**Table e-1. Demographic characteristics of survey respondents and non-respondents**

<table>
<thead>
<tr>
<th>Demographic characteristics¹</th>
<th>Respondents (n = 1,673)²</th>
<th>Non-Respondents (n = 2,454)³</th>
<th>Significance testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender¹</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Men</td>
<td>65.4*</td>
<td>69.1</td>
<td>p = 0.012⁵</td>
</tr>
<tr>
<td>Women</td>
<td>34.6*</td>
<td>30.9</td>
<td></td>
</tr>
<tr>
<td>Age²</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; 40</td>
<td>21.8</td>
<td>22.0</td>
<td>p = 0.100⁵</td>
</tr>
<tr>
<td>40-49</td>
<td>24.9</td>
<td>28.3</td>
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</tr>
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<td>50-59</td>
<td>25.8</td>
<td>24.1</td>
<td></td>
</tr>
<tr>
<td>60-69</td>
<td>20.4</td>
<td>18.4</td>
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</tr>
<tr>
<td>70+</td>
<td>7.1</td>
<td>7.2</td>
<td></td>
</tr>
<tr>
<td>Region²</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northeast</td>
<td>23.4*</td>
<td>26.6</td>
<td>p = 0.017⁵</td>
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<td>Midwest</td>
<td>23.5*</td>
<td>19.9</td>
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</tr>
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<td>South</td>
<td>30.6</td>
<td>32.1</td>
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</tr>
<tr>
<td>West</td>
<td>21.8</td>
<td>20.9</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>0.8</td>
<td>0.5</td>
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<td>Work Setting³</td>
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<td>p &lt; 0.004⁵</td>
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<tr>
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<td>22.2</td>
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<td>Multispecialty Group</td>
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<td>Academic-Based</td>
<td>31.0</td>
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<td>9.8</td>
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<td>Government-Based</td>
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<td>4.1</td>
<td></td>
</tr>
<tr>
<td>Other</td>
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<td>6.9</td>
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<td>Primary subspecialty²</td>
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<td>2.6</td>
<td>2.6</td>
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<tr>
<td>Child Neurology</td>
<td>9.3*</td>
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<tr>
<td>Clinical Neurophysiology</td>
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<td>3.1</td>
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<td>10.1</td>
<td></td>
</tr>
<tr>
<td>General Neurology</td>
<td>33.5</td>
<td>32.1</td>
<td></td>
</tr>
<tr>
<td>Headache Medicine</td>
<td>3.0</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Movement Disorders</td>
<td>7.1</td>
<td>5.8</td>
<td></td>
</tr>
<tr>
<td>Neurocritical Care</td>
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<td>2.3</td>
<td></td>
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<td>2.3</td>
<td>1.6</td>
<td></td>
</tr>
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<td>Neuroimmunology and Multiple Sclerosis</td>
<td>2.3</td>
<td>2.2</td>
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<td>Neuromuscular Medicine</td>
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<td>6.4</td>
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</tr>
<tr>
<td>Sleep Medicine</td>
<td>4.8</td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td>Vascular Neurology and Stroke</td>
<td>5.4*</td>
<td>7.4</td>
<td></td>
</tr>
<tr>
<td>Other</td>
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<td>12.0</td>
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</tbody>
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¹Demographic data sourced from the AAN membership database rather than from the survey
²No missing data
³Respondent missing = 115 and non-respondents missing = 389
⁴Two additional respondents were classified as neurologists based on the demographics from the AAN membership database (1,673) rather than from the survey (1,671)
⁵Pearson Chi-Square

