55         | -                      | 51         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>169</b>                      | <b>2.34</b>            | <b>174</b> | <b>2.37</b>            | <b>201</b> | <b>2.67</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

† Internal medicine specialists EXCLUDE specialists from the medical subspecialties (e.g. cardiology, respiratory medicine, nephrology, etc.)

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



Table 4.1.2 [continued]: Number &amp; Density of Internal Medicine Specialists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Internal Medicine Specialists † |                        |           |                        |           |                        |
|------------------------------|--------------|---------------------------------|------------------------|-----------|------------------------|-----------|------------------------|
|                              |              | 2010                            |                        | 2011      |                        | 2013      |                        |
|                              |              | Number                          | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Negeri Sembilan              | Public       | 14                              | -                      | 10        | -                      | 15        | -                      |
| Negeri Sembilan              | Private      | 14                              | -                      | 17        | -                      | 13        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>28</b>                       | <b>2.74</b>            | <b>27</b> | <b>2.59</b>            | <b>28</b> | <b>2.62</b>            |
| Melaka                       | Public       | 12                              | -                      | 7         | -                      | 9         | -                      |
| Melaka                       | Private      | 10                              | -                      | 10        | -                      | 11        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>22</b>                       | <b>2.68</b>            | <b>17</b> | <b>2.04</b>            | <b>20</b> | <b>2.35</b>            |
| Johor                        | Public       | 21                              | -                      | 20        | -                      | 19        | -                      |
| Johor                        | Private      | 13                              | -                      | 14        | -                      | 19        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>34</b>                       | <b>1.02</b>            | <b>34</b> | <b>1.00</b>            | <b>38</b> | <b>1.09</b>            |
| Pahang                       | Public       | 22                              | -                      | 22        | -                      | 17        | -                      |
| Pahang                       | Private      | 9                               | -                      | 7         | -                      | 5         | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>31</b>                       | <b>2.07</b>            | <b>29</b> | <b>1.90</b>            | <b>22</b> | <b>1.40</b>            |
| Terengganu                   | Public       | 17                              | -                      | 15        | -                      | 10        | -                      |
| Terengganu                   | Private      | 1                               | -                      | 1         | -                      | 2         | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>18</b>                       | <b>1.74</b>            | <b>16</b> | <b>1.49</b>            | <b>12</b> | <b>1.08</b>            |
| Kelantan                     | Public       | 15                              | -                      | 14        | -                      | 14        | -                      |
| Kelantan                     | Private      | 3                               | -                      | 3         | -                      | 1         | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>18</b>                       | <b>1.17</b>            | <b>17</b> | <b>1.05</b>            | <b>15</b> | <b>0.90</b>            |
| Sarawak                      | Public       | 21                              | -                      | 23        | -                      | 25        | -                      |
| Sarawak                      | Private      | 10                              | -                      | 11        | -                      | 9         | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>31</b>                       | <b>1.25</b>            | <b>34</b> | <b>1.35</b>            | <b>34</b> | <b>1.32</b>            |
| Sabah                        | Public       | 23                              | -                      | 21        | -                      | 27        | -                      |
| Sabah                        | Private      | 5                               | -                      | 6         | -                      | 4         | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>28</b>                       | <b>0.87</b>            | <b>27</b> | <b>0.81</b>            | <b>31</b> | <b>0.90</b>            |
| WP Labuan                    | Public       | 1                               | -                      | 1         | -                      | 1         | -                      |
| WP Labuan                    | Private      | na                              | -                      | na        | -                      | na        | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>1</b>                        | <b>1.15</b>            | <b>1</b>  | <b>1.11</b>            | <b>1</b>  | <b>1.07</b>            |
| Sabah & WP Labuan            | Public       | 24                              | -                      | 22        | -                      | 28        | -                      |
| Sabah & WP Labuan            | Private      | 5                               | -                      | 6         | -                      | 4         | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>29</b>                       | <b>0.88</b>            | <b>28</b> | <b>0.82</b>            | <b>32</b> | <b>0.91</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

† Internal medicine specialists EXCLUDE specialists from the medical subspecialties (e.g. cardiology, respiratory medicine, nephrology, etc.)

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

**Table 4.1.3 : Number & Density of Cardiologists, Respiratory Medicine Specialists and Nephrologists in Acute Curative Hospitals in Malaysia by State & Sector, 2010, 2011 & 2013**

| State   | Sector *     | Cardiologists |                        |            |                        |            |                        | Respiratory Medicine Specialists |                        |           |                        |           |                        | Nephrologists |                        |            |                        |            |                        |
|---|--------------|---------------|------------------------|------------|------------------------|------------|------------------------|----------------------------------|------------------------|-----------|------------------------|-----------|------------------------|---------------|------------------------|------------|------------------------|------------|------------------------|
|   |              | 2010          |                        | 2011       |                        | 2013       |                        | 2010                             |                        | 2011      |                        | 2013      |                        | 2010          |                        | 2011       |                        | 2013       |                        |
|   |              | Number        | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number                           | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number        | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population |
| Malaysia                                      | Public       | 47            | -                      | 39         | -                      | 53         | -                      | 30                               | -                      | 32        | -                      | 35        | -                      | 64            | -                      | 62         | -                      | 75         | -                      |
| Malaysia                                      | Private      | 155           | -                      | 160        | -                      | 194        | -                      | 37                               | -                      | 36        | -                      | 44        | -                      | 43            | -                      | 50         | -                      | 58         | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>202</b>    | <b>0.71</b>            | <b>199</b> | <b>0.69</b>            | <b>247</b> | <b>0.83</b>            | <b>67</b>                        | <b>0.24</b>            | <b>68</b> | <b>0.23</b>            | <b>79</b> | <b>0.27</b>            | <b>107</b>    | <b>0.38</b>            | <b>112</b> | <b>0.39</b>            | <b>133</b> | <b>0.45</b>            |
| Perlis  | Public       | 0             | -                      | 0          | -                      | 0          | -                      | 0                                | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0          | -                      | 0          | -                      |
| Perlis  | Private      | na            | -                      | na         | -                      | na         | -                      | na                               | -                      | na        | -                      | na        | -                      | na            | -                      | na         | -                      | na         | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>0</b>      | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>                         | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            |
| Kedah   | Public       | 0             | -                      | 1          | -                      | 4          | -                      | 2                                | -                      | 2         | -                      | 4         | -                      | 2             | -                      | 2          | -                      | 3          | -                      |
| Kedah   | Private      | 6             | -                      | 6          | -                      | 6          | -                      | 1                                | -                      | 1         | -                      | 1         | -                      | 1             | -                      | 1          | -                      | 2          | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>6</b>      | <b>0.31</b>            | <b>7</b>   | <b>0.35</b>            | <b>10</b>  | <b>0.49</b>            | <b>3</b>                         | <b>0.15</b>            | <b>3</b>  | <b>0.15</b>            | <b>5</b>  | <b>0.25</b>            | <b>3</b>      | <b>0.15</b>            | <b>4</b>   | <b>0.20</b>            | <b>5</b>   | <b>0.25</b>            |
| Kedah & Perlis                                | Public       | 0             | -                      | 1          | -                      | 4          | -                      | 2                                | -                      | 2         | -                      | 4         | -                      | 2             | -                      | 2          | -                      | 3          | -                      |
| Kedah & Perlis                                | Private      | 6             | -                      | 6          | -                      | 6          | -                      | 1                                | -                      | 1         | -                      | 1         | -                      | 1             | -                      | 1          | -                      | 2          | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>6</b>      | <b>0.28</b>            | <b>7</b>   | <b>0.32</b>            | <b>10</b>  | <b>0.44</b>            | <b>3</b>                         | <b>0.14</b>            | <b>3</b>  | <b>0.14</b>            | <b>5</b>  | <b>0.22</b>            | <b>3</b>      | <b>0.14</b>            | <b>4</b>   | <b>0.18</b>            | <b>5</b>   | <b>0.22</b>            |
| Pulau Pinang                                  | Public       | 8             | -                      | 2          | -                      | 9          | -                      | 3                                | -                      | 2         | -                      | 4         | -                      | 6             | -                      | 6          | -                      | 6          | -                      |
| Pulau Pinang                                  | Private      | 19            | -                      | 19         | -                      | 28         | -                      | 6                                | -                      | 6         | -                      | 7         | -                      | 7             | -                      | 8          | -                      | 9          | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>27</b>     | <b>1.73</b>            | <b>21</b>  | <b>1.32</b>            | <b>37</b>  | <b>2.27</b>            | <b>9</b>                         | <b>0.58</b>            | <b>8</b>  | <b>0.50</b>            | <b>11</b> | <b>0.68</b>            | <b>13</b>     | <b>0.83</b>            | <b>14</b>  | <b>0.88</b>            | <b>15</b>  | <b>0.92</b>            |
| Perak   | Public       | 0             | -                      | 1          | -                      | 1          | -                      | 2                                | -                      | 2         | -                      | 3         | -                      | 1             | -                      | 1          | -                      | 4          | -                      |
| Perak   | Private      | 10            | -                      | 10         | -                      | 11         | -                      | 3                                | -                      | 3         | -                      | 4         | -                      | 5             | -                      | 5          | -                      | 5          | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>10</b>     | <b>0.43</b>            | <b>11</b>  | <b>0.46</b>            | <b>12</b>  | <b>0.49</b>            | <b>5</b>                         | <b>0.21</b>            | <b>5</b>  | <b>0.21</b>            | <b>7</b>  | <b>0.29</b>            | <b>6</b>      | <b>0.26</b>            | <b>6</b>   | <b>0.25</b>            | <b>9</b>   | <b>0.37</b>            |
| Selangor                                      | Public       | 9             | -                      | 7          | -                      | 7          | -                      | 1                                | -                      | 2         | -                      | 3         | -                      | 13            | -                      | 12         | -                      | 17         | -                      |
| Selangor                                      | Private      | 32            | -                      | 33         | -                      | 41         | -                      | 14                               | -                      | 14        | -                      | 17        | -                      | 15            | -                      | 17         | -                      | 18         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>41</b>     | <b>0.75</b>            | <b>40</b>  | <b>0.72</b>            | <b>48</b>  | <b>0.84</b>            | <b>15</b>                        | <b>0.27</b>            | <b>16</b> | <b>0.29</b>            | <b>20</b> | <b>0.35</b>            | <b>28</b>     | <b>0.51</b>            | <b>29</b>  | <b>0.52</b>            | <b>35</b>  | <b>0.61</b>            |
| WP Putrajaya                                  | Public       | 0             | -                      | 0          | -                      | 0          | -                      | 0                                | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0          | -                      | 0          | -                      |
| WP Putrajaya                                  | Private      | na            | -                      | na         | -                      | na         | -                      | na                               | -                      | na        | -                      | na        | -                      | na            | -                      | na         | -                      | na         | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>0</b>      | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>                         | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            |
| WPKL  | Public       | 9             | -                      | 8          | -                      | 8          | -                      | 13                               | -                      | 15        | -                      | 13        | -                      | 22            | -                      | 20         | -                      | 21         | -                      |
| WPKL  | Private      | 52            | -                      | 52         | -                      | 65         | -                      | 11                               | -                      | 9         | -                      | 11        | -                      | 6             | -                      | 6          | -                      | 7          | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>61</b>     | <b>3.64</b>            | <b>60</b>  | <b>3.54</b>            | <b>73</b>  | <b>4.21</b>            | <b>24</b>                        | <b>1.43</b>            | <b>24</b> | <b>1.42</b>            | <b>24</b> | <b>1.39</b>            | <b>28</b>     | <b>1.67</b>            | <b>26</b>  | <b>1.53</b>            | <b>28</b>  | <b>1.62</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 18            | -                      | 15         | -                      | 15         | -                      | 14                               | -                      | 17        | -                      | 16        | -                      | 35            | -                      | 32         | -                      | 38         | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 84            | -                      | 85         | -                      | 106        | -                      | 25                               | -                      | 23        | -                      | 28        | -                      | 21            | -                      | 23         | -                      | 25         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>102</b>    | <b>1.41</b>            | <b>100</b> | <b>1.36</b>            | <b>121</b> | <b>1.60</b>            | <b>39</b>                        | <b>0.54</b>            | <b>40</b> | <b>0.54</b>            | <b>44</b> | <b>0.58</b>            | <b>56</b>     | <b>0.78</b>            | <b>55</b>  | <b>0.75</b>            | <b>63</b>  | <b>0.84</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 & 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.3 [continued]: Number &amp; Density of Cardiologists, Respiratory Medicine Specialists and Nephrologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State             | Sector *     | Cardiologists |                        |           |                        |           |                        | Respiratory Medicine Specialists |                        |          |                        |          |                        | Nephrologists |                        |          |                        |          |                        |
|-------------------|--------------|---------------|------------------------|-----------|------------------------|-----------|------------------------|----------------------------------|------------------------|----------|------------------------|----------|------------------------|---------------|------------------------|----------|------------------------|----------|------------------------|
|                   |              | 2010          |                        | 2011      |                        | 2013      |                        | 2010                             |                        | 2011     |                        | 2013     |                        | 2010          |                        | 2011     |                        | 2013     |                        |
|                   |              | Number        | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number                           | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number        | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan   | Public       | 0             | -                      | 0         | -                      | 0         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 2             | -                      | 2        | -                      | 3        | -                      |
|                   | Private      | 3             | -                      | 4         | -                      | 5         | -                      | 1                                | -                      | 1        | -                      | 1        | -                      | 2             | -                      | 2        | -                      | 3        | -                      |
| Negeri Sembilan   | <b>Total</b> | <b>3</b>      | <b>0.29</b>            | <b>4</b>  | <b>0.38</b>            | <b>5</b>  | <b>0.47</b>            | <b>1</b>                         | <b>0.10</b>            | <b>1</b> | <b>0.10</b>            | <b>1</b> | <b>0.09</b>            | <b>4</b>      | <b>0.39</b>            | <b>4</b> | <b>0.38</b>            | <b>6</b> | <b>0.56</b>            |
|                   | Public       | 0             | -                      | 0         | -                      | 0         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 1             | -                      | 1        | -                      | 2        | -                      |
| Melaka            | Private      | 11            | -                      | 11        | -                      | 11        | -                      | 1                                | -                      | 1        | -                      | 1        | -                      | 3             | -                      | 4        | -                      | 3        | -                      |
|                   | <b>Total</b> | <b>11</b>     | <b>1.34</b>            | <b>11</b> | <b>1.32</b>            | <b>11</b> | <b>1.29</b>            | <b>1</b>                         | <b>0.12</b>            | <b>1</b> | <b>0.12</b>            | <b>1</b> | <b>0.12</b>            | <b>4</b>      | <b>0.49</b>            | <b>5</b> | <b>0.60</b>            | <b>5</b> | <b>0.59</b>            |
| Johor             | Public       | 5             | -                      | 5         | -                      | 6         | -                      | 2                                | -                      | 2        | -                      | 1        | -                      | 3             | -                      | 3        | -                      | 4        | -                      |
|                   | Private      | 6             | -                      | 8         | -                      | 9         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 1             | -                      | 2        | -                      | 3        | -                      |
| Johor             | <b>Total</b> | <b>11</b>     | <b>0.33</b>            | <b>13</b> | <b>0.38</b>            | <b>15</b> | <b>0.43</b>            | <b>2</b>                         | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            | <b>1</b> | <b>0.03</b>            | <b>4</b>      | <b>0.12</b>            | <b>5</b> | <b>0.15</b>            | <b>7</b> | <b>0.20</b>            |
|                   | Public       | 3             | -                      | 2         | -                      | 2         | -                      | 1                                | -                      | 1        | -                      | 1        | -                      | 2             | -                      | 2        | -                      | 3        | -                      |
| Pahang            | Private      | 1             | -                      | 2         | -                      | 2         | -                      | 0                                | -                      | 0        | -                      | 1        | -                      | 0             | -                      | 0        | -                      | 1        | -                      |
|                   | <b>Total</b> | <b>4</b>      | <b>0.27</b>            | <b>4</b>  | <b>0.26</b>            | <b>4</b>  | <b>0.25</b>            | <b>1</b>                         | <b>0.07</b>            | <b>2</b> | <b>0.13</b>            | <b>2</b> | <b>0.13</b>            | <b>2</b>      | <b>0.13</b>            | <b>2</b> | <b>0.13</b>            | <b>4</b> | <b>0.25</b>            |
| Terengganu        | Public       | 0             | -                      | 0         | -                      | 3         | -                      | 1                                | -                      | 1        | -                      | 1        | -                      | 1             | -                      | 1        | -                      | 2        | -                      |
|                   | Private      | 1             | -                      | 1         | -                      | 1         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| Terengganu        | <b>Total</b> | <b>1</b>      | <b>0.10</b>            | <b>1</b>  | <b>0.09</b>            | <b>4</b>  | <b>0.36</b>            | <b>1</b>                         | <b>0.10</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.09</b>            | <b>1</b>      | <b>0.10</b>            | <b>2</b> | <b>0.19</b>            | <b>2</b> | <b>0.18</b>            |
|                   | Public       | 3             | -                      | 3         | -                      | 3         | -                      | 1                                | -                      | 1        | -                      | 1        | -                      | 4             | -                      | 4        | -                      | 5        | -                      |
| Kelantan          | Private      | 2             | -                      | 2         | -                      | 2         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 1        | -                      | 1        | -                      |
|                   | <b>Total</b> | <b>5</b>      | <b>0.32</b>            | <b>5</b>  | <b>0.31</b>            | <b>5</b>  | <b>0.30</b>            | <b>1</b>                         | <b>0.06</b>            | <b>2</b> | <b>0.12</b>            | <b>2</b> | <b>0.12</b>            | <b>4</b>      | <b>0.26</b>            | <b>5</b> | <b>0.31</b>            | <b>6</b> | <b>0.36</b>            |
| Sarawak           | Public       | 7             | -                      | 6         | -                      | 8         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 3             | -                      | 3        | -                      | 4        | -                      |
|                   | Private      | 9             | -                      | 9         | -                      | 9         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 2             | -                      | 2        | -                      | 2        | -                      |
| Sarawak           | <b>Total</b> | <b>16</b>     | <b>0.65</b>            | <b>15</b> | <b>0.60</b>            | <b>17</b> | <b>0.66</b>            | <b>0</b>                         | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>2</b> | <b>0.08</b>            | <b>5</b>      | <b>0.20</b>            | <b>5</b> | <b>0.20</b>            | <b>6</b> | <b>0.23</b>            |
|                   | Public       | 3             | -                      | 4         | -                      | 2         | -                      | 4                                | -                      | 4        | -                      | 2        | -                      | 4             | -                      | 4        | -                      | 1        | -                      |
| Sabah             | Private      | 3             | -                      | 3         | -                      | 4         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 1             | -                      | 1        | -                      | 4        | -                      |
|                   | <b>Total</b> | <b>6</b>      | <b>0.19</b>            | <b>7</b>  | <b>0.21</b>            | <b>6</b>  | <b>0.18</b>            | <b>4</b>                         | <b>0.12</b>            | <b>4</b> | <b>0.12</b>            | <b>2</b> | <b>0.06</b>            | <b>5</b>      | <b>0.16</b>            | <b>5</b> | <b>0.15</b>            | <b>5</b> | <b>0.15</b>            |
| WP Labuan         | Public       | 0             | -                      | 0         | -                      | 0         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
|                   | Private      | na            | -                      | na        | -                      | na        | -                      | na                               | -                      | na       | -                      | na       | -                      | na            | -                      | na       | -                      | na       | -                      |
| WP Labuan         | <b>Total</b> | <b>0</b>      | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                         | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
|                   | Public       | 3             | -                      | 4         | -                      | 2         | -                      | 4                                | -                      | 4        | -                      | 2        | -                      | 4             | -                      | 4        | -                      | 1        | -                      |
| Sabah & WP Labuan | Private      | 3             | -                      | 3         | -                      | 4         | -                      | 0                                | -                      | 0        | -                      | 0        | -                      | 1             | -                      | 1        | -                      | 4        | -                      |
|                   | <b>Total</b> | <b>6</b>      | <b>0.18</b>            | <b>7</b>  | <b>0.21</b>            | <b>6</b>  | <b>0.17</b>            | <b>4</b>                         | <b>0.12</b>            | <b>4</b> | <b>0.12</b>            | <b>2</b> | <b>0.06</b>            | <b>5</b>      | <b>0.15</b>            | <b>5</b> | <b>0.15</b>            | <b>5</b> | <b>0.14</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.4 : Number &amp; Density of Endocrinologists, Neurologists and Rheumatologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Endocrinologists |                        |           |                        |           |                        | Neurologists |                        |           |                        |           |                        | Rheumatologists |                        |           |                        |           |                        |
|---|--------------|------------------|------------------------|-----------|------------------------|-----------|------------------------|--------------|------------------------|-----------|------------------------|-----------|------------------------|-----------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010             |                        | 2011      |                        | 2013      |                        | 2010         |                        | 2011      |                        | 2013      |                        | 2010            |                        | 2011      |                        | 2013      |                        |
|   |              | Number           | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number       | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number          | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 33               | -                      | 34        | -                      | 36        | -                      | 28           | -                      | 30        | -                      | 41        | -                      | 25              | -                      | 26        | -                      | 40        | -                      |
| Malaysia                                      | Private      | 19               | -                      | 18        | -                      | 23        | -                      | 35           | -                      | 36        | -                      | 42        | -                      | 13              | -                      | 14        | -                      | 15        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>52</b>        | <b>0.18</b>            | <b>52</b> | <b>0.18</b>            | <b>59</b> | <b>0.20</b>            | <b>63</b>    | <b>0.22</b>            | <b>66</b> | <b>0.23</b>            | <b>83</b> | <b>0.28</b>            | <b>38</b>       | <b>0.13</b>            | <b>40</b> | <b>0.14</b>            | <b>55</b> | <b>0.19</b>            |
| Perlis  | Public       | 0                | -                      | 0         | -                      | 0         | -                      | 0            | -                      | 0         | -                      | 0         | -                      | 0               | -                      | 0         | -                      | 0         | -                      |
| Perlis  | Private      | na               | -                      | na        | -                      | na        | -                      | na           | -                      | na        | -                      | na        | -                      | na              | -                      | na        | -                      | na        | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>0</b>         | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>     | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah   | Public       | 0                | -                      | 0         | -                      | 1         | -                      | 0            | -                      | 0         | -                      | 1         | -                      | 0               | -                      | 0         | -                      | 0         | -                      |
| Kedah   | Private      | 0                | -                      | 0         | -                      | 0         | -                      | 1            | -                      | 1         | -                      | 1         | -                      | 0               | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>0</b>         | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>0.05</b>            | <b>1</b>     | <b>0.05</b>            | <b>1</b>  | <b>0.05</b>            | <b>2</b>  | <b>0.10</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah & Perlis                                | Public       | 0                | -                      | 0         | -                      | 1         | -                      | 0            | -                      | 0         | -                      | 1         | -                      | 0               | -                      | 0         | -                      | 0         | -                      |
| Kedah & Perlis                                | Private      | 0                | -                      | 0         | -                      | 0         | -                      | 1            | -                      | 1         | -                      | 1         | -                      | 0               | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>0</b>         | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>0.04</b>            | <b>1</b>     | <b>0.05</b>            | <b>1</b>  | <b>0.05</b>            | <b>2</b>  | <b>0.09</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Pulau Pinang                                  | Public       | 2                | -                      | 2         | -                      | 4         | -                      | 3            | -                      | 3         | -                      | 2         | -                      | 0               | -                      | 0         | -                      | 2         | -                      |
| Pulau Pinang                                  | Private      | 4                | -                      | 3         | -                      | 2         | -                      | 5            | -                      | 5         | -                      | 6         | -                      | 1               | -                      | 1         | -                      | 1         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>6</b>         | <b>0.38</b>            | <b>5</b>  | <b>0.31</b>            | <b>6</b>  | <b>0.37</b>            | <b>8</b>     | <b>0.51</b>            | <b>8</b>  | <b>0.50</b>            | <b>8</b>  | <b>0.49</b>            | <b>1</b>        | <b>0.06</b>            | <b>1</b>  | <b>0.06</b>            | <b>3</b>  | <b>0.18</b>            |
| Perak   | Public       | 1                | -                      | 1         | -                      | 2         | -                      | 0            | -                      | 1         | -                      | 0         | -                      | 1               | -                      | 1         | -                      | 1         | -                      |
| Perak   | Private      | 1                | -                      | 1         | -                      | 1         | -                      | 2            | -                      | 2         | -                      | 2         | -                      | 1               | -                      | 1         | -                      | 1         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>2</b>         | <b>0.09</b>            | <b>2</b>  | <b>0.08</b>            | <b>3</b>  | <b>0.12</b>            | <b>2</b>     | <b>0.09</b>            | <b>3</b>  | <b>0.13</b>            | <b>2</b>  | <b>0.08</b>            | <b>2</b>        | <b>0.09</b>            | <b>2</b>  | <b>0.08</b>            | <b>2</b>  | <b>0.08</b>            |
| Selangor                                      | Public       | 2                | -                      | 2         | -                      | 4         | -                      | 0            | -                      | 0         | -                      | 1         | -                      | 7               | -                      | 6         | -                      | 9         | -                      |
| Selangor                                      | Private      | 8                | -                      | 9         | -                      | 10        | -                      | 11           | -                      | 11        | -                      | 15        | -                      | 5               | -                      | 6         | -                      | 6         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>10</b>        | <b>0.18</b>            | <b>11</b> | <b>0.20</b>            | <b>14</b> | <b>0.24</b>            | <b>11</b>    | <b>0.20</b>            | <b>11</b> | <b>0.20</b>            | <b>16</b> | <b>0.28</b>            | <b>12</b>       | <b>0.22</b>            | <b>12</b> | <b>0.22</b>            | <b>15</b> | <b>0.26</b>            |
| WP Putrajaya                                  | Public       | 8                | -                      | 8         | -                      | 5         | -                      | 0            | -                      | 0         | -                      | 0         | -                      | 5               | -                      | 5         | -                      | 4         | -                      |
| WP Putrajaya                                  | Private      | na               | -                      | na        | -                      | na        | -                      | na           | -                      | na        | -                      | na        | -                      | na              | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>8</b>         | <b>11.05</b>           | <b>8</b>  | <b>10.47</b>           | <b>5</b>  | <b>6.06</b>            | <b>0</b>     | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>5</b>        | <b>6.90</b>            | <b>5</b>  | <b>6.54</b>            | <b>4</b>  | <b>4.85</b>            |
| WPKL  | Public       | 13               | -                      | 13        | -                      | 12        | -                      | 22           | -                      | 20        | -                      | 28        | -                      | 3               | -                      | 3         | -                      | 6         | -                      |
| WPKL  | Private      | 5                | -                      | 5         | -                      | 8         | -                      | 10           | -                      | 10        | -                      | 10        | -                      | 4               | -                      | 4         | -                      | 4         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>18</b>        | <b>1.07</b>            | <b>18</b> | <b>1.06</b>            | <b>20</b> | <b>1.15</b>            | <b>32</b>    | <b>1.91</b>            | <b>30</b> | <b>1.77</b>            | <b>38</b> | <b>2.19</b>            | <b>7</b>        | <b>0.42</b>            | <b>7</b>  | <b>0.41</b>            | <b>10</b> | <b>0.58</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 23               | -                      | 23        | -                      | 21        | -                      | 22           | -                      | 20        | -                      | 29        | -                      | 15              | -                      | 14        | -                      | 19        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 13               | -                      | 14        | -                      | 18        | -                      | 21           | -                      | 21        | -                      | 25        | -                      | 9               | -                      | 10        | -                      | 10        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>36</b>        | <b>0.50</b>            | <b>37</b> | <b>0.50</b>            | <b>39</b> | <b>0.52</b>            | <b>43</b>    | <b>0.60</b>            | <b>41</b> | <b>0.56</b>            | <b>54</b> | <b>0.72</b>            | <b>24</b>       | <b>0.33</b>            | <b>24</b> | <b>0.33</b>            | <b>29</b> | <b>0.38</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1

