

## 3.4-East Metro PHD Physician Standard Report

Included Counties: Gwinnett, Newton, Rockdale

|                                 |                            | 2004 Actual        |              |            | 2010 Projected        |            |
|---------------------------------|----------------------------|--------------------|--------------|------------|-----------------------|------------|
| Physician Specialty             |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>Allergy &amp; Immunology</b> |                            | <b>824,430</b>     | <b>2</b>     | <b>0.2</b> | <b>1,007,211</b>      | <b>2</b>   |
| National Physician Standards    | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                             | 1.4                        | 12                 | Deficit: -10 | 14         | Deficit: -12          |            |
| Two Mature HMO                  | 1.5                        | 12                 | Deficit: -10 | 15         | Deficit: -13          |            |
| Adjusted FTE                    | 1.4                        | 12                 | Deficit: -10 | 14         | Deficit: -12          |            |
| GMENAC                          | 0.8                        | 7                  | Deficit: -5  | 8          | Deficit: -6           |            |
| Kaiser Portland                 | 1.7                        | 14                 | Deficit: -12 | 17         | Deficit: -15          |            |
| 7 Kaiser Plans                  | 1.2                        | 10                 | Deficit: -8  | 12         | Deficit: -10          |            |
| GMH Seattle                     | 1.1                        | 9                  | Deficit: -7  | 11         | Deficit: -9           |            |
| Three HMOs                      |                            |                    |              |            |                       |            |
| Average Requirement             | 1.3                        | 11                 | Deficit: -9  | 13         | Deficit: -11          |            |
|                                 |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |            |
| Physician Specialty             |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>Anesthesiology</b>           |                            | <b>824,430</b>     | <b>43</b>    | <b>5.2</b> | <b>1,007,211</b>      | <b>54</b>  |
| National Physician Standards    | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                             | 13.2                       | 109                | Deficit: -66 | 133        | Deficit: -79          |            |
| Two Mature HMO                  | 9.7                        | 80                 | Deficit: -37 | 98         | Deficit: -44          |            |
| Adjusted FTE                    | 9.1                        | 75                 | Deficit: -32 | 92         | Deficit: -38          |            |
| GMENAC                          | 8.9                        | 73                 | Deficit: -30 | 90         | Deficit: -36          |            |
| Kaiser Portland                 | 5.9                        | 49                 | Deficit: -6  | 59         | Deficit: -5           |            |
| 7 Kaiser Plans                  | 3.9                        | 32                 | Surplus: 11  | 39         | Surplus: 15           |            |
| GMH Seattle                     | 9.0                        | 74                 | Deficit: -31 | 91         | Deficit: -37          |            |
| Three HMOs                      |                            |                    |              |            |                       |            |
| Average Requirement             | 7.8                        | 64                 | Deficit: -21 | 79         | Deficit: -25          |            |
|                                 |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |            |
| Physician Specialty             |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>Cardiovascular Diseases</b>  |                            | <b>824,430</b>     | <b>26</b>    | <b>3.2</b> | <b>1,007,211</b>      | <b>36</b>  |
| National Physician Standards    | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                             | 7.5                        | 62                 | Deficit: -36 | 76         | Deficit: -40          |            |
| Two Mature HMO                  | 5.4                        | 45                 | Deficit: -19 | 54         | Deficit: -18          |            |
| Adjusted FTE                    | 5.0                        | 41                 | Deficit: -15 | 50         | Deficit: -14          |            |
| GMENAC                          | 3.1                        | 26                 | Adequate 0   | 31         | Surplus: 5            |            |
| Kaiser Portland                 | 3.0                        | 25                 | Surplus: 1   | 30         | Surplus: 6            |            |
| 7 Kaiser Plans                  | 1.8                        | 15                 | Surplus: 11  | 18         | Surplus: 18           |            |
| GMH Seattle                     | 2.9                        | 24                 | Surplus: 2   | 29         | Surplus: 7            |            |
| Three HMOs                      |                            |                    |              |            |                       |            |
| Average Requirement             | 3.5                        | 29                 | Deficit: -3  | 35         | Surplus: 1            |            |

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Included Counties: Gwinnett, Newton, Rockdale