*This paired comparison (z-test using Bonferroni correction) was significant at p < .05.
<table>
<thead>
<tr>
<th>Subspecialty %</th>
<th>Men (N=1,091)</th>
<th>Women (N=580)</th>
<th>P value comparison M to W</th>
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<td>General Neurology</td>
<td>36.6</td>
<td>23.6&lt;sup&gt;c&lt;/sup&gt;</td>
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<tr>
<td>Other</td>
<td>8.5</td>
<td>12.1&lt;sup&gt;c&lt;/sup&gt;</td>
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<tr>
<td>Epilepsy</td>
<td>7.8</td>
<td>9.4</td>
<td></td>
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<tr>
<td>Child Neurology</td>
<td>7.1</td>
<td>10.4&lt;sup&gt;c&lt;/sup&gt;</td>
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</tr>
<tr>
<td>Movement Disorders</td>
<td>6.3</td>
<td>9.4&lt;sup&gt;c&lt;/sup&gt;</td>
<td></td>
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<td>Vascular Neurology and Stroke</td>
<td>7.2</td>
<td>5.6</td>
<td></td>
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<tr>
<td>Neuromuscular Medicine</td>
<td>6.1</td>
<td>4.6</td>
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<td>Headache Medicine</td>
<td>3.4</td>
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<tr>
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<td>2.9</td>
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<td>Sleep Medicine</td>
<td>3.1</td>
<td>4.0</td>
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<td>Behavioral Neurology and Neuropsychiatry</td>
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<td>2.3</td>
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<td>Compensation method %</td>
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<tr>
<td>Salary plus bonus</td>
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<td>43.8&lt;sup&gt;c&lt;/sup&gt;</td>
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<td>Production-based income</td>
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<td>21.8&lt;sup&gt;c&lt;/sup&gt;</td>
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<td>25</td>
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<tr>
<td>Hours worked per week</td>
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<td></td>
<td>&lt;0.001</td>
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<tr>
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<td>56.4 (16.1)</td>
<td>54.2 (16.7)</td>
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</tr>
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<td>55</td>
<td>52</td>
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<tr>
<td>% time devoted to clinical practice</td>
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<td>75.5 (24.0)</td>
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<tr>
<td>% time devoted to research</td>
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<td>7.6 (17.1)</td>
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<tr>
<td>Median</td>
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<td>0</td>
<td></td>
</tr>
<tr>
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<td>18</td>
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<tr>
<td>% time devoted to teaching</td>
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<td>Mean (SD)</td>
<td>5.7 (8.9)</td>
<td>6.3 (9.0)</td>
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<tr>
<td>Median</td>
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<td>5</td>
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</tr>
<tr>
<td>Missing, count</td>
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<td>18</td>
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<tr>
<td>% time devoted to administration</td>
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<td>Mean (SD)</td>
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<td>8.8 (12.4)</td>
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</tr>
<tr>
<td>Median</td>
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<td>5</td>
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</tr>
<tr>
<td>Missing, count</td>
<td>34</td>
<td>18</td>
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</tr>
<tr>
<td>% time devoted to other</td>
<td></td>
<td></td>
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<tr>
<td>------------------------</td>
<td>----------</td>
<td>----------</td>
<td></td>
</tr>
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<td>Mean (SD)</td>
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<td>2.1 (10.7)</td>
<td>0.351</td>
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</tr>
<tr>
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<td>34</td>
<td>18</td>
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</table>

<table>
<thead>
<tr>
<th>Nights on call/week</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean (SD)</td>
<td>2.0 (2.3)</td>
<td>2.0 (2.3)</td>
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<tr>
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<td>1</td>
</tr>
<tr>
<td>Missing, count</td>
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<td>39</td>
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<table>
<thead>
<tr>
<th>Outpatients in clinic per week</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Mean (SD)</td>
<td>44.9 (32.4)</td>
<td>38.5 (28.4)</td>
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<td>Median</td>
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<td>36</td>
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<table>
<thead>
<tr>
<th>Inpatients on average hospital day</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean (SD)</td>
<td>6.1 (8.3)</td>
<td>6.7 (8.1)</td>
</tr>
<tr>
<td>Median</td>
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<td>5</td>
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<tr>
<td>Missing, count</td>
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<td>27</td>
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<table>
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<th>Weekends rounded in hospital</th>
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<tr>
<td>Mean (SD)</td>
<td>10.2 (11.1)</td>
<td>9.5 (9.6)</td>
</tr>
<tr>
<td>Median</td>
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<td>8</td>
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<tr>
<td>Missing, count</td>
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<table>
<thead>
<tr>
<th>Hours volunteering per month</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Mean (SD)</td>
<td>3.4 (6.7)</td>
<td>3.0 (5.5)</td>
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<tr>
<td>Median</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Missing, count</td>
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</table>

\(^a\) Comparisons tested using Kruskal-Wallis for continuous variables and chi-square for
categorical variables.

\(^b\) Subspecialties with fewer than 30 cases (including Endovascular & Interventional Neurology)
were added to the Other category.

\(^c\) This paired comparison (z-test) was found to be significant at a p < 0.05 level.
<table>
<thead>
<tr>
<th>Table e-3: Workload in Men and Women within each Age Category</th>
<th>Men</th>
<th>Women</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>Mean</td>
</tr>
<tr>
<td><strong>Hours per week by Age</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;40</td>
<td>156</td>
<td>59.9</td>
</tr>
<tr>
<td>40-49</td>
<td>219</td>
<td>57.8</td>
</tr>
<tr>
<td>50-59</td>
<td>289</td>
<td>58.6</td>
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<td>60-69</td>
<td>269</td>
<td>55.2</td>
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<tr>
<td>70+</td>
<td>118</td>
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<td><strong>Total</strong></td>
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<tr>
<td><strong>Outpatients per week by Age</strong></td>
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<tr>
<td>&lt;40</td>
<td>156</td>
<td>35.1</td>
</tr>
<tr>
<td>40-49</td>
<td>218</td>
<td>46.5</td>
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<tr>
<td>50-59</td>
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<td>50.6</td>
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<td>60-69</td>
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<tr>
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<td>116</td>
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<td><strong>Total</strong></td>
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<td><strong>Inpatients per day by Age</strong></td>
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<td>&lt;40</td>
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<td>7.9</td>
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<td>40-49</td>
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<tr>
<td>50-59</td>
<td>292</td>
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<td><strong>Total</strong></td>
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<td>6.1</td>
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<tr>
<td><strong>Weekends per year by Age</strong></td>
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<td>40-49</td>
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<td>11.7</td>
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<td>50-59</td>
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<td>60-69</td>
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<td>9.5</td>
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<tr>
<td>70+</td>
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<td><strong>Total</strong></td>
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<td>10.2</td>
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<tr>
<td><strong>Hours volunteering per month by Age</strong></td>
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<td></td>
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<td>40-49</td>
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<td>50-59</td>
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<td>60-69</td>
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<td>3.3</td>
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<tr>
<td>70+</td>
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<td><strong>Total</strong></td>
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</table>