Table 4.1.4 (continued): Number &amp; Density of Endocrinologists, Neurologists and Rheumatologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Endocrinologists |                        |          |                        |             |                        | Neurologists |                        |             |                        |             |                        | Rheumatologists |                        |             |                        |             |                        |
|------------------------------|--------------|------------------|------------------------|----------|------------------------|-------------|------------------------|--------------|------------------------|-------------|------------------------|-------------|------------------------|-----------------|------------------------|-------------|------------------------|-------------|------------------------|
|                              |              | 2010             |                        | 2011     |                        | 2013        |                        | 2010         |                        | 2011        |                        | 2013        |                        | 2010            |                        | 2011        |                        | 2013        |                        |
|                              |              | Number           | Per 100,000 population | Number   | Per 100,000 population | Number      | Per 100,000 population | Number       | Per 100,000 population | Number      | Per 100,000 population | Number      | Per 100,000 population | Number          | Per 100,000 population | Number      | Per 100,000 population | Number      | Per 100,000 population |
| Negeri Sembilan              | Public       | 1                | -                      | 1        | -                      | 0           | -                      | 0            | -                      | 0           | -                      | 0           | -                      | 3               | -                      | 3           | -                      | 5           | -                      |
| Negeri Sembilan              | Private      | 0                | -                      | 0        | -                      | 1           | -                      | 1            | -                      | 1           | -                      | 1           | -                      | 1               | -                      | 1           | -                      | 1           | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>1</b>         | <b>0.10</b>            | <b>1</b> | <b>0.10</b>            | <b>0.09</b> | <b>1</b>               | <b>0.10</b>  | <b>1</b>               | <b>0.10</b> | <b>1</b>               | <b>0.09</b> | <b>4</b>               | <b>0.39</b>     | <b>4</b>               | <b>0.38</b> | <b>6</b>               | <b>0.56</b> |                        |
| Melaka                       | Public       | 1                | -                      | 1        | -                      | 1           | -                      | 1            | -                      | 1           | -                      | 1           | -                      | 1               | -                      | 1           | -                      | 1           | -                      |
| Melaka                       | Private      | 0                | -                      | 0        | -                      | 1           | -                      | 1            | -                      | 3           | -                      | 3           | -                      | 0               | -                      | 0           | -                      | 0           | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>1</b>         | <b>0.12</b>            | <b>1</b> | <b>0.12</b>            | <b>0.12</b> | <b>2</b>               | <b>0.24</b>  | <b>4</b>               | <b>0.48</b> | <b>3</b>               | <b>0.35</b> | <b>1</b>               | <b>0.12</b>     | <b>1</b>               | <b>0.12</b> | <b>1</b>               | <b>0.12</b> |                        |
| Johor                        | Public       | 0                | -                      | 0        | -                      | 0           | -                      | 0            | -                      | 0           | -                      | 2           | -                      | 2               | -                      | 2           | -                      | 1           | -                      |
| Johor                        | Private      | 0                | -                      | 0        | -                      | 1           | -                      | 1            | -                      | 1           | -                      | 2           | -                      | 1               | -                      | 1           | -                      | 1           | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>0</b>         | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0.00</b> | <b>1</b>               | <b>0.03</b>  | <b>1</b>               | <b>0.03</b> | <b>4</b>               | <b>0.12</b> | <b>2</b>               | <b>0.06</b>     | <b>2</b>               | <b>0.06</b> | <b>2</b>               | <b>0.06</b> |                        |
| Pahang                       | Public       | 0                | -                      | 0        | -                      | 0           | -                      | 0            | -                      | 1           | -                      | 1           | -                      | 1               | -                      | 1           | -                      | 1           | -                      |
| Pahang                       | Private      | 0                | -                      | 0        | -                      | 0           | -                      | 0            | -                      | 0           | -                      | 0           | -                      | 0               | -                      | 0           | -                      | 0           | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>0</b>         | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0.06</b> | <b>0</b>               | <b>0.00</b>  | <b>1</b>               | <b>0.07</b> | <b>1</b>               | <b>0.06</b> | <b>1</b>               | <b>0.07</b>     | <b>1</b>               | <b>0.07</b> | <b>1</b>               | <b>0.06</b> |                        |
| Terengganu                   | Public       | 0                | -                      | 0        | -                      | 0           | -                      | 0            | -                      | 1           | -                      | 2           | -                      | 1               | -                      | 1           | -                      | 1           | -                      |
| Terengganu                   | Private      | 0                | -                      | 0        | -                      | 0           | -                      | 0            | -                      | 0           | -                      | 0           | -                      | 0               | -                      | 0           | -                      | 0           | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>0</b>         | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0.00</b> | <b>0</b>               | <b>0.00</b>  | <b>1</b>               | <b>0.09</b> | <b>2</b>               | <b>0.18</b> | <b>1</b>               | <b>0.10</b>     | <b>1</b>               | <b>0.09</b> | <b>1</b>               | <b>0.09</b> |                        |
| Kelantan                     | Public       | 3                | -                      | 4        | -                      | 2           | -                      | 2            | -                      | 2           | -                      | 3           | -                      | 0               | -                      | 1           | -                      | 3           | -                      |
| Kelantan                     | Private      | 0                | -                      | 0        | -                      | 0           | -                      | 0            | -                      | 0           | -                      | 0           | -                      | 0               | -                      | 0           | -                      | 0           | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>3</b>         | <b>0.19</b>            | <b>4</b> | <b>0.25</b>            | <b>0.24</b> | <b>2</b>               | <b>0.13</b>  | <b>2</b>               | <b>0.12</b> | <b>3</b>               | <b>0.18</b> | <b>0</b>               | <b>0.00</b>     | <b>1</b>               | <b>0.06</b> | <b>4</b>               | <b>0.24</b> |                        |
| Sarawak                      | Public       | 1                | -                      | 1        | -                      | 0           | -                      | 0            | -                      | 1           | -                      | 1           | -                      | 1               | -                      | 1           | -                      | 4           | -                      |
| Sarawak                      | Private      | 1                | -                      | 0        | -                      | 2           | -                      | 2            | -                      | 1           | -                      | 1           | -                      | 0               | -                      | 0           | -                      | 0           | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>2</b>         | <b>0.08</b>            | <b>1</b> | <b>0.04</b>            | <b>0.08</b> | <b>2</b>               | <b>0.08</b>  | <b>2</b>               | <b>0.08</b> | <b>2</b>               | <b>0.08</b> | <b>1</b>               | <b>0.04</b>     | <b>1</b>               | <b>0.04</b> | <b>4</b>               | <b>0.16</b> |                        |
| Sabah                        | Public       | 1                | -                      | 1        | -                      | 0           | -                      | 0            | -                      | 0           | -                      | 0           | -                      | 1               | -                      | 2           | -                      | 2           | -                      |
| Sabah                        | Private      | 0                | -                      | 0        | -                      | 1           | -                      | 1            | -                      | 1           | -                      | 1           | -                      | 0               | -                      | 0           | -                      | 0           | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>1</b>         | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>0.03</b> | <b>1</b>               | <b>0.03</b>  | <b>1</b>               | <b>0.03</b> | <b>1</b>               | <b>0.03</b> | <b>1</b>               | <b>0.03</b>     | <b>2</b>               | <b>0.06</b> | <b>2</b>               | <b>0.06</b> |                        |
| WP Labuan                    | Public       | 0                | -                      | 0        | -                      | 0           | -                      | 0            | -                      | 0           | -                      | 0           | -                      | 0               | -                      | 0           | -                      | 0           | -                      |
| WP Labuan                    | Private      | na               | -                      | na       | -                      | na          | -                      | na           | -                      | na          | -                      | na          | -                      | na              | -                      | na          | -                      | na          | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>         | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0.00</b> | <b>0</b>               | <b>0.00</b>  | <b>0</b>               | <b>0.00</b> | <b>0</b>               | <b>0.00</b> | <b>0</b>               | <b>0.00</b>     | <b>0</b>               | <b>0.00</b> | <b>0</b>               | <b>0.00</b> |                        |
| Sabah & WP Labuan            | Public       | 1                | -                      | 1        | -                      | 0           | -                      | 0            | -                      | 0           | -                      | 0           | -                      | 1               | -                      | 2           | -                      | 2           | -                      |
| Sabah & WP Labuan            | Private      | 0                | -                      | 0        | -                      | 1           | -                      | 1            | -                      | 1           | -                      | 1           | -                      | 0               | -                      | 0           | -                      | 0           | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>1</b>         | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>0.03</b> | <b>1</b>               | <b>0.03</b>  | <b>1</b>               | <b>0.03</b> | <b>1</b>               | <b>0.03</b> | <b>1</b>               | <b>0.03</b>     | <b>2</b>               | <b>0.06</b> | <b>2</b>               | <b>0.06</b> |                        |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.5 : Number &amp; Density of Gastroenterologists, Hepatologists and Clinical Haematologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Gastroenterologists |                        |            |                        |            |                        | Hepatologists |                        |          |                        |          |                        | Clinical Haematologists |                        |           |                        |           |                        |
|---|--------------|---------------------|------------------------|------------|------------------------|------------|------------------------|---------------|------------------------|----------|------------------------|----------|------------------------|-------------------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010                |                        | 2011       |                        | 2013       |                        | 2010          |                        | 2011     |                        | 2013     |                        | 2010                    |                        | 2011      |                        | 2013      |                        |
|   |              | Number              | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number        | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number                  | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 35                  | -                      | 29         | -                      | 37         | -                      | 5             | -                      | 9        | -                      | 6        | -                      | 31                      | -                      | 34        | -                      | 39        | -                      |
| Malaysia                                      | Private      | 71                  | -                      | 76         | -                      | 87         | -                      | 0             | -                      | 0        | -                      | 3        | -                      | 10                      | -                      | 11        | -                      | 12        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>106</b>          | <b>0.37</b>            | <b>105</b> | <b>0.36</b>            | <b>124</b> | <b>0.42</b>            | <b>5</b>      | <b>0.02</b>            | <b>9</b> | <b>0.03</b>            | <b>9</b> | <b>0.03</b>            | <b>41</b>               | <b>0.14</b>            | <b>45</b> | <b>0.16</b>            | <b>51</b> | <b>0.17</b>            |
| Perlis  | Public       | 0                   | -                      | 0          | -                      | 1          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0         | -                      | 0         | -                      |
| Perlis  | Private      | na                  | -                      | na         | -                      | 0          | -                      | na            | -                      | na       | -                      | 0        | -                      | na                      | -                      | na        | -                      | 0         | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>1</b>   | <b>0.41</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah   | Public       | 3                   | -                      | 3          | -                      | 3          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0         | -                      | 0         | -                      |
| Kedah   | Private      | 3                   | -                      | 3          | -                      | 3          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>6</b>            | <b>0.31</b>            | <b>6</b>   | <b>0.30</b>            | <b>6</b>   | <b>0.30</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.05</b>            |
| Kedah & Perlis                                | Public       | 3                   | -                      | 3          | -                      | 4          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0         | -                      | 0         | -                      |
| Kedah & Perlis                                | Private      | 3                   | -                      | 3          | -                      | 3          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>6</b>            | <b>0.28</b>            | <b>6</b>   | <b>0.27</b>            | <b>7</b>   | <b>0.31</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>0.04</b>            |
| Pulau Pinang                                  | Public       | 1                   | -                      | 1          | -                      | 1          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 2                       | -                      | 2         | -                      | 3         | -                      |
| Pulau Pinang                                  | Private      | 9                   | -                      | 9          | -                      | 9          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 2                       | -                      | 2         | -                      | 2         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>10</b>           | <b>0.64</b>            | <b>10</b>  | <b>0.63</b>            | <b>10</b>  | <b>0.61</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>4</b>                | <b>0.26</b>            | <b>4</b>  | <b>0.25</b>            | <b>5</b>  | <b>0.31</b>            |
| Perak   | Public       | 1                   | -                      | 0          | -                      | 0          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 1         | -                      | 1         | -                      |
| Perak   | Private      | 4                   | -                      | 4          | -                      | 4          | -                      | 0             | -                      | 0        | -                      | 1        | -                      | 0                       | -                      | 1         | -                      | 1         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>5</b>            | <b>0.21</b>            | <b>4</b>   | <b>0.17</b>            | <b>4</b>   | <b>0.16</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.04</b>            | <b>1</b>                | <b>0.04</b>            | <b>2</b>  | <b>0.08</b>            | <b>2</b>  | <b>0.08</b>            |
| Selangor                                      | Public       | 5                   | -                      | 4          | -                      | 8          | -                      | 4             | -                      | 7        | -                      | 5        | -                      | 17                      | -                      | 18        | -                      | 15        | -                      |
| Selangor                                      | Private      | 24                  | -                      | 26         | -                      | 33         | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 3                       | -                      | 3         | -                      | 4         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>29</b>           | <b>0.53</b>            | <b>30</b>  | <b>0.54</b>            | <b>41</b>  | <b>0.72</b>            | <b>4</b>      | <b>0.07</b>            | <b>7</b> | <b>0.13</b>            | <b>5</b> | <b>0.09</b>            | <b>20</b>               | <b>0.37</b>            | <b>21</b> | <b>0.38</b>            | <b>19</b> | <b>0.33</b>            |
| WP Putrajaya                                  | Public       | 0                   | -                      | 0          | -                      | 0          | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0         | -                      | 0         | -                      |
| WP Putrajaya                                  | Private      | na                  | -                      | na         | -                      | 0          | -                      | na            | -                      | na       | -                      | 0        | -                      | na                      | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| WPKL  | Public       | 12                  | -                      | 12         | -                      | 15         | -                      | 1             | -                      | 2        | -                      | 1        | -                      | 8                       | -                      | 7         | -                      | 8         | -                      |
| WPKL  | Private      | 17                  | -                      | 20         | -                      | 19         | -                      | 0             | -                      | 0        | -                      | 2        | -                      | 3                       | -                      | 3         | -                      | 3         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>29</b>           | <b>1.73</b>            | <b>32</b>  | <b>1.89</b>            | <b>34</b>  | <b>1.96</b>            | <b>1</b>      | <b>0.06</b>            | <b>2</b> | <b>0.12</b>            | <b>3</b> | <b>0.17</b>            | <b>11</b>               | <b>0.66</b>            | <b>10</b> | <b>0.59</b>            | <b>11</b> | <b>0.64</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 17                  | -                      | 16         | -                      | 23         | -                      | 5             | -                      | 9        | -                      | 6        | -                      | 25                      | -                      | 25        | -                      | 23        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 41                  | -                      | 46         | -                      | 52         | -                      | 0             | -                      | 0        | -                      | 2        | -                      | 6                       | -                      | 6         | -                      | 7         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>58</b>           | <b>0.80</b>            | <b>62</b>  | <b>0.84</b>            | <b>75</b>  | <b>0.99</b>            | <b>5</b>      | <b>0.07</b>            | <b>9</b> | <b>0.12</b>            | <b>8</b> | <b>0.11</b>            | <b>31</b>               | <b>0.43</b>            | <b>31</b> | <b>0.42</b>            | <b>30</b> | <b>0.40</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1



Table 4.1.5 [continued]: Number &amp; Density of Gastroenterologists, Hepatologists and Clinical Haematologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Gastroenterologists |                        |          |                        |          |                        | Hepatologists |                        |          |                        |          |                        | Clinical Haematologists |                        |          |                        |          |                        |
|------------------------------|--------------|---------------------|------------------------|----------|------------------------|----------|------------------------|---------------|------------------------|----------|------------------------|----------|------------------------|-------------------------|------------------------|----------|------------------------|----------|------------------------|
|                              |              | 2010                |                        | 2011     |                        | 2013     |                        | 2010          |                        | 2011     |                        | 2013     |                        | 2010                    |                        | 2011     |                        | 2013     |                        |
|                              |              | Number              | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number        | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number                  | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan              | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| Negeri Sembilan              | Private      | 1                   | -                      | 1        | -                      | 2        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>1</b>            | <b>0.10</b>            | <b>1</b> | <b>0.10</b>            | <b>2</b> | <b>0.19</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Melaka                       | Public       | 1                   | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| Melaka                       | Private      | 5                   | -                      | 6        | -                      | 6        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 1        | -                      | 1        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>6</b>            | <b>0.73</b>            | <b>6</b> | <b>0.72</b>            | <b>6</b> | <b>0.70</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b>                | <b>0.12</b>            | <b>1</b> | <b>0.12</b>            | <b>2</b> | <b>0.23</b>            |
| Johor                        | Public       | 0                   | -                      | 0        | -                      | 2        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| Johor                        | Private      | 4                   | -                      | 4        | -                      | 6        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>4</b>            | <b>0.12</b>            | <b>4</b> | <b>0.12</b>            | <b>8</b> | <b>0.23</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.03</b>            |
| Pahang                       | Public       | 1                   | -                      | 1        | -                      | 1        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| Pahang                       | Private      | 0                   | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>1</b>            | <b>0.07</b>            | <b>1</b> | <b>0.07</b>            | <b>1</b> | <b>0.06</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.06</b>            |
| Terengganu                   | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| Terengganu                   | Private      | 0                   | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Kelantan                     | Public       | 8                   | -                      | 5        | -                      | 4        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 3        | -                      | 4        | -                      |
| Kelantan                     | Private      | 0                   | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>8</b>            | <b>0.52</b>            | <b>5</b> | <b>0.31</b>            | <b>4</b> | <b>0.24</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b>                | <b>0.06</b>            | <b>3</b> | <b>0.19</b>            | <b>4</b> | <b>0.24</b>            |
| Sarawak                      | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 1        | -                      | 2        | -                      |
| Sarawak                      | Private      | 2                   | -                      | 2        | -                      | 3        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 1        | -                      | 1        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>2</b>            | <b>0.08</b>            | <b>2</b> | <b>0.08</b>            | <b>3</b> | <b>0.12</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>2</b>                | <b>0.08</b>            | <b>2</b> | <b>0.08</b>            | <b>3</b> | <b>0.12</b>            |
| Sabah                        | Public       | 3                   | -                      | 3        | -                      | 2        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 2        | -                      | 2        | -                      |
| Sabah                        | Private      | 2                   | -                      | 1        | -                      | 2        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>5</b>            | <b>0.16</b>            | <b>4</b> | <b>0.12</b>            | <b>4</b> | <b>0.12</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b>                | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            |
| WP Labuan                    | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| WP Labuan                    | Private      | na                  | -                      | na       | -                      | 0        | -                      | na            | -                      | na       | -                      | 0        | -                      | na                      | -                      | na       | -                      | na       | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Sabah & WP Labuan            | Public       | 3                   | -                      | 3        | -                      | 2        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 2        | -                      | 2        | -                      |
| Sabah & WP Labuan            | Private      | 2                   | -                      | 1        | -                      | 2        | -                      | 0             | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>5</b>            | <b>0.15</b>            | <b>4</b> | <b>0.12</b>            | <b>4</b> | <b>0.11</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b>                | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1

Table 4.1.6 : Number &amp; Density of Geriatricians, Infectious Disease Specialists and Dermatologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Geriatricians |                                  |           |                                  |           |                                  | Infectious Disease Specialists |                        |           |                        |           |                        | Dermatologists |                        |           |                        |           |                        |
|---|--------------|---------------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|--------------------------------|------------------------|-----------|------------------------|-----------|------------------------|----------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010          |                                  | 2011      |                                  | 2013      |                                  | 2010                           |                        | 2011      |                        | 2013      |                        | 2010           |                        | 2011      |                        | 2013      |                        |
|   |              | Number        | Per Geriatric Population 100,000 | Number    | Per Geriatric Population 100,000 | Number    | Per Geriatric Population 100,000 | Number                         | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number         | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 6             | -                                | 7         | -                                | 12        | -                                | 16                             | -                      | 15        | -                      | 23        | -                      | 38             | -                      | 42        | -                      | 39        | -                      |
| Malaysia                                      | Private      | 4             | -                                | 5         | -                                | 5         | -                                | 3                              | -                      | 3         | -                      | 3         | -                      | 38             | -                      | 38        | -                      | 47        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>10</b>     | <b>0.44</b>                      | <b>12</b> | <b>0.51</b>                      | <b>17</b> | <b>0.67</b>                      | <b>19</b>                      | <b>0.07</b>            | <b>18</b> | <b>0.06</b>            | <b>26</b> | <b>0.09</b>            | <b>76</b>      | <b>0.27</b>            | <b>80</b> | <b>0.28</b>            | <b>86</b> | <b>0.29</b>            |
| Perlis  | Public       | 0             | -                                | 0         | -                                | 0         | -                                | 0                              | -                      | 0         | -                      | 0         | -                      | 1              | -                      | 1         | -                      | 2         | -                      |
| Perlis  | Private      | na            | -                                | na        | -                                | 0         | -                                | na                             | -                      | na        | -                      | 0         | -                      | na             | -                      | na        | -                      | na        | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>       | <b>0.43</b>            | <b>1</b>  | <b>0.42</b>            | <b>2</b>  | <b>0.83</b>            |
| Kedah   | Public       | 0             | -                                | 0         | -                                | 0         | -                                | 0                              | -                      | 0         | -                      | 1         | -                      | 1              | -                      | 1         | -                      | 1         | -                      |
| Kedah   | Private      | 0             | -                                | 0         | -                                | 0         | -                                | 0                              | -                      | 0         | -                      | 0         | -                      | 1              | -                      | 1         | -                      | 1         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>0.05</b>            | <b>2</b>       | <b>0.10</b>            | <b>2</b>  | <b>0.10</b>            | <b>2</b>  | <b>0.10</b>            |
| Kedah & Perlis                                | Public       | 0             | -                                | 0         | -                                | 0         | -                                | 0                              | -                      | 0         | -                      | 1         | -                      | 2              | -                      | 2         | -                      | 3         | -                      |
| Kedah & Perlis                                | Private      | 0             | -                                | 0         | -                                | 0         | -                                | 0                              | -                      | 0         | -                      | 0         | -                      | 1              | -                      | 1         | -                      | 1         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>0.04</b>            | <b>3</b>       | <b>0.14</b>            | <b>3</b>  | <b>0.14</b>            | <b>4</b>  | <b>0.18</b>            |
| Pulau Pinang                                  | Public       | 0             | -                                | 0         | -                                | 0         | -                                | 2                              | -                      | 2         | -                      | 3         | -                      | 2              | -                      | 2         | -                      | 2         | -                      |
| Pulau Pinang                                  | Private      | 0             | -                                | 0         | -                                | 0         | -                                | 0                              | -                      | 0         | -                      | 0         | -                      | 4              | -                      | 4         | -                      | 5         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>2</b>                       | <b>0.13</b>            | <b>2</b>  | <b>0.13</b>            | <b>3</b>  | <b>0.18</b>            | <b>6</b>       | <b>0.38</b>            | <b>6</b>  | <b>0.38</b>            | <b>6</b>  | <b>0.37</b>            |
| Perak   | Public       | 0             | -                                | 0         | -                                | 1         | -                                | 1                              | -                      | 1         | -                      | 1         | -                      | 1              | -                      | 1         | -                      | 1         | -                      |
| Perak   | Private      | 2             | -                                | 2         | -                                | 2         | -                                | 0                              | -                      | 0         | -                      | 0         | -                      | 5              | -                      | 5         | -                      | 5         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>2</b>      | <b>0.71</b>                      | <b>2</b>  | <b>0.69</b>                      | <b>3</b>  | <b>0.97</b>                      | <b>1</b>                       | <b>0.04</b>            | <b>1</b>  | <b>0.04</b>            | <b>1</b>  | <b>0.04</b>            | <b>6</b>       | <b>0.26</b>            | <b>6</b>  | <b>0.25</b>            | <b>6</b>  | <b>0.25</b>            |
| Selangor                                      | Public       | 0             | -                                | 0         | -                                | 0         | -                                | 5                              | -                      | 5         | -                      | 6         | -                      | 2              | -                      | 2         | -                      | 4         | -                      |
| Selangor                                      | Private      | 0             | -                                | 0         | -                                | 0         | -                                | 2                              | -                      | 2         | -                      | 1         | -                      | 13             | -                      | 11        | -                      | 18        | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>7</b>                       | <b>0.13</b>            | <b>7</b>  | <b>0.13</b>            | <b>7</b>  | <b>0.12</b>            | <b>15</b>      | <b>0.27</b>            | <b>13</b> | <b>0.23</b>            | <b>22</b> | <b>0.38</b>            |
| WP Putrajaya                                  | Public       | 0             | -                                | 0         | -                                | 0         | -                                | 0                              | -                      | 0         | -                      | 0         | -                      | 0              | -                      | 0         | -                      | 1         | -                      |
| WP Putrajaya                                  | Private      | na            | -                                | na        | -                                | 0         | -                                | na                             | -                      | na        | -                      | 0         | -                      | na             | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>  | <b>0.00</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>       | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>1.21</b>            |
| WPKL  | Public       | 4             | -                                | 5         | -                                | 8         | -                                | 4                              | -                      | 3         | -                      | 5         | -                      | 18             | -                      | 21        | -                      | 18        | -                      |
| WPKL  | Private      | 1             | -                                | 2         | -                                | 2         | -                                | 0                              | -                      | 0         | -                      | 1         | -                      | 9              | -                      | 11        | -                      | 12        | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>5</b>      | <b>3.91</b>                      | <b>7</b>  | <b>5.30</b>                      | <b>10</b> | <b>6.80</b>                      | <b>4</b>                       | <b>0.24</b>            | <b>3</b>  | <b>0.18</b>            | <b>6</b>  | <b>0.35</b>            | <b>27</b>      | <b>1.61</b>            | <b>32</b> | <b>1.89</b>            | <b>30</b> | <b>1.73</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 4             | -                                | 5         | -                                | 8         | -                                | 9                              | -                      | 8         | -                      | 11        | -                      | 20             | -                      | 23        | -                      | 23        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 1             | -                                | 2         | -                                | 2         | -                                | 2                              | -                      | 2         | -                      | 2         | -                      | 22             | -                      | 22        | -                      | 30        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>5</b>      | <b>1.08</b>                      | <b>7</b>  | <b>1.46</b>                      | <b>10</b> | <b>1.88</b>                      | <b>11</b>                      | <b>0.15</b>            | <b>10</b> | <b>0.14</b>            | <b>13</b> | <b>0.17</b>            | <b>42</b>      | <b>0.58</b>            | <b>45</b> | <b>0.61</b>            | <b>53</b> | <b>0.70</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1 &amp; Table A3.13

Table 4.1.6 [continued]: Number &amp; Density of Geriatricians, Infectious Disease Specialists and Dermatologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State | Sector *     | Geriatricians |                                  |          |                                  |          |                                  | Infectious Disease Specialists |                        |          |                        |          |                        | Dermatologists |                        |          |                        |          |                        |
|-------|--------------|---------------|----------------------------------|----------|----------------------------------|----------|----------------------------------|--------------------------------|------------------------|----------|------------------------|----------|------------------------|----------------|------------------------|----------|------------------------|----------|------------------------|
|       |              | 2010          |                                  | 2011     |                                  | 2013     |                                  | 2010                           |                        | 2011     |                        | 2013     |                        | 2010           |                        | 2011     |                        | 2013     |                        |
|       |              | Number        | Per Geriatric Population 100,000 | Number   | Per Geriatric Population 100,000 | Number   | Per Geriatric Population 100,000 | Number                         | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number         | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
|       | Public       | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 1              | -                      | 2        | -                      | 1        | -                      |
|       | Private      | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 1              | -                      | 1        | -                      | 0        | -                      |
|       | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>2</b>       | <b>0.20</b>            | <b>3</b> | <b>0.29</b>            | <b>1</b> | <b>0.09</b>            |
|       | Public       | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 1              | -                      | 1        | -                      | 1        | -                      |
|       | Private      | 0             | -                                | 0        | -                                | 1        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 1              | -                      | 1        | -                      | 1        | -                      |
|       | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>1</b> | <b>1.14</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>2</b>       | <b>0.24</b>            | <b>2</b> | <b>0.24</b>            | <b>2</b> | <b>0.23</b>            |
|       | Public       | 0             | -                                | 0        | -                                | 1        | -                                | 1                              | -                      | 1        | -                      | 2        | -                      | 4              | -                      | 4        | -                      | 4        | -                      |
|       | Private      | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 2              | -                      | 2        | -                      | 2        | -                      |
|       | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>1</b> | <b>0.32</b>                      | <b>1</b>                       | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>6</b>       | <b>0.18</b>            | <b>6</b> | <b>0.18</b>            | <b>6</b> | <b>0.17</b>            |
|       | Public       | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 1              | -                      | 1        | -                      | 1        | -                      |
|       | Private      | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 0              | -                      | 0        | -                      | 1        | -                      |
|       | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b>       | <b>0.07</b>            | <b>1</b> | <b>0.07</b>            | <b>2</b> | <b>0.13</b>            |
|       | Public       | 0             | -                                | 0        | -                                | 0        | -                                | 1                              | -                      | 1        | -                      | 1        | -                      | 1              | -                      | 1        | -                      | 1        | -                      |
|       | Private      | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 0              | -                      | 0        | -                      | 0        | -                      |
|       | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>1</b>                       | <b>0.10</b>            | <b>1</b> | <b>0.09</b>            | <b>1</b> | <b>0.09</b>            | <b>1</b>       | <b>0.10</b>            | <b>1</b> | <b>0.09</b>            | <b>0</b> | <b>0.00</b>            |
|       | Public       | 0             | -                                | 0        | -                                | 0        | -                                | 1                              | -                      | 1        | -                      | 2        | -                      | 3              | -                      | 3        | -                      | 2        | -                      |
|       | Private      | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 1        | -                      | 1        | -                      | 0              | -                      | 0        | -                      | 0        | -                      |
|       | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>2</b>                       | <b>0.13</b>            | <b>2</b> | <b>0.12</b>            | <b>3</b> | <b>0.18</b>            | <b>3</b>       | <b>0.19</b>            | <b>3</b> | <b>0.19</b>            | <b>2</b> | <b>0.12</b>            |
|       | Public       | 1             | -                                | 1        | -                                | 1        | -                                | 0                              | -                      | 0        | -                      | 1        | -                      | 1              | -                      | 1        | -                      | 1        | -                      |
|       | Private      | 1             | -                                | 1        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 1              | -                      | 1        | -                      | 1        | -                      |
|       | <b>Total</b> | <b>2</b>      | <b>5.28</b>                      | <b>2</b> | <b>5.04</b>                      | <b>1</b> | <b>0.42</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.04</b>            | <b>2</b>       | <b>0.08</b>            | <b>2</b> | <b>0.08</b>            | <b>2</b> | <b>0.08</b>            |
|       | Public       | 1             | -                                | 1        | -                                | 1        | -                                | 1                              | -                      | 1        | -                      | 1        | -                      | 1              | -                      | 1        | -                      | 1        | -                      |
|       | Private      | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 0              | -                      | 1        | -                      | 1        | -                      |
|       | <b>Total</b> | <b>1</b>      | <b>0.72</b>                      | <b>1</b> | <b>0.66</b>                      | <b>1</b> | <b>0.60</b>                      | <b>1</b>                       | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>2</b>       | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            |
|       | Public       | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 0              | -                      | 0        | -                      | 0        | -                      |
|       | Private      | na            | -                                | na       | -                                | 0        | -                                | na                             | -                      | na       | -                      | 0        | -                      | na             | -                      | na       | -                      | na       | -                      |
|       | <b>Total</b> | <b>0</b>      | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>0</b> | <b>0.00</b>                      | <b>0</b>                       | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>       | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
|       | Public       | 1             | -                                | 0        | -                                | 1        | -                                | 1                              | -                      | 1        | -                      | 1        | -                      | 1              | -                      | 1        | -                      | 1        | -                      |
|       | Private      | 0             | -                                | 0        | -                                | 0        | -                                | 0                              | -                      | 0        | -                      | 0        | -                      | 0              | -                      | 1        | -                      | 1        | -                      |
|       | <b>Total</b> | <b>1</b>      | <b>0.70</b>                      | <b>0</b> | <b>0.00</b>                      | <b>1</b> | <b>0.58</b>                      | <b>1</b>                       | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>2</b>       | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1 &amp; Table A3.13

