### Adjusted Odds Ratios (AORs) for the association between In-hospital mortality and vital signs by different age groups in a subgroup analyses: suspected infection.

**Case definition:** Patients with suspected infection were selected if blood cultures were obtained in the ED, and if patients were hospitalized.

<table>
<thead>
<tr>
<th></th>
<th>Total cohort</th>
<th>18-65</th>
<th>66-80</th>
<th>&gt;80</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Systolic blood pressure (mmHg)</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>&gt;140*</td>
<td>1.00</td>
<td></td>
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</tr>
<tr>
<td>121-140</td>
<td>1.01 (0.79-1.28)</td>
<td>0.97 (0.53-1.77)</td>
<td>1.08 (0.75-1.54)</td>
<td>0.96 (0.65-1.41)</td>
</tr>
<tr>
<td>101-120</td>
<td>1.56 (1.24-1.96)</td>
<td>1.74 (1.02-2.98)</td>
<td>1.63 (1.15-2.33)</td>
<td>1.41 (0.96-2.06)</td>
</tr>
<tr>
<td>81-100</td>
<td>1.85 (1.42-2.40)</td>
<td>1.39 (0.74-2.63)</td>
<td>2.49 (1.68-3.88)</td>
<td>1.64 (1.05-2.57)</td>
</tr>
<tr>
<td>0-80</td>
<td>2.58 (1.88-3.56)</td>
<td>3.55 (1.82-6.93)</td>
<td>2.62 (1.55-4.42)</td>
<td>2.08 (1.17-3.69)</td>
</tr>
<tr>
<td><strong>Diastolic blood pressure (mmHg)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;120*</td>
<td>1.00</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>101-120</td>
<td>0.60 (0.36-1.03)</td>
<td>1.21 (0.40-3.60)</td>
<td>0.50 (0.23-1.10)</td>
<td>0.40 (0.15-1.09)</td>
</tr>
<tr>
<td>81-100</td>
<td>0.68 (0.43-1.08)</td>
<td>0.68 (0.25-1.91)</td>
<td>0.54 (0.28-1.04)</td>
<td>0.89 (0.39-2.00)</td>
</tr>
<tr>
<td>61-80</td>
<td>0.64 (0.41-1.01)</td>
<td>0.91 (0.33-2.49)</td>
<td>0.50 (0.26-0.96)</td>
<td>0.71 (0.32-1.59)</td>
</tr>
<tr>
<td>0-60</td>
<td>1.00 (0.64-1.58)</td>
<td>1.59 (0.57-4.44)</td>
<td>0.91 (0.47-1.76)</td>
<td>0.89 (0.40-2.00)</td>
</tr>
<tr>
<td><strong>Mean Arterial blood pressure (mmHg)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;120*</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>101-120</td>
<td>0.86 (0.63-1.18)</td>
<td>1.02 (0.48-2.16)</td>
<td>0.79 (0.49-1.26)</td>
<td>0.85 (0.50-1.45)</td>
</tr>
<tr>
<td>81-100</td>
<td>0.89 (0.66-1.19)</td>
<td>1.12 (0.56-2.27)</td>
<td>0.71 (0.45-1.11)</td>
<td>0.98 (0.60-1.62)</td>
</tr>
<tr>
<td>61-80</td>
<td>1.22 (0.90-1.67)</td>
<td>1.33 (0.64-2.77)</td>
<td>1.35 (0.86-2.14)</td>
<td>1.07 (0.63-1.83)</td>
</tr>
<tr>
<td>0-60</td>
<td>2.22 (1.52-3.23)</td>
<td>3.23 (1.38-7.58)</td>
<td>2.34 (1.31-4.17)</td>
<td>1.75 (0.92-3.33)</td>
</tr>
<tr>
