Supplementary Online Content


eTable. Performance of the 4-item ASQ in demographic subgroups

eAppendix. ASQ question items

This supplementary material has been provided by the authors to give readers additional information about their work.
### eTable. Performance of the 4-Item ASQ in Demographic Subgroups

<table>
<thead>
<tr>
<th></th>
<th>N</th>
<th>Sensitivity</th>
<th>Specificity</th>
<th>PPV Psychiatric</th>
<th>NPV Psychiatric</th>
<th>PPV Medical/Surgical</th>
<th>NPV Medical/Surgical</th>
<th>c-statistic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gender</strong></td>
<td></td>
<td></td>
<td></td>
<td>PPV Psychiatric</td>
<td>NPV Psychiatric</td>
<td>PPV Medical/Surgical</td>
<td>NPV Medical/Surgical</td>
<td>c-statistic</td>
</tr>
<tr>
<td>Male</td>
<td>226</td>
<td>96.3</td>
<td>91.0</td>
<td>62.2 (44.8-77.5)</td>
<td>97.4 (86.2-99.9)</td>
<td>42.9 (9.9-81.6)</td>
<td>100.0 (97.4-100.0)</td>
<td>0.94</td>
</tr>
<tr>
<td>Female</td>
<td>298</td>
<td>97.2</td>
<td>84.6</td>
<td>75.6 (64.6-84.7)</td>
<td>96.3 (81.0-99.9)</td>
<td>38.5 (20.2-59.4)</td>
<td>99.4 (96.7-100.0)</td>
<td>0.91</td>
</tr>
<tr>
<td><strong>Age group</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10-15 years</td>
<td>289</td>
<td>100.0</td>
<td>85.4</td>
<td>67.9 (56.4-78.1)</td>
<td>100.0 (92.4-100.0)</td>
<td>25.0 (5.5-57.2)</td>
<td>100.0 (97.6-100.0)</td>
<td>0.92</td>
</tr>
<tr>
<td>16-21 years</td>
<td>235</td>
<td>92.9</td>
<td>90.2</td>
<td>78.4 (61.8-90.2)</td>
<td>88.9 (65.3-98.6)</td>
<td>47.6 (25.7-70.2)</td>
<td>99.4 (96.5-100.0)</td>
<td>0.92</td>
</tr>
<tr>
<td><strong>Race</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>264</td>
<td>100.0</td>
<td>86.3</td>
<td>71.6 (59.3-82.0)</td>
<td>100.0 (90.0-100.0)</td>
<td>33.3 (11.8-61.6)</td>
<td>100.0 (97.5-100.0)</td>
<td>0.93</td>
</tr>
<tr>
<td>African American</td>
<td>155</td>
<td>88.9</td>
<td>89.1</td>
<td>71.4 (51.3-86.8)</td>
<td>91.7 (73.0-99.0)</td>
<td>40.0 (12.2-73.8)</td>
<td>98.9 (94.2-100.0)</td>
<td>0.89</td>
</tr>
<tr>
<td>Other race</td>
<td>102</td>
<td>100.0</td>
<td>88.2</td>
<td>68.4 (43.4-87.4)</td>
<td>100.0 (54.1-100.0)</td>
<td>50.0 (15.7-84.3)</td>
<td>100.0 (94.8-100.0)</td>
<td>0.94</td>
</tr>
</tbody>
</table>

Abbreviations: ASQ, Ask Suicide Screening Questions; N, number; PPV, positive predictive value; NPV, negative predictive value

*The lower sensitivity among African American participants was significant ($P=0.02$; pairwise comparisons: White vs. African American, $P=0.04$; African American vs. other race, $P=0.27$; White vs. other race, $P=1.0$). $P>0.05$ for all other comparisons.
Suicide Screening Questions for the Emergency Department

1. In the past few weeks, have you wished you were dead?
   - O Yes
   - O No
   - O No response

2. In the past few weeks, have you felt that you or your family would be better off if you were dead?
   - O Yes
   - O No
   - O No response

3. In the past week, have you been having thoughts about killing yourself?
   - O Yes
   - O No
   - O No response

4. Have you ever tried to kill yourself?
   - O Yes
   - O No
   - O No response

If yes, how?
_______________________________________________________________________________
_______________________________________________________________________________

When?
_______________________________________________________________________________
_______________________________________________________________________________

Patient Name: ____________________________ Date: ____________________________

Medical Record #: ____________________________ (or Patient Label)

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