Table 4.1.7 : Number &amp; Density of General Surgeons in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | General Surgeons † |                        |            |                        |            |                        |
|---|--------------|--------------------|------------------------|------------|------------------------|------------|------------------------|
|   |              | 2010               |                        | 2011       |                        | 2013       |                        |
|   |              | Number             | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population |
| Malaysia                                      | Public       | 303                | -                      | 297        | -                      | 308        | -                      |
| Malaysia                                      | Private      | 240                | -                      | 258        | -                      | 296        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>543</b>         | <b>1.92</b>            | <b>555</b> | <b>1.92</b>            | <b>604</b> | <b>2.03</b>            |
| Perlis  | Public       | 2                  | -                      | 3          | -                      | 4          | -                      |
| Perlis  | Private      | na                 | -                      | na         | -                      | na         | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>2</b>           | <b>0.86</b>            | <b>3</b>   | <b>1.26</b>            | <b>4</b>   | <b>1.66</b>            |
| Kedah   | Public       | 23                 | -                      | 22         | -                      | 14         | -                      |
| Kedah   | Private      | 10                 | -                      | 11         | -                      | 12         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>33</b>          | <b>1.69</b>            | <b>33</b>  | <b>1.67</b>            | <b>26</b>  | <b>1.29</b>            |
| Kedah & Perlis                                | Public       | 25                 | -                      | 25         | -                      | 18         | -                      |
| Kedah & Perlis                                | Private      | 10                 | -                      | 11         | -                      | 12         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>35</b>          | <b>1.61</b>            | <b>36</b>  | <b>1.63</b>            | <b>30</b>  | <b>1.33</b>            |
| Pulau Pinang                                  | Public       | 14                 | -                      | 15         | -                      | 16         | -                      |
| Pulau Pinang                                  | Private      | 28                 | -                      | 29         | -                      | 34         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>42</b>          | <b>2.69</b>            | <b>44</b>  | <b>2.76</b>            | <b>50</b>  | <b>3.07</b>            |
| Perak   | Public       | 15                 | -                      | 16         | -                      | 13         | -                      |
| Perak   | Private      | 17                 | -                      | 19         | -                      | 22         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>32</b>          | <b>1.36</b>            | <b>35</b>  | <b>1.46</b>            | <b>35</b>  | <b>1.44</b>            |
| Selangor                                      | Public       | 50                 | -                      | 45         | -                      | 47         | -                      |
| Selangor                                      | Private      | 64                 | -                      | 68         | -                      | 78         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>114</b>         | <b>2.09</b>            | <b>113</b> | <b>2.03</b>            | <b>125</b> | <b>2.18</b>            |
| WP Putrajaya                                  | Public       | 11                 | -                      | 10         | -                      | 8          | -                      |
| WP Putrajaya                                  | Private      | na                 | -                      | na         | -                      | na         | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>11</b>          | <b>15.19</b>           | <b>10</b>  | <b>13.09</b>           | <b>8</b>   | <b>9.70</b>            |
| WPKL  | Public       | 55                 | -                      | 60         | -                      | 63         | -                      |
| WPKL  | Private      | 45                 | -                      | 49         | -                      | 60         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>100</b>         | <b>5.97</b>            | <b>109</b> | <b>6.43</b>            | <b>123</b> | <b>7.10</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 116                | -                      | 115        | -                      | 118        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 109                | -                      | 117        | -                      | 138        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>225</b>         | <b>3.12</b>            | <b>232</b> | <b>3.16</b>            | <b>256</b> | <b>3.40</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

† General surgeons refer to specialists from the discipline of general surgery AND its subspecialties (colorectal surgery, hepatobiliary surgery, cardiothoracic surgery, breast &amp; endocrine surgery, and breast surgery). This definition is in keeping with our previous NHEWS (Hospital) reports, as advised by the surgical services expert panel.

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

Table 4.1.7 [continued]: Number &amp; Density of General Surgeons in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | General Surgeons † |                        |           |                        |           |                        |
|------------------------------|--------------|--------------------|------------------------|-----------|------------------------|-----------|------------------------|
|                              |              | 2010               |                        | 2011      |                        | 2013      |                        |
|                              |              | Number             | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Negeri Sembilan              | Public       | 10                 | -                      | 11        | -                      | 13        | -                      |
| Negeri Sembilan              | Private      | 10                 | -                      | 11        | -                      | 13        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>20</b>          | <b>1.96</b>            | <b>22</b> | <b>2.11</b>            | <b>26</b> | <b>2.43</b>            |
| Melaka                       | Public       | 8                  | -                      | 7         | -                      | 7         | -                      |
| Melaka                       | Private      | 13                 | -                      | 13        | -                      | 15        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>21</b>          | <b>2.56</b>            | <b>20</b> | <b>2.40</b>            | <b>22</b> | <b>2.58</b>            |
| Johor                        | Public       | 24                 | -                      | 25        | -                      | 27        | -                      |
| Johor                        | Private      | 25                 | -                      | 27        | -                      | 29        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>49</b>          | <b>1.46</b>            | <b>52</b> | <b>1.53</b>            | <b>56</b> | <b>1.61</b>            |
| Pahang                       | Public       | 18                 | -                      | 13        | -                      | 11        | -                      |
| Pahang                       | Private      | 4                  | -                      | 6         | -                      | 8         | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>22</b>          | <b>1.47</b>            | <b>19</b> | <b>1.25</b>            | <b>19</b> | <b>1.21</b>            |
| Terengganu                   | Public       | 6                  | -                      | 7         | -                      | 13        | -                      |
| Terengganu                   | Private      | 0                  | -                      | 0         | -                      | 0         | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>6</b>           | <b>0.58</b>            | <b>7</b>  | <b>0.65</b>            | <b>13</b> | <b>1.17</b>            |
| Kelantan                     | Public       | 27                 | -                      | 26        | -                      | 25        | -                      |
| Kelantan                     | Private      | 4                  | -                      | 3         | -                      | 2         | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>31</b>          | <b>2.01</b>            | <b>29</b> | <b>1.80</b>            | <b>27</b> | <b>1.62</b>            |
| Sarawak                      | Public       | 21                 | -                      | 17        | -                      | 23        | -                      |
| Sarawak                      | Private      | 13                 | -                      | 15        | -                      | 16        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>34</b>          | <b>1.38</b>            | <b>32</b> | <b>1.27</b>            | <b>39</b> | <b>1.51</b>            |
| Sabah                        | Public       | 18                 | -                      | 19        | -                      | 23        | -                      |
| Sabah                        | Private      | 7                  | -                      | 7         | -                      | 7         | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>25</b>          | <b>0.78</b>            | <b>26</b> | <b>0.78</b>            | <b>30</b> | <b>0.88</b>            |
| WP Labuan                    | Public       | 1                  | -                      | 1         | -                      | 1         | -                      |
| WP Labuan                    | Private      | na                 | -                      | na        | -                      | na        | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>1</b>           | <b>1.15</b>            | <b>1</b>  | <b>1.11</b>            | <b>1</b>  | <b>1.07</b>            |
| Sabah & WP Labuan            | Public       | 19                 | -                      | 20        | -                      | 24        | -                      |
| Sabah & WP Labuan            | Private      | 7                  | -                      | 7         | -                      | 7         | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>26</b>          | <b>0.79</b>            | <b>27</b> | <b>0.79</b>            | <b>31</b> | <b>0.88</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

† General surgeons refer to specialists from the discipline of general surgery AND its subspecialties (colorectal surgery, hepatobiliary surgery, cardiothoracic surgery, breast &amp; endocrine surgery, and breast surgery). This definition is in keeping with our previous NHEWS (Hospital) reports, as advised by the surgical services expert panel.

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

Table 4.1.8 :Number &amp; Density of Colorectal Surgeons, Hepatobiliary Surgeons and Urologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Colorectal Surgeons |                        |           |                        |           |                        | Hepatobiliary Surgeons |                        |           |                        |           |                        | Urologists |                        |           |                        |            |                        |
|---|--------------|---------------------|------------------------|-----------|------------------------|-----------|------------------------|------------------------|------------------------|-----------|------------------------|-----------|------------------------|------------|------------------------|-----------|------------------------|------------|------------------------|
|   |              | 2010                |                        | 2011      |                        | 2013      |                        | 2010                   |                        | 2011      |                        | 2013      |                        | 2010       |                        | 2011      |                        | 2013       |                        |
|   |              | Number              | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number                 | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number     | Per 100,000 population | Number    | Per 100,000 population | Number     | Per 100,000 population |
| Malaysia                                      | Public       | 9                   | -                      | 7         | -                      | 17        | -                      | 18                     | -                      | 18        | -                      | 16        | -                      | 35         | -                      | 34        | -                      | 40         | -                      |
| Malaysia                                      | Private      | 17                  | -                      | 23        | -                      | 29        | -                      | 11                     | -                      | 12        | -                      | 14        | -                      | 62         | -                      | 63        | -                      | 69         | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>26</b>           | <b>0.09</b>            | <b>30</b> | <b>0.10</b>            | <b>46</b> | <b>0.15</b>            | <b>29</b>              | <b>0.10</b>            | <b>30</b> | <b>0.10</b>            | <b>30</b> | <b>0.10</b>            | <b>97</b>  | <b>0.34</b>            | <b>97</b> | <b>0.33</b>            | <b>109</b> | <b>0.37</b>            |
| Perlis  | Public       | 0                   | -                      | 0         | -                      | 0         | -                      | 0                      | -                      | 0         | -                      | 0         | -                      | 0          | -                      | 0         | -                      | 0          | -                      |
| Perlis  | Private      | na                  | -                      | na        | -                      | na        | -                      | na                     | -                      | na        | -                      | na        | -                      | na         | -                      | na        | -                      | na         | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            |
| Kedah   | Public       | 1                   | -                      | 1         | -                      | 1         | -                      | 2                      | -                      | 2         | -                      | 2         | -                      | 0          | -                      | 1         | -                      | 2          | -                      |
| Kedah   | Private      | 0                   | -                      | 0         | -                      | 1         | -                      | 0                      | -                      | 0         | -                      | 0         | -                      | 3          | -                      | 4         | -                      | 4          | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>1</b>            | <b>0.05</b>            | <b>1</b>  | <b>0.05</b>            | <b>2</b>  | <b>0.10</b>            | <b>2</b>               | <b>0.10</b>            | <b>2</b>  | <b>0.10</b>            | <b>2</b>  | <b>0.10</b>            | <b>3</b>   | <b>0.15</b>            | <b>5</b>  | <b>0.25</b>            | <b>6</b>   | <b>0.30</b>            |
| Kedah & Perlis                                | Public       | 1                   | -                      | 1         | -                      | 1         | -                      | 2                      | -                      | 2         | -                      | 2         | -                      | 0          | -                      | 1         | -                      | 2          | -                      |
| Kedah & Perlis                                | Private      | 0                   | -                      | 0         | -                      | 1         | -                      | 0                      | -                      | 0         | -                      | 0         | -                      | 3          | -                      | 4         | -                      | 4          | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>1</b>            | <b>0.05</b>            | <b>1</b>  | <b>0.05</b>            | <b>2</b>  | <b>0.09</b>            | <b>2</b>               | <b>0.09</b>            | <b>2</b>  | <b>0.09</b>            | <b>2</b>  | <b>0.09</b>            | <b>3</b>   | <b>0.14</b>            | <b>5</b>  | <b>0.23</b>            | <b>6</b>   | <b>0.27</b>            |
| Pulau Pinang                                  | Public       | 1                   | -                      | 0         | -                      | 1         | -                      | 1                      | -                      | 1         | -                      | 0         | -                      | 2          | -                      | 2         | -                      | 1          | -                      |
| Pulau Pinang                                  | Private      | 1                   | -                      | 2         | -                      | 2         | -                      | 1                      | -                      | 1         | -                      | 1         | -                      | 8          | -                      | 8         | -                      | 9          | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>2</b>            | <b>0.13</b>            | <b>2</b>  | <b>0.13</b>            | <b>3</b>  | <b>0.18</b>            | <b>2</b>               | <b>0.13</b>            | <b>2</b>  | <b>0.13</b>            | <b>1</b>  | <b>0.06</b>            | <b>10</b>  | <b>0.64</b>            | <b>10</b> | <b>0.63</b>            | <b>10</b>  | <b>0.61</b>            |
| Perak   | Public       | 0                   | -                      | 0         | -                      | 1         | -                      | 0                      | -                      | 0         | -                      | 0         | -                      | 0          | -                      | 0         | -                      | 0          | -                      |
| Perak   | Private      | 2                   | -                      | 2         | -                      | 2         | -                      | 0                      | -                      | 0         | -                      | 0         | -                      | 2          | -                      | 3         | -                      | 4          | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>2</b>            | <b>0.09</b>            | <b>2</b>  | <b>0.08</b>            | <b>3</b>  | <b>0.12</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>2</b>   | <b>0.09</b>            | <b>3</b>  | <b>0.13</b>            | <b>4</b>   | <b>0.16</b>            |
| Selangor                                      | Public       | 1                   | -                      | 1         | -                      | 6         | -                      | 6                      | -                      | 6         | -                      | 7         | -                      | 5          | -                      | 5         | -                      | 6          | -                      |
| Selangor                                      | Private      | 7                   | -                      | 7         | -                      | 7         | -                      | 7                      | -                      | 7         | -                      | 9         | -                      | 15         | -                      | 17        | -                      | 19         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>8</b>            | <b>0.15</b>            | <b>8</b>  | <b>0.14</b>            | <b>13</b> | <b>0.23</b>            | <b>13</b>              | <b>0.24</b>            | <b>13</b> | <b>0.23</b>            | <b>16</b> | <b>0.28</b>            | <b>20</b>  | <b>0.37</b>            | <b>22</b> | <b>0.39</b>            | <b>25</b>  | <b>0.44</b>            |
| WP Putrajaya                                  | Public       | 0                   | -                      | 0         | -                      | 0         | -                      | 0                      | -                      | 1         | -                      | 0         | -                      | 0          | -                      | 0         | -                      | 0          | -                      |
| WP Putrajaya                                  | Private      | na                  | -                      | na        | -                      | na        | -                      | na                     | -                      | na        | -                      | na        | -                      | na         | -                      | na        | -                      | na         | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>               | <b>0.00</b>            | <b>1</b>  | <b>1.31</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            |
| WPKL  | Public       | 2                   | -                      | 2         | -                      | 2         | -                      | 6                      | -                      | 6         | -                      | 3         | -                      | 16         | -                      | 16        | -                      | 20         | -                      |
| WPKL  | Private      | 4                   | -                      | 5         | -                      | 9         | -                      | 3                      | -                      | 3         | -                      | 4         | -                      | 16         | -                      | 11        | -                      | 12         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>6</b>            | <b>0.36</b>            | <b>7</b>  | <b>0.41</b>            | <b>11</b> | <b>0.64</b>            | <b>9</b>               | <b>0.54</b>            | <b>9</b>  | <b>0.53</b>            | <b>7</b>  | <b>0.40</b>            | <b>32</b>  | <b>1.91</b>            | <b>27</b> | <b>1.59</b>            | <b>32</b>  | <b>1.85</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 3                   | -                      | 3         | -                      | 8         | -                      | 12                     | -                      | 13        | -                      | 10        | -                      | 21         | -                      | 21        | -                      | 26         | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 11                  | -                      | 12        | -                      | 16        | -                      | 10                     | -                      | 10        | -                      | 13        | -                      | 31         | -                      | 28        | -                      | 31         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>14</b>           | <b>0.19</b>            | <b>15</b> | <b>0.20</b>            | <b>24</b> | <b>0.32</b>            | <b>22</b>              | <b>0.31</b>            | <b>23</b> | <b>0.31</b>            | <b>23</b> | <b>0.31</b>            | <b>52</b>  | <b>0.72</b>            | <b>49</b> | <b>0.67</b>            | <b>57</b>  | <b>0.76</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1



Table 4.1.8 [continued]: Number &amp; Density of Colorectal Surgeons, Hepatobiliary Surgeons and Urologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State             | Sector *     | Colorectal Surgeons |                        |          |                        |          |                        | Hepatobiliary Surgeons |                        |          |                        |          |                        | Urologists |                        |          |                        |          |                        |
|-------------------|--------------|---------------------|------------------------|----------|------------------------|----------|------------------------|------------------------|------------------------|----------|------------------------|----------|------------------------|------------|------------------------|----------|------------------------|----------|------------------------|
|                   |              | 2010                |                        | 2011     |                        | 2013     |                        | 2010                   |                        | 2011     |                        | 2013     |                        | 2010       |                        | 2011     |                        | 2013     |                        |
|                   |              | Number              | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number                 | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number     | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan   | Public       | 1                   | -                      | 1        | -                      | 2        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 0          | -                      | 0        | -                      | 0        | -                      |
|                   | Private      | 1                   | -                      | 1        | -                      | 0        | -                      | 0                      | -                      | 1        | -                      | 0        | -                      | 2          | -                      | 2        | -                      | 3        | -                      |
| Negeri Sembilan   | <b>Total</b> | <b>2</b>            | <b>0.20</b>            | <b>2</b> | <b>0.19</b>            | <b>2</b> | <b>0.19</b>            | <b>0</b>               | <b>0.00</b>            | <b>1</b> | <b>0.10</b>            | <b>0</b> | <b>0.00</b>            | <b>2</b>   | <b>0.20</b>            | <b>2</b> | <b>0.19</b>            | <b>3</b> | <b>0.28</b>            |
|                   | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 1                      | -                      | 1        | -                      | 0        | -                      | 0          | -                      | 0        | -                      | 0        | -                      |
| Melaka            | Private      | 0                   | -                      | 0        | -                      | 2        | -                      | 0                      | -                      | 2        | -                      | 0        | -                      | 7          | -                      | 7        | -                      | 7        | -                      |
|                   | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>2</b> | <b>0.23</b>            | <b>1</b>               | <b>0.12</b>            | <b>1</b> | <b>0.12</b>            | <b>1</b> | <b>0.12</b>            | <b>7</b>   | <b>0.85</b>            | <b>7</b> | <b>0.84</b>            | <b>7</b> | <b>0.82</b>            |
| Johor             | Public       | 1                   | -                      | 1        | -                      | 1        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 3          | -                      | 2        | -                      | 2        | -                      |
|                   | Private      | 2                   | -                      | 3        | -                      | 4        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 5          | -                      | 6        | -                      | 6        | -                      |
| Johor             | <b>Total</b> | <b>3</b>            | <b>0.09</b>            | <b>4</b> | <b>0.12</b>            | <b>5</b> | <b>0.14</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>8</b>   | <b>0.24</b>            | <b>8</b> | <b>0.24</b>            | <b>8</b> | <b>0.23</b>            |
|                   | Public       | 1                   | -                      | 0        | -                      | 1        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 2          | -                      | 2        | -                      | 2        | -                      |
| Pahang            | Private      | 0                   | -                      | 2        | -                      | 1        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 2          | -                      | 2        | -                      | 2        | -                      |
|                   | <b>Total</b> | <b>1</b>            | <b>0.07</b>            | <b>2</b> | <b>0.13</b>            | <b>2</b> | <b>0.13</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>4</b>   | <b>0.27</b>            | <b>4</b> | <b>0.26</b>            | <b>4</b> | <b>0.25</b>            |
| Terengganu        | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 0          | -                      | 0        | -                      | 0        | -                      |
|                   | Private      | 0                   | -                      | 0        | -                      | 0        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 0          | -                      | 0        | -                      | 0        | -                      |
| Terengganu        | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.09</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
|                   | Public       | 1                   | -                      | 1        | -                      | 2        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 4          | -                      | 2        | -                      | 2        | -                      |
| Kelantan          | Private      | 0                   | -                      | 0        | -                      | 0        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 0          | -                      | 0        | -                      | 1        | -                      |
|                   | <b>Total</b> | <b>1</b>            | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            | <b>2</b> | <b>0.12</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>4</b>   | <b>0.26</b>            | <b>3</b> | <b>0.19</b>            | <b>3</b> | <b>0.18</b>            |
| Sarawak           | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 2                      | -                      | 1        | -                      | 1        | -                      | 2          | -                      | 2        | -                      | 3        | -                      |
|                   | Private      | 0                   | -                      | 1        | -                      | 1        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 1          | -                      | 1        | -                      | 1        | -                      |
| Sarawak           | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>1</b> | <b>0.04</b>            | <b>1</b> | <b>0.04</b>            | <b>2</b>               | <b>0.08</b>            | <b>1</b> | <b>0.04</b>            | <b>1</b> | <b>0.04</b>            | <b>3</b>   | <b>0.12</b>            | <b>3</b> | <b>0.12</b>            | <b>4</b> | <b>0.16</b>            |
|                   | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 0                      | -                      | 0        | -                      | 1        | -                      | 1          | -                      | 2        | -                      | 2        | -                      |
| Sabah             | Private      | 0                   | -                      | 0        | -                      | 0        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 1          | -                      | 1        | -                      | 1        | -                      |
|                   | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.03</b>            | <b>2</b>   | <b>0.06</b>            | <b>3</b> | <b>0.09</b>            | <b>3</b> | <b>0.09</b>            |
| WP Labuan         | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 0          | -                      | 0        | -                      | 0        | -                      |
|                   | Private      | na                  | -                      | na       | -                      | na       | -                      | na                     | -                      | na       | -                      | na       | -                      | na         | -                      | na       | -                      | na       | -                      |
| WP Labuan         | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>   | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
|                   | Public       | 0                   | -                      | 0        | -                      | 0        | -                      | 0                      | -                      | 0        | -                      | 1        | -                      | 1          | -                      | 2        | -                      | 2        | -                      |
| Sabah & WP Labuan | Private      | 0                   | -                      | 0        | -                      | 0        | -                      | 0                      | -                      | 0        | -                      | 0        | -                      | 0          | -                      | 1        | -                      | 1        | -                      |
|                   | <b>Total</b> | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.03</b>            | <b>2</b>   | <b>0.06</b>            | <b>3</b> | <b>0.09</b>            | <b>3</b> | <b>0.09</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.9 : Number &amp; Density of Vascular Surgeons, Cardiothoracic Surgeons and Neurosurgeons in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Vascular Surgeons |                        |           |                        |           |                        | Cardiothoracic Surgeons |                        |           |                        |           |                        | Neurosurgeons |                        |           |                        |           |                        |
|---|--------------|-------------------|------------------------|-----------|------------------------|-----------|------------------------|-------------------------|------------------------|-----------|------------------------|-----------|------------------------|---------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010              |                        | 2011      |                        | 2013      |                        | 2010                    |                        | 2011      |                        | 2013      |                        | 2010          |                        | 2011      |                        | 2013      |                        |
|   |              | Number            | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number                  | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number        | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 10                | -                      | 10        | -                      | 13        | -                      | 23                      | -                      | 24        | -                      | 25        | -                      | 36            | -                      | 44        | -                      | 47        | -                      |
| Malaysia                                      | Private      | 9                 | -                      | 9         | -                      | 13        | -                      | 41                      | -                      | 45        | -                      | 49        | -                      | 32            | -                      | 33        | -                      | 43        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>19</b>         | <b>0.07</b>            | <b>19</b> | <b>0.07</b>            | <b>26</b> | <b>0.09</b>            | <b>64</b>               | <b>0.23</b>            | <b>69</b> | <b>0.24</b>            | <b>74</b> | <b>0.25</b>            | <b>68</b>     | <b>0.24</b>            | <b>77</b> | <b>0.27</b>            | <b>90</b> | <b>0.30</b>            |
| Perlis  | Public       | 0                 | -                      | 0         | -                      | 0         | -                      | 0                       | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0         | -                      | 0         | -                      |
| Perlis  | Private      | na                | -                      | na        | -                      | na        | -                      | na                      | -                      | na        | -                      | na        | -                      | na            | -                      | na        | -                      | na        | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah   | Public       | 0                 | -                      | 0         | -                      | 0         | -                      | 0                       | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0         | -                      | 0         | -                      |
| Kedah   | Private      | 0                 | -                      | 0         | -                      | 0         | -                      | 0                       | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.10</b>            |
| Kedah & Perlis                                | Public       | 0                 | -                      | 0         | -                      | 0         | -                      | 0                       | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0         | -                      | 0         | -                      |
| Kedah & Perlis                                | Private      | 0                 | -                      | 0         | -                      | 0         | -                      | 0                       | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.09</b>            |
| Pulau Pinang                                  | Public       | 0                 | -                      | 0         | -                      | 0         | -                      | 3                       | -                      | 2         | -                      | 6         | -                      | 3             | -                      | 3         | -                      | 2         | -                      |
| Pulau Pinang                                  | Private      | 2                 | -                      | 2         | -                      | 2         | -                      | 8                       | -                      | 9         | -                      | 8         | -                      | 7             | -                      | 7         | -                      | 9         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>2</b>          | <b>0.13</b>            | <b>2</b>  | <b>0.13</b>            | <b>2</b>  | <b>0.12</b>            | <b>11</b>               | <b>0.70</b>            | <b>11</b> | <b>0.69</b>            | <b>14</b> | <b>0.86</b>            | <b>10</b>     | <b>0.64</b>            | <b>10</b> | <b>0.63</b>            | <b>11</b> | <b>0.68</b>            |
| Perak   | Public       | 0                 | -                      | 0         | -                      | 0         | -                      | 0                       | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0         | -                      | 0         | -                      |
| Perak   | Private      | 0                 | -                      | 0         | -                      | 0         | -                      | 1                       | -                      | 1         | -                      | 0         | -                      | 2             | -                      | 2         | -                      | 3         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>                | <b>0.04</b>            | <b>1</b>  | <b>0.04</b>            | <b>2</b>  | <b>0.08</b>            | <b>2</b>      | <b>0.09</b>            | <b>3</b>  | <b>0.13</b>            | <b>5</b>  | <b>0.21</b>            |
| Selangor                                      | Public       | 2                 | -                      | 2         | -                      | 2         | -                      | 6                       | -                      | 7         | -                      | 2         | -                      | 2             | -                      | 4         | -                      | 4         | -                      |
| Selangor                                      | Private      | 4                 | -                      | 4         | -                      | 5         | -                      | 7                       | -                      | 8         | -                      | 11        | -                      | 11            | -                      | 9         | -                      | 11        | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>6</b>          | <b>0.11</b>            | <b>6</b>  | <b>0.11</b>            | <b>7</b>  | <b>0.12</b>            | <b>13</b>               | <b>0.24</b>            | <b>15</b> | <b>0.27</b>            | <b>13</b> | <b>0.23</b>            | <b>13</b>     | <b>0.24</b>            | <b>13</b> | <b>0.23</b>            | <b>15</b> | <b>0.26</b>            |
| WP Putrajaya                                  | Public       | 0                 | -                      | 0         | -                      | 0         | -                      | 0                       | -                      | 0         | -                      | 0         | -                      | 0             | -                      | 0         | -                      | 0         | -                      |
| WP Putrajaya                                  | Private      | na                | -                      | na        | -                      | na        | -                      | na                      | -                      | na        | -                      | na        | -                      | na            | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| WPKL  | Public       | 7                 | -                      | 7         | -                      | 10        | -                      | 5                       | -                      | 5         | -                      | 5         | -                      | 14            | -                      | 16        | -                      | 18        | -                      |
| WPKL  | Private      | 1                 | -                      | 2         | -                      | 3         | -                      | 19                      | -                      | 22        | -                      | 21        | -                      | 5             | -                      | 5         | -                      | 7         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>8</b>          | <b>0.48</b>            | <b>9</b>  | <b>0.53</b>            | <b>13</b> | <b>0.75</b>            | <b>24</b>               | <b>1.43</b>            | <b>27</b> | <b>1.59</b>            | <b>26</b> | <b>1.50</b>            | <b>19</b>     | <b>1.13</b>            | <b>21</b> | <b>1.24</b>            | <b>25</b> | <b>1.44</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 9                 | -                      | 9         | -                      | 12        | -                      | 11                      | -                      | 12        | -                      | 7         | -                      | 16            | -                      | 20        | -                      | 22        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 5                 | -                      | 6         | -                      | 8         | -                      | 26                      | -                      | 30        | -                      | 32        | -                      | 16            | -                      | 14        | -                      | 18        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>14</b>         | <b>0.19</b>            | <b>15</b> | <b>0.20</b>            | <b>20</b> | <b>0.27</b>            | <b>37</b>               | <b>0.51</b>            | <b>42</b> | <b>0.57</b>            | <b>39</b> | <b>0.52</b>            | <b>32</b>     | <b>0.44</b>            | <b>34</b> | <b>0.46</b>            | <b>40</b> | <b>0.53</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.9 [continued]: Number &amp; Density of Vascular Surgeons, Cardiothoracic Surgeons and Neurosurgeons in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Vascular Surgeons |                        |          |                        |          |                        | Cardiothoracic Surgeons |                        |          |                        |          |                        | Neurosurgeons |                        |          |                        |          |                        |
|------------------------------|--------------|-------------------|------------------------|----------|------------------------|----------|------------------------|-------------------------|------------------------|----------|------------------------|----------|------------------------|---------------|------------------------|----------|------------------------|----------|------------------------|
|                              |              | 2010              |                        | 2011     |                        | 2013     |                        | 2010                    |                        | 2011     |                        | 2013     |                        | 2010          |                        | 2011     |                        | 2013     |                        |
|                              |              | Number            | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number                  | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number        | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan              | Public       | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| Negeri Sembilan              | Private      | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Melaka                       | Public       | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| Melaka                       | Private      | 1                 | -                      | 0        | -                      | 0        | -                      | 4                       | -                      | 3        | -                      | 4        | -                      | 3             | -                      | 6        | -                      | 5        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>1</b>          | <b>0.12</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.49</b>            | <b>4</b>                | <b>0.49</b>            | <b>3</b> | <b>0.36</b>            | <b>4</b> | <b>0.47</b>            | <b>3</b>      | <b>0.37</b>            | <b>6</b> | <b>0.72</b>            | <b>5</b> | <b>0.59</b>            |
| Johor                        | Public       | 0                 | -                      | 0        | -                      | 0        | -                      | 4                       | -                      | 4        | -                      | 3        | -                      | 4             | -                      | 5        | -                      | 5        | -                      |
| Johor                        | Private      | 1                 | -                      | 1        | -                      | 2        | -                      | 1                       | -                      | 1        | -                      | 1        | -                      | 1             | -                      | 2        | -                      | 4        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>1</b>          | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>5</b>                | <b>0.15</b>            | <b>5</b> | <b>0.15</b>            | <b>4</b> | <b>0.12</b>            | <b>7</b>      | <b>0.21</b>            | <b>7</b> | <b>0.21</b>            | <b>9</b> | <b>0.26</b>            |
| Pahang                       | Public       | 1                 | -                      | 1        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 1        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| Pahang                       | Private      | 0                 | -                      | 0        | -                      | 1        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 1        | -                      | 2        | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>1</b>          | <b>0.07</b>            | <b>1</b> | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.06</b>            | <b>1</b>      | <b>0.07</b>            | <b>1</b> | <b>0.07</b>            | <b>2</b> | <b>0.13</b>            |
| Terengganu                   | Public       | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 2        | -                      | 2        | -                      |
| Terengganu                   | Private      | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>2</b> | <b>0.19</b>            | <b>2</b> | <b>0.18</b>            |
| Kelantan                     | Public       | 0                 | -                      | 0        | -                      | 0        | -                      | 2                       | -                      | 2        | -                      | 3        | -                      | 6             | -                      | 7        | -                      | 5        | -                      |
| Kelantan                     | Private      | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 1        | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.13</b>            | <b>2</b>                | <b>0.12</b>            | <b>2</b> | <b>0.12</b>            | <b>3</b> | <b>0.18</b>            | <b>6</b>      | <b>0.39</b>            | <b>7</b> | <b>0.43</b>            | <b>6</b> | <b>0.36</b>            |
| Sarawak                      | Public       | 0                 | -                      | 0        | -                      | 1        | -                      | 2                       | -                      | 2        | -                      | 4        | -                      | 3             | -                      | 3        | -                      | 3        | -                      |
| Sarawak                      | Private      | 0                 | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 1        | -                      | 1        | -                      | 1             | -                      | 1        | -                      | 1        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.04</b>            | <b>3</b>                | <b>0.12</b>            | <b>3</b> | <b>0.12</b>            | <b>5</b> | <b>0.19</b>            | <b>4</b>      | <b>0.16</b>            | <b>4</b> | <b>0.16</b>            | <b>4</b> | <b>0.16</b>            |
| Sabah                        | Public       | 0                 | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 2        | -                      | 1        | -                      | 1             | -                      | 2        | -                      | 4        | -                      |
| Sabah                        | Private      | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 1        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.03</b>            | <b>1</b>                | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            | <b>1</b>      | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>4</b> | <b>0.12</b>            |
| WP Labuan                    | Public       | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 0        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| WP Labuan                    | Private      | na                | -                      | na       | -                      | na       | -                      | na                      | -                      | na       | -                      | na       | -                      | na            | -                      | na       | -                      | na       | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>      | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Sabah & WP Labuan            | Public       | 0                 | -                      | 0        | -                      | 0        | -                      | 1                       | -                      | 2        | -                      | 1        | -                      | 1             | -                      | 2        | -                      | 4        | -                      |
| Sabah & WP Labuan            | Private      | 0                 | -                      | 0        | -                      | 0        | -                      | 0                       | -                      | 0        | -                      | 1        | -                      | 0             | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>0</b>          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.03</b>            | <b>1</b>                | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            | <b>1</b>      | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>4</b> | <b>0.11</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.10 : Number &amp; Density of Breast &amp; Endocrine Surgeons and Breast Surgeons in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Breast & Endocrine Surgeons |                        |           |                        |           |                        | Breast Surgeons |                        |          |                        |          |                        |
|---|--------------|-----------------------------|------------------------|-----------|------------------------|-----------|------------------------|-----------------|------------------------|----------|------------------------|----------|------------------------|
|   |              | 2010                        |                        | 2011      |                        | 2013      |                        | 2010            |                        | 2011     |                        | 2013     |                        |
|   |              | Number                      | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number          | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Malaysia                                      | Public       | 12                          | -                      | 19        | -                      | 21        | -                      | 3               | -                      | 3        | -                      | 3        | -                      |
| Malaysia                                      | Private      | 5                           | -                      | 4         | -                      | 7         | -                      | 3               | -                      | 4        | -                      | 4        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>17</b>                   | <b>0.06</b>            | <b>23</b> | <b>0.08</b>            | <b>28</b> | <b>0.09</b>            | <b>6</b>        | <b>0.02</b>            | <b>7</b> | <b>0.02</b>            | <b>7</b> | <b>0.02</b>            |
| Perlis  | Public       | 0                           | -                      | 0         | -                      | 0         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Perlis  | Private      | na                          | -                      | na        | -                      | na        | -                      | na              | -                      | na       | -                      | na       | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Kedah   | Public       | 0                           | -                      | 0         | -                      | 0         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Kedah   | Private      | 0                           | -                      | 0         | -                      | 0         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Kedah & Perlis                                | Public       | 0                           | -                      | 0         | -                      | 0         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Kedah & Perlis                                | Private      | 0                           | -                      | 0         | -                      | 0         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Pulau Pinang                                  | Public       | 0                           | -                      | 0         | -                      | 2         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Pulau Pinang                                  | Private      | 0                           | -                      | 0         | -                      | 0         | -                      | 1               | -                      | 1        | -                      | 2        | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>2</b>  | <b>0.12</b>            | <b>1</b>        | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            | <b>2</b> | <b>0.12</b>            |
| Perak   | Public       | 0                           | -                      | 0         | -                      | 0         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Perak   | Private      | 0                           | -                      | 0         | -                      | 0         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Selangor                                      | Public       | 0                           | -                      | 1         | -                      | 0         | -                      | 1               | -                      | 1        | -                      | 1        | -                      |
| Selangor                                      | Private      | 2                           | -                      | 2         | -                      | 4         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>2</b>                    | <b>0.04</b>            | <b>3</b>  | <b>0.05</b>            | <b>4</b>  | <b>0.07</b>            | <b>1</b>        | <b>0.02</b>            | <b>1</b> | <b>0.02</b>            | <b>1</b> | <b>0.02</b>            |
| WP Putrajaya                                  | Public       | 5                           | -                      | 7         | -                      | 3         | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| WP Putrajaya                                  | Private      | na                          | -                      | na        | -                      | na        | -                      | na              | -                      | na       | -                      | na       | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>5</b>                    | <b>6.90</b>            | <b>7</b>  | <b>9.16</b>            | <b>3</b>  | <b>3.64</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| WPKL  | Public       | 4                           | -                      | 8         | -                      | 9         | -                      | 2               | -                      | 2        | -                      | 2        | -                      |
| WPKL  | Private      | 3                           | -                      | 2         | -                      | 3         | -                      | 2               | -                      | 2        | -                      | 2        | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>7</b>                    | <b>0.42</b>            | <b>10</b> | <b>0.59</b>            | <b>12</b> | <b>0.69</b>            | <b>4</b>        | <b>0.24</b>            | <b>4</b> | <b>0.24</b>            | <b>4</b> | <b>0.23</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 9                           | -                      | 16        | -                      | 12        | -                      | 3               | -                      | 3        | -                      | 3        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 5                           | -                      | 4         | -                      | 7         | -                      | 2               | -                      | 2        | -                      | 2        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>14</b>                   | <b>0.19</b>            | <b>20</b> | <b>0.27</b>            | <b>19</b> | <b>0.25</b>            | <b>5</b>        | <b>0.07</b>            | <b>5</b> | <b>0.07</b>            | <b>5</b> | <b>0.07</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.10 [continued]: Number &amp; Density of Breast &amp; Endocrine Surgeons and Breast Surgeons in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Breast & Endocrine Surgeons |                        |          |                        |          |                        | Breast Surgeons |                        |          |                        |          |                        |
|------------------------------|--------------|-----------------------------|------------------------|----------|------------------------|----------|------------------------|-----------------|------------------------|----------|------------------------|----------|------------------------|
|                              |              | 2010                        |                        | 2011     |                        | 2013     |                        | 2010            |                        | 2011     |                        | 2013     |                        |
|                              |              | Number                      | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number          | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan              | Public       | 0                           | -                      | 0        | -                      | 1        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Negeri Sembilan              | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.09</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Melaka                       | Public       | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Melaka                       | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 1        | -                      | 0        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>1</b> | <b>0.12</b>            | <b>0</b> | <b>0.00</b>            |
| Johor                        | Public       | 1                           | -                      | 1        | -                      | 3        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Johor                        | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>1</b>                    | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>3</b> | <b>0.09</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Pahang                       | Public       | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Pahang                       | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Terengganu                   | Public       | 1                           | -                      | 1        | -                      | 2        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Terengganu                   | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>1</b>                    | <b>0.10</b>            | <b>1</b> | <b>0.09</b>            | <b>2</b> | <b>0.18</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Kelantan                     | Public       | 1                           | -                      | 1        | -                      | 1        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Kelantan                     | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>1</b>                    | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Sarawak                      | Public       | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Sarawak                      | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Sabah                        | Public       | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Sabah                        | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| WP Labuan                    | Public       | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| WP Labuan                    | Private      | na                          | -                      | na       | -                      | na       | -                      | na              | -                      | na       | -                      | na       | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Sabah & WP Labuan            | Public       | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| Sabah & WP Labuan            | Private      | 0                           | -                      | 0        | -                      | 0        | -                      | 0               | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>        | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1