|                              |                            | 2004 Actual        |              |            | 2010 Projected        |            |
|------------------------------|----------------------------|--------------------|--------------|------------|-----------------------|------------|
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>Dermatology</b>           |                            | <b>824,430</b>     | <b>21</b>    | <b>2.5</b> | <b>1,007,211</b>      | <b>26</b>  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                          | 3.6                        | 30                 | Deficit: -9  | 36         | Deficit: -10          |            |
| Two Mature HMO               | 2.8                        | 23                 | Deficit: -2  | 28         | Deficit: -2           |            |
| Adjusted FTE                 | 2.6                        | 21                 | Adequate 0   | 26         | Adequate 0            |            |
| GMENAC                       | 2.8                        | 23                 | Deficit: -2  | 28         | Deficit: -2           |            |
| Kaiser Portland              | 2.5                        | 21                 | Adequate 0   | 25         | Surplus: 1            |            |
| 7 Kaiser Plans               | 2.4                        | 20                 | Surplus: 1   | 24         | Surplus: 2            |            |
| GMH Seattle                  | 2.6                        | 21                 | Adequate 0   | 26         | Adequate 0            |            |
| Three HMOs                   | 1.6                        | 13                 | Surplus: 8   | 16         | Surplus: 10           |            |
| Average Requirement          | 2.5                        | 21                 | Adequate 0   | 25         | Surplus: 1            |            |
|                              |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |            |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>Diagnostic Radiology</b>  |                            | <b>824,430</b>     | <b>13</b>    | <b>1.6</b> | <b>1,007,211</b>      | <b>17</b>  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                          | 8.1                        | 67                 | Deficit: -54 | 82         | Deficit: -65          |            |
| Two Mature HMO               |                            |                    |              |            |                       |            |
| Adjusted FTE                 |                            |                    |              |            |                       |            |
| GMENAC                       |                            |                    |              |            |                       |            |
| Kaiser Portland              |                            |                    |              |            |                       |            |
| 7 Kaiser Plans               |                            |                    |              |            |                       |            |
| GMH Seattle                  |                            |                    |              |            |                       |            |
| Three HMOs                   |                            |                    |              |            |                       |            |
| Average Requirement          |                            |                    |              |            |                       |            |
|                              |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |            |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>Emergency Medicine</b>    |                            | <b>824,430</b>     | <b>53</b>    | <b>6.4</b> | <b>1,007,211</b>      | <b>66</b>  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                          | 9.5                        | 78                 | Deficit: -25 | 96         | Deficit: -30          |            |
| Two Mature HMO               | 5.5                        | 45                 | Surplus: 8   | 55         | Surplus: 11           |            |
| Adjusted FTE                 | 5.2                        | 43                 | Surplus: 10  | 52         | Surplus: 14           |            |
| GMENAC                       | 5.4                        | 45                 | Surplus: 8   | 54         | Surplus: 12           |            |
| Kaiser Portland              | 6.7                        | 55                 | Deficit: -2  | 67         | Deficit: -1           |            |
| 7 Kaiser Plans               | 5.3                        | 44                 | Surplus: 9   | 53         | Surplus: 13           |            |
| GMH Seattle                  |                            |                    |              |            |                       |            |
| Three HMOs                   |                            |                    |              |            |                       |            |
| Average Requirement          | 5.6                        | 46                 | Surplus: 7   | 56         | Surplus: 10           |            |

## 3.4-East Metro PHD Physician Standard Report

Included Counties: Gwinnett, Newton, Rockdale

|   |                            | 2004 Actual        |               |             | 2010 Projected        |            |
|---|----------------------------|--------------------|---------------|-------------|-----------------------|------------|
| Physician Specialty                             |                            | Pop.               | Phys.         | /100k       | Pop.                  | Physicians |
| <b>Endocrinology, Diabetes &amp; Metabolism</b> |                            | <b>824,430</b>     | <b>5</b>      | <b>0.6</b>  | <b>1,007,211</b>      | <b>7</b>   |
| National Physician Standards                    | Standard Phys/100,000 Pop. | Phys. Need         | Status        | Phys. Need  | Status                |            |
| AMA   | 1.7                        | 14                 | Deficit: -9   | 17          | Deficit: -10          |            |
| Two Mature HMO                                  | 1.1                        | 9                  | Deficit: -4   | 11          | Deficit: -4           |            |
| Adjusted FTE                                    | 1.0                        | 8                  | Deficit: -3   | 10          | Deficit: -3           |            |
| GMENAC  | 0.8                        | 7                  | Deficit: -2   | 8           | Deficit: -1           |            |
| Kaiser Portland                                 | 0.9                        | 7                  | Deficit: -2   | 9           | Deficit: -2           |            |
| 7 Kaiser Plans                                  | 1.1                        | 9                  | Deficit: -4   | 11          | Deficit: -4           |            |
| GMH Seattle                                     |                            |                    |               |             |                       |            |
| Three HMOs                                      | 0.6                        | 5                  | Adequate 0    | 6           | Surplus: 1            |            |
| Average Requirement                             | 0.9                        | 7                  | Deficit: -2   | 9           | Deficit: -2           |            |
|   |                            | <b>2004 Actual</b> |               |             | <b>2010 Projected</b> |            |
| Physician Specialty                             |                            | Pop.               | Phys.         | /100k       | Pop.                  | Physicians |
| <b>Family Practice</b>                          |                            | <b>824,430</b>     | <b>153</b>    | <b>18.6</b> | <b>1,007,211</b>      | <b>194</b> |
| National Physician Standards                    | Standard Phys/100,000 Pop. | Phys. Need         | Status        | Phys. Need  | Status                |            |
| AMA   | 31.3                       | 258                | Deficit: -105 | 315         | Deficit: -121         |            |
| Two Mature HMO                                  | 45.6                       | 376                | Deficit: -223 | 459         | Deficit: -265         |            |
| Adjusted FTE                                    | 42.6                       | 351                | Deficit: -198 | 429         | Deficit: -235         |            |
| GMENAC  | 25.2                       | 208                | Deficit: -55  | 254         | Deficit: -60          |            |
| Kaiser Portland                                 | 16.7                       | 138                | Surplus: 15   | 168         | Surplus: 26           |            |
| 7 Kaiser Plans                                  | 11.0                       | 91                 | Surplus: 62   | 111         | Surplus: 83           |            |
| GMH Seattle                                     |                            |                    |               |             |                       |            |
| Three HMOs                                      | 9.2                        | 76                 | Surplus: 77   | 93          | Surplus: 101          |            |
| Average Requirement                             | 25.1                       | 207                | Deficit: -54  | 253         | Deficit: -59          |            |
|   |                            | <b>2004 Actual</b> |               |             | <b>2010 Projected</b> |            |
| Physician Specialty                             |                            | Pop.               | Phys.         | /100k       | Pop.                  | Physicians |
| <b>Gastroenterology</b>                         |                            | <b>824,430</b>     | <b>7</b>      | <b>0.8</b>  | <b>1,007,211</b>      | <b>10</b>  |
| National Physician Standards                    | Standard Phys/100,000 Pop. | Phys. Need         | Status        | Phys. Need  | Status                |            |
| AMA   | 4.0                        | 33                 | Deficit: -26  | 40          | Deficit: -30          |            |
| Two Mature HMO                                  |                            |                    |               |             |                       |            |
| Adjusted FTE                                    |                            |                    |               |             |                       |            |
| GMENAC  |                            |                    |               |             |                       |            |
| Kaiser Portland                                 |                            |                    |               |             |                       |            |
| 7 Kaiser Plans                                  |                            |                    |               |             |                       |            |
| GMH Seattle                                     |                            |                    |               |             |                       |            |
| Three HMOs                                      |                            |                    |               |             |                       |            |
| Average Requirement                             |                            |                    |               |             |                       |            |

