## Minnesota Physician Workforce Profile

<table>
<thead>
<tr>
<th>2</th>
<th>State Population:</th>
<th>5,611,179</th>
<th>Total Female Physicians:</th>
<th>6,315</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Population ≤ age 21</td>
<td>1,586,143</td>
<td>Total MD or DO Students:</td>
<td>1,359</td>
</tr>
<tr>
<td>1</td>
<td>Total Active Physicians:</td>
<td>16,984</td>
<td>Total Residents:</td>
<td>2,349</td>
</tr>
<tr>
<td>8</td>
<td>Primary Care Physicians:</td>
<td>5,886</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Minnesota Physician Workforce Profile</th>
<th>MN</th>
<th>MN Rank</th>
<th>State Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Physicians per 100,000 Population, 2018</td>
<td>302.7</td>
<td>13</td>
<td>257.6</td>
</tr>
<tr>
<td>Total Active Patient Care Physicians per 100,000 Population, 2018</td>
<td>265.0</td>
<td>13</td>
<td>227.2</td>
</tr>
<tr>
<td>Active Primary Care Physicians per 100,000 Population, 2018</td>
<td>104.9</td>
<td>12</td>
<td>90.8</td>
</tr>
<tr>
<td>Active Patient Care Primary Care Physicians per 100,000 Population, 2018</td>
<td>96.0</td>
<td>10</td>
<td>82.5</td>
</tr>
<tr>
<td>Active General Surgeons per 100,000 Population, 2018</td>
<td>7.4</td>
<td>28</td>
<td>7.7</td>
</tr>
<tr>
<td>Active Patient Care General Surgeons per 100,000 Population, 2018</td>
<td>6.6</td>
<td>30</td>
<td>6.9</td>
</tr>
<tr>
<td>Percentage of Active Physicians Who Are Female, 2018</td>
<td>37.2%</td>
<td>17</td>
<td>33.8%</td>
</tr>
<tr>
<td>Percentage of Active Physicians Who Are International Medical Graduates (IMGs), 2018</td>
<td>17.2%</td>
<td>33</td>
<td>19.1%</td>
</tr>
<tr>
<td>Percentage of Active Physicians Who Are Age 60 or Older, 2018</td>
<td>27.9%</td>
<td>49</td>
<td>30.3%</td>
</tr>
<tr>
<td>MD and DO Student Enrollment per 100,000 Population, AY 2018-2019</td>
<td>24.2</td>
<td>41</td>
<td>32.7</td>
</tr>
<tr>
<td>Student Enrollment at Public MD and DO Schools per 100,000 Population, AY 2018-2019</td>
<td>18.1</td>
<td>24</td>
<td>21.2</td>
</tr>
<tr>
<td>Percentage Change in Student Enrollment at MD and DO Schools, 2008-2018</td>
<td>29.7%</td>
<td>25</td>
<td>24.6%</td>
</tr>
<tr>
<td>Percentage of MD Students Matriculating In-State, AY 2018-2019</td>
<td>54.3%</td>
<td>31</td>
<td>65.6%</td>
</tr>
<tr>
<td>Total Residents/Fellows in ACGME Programs per 100,000 Population as of December 31, 2018</td>
<td>41.9</td>
<td>15</td>
<td>28.1</td>
</tr>
<tr>
<td>Total Residents/Fellows in Primary Care ACGME Programs per 100,000 Population as of Dec. 31, 2018</td>
<td>13.4</td>
<td>19</td>
<td>10.6</td>
</tr>
<tr>
<td>Percentage of Residents in ACGME Programs Who Are IMGs as of December 31, 2018</td>
<td>17.5%</td>
<td>34</td>
<td>20.5%</td>
</tr>
<tr>
<td>Ratio of Residents and Fellows (GME) to Medical Students (UME), AY 2017-2018</td>
<td>1.7</td>
<td>4</td>
<td>1.0</td>
</tr>
<tr>
<td>Percent Change in Residents and Fellows in ACGME-Accredited Programs, 2008-2018</td>
<td>7.0%</td>
<td>46</td>
<td>17.6%</td>
</tr>
<tr>
<td>Percentage of Physicians Retained in State from Undergraduate Medical Education (UME), 2018</td>
<td>52.0%</td>
<td>5</td>
<td>38.5%</td>
</tr>
<tr>
<td>Percentage of Physicians Retained in State from Public UME, 2018</td>
<td>54.9%</td>
<td>4</td>
<td>44.1%</td>
</tr>
<tr>
<td>Percentage of Physicians Retained in State from Graduate Medical Education (GME), 2018</td>
<td>45.1%</td>
<td>24</td>
<td>44.9%</td>
</tr>
<tr>
<td>Percentage of Physicians Retained in State from UME and GME Combined, 2018</td>
<td>74.6%</td>
<td>14</td>
<td>69.0%</td>
</tr>
</tbody>
</table>