Table 4.1.11 : Number &amp; Density of Plastic &amp; Reconstructive Surgeons and Paediatric Surgeons in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Plastic & Reconstructive Surgeons |                        |           |                        |           |                        | Paediatric Surgeons |                        |           |                        |           |                        |
|---|--------------|-----------------------------------|------------------------|-----------|------------------------|-----------|------------------------|---------------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010                              |                        | 2011      |                        | 2013      |                        | 2010                |                        | 2011      |                        | 2013      |                        |
|   |              | Number                            | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number              | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 28                                | -                      | 34        | -                      | 39        | -                      | 21                  | -                      | 19        | -                      | 24        | -                      |
| Malaysia                                      | Private      | 36                                | -                      | 33        | -                      | 31        | -                      | 18                  | -                      | 20        | -                      | 21        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>64</b>                         | <b>0.23</b>            | <b>67</b> | <b>0.23</b>            | <b>71</b> | <b>0.24</b>            | <b>39</b>           | <b>0.50</b>            | <b>39</b> | <b>0.50</b>            | <b>45</b> | <b>0.58</b>            |
| Perlis  | Public       | 0                                 | -                      | 0         | -                      | 0         | -                      | 0                   | -                      | 0         | -                      | 0         | -                      |
| Perlis  | Private      | na                                | -                      | na        | -                      | na        | -                      | na                  | -                      | na        | -                      | na        | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>0</b>                          | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>            | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah   | Public       | 1                                 | -                      | 1         | -                      | 1         | -                      | 2                   | -                      | 2         | -                      | 2         | -                      |
| Kedah   | Private      | 0                                 | -                      | 0         | -                      | 0         | -                      | 0                   | -                      | 0         | -                      | 0         | -                      |
| Kedah   | Total        | 1                                 | 0.05                   | 1         | 0.05                   | 1         | 0.05                   | 2                   | 0.35                   | 2         | 0.35                   | 2         | 0.36                   |
| Kedah & Perlis                                | Public       | 1                                 | -                      | 1         | -                      | 1         | -                      | 2                   | -                      | 2         | -                      | 2         | -                      |
| Kedah & Perlis                                | Private      | 0                                 | -                      | 0         | -                      | 0         | -                      | 0                   | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>1</b>                          | <b>0.05</b>            | <b>1</b>  | <b>0.05</b>            | <b>1</b>  | <b>0.04</b>            | <b>2</b>            | <b>0.32</b>            | <b>2</b>  | <b>0.32</b>            | <b>2</b>  | <b>0.33</b>            |
| Pulau Pinang                                  | Public       | 3                                 | -                      | 3         | -                      | 5         | -                      | 1                   | -                      | 0         | -                      | 0         | -                      |
| Pulau Pinang                                  | Private      | 3                                 | -                      | 3         | -                      | 6         | -                      | 3                   | -                      | 4         | -                      | 4         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>6</b>                          | <b>0.38</b>            | <b>6</b>  | <b>0.38</b>            | <b>11</b> | <b>0.68</b>            | <b>4</b>            | <b>1.11</b>            | <b>4</b>  | <b>1.11</b>            | <b>4</b>  | <b>1.13</b>            |
| Perak   | Public       | 2                                 | -                      | 2         | -                      | 2         | -                      | 1                   | -                      | 0         | -                      | 0         | -                      |
| Perak   | Private      | 3                                 | -                      | 3         | -                      | 3         | -                      | 1                   | -                      | 1         | -                      | 1         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>5</b>                          | <b>0.21</b>            | <b>5</b>  | <b>0.21</b>            | <b>5</b>  | <b>0.21</b>            | <b>2</b>            | <b>0.32</b>            | <b>1</b>  | <b>0.16</b>            | <b>1</b>  | <b>0.16</b>            |
| Selangor                                      | Public       | 4                                 | -                      | 5         | -                      | 5         | -                      | 0                   | -                      | 1         | -                      | 1         | -                      |
| Selangor                                      | Private      | 9                                 | -                      | 10        | -                      | 9         | -                      | 6                   | -                      | 6         | -                      | 5         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>13</b>                         | <b>0.24</b>            | <b>15</b> | <b>0.27</b>            | <b>14</b> | <b>0.24</b>            | <b>6</b>            | <b>0.44</b>            | <b>7</b>  | <b>0.51</b>            | <b>6</b>  | <b>0.43</b>            |
| WP Putrajaya                                  | Public       | 0                                 | -                      | 0         | -                      | 0         | -                      | 0                   | -                      | 0         | -                      | 0         | -                      |
| WP Putrajaya                                  | Private      | na                                | -                      | na        | -                      | na        | -                      | na                  | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>0</b>                          | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>            | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| WPKL  | Public       | 7                                 | -                      | 8         | -                      | 10        | -                      | 9                   | -                      | 9         | -                      | 12        | -                      |
| WPKL  | Private      | 14                                | -                      | 12        | -                      | 13        | -                      | 6                   | -                      | 6         | -                      | 7         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>21</b>                         | <b>1.25</b>            | <b>20</b> | <b>1.18</b>            | <b>23</b> | <b>1.33</b>            | <b>15</b>           | <b>4.05</b>            | <b>15</b> | <b>4.04</b>            | <b>19</b> | <b>5.02</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 11                                | -                      | 13        | -                      | 15        | -                      | 9                   | -                      | 10        | -                      | 13        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 23                                | -                      | 22        | -                      | 22        | -                      | 12                  | -                      | 12        | -                      | 12        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>34</b>                         | <b>0.47</b>            | <b>35</b> | <b>0.48</b>            | <b>37</b> | <b>0.49</b>            | <b>21</b>           | <b>1.19</b>            | <b>22</b> | <b>1.24</b>            | <b>25</b> | <b>1.39</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1



Table 4.1.11 [continued]: Number &amp; Density of Plastic &amp; Reconstructive Surgeons and Paediatric Surgeons in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Plastic & Reconstructive Surgeons |                        |          |                        |          |                        | Paediatric Surgeons |                        |          |                        |          |                        |
|------------------------------|--------------|-----------------------------------|------------------------|----------|------------------------|----------|------------------------|---------------------|------------------------|----------|------------------------|----------|------------------------|
|                              |              | 2010                              |                        | 2011     |                        | 2013     |                        | 2010                |                        | 2011     |                        | 2013     |                        |
|                              |              | Number                            | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number              | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan              | Public       | 0                                 | -                      | 0        | -                      | 0        | -                      | 0                   | -                      | 0        | -                      | 0        | -                      |
| Negeri Sembilan              | Private      | 0                                 | -                      | 0        | -                      | 0        | -                      | 0                   | -                      | 0        | -                      | 0        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>0</b>                          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Melaka                       | Public       | 0                                 | -                      | 0        | -                      | 1        | -                      | 1                   | -                      | 0        | -                      | 1        | -                      |
| Melaka                       | Private      | 2                                 | -                      | 1        | -                      | 1        | -                      | 0                   | -                      | 0        | -                      | 0        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>2</b>                          | <b>0.24</b>            | <b>1</b> | <b>0.12</b>            | <b>2</b> | <b>0.23</b>            | <b>1</b>            | <b>0.46</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.47</b>            |
| Johor                        | Public       | 2                                 | -                      | 3        | -                      | 1        | -                      | 2                   | -                      | 2        | -                      | 3        | -                      |
| Johor                        | Private      | 2                                 | -                      | 2        | -                      | 5        | -                      | 1                   | -                      | 1        | -                      | 1        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>4</b>                          | <b>0.12</b>            | <b>5</b> | <b>0.15</b>            | <b>6</b> | <b>0.17</b>            | <b>3</b>            | <b>0.33</b>            | <b>3</b> | <b>0.33</b>            | <b>4</b> | <b>0.45</b>            |
| Pahang                       | Public       | 0                                 | -                      | 0        | -                      | 0        | -                      | 0                   | -                      | 1        | -                      | 0        | -                      |
| Pahang                       | Private      | 0                                 | -                      | 0        | -                      | 0        | -                      | 0                   | -                      | 0        | -                      | 0        | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>0</b>                          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b>            | <b>0.22</b>            | <b>1</b> | <b>0.22</b>            | <b>0</b> | <b>0.00</b>            |
| Terengganu                   | Public       | 1                                 | -                      | 1        | -                      | 1        | -                      | 0                   | -                      | 0        | -                      | 0        | -                      |
| Terengganu                   | Private      | 0                                 | -                      | 0        | -                      | 0        | -                      | 0                   | -                      | 0        | -                      | 0        | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>1</b>                          | <b>0.10</b>            | <b>1</b> | <b>0.09</b>            | <b>1</b> | <b>0.09</b>            | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Kelantan                     | Public       | 6                                 | -                      | 7        | -                      | 4        | -                      | 2                   | -                      | 2        | -                      | 3        | -                      |
| Kelantan                     | Private      | 0                                 | -                      | 0        | -                      | 0        | -                      | 1                   | -                      | 2        | -                      | 2        | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>6</b>                          | <b>0.39</b>            | <b>7</b> | <b>0.43</b>            | <b>4</b> | <b>0.24</b>            | <b>3</b>            | <b>0.60</b>            | <b>4</b> | <b>0.75</b>            | <b>5</b> | <b>0.94</b>            |
| Sarawak                      | Public       | 0                                 | -                      | 0        | -                      | 0        | -                      | 1                   | -                      | 1        | -                      | 1        | -                      |
| Sarawak                      | Private      | 2                                 | -                      | 1        | -                      | 1        | -                      | 0                   | -                      | 0        | -                      | 0        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>2</b>                          | <b>0.08</b>            | <b>1</b> | <b>0.04</b>            | <b>1</b> | <b>0.04</b>            | <b>1</b>            | <b>0.14</b>            | <b>1</b> | <b>0.14</b>            | <b>1</b> | <b>0.14</b>            |
| Sabah                        | Public       | 2                                 | -                      | 4        | -                      | 2        | -                      | 1                   | -                      | 1        | -                      | 1        | -                      |
| Sabah                        | Private      | 1                                 | -                      | 1        | -                      | 1        | -                      | 0                   | -                      | 0        | -                      | 1        | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>3</b>                          | <b>0.09</b>            | <b>5</b> | <b>0.15</b>            | <b>3</b> | <b>0.09</b>            | <b>1</b>            | <b>0.10</b>            | <b>1</b> | <b>0.11</b>            | <b>2</b> | <b>0.21</b>            |
| WP Labuan                    | Public       | 0                                 | -                      | 0        | -                      | 0        | -                      | 0                   | -                      | 0        | -                      | 0        | -                      |
| WP Labuan                    | Private      | na                                | -                      | na       | -                      | na       | -                      | na                  | -                      | na       | -                      | na       | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>                          | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Sabah & WP Labuan            | Public       | 2                                 | -                      | 4        | -                      | 2        | -                      | 1                   | -                      | 1        | -                      | 1        | -                      |
| Sabah & WP Labuan            | Private      | 1                                 | -                      | 1        | -                      | 1        | -                      | 0                   | -                      | 0        | -                      | 1        | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>3</b>                          | <b>0.09</b>            | <b>5</b> | <b>0.15</b>            | <b>3</b> | <b>0.09</b>            | <b>1</b>            | <b>0.10</b>            | <b>1</b> | <b>0.11</b>            | <b>2</b> | <b>0.21</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.12: Number &amp; Density of Obstetricians &amp; Gynaecologists and Paediatricians in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Obstetricians & Gynaecologists |                               |            |                               |            |                               | Paediatricians |                        |            |                        |            |                        |
|---|--------------|--------------------------------|-------------------------------|------------|-------------------------------|------------|-------------------------------|----------------|------------------------|------------|------------------------|------------|------------------------|
|   |              | 2010                           |                               | 2011       |                               | 2013       |                               | 2010           |                        | 2011       |                        | 2013       |                        |
|   |              | Number                         | Per 100,000 female population | Number     | Per 100,000 female population | Number     | Per 100,000 female population | Number         | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population |
| Malaysia                                      | Public       | 319                            | -                             | 324        | -                             | 345        | -                             | 346            | -                      | 377        | -                      | 414        | -                      |
| Malaysia                                      | Private      | 461                            | -                             | 510        | -                             | 544        | -                             | 291            | -                      | 291        | -                      | 314        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>780</b>                     | <b>5.66</b>                   | <b>834</b> | <b>5.93</b>                   | <b>889</b> | <b>6.16</b>                   | <b>637</b>     | <b>8.14</b>            | <b>668</b> | <b>8.58</b>            | <b>728</b> | <b>9.40</b>            |
| Perlis  | Public       | 5                              | -                             | 6          | -                             | 6          | -                             | 3              | -                      | 3          | -                      | 4          | -                      |
| Perlis  | Private      | na                             | -                             | na         | -                             | na         | -                             | na             | -                      | na         | -                      | na         | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>5</b>                       | <b>4.25</b>                   | <b>6</b>   | <b>4.97</b>                   | <b>6</b>   | <b>4.90</b>                   | <b>3</b>       | <b>5.13</b>            | <b>3</b>   | <b>4.89</b>            | <b>4</b>   | <b>6.53</b>            |
| Kedah   | Public       | 22                             | -                             | 23         | -                             | 29         | -                             | 18             | -                      | 17         | -                      | 19         | -                      |
| Kedah   | Private      | 19                             | -                             | 21         | -                             | 21         | -                             | 9              | -                      | 10         | -                      | 11         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>41</b>                      | <b>4.26</b>                   | <b>44</b>  | <b>4.51</b>                   | <b>50</b>  | <b>5.00</b>                   | <b>27</b>      | <b>4.72</b>            | <b>27</b>  | <b>4.78</b>            | <b>30</b>  | <b>5.44</b>            |
| Kedah & Perlis                                | Public       | 27                             | -                             | 29         | -                             | 35         | -                             | 21             | -                      | 20         | -                      | 23         | -                      |
| Kedah & Perlis                                | Private      | 19                             | -                             | 21         | -                             | 21         | -                             | 9              | -                      | 10         | -                      | 11         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>46</b>                      | <b>4.26</b>                   | <b>50</b>  | <b>4.56</b>                   | <b>56</b>  | <b>4.98</b>                   | <b>30</b>      | <b>4.76</b>            | <b>30</b>  | <b>4.79</b>            | <b>34</b>  | <b>5.54</b>            |
| Pulau Pinang                                  | Public       | 14                             | -                             | 16         | -                             | 16         | -                             | 25             | -                      | 29         | -                      | 26         | -                      |
| Pulau Pinang                                  | Private      | 52                             | -                             | 52         | -                             | 52         | -                             | 43             | -                      | 41         | -                      | 45         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>66</b>                      | <b>8.47</b>                   | <b>68</b>  | <b>8.56</b>                   | <b>68</b>  | <b>8.38</b>                   | <b>68</b>      | <b>18.83</b>           | <b>70</b>  | <b>19.49</b>           | <b>71</b>  | <b>20.02</b>           |
| Perak   | Public       | 25                             | -                             | 21         | -                             | 22         | -                             | 26             | -                      | 27         | -                      | 28         | -                      |
| Perak   | Private      | 42                             | -                             | 43         | -                             | 44         | -                             | 19             | -                      | 20         | -                      | 19         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>67</b>                      | <b>5.75</b>                   | <b>64</b>  | <b>5.40</b>                   | <b>66</b>  | <b>5.48</b>                   | <b>45</b>      | <b>7.18</b>            | <b>47</b>  | <b>7.44</b>            | <b>47</b>  | <b>7.73</b>            |
| Selangor                                      | Public       | 57                             | -                             | 53         | -                             | 53         | -                             | 51             | -                      | 53         | -                      | 62         | -                      |
| Selangor                                      | Private      | 120                            | -                             | 139        | -                             | 155        | -                             | 78             | -                      | 87         | -                      | 94         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>177</b>                     | <b>6.71</b>                   | <b>192</b> | <b>7.64</b>                   | <b>208</b> | <b>7.53</b>                   | <b>129</b>     | <b>9.40</b>            | <b>140</b> | <b>10.15</b>           | <b>156</b> | <b>11.21</b>           |
| WP Putrajaya                                  | Public       | 7                              | -                             | 7          | -                             | 7          | -                             | 6              | -                      | 8          | -                      | 11         | -                      |
| WP Putrajaya                                  | Private      | na                             | -                             | na         | -                             | na         | -                             | na             | -                      | na         | -                      | na         | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>7</b>                       | <b>18.32</b>                  | <b>7</b>   | <b>17.24</b>                  | <b>7</b>   | <b>15.98</b>                  | <b>6</b>       | <b>26.84</b>           | <b>8</b>   | <b>31.25</b>           | <b>11</b>  | <b>36.91</b>           |
| WPKL  | Public       | 52                             | -                             | 57         | -                             | 61         | -                             | 91             | -                      | 102        | -                      | 106        | -                      |
| WPKL  | Private      | 102                            | -                             | 102        | -                             | 109        | -                             | 70             | -                      | 56         | -                      | 67         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>154</b>                     | <b>18.72</b>                  | <b>159</b> | <b>19.17</b>                  | <b>170</b> | <b>20.00</b>                  | <b>161</b>     | <b>43.49</b>           | <b>158</b> | <b>42.56</b>           | <b>173</b> | <b>45.68</b>           |
| Selangor & WP Putrajaya & WPKL                | Public       | 116                            | -                             | 117        | -                             | 121        | -                             | 148            | -                      | 163        | -                      | 179        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 222                            | -                             | 241        | -                             | 264        | -                             | 148            | -                      | 143        | -                      | 161        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>338</b>                     | <b>9.66</b>                   | <b>358</b> | <b>10.58</b>                  | <b>385</b> | <b>10.53</b>                  | <b>296</b>     | <b>16.77</b>           | <b>306</b> | <b>17.23</b>           | <b>340</b> | <b>18.89</b>           |

Abbreviation: - not available; na - not applicable

FSelangor &amp; WP Putrajaya &amp; WPKL are also collectively referred to as Klang Valley.