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Included Counties: Gwinnett, Newton, Rockdale

|                              |                               | 2004 Actual        |               |             | 2010 Projected        |            |
|------------------------------|-------------------------------|--------------------|---------------|-------------|-----------------------|------------|
| Physician Specialty          |                               | Pop.               | Phys.         | /100k       | Pop.                  | Physicians |
| <b>Hematology/Oncology</b>   |                               | <b>824,430</b>     | <b>5</b>      | <b>0.6</b>  | <b>1,007,211</b>      | <b>7</b>   |
| National Physician Standards | Standard<br>Phys/100,000 Pop. | Phys. Need         | Status        | Phys. Need  | Status                |            |
| AMA                          | 3.1                           | 26                 | Deficit: -21  | 31          | Deficit: -24          |            |
| Two Mature HMO               | 2.5                           | 21                 | Deficit: -16  | 25          | Deficit: -18          |            |
| Adjusted FTE                 | 2.4                           | 20                 | Deficit: -15  | 24          | Deficit: -17          |            |
| GMENAC                       | 3.6                           | 30                 | Deficit: -25  | 36          | Deficit: -29          |            |
| Kaiser Portland              | 2.3                           | 19                 | Deficit: -14  | 23          | Deficit: -16          |            |
| 7 Kaiser Plans               | 1.8                           | 15                 | Deficit: -10  | 18          | Deficit: -11          |            |
| GMH Seattle                  | 1.6                           | 13                 | Deficit: -8   | 16          | Deficit: -9           |            |
| Three HMOs                   | 2.6                           | 21                 | Deficit: -16  | 26          | Deficit: -19          |            |
| Average Requirement          | 2.4                           | 20                 | Deficit: -15  | 24          | Deficit: -17          |            |
|                              |                               | <b>2004 Actual</b> |               |             | <b>2010 Projected</b> |            |
| Physician Specialty          |                               | Pop.               | Phys.         | /100k       | Pop.                  | Physicians |
| <b>Infectious Disease</b>    |                               | <b>824,430</b>     | <b>1</b>      | <b>0.1</b>  | <b>1,007,211</b>      | <b>1</b>   |
| National Physician Standards | Standard<br>Phys/100,000 Pop. | Phys. Need         | Status        | Phys. Need  | Status                |            |
| AMA                          | 2.1                           | 17                 | Deficit: -16  | 21          | Deficit: -20          |            |
| Two Mature HMO               | 0.7                           | 6                  | Deficit: -5   | 7           | Deficit: -6           |            |
| Adjusted FTE                 | 0.6                           | 5                  | Deficit: -4   | 6           | Deficit: -5           |            |
| GMENAC                       | 0.9                           | 7                  | Deficit: -6   | 9           | Deficit: -8           |            |
| Kaiser Portland              | 1.2                           | 10                 | Deficit: -9   | 12          | Deficit: -11          |            |
| 7 Kaiser Plans               | 0.7                           | 6                  | Deficit: -5   | 7           | Deficit: -6           |            |
| GMH Seattle                  | 0.6                           | 5                  | Deficit: -4   | 6           | Deficit: -5           |            |
| Three HMOs                   |                               |                    |               |             |                       |            |
| Average Requirement          | 0.8                           | 7                  | Deficit: -6   | 8           | Deficit: -7           |            |
|                              |                               | <b>2004 Actual</b> |               |             | <b>2010 Projected</b> |            |
| Physician Specialty          |                               | Pop.               | Phys.         | /100k       | Pop.                  | Physicians |
| <b>Internal Medicine</b>     |                               | <b>824,430</b>     | <b>182</b>    | <b>22.1</b> | <b>1,007,211</b>      | <b>245</b> |
| National Physician Standards | Standard<br>Phys/100,000 Pop. | Phys. Need         | Status        | Phys. Need  | Status                |            |
| AMA                          | 51.4                          | 424                | Deficit: -242 | 518         | Deficit: -273         |            |
| Two Mature HMO               | 21.4                          | 176                | Surplus: 6    | 216         | Surplus: 29           |            |
| Adjusted FTE                 | 20.0                          | 165                | Surplus: 17   | 201         | Surplus: 44           |            |
| GMENAC                       | 28.8                          | 237                | Deficit: -55  | 290         | Deficit: -45          |            |
| Kaiser Portland              | 28.1                          | 232                | Deficit: -50  | 283         | Deficit: -38          |            |
| 7 Kaiser Plans               | 30.3                          | 250                | Deficit: -68  | 305         | Deficit: -60          |            |
| GMH Seattle                  |                               |                    |               |             |                       |            |
| Three HMOs                   | 16.7                          | 138                | Surplus: 44   | 168         | Surplus: 77           |            |
| Average Requirement          | 24.2                          | 200                | Deficit: -18  | 244         | Surplus: 1            |            |