a Gender comparison (z-test) was found to be significant at a p < 0.05 level.
b Gender comparison (Kruskal-Wallis) was found to be significant at a p < 0.05 level.
<table>
<thead>
<tr>
<th></th>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physician again by Age, % Yes</strong></td>
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<td></td>
</tr>
<tr>
<td>&lt;40</td>
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<tr>
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<td>61.3</td>
</tr>
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<td>60-69</td>
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<td>68.8</td>
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<tr>
<td>70+</td>
<td>77.1</td>
<td>70.0</td>
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<td>Total</td>
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<td>54.8b</td>
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<td><strong>Job satisfaction by Age, % Agree</strong></td>
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<td>Age Group</td>
<td>Amount of DIRECT clerical tasks by Age, % Agree is reasonable</td>
<td>Amount of INDIRECT clerical tasks by Age, % Agree is reasonable</td>
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*Gender comparison (z-test) was found to be significant at a p < 0.05 level.*

*Gender comparison (chi-square) was found to be significant at a p < 0.05 level.*
<table>
<thead>
<tr>
<th>Age Category</th>
<th>Count</th>
<th>% Men</th>
<th>% Women</th>
<th>P value comparison M to W&lt;sup&gt;a&lt;/sup&gt;</th>
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<td>423</td>
<td>73.3</td>
<td>26.7</td>
<td>&lt;0.001</td>
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</table>

<sup>a</sup> Comparisons tested using a chi-square for each row.

<sup>b</sup> Of the 1,327 who provided an answer for subspecialty (1,671 respondents - 344 missing subspecialty data), 423 chose general neurology as their primary focus.
<table>
<thead>
<tr>
<th>Variable</th>
<th>Males</th>
<th>Females</th>
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<td><strong>p-value</strong></td>
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<td><strong>p-value</strong></td>
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<td>Age</td>
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<td>1.16 (1.04,1.30)</td>
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<tr>
<td>Age Squared</td>
<td>0.0019</td>
<td>0.99 (0.99,0.99)</td>
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<tr>
<td>Q9a (Autonomy in Job)</td>
<td>&lt;0.0001</td>
<td>0.37 (0.27,0.52)</td>
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<tr>
<td>Q9b (Meaningful Work)</td>
<td>0.0001</td>
<td>0.30 (0.16,0.55)</td>
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<tr>
<td>Q10a (Reasonable About of Direct Clerical Tasks)</td>
<td>&lt;0.0001</td>
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<td>Q11 (Effect Support Staff)</td>
<td>0.0011</td>
<td>0.60 (0.44,0.81)</td>
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<td>Q12 (Hours Worked Per Week)</td>
<td>0.0092</td>
<td>1.02 (1.00,1.03)</td>
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<td>Q13_1 (Percent of Time in Clinical Practice)</td>
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<td>1.01 (1.00,1.02)</td>
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<tr>
<td>Q14 (Nights on Call Per Week)</td>
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<td>Q15 (Number of Outpatients)</td>
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<td>Q17 (Weekends With Hospital Rounds)</td>
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<td></td>
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<td>-------------------------------</td>
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<tr>
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</tbody>
</table>
**Figure e-1. Age distribution of male and female neurologists**
Figure e-1 legend: Figure e-1 is a plot of age by gender showing that men have more physicians age>50 while women have more physicians age<50.

The graphic is a separate file named Figure_e-1.jpg

**Figure e-2. Depersonalization, emotional exhaustion, and personal accomplishment by weekend responsibilities and gender**
Figure e-2 legend: Figure e-2 plots burnout measures by number of weekends per year with hospital rounding responsibilities. Lowess curves, with 95% confidence intervals for the mean, were fit separately for males (blue) and females (red) to show trajectories. The black reference lines show the burnout cutoffs for each scale (>10 for depersonalization, >27 for emotional exhaustion, and <33 for personal accomplishment). Females tend to have higher emotional exhaustion levels than males when they have hospital rounding responsibilities on more than half of the weekends.

The graphic is a separate file named Figure_e-2.jpg