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.2 &amp; Table A3.12

Table 4.1.12 [continued]: Number &amp; Density of Obstetricians &amp; Gynaecologists and Paediatricians in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Obstetricians & Gynaecologists |                               |           |                               |           |                               | Paediatricians |                        |           |                        |           |                        |
|------------------------------|--------------|--------------------------------|-------------------------------|-----------|-------------------------------|-----------|-------------------------------|----------------|------------------------|-----------|------------------------|-----------|------------------------|
|                              |              | 2010                           |                               | 2011      |                               | 2013      |                               | 2010           |                        | 2011      |                        | 2013      |                        |
|                              |              | Number                         | Per 100,000 female population | Number    | Per 100,000 female population | Number    | Per 100,000 female population | Number         | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Negeri Sembilan              | Public       | 10                             | -                             | 12        | -                             | 13        | -                             | 10             | -                      | 13        | -                      | 13        | -                      |
| Negeri Sembilan              | Private      | 18                             | -                             | 20        | -                             | 22        | -                             | 12             | -                      | 15        | -                      | 14        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>28</b>                      | <b>5.69</b>                   | <b>32</b> | <b>6.35</b>                   | <b>35</b> | <b>6.75</b>                   | <b>22</b>      | <b>8.11</b>            | <b>28</b> | <b>10.14</b>           | <b>27</b> | <b>9.85</b>            |
| Melaka                       | Public       | 9                              | -                             | 5         | -                             | 8         | -                             | 7              | -                      | 8         | -                      | 9         | -                      |
| Melaka                       | Private      | 18                             | -                             | 20        | -                             | 21        | -                             | 13             | -                      | 13        | -                      | 14        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>27</b>                      | <b>6.61</b>                   | <b>25</b> | <b>6.04</b>                   | <b>29</b> | <b>6.85</b>                   | <b>20</b>      | <b>9.27</b>            | <b>21</b> | <b>9.77</b>            | <b>23</b> | <b>10.87</b>           |
| Johor                        | Public       | 27                             | -                             | 31        | -                             | 24        | -                             | 23             | -                      | 28        | -                      | 26        | -                      |
| Johor                        | Private      | 38                             | -                             | 50        | -                             | 52        | -                             | 17             | -                      | 17        | -                      | 18        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>65</b>                      | <b>4.11</b>                   | <b>81</b> | <b>5.04</b>                   | <b>76</b> | <b>4.61</b>                   | <b>40</b>      | <b>4.39</b>            | <b>45</b> | <b>4.96</b>            | <b>44</b> | <b>4.93</b>            |
| Pahang                       | Public       | 16                             | -                             | 15        | -                             | 17        | -                             | 14             | -                      | 13        | -                      | 21        | -                      |
| Pahang                       | Private      | 7                              | -                             | 10        | -                             | 13        | -                             | 6              | -                      | 6         | -                      | 6         | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>23</b>                      | <b>3.26</b>                   | <b>25</b> | <b>3.49</b>                   | <b>30</b> | <b>4.06</b>                   | <b>20</b>      | <b>4.42</b>            | <b>19</b> | <b>4.24</b>            | <b>27</b> | <b>6.01</b>            |
| Terengganu                   | Public       | 10                             | -                             | 11        | -                             | 16        | -                             | 7              | -                      | 7         | -                      | 9         | -                      |
| Terengganu                   | Private      | 1                              | -                             | 2         | -                             | 2         | -                             | 1              | -                      | 1         | -                      | 1         | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>11</b>                      | <b>2.17</b>                   | <b>13</b> | <b>2.47</b>                   | <b>18</b> | <b>3.30</b>                   | <b>8</b>       | <b>2.39</b>            | <b>8</b>  | <b>2.29</b>            | <b>10</b> | <b>2.85</b>            |
| Kelantan                     | Public       | 22                             | -                             | 24        | -                             | 30        | -                             | 25             | -                      | 26        | -                      | 29        | -                      |
| Kelantan                     | Private      | 6                              | -                             | 5         | -                             | 5         | -                             | 6              | -                      | 5         | -                      | 5         | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>28</b>                      | <b>3.66</b>                   | <b>29</b> | <b>3.61</b>                   | <b>35</b> | <b>4.21</b>                   | <b>31</b>      | <b>6.23</b>            | <b>31</b> | <b>5.78</b>            | <b>34</b> | <b>6.42</b>            |
| Sarawak                      | Public       | 19                             | -                             | 21        | -                             | 21        | -                             | 21             | -                      | 23        | -                      | 26        | -                      |
| Sarawak                      | Private      | 24                             | -                             | 29        | -                             | 31        | -                             | 13             | -                      | 15        | -                      | 14        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>43</b>                      | <b>3.59</b>                   | <b>50</b> | <b>4.12</b>                   | <b>52</b> | <b>4.18</b>                   | <b>34</b>      | <b>4.77</b>            | <b>38</b> | <b>5.35</b>            | <b>40</b> | <b>5.74</b>            |
| Sabah                        | Public       | 23                             | -                             | 21        | -                             | 21        | -                             | 19             | -                      | 20        | -                      | 24        | -                      |
| Sabah                        | Private      | 14                             | -                             | 17        | -                             | 17        | -                             | 4              | -                      | 5         | -                      | 6         | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>37</b>                      | <b>2.39</b>                   | <b>38</b> | <b>2.39</b>                   | <b>38</b> | <b>2.31</b>                   | <b>23</b>      | <b>2.24</b>            | <b>25</b> | <b>2.71</b>            | <b>30</b> | <b>3.22</b>            |
| WP Labuan                    | Public       | 1                              | -                             | 1         | -                             | 1         | -                             | 0              | -                      | 0         | -                      | 1         | -                      |
| WP Labuan                    | Private      | na                             | -                             | na        | -                             | na        | -                             | na             | -                      | na        | -                      | na        | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>1</b>                       | <b>2.38</b>                   | <b>1</b>  | <b>2.30</b>                   | <b>1</b>  | <b>2.21</b>                   | <b>0</b>       | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>3.62</b>            |
| Sabah & WP Labuan            | Public       | 24                             | -                             | 22        | -                             | 22        | -                             | 19             | -                      | 20        | -                      | 25        | -                      |
| Sabah & WP Labuan            | Private      | 14                             | -                             | 17        | -                             | 17        | -                             | 4              | -                      | 5         | -                      | 6         | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>38</b>                      | <b>2.39</b>                   | <b>39</b> | <b>2.39</b>                   | <b>39</b> | <b>2.31</b>                   | <b>23</b>      | <b>2.19</b>            | <b>25</b> | <b>2.64</b>            | <b>31</b> | <b>3.23</b>            |

Abbreviation: - not available; na - not applicable

F'Selangor &amp; WP Putrajaya &amp; WPKL are also collectively referred to as Klang Valley.

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.2 &amp; Table A3.12

Table 4.1.13 : Number &amp; Density of Emergency Medicine Specialists and Anaesthesiologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Emergency/Medicine Specialists |                        |            |                        |            |                        | Anaesthesiologists |                        |            |                        |            |                        |
|---|--------------|--------------------------------|------------------------|------------|------------------------|------------|------------------------|--------------------|------------------------|------------|------------------------|------------|------------------------|
|   |              | 2010                           |                        | 2011       |                        | 2013       |                        | 2010               |                        | 2011       |                        | 2013       |                        |
|   |              | Number                         | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number             | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population |
| Malaysia                                      | Public       | 93                             | -                      | 101        | -                      | 164        | -                      | 385                | -                      | 381        | -                      | 414        | -                      |
| Malaysia                                      | Private      | 0                              | -                      | 0          | -                      | 0          | -                      | 292                | -                      | 303        | -                      | 339        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>93</b>                      | <b>0.33</b>            | <b>101</b> | <b>0.35</b>            | <b>164</b> | <b>0.55</b>            | <b>677</b>         | <b>2.39</b>            | <b>684</b> | <b>2.36</b>            | <b>753</b> | <b>2.53</b>            |
| Perlis  | Public       | 2                              | -                      | 2          | -                      | 2          | -                      | 5                  | -                      | 4          | -                      | 4          | -                      |
| Perlis  | Private      | na                             | -                      | na         | -                      | na         | -                      | na                 | -                      | na         | -                      | 0          | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>2</b>                       | <b>0.86</b>            | <b>2</b>   | <b>0.84</b>            | <b>2</b>   | <b>0.83</b>            | <b>5</b>           | <b>2.16</b>            | <b>4</b>   | <b>1.68</b>            | <b>4</b>   | <b>1.66</b>            |
| Kedah   | Public       | 5                              | -                      | 5          | -                      | 11         | -                      | 16                 | -                      | 17         | -                      | 20         | -                      |
| Kedah   | Private      | 0                              | -                      | 0          | -                      | 0          | -                      | 11                 | -                      | 10         | -                      | 11         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>5</b>                       | <b>0.26</b>            | <b>5</b>   | <b>0.25</b>            | <b>11</b>  | <b>0.54</b>            | <b>27</b>          | <b>1.39</b>            | <b>27</b>  | <b>1.37</b>            | <b>31</b>  | <b>1.53</b>            |
| Kedah & Perlis                                | Public       | 7                              | -                      | 7          | -                      | 13         | -                      | 21                 | -                      | 21         | -                      | 24         | -                      |
| Kedah & Perlis                                | Private      | 0                              | -                      | 0          | -                      | 0          | -                      | 11                 | -                      | 10         | -                      | 11         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>7</b>                       | <b>0.32</b>            | <b>7</b>   | <b>0.32</b>            | <b>13</b>  | <b>0.57</b>            | <b>32</b>          | <b>1.47</b>            | <b>31</b>  | <b>1.40</b>            | <b>35</b>  | <b>1.55</b>            |
| Pulau Pinang                                  | Public       | 4                              | -                      | 4          | -                      | 7          | -                      | 19                 | -                      | 20         | -                      | 26         | -                      |
| Pulau Pinang                                  | Private      | 0                              | -                      | 0          | -                      | 0          | -                      | 35                 | -                      | 35         | -                      | 38         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>4</b>                       | <b>0.26</b>            | <b>4</b>   | <b>0.31</b>            | <b>7</b>   | <b>0.43</b>            | <b>54</b>          | <b>3.46</b>            | <b>55</b>  | <b>3.45</b>            | <b>64</b>  | <b>3.93</b>            |
| Perak   | Public       | 5                              | -                      | 5          | -                      | 8          | -                      | 31                 | -                      | 29         | -                      | 28         | -                      |
| Perak   | Private      | 0                              | -                      | 0          | -                      | 0          | -                      | 22                 | -                      | 23         | -                      | 24         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>5</b>                       | <b>0.21</b>            | <b>5</b>   | <b>0.21</b>            | <b>8</b>   | <b>0.33</b>            | <b>53</b>          | <b>2.25</b>            | <b>52</b>  | <b>2.17</b>            | <b>52</b>  | <b>2.13</b>            |
| Selangor                                      | Public       | 16                             | -                      | 17         | -                      | 28         | -                      | 64                 | -                      | 65         | -                      | 69         | -                      |
| Selangor                                      | Private      | 0                              | -                      | 0          | -                      | 0          | -                      | 78                 | -                      | 85         | -                      | 96         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>16</b>                      | <b>0.29</b>            | <b>17</b>  | <b>0.30</b>            | <b>28</b>  | <b>0.49</b>            | <b>142</b>         | <b>2.60</b>            | <b>150</b> | <b>2.69</b>            | <b>165</b> | <b>2.88</b>            |
| WP Putrajaya                                  | Public       | 1                              | -                      | 2          | -                      | 3          | -                      | 7                  | -                      | 7          | -                      | 9          | -                      |
| WP Putrajaya                                  | Private      | na                             | -                      | na         | -                      | na         | -                      | na                 | -                      | na         | -                      | 0          | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>1</b>                       | <b>1.38</b>            | <b>2</b>   | <b>2.62</b>            | <b>3</b>   | <b>3.64</b>            | <b>7</b>           | <b>9.67</b>            | <b>7</b>   | <b>9.16</b>            | <b>9</b>   | <b>10.91</b>           |
| WPKL  | Public       | 21                             | -                      | 25         | -                      | 37         | -                      | 87                 | -                      | 87         | -                      | 89         | -                      |
| WPKL  | Private      | 0                              | -                      | 0          | -                      | 0          | -                      | 69                 | -                      | 71         | -                      | 80         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>21</b>                      | <b>1.25</b>            | <b>25</b>  | <b>1.48</b>            | <b>37</b>  | <b>2.14</b>            | <b>156</b>         | <b>9.32</b>            | <b>158</b> | <b>9.32</b>            | <b>169</b> | <b>9.76</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 38                             | -                      | 44         | -                      | 68         | -                      | 158                | -                      | 159        | -                      | 167        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 0                              | -                      | 0          | -                      | 0          | -                      | 147                | -                      | 156        | -                      | 176        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>38</b>                      | <b>0.53</b>            | <b>44</b>  | <b>0.60</b>            | <b>68</b>  | <b>0.90</b>            | <b>305</b>         | <b>4.23</b>            | <b>315</b> | <b>4.29</b>            | <b>343</b> | <b>4.55</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.13 [continued]: Number &amp; Density of Emergency Medicine Specialists and Anaesthesiologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Emergency Medicine Specialists |                        |           |                        |           |                        | Anaesthesiologists |                        |           |                        |           |                        |
|------------------------------|--------------|--------------------------------|------------------------|-----------|------------------------|-----------|------------------------|--------------------|------------------------|-----------|------------------------|-----------|------------------------|
|                              |              | 2010                           |                        | 2011      |                        | 2013      |                        | 2010               |                        | 2011      |                        | 2013      |                        |
|                              |              | Number                         | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number             | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Negeri Sembilan              | Public       | 3                              | -                      | 3         | -                      | 6         | -                      | 10                 | -                      | 11        | -                      | 13        | -                      |
| Negeri Sembilan              | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 9                  | -                      | 9         | -                      | 12        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>3</b>                       | <b>0.29</b>            | <b>3</b>  | <b>0.29</b>            | <b>6</b>  | <b>0.56</b>            | <b>19</b>          | <b>1.86</b>            | <b>20</b> | <b>1.92</b>            | <b>25</b> | <b>2.34</b>            |
| Melaka                       | Public       | 3                              | -                      | 3         | -                      | 5         | -                      | 11                 | -                      | 10        | -                      | 12        | -                      |
| Melaka                       | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 17                 | -                      | 17        | -                      | 18        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>3</b>                       | <b>0.37</b>            | <b>3</b>  | <b>0.36</b>            | <b>5</b>  | <b>0.59</b>            | <b>28</b>          | <b>3.41</b>            | <b>27</b> | <b>3.24</b>            | <b>30</b> | <b>3.52</b>            |
| Johor                        | Public       | 5                              | -                      | 5         | -                      | 9         | -                      | 35                 | -                      | 35        | -                      | 35        | -                      |
| Johor                        | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 25                 | -                      | 25        | -                      | 27        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>5</b>                       | <b>0.15</b>            | <b>5</b>  | <b>0.15</b>            | <b>9</b>  | <b>0.26</b>            | <b>60</b>          | <b>1.79</b>            | <b>60</b> | <b>1.76</b>            | <b>62</b> | <b>1.78</b>            |
| Pahang                       | Public       | 3                              | -                      | 3         | -                      | 7         | -                      | 18                 | -                      | 17        | -                      | 19        | -                      |
| Pahang                       | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 5                  | -                      | 6         | -                      | 7         | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>3</b>                       | <b>0.20</b>            | <b>3</b>  | <b>0.20</b>            | <b>7</b>  | <b>0.45</b>            | <b>23</b>          | <b>1.53</b>            | <b>23</b> | <b>1.51</b>            | <b>26</b> | <b>1.65</b>            |
| Terengganu                   | Public       | 4                              | -                      | 4         | -                      | 5         | -                      | 12                 | -                      | 12        | -                      | 18        | -                      |
| Terengganu                   | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 1                  | -                      | 1         | -                      | 1         | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>4</b>                       | <b>0.39</b>            | <b>4</b>  | <b>0.37</b>            | <b>5</b>  | <b>0.45</b>            | <b>13</b>          | <b>1.25</b>            | <b>13</b> | <b>1.21</b>            | <b>19</b> | <b>1.71</b>            |
| Kelantan                     | Public       | 14                             | -                      | 15        | -                      | 15        | -                      | 25                 | -                      | 27        | -                      | 28        | -                      |
| Kelantan                     | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 3                  | -                      | 2         | -                      | 2         | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>14</b>                      | <b>0.91</b>            | <b>15</b> | <b>0.93</b>            | <b>15</b> | <b>0.90</b>            | <b>28</b>          | <b>1.82</b>            | <b>29</b> | <b>1.80</b>            | <b>30</b> | <b>1.80</b>            |
| Sarawak                      | Public       | 3                              | -                      | 3         | -                      | 8         | -                      | 22                 | -                      | 18        | -                      | 18        | -                      |
| Sarawak                      | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 13                 | -                      | 14        | -                      | 15        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>3</b>                       | <b>0.12</b>            | <b>3</b>  | <b>0.12</b>            | <b>8</b>  | <b>0.31</b>            | <b>35</b>          | <b>1.42</b>            | <b>32</b> | <b>1.27</b>            | <b>33</b> | <b>1.28</b>            |
| Sabah                        | Public       | 4                              | -                      | 5         | -                      | 13        | -                      | 22                 | -                      | 21        | -                      | 25        | -                      |
| Sabah                        | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 4                  | -                      | 5         | -                      | 8         | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>4</b>                       | <b>0.12</b>            | <b>5</b>  | <b>0.15</b>            | <b>13</b> | <b>0.38</b>            | <b>26</b>          | <b>0.81</b>            | <b>26</b> | <b>0.78</b>            | <b>33</b> | <b>0.96</b>            |
| WP Labuan                    | Public       | 0                              | -                      | 0         | -                      | 0         | -                      | 1                  | -                      | 1         | -                      | 1         | -                      |
| WP Labuan                    | Private      | na                             | -                      | na        | -                      | na        | -                      | na                 | -                      | na        | -                      | 0         | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>                       | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>           | <b>1.15</b>            | <b>1</b>  | <b>1.11</b>            | <b>1</b>  | <b>1.07</b>            |
| Sabah & WP Labuan            | Public       | 4                              | -                      | 5         | -                      | 13        | -                      | 23                 | -                      | 22        | -                      | 26        | -                      |
| Sabah & WP Labuan            | Private      | 0                              | -                      | 0         | -                      | 0         | -                      | 4                  | -                      | 5         | -                      | 8         | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>4</b>                       | <b>0.12</b>            | <b>5</b>  | <b>0.15</b>            | <b>13</b> | <b>0.37</b>            | <b>27</b>          | <b>0.82</b>            | <b>27</b> | <b>0.79</b>            | <b>34</b> | <b>0.97</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1

Table 4.1.14 : Number &amp; Density of Ophthalmologists and Otorhinolaryngologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Ophthalmologists |                        |            |                        |            |                        | Otorhinolaryngologists |                        |            |                        |            |                        |
|---|--------------|------------------|------------------------|------------|------------------------|------------|------------------------|------------------------|------------------------|------------|------------------------|------------|------------------------|
|   |              | 2010             |                        | 2011       |                        | 2013       |                        | 2010                   |                        | 2011       |                        | 2013       |                        |
|   |              | Number           | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number                 | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population |
| Malaysia                                      | Public       | 216              | -                      | 218        | -                      | 245        | -                      | 147                    | -                      | 153        | -                      | 167        | -                      |
| Malaysia                                      | Private      | 159              | -                      | 164        | -                      | 185        | -                      | 139                    | -                      | 142        | -                      | 158        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>375</b>       | <b>1.32</b>            | <b>382</b> | <b>1.32</b>            | <b>430</b> | <b>1.45</b>            | <b>286</b>             | <b>1.01</b>            | <b>295</b> | <b>1.02</b>            | <b>325</b> | <b>1.09</b>            |
| Perlis  | Public       | 3                | -                      | 3          | -                      | 3          | -                      | 3                      | -                      | 4          | -                      | 3          | -                      |
| Perlis  | Private      | na               | -                      | na         | -                      | na         | -                      | na                     | -                      | na         | -                      | na         | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>3</b>         | <b>1.30</b>            | <b>3</b>   | <b>1.26</b>            | <b>3</b>   | <b>1.24</b>            | <b>3</b>               | <b>1.30</b>            | <b>4</b>   | <b>1.68</b>            | <b>3</b>   | <b>1.24</b>            |
| Kedah   | Public       | 13               | -                      | 11         | -                      | 13         | -                      | 10                     | -                      | 9          | -                      | 12         | -                      |
| Kedah   | Private      | 6                | -                      | 7          | -                      | 5          | -                      | 5                      | -                      | 6          | -                      | 6          | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>19</b>        | <b>0.98</b>            | <b>18</b>  | <b>0.91</b>            | <b>18</b>  | <b>0.89</b>            | <b>15</b>              | <b>0.77</b>            | <b>15</b>  | <b>0.76</b>            | <b>18</b>  | <b>0.89</b>            |
| Kedah & Perlis                                | Public       | 16               | -                      | 14         | -                      | 16         | -                      | 13                     | -                      | 13         | -                      | 15         | -                      |
| Kedah & Perlis                                | Private      | 6                | -                      | 7          | -                      | 5          | -                      | 5                      | -                      | 6          | -                      | 6          | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>22</b>        | <b>1.01</b>            | <b>21</b>  | <b>0.95</b>            | <b>21</b>  | <b>0.93</b>            | <b>18</b>              | <b>0.83</b>            | <b>19</b>  | <b>0.86</b>            | <b>21</b>  | <b>0.93</b>            |
| Pulau Pinang                                  | Public       | 10               | -                      | 9          | -                      | 10         | -                      | 5                      | -                      | 4          | -                      | 7          | -                      |
| Pulau Pinang                                  | Private      | 21               | -                      | 20         | -                      | 25         | -                      | 18                     | -                      | 18         | -                      | 18         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>31</b>        | <b>1.99</b>            | <b>29</b>  | <b>1.82</b>            | <b>35</b>  | <b>2.15</b>            | <b>23</b>              | <b>1.47</b>            | <b>22</b>  | <b>1.38</b>            | <b>25</b>  | <b>1.54</b>            |
| Perak   | Public       | 11               | -                      | 8          | -                      | 16         | -                      | 10                     | -                      | 12         | -                      | 14         | -                      |
| Perak   | Private      | 14               | -                      | 14         | -                      | 16         | -                      | 10                     | -                      | 10         | -                      | 10         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>25</b>        | <b>1.06</b>            | <b>22</b>  | <b>0.92</b>            | <b>32</b>  | <b>1.31</b>            | <b>20</b>              | <b>0.85</b>            | <b>22</b>  | <b>0.92</b>            | <b>24</b>  | <b>0.99</b>            |
| Selangor                                      | Public       | 47               | -                      | 51         | -                      | 54         | -                      | 21                     | -                      | 23         | -                      | 25         | -                      |
| Selangor                                      | Private      | 46               | -                      | 52         | -                      | 62         | -                      | 35                     | -                      | 40         | -                      | 43         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>93</b>        | <b>1.70</b>            | <b>103</b> | <b>1.85</b>            | <b>116</b> | <b>2.03</b>            | <b>56</b>              | <b>1.03</b>            | <b>63</b>  | <b>1.13</b>            | <b>68</b>  | <b>1.19</b>            |
| WP Putrajaya                                  | Public       | 3                | -                      | 4          | -                      | 4          | -                      | 4                      | -                      | 5          | -                      | 6          | -                      |
| WP Putrajaya                                  | Private      | na               | -                      | na         | -                      | na         | -                      | na                     | -                      | na         | -                      | na         | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>3</b>         | <b>4.14</b>            | <b>4</b>   | <b>5.24</b>            | <b>4</b>   | <b>4.85</b>            | <b>4</b>               | <b>5.52</b>            | <b>5</b>   | <b>6.54</b>            | <b>6</b>   | <b>7.27</b>            |
| WPKL  | Public       | 40               | -                      | 44         | -                      | 47         | -                      | 29                     | -                      | 33         | -                      | 27         | -                      |
| WPKL  | Private      | 33               | -                      | 29         | -                      | 28         | -                      | 33                     | -                      | 30         | -                      | 35         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>73</b>        | <b>4.36</b>            | <b>73</b>  | <b>4.31</b>            | <b>75</b>  | <b>4.33</b>            | <b>62</b>              | <b>3.70</b>            | <b>63</b>  | <b>3.72</b>            | <b>62</b>  | <b>3.58</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 90               | -                      | 63         | -                      | 105        | -                      | 54                     | -                      | 61         | -                      | 58         | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 79               | -                      | 40         | -                      | 90         | -                      | 68                     | -                      | 70         | -                      | 78         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>169</b>       | <b>2.34</b>            | <b>180</b> | <b>2.45</b>            | <b>195</b> | <b>2.59</b>            | <b>90</b>              | <b>1.25</b>            | <b>131</b> | <b>1.78</b>            | <b>136</b> | <b>1.80</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1

Table 4.1.14 [continued]: Number &amp; Density of Ophthalmologists and Otorhinolaryngologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Ophthalmologists |                        |           |                        |           |                        | Otorhinolaryngologists |                        |           |                        |           |                        |
|------------------------------|--------------|------------------|------------------------|-----------|------------------------|-----------|------------------------|------------------------|------------------------|-----------|------------------------|-----------|------------------------|
|                              |              | 2010             |                        | 2011      |                        | 2013      |                        | 2010                   |                        | 2011      |                        | 2013      |                        |
|                              |              | Number           | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number                 | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Negeri Sembilan              | Public       | 9                | -                      | 9         | -                      | 11        | -                      | 5                      | -                      | 4         | -                      | 7         | -                      |
| Negeri Sembilan              | Private      | 6                | -                      | 6         | -                      | 7         | -                      | 5                      | -                      | 5         | -                      | 5         | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>15</b>        | <b>1.47</b>            | <b>15</b> | <b>1.44</b>            | <b>18</b> | <b>1.68</b>            | <b>10</b>              | <b>0.98</b>            | <b>9</b>  | <b>0.86</b>            | <b>12</b> | <b>1.12</b>            |
| Melaka                       | Public       | 6                | -                      | 7         | -                      | 7         | -                      | 5                      | -                      | 4         | -                      | 5         | -                      |
| Melaka                       | Private      | 11               | -                      | 11        | -                      | 11        | -                      | 9                      | -                      | 9         | -                      | 10        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>17</b>        | <b>2.07</b>            | <b>18</b> | <b>2.16</b>            | <b>18</b> | <b>2.11</b>            | <b>14</b>              | <b>1.71</b>            | <b>13</b> | <b>1.56</b>            | <b>15</b> | <b>1.76</b>            |
| Johor                        | Public       | 14               | -                      | 13        | -                      | 16        | -                      | 12                     | -                      | 12        | -                      | 14        | -                      |
| Johor                        | Private      | 8                | -                      | 9         | -                      | 10        | -                      | 10                     | -                      | 11        | -                      | 14        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>22</b>        | <b>0.66</b>            | <b>22</b> | <b>0.65</b>            | <b>26</b> | <b>0.75</b>            | <b>22</b>              | <b>0.66</b>            | <b>23</b> | <b>0.68</b>            | <b>28</b> | <b>0.81</b>            |
| Pahang                       | Public       | 12               | -                      | 12        | -                      | 11        | -                      | 10                     | -                      | 10        | -                      | 11        | -                      |
| Pahang                       | Private      | 3                | -                      | 2         | -                      | 4         | -                      | 4                      | -                      | 4         | -                      | 7         | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>15</b>        | <b>1.00</b>            | <b>14</b> | <b>0.92</b>            | <b>15</b> | <b>0.95</b>            | <b>14</b>              | <b>0.93</b>            | <b>14</b> | <b>0.92</b>            | <b>18</b> | <b>1.14</b>            |
| Terengganu                   | Public       | 6                | -                      | 7         | -                      | 8         | -                      | 6                      | -                      | 5         | -                      | 4         | -                      |
| Terengganu                   | Private      | 0                | -                      | 0         | -                      | 0         | -                      | 0                      | -                      | 0         | -                      | 1         | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>6</b>         | <b>0.58</b>            | <b>7</b>  | <b>0.65</b>            | <b>8</b>  | <b>0.72</b>            | <b>6</b>               | <b>0.58</b>            | <b>5</b>  | <b>0.47</b>            | <b>5</b>  | <b>0.45</b>            |
| Kelantan                     | Public       | 18               | -                      | 18        | -                      | 19        | -                      | 15                     | -                      | 15        | -                      | 17        | -                      |
| Kelantan                     | Private      | 1                | -                      | 1         | -                      | 2         | -                      | 2                      | -                      | 2         | -                      | 2         | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>19</b>        | <b>1.23</b>            | <b>19</b> | <b>1.18</b>            | <b>21</b> | <b>1.26</b>            | <b>17</b>              | <b>1.10</b>            | <b>17</b> | <b>1.05</b>            | <b>19</b> | <b>1.14</b>            |
| Sarawak                      | Public       | 12               | -                      | 11        | -                      | 14        | -                      | 4                      | -                      | 6         | -                      | 6         | -                      |
| Sarawak                      | Private      | 4                | -                      | 7         | -                      | 9         | -                      | 6                      | -                      | 5         | -                      | 5         | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>16</b>        | <b>0.65</b>            | <b>18</b> | <b>0.72</b>            | <b>23</b> | <b>0.89</b>            | <b>10</b>              | <b>0.40</b>            | <b>11</b> | <b>0.44</b>            | <b>11</b> | <b>0.43</b>            |
| Sabah                        | Public       | 12               | -                      | 11        | -                      | 12        | -                      | 8                      | -                      | 7         | -                      | 9         | -                      |
| Sabah                        | Private      | 6                | -                      | 6         | -                      | 6         | -                      | 2                      | -                      | 2         | -                      | 2         | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>18</b>        | <b>0.56</b>            | <b>17</b> | <b>0.51</b>            | <b>18</b> | <b>0.53</b>            | <b>10</b>              | <b>0.31</b>            | <b>9</b>  | <b>0.27</b>            | <b>11</b> | <b>0.32</b>            |
| WP Labuan                    | Public       | 0                | -                      | 0         | -                      | 0         | -                      | 0                      | -                      | 0         | -                      | 0         | -                      |
| WP Labuan                    | Private      | na               | -                      | na        | -                      | na        | -                      | na                     | -                      | na        | -                      | na        | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>         | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>               | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Sabah & WP Labuan            | Public       | 12               | -                      | 11        | -                      | 12        | -                      | 8                      | -                      | 7         | -                      | 9         | -                      |
| Sabah & WP Labuan            | Private      | 6                | -                      | 6         | -                      | 6         | -                      | 2                      | -                      | 2         | -                      | 2         | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>18</b>        | <b>0.55</b>            | <b>17</b> | <b>0.50</b>            | <b>18</b> | <b>0.51</b>            | <b>10</b>              | <b>0.30</b>            | <b>9</b>  | <b>0.26</b>            | <b>11</b> | <b>0.31</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1