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Included Counties: Gwinnett, Newton, Rockdale

|                              |                            | 2004 Actual        |              |            | 2010 Projected        |              |
|------------------------------|----------------------------|--------------------|--------------|------------|-----------------------|--------------|
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians   |
| <b>Nephrology</b>            |                            | <b>824,430</b>     | <b>6</b>     | <b>0.7</b> | <b>1,007,211</b>      | <b>10</b>    |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       |            | Phys. Need            | Status       |
| AMA                          | 2.3                        | 19                 | Deficit: -13 |            | 23                    | Deficit: -13 |
| Two Mature HMO               | 1.4                        | 12                 | Deficit: -6  |            | 14                    | Deficit: -4  |
| Adjusted FTE                 | 1.3                        | 11                 | Deficit: -5  |            | 13                    | Deficit: -3  |
| GMENAC                       | 1.1                        | 9                  | Deficit: -3  |            | 11                    | Deficit: -1  |
| Kaiser Portland              | 0.8                        | 7                  | Deficit: -1  |            | 8                     | Surplus: 2   |
| 7 Kaiser Plans               | 0.7                        | 6                  | Adequate 0   |            | 7                     | Surplus: 3   |
| GMH Seattle                  | 0.9                        | 7                  | Deficit: -1  |            | 9                     | Surplus: 1   |
| Three HMOs                   |                            |                    |              |            |                       |              |
| Average Requirement          | 1.0                        | 8                  | Deficit: -2  |            | 10                    | Adequate 0   |
|                              |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |              |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians   |
| <b>Neurological Surgery</b>  |                            | <b>824,430</b>     | <b>4</b>     | <b>0.5</b> | <b>1,007,211</b>      | <b>5</b>     |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       |            | Phys. Need            | Status       |
| AMA                          | 1.8                        | 15                 | Deficit: -11 |            | 18                    | Deficit: -13 |
| Two Mature HMO               | 1.1                        | 9                  | Deficit: -5  |            | 11                    | Deficit: -6  |
| Adjusted FTE                 | 1.0                        | 8                  | Deficit: -4  |            | 10                    | Deficit: -5  |
| GMENAC                       | 1.1                        | 9                  | Deficit: -5  |            | 11                    | Deficit: -6  |
| Kaiser Portland              | 1.4                        | 12                 | Deficit: -8  |            | 14                    | Deficit: -9  |
| 7 Kaiser Plans               |                            |                    |              |            |                       |              |
| GMH Seattle                  | 0.4                        | 3                  | Surplus: 1   |            | 4                     | Surplus: 1   |
| Three HMOs                   |                            |                    |              |            |                       |              |
| Average Requirement          | 1.0                        | 8                  | Deficit: -4  |            | 10                    | Deficit: -5  |
|                              |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |              |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians   |
| <b>Neurology</b>             |                            | <b>824,430</b>     | <b>16</b>    | <b>1.9</b> | <b>1,007,211</b>      | <b>19</b>    |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       |            | Phys. Need            | Status       |
| AMA                          | 4.7                        | 39                 | Deficit: -23 |            | 47                    | Deficit: -28 |
| Two Mature HMO               | 2.4                        | 20                 | Deficit: -4  |            | 24                    | Deficit: -5  |
| Adjusted FTE                 | 2.3                        | 19                 | Deficit: -3  |            | 23                    | Deficit: -4  |
| GMENAC                       | 3.3                        | 27                 | Deficit: -11 |            | 33                    | Deficit: -14 |
| Kaiser Portland              | 1.3                        | 11                 | Surplus: 5   |            | 13                    | Surplus: 6   |
| 7 Kaiser Plans               | 1.7                        | 14                 | Surplus: 2   |            | 17                    | Surplus: 2   |
| GMH Seattle                  | 1.2                        | 10                 | Surplus: 6   |            | 12                    | Surplus: 7   |
| Three HMOs                   |                            |                    |              |            |                       |              |
| Average Requirement          | 2.0                        | 16                 | Adequate 0   |            | 20                    | Deficit: -1  |