State Rank: How the state ranks compared to the other 49. Rank of 1 goes to the state with the highest value for the category.
State Median: The value in the middle of the 50 states, with 25 states above the median and 25 states below (excludes the District of Columbia and Puerto Rico).
Source: 2019 State Physician Workforce Data Report

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## Minnesota Physician Workforce Profile

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Total Active Physicians</th>
<th>People Per Physician</th>
<th>Female Number</th>
<th>Female Percent</th>
<th>Age 60 or Older Number</th>
<th>Age 60 or Older Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Specialties</td>
<td>16,984</td>
<td>330</td>
<td>6,315</td>
<td>37.2</td>
<td>4,731</td>
<td>27.9</td>
</tr>
<tr>
<td>Allergy &amp; Immunology</td>
<td>74</td>
<td>75,827</td>
<td>23</td>
<td>31.1</td>
<td>100</td>
<td>43.1</td>
</tr>
<tr>
<td>Anatomic/Clinical Pathology</td>
<td>232</td>
<td>24,186</td>
<td>89</td>
<td>38.4</td>
<td>100</td>
<td>43.1</td>
</tr>
<tr>
<td>Anesthesiology</td>
<td>579</td>
<td>9,691</td>
<td>128</td>
<td>22.1</td>
<td>214</td>
<td>37.0</td>
</tr>
<tr>
<td>Cardiovascular Disease</td>
<td>416</td>
<td>13,488</td>
<td>80</td>
<td>19.2</td>
<td>157</td>
<td>37.7</td>
</tr>
<tr>
<td>Child &amp; Adolescent Psychiatry**</td>
<td>142</td>
<td>11,170</td>
<td>73</td>
<td>51.4</td>
<td>34</td>
<td>23.9</td>
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<tr>
<td>Critical Care Medicine</td>
<td>270</td>
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<td>73</td>
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<td>19</td>
<td>7.0</td>
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<tr>
<td>Dermatology</td>
<td>209</td>
<td>26,846</td>
<td>126</td>
<td>60.3</td>
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<td>23.4</td>
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<tr>
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<td>219</td>
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<td>157</td>
<td>20.4</td>
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<tr>
<td>Endocrinology, Diabetes &amp; Metabolism</td>
<td>138</td>
<td>40,661</td>
<td>64</td>
<td>46.7</td>
<td>38</td>
<td>27.5</td>
</tr>
<tr>
<td>Family Medicine/General Practice</td>
<td>2,991</td>
<td>1,876</td>
<td>1,331</td>
<td>44.5</td>
<td>945</td>
<td>31.6</td>
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<tr>
<td>Gastroenterology</td>
<td>272</td>
<td>20,629</td>
<td>55</td>
<td>20.3</td>
<td>83</td>
<td>30.5</td>
</tr>
<tr>
<td>General Surgery</td>
<td>416</td>
<td>13,488</td>
<td>103</td>
<td>24.8</td>
<td>127</td>
<td>30.5</td>
</tr>
<tr>
<td>Geriatric Medicine***</td>
<td>100</td>
<td>*</td>
<td>40</td>
<td>40.0</td>
<td>37</td>
<td>37.0</td>
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<tr>
<td>Hematology &amp; Oncology</td>
<td>324</td>
<td>17,318</td>
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<td>86</td>
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<tr>
<td>Infectious Disease</td>
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<td>37,408</td>
<td>57</td>
<td>38.0</td>
<td>41</td>
<td>27.3</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>1,719</td>
<td>3,264</td>
<td>673</td>
<td>39.2</td>
<td>506</td>
<td>29.5</td>
</tr>
<tr>
<td>Internal Medicine/Pediatrics</td>
<td>187</td>
<td>30,006</td>
<td>100</td>
<td>53.5</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Interventional Cardiology</td>
<td>75</td>