**Table 4.1.15 : Number & Density of Orthopaedic Surgeons, Sports Medicine Specialists and Rehabilitation Medicine Specialists in Acute Curative Hospitals in Malaysia by State & Sector, 2010, 2011 & 2013**

| State   | Sector *     | Orthopaedic Surgeons |                        |            |                        |            |                        | Sports Medicine Specialists |                        |           |                        |           |                        | Rehabilitation Medicine Specialists |                        |           |                        |           |                        |
|---|--------------|----------------------|------------------------|------------|------------------------|------------|------------------------|-----------------------------|------------------------|-----------|------------------------|-----------|------------------------|-------------------------------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010                 |                        | 2011       |                        | 2013       |                        | 2010                        |                        | 2011      |                        | 2013      |                        | 2010                                |                        | 2011      |                        | 2013      |                        |
|   |              | Number               | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number                      | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number                              | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 268                  | -                      | 279        | -                      | 288        | -                      | 9                           | -                      | 10        | -                      | 18        | -                      | 30                                  | -                      | 34        | -                      | 44        | -                      |
| Malaysia                                      | Private      | 269                  | -                      | 283        | -                      | 319        | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 4                                   | -                      | 3         | -                      | 4         | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>537</b>           | <b>1.90</b>            | <b>562</b> | <b>1.94</b>            | <b>607</b> | <b>2.04</b>            | <b>9</b>                    | <b>0.03</b>            | <b>10</b> | <b>0.03</b>            | <b>18</b> | <b>0.06</b>            | <b>34</b>                           | <b>0.12</b>            | <b>37</b> | <b>0.13</b>            | <b>48</b> | <b>0.16</b>            |
| Perlis  | Public       | 4                    | -                      | 4          | -                      | 4          | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 0                                   | -                      | 0         | -                      | 0         | -                      |
| Perlis  | Private      | na                   | -                      | na         | -                      | na         | -                      | na                          | -                      | na        | -                      | na        | -                      | na                                  | -                      | na        | -                      | na        | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>4</b>             | <b>1.73</b>            | <b>4</b>   | <b>1.68</b>            | <b>4</b>   | <b>1.66</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah   | Public       | 12                   | -                      | 15         | -                      | 15         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 0                                   | -                      | 0         | -                      | 1         | -                      |
| Kedah   | Private      | 14                   | -                      | 14         | -                      | 14         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 0                                   | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>26</b>            | <b>1.33</b>            | <b>29</b>  | <b>1.47</b>            | <b>29</b>  | <b>1.43</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>0.05</b>            |
| Kedah & Perlis                                | Public       | 16                   | -                      | 19         | -                      | 19         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 0                                   | -                      | 0         | -                      | 1         | -                      |
| Kedah & Perlis                                | Private      | 14                   | -                      | 14         | -                      | 14         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 0                                   | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>30</b>            | <b>1.38</b>            | <b>33</b>  | <b>1.49</b>            | <b>33</b>  | <b>1.46</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>0.04</b>            |
| Pulau Pinang                                  | Public       | 11                   | -                      | 10         | -                      | 13         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 1                                   | -                      | 1         | -                      | 1         | -                      |
| Pulau Pinang                                  | Private      | 33                   | -                      | 33         | -                      | 37         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 0                                   | -                      | 0         | -                      | 0         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>44</b>            | <b>2.82</b>            | <b>43</b>  | <b>2.70</b>            | <b>50</b>  | <b>3.07</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>                            | <b>0.06</b>            | <b>1</b>  | <b>0.06</b>            | <b>1</b>  | <b>0.06</b>            |
| Perak   | Public       | 18                   | -                      | 20         | -                      | 23         | -                      | 0                           | -                      | 1         | -                      | 1         | -                      | 1                                   | -                      | 2         | -                      | 1         | -                      |
| Perak   | Private      | 23                   | -                      | 24         | -                      | 26         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 0                                   | -                      | 0         | -                      | 0         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>41</b>            | <b>1.74</b>            | <b>44</b>  | <b>1.84</b>            | <b>49</b>  | <b>2.01</b>            | <b>0</b>                    | <b>0.00</b>            | <b>1</b>  | <b>0.04</b>            | <b>1</b>  | <b>0.04</b>            | <b>1</b>                            | <b>0.04</b>            | <b>2</b>  | <b>0.08</b>            | <b>1</b>  | <b>0.04</b>            |
| Selangor                                      | Public       | 41                   | -                      | 42         | -                      | 38         | -                      | 3                           | -                      | 3         | -                      | 5         | -                      | 8                                   | -                      | 9         | -                      | 9         | -                      |
| Selangor                                      | Private      | 62                   | -                      | 67         | -                      | 81         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 1                                   | -                      | 1         | -                      | 2         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>103</b>           | <b>1.89</b>            | <b>109</b> | <b>1.95</b>            | <b>119</b> | <b>2.08</b>            | <b>3</b>                    | <b>0.05</b>            | <b>3</b>  | <b>0.05</b>            | <b>5</b>  | <b>0.09</b>            | <b>9</b>                            | <b>0.16</b>            | <b>10</b> | <b>0.18</b>            | <b>11</b> | <b>0.19</b>            |
| WP Putrajaya                                  | Public       | 5                    | -                      | 7          | -                      | 6          | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 0                                   | -                      | 0         | -                      | 0         | -                      |
| WP Putrajaya                                  | Private      | na                   | -                      | na         | -                      | na         | -                      | na                          | -                      | na        | -                      | na        | -                      | na                                  | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>5</b>             | <b>6.90</b>            | <b>7</b>   | <b>9.16</b>            | <b>6</b>   | <b>7.27</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| WPKL  | Public       | 60                   | -                      | 63         | -                      | 61         | -                      | 4                           | -                      | 4         | -                      | 8         | -                      | 12                                  | -                      | 12        | -                      | 14        | -                      |
| WPKL  | Private      | 58                   | -                      | 57         | -                      | 66         | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 3                                   | -                      | 2         | -                      | 2         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>118</b>           | <b>7.05</b>            | <b>120</b> | <b>7.08</b>            | <b>127</b> | <b>7.33</b>            | <b>4</b>                    | <b>0.24</b>            | <b>4</b>  | <b>0.24</b>            | <b>8</b>  | <b>0.46</b>            | <b>15</b>                           | <b>0.90</b>            | <b>14</b> | <b>0.83</b>            | <b>16</b> | <b>0.92</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 106                  | -                      | 112        | -                      | 105        | -                      | 7                           | -                      | 7         | -                      | 0         | -                      | 20                                  | -                      | 21        | -                      | 23        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 120                  | -                      | 124        | -                      | 147        | -                      | 0                           | -                      | 0         | -                      | 0         | -                      | 4                                   | -                      | 3         | -                      | 4         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>226</b>           | <b>3.13</b>            | <b>236</b> | <b>3.21</b>            | <b>252</b> | <b>3.34</b>            | <b>7</b>                    | <b>0.10</b>            | <b>7</b>  | <b>0.10</b>            | <b>0</b>  | <b>0.00</b>            | <b>24</b>                           | <b>0.33</b>            | <b>24</b> | <b>0.33</b>            | <b>27</b> | <b>0.36</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 & 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals. For population data, please refer Appendix 3: Table A3.1

**Table 4.1.15 [continued]: Number & Density of Orthopaedic Surgeons, Sports Medicine Specialists and Rehabilitation Medicine Specialists in Acute Curative Hospitals in Malaysia by State & Sector, 2010, 2011 & 2013**

| State                        | Sector *     | Orthopaedic Surgeons |                        |           |                        |           |                        | Sports Medicine Specialists |                        |          |                        |          |                        | Rehabilitation Medicine Specialists |                        |          |                        |        |                        |
|------------------------------|--------------|----------------------|------------------------|-----------|------------------------|-----------|------------------------|-----------------------------|------------------------|----------|------------------------|----------|------------------------|-------------------------------------|------------------------|----------|------------------------|--------|------------------------|
|                              |              | 2010                 |                        | 2011      |                        | 2013      |                        | 2010                        |                        | 2011     |                        | 2013     |                        | 2010                                |                        | 2011     |                        | 2013   |                        |
|                              |              | Number               | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number                      | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population | Number                              | Per 100,000 population | Number   | Per 100,000 population | Number | Per 100,000 population |
| Negeri Sembilan              | Public       | 8                    | -                      | 8         | -                      | 13        | -                      | 1                           | -                      | 1        | -                      | 4        | -                      | 5                                   | -                      | 5        | -                      |        |                        |
| Negeri Sembilan              | Private      | 15                   | -                      | 14        | -                      | 14        | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>23</b>            | <b>2.25</b>            | <b>22</b> | <b>2.11</b>            | <b>27</b> | <b>2.52</b>            | <b>1</b>                    | <b>0.10</b>            | <b>1</b> | <b>0.10</b>            | <b>4</b> | <b>0.39</b>            | <b>5</b>                            | <b>0.48</b>            | <b>5</b> | <b>0.47</b>            |        |                        |
| Melaka                       | Public       | 6                    | -                      | 6         | -                      | 8         | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| Melaka                       | Private      | 14                   | -                      | 16        | -                      | 18        | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Melaka</b>                | <b>Total</b> | <b>20</b>            | <b>2.44</b>            | <b>22</b> | <b>2.64</b>            | <b>26</b> | <b>3.05</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>0</b> | <b>0.23</b>            |        |                        |
| Johor                        | Public       | 19                   | -                      | 23        | -                      | 22        | -                      | 0                           | -                      | 0        | -                      | 2        | -                      | 3                                   | -                      | 3        | -                      |        |                        |
| Johor                        | Private      | 25                   | -                      | 25        | -                      | 30        | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Johor</b>                 | <b>Total</b> | <b>44</b>            | <b>1.31</b>            | <b>48</b> | <b>1.41</b>            | <b>52</b> | <b>1.50</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>2</b> | <b>0.06</b>            | <b>3</b>                            | <b>0.09</b>            | <b>3</b> | <b>0.09</b>            |        |                        |
| Pahang                       | Public       | 19                   | -                      | 14        | -                      | 13        | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| Pahang                       | Private      | 4                    | -                      | 9         | -                      | 10        | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Pahang</b>                | <b>Total</b> | <b>23</b>            | <b>1.53</b>            | <b>23</b> | <b>1.51</b>            | <b>23</b> | <b>1.46</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>0</b> | <b>0.13</b>            |        |                        |
| Terengganu                   | Public       | 9                    | -                      | 9         | -                      | 9         | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| Terengganu                   | Private      | 1                    | -                      | 1         | -                      | 1         | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Terengganu</b>            | <b>Total</b> | <b>10</b>            | <b>0.97</b>            | <b>10</b> | <b>0.93</b>            | <b>10</b> | <b>0.90</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>0</b> | <b>0.09</b>            |        |                        |
| Kelantan                     | Public       | 31                   | -                      | 30        | -                      | 29        | -                      | 0                           | -                      | 0        | -                      | 1        | -                      | 1                                   | -                      | 2        | -                      |        |                        |
| Kelantan                     | Private      | 4                    | -                      | 4         | -                      | 4         | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Kelantan</b>              | <b>Total</b> | <b>35</b>            | <b>2.27</b>            | <b>34</b> | <b>2.11</b>            | <b>33</b> | <b>1.98</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.06</b>            | <b>1</b>                            | <b>0.06</b>            | <b>2</b> | <b>0.12</b>            |        |                        |
| Sarawak                      | Public       | 16                   | -                      | 15        | -                      | 17        | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| Sarawak                      | Private      | 10                   | -                      | 12        | -                      | 11        | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Sarawak</b>               | <b>Total</b> | <b>26</b>            | <b>1.05</b>            | <b>27</b> | <b>1.07</b>            | <b>28</b> | <b>1.09</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>1</b> | <b>0.04</b>            |        |                        |
| Sabah                        | Public       | 9                    | -                      | 13        | -                      | 16        | -                      | 1                           | -                      | 1        | -                      | 1        | -                      | 1                                   | -                      | 2        | -                      |        |                        |
| Sabah                        | Private      | 6                    | -                      | 7         | -                      | 7         | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Sabah</b>                 | <b>Total</b> | <b>15</b>            | <b>0.47</b>            | <b>20</b> | <b>0.60</b>            | <b>23</b> | <b>0.67</b>            | <b>1</b>                    | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>1</b>                            | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            |        |                        |
| WP Labuan                    | Public       | 0                    | -                      | 0         | -                      | 1         | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| WP Labuan                    | Private      | na                   | -                      | na        | -                      | na        | -                      | na                          | -                      | na       | -                      | na       | -                      | na                                  | -                      | na       | -                      |        |                        |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>             | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>1.07</b>            | <b>0</b>                    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b>                            | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |        |                        |
| Sabah & WP Labuan            | Public       | 9                    | -                      | 13        | -                      | 17        | -                      | 1                           | -                      | 1        | -                      | 1        | -                      | 1                                   | -                      | 2        | -                      |        |                        |
| Sabah & WP Labuan            | Private      | 6                    | -                      | 7         | -                      | 7         | -                      | 0                           | -                      | 0        | -                      | 0        | -                      | 0                                   | -                      | 0        | -                      |        |                        |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>15</b>            | <b>0.46</b>            | <b>20</b> | <b>0.59</b>            | <b>24</b> | <b>0.68</b>            | <b>1</b>                    | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>1</b>                            | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            |        |                        |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 & 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.16 : Number &amp; Density of Psychiatrists and Oncologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Psychiatrists † |                        |            |                        |            |                        | Oncologists |                        |           |                        |           |                        |
|---|--------------|-----------------|------------------------|------------|------------------------|------------|------------------------|-------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010            |                        | 2011       |                        | 2013       |                        | 2010        |                        | 2011      |                        | 2013      |                        |
|   |              | Number          | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number      | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 157             | -                      | 162        | -                      | 184        | -                      | 33          | -                      | 30        | -                      | 37        | -                      |
| Malaysia                                      | Private      | 49              | -                      | 48         | -                      | 58         | -                      | 34          | -                      | 38        | -                      | 48        | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>206</b>      | <b>0.73</b>            | <b>210</b> | <b>0.73</b>            | <b>242</b> | <b>0.81</b>            | <b>67</b>   | <b>0.24</b>            | <b>68</b> | <b>0.23</b>            | <b>85</b> | <b>0.29</b>            |
| Perlis  | Public       | 2               | -                      | 2          | -                      | 2          | -                      | 0           | -                      | 0         | -                      | 0         | -                      |
| Perlis  | Private      | na              | -                      | na         | -                      | na         | -                      | na          | -                      | na        | -                      | na        | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>2</b>        | <b>0.86</b>            | <b>2</b>   | <b>0.84</b>            | <b>2</b>   | <b>0.83</b>            | <b>0</b>    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah   | Public       | 7               | -                      | 6          | -                      | 9          | -                      | 0           | -                      | 0         | -                      | 0         | -                      |
| Kedah   | Private      | 2               | -                      | 2          | -                      | 3          | -                      | 0           | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>9</b>        | <b>0.46</b>            | <b>8</b>   | <b>0.41</b>            | <b>12</b>  | <b>0.59</b>            | <b>0</b>    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah & Perlis                                | Public       | 9               | -                      | 8          | -                      | 11         | -                      | 0           | -                      | 0         | -                      | 0         | -                      |
| Kedah & Perlis                                | Private      | 2               | -                      | 2          | -                      | 3          | -                      | 0           | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>11</b>       | <b>0.50</b>            | <b>10</b>  | <b>0.45</b>            | <b>14</b>  | <b>0.62</b>            | <b>0</b>    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Pulau Pinang                                  | Public       | 10              | -                      | 7          | -                      | 8          | -                      | 2           | -                      | 2         | -                      | 2         | -                      |
| Pulau Pinang                                  | Private      | 6               | -                      | 6          | -                      | 7          | -                      | 10          | -                      | 11        | -                      | 11        | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>16</b>       | <b>1.02</b>            | <b>13</b>  | <b>0.82</b>            | <b>15</b>  | <b>0.92</b>            | <b>12</b>   | <b>0.77</b>            | <b>13</b> | <b>0.82</b>            | <b>13</b> | <b>0.80</b>            |
| Perak   | Public       | 9               | -                      | 10         | -                      | 12         | -                      | 0           | -                      | 0         | -                      | 0         | -                      |
| Perak   | Private      | 3               | -                      | 3          | -                      | 4          | -                      | 2           | -                      | 2         | -                      | 4         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>12</b>       | <b>0.51</b>            | <b>13</b>  | <b>0.54</b>            | <b>16</b>  | <b>0.66</b>            | <b>2</b>    | <b>0.09</b>            | <b>2</b>  | <b>0.08</b>            | <b>4</b>  | <b>0.16</b>            |
| Selangor                                      | Public       | 25              | -                      | 24         | -                      | 26         | -                      | 0           | -                      | 0         | -                      | 0         | -                      |
| Selangor                                      | Private      | 12              | -                      | 15         | -                      | 20         | -                      | 9           | -                      | 10        | -                      | 11        | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>37</b>       | <b>0.68</b>            | <b>39</b>  | <b>0.70</b>            | <b>46</b>  | <b>0.80</b>            | <b>9</b>    | <b>0.16</b>            | <b>10</b> | <b>0.18</b>            | <b>11</b> | <b>0.19</b>            |
| WP Putrajaya                                  | Public       | 2               | -                      | 3          | -                      | 3          | -                      | 0           | -                      | 0         | -                      | 4         | -                      |
| WP Putrajaya                                  | Private      | na              | -                      | na         | -                      | na         | -                      | na          | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>2</b>        | <b>2.76</b>            | <b>3</b>   | <b>3.93</b>            | <b>3</b>   | <b>3.64</b>            | <b>0</b>    | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>4</b>  | <b>4.85</b>            |
| WPKL  | Public       | 43              | -                      | 47         | -                      | 54         | -                      | 21          | -                      | 19        | -                      | 19        | -                      |
| WPKL  | Private      | 18              | -                      | 12         | -                      | 14         | -                      | 5           | -                      | 5         | -                      | 8         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>61</b>       | <b>3.64</b>            | <b>59</b>  | <b>3.48</b>            | <b>68</b>  | <b>3.93</b>            | <b>26</b>   | <b>1.55</b>            | <b>24</b> | <b>1.42</b>            | <b>27</b> | <b>1.56</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 70              | -                      | 74         | -                      | 83         | -                      | 21          | -                      | 19        | -                      | 23        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 30              | -                      | 27         | -                      | 34         | -                      | 14          | -                      | 15        | -                      | 19        | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>100</b>      | <b>1.39</b>            | <b>101</b> | <b>1.37</b>            | <b>117</b> | <b>1.55</b>            | <b>35</b>   | <b>0.49</b>            | <b>34</b> | <b>0.46</b>            | <b>42</b> | <b>0.56</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

‡ Data on the total number of hospital psychiatrists in the country (i.e. in both acute curative hospitals and psychiatric institutions) is available in the NHSI database. The table above shows psychiatrists in the acute curative hospitals only.

Table 4.1.16 [continued]: Number &amp; Density of Psychiatrists and Oncologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State             | Sector *     | Psychiatrists ‡ |                        |           |                        |           |                        | Oncologists |                        |          |                        |          |                        |
|-------------------|--------------|-----------------|------------------------|-----------|------------------------|-----------|------------------------|-------------|------------------------|----------|------------------------|----------|------------------------|
|                   |              | 2010            |                        | 2011      |                        | 2013      |                        | 2010        |                        | 2011     |                        | 2013     |                        |
|                   |              | Number          | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number      | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan   | Public       | 6               | -                      | 6         | -                      | 6         | -                      | 1           | -                      | 0        | -                      | 0        | -                      |
|                   | Private      | 2               | -                      | 2         | -                      | 2         | -                      | 2           | -                      | 3        | -                      | 5        | -                      |
| Negeri Sembilan   | <b>Total</b> | <b>8</b>        | <b>0.78</b>            | <b>8</b>  | <b>0.77</b>            | <b>8</b>  | <b>0.75</b>            | <b>3</b>    | <b>0.29</b>            | <b>3</b> | <b>0.29</b>            | <b>5</b> | <b>0.47</b>            |
|                   | Public       | 4               | -                      | 3         | -                      | 7         | -                      | 0           | -                      | 0        | -                      | 0        | -                      |
| Melaka            | Private      | 3               | -                      | 3         | -                      | 3         | -                      | 3           | -                      | 5        | -                      | 5        | -                      |
|                   | <b>Total</b> | <b>7</b>        | <b>0.85</b>            | <b>6</b>  | <b>0.72</b>            | <b>10</b> | <b>1.17</b>            | <b>3</b>    | <b>0.37</b>            | <b>5</b> | <b>0.60</b>            | <b>5</b> | <b>0.59</b>            |
| Johor             | Public       | 11              | -                      | 11        | -                      | 15        | -                      | 2           | -                      | 2        | -                      | 2        | -                      |
|                   | Private      | 0               | -                      | 2         | -                      | 2         | -                      | 2           | -                      | 1        | -                      | 3        | -                      |
| Johor             | <b>Total</b> | <b>11</b>       | <b>0.33</b>            | <b>13</b> | <b>0.38</b>            | <b>17</b> | <b>0.49</b>            | <b>4</b>    | <b>0.12</b>            | <b>3</b> | <b>0.09</b>            | <b>5</b> | <b>0.14</b>            |
|                   | Public       | 11              | -                      | 11        | -                      | 9         | -                      | 1           | -                      | 1        | -                      | 1        | -                      |
| Pahang            | Private      | 0               | -                      | 0         | -                      | 0         | -                      | 0           | -                      | 0        | -                      | 0        | -                      |
|                   | <b>Total</b> | <b>11</b>       | <b>0.73</b>            | <b>11</b> | <b>0.72</b>            | <b>9</b>  | <b>0.57</b>            | <b>1</b>    | <b>0.07</b>            | <b>1</b> | <b>0.07</b>            | <b>1</b> | <b>0.06</b>            |
| Terengganu        | Public       | 4               | -                      | 6         | -                      | 7         | -                      | 0           | -                      | 0        | -                      | 0        | -                      |
|                   | Private      | 0               | -                      | 0         | -                      | 0         | -                      | 0           | -                      | 0        | -                      | 0        | -                      |
| Terengganu        | <b>Total</b> | <b>4</b>        | <b>0.39</b>            | <b>6</b>  | <b>0.56</b>            | <b>7</b>  | <b>0.63</b>            | <b>0</b>    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
|                   | Public       | 16              | -                      | 17        | -                      | 15        | -                      | 2           | -                      | 0        | -                      | 2        | -                      |
| Kelantan          | Private      | 0               | -                      | 0         | -                      | 0         | -                      | 0           | -                      | 2        | -                      | 0        | -                      |
|                   | <b>Total</b> | <b>16</b>       | <b>1.04</b>            | <b>17</b> | <b>1.05</b>            | <b>15</b> | <b>0.90</b>            | <b>2</b>    | <b>0.13</b>            | <b>2</b> | <b>0.12</b>            | <b>2</b> | <b>0.12</b>            |
| Sarawak           | Public       | 4               | -                      | 6         | -                      | 5         | -                      | 3           | -                      | 3        | -                      | 5        | -                      |
|                   | Private      | 2               | -                      | 2         | -                      | 2         | -                      | 0           | -                      | 0        | -                      | 0        | -                      |
| Sarawak           | <b>Total</b> | <b>6</b>        | <b>0.24</b>            | <b>8</b>  | <b>0.32</b>            | <b>7</b>  | <b>0.27</b>            | <b>3</b>    | <b>0.12</b>            | <b>3</b> | <b>0.12</b>            | <b>5</b> | <b>0.19</b>            |
|                   | Public       | 3               | -                      | 3         | -                      | 6         | -                      | 1           | -                      | 1        | -                      | 2        | -                      |
| Sabah             | Private      | 1               | -                      | 1         | -                      | 1         | -                      | 1           | -                      | 1        | -                      | 1        | -                      |
|                   | <b>Total</b> | <b>4</b>        | <b>0.12</b>            | <b>4</b>  | <b>0.12</b>            | <b>7</b>  | <b>0.20</b>            | <b>2</b>    | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            | <b>3</b> | <b>0.09</b>            |
| WP Labuan         | Public       | 0               | -                      | 0         | -                      | 0         | -                      | 0           | -                      | 0        | -                      | 0        | -                      |
|                   | Private      | na              | -                      | na        | -                      | na        | -                      | na          | -                      | na       | -                      | na       | -                      |
| WP Labuan         | <b>Total</b> | <b>0</b>        | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>    | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
|                   | Public       | 3               | -                      | 3         | -                      | 6         | -                      | 1           | -                      | 1        | -                      | 2        | -                      |
| Sabah & WP Labuan | Private      | 1               | -                      | 1         | -                      | 1         | -                      | 1           | -                      | 1        | -                      | 1        | -                      |
|                   | <b>Total</b> | <b>4</b>        | <b>0.12</b>            | <b>4</b>  | <b>0.12</b>            | <b>7</b>  | <b>0.20</b>            | <b>2</b>    | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            | <b>3</b> | <b>0.09</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

‡ Data on the total number of hospital psychiatrists in the country (i.e. in both acute curative hospitals and psychiatric institutions) is available in the NHSI database. The table above shows psychiatrists in the acute curative hospitals only.