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Included Counties: Gwinnett, Newton, Rockdale

|                              |                            | 2004 Actual        |              |            | 2010 Projected        |              |
|------------------------------|----------------------------|--------------------|--------------|------------|-----------------------|--------------|
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians   |
| <b>OB/GYN</b>                |                            | <b>824,430</b>     | <b>73</b>    | <b>8.9</b> | <b>1,007,211</b>      | <b>102</b>   |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       |            | Phys. Need            | Status       |
| AMA                          | 14.3                       | 118                | Deficit: -45 |            | 144                   | Deficit: -42 |
| Two Mature HMO               | 12.1                       | 100                | Deficit: -27 |            | 122                   | Deficit: -20 |
| Adjusted FTE                 | 11.3                       | 93                 | Deficit: -20 |            | 114                   | Deficit: -12 |
| GMENAC                       | 9.9                        | 82                 | Deficit: -9  |            | 100                   | Surplus: 2   |
| Kaiser Portland              | 11.6                       | 96                 | Deficit: -23 |            | 117                   | Deficit: -15 |
| 7 Kaiser Plans               | 11.1                       | 92                 | Deficit: -19 |            | 112                   | Deficit: -10 |
| GMH Seattle                  | 10.0                       | 82                 | Deficit: -9  |            | 101                   | Surplus: 1   |
| Three HMOs                   | 8.8                        | 73                 | Adequate 0   |            | 89                    | Surplus: 13  |
| Average Requirement          | 10.7                       | 88                 | Deficit: -15 |            | 108                   | Deficit: -6  |
|                              |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |              |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians   |
| <b>Ophthalmology</b>         |                            | <b>824,430</b>     | <b>19</b>    | <b>2.3</b> | <b>1,007,211</b>      | <b>24</b>    |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       |            | Phys. Need            | Status       |
| AMA                          | 6.4                        | 53                 | Deficit: -34 |            | 64                    | Deficit: -40 |
| Two Mature HMO               | 5.9                        | 49                 | Deficit: -30 |            | 59                    | Deficit: -35 |
| Adjusted FTE                 | 5.5                        | 45                 | Deficit: -26 |            | 55                    | Deficit: -31 |
| GMENAC                       | 4.6                        | 38                 | Deficit: -19 |            | 46                    | Deficit: -22 |
| Kaiser Portland              | 2.4                        | 20                 | Deficit: -1  |            | 24                    | Adequate 0   |
| 7 Kaiser Plans               | 3.1                        | 26                 | Deficit: -7  |            | 31                    | Deficit: -7  |
| GMH Seattle                  | 5.0                        | 41                 | Deficit: -22 |            | 50                    | Deficit: -26 |
| Three HMOs                   |                            |                    |              |            |                       |              |
| Average Requirement          | 4.4                        | 36                 | Deficit: -17 |            | 44                    | Deficit: -20 |
|                              |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |              |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians   |
| <b>Orthopedic Surgery</b>    |                            | <b>824,430</b>     | <b>27</b>    | <b>3.3</b> | <b>1,007,211</b>      | <b>35</b>    |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       |            | Phys. Need            | Status       |
| AMA                          | 8.1                        | 67                 | Deficit: -40 |            | 82                    | Deficit: -47 |
| Two Mature HMO               | 6.8                        | 56                 | Deficit: -29 |            | 68                    | Deficit: -33 |
| Adjusted FTE                 | 6.4                        | 53                 | Deficit: -26 |            | 64                    | Deficit: -29 |
| GMENAC                       | 6.0                        | 49                 | Deficit: -22 |            | 60                    | Deficit: -25 |
| Kaiser Portland              | 5.9                        | 49                 | Deficit: -22 |            | 59                    | Deficit: -24 |
| 7 Kaiser Plans               | 4.2                        | 35                 | Deficit: -8  |            | 42                    | Deficit: -7  |
| GMH Seattle                  | 6.7                        | 55                 | Deficit: -28 |            | 67                    | Deficit: -32 |
| Three HMOs                   | 3.0                        | 25                 | Surplus: 2   |            | 30                    | Surplus: 5   |
| Average Requirement          | 5.6                        | 46                 | Deficit: -19 |            | 56                    | Deficit: -21 |