<td>74,816</td>
<td>10</td>
<td>13.5</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Neonatal-Perinatal Medicine</td>
<td>63</td>
<td>89,066</td>
<td>39</td>
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<td>17</td>
<td>27.0</td>
</tr>
<tr>
<td>Nephrology</td>
<td>182</td>
<td>30,831</td>
<td>56</td>
<td>30.8</td>
<td>47</td>
<td>25.8</td>
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<tr>
<td>Neurological Surgery</td>
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<td>63,763</td>
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<td>17.0</td>
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<td>25.0</td>
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<tr>
<td>Neurology</td>
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<td>19,282</td>
<td>85</td>
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<td>117</td>
<td>40.2</td>
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<tr>
<td>Neuroradiology</td>
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<td>43,837</td>
<td>24</td>
<td>18.8</td>
<td>13</td>
<td>10.2</td>
</tr>
<tr>
<td>Obstetrics &amp; Gynecology</td>
<td>691</td>
<td>8,120</td>
<td>463</td>
<td>67.0</td>
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<td>25.8</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>286</td>
<td>19,620</td>
<td>81</td>
<td>28.3</td>
<td>89</td>
<td>31.1</td>
</tr>
<tr>
<td>Orthopedic Surgery</td>
<td>375</td>
<td>14,963</td>
<td>34</td>
<td>9.1</td>
<td>151</td>
<td>40.3</td>
</tr>
<tr>
<td>Otolaryngology</td>
<td>151</td>
<td>37,160</td>
<td>41</td>
<td>27.2</td>
<td>43</td>
<td>28.5</td>
</tr>
<tr>
<td>Pain Medicine &amp; Pain Management</td>
<td>75</td>
<td>74,816</td>
<td>22</td>
<td>26.3</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Pediatrics**</td>
<td>883</td>
<td>1,796</td>
<td>602</td>
<td>68.2</td>
<td>231</td>
<td>26.2</td>
</tr>
<tr>
<td>Physical Medicine &amp; Rehabilitation</td>
<td>195</td>
<td>28,775</td>
<td>78</td>
<td>40.0</td>
<td>56</td>
<td>28.7</td>
</tr>
<tr>
<td>Plastic Surgery</td>
<td>96</td>
<td>58,450</td>
<td>18</td>
<td>18.8</td>
<td>34</td>
<td>35.4</td>
</tr>
<tr>
<td>Preventive Medicine</td>
<td>133</td>
<td>42,189</td>
<td>51</td>
<td>38.6</td>
<td>74</td>
<td>55.6</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>561</td>
<td>9,658</td>
<td>220</td>
<td>37.9</td>
<td>236</td>
<td>40.6</td>
</tr>
<tr>
<td>Pulmonary Disease</td>
<td>67</td>
<td>83,749</td>
<td>13</td>
<td>19.4</td>
<td>55</td>
<td>82.1</td>
</tr>
<tr>
<td>Radiation Oncology</td>
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<td>59,693</td>
<td>27</td>
<td>28.7</td>
<td>31</td>
<td>33.0</td>
</tr>
<tr>
<td>Radiology &amp; Diagnostic Radiology</td>
<td>743</td>
<td>7,552</td>
<td>194</td>
<td>26.1</td>
<td>215</td>
<td>28.9</td>
</tr>
<tr>
<td>Rheumatology</td>
<td>107</td>
<td>52,441</td>
<td>45</td>
<td>42.1</td>
<td>36</td>
<td>33.6</td>
</tr>
<tr>
<td>Sports Medicine</td>
<td>90</td>
<td>62,346</td>
<td>27</td>
<td>30.0</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Thoracic Surgery</td>
<td>76</td>
<td>73,831</td>
<td>1</td>
<td>1</td>
<td>25</td>
<td>32.9</td>
</tr>
<tr>
<td>Urology</td>
<td>166</td>
<td>33,802</td>
<td>21</td>
<td>12.7</td>
<td>58</td>
<td>34.9</td>
</tr>
<tr>
<td>Vascular &amp; Interventional Radiology</td>
<td>80</td>
<td>70,140</td>
<td>12</td>
<td>15.0</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Vascular Surgery</td>
<td>70</td>
<td>80,160</td>
<td>10</td>
<td>14.5</td>
<td>12</td>
<td>17.1</td>
</tr>
</tbody>
</table>