Table 4.1.17 : Number &amp; Density of Radiologists and Nuclear Medicine Specialists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Radiologists |                        |            |                        |            |                        | Nuclear Medicine Specialists |                        |           |                        |           |                        |
|---|--------------|--------------|------------------------|------------|------------------------|------------|------------------------|------------------------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010         |                        | 2011       |                        | 2013       |                        | 2010                         |                        | 2011      |                        | 2013      |                        |
|   |              | Number       | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number                       | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 234          | -                      | 247        | -                      | 278        | -                      | 6                            | -                      | 8         | -                      | 15        | -                      |
| Malaysia                                      | Private      | 158          | -                      | 166        | -                      | 185        | -                      | 9                            | -                      | 7         | -                      | 7         | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>392</b>   | <b>1.38</b>            | <b>413</b> | <b>1.43</b>            | <b>463</b> | <b>1.56</b>            | <b>15</b>                    | <b>0.05</b>            | <b>15</b> | <b>0.05</b>            | <b>22</b> | <b>0.07</b>            |
| Perlis  | Public       | 2            | -                      | 2          | -                      | 3          | -                      | 0                            | -                      | 0         | -                      | 0         | -                      |
| Perlis  | Private      | na           | -                      | na         | -                      | na         | -                      | na                           | -                      | na        | -                      | na        | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>2</b>     | <b>0.86</b>            | <b>2</b>   | <b>0.84</b>            | <b>3</b>   | <b>1.24</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah   | Public       | 11           | -                      | 11         | -                      | 15         | -                      | 0                            | -                      | 0         | -                      | 0         | -                      |
| Kedah   | Private      | 7            | -                      | 7          | -                      | 7          | -                      | 0                            | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>18</b>    | <b>0.92</b>            | <b>18</b>  | <b>0.91</b>            | <b>22</b>  | <b>1.09</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah & Perlis                                | Public       | 13           | -                      | 13         | -                      | 18         | -                      | 0                            | -                      | 0         | -                      | 0         | -                      |
| Kedah & Perlis                                | Private      | 7            | -                      | 7          | -                      | 7          | -                      | 0                            | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>20</b>    | <b>0.92</b>            | <b>20</b>  | <b>0.90</b>            | <b>25</b>  | <b>1.10</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Pulau Pinang                                  | Public       | 12           | -                      | 13         | -                      | 13         | -                      | 1                            | -                      | 2         | -                      | 2         | -                      |
| Pulau Pinang                                  | Private      | 22           | -                      | 23         | -                      | 26         | -                      | 2                            | -                      | 1         | -                      | 1         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>34</b>    | <b>2.18</b>            | <b>36</b>  | <b>2.26</b>            | <b>39</b>  | <b>2.39</b>            | <b>3</b>                     | <b>0.19</b>            | <b>3</b>  | <b>0.19</b>            | <b>3</b>  | <b>0.18</b>            |
| Perak   | Public       | 14           | -                      | 13         | -                      | 15         | -                      | 0                            | -                      | 0         | -                      | 0         | -                      |
| Perak   | Private      | 12           | -                      | 14         | -                      | 14         | -                      | 0                            | -                      | 0         | -                      | 0         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>26</b>    | <b>1.11</b>            | <b>27</b>  | <b>1.13</b>            | <b>29</b>  | <b>1.19</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Selangor                                      | Public       | 44           | -                      | 43         | -                      | 50         | -                      | 0                            | -                      | 4         | -                      | 0         | -                      |
| Selangor                                      | Private      | 37           | -                      | 41         | -                      | 42         | -                      | 4                            | -                      | 0         | -                      | 4         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>81</b>    | <b>1.48</b>            | <b>84</b>  | <b>1.51</b>            | <b>92</b>  | <b>1.61</b>            | <b>4</b>                     | <b>0.07</b>            | <b>4</b>  | <b>0.07</b>            | <b>4</b>  | <b>0.07</b>            |
| WP Putrajaya                                  | Public       | 5            | -                      | 4          | -                      | 6          | -                      | 0                            | -                      | 0         | -                      | 2         | -                      |
| WP Putrajaya                                  | Private      | na           | -                      | na         | -                      | na         | -                      | na                           | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>5</b>     | <b>6.90</b>            | <b>4</b>   | <b>5.24</b>            | <b>6</b>   | <b>7.27</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>2</b>  | <b>2.42</b>            |
| WPKL  | Public       | 53           | -                      | 65         | -                      | 69         | -                      | 2                            | -                      | 3         | -                      | 6         | -                      |
| WPKL  | Private      | 39           | -                      | 32         | -                      | 39         | -                      | 3                            | -                      | 1         | -                      | 1         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>92</b>    | <b>5.49</b>            | <b>97</b>  | <b>5.72</b>            | <b>108</b> | <b>6.24</b>            | <b>5</b>                     | <b>0.30</b>            | <b>4</b>  | <b>0.24</b>            | <b>7</b>  | <b>0.40</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 102          | -                      | 112        | -                      | 125        | -                      | 2                            | -                      | 7         | -                      | 8         | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 76           | -                      | 73         | -                      | 81         | -                      | 7                            | -                      | 1         | -                      | 5         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>178</b>   | <b>2.47</b>            | <b>185</b> | <b>2.52</b>            | <b>206</b> | <b>2.73</b>            | <b>9</b>                     | <b>0.12</b>            | <b>8</b>  | <b>0.11</b>            | <b>13</b> | <b>0.17</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.17 [continued]: Number &amp; Density of Radiologists and Nuclear Medicine Specialists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Radiologists |                        |           |                        |           |                        | Nuclear Medicine Specialists |                        |          |                        |          |                        |
|------------------------------|--------------|--------------|------------------------|-----------|------------------------|-----------|------------------------|------------------------------|------------------------|----------|------------------------|----------|------------------------|
|                              |              | 2010         |                        | 2011      |                        | 2013      |                        | 2010                         |                        | 2011     |                        | 2013     |                        |
|                              |              | Number       | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number                       | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan              | Public       | 9            | -                      | 7         | -                      | 13        | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| Negeri Sembilan              | Private      | 6            | -                      | 8         | -                      | 9         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>15</b>    | <b>1.47</b>            | <b>15</b> | <b>1.44</b>            | <b>22</b> | <b>2.06</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Melaka                       | Public       | 7            | -                      | 5         | -                      | 11        | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| Melaka                       | Private      | 7            | -                      | 9         | -                      | 9         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>14</b>    | <b>1.71</b>            | <b>14</b> | <b>1.68</b>            | <b>20</b> | <b>2.35</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Johor                        | Public       | 18           | -                      | 19        | -                      | 16        | -                      | 1                            | -                      | 1        | -                      | 1        | -                      |
| Johor                        | Private      | 13           | -                      | 15        | -                      | 19        | -                      | 0                            | -                      | 1        | -                      | 1        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>31</b>    | <b>0.93</b>            | <b>34</b> | <b>1.00</b>            | <b>35</b> | <b>1.01</b>            | <b>1</b>                     | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            |
| Pahang                       | Public       | 14           | -                      | 13        | -                      | 15        | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| Pahang                       | Private      | 3            | -                      | 3         | -                      | 5         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>17</b>    | <b>1.13</b>            | <b>16</b> | <b>1.05</b>            | <b>20</b> | <b>1.27</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Terengganu                   | Public       | 6            | -                      | 8         | -                      | 8         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| Terengganu                   | Private      | 0            | -                      | 0         | -                      | 1         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>6</b>     | <b>0.58</b>            | <b>8</b>  | <b>0.74</b>            | <b>9</b>  | <b>0.81</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Kelantan                     | Public       | 17           | -                      | 18        | -                      | 20        | -                      | 1                            | -                      | 1        | -                      | 1        | -                      |
| Kelantan                     | Private      | 1            | -                      | 1         | -                      | 1         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>18</b>    | <b>1.17</b>            | <b>19</b> | <b>1.18</b>            | <b>21</b> | <b>1.26</b>            | <b>1</b>                     | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            |
| Sarawak                      | Public       | 13           | -                      | 14        | -                      | 12        | -                      | 1                            | -                      | 1        | -                      | 2        | -                      |
| Sarawak                      | Private      | 9            | -                      | 11        | -                      | 11        | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>22</b>    | <b>0.89</b>            | <b>25</b> | <b>0.99</b>            | <b>23</b> | <b>0.89</b>            | <b>1</b>                     | <b>0.04</b>            | <b>1</b> | <b>0.04</b>            | <b>2</b> | <b>0.08</b>            |
| Sabah                        | Public       | 9            | -                      | 12        | -                      | 11        | -                      | 0                            | -                      | 0        | -                      | 1        | -                      |
| Sabah                        | Private      | 2            | -                      | 2         | -                      | 2         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>11</b>    | <b>0.34</b>            | <b>14</b> | <b>0.42</b>            | <b>13</b> | <b>0.38</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.03</b>            |
| WP Labuan                    | Public       | 0            | -                      | 0         | -                      | 1         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| WP Labuan                    | Private      | na           | -                      | na        | -                      | na        | -                      | na                           | -                      | na       | -                      | na       | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>     | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>1.07</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Sabah & WP Labuan            | Public       | 9            | -                      | 12        | -                      | 12        | -                      | 0                            | -                      | 0        | -                      | 1        | -                      |
| Sabah & WP Labuan            | Private      | 2            | -                      | 2         | -                      | 2         | -                      | 0                            | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>11</b>    | <b>0.33</b>            | <b>14</b> | <b>0.41</b>            | <b>14</b> | <b>0.40</b>            | <b>0</b>                     | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.03</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

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

Table 4.1.18 : Number &amp; Density of Pathologists and Forensic Pathologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State   | Sector *     | Pathologists † |                        |            |                        |            |                        | Forensic Pathologists |                        |           |                        |           |                        |
|---|--------------|----------------|------------------------|------------|------------------------|------------|------------------------|-----------------------|------------------------|-----------|------------------------|-----------|------------------------|
|   |              | 2010           |                        | 2011       |                        | 2013       |                        | 2010                  |                        | 2011      |                        | 2013      |                        |
|   |              | Number         | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number                | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population |
| Malaysia                                      | Public       | 256            | -                      | 278        | -                      | 332        | -                      | 27                    | -                      | 26        | -                      | 33        | -                      |
| Malaysia                                      | Private      | 43             | -                      | 43         | -                      | 40         | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| <b>Malaysia</b>                               | <b>Total</b> | <b>299</b>     | <b>1.06</b>            | <b>321</b> | <b>1.11</b>            | <b>372</b> | <b>1.25</b>            | <b>27</b>             | <b>0.10</b>            | <b>26</b> | <b>0.09</b>            | <b>33</b> | <b>0.11</b>            |
| Perlis  | Public       | 3              | -                      | 3          | -                      | 3          | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| Perlis  | Private      | 0              | -                      | 0          | -                      | 0          | -                      | na                    | -                      | na        | -                      | na        | -                      |
| <b>Perlis</b>                                 | <b>Total</b> | <b>3</b>       | <b>1.30</b>            | <b>3</b>   | <b>1.26</b>            | <b>3</b>   | <b>1.24</b>            | <b>0</b>              | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| Kedah   | Public       | 8              | -                      | 9          | -                      | 15         | -                      | 1                     | -                      | 1         | -                      | 1         | -                      |
| Kedah   | Private      | 0              | -                      | 0          | -                      | 0          | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah</b>                                  | <b>Total</b> | <b>8</b>       | <b>0.41</b>            | <b>9</b>   | <b>0.46</b>            | <b>15</b>  | <b>0.74</b>            | <b>1</b>              | <b>0.05</b>            | <b>1</b>  | <b>0.05</b>            | <b>1</b>  | <b>0.05</b>            |
| Kedah & Perlis                                | Public       | 11             | -                      | 12         | -                      | 18         | -                      | 1                     | -                      | 0         | -                      | 1         | -                      |
| Kedah & Perlis                                | Private      | 0              | -                      | 0          | -                      | 0          | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| <b>Kedah &amp; Perlis</b>                     | <b>Total</b> | <b>11</b>      | <b>0.50</b>            | <b>12</b>  | <b>0.54</b>            | <b>18</b>  | <b>0.80</b>            | <b>1</b>              | <b>0.05</b>            | <b>0</b>  | <b>0.00</b>            | <b>1</b>  | <b>0.04</b>            |
| Pulau Pinang                                  | Public       | 10             | -                      | 9          | -                      | 14         | -                      | 1                     | -                      | 2         | -                      | 2         | -                      |
| Pulau Pinang                                  | Private      | 2              | -                      | 2          | -                      | 3          | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| <b>Pulau Pinang</b>                           | <b>Total</b> | <b>12</b>      | <b>0.77</b>            | <b>11</b>  | <b>0.69</b>            | <b>17</b>  | <b>1.04</b>            | <b>1</b>              | <b>0.06</b>            | <b>2</b>  | <b>0.13</b>            | <b>2</b>  | <b>0.12</b>            |
| Perak   | Public       | 13             | -                      | 13         | -                      | 16         | -                      | 1                     | -                      | 1         | -                      | 2         | -                      |
| Perak   | Private      | 1              | -                      | 2          | -                      | 2          | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| <b>Perak</b>                                  | <b>Total</b> | <b>14</b>      | <b>0.60</b>            | <b>15</b>  | <b>0.63</b>            | <b>18</b>  | <b>0.74</b>            | <b>1</b>              | <b>0.04</b>            | <b>1</b>  | <b>0.04</b>            | <b>2</b>  | <b>0.08</b>            |
| Selangor                                      | Public       | 43             | -                      | 36         | -                      | 46         | -                      | 5                     | -                      | 6         | -                      | 6         | -                      |
| Selangor                                      | Private      | 16             | -                      | 17         | -                      | 16         | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| <b>Selangor</b>                               | <b>Total</b> | <b>59</b>      | <b>1.08</b>            | <b>53</b>  | <b>0.95</b>            | <b>62</b>  | <b>1.08</b>            | <b>5</b>              | <b>0.09</b>            | <b>6</b>  | <b>0.11</b>            | <b>6</b>  | <b>0.10</b>            |
| WP Putrajaya                                  | Public       | 5              | -                      | 4          | -                      | 7          | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| WP Putrajaya                                  | Private      | na             | -                      | na         | -                      | na         | -                      | na                    | -                      | na        | -                      | na        | -                      |
| <b>WP Putrajaya</b>                           | <b>Total</b> | <b>5</b>       | <b>6.90</b>            | <b>4</b>   | <b>5.24</b>            | <b>7</b>   | <b>8.48</b>            | <b>0</b>              | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            |
| WPKL  | Public       | 68             | -                      | 92         | -                      | 86         | -                      | 9                     | -                      | 8         | -                      | 9         | -                      |
| WPKL  | Private      | 17             | -                      | 16         | -                      | 13         | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| <b>WPKL</b>                                   | <b>Total</b> | <b>85</b>      | <b>5.08</b>            | <b>108</b> | <b>6.37</b>            | <b>99</b>  | <b>5.72</b>            | <b>9</b>              | <b>0.54</b>            | <b>8</b>  | <b>0.47</b>            | <b>9</b>  | <b>0.52</b>            |
| Selangor & WP Putrajaya & WPKL                | Public       | 116            | -                      | 132        | -                      | 139        | -                      | 14                    | -                      | 14        | -                      | 15        | -                      |
| Selangor & WP Putrajaya & WPKL                | Private      | 33             | -                      | 33         | -                      | 29         | -                      | 0                     | -                      | 0         | -                      | 0         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WPKL</b> | <b>Total</b> | <b>149</b>     | <b>2.07</b>            | <b>165</b> | <b>2.25</b>            | <b>168</b> | <b>2.23</b>            | <b>14</b>             | <b>0.19</b>            | <b>14</b> | <b>0.19</b>            | <b>15</b> | <b>0.20</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

† Pathologists refer to specialists from the discipline of pathology AND its subspecialties (anatomical pathology, biochemistry, haematology, medical microbiology, and metabolic medicine)

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



Table 4.1.18 [continued]: Number &amp; Density of Pathologists and Forensic Pathologists in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2010, 2011 &amp; 2013

| State                        | Sector *     | Pathologists † |                        |           |                        |           |                        | Forensic Pathologists |                        |          |                        |          |                        |
|------------------------------|--------------|----------------|------------------------|-----------|------------------------|-----------|------------------------|-----------------------|------------------------|----------|------------------------|----------|------------------------|
|                              |              | 2010           |                        | 2011      |                        | 2013      |                        | 2010                  |                        | 2011     |                        | 2013     |                        |
|                              |              | Number         | Per 100,000 population | Number    | Per 100,000 population | Number    | Per 100,000 population | Number                | Per 100,000 population | Number   | Per 100,000 population | Number   | Per 100,000 population |
| Negeri Sembilan              | Public       | 11             | -                      | 10        | -                      | 14        | -                      | 1                     | -                      | 1        | -                      | 1        | -                      |
| Negeri Sembilan              | Private      | 0              | -                      | 0         | -                      | 0         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>11</b>      | <b>1.08</b>            | <b>10</b> | <b>0.96</b>            | <b>14</b> | <b>1.31</b>            | <b>1</b>              | <b>0.10</b>            | <b>1</b> | <b>0.10</b>            | <b>1</b> | <b>0.09</b>            |
| Melaka                       | Public       | 7              | -                      | 7         | -                      | 10        | -                      | 1                     | -                      | 1        | -                      | 1        | -                      |
| Melaka                       | Private      | 2              | -                      | 3         | -                      | 4         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>9</b>       | <b>1.10</b>            | <b>10</b> | <b>1.20</b>            | <b>14</b> | <b>1.64</b>            | <b>1</b>              | <b>0.12</b>            | <b>1</b> | <b>0.12</b>            | <b>1</b> | <b>0.12</b>            |
| Johor                        | Public       | 15             | -                      | 13        | -                      | 21        | -                      | 2                     | -                      | 2        | -                      | 3        | -                      |
| Johor                        | Private      | 0              | -                      | 0         | -                      | 0         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>15</b>      | <b>0.45</b>            | <b>13</b> | <b>0.38</b>            | <b>21</b> | <b>0.60</b>            | <b>2</b>              | <b>0.06</b>            | <b>2</b> | <b>0.06</b>            | <b>3</b> | <b>0.09</b>            |
| Pahang                       | Public       | 11             | -                      | 11        | -                      | 16        | -                      | 3                     | -                      | 2        | -                      | 2        | -                      |
| Pahang                       | Private      | 0              | -                      | 0         | -                      | 0         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>11</b>      | <b>0.73</b>            | <b>11</b> | <b>0.72</b>            | <b>16</b> | <b>1.02</b>            | <b>3</b>              | <b>0.20</b>            | <b>2</b> | <b>0.13</b>            | <b>2</b> | <b>0.13</b>            |
| Terengganu                   | Public       | 11             | -                      | 9         | -                      | 12        | -                      | 0                     | -                      | 0        | -                      | 1        | -                      |
| Terengganu                   | Private      | 0              | -                      | 0         | -                      | 0         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>11</b>      | <b>1.06</b>            | <b>9</b>  | <b>0.84</b>            | <b>12</b> | <b>1.08</b>            | <b>0</b>              | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>1</b> | <b>0.09</b>            |
| Kelantan                     | Public       | 38             | -                      | 47        | -                      | 49        | -                      | 1                     | -                      | 1        | -                      | 1        | -                      |
| Kelantan                     | Private      | 0              | -                      | 0         | -                      | 0         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>38</b>      | <b>2.47</b>            | <b>47</b> | <b>2.91</b>            | <b>49</b> | <b>2.94</b>            | <b>1</b>              | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            | <b>1</b> | <b>0.06</b>            |
| Sarawak                      | Public       | 3              | -                      | 5         | -                      | 9         | -                      | 1                     | -                      | 0        | -                      | 2        | -                      |
| Sarawak                      | Private      | 4              | -                      | 3         | -                      | 2         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>7</b>       | <b>0.28</b>            | <b>8</b>  | <b>0.32</b>            | <b>11</b> | <b>0.43</b>            | <b>1</b>              | <b>0.04</b>            | <b>0</b> | <b>0.00</b>            | <b>2</b> | <b>0.08</b>            |
| Sabah                        | Public       | 10             | -                      | 10        | -                      | 14        | -                      | 1                     | -                      | 1        | -                      | 2        | -                      |
| Sabah                        | Private      | 1              | -                      | 0         | -                      | 0         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>11</b>      | <b>0.34</b>            | <b>10</b> | <b>0.30</b>            | <b>14</b> | <b>0.41</b>            | <b>1</b>              | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            |
| WP Labuan                    | Public       | 0              | -                      | 0         | -                      | 0         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| WP Labuan                    | Private      | na             | -                      | na        | -                      | na        | -                      | na                    | -                      | na       | -                      | na       | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>0</b>       | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>  | <b>0.00</b>            | <b>0</b>              | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            | <b>0</b> | <b>0.00</b>            |
| Sabah & WP Labuan            | Public       | 10             | -                      | 10        | -                      | 14        | -                      | 1                     | -                      | 1        | -                      | 2        | -                      |
| Sabah & WP Labuan            | Private      | 1              | -                      | 0         | -                      | 0         | -                      | 0                     | -                      | 0        | -                      | 0        | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>11</b>      | <b>0.33</b>            | <b>10</b> | <b>0.29</b>            | <b>14</b> | <b>0.40</b>            | <b>1</b>              | <b>0.03</b>            | <b>1</b> | <b>0.03</b>            | <b>2</b> | <b>0.06</b>            |

Abbreviation: - not available; na - not applicable

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

\* Public sector in 2010 &amp; 2011 refers to MOH and University hospitals, while public sector in 2013 refers to MOH, University, and MOD hospitals.

† Pathologists refer to specialists from the discipline of pathology AND its subspecialties (anatomical pathology, biochemistry, haematology, medical microbiology, and metabolic medicine) For population data, please refer Appendix 3: Table A3.1

Table 4.2 : Number &amp; Density of Total Staff Nurses and Staff Nurses with Post-basic Training in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2011-2013

| State  | Sector *     | Total Staff Nurses |                        |               |                        |               |                        | Total Staff Nurses with Post Basic Training |                        |               |                        |               |                        |
|--|--------------|--------------------|------------------------|---------------|------------------------|---------------|------------------------|---|------------------------|---------------|------------------------|---------------|------------------------|
|  |              | 2011               |                        | 2012          |                        | 2013          |                        | 2011  |                        | 2012          |                        | 2013          |                        |
|  |              | Number             | Per 100,000 population | Number        | Per 100,000 population | Number        | Per 100,000 population | Number                                      | Per 100,000 population | Number        | Per 100,000 population | Number        | Per 100,000 population |
| Malaysia   | Public       | 42,597             | -                      | 47,311        | -                      | 50,541        | -                      | 14,747                                      | -                      | 15,626        | -                      | 17,885        | -                      |
| Malaysia   | Private      | 12,851             | -                      | 16,314        | -                      | 17,582        | -                      | 2,755                                       | -                      | 2,877         | -                      | 3,342         | -                      |
| <b>Malaysia</b>  | <b>Total</b> | <b>55,448</b>      | <b>191.43</b>          | <b>63,625</b> | <b>216.88</b>          | <b>68,123</b> | <b>229.25</b>          | <b>17,502</b>                               | <b>60.42</b>           | <b>18,503</b> | <b>63.06</b>           | <b>21,227</b> | <b>71.43</b>           |
| Perlis   | Public       | 543                | -                      | 548           | -                      | 567           | -                      | 175   | -                      | 195           | -                      | 215           | -                      |
| Perlis   | Private      | na                 | na                     | na            | na                     | na            | na                     | na  | na                     | na            | na                     | na            | na                     |
| <b>Perlis</b>  | <b>Total</b> | <b>543</b>         | <b>228.63</b>          | <b>548</b>    | <b>228.91</b>          | <b>567</b>    | <b>234.88</b>          | <b>175</b>                                  | <b>73.68</b>           | <b>195</b>    | <b>81.45</b>           | <b>215</b>    | <b>89.06</b>           |
| Kedah  | Public       | 2,937              | -                      | 3,065         | -                      | 3,346         | -                      | 1,122                                       | -                      | 1,133         | -                      | 1,351         | -                      |
| Kedah  | Private      | 465                | -                      | 522           | -                      | 619           | -                      | 82  | -                      | 88            | -                      | 108           | -                      |
| <b>Kedah</b>   | <b>Total</b> | <b>3,402</b>       | <b>172.40</b>          | <b>3,587</b>  | <b>179.64</b>          | <b>3,965</b>  | <b>196.18</b>          | <b>1,204</b>                                | <b>61.00</b>           | <b>1,221</b>  | <b>61.15</b>           | <b>1,459</b>  | <b>72.19</b>           |
| Kedah & Perlis   | Public       | 3,480              | -                      | 3,613         | -                      | 3,913         | -                      | 1,297                                       | -                      | 1,328         | -                      | 1,566         | -                      |
| Kedah & Perlis   | Private      | 465                | -                      | 522           | -                      | 619           | -                      | 82  | -                      | 88            | -                      | 108           | -                      |
| <b>Kedah &amp; Perlis</b>                                | <b>Total</b> | <b>3,945</b>       | <b>178.44</b>          | <b>4,135</b>  | <b>184.91</b>          | <b>4,532</b>  | <b>200.31</b>          | <b>1,379</b>                                | <b>62.37</b>           | <b>1,416</b>  | <b>63.32</b>           | <b>1,674</b>  | <b>73.99</b>           |
| Pulau Pinang   | Public       | 2,060              | -                      | 3,036         | -                      | 2,566         | -                      | 714   | -                      | 826           | -                      | 880           | -                      |
| Pulau Pinang   | Private      | 1,509              | -                      | 2,395         | -                      | 2,454         | -                      | 400   | -                      | 493           | -                      | 533           | -                      |
| <b>Pulau Pinang</b>                                      | <b>Total</b> | <b>3,569</b>       | <b>223.96</b>          | <b>5,431</b>  | <b>337.10</b>          | <b>5,020</b>  | <b>308.27</b>          | <b>1,114</b>                                | <b>69.88</b>           | <b>1,319</b>  | <b>81.85</b>           | <b>1,413</b>  | <b>86.77</b>           |
| Perak  | Public       | 3,678              | -                      | 3,521         | -                      | 3,933         | -                      | 1,156                                       | -                      | 1,675         | -                      | 1,736         | -                      |
| Perak  | Private      | 765                | -                      | 972           | -                      | 1,052         | -                      | 171   | -                      | 190           | -                      | 217           | -                      |
| <b>Perak</b>   | <b>Total</b> | <b>4,443</b>       | <b>185.31</b>          | <b>4,493</b>  | <b>185.91</b>          | <b>4,985</b>  | <b>204.58</b>          | <b>1,327</b>                                | <b>55.33</b>           | <b>1,865</b>  | <b>77.17</b>           | <b>1,953</b>  | <b>80.16</b>           |
| Selangor   | Public       | 4,727              | -                      | 5,767         | -                      | 6,204         | -                      | 1,184                                       | -                      | 1,817         | -                      | 2,089         | -                      |
| Selangor   | Private      | 3,625              | -                      | 4,558         | -                      | 4,844         | -                      | 678   | -                      | 719           | -                      | 888           | -                      |
| <b>Selangor</b>  | <b>Total</b> | <b>8,352</b>       | <b>149.74</b>          | <b>10,325</b> | <b>182.72</b>          | <b>11,048</b> | <b>192.96</b>          | <b>1,862</b>                                | <b>33.39</b>           | <b>2,536</b>  | <b>44.88</b>           | <b>2,977</b>  | <b>51.99</b>           |
| WP Putrajaya   | Public       | 495                | -                      | 547           | -                      | 931           | -                      | 229   | -                      | 106           | -                      | 144           | -                      |
| WP Putrajaya   | Private      | na                 | na                     | na            | na                     | na            | na                     | na  | na                     | na            | na                     | na            | na                     |
| <b>WP Putrajaya</b>                                      | <b>Total</b> | <b>495</b>         | <b>647.91</b>          | <b>547</b>    | <b>688.92</b>          | <b>931</b>    | <b>1128.48</b>         | <b>229</b>                                  | <b>299.74</b>          | <b>106</b>    | <b>133.50</b>          | <b>144</b>    | <b>174.55</b>          |
| WP Kuala Lumpur  | Public       | 6,283              | -                      | 6,863         | -                      | 6,920         | -                      | 1,959                                       | -                      | 2,082         | -                      | 2,345         | -                      |
| WP Kuala Lumpur  | Private      | 3,168              | -                      | 3,805         | -                      | 4,123         | -                      | 749   | -                      | 701           | -                      | 751           | -                      |
| <b>WP Kuala Lumpur</b>                                   | <b>Total</b> | <b>9,451</b>       | <b>557.76</b>          | <b>10,668</b> | <b>622.61</b>          | <b>11,043</b> | <b>637.59</b>          | <b>2,708</b>                                | <b>159.78</b>          | <b>2,783</b>  | <b>162.40</b>          | <b>3,096</b>  | <b>178.74</b>          |
| Selangor & WP Putrajaya & WP Kuala Lumpur                | Public       | 11,505             | -                      | 13,177        | -                      | 14,055        | -                      | 3,372                                       | -                      | 4,005         | -                      | 4,578         | -                      |
| Selangor & WP Putrajaya & WP Kuala Lumpur                | Private      | 6,793              | -                      | 8,363         | -                      | 8,967         | -                      | 1,427                                       | -                      | 1,420         | -                      | 1,639         | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WP Kuala Lumpur</b> | <b>Total</b> | <b>18,298</b>      | <b>249.01</b>          | <b>21,540</b> | <b>289.37</b>          | <b>23,022</b> | <b>305.34</b>          | <b>4,799</b>                                | <b>65.30</b>           | <b>5,425</b>  | <b>72.88</b>           | <b>6,217</b>  | <b>82.45</b>           |

