Table 4– Results of the logistics regressions for whether a patient used a specific specialty with predictor variables the patient’s age, gender, and location.

<table>
<thead>
<tr>
<th>Predictor variables</th>
<th>Coefficient</th>
<th>Standard error of the coefficient</th>
<th>Z</th>
<th>P-value</th>
<th>Odds ratio 95% confidence interval</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Mean</td>
<td>Lower bound</td>
<td>Upper bound</td>
<td></td>
</tr>
<tr>
<td>Urban</td>
<td>-1.824</td>
<td>0.110</td>
<td>-16.65</td>
<td>&lt; 0.001</td>
<td>0.161 0.1310 0.200</td>
</tr>
<tr>
<td>Male</td>
<td>-0.801</td>
<td>0.100</td>
<td>-7.98</td>
<td>&lt; 0.001</td>
<td>0.449 0.369 0.547</td>
</tr>
<tr>
<td>Age</td>
<td>0.021</td>
<td>0.002</td>
<td>9.11</td>
<td>&lt; 0.001</td>
<td>1.022 1.017 1.026</td>
</tr>
<tr>
<td>Constant</td>
<td>0.351</td>
<td>0.113</td>
<td>3.10</td>
<td>0.002</td>
<td>1.420 1.137 1.772</td>
</tr>
<tr>
<td>Urban</td>
<td>1.706</td>
<td>0.125</td>
<td>13.67</td>
<td>&lt; 0.001</td>
<td>5.505 4.311 7.030</td>
</tr>
<tr>
<td>Male</td>
<td>1.378</td>
<td>0.129</td>
<td>10.66</td>
<td>&lt; 0.001</td>
<td>3.968 3.080 5.112</td>
</tr>
<tr>
<td>Age</td>
<td>-0.105</td>
<td>0.006</td>
<td>-16.95</td>
<td>&lt; 0.001</td>
<td>0.901 0.890 0.912</td>
</tr>
<tr>
<td>Constant</td>
<td>0.074</td>
<td>0.148</td>
<td>0.50</td>
<td>0.616</td>
<td>1.077 0.805 1.441</td>
</tr>
<tr>
<td>Urban</td>
<td>0.722</td>
<td>0.138</td>
<td>5.24</td>
<td>&lt; 0.001</td>
<td>2.059 1.572 2.697</td>
</tr>
<tr>
<td>Male</td>
<td>-0.046</td>
<td>0.131</td>
<td>-0.35</td>
<td>0.725</td>
<td>0.955 0.739 1.234</td>
</tr>
<tr>
<td>Age</td>
<td>0.030</td>
<td>0.003</td>
<td>10.43</td>
<td>&lt; 0.001</td>
<td>1.030 1.025 1.036</td>
</tr>
<tr>
<td>Constant</td>
<td>-3.125</td>
<td>0.178</td>
<td>-17.53</td>
<td>&lt; 0.001</td>
<td>0.044 0.031 0.062</td>
</tr>
<tr>
<td>Urban</td>
<td>1.640</td>
<td>0.107</td>
<td>15.39</td>
<td>&lt; 0.001</td>
<td>5.153 4.182 6.350</td>
</tr>
<tr>
<td>Male</td>
<td>0.933</td>
<td>0.102</td>
<td>9.18</td>
<td>&lt; 0.001</td>
<td>2.543 2.084 3.104</td>
</tr>
<tr>
<td>Age</td>
<td>-0.028</td>
<td>0.002</td>
<td>-11.31</td>
<td>&lt; 0.001</td>
<td>0.972 0.968 0.977</td>
</tr>
<tr>
<td>Constant</td>
<td>-0.367</td>
<td>0.114</td>
<td>-3.21</td>
<td>0.001</td>
<td>0.693 0.554 0.867</td>
</tr>
</tbody>
</table>

Likelihood ratio $\chi^2 = 583.87$ with $p < 0.001$

Likelihood ratio $\chi^2 = 1145.21$ with $p < 0.001$

Likelihood ratio $\chi^2 = 123.01$ with $p < 0.001$

Likelihood ratio $\chi^2 = 617.19$ with $p < 0.001$