Sources: AMA Physician Masterfile (December 31, 2018), Population estimates as of July 1, 2018 are from the U.S. Census Bureau (Release date: December 2018)

* Counts for specialties with fewer than 10 physicians are not shown

** Only those 21 years or younger are included in People Per Physician

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# Minnesota Physician Workforce Profile

<table>
<thead>
<tr>
<th></th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Primary Care Physicians:</td>
<td>5,886</td>
<td></td>
</tr>
</tbody>
</table>

## State Where GME Was Completed for All Active Physicians in State

<table>
<thead>
<tr>
<th>State Where GME Was Completed for All Active Physicians in State</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minnesota</td>
<td>8,662</td>
<td>54%</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>723</td>
<td>5%</td>
</tr>
<tr>
<td>New York</td>
<td>613</td>
<td>4%</td>
</tr>
<tr>
<td>Michigan</td>
<td>548</td>
<td>3%</td>
</tr>
<tr>
<td>Illinois</td>
<td>467</td>
<td>3%</td>
</tr>
<tr>
<td>California</td>
<td>458</td>
<td>3%</td>
</tr>
<tr>
<td>Ohio</td>
<td>414</td>
<td>3%</td>
</tr>
<tr>
<td>Iowa</td>
<td>395</td>
<td>2%</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>348</td>
<td>2%</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>337</td>
<td>2%</td>
</tr>
<tr>
<td>All other states</td>
<td>3,084</td>
<td>19%</td>
</tr>
</tbody>
</table>

## Practice Location of Physicians Who Completed GME in State

<table>
<thead>
<tr>
<th>Practice Location of Physicians Who Completed GME in State</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minnesota</td>
<td>8,662</td>
<td>45%</td>
</tr>
<tr>
<td>Florida</td>
<td>864</td>
<td>5%</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>860</td>
<td>4%</td>
</tr>
<tr>
<td>California</td>
<td>853</td>
<td>4%</td>
</tr>
<tr>
<td>Arizona</td>
<td>614</td>
<td>3%</td>
</tr>
<tr>
<td>Texas</td>
<td>586</td>
<td>3%</td>
</tr>
<tr>
<td>Washington</td>
<td>404</td>
<td>2%</td>
</tr>
<tr>
<td>Illinois</td>
<td>396</td>
<td>2%</td>
</tr>
<tr>
<td>Michigan</td>
<td>325</td>
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<td>Colorado</td>
<td>309</td>
<td>2%</td>
</tr>
<tr>
<td>All other states</td>
<td>5,264</td>
<td>28%</td>
</tr>
</tbody>
</table>

**Notes:**

GME = Graduate Medical Education

"All other states“ includes physicians who completed GME in Canada.

Source: AMA Physician Masterfile (December 31, 2018)