Abbreviation: - not available; na - not applicable

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

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

Table 4.2 [continued]: Number &amp; Density of Total Staff Nurses and Staff Nurses with Post-basic Training in Acute Curative Hospitals in Malaysia by State &amp; Sector, 2011-2013

| State                        | Sector *     | Total Staff Nurses |                        |              |                        |              |                        | Total Staff Nurses with Post Basic Training |                        |              |                        |              |                        |
|------------------------------|--------------|--------------------|------------------------|--------------|------------------------|--------------|------------------------|---|------------------------|--------------|------------------------|--------------|------------------------|
|                              |              | 2011               |                        | 2012         |                        | 2013         |                        | 2011  |                        | 2012         |                        | 2013         |                        |
|                              |              | Number             | Per 100,000 population | Number       | Per 100,000 population | Number       | Per 100,000 population | Number                                      | Per 100,000 population | Number       | Per 100,000 population | Number       | Per 100,000 population |
| Negeri Sembilan              | Public       | 1,518              | -                      | 1,552        | -                      | 1,745        | -                      | 474   | -                      | 543          | -                      | 607          | -                      |
| Negeri Sembilan              | Private      | 657                | -                      | 787          | -                      | 835          | -                      | 141   | -                      | 141          | -                      | 160          | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>2,175</b>       | <b>208.52</b>          | <b>2,339</b> | <b>221.46</b>          | <b>2,580</b> | <b>241.08</b>          | <b>615</b>                                  | <b>58.97</b>           | <b>684</b>   | <b>64.73</b>           | <b>767</b>   | <b>71.65</b>           |
| Melaka                       | Public       | 1,224              | -                      | 1,353        | -                      | 1,468        | -                      | 645   | -                      | 558          | -                      | 737          | -                      |
| Melaka                       | Private      | 483                | -                      | 767          | -                      | 805          | -                      | 57  | -                      | 94           | -                      | 121          | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>1,707</b>       | <b>204.92</b>          | <b>2,120</b> | <b>251.63</b>          | <b>2,273</b> | <b>266.66</b>          | <b>702</b>                                  | <b>84.27</b>           | <b>652</b>   | <b>77.39</b>           | <b>858</b>   | <b>100.66</b>          |
| Johor                        | Public       | 4,526              | -                      | 4,429        | -                      | 4,703        | -                      | 1,374                                       | -                      | 1,409        | -                      | 1,718        | -                      |
| Johor                        | Private      | 1,076              | -                      | 1,371        | -                      | 1,559        | -                      | 270   | -                      | 276          | -                      | 309          | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>5,602</b>       | <b>164.67</b>          | <b>5,800</b> | <b>168.64</b>          | <b>6,262</b> | <b>180.08</b>          | <b>1,644</b>                                | <b>48.33</b>           | <b>1,685</b> | <b>48.98</b>           | <b>2,027</b> | <b>58.30</b>           |
| Pahang                       | Public       | 2,338              | -                      | 2,898        | -                      | 2,995        | -                      | 985   | -                      | 767          | -                      | 937          | -                      |
| Pahang                       | Private      | 256                | -                      | 302          | -                      | 339          | -                      | 53  | -                      | 51           | -                      | 68           | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>2,594</b>       | <b>170.12</b>          | <b>3,200</b> | <b>206.66</b>          | <b>3,334</b> | <b>211.99</b>          | <b>1,038</b>                                | <b>68.07</b>           | <b>818</b>   | <b>52.83</b>           | <b>1,005</b> | <b>63.90</b>           |
| Terengganu                   | Public       | 1,985              | -                      | 1,746        | -                      | 1,817        | -                      | 885   | -                      | 801          | -                      | 907          | -                      |
| Terengganu                   | Private      | 35                 | -                      | 45           | -                      | 48           | -                      | 1   | -                      | 3            | -                      | 7            | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>2,020</b>       | <b>188.08</b>          | <b>1,791</b> | <b>163.88</b>          | <b>1,865</b> | <b>167.64</b>          | <b>886</b>                                  | <b>82.50</b>           | <b>804</b>   | <b>73.57</b>           | <b>914</b>   | <b>82.16</b>           |
| Kelantan                     | Public       | 3,044              | -                      | 3,176        | -                      | 3,482        | -                      | 1,161                                       | -                      | 1,194        | -                      | 1,310        | -                      |
| Kelantan                     | Private      | 178                | -                      | 188          | -                      | 198          | -                      | 43  | -                      | 38           | -                      | 56           | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>3,222</b>       | <b>199.48</b>          | <b>3,364</b> | <b>205.07</b>          | <b>3,680</b> | <b>220.90</b>          | <b>1,204</b>                                | <b>74.54</b>           | <b>1,232</b> | <b>75.10</b>           | <b>1,366</b> | <b>82.00</b>           |
| Sarawak                      | Public       | 2,834              | -                      | 3,273        | -                      | 3,984        | -                      | 1,122                                       | -                      | 1,206        | -                      | 1,484        | -                      |
| Sarawak                      | Private      | 483                | -                      | 400          | -                      | 502          | -                      | 84  | -                      | 55           | -                      | 82           | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>3,317</b>       | <b>131.84</b>          | <b>3,673</b> | <b>144.28</b>          | <b>4,486</b> | <b>174.17</b>          | <b>1,206</b>                                | <b>47.93</b>           | <b>1,261</b> | <b>49.52</b>           | <b>1,566</b> | <b>60.81</b>           |
| Sabah                        | Public       | 4,289              | -                      | 5,421        | -                      | 5,760        | -                      | 1,509                                       | -                      | 1,260        | -                      | 1,367        | -                      |
| Sabah                        | Private      | 151                | -                      | 202          | -                      | 204          | -                      | 26  | -                      | 28           | -                      | 42           | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>4,440</b>       | <b>133.88</b>          | <b>5,623</b> | <b>166.77</b>          | <b>5,964</b> | <b>173.96</b>          | <b>1,535</b>                                | <b>46.29</b>           | <b>1,288</b> | <b>38.19</b>           | <b>1,409</b> | <b>41.10</b>           |
| WP Labuan                    | Public       | 116                | -                      | 116          | -                      | 120          | -                      | 53  | -                      | 54           | -                      | 58           | -                      |
| WP Labuan                    | Private      | na                 | -                      | na           | -                      | na           | -                      | na  | -                      | na           | -                      | na           | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>116</b>         | <b>129.18</b>          | <b>116</b>   | <b>126.64</b>          | <b>120</b>   | <b>128.62</b>          | <b>53</b>                                   | <b>59.02</b>           | <b>54</b>    | <b>58.95</b>           | <b>58</b>    | <b>62.17</b>           |
| Sabah & WP Labuan            | Public       | 4,405              | -                      | 5,537        | -                      | 5,880        | -                      | 1,562                                       | -                      | 1,314        | -                      | 1,425        | -                      |
| Sabah & WP Labuan            | Private      | 151                | -                      | 202          | -                      | 204          | -                      | 26  | -                      | 28           | -                      | 42           | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>4,556</b>       | <b>133.76</b>          | <b>5,739</b> | <b>165.71</b>          | <b>6,084</b> | <b>172.76</b>          | <b>1,588</b>                                | <b>46.62</b>           | <b>1,342</b> | <b>38.73</b>           | <b>1,467</b> | <b>41.66</b>           |

Abbreviation: - not available; na - not applicable

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

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

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

**Table 4.3: Number & Density of Total Assistant Medical Officers (AMO) and Assistant Medical Officers with Post-basic Training in Acute Curative Hospitals in Malaysia by State & Sector, 2011-2013**

| State  | Sector *     | Total AMO    |                        |              |                        |              |                        | Total AMO with Post Basic Training |                        |              |                        |              |                        |
|--|--------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|------------------------------------|------------------------|--------------|------------------------|--------------|------------------------|
|  |              | 2011         |                        | 2012         |                        | 2013         |                        | 2011                               |                        | 2012         |                        | 2013         |                        |
|  |              | Number       | Per 100,000 population | Number       | Per 100,000 population | Number       | Per 100,000 population | Number                             | Per 100,000 population | Number       | Per 100,000 population | Number       | Per 100,000 population |
| Malaysia   | Public       | 6,001        | -                      | 6,241        | -                      | 6,488        | -                      | 2,453                              | -                      | 2,504        | -                      | 2,680        | -                      |
| Malaysia   | Private      | 65           | -                      | 70           | -                      | 80           | -                      | 18                                 | -                      | 18           | -                      | 14           | -                      |
| <b>Malaysia</b>  | <b>Total</b> | <b>6,066</b> | <b>20.94</b>           | <b>6,311</b> | <b>21.51</b>           | <b>6,568</b> | <b>22.10</b>           | <b>2,471</b>                       | <b>8.53</b>            | <b>2,522</b> | <b>8.59</b>            | <b>2,694</b> | <b>9.07</b>            |
| Perlis   | Public       | 100          | -                      | 106          | -                      | 101          | -                      | 53                                 | -                      | 45           | -                      | 49           | -                      |
| Perlis   | Private      | na           | -                      | na           | -                      | na           | -                      | na                                 | -                      | na           | -                      | na           | -                      |
| <b>Perlis</b>  | <b>Total</b> | <b>100</b>   | <b>42.11</b>           | <b>106</b>   | <b>44.28</b>           | <b>101</b>   | <b>41.84</b>           | <b>53</b>                          | <b>22.32</b>           | <b>45</b>    | <b>18.80</b>           | <b>49</b>    | <b>20.30</b>           |
| Kedah  | Public       | 434          | -                      | 447          | -                      | 449          | -                      | 162                                | -                      | 186          | -                      | 192          | -                      |
| Kedah  | Private      | 3            | -                      | 2            | -                      | 3            | -                      | 1                                  | -                      | 1            | -                      | 1            | -                      |
| <b>Kedah</b>   | <b>Total</b> | <b>437</b>   | <b>22.15</b>           | <b>449</b>   | <b>22.49</b>           | <b>452</b>   | <b>22.36</b>           | <b>163</b>                         | <b>8.26</b>            | <b>187</b>   | <b>9.36</b>            | <b>193</b>   | <b>9.55</b>            |
| Kedah & Perlis   | Public       | 534          | -                      | 553          | -                      | 550          | -                      | 215                                | -                      | 231          | -                      | 241          | -                      |
| Kedah & Perlis   | Private      | 3            | -                      | 2            | -                      | 3            | -                      | 1                                  | -                      | 1            | -                      | 1            | -                      |
| <b>Kedah &amp; Perlis</b>                                | <b>Total</b> | <b>537</b>   | <b>24.29</b>           | <b>555</b>   | <b>24.82</b>           | <b>553</b>   | <b>24.44</b>           | <b>216</b>                         | <b>9.77</b>            | <b>232</b>   | <b>10.37</b>           | <b>242</b>   | <b>10.70</b>           |
| Pulau Pinang   | Public       | 379          | -                      | 421          | -                      | 416          | -                      | 138                                | -                      | 119          | -                      | 131          | -                      |
| Pulau Pinang   | Private      | 3            | -                      | 5            | -                      | 9            | -                      | 1                                  | -                      | 1            | -                      | 1            | -                      |
| <b>Pulau Pinang</b>                                      | <b>Total</b> | <b>382</b>   | <b>23.97</b>           | <b>426</b>   | <b>26.44</b>           | <b>425</b>   | <b>26.10</b>           | <b>139</b>                         | <b>8.72</b>            | <b>120</b>   | <b>7.45</b>            | <b>132</b>   | <b>8.11</b>            |
| Perak  | Public       | 517          | -                      | 549          | -                      | 555          | -                      | 242                                | -                      | 281          | -                      | 273          | -                      |
| Perak  | Private      | 0            | -                      | 0            | -                      | 0            | -                      | 0                                  | -                      | 0            | -                      | 0            | -                      |
| <b>Perak</b>   | <b>Total</b> | <b>517</b>   | <b>21.56</b>           | <b>549</b>   | <b>22.72</b>           | <b>555</b>   | <b>22.78</b>           | <b>242</b>                         | <b>10.09</b>           | <b>281</b>   | <b>11.63</b>           | <b>273</b>   | <b>11.21</b>           |
| Selangor   | Public       | 704          | -                      | 739          | -                      | 715          | -                      | 199                                | -                      | 256          | -                      | 299          | -                      |
| Selangor   | Private      | 19           | -                      | 16           | -                      | 33           | -                      | 2                                  | -                      | 0            | -                      | 2            | -                      |
| <b>Selangor</b>  | <b>Total</b> | <b>723</b>   | <b>12.97</b>           | <b>755</b>   | <b>13.36</b>           | <b>748</b>   | <b>13.07</b>           | <b>201</b>                         | <b>3.60</b>            | <b>256</b>   | <b>4.53</b>            | <b>301</b>   | <b>5.26</b>            |
| WP Putrajaya   | Public       | 54           | -                      | 57           | -                      | 69           | -                      | 15                                 | -                      | 27           | -                      | 33           | -                      |
| WP Putrajaya   | Private      | na           | -                      | na           | -                      | na           | -                      | na                                 | -                      | na           | -                      | na           | -                      |
| <b>WP Putrajaya</b>                                      | <b>Total</b> | <b>54</b>    | <b>70.68</b>           | <b>57</b>    | <b>71.79</b>           | <b>69</b>    | <b>83.64</b>           | <b>15</b>                          | <b>19.63</b>           | <b>27</b>    | <b>34.01</b>           | <b>33</b>    | <b>40.00</b>           |
| WP Kuala Lumpur  | Public       | 383          | -                      | 491          | -                      | 540          | -                      | 152                                | -                      | 206          | -                      | 225          | -                      |
| WP Kuala Lumpur  | Private      | 12           | -                      | 9            | -                      | 8            | -                      | 1                                  | -                      | 6            | -                      | 2            | -                      |
| <b>WP Kuala Lumpur</b>                                   | <b>Total</b> | <b>395</b>   | <b>23.29</b>           | <b>500</b>   | <b>29.18</b>           | <b>548</b>   | <b>31.63</b>           | <b>153</b>                         | <b>9.05</b>            | <b>212</b>   | <b>12.35</b>           | <b>227</b>   | <b>13.11</b>           |
| Selangor & WP Putrajaya & WP Kuala Lumpur                | Public       | 1,141        | -                      | 1,287        | -                      | 1,324        | -                      | 366                                | -                      | 489          | -                      | 557          | -                      |
| Selangor & WP Putrajaya & WP Kuala Lumpur                | Private      | 31           | -                      | 25           | -                      | 41           | -                      | 3                                  | -                      | 6            | -                      | 4            | -                      |
| <b>Selangor &amp; WP Putrajaya &amp; WP Kuala Lumpur</b> | <b>Total</b> | <b>1,172</b> | <b>15.95</b>           | <b>1,312</b> | <b>17.63</b>           | <b>1,365</b> | <b>18.11</b>           | <b>369</b>                         | <b>5.03</b>            | <b>495</b>   | <b>6.64</b>            | <b>561</b>   | <b>7.45</b>            |

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 4.3 [continued]: Number & Density of Total Assistant Medical Officers (AMO) and Assistant Medical Officers with Post-basic Training in Acute Curative Hospitals in Malaysia by State & Sector, 2011-2013**

| State                        | Sector *     | Total AMO  |                        |            |                        |            |                        | Total AMO with Post Basic Training |                        |            |                        |            |                        |
|------------------------------|--------------|------------|------------------------|------------|------------------------|------------|------------------------|------------------------------------|------------------------|------------|------------------------|------------|------------------------|
|                              |              | 2011       |                        | 2012       |                        | 2013       |                        | 2011                               |                        | 2012       |                        | 2013       |                        |
|                              |              | Number     | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population | Number                             | Per 100,000 population | Number     | Per 100,000 population | Number     | Per 100,000 population |
| Negeri Sembilan              | Public       | 250        | -                      | 283        | -                      | 269        | -                      | 88                                 | -                      | 75         | -                      | 85         | -                      |
| Negeri Sembilan              | Private      | 5          | -                      | 9          | -                      | 14         | -                      | 2                                  | -                      | 5          | -                      | 5          | -                      |
| <b>Negeri Sembilan</b>       | <b>Total</b> | <b>255</b> | <b>24.42</b>           | <b>292</b> | <b>27.60</b>           | <b>283</b> | <b>26.42</b>           | <b>90</b>                          | <b>8.63</b>            | <b>80</b>  | <b>7.55</b>            | <b>90</b>  | <b>8.39</b>            |
| Melaka                       | Public       | 251        | -                      | 230        | -                      | 246        | -                      | 141                                | -                      | 103        | -                      | 116        | -                      |
| Melaka                       | Private      | 4          | -                      | 3          | -                      | 4          | -                      | 1                                  | -                      | 0          | -                      | 0          | -                      |
| <b>Melaka</b>                | <b>Total</b> | <b>255</b> | <b>30.61</b>           | <b>233</b> | <b>27.66</b>           | <b>250</b> | <b>29.33</b>           | <b>142</b>                         | <b>17.05</b>           | <b>103</b> | <b>12.23</b>           | <b>116</b> | <b>13.61</b>           |
| Johor                        | Public       | 538        | -                      | 564        | -                      | 591        | -                      | 222                                | -                      | 242        | -                      | 263        | -                      |
| Johor                        | Private      | 3          | -                      | 15         | -                      | 4          | -                      | 3                                  | -                      | 2          | -                      | 2          | -                      |
| <b>Johor</b>                 | <b>Total</b> | <b>541</b> | <b>15.89</b>           | <b>579</b> | <b>16.83</b>           | <b>595</b> | <b>17.11</b>           | <b>225</b>                         | <b>6.61</b>            | <b>244</b> | <b>7.09</b>            | <b>265</b> | <b>7.62</b>            |
| Pahang                       | Public       | 443        | -                      | 398        | -                      | 410        | -                      | 152                                | -                      | 149        | -                      | 161        | -                      |
| Pahang                       | Private      | 2          | -                      | 1          | -                      | 2          | -                      | 0                                  | -                      | 0          | -                      | 1          | -                      |
| <b>Pahang</b>                | <b>Total</b> | <b>445</b> | <b>29.18</b>           | <b>399</b> | <b>25.77</b>           | <b>412</b> | <b>26.20</b>           | <b>152</b>                         | <b>9.97</b>            | <b>149</b> | <b>9.62</b>            | <b>162</b> | <b>10.30</b>           |
| Terengganu                   | Public       | 240        | -                      | 250        | -                      | 266        | -                      | 117                                | -                      | 101        | -                      | 107        | -                      |
| Terengganu                   | Private      | 0          | -                      | 0          | -                      | 0          | -                      | 0                                  | -                      | 0          | -                      | 0          | -                      |
| <b>Terengganu</b>            | <b>Total</b> | <b>240</b> | <b>22.35</b>           | <b>250</b> | <b>22.87</b>           | <b>266</b> | <b>23.91</b>           | <b>117</b>                         | <b>10.89</b>           | <b>101</b> | <b>9.24</b>            | <b>107</b> | <b>9.62</b>            |
| Kelantan                     | Public       | 342        | -                      | 370        | -                      | 377        | -                      | 153                                | -                      | 164        | -                      | 169        | -                      |
| Kelantan                     | Private      | 1          | -                      | 2          | -                      | 2          | -                      | -                                  | -                      | -          | -                      | -          | -                      |
| <b>Kelantan</b>              | <b>Total</b> | <b>343</b> | <b>21.24</b>           | <b>372</b> | <b>22.68</b>           | <b>379</b> | <b>22.75</b>           | <b>153</b>                         | <b>9.47</b>            | <b>164</b> | <b>10.00</b>           | <b>169</b> | <b>10.14</b>           |
| Sarawak                      | Public       | 646        | -                      | 596        | -                      | 648        | -                      | 285                                | -                      | 290        | -                      | 315        | -                      |
| Sarawak                      | Private      | 13         | -                      | 8          | -                      | 1          | -                      | 7                                  | -                      | 3          | -                      | -          | -                      |
| <b>Sarawak</b>               | <b>Total</b> | <b>659</b> | <b>26.19</b>           | <b>604</b> | <b>23.73</b>           | <b>649</b> | <b>25.21</b>           | <b>292</b>                         | <b>11.60</b>           | <b>293</b> | <b>11.50</b>           | <b>315</b> | <b>12.23</b>           |
| Sabah                        | Public       | 697        | -                      | 716        | -                      | 812        | -                      | 323                                | -                      | 253        | -                      | 255        | -                      |
| Sabah                        | Private      | 0          | -                      | 0          | -                      | 0          | -                      | 0                                  | -                      | 0          | -                      | 0          | -                      |
| <b>Sabah</b>                 | <b>Total</b> | <b>697</b> | <b>21.02</b>           | <b>716</b> | <b>21.24</b>           | <b>812</b> | <b>23.69</b>           | <b>323</b>                         | <b>9.74</b>            | <b>253</b> | <b>7.50</b>            | <b>255</b> | <b>7.44</b>            |
| WP Labuan                    | Public       | 23         | -                      | 24         | -                      | 24         | -                      | 11                                 | -                      | 7          | -                      | 7          | -                      |
| WP Labuan                    | Private      | na         | -                      | na         | -                      | na         | -                      | na                                 | -                      | na         | -                      | na         | -                      |
| <b>WP Labuan</b>             | <b>Total</b> | <b>23</b>  | <b>25.61</b>           | <b>24</b>  | <b>26.20</b>           | <b>24</b>  | <b>25.72</b>           | <b>11</b>                          | <b>12.25</b>           | <b>7</b>   | <b>7.64</b>            | <b>7</b>   | <b>7.50</b>            |
| Sabah & WP Labuan            | Public       | 720        | -                      | 740        | -                      | 836        | -                      | 334                                | -                      | 260        | -                      | 262        | -                      |
| Sabah & WP Labuan            | Private      | 0          | -                      | 0          | -                      | 0          | -                      | 0                                  | -                      | 0          | -                      | 0          | -                      |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b> | <b>720</b> | <b>21.14</b>           | <b>740</b> | <b>21.37</b>           | <b>836</b> | <b>23.74</b>           | <b>334</b>                         | <b>9.81</b>            | <b>260</b> | <b>7.51</b>            | <b>262</b> | <b>7.44</b>            |

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 4.4 : Number & Density of Total Radiographers, and Number of Radiographers with Post-basic Training in Mammography / Computer Tomography (CT) in Acute Curative Hospitals in Malaysia by State & Sector, 2012-2013**

| State  | Sector *     | Total Radiographer |              |              |              | Total Radiographer with Post Basic Training in Mammography |        | Total Radiographer with Post Basic Training in Computer Tomography (CT) |        |
|--|--------------|--------------------|--------------|--------------|--------------|--|--------|---|--------|
|  |              | 2012               |              | 2013         |              | 2012   |        | 2013  |        |
|  |              | Number             | Per 100,000  | Number       | Per 100,000  | Number   | Number | Number  | Number |
| Malaysia   | Public       | 2,351              | -            | 2,419        | -            | 24   | 31     | 120   | 128    |
| Malaysia   | Private      | 736                | -            | 839          | -            | -  | -      | -   | -      |
| <b>Malaysia</b>  | <b>Total</b> | <b>3,087</b>       | <b>10.52</b> | <b>3,258</b> | <b>10.96</b> | -  | -      | -   | -      |
| Perlis   | Public       | 30                 | -            | 30           | -            | 0  | 0      | 7   | 7      |
| Perlis   | Private      | na                 | na           | na           | na           | na   | na     | na  | na     |
| <b>Perlis</b>  | <b>Total</b> | <b>30</b>          | <b>12.53</b> | <b>30</b>    | <b>12.43</b> | -  | -      | -   | -      |
| Kedah  | Public       | 132                | -            | 134          | -            | 0  | 1      | 1   | 2      |
| Kedah  | Private      | 21                 | -            | 30           | -            | -  | -      | -   | -      |
| <b>Kedah</b>   | <b>Total</b> | <b>153</b>         | <b>7.66</b>  | <b>164</b>   | <b>8.11</b>  | -  | -      | -   | -      |
| Kedah & Perlis   | Public       | 162                | -            | 164          | -            | 0  | 1      | 8   | 9      |
| Kedah & Perlis   | Private      | 21                 | -            | 30           | -            | -  | -      | -   | -      |
| <b>Kedah &amp; Perlis</b>                                | <b>Total</b> | <b>183</b>         | <b>8.18</b>  | <b>194</b>   | <b>8.57</b>  | -  | -      | -   | -      |
| Pulau Pinang   | Public       | 145                | -            | 133          | -            | 3  | 3      | 10  | 9      |
| Pulau Pinang   | Private      | 99                 | -            | 116          | -            | -  | -      | -   | -      |
| <b>Pulau Pinang</b>                                      | <b>Total</b> | <b>244</b>         | <b>15.17</b> | <b>249</b>   | <b>15.27</b> | -  | -      | -   | -      |
| Perak  | Public       | 169                | -            | 172          | -            | 0  | 0      | 2   | 3      |
| Perak  | Private      | 45                 | -            | 51           | -            | -  | -      | -   | -      |
| <b>Perak</b>   | <b>Total</b> | <b>214</b>         | <b>8.86</b>  | <b>223</b>   | <b>9.15</b>  | -  | -      | -   | -      |
| Selangor   | Public       | 255                | -            | 255          | -            | 3  | 6      | 20  | 19     |
| Selangor   | Private      | 187                | -            | 205          | -            | -  | -      | -   | -      |
| <b>Selangor</b>  | <b>Total</b> | <b>442</b>         | <b>7.83</b>  | <b>460</b>   | <b>8.03</b>  | -  | -      | -   | -      |
| WP Putrajaya   | Public       | 27                 | -            | 60           | -            | 0  | 1      | 0   | 4      |
| WP Putrajaya   | Private      | na                 | na           | na           | na           | na   | na     | na  | na     |
| <b>WP Putrajaya</b>                                      | <b>Total</b> | <b>27</b>          | <b>34.01</b> | <b>60</b>    | <b>72.73</b> | -  | -      | -   | -      |
| WP Kuala Lumpur  | Public       | 437                | -            | 442          | -            | 4  | 6      | 25  | 24     |
| WP Kuala Lumpur  | Private      | 176                | -            | 194          | -            | -  | -      | -   | -      |
| <b>WP Kuala Lumpur</b>                                   | <b>Total</b> | <b>613</b>         | <b>35.80</b> | <b>636</b>   | <b>36.71</b> | -  | -      | -   | -      |
| Selangor & WP Putrajaya & WP Kuala Lumpur                | Public       | 719                | -            | 757          | -            | 7  | 13     | 45  | 47     |
| Selangor & WP Putrajaya & WP Kuala Lumpur                | Private      | 364                | -            | 399          | -            | -  | -      | -   | -      |
| <b>Selangor &amp; WP Putrajaya &amp; WP Kuala Lumpur</b> | <b>Total</b> | <b>1,083</b>       | <b>14.55</b> | <b>1,156</b> | <b>15.33</b> | -  | -      | -   | -      |

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 4.4 [continued]: Number & Density of Total Radiographers, and Number of Radiographers with Post-basic Training in Mammography / Computer Tomography (CT) in Acute Curative Hospitals in Malaysia by State & Sector, 2012-2013**

| State                        | Sector<br>Sector * | Total Radiographer |                |            |                |        |                | Total Radiographer with Post Basic<br>Training in Mammography |        | Total Radiographer with Post Basic<br>Training in Computer Tomography (CT) |        |      |  |
|------------------------------|--------------------|--------------------|----------------|------------|----------------|--------|----------------|---|--------|--|--------|------|--|
|                              |                    | 2012               |                | 2013       |                | 2012   |                | 2013  |        | 2012   |        | 2013 |  |
|                              |                    | Number             | Per<br>100,000 | Number     | Per<br>100,000 | Number | Per<br>100,000 | Number  | Number | Number   | Number |      |  |
| Negeri Sembilan              | Public             | 89                 | -              | 88         | -              | 2      | 2              | 3   | 3      |  |        |      |  |
| Negeri Sembilan              | Private            | 36                 | -              | 36         | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Negeri Sembilan</b>       | <b>Total</b>       | <b>125</b>         | <b>11.86</b>   | <b>124</b> | <b>11.61</b>   | -      | -              | -   | -      |  |        |      |  |
| Melaka                       | Public             | 55                 | -              | 57         | -              | 1      | 1              | 2   | 2      |  |        |      |  |
| Melaka                       | Private            | 34                 | -              | 42         | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Melaka</b>                | <b>Total</b>       | <b>89</b>          | <b>10.56</b>   | <b>99</b>  | <b>11.61</b>   | -      | -              | -   | -      |  |        |      |  |
| Johor                        | Public             | 263                | -              | 259        | -              | 3      | 3              | 3   | 5      |  |        |      |  |
| Johor                        | Private            | 60                 | -              | 77         | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Johor</b>                 | <b>Total</b>       | <b>323</b>         | <b>9.38</b>    | <b>336</b> | <b>9.67</b>    | -      | -              | -   | -      |  |        |      |  |
| Pahang                       | Public             | 116                | -              | 120        | -              | 2      | 2              | 7   | 7      |  |        |      |  |
| Pahang                       | Private            | 18                 | -              | 19         | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Pahang</b>                | <b>Total</b>       | <b>134</b>         | <b>8.65</b>    | <b>139</b> | <b>8.84</b>    | -      | -              | -   | -      |  |        |      |  |
| Terengganu                   | Public             | 83                 | -              | 86         | -              | 1      | 1              | 12  | 12     |  |        |      |  |
| Terengganu                   | Private            | 2                  | -              | 3          | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Terengganu</b>            | <b>Total</b>       | <b>85</b>          | <b>7.78</b>    | <b>89</b>  | <b>8.00</b>    | -      | -              | -   | -      |  |        |      |  |
| Kelantan                     | Public             | 130                | -              | 133        | -              | 1      | 1              | 8   | 9      |  |        |      |  |
| Kelantan                     | Private            | 8                  | -              | 9          | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Kelantan</b>              | <b>Total</b>       | <b>138</b>         | <b>8.41</b>    | <b>142</b> | <b>8.52</b>    | -      | -              | -   | -      |  |        |      |  |
| Sarawak                      | Public             | 202                | -              | 208        | -              | 3      | 3              | 7   | 8      |  |        |      |  |
| Sarawak                      | Private            | 39                 | -              | 48         | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Sarawak</b>               | <b>Total</b>       | <b>241</b>         | <b>9.45</b>    | <b>256</b> | <b>9.92</b>    | -      | -              | -   | -      |  |        |      |  |
| Sabah                        | Public             | 214                | -              | 237        | -              | 1      | 1              | 13  | 14     |  |        |      |  |
| Sabah                        | Private            | 10                 | -              | 10         | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Sabah</b>                 | <b>Total</b>       | <b>224</b>         | <b>6.64</b>    | <b>247</b> | <b>7.21</b>    | -      | -              | -   | -      |  |        |      |  |
| WP Labuan                    | Public             | 4                  | -              | 5          | -              | 0      | 0              | 0   | 0      |  |        |      |  |
| WP Labuan                    | Private            | na                 | na             | na         | na             | na     | na             | na  | na     |  |        |      |  |
| <b>WP Labuan</b>             | <b>Total</b>       | <b>4</b>           | <b>4.37</b>    | <b>5</b>   | <b>5.36</b>    | -      | -              | -   | -      |  |        |      |  |
| Sabah & WP Labuan            | Public             | 218                | -              | 242        | -              | 1      | 1              | 13  | 14     |  |        |      |  |
| Sabah & WP Labuan            | Private            | 10                 | -              | 10         | -              | -      | -              | -   | -      |  |        |      |  |
| <b>Sabah &amp; WP Labuan</b> | <b>Total</b>       | <b>228</b>         | <b>6.58</b>    | <b>252</b> | <b>7.16</b>    | -      | -              | -   | -      |  |        |      |  |

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