## 3.4-East Metro PHD Physician Standard Report

Included Counties: Gwinnett, Newton, Rockdale

|                              |                            | 2004 Actual        |              |             | 2010 Projected        |            |
|------------------------------|----------------------------|--------------------|--------------|-------------|-----------------------|------------|
| Physician Specialty          |                            | Pop.               | Phys.        | /100k       | Pop.                  | Physicians |
| <b>Otolaryngology</b>        |                            | <b>824,430</b>     | <b>13</b>    | <b>1.6</b>  | <b>1,007,211</b>      | <b>15</b>  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need  | Status                |            |
| AMA                          | 3.4                        | 28                 | Deficit: -15 | 34          | Deficit: -19          |            |
| Two Mature HMO               | 3.2                        | 26                 | Deficit: -13 | 32          | Deficit: -17          |            |
| Adjusted FTE                 |                            |                    |              |             |                       |            |
| GMENAC                       | 3.2                        | 26                 | Deficit: -13 | 32          | Deficit: -17          |            |
| Kaiser Portland              | 3.4                        | 28                 | Deficit: -15 | 34          | Deficit: -19          |            |
| 7 Kaiser Plans               | 2.4                        | 20                 | Deficit: -7  | 24          | Deficit: -9           |            |
| GMH Seattle                  | 3.0                        | 25                 | Deficit: -12 | 30          | Deficit: -15          |            |
| Three HMOs                   |                            |                    |              |             |                       |            |
| Average Requirement          | 3.0                        | 25                 | Deficit: -12 | 30          | Deficit: -15          |            |
|                              |                            | <b>2004 Actual</b> |              |             | <b>2010 Projected</b> |            |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k       | Pop.                  | Physicians |
| <b>Pathology</b>             |                            | <b>824,430</b>     | <b>15</b>    | <b>1.8</b>  | <b>1,007,211</b>      | <b>19</b>  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need  | Status                |            |
| AMA                          | 6.3                        | 52                 | Deficit: -37 | 63          | Deficit: -44          |            |
| Two Mature HMO               | 1.9                        | 16                 | Deficit: -1  | 19          | Adequate 0            |            |
| Adjusted FTE                 | 1.8                        | 15                 | Adequate 0   | 18          | Surplus: 1            |            |
| GMENAC                       | 6.4                        | 53                 | Deficit: -38 | 64          | Deficit: -45          |            |
| Kaiser Portland              | 3.3                        | 27                 | Deficit: -12 | 33          | Deficit: -14          |            |
| 7 Kaiser Plans               | 1.8                        | 15                 | Adequate 0   | 18          | Surplus: 1            |            |
| GMH Seattle                  |                            |                    |              |             |                       |            |
| Three HMOs                   |                            |                    |              |             |                       |            |
| Average Requirement          | 3.0                        | 25                 | Deficit: -10 | 30          | Deficit: -11          |            |
|                              |                            | <b>2004 Actual</b> |              |             | <b>2010 Projected</b> |            |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k       | Pop.                  | Physicians |
| <b>Pediatrics</b>            |                            | <b>824,430</b>     | <b>143</b>   | <b>17.3</b> | <b>1,007,211</b>      | <b>191</b> |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need  | Status                |            |
| AMA                          | 23.9                       | 197                | Deficit: -54 | 241         | Deficit: -50          |            |
| Two Mature HMO               | 16.6                       | 137                | Surplus: 6   | 167         | Surplus: 24           |            |
| Adjusted FTE                 | 15.5                       | 128                | Surplus: 15  | 156         | Surplus: 35           |            |
| GMENAC                       | 12.4                       | 102                | Surplus: 41  | 125         | Surplus: 66           |            |
| Kaiser Portland              | 11.9                       | 98                 | Surplus: 45  | 120         | Surplus: 71           |            |
| 7 Kaiser Plans               | 16.1                       | 133                | Surplus: 10  | 162         | Surplus: 29           |            |
| GMH Seattle                  |                            |                    |              |             |                       |            |
| Three HMOs                   | 9.8                        | 81                 | Surplus: 62  | 99          | Surplus: 92           |            |
| Average Requirement          | 13.7                       | 113                | Surplus: 30  | 138         | Surplus: 53           |            |

## 3.4-East Metro PHD Physician Standard Report

Included Counties: Gwinnett, Newton, Rockdale

|                              |                            | 2004 Actual    |              |            | 2010 Projected   |               |  |
|------------------------------|----------------------------|----------------|--------------|------------|------------------|---------------|--|
| Physician Specialty          |                            | Pop.           | Phys.        | /100k      | Pop.             | Physicians    |  |
| <b>Plastic Surgery</b>       |                            | <b>824,430</b> | <b>8</b>     | <b>1.0</b> | <b>1,007,211</b> | <b>11</b>     |  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need     | Status       |            | Phys. Need       | Status        |  |
| AMA                          | 2.3                        | 19             | Deficit: -11 |            | 23               | Deficit: -12  |  |
| Two Mature HMO               |                            |                |              |            |                  |               |  |
| Adjusted FTE                 |                            |                |              |            |                  |               |  |
| GMENAC                       | 1.1                        | 9              | Deficit: -1  |            | 11               | Adequate 0    |  |
| Kaiser Portland              | 0.3                        | 2              | Surplus: 6   |            | 3                | Surplus: 8    |  |
| 7 Kaiser Plans               |                            |                |              |            |                  |               |  |
| GMH Seattle                  | 0.4                        | 3              | Surplus: 5   |            | 4                | Surplus: 7    |  |
| Three HMOs                   |                            |                |              |            |                  |               |  |
| Average Requirement          | 0.6                        | 5              | Surplus: 3   |            | 6                | Surplus: 5    |  |
|                              |                            | 2004 Actual    |              |            | 2010 Projected   |               |  |
| Physician Specialty          |                            | Pop.           | Phys.        | /100k      | Pop.             | Physicians    |  |
| <b>Psychiatry</b>            |                            | <b>824,430</b> | <b>41</b>    | <b>5.0</b> | <b>1,007,211</b> | <b>48</b>     |  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need     | Status       |            | Phys. Need       | Status        |  |
| AMA                          | 13.7                       | 113            | Deficit: -72 |            | 138              | Deficit: -90  |  |
| Two Mature HMO               |                            |                |              |            |                  |               |  |
| Adjusted FTE                 |                            |                |              |            |                  |               |  |
| GMENAC                       | 15.4                       | 127            | Deficit: -86 |            | 155              | Deficit: -107 |  |
| Kaiser Portland              | 5.2                        | 43             | Deficit: -2  |            | 52               | Deficit: -4   |  |
| 7 Kaiser Plans               | 4.1                        | 34             | Surplus: 7   |            | 41               | Surplus: 7    |  |
| GMH Seattle                  |                            |                |              |            |                  |               |  |
| Three HMOs                   |                            |                |              |            |                  |               |  |
| Average Requirement          | 7.1                        | 59             | Deficit: -18 |            | 72               | Deficit: -24  |  |
|                              |                            | 2004 Actual    |              |            | 2010 Projected   |               |  |
| Physician Specialty          |                            | Pop.           | Phys.        | /100k      | Pop.             | Physicians    |  |
| <b>Pulmonary Diseases</b>    |                            | <b>824,430</b> | <b>5</b>     | <b>0.6</b> | <b>1,007,211</b> | <b>7</b>      |  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need     | Status       |            | Phys. Need       | Status        |  |
| AMA                          | 3.3                        | 27             | Deficit: -22 |            | 33               | Deficit: -26  |  |
| Two Mature HMO               |                            |                |              |            |                  |               |  |
| Adjusted FTE                 |                            |                |              |            |                  |               |  |
| GMENAC                       | 1.4                        | 12             | Deficit: -7  |            | 14               | Deficit: -7   |  |
| Kaiser Portland              | 1.4                        | 12             | Deficit: -7  |            | 14               | Deficit: -7   |  |
| 7 Kaiser Plans               | 1.0                        | 8              | Deficit: -3  |            | 10               | Deficit: -3   |  |
| GMH Seattle                  | 1.4                        | 12             | Deficit: -7  |            | 14               | Deficit: -7   |  |
| Three HMOs                   |                            |                |              |            |                  |               |  |
| Average Requirement          | 1.5                        | 12             | Deficit: -7  |            | 15               | Deficit: -8   |  |



## 3.4-East Metro PHD Physician Standard Report

Included Counties: Gwinnett, Newton, Rockdale

|                              |                            | 2004 Actual        |              |            | 2010 Projected        |            |
|------------------------------|----------------------------|--------------------|--------------|------------|-----------------------|------------|
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>Radiology</b>             |                            | <b>824,430</b>     | <b>24</b>    | <b>2.9</b> | <b>1,007,211</b>      | <b>31</b>  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                          | 3.0                        | 25                 | Deficit: -1  | 30         | Surplus: 1            |            |
| Two Mature HMO               | 13.6                       | 112                | Deficit: -88 | 137        | Deficit: -106         |            |
| Adjusted FTE                 | 13.7                       | 113                | Deficit: -89 | 138        | Deficit: -107         |            |
| GMENAC                       | 7.7                        | 63                 | Deficit: -39 | 78         | Deficit: -47          |            |
| Kaiser Portland              | 8.5                        | 70                 | Deficit: -46 | 86         | Deficit: -55          |            |
| 7 Kaiser Plans               | 4.7                        | 39                 | Deficit: -15 | 47         | Deficit: -16          |            |
| GMH Seattle                  | 7.7                        | 63                 | Deficit: -39 | 78         | Deficit: -47          |            |
| Three HMOs                   |                            |                    |              |            |                       |            |
| Average Requirement          | 9.3                        | 77                 | Deficit: -53 | 94         | Deficit: -63          |            |
|                              |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |            |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>Rheumatology</b>          |                            | <b>824,430</b>     | <b>4</b>     | <b>0.5</b> | <b>1,007,211</b>      | <b>5</b>   |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                          | 1.4                        | 12                 | Deficit: -8  | 14         | Deficit: -9           |            |
| Two Mature HMO               | 1.1                        | 9                  | Deficit: -5  | 11         | Deficit: -6           |            |
| Adjusted FTE                 | 1.0                        | 8                  | Deficit: -4  | 10         | Deficit: -5           |            |
| GMENAC                       | 0.7                        | 6                  | Deficit: -2  | 7          | Deficit: -2           |            |
| Kaiser Portland              | 0.4                        | 3                  | Surplus: 1   | 4          | Surplus: 1            |            |
| 7 Kaiser Plans               | 0.7                        | 6                  | Deficit: -2  | 7          | Deficit: -2           |            |
| GMH Seattle                  | 0.7                        | 6                  | Deficit: -2  | 7          | Deficit: -2           |            |
| Three HMOs                   |                            |                    |              |            |                       |            |
| Average Requirement          | 0.8                        | 7                  | Deficit: -3  | 8          | Deficit: -3           |            |
|                              |                            | <b>2004 Actual</b> |              |            | <b>2010 Projected</b> |            |
| Physician Specialty          |                            | Pop.               | Phys.        | /100k      | Pop.                  | Physicians |
| <b>General Surgery</b>       |                            | <b>824,430</b>     | <b>30</b>    | <b>3.6</b> | <b>1,007,211</b>      | <b>35</b>  |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need         | Status       | Phys. Need | Status                |            |
| AMA                          | 12.8                       | 106                | Deficit: -76 | 129        | Deficit: -94          |            |
| Two Mature HMO               | 9.4                        | 77                 | Deficit: -47 | 95         | Deficit: -60          |            |
| Adjusted FTE                 | 8.8                        | 73                 | Deficit: -43 | 89         | Deficit: -54          |            |
| GMENAC                       | 9.7                        | 80                 | Deficit: -50 | 98         | Deficit: -63          |            |
| Kaiser Portland              | 7.0                        | 58                 | Deficit: -28 | 71         | Deficit: -36          |            |
| 7 Kaiser Plans               | 6.2                        | 51                 | Deficit: -21 | 62         | Deficit: -27          |            |
| GMH Seattle                  | 5.9                        | 49                 | Deficit: -19 | 59         | Deficit: -24          |            |
| Three HMOs                   | 4.2                        | 35                 | Deficit: -5  | 42         | Deficit: -7           |            |
| Average Requirement          | 7.3                        | 60                 | Deficit: -30 | 74         | Deficit: -39          |            |

## 3.4-East Metro PHD Physician Standard Report

Included Counties: Gwinnett, Newton, Rockdale

|                              |                            | 2004 Actual    |              |            | 2010 Projected   |              |
|------------------------------|----------------------------|----------------|--------------|------------|------------------|--------------|
| Physician Specialty          |                            | Pop.           | Phys.        | /100k      | Pop.             | Physicians   |
| <b>Thoracic Surgery</b>      |                            | <b>824,430</b> | <b>1</b>     | <b>0.1</b> | <b>1,007,211</b> | <b>1</b>     |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need     | Status       |            | Phys. Need       | Status       |
| AMA                          | 1.7                        | 14             | Deficit: -13 |            | 17               | Deficit: -16 |
| Two Mature HMO               |                            |                |              |            |                  |              |
| Adjusted FTE                 |                            |                |              |            |                  |              |
| GMENAC                       | 0.8                        | 7              | Deficit: -6  |            | 8                | Deficit: -7  |
| Kaiser Portland              |                            |                |              |            |                  |              |
| 7 Kaiser Plans               | 0.1                        | 1              | Adequate 0   |            | 1                | Adequate 0   |
| GMH Seattle                  |                            |                |              |            |                  |              |
| Three HMOs                   |                            |                |              |            |                  |              |
| Average Requirement          | 0.5                        | 4              | Deficit: -3  |            | 5                | Deficit: -4  |
|                              |                            | 2004 Actual    |              |            | 2010 Projected   |              |
| Physician Specialty          |                            | Pop.           | Phys.        | /100k      | Pop.             | Physicians   |
| <b>Urology</b>               |                            | <b>824,430</b> | <b>14</b>    | <b>1.7</b> | <b>1,007,211</b> | <b>15</b>    |
| National Physician Standards | Standard Phys/100,000 Pop. | Phys. Need     | Status       |            | Phys. Need       | Status       |
| AMA                          | 3.6                        | 30             | Deficit: -16 |            | 36               | Deficit: -21 |
| Two Mature HMO               |                            |                |              |            |                  |              |
| Adjusted FTE                 |                            |                |              |            |                  |              |
| GMENAC                       | 3.1                        | 26             | Deficit: -12 |            | 31               | Deficit: -16 |
| Kaiser Portland              |                            |                |              |            |                  |              |
| 7 Kaiser Plans               | 2.3                        | 19             | Deficit: -5  |            | 23               | Deficit: -8  |
| GMH Seattle                  |                            |                |              |            |                  |              |
| Three HMOs                   |                            |                |              |            |                  |              |
| Average Requirement          | 3.1                        | 26             | Deficit: -12 |            | 31               | Deficit: -16 |

## 3.4-East Metro PHD Physician Standard Report

Included Counties: Gwinnett, Newton, Rockdale

Report created by Georgia Board for Physician Workforce, State of Georgia

\*Standards are presented as rates per 100,000 population.

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