<td><strong>Peripheral oxygen saturation (%)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>96-100*</td>
<td>1.00</td>
<td></td>
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</tr>
<tr>
<td>91-95</td>
<td>1.09 (0.91-1.31)</td>
<td>1.15 (0.76-1.75)</td>
<td>1.08 (0.82-1.42)</td>
<td>1.01 (0.74-1.36)</td>
</tr>
<tr>
<td>86-90</td>
<td>1.37 (1.04-1.81)</td>
<td>1.55 (0.79-3.05)</td>
<td>1.43 (0.96-2.12)</td>
<td>1.18 (0.72-1.94)</td>
</tr>
<tr>
<td>81-85</td>
<td>2.01 (1.32-3.07)</td>
<td>1.10 (0.38-3.22)</td>
<td>2.40 (1.26-4.59)</td>
<td>2.09 (1.03-4.24)</td>
</tr>
<tr>
<td>0-80</td>
<td>3.24 (2.13-4.86)</td>
<td>2.80 (1.21-6.45)</td>
<td>3.78 (2.02-7.09)</td>
<td>2.58 (1.25-5.35)</td>
</tr>
<tr>
<td><strong>Respiratory rate (/min)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not measured*</td>
<td>1.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-9</td>
<td>#</td>
<td>#</td>
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</tr>
<tr>
<td>10-19</td>
<td>1.08 (0.78-1.49)</td>
<td>1.19 (0.61-2.33)</td>
<td>0.95 (0.59-1.54)</td>
<td>1.11 (0.60-2.05)</td>
</tr>
<tr>
<td>20-29</td>
<td>1.66 (1.20-2.27)</td>
<td>2.20 (1.13-4.31)</td>
<td>1.48 (0.93-2.34)</td>
<td>1.52 (0.84-2.76)</td>
</tr>
<tr>
<td>&gt;30</td>
<td>2.45 (1.70-3.51)</td>
<td>3.86 (1.73-8.60)</td>
<td>2.61 (1.54-4.43)</td>
<td>1.88 (0.98-3.62)</td>
</tr>
<tr>
<td><strong>Heart rate (beats/min)</strong></td>
<td></td>
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<tr>
<td>&gt;125</td>
<td>2.63 (1.88-3.68)</td>
<td>4.03 (1.88-8.66)</td>
<td>1.70 (0.99-2.93)</td>
<td>2.99 (1.70-5.26)</td>
</tr>
<tr>
<td>101-125</td>
<td>1.78 (1.34-2.37)</td>
<td>1.59 (0.76-3.33)</td>
<td>1.68 (1.09-2.60)</td>
<td>2.05 (1.29-3.28)</td>
</tr>
<tr>
<td>76-100</td>
<td>1.33 (1.01-1.74)</td>
<td>1.55 (0.76-3.14)</td>
<td>1.13 (0.75-1.72)</td>
<td>1.57 (1.02-2.43)</td>
</tr>
<tr>
<td>51-75*</td>
<td>1.00</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>0-50</td>
<td>1.64 (0.89-2.99)</td>
<td>3.52 (0.83-15.0)</td>
<td>1.12 (0.40-3.17)</td>
<td>2.12 (0.84-5.31)</td>
</tr>
<tr>
<td><strong>Temperature (°C)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not measured*</td>
<td>1.00</td>
<td></td>
<td></td>
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<tr>
<td>≥40</td>
<td>0.41 (0.23-0.75)</td>
<td>0.35 (0.10-1.25)</td>
<td>0.35 (0.13-0.95)</td>
<td>0.53 (0.20-1.38)</td>
</tr>
<tr>
<td>38-39</td>
<td>0.52 (0.39-0.68)</td>
<td>0.59 (0.31-1.11)</td>
<td>0.54 (0.36-0.80)</td>
<td>0.41 (0.26-0.65)</td>
</tr>
<tr>
<td>35-37</td>
<td>1.14 (0.88-1.48)</td>
<td>1.50 (0.82-2.72)</td>
<td>1.01 (0.69-1.49)</td>
<td>1.09 (0.70-1.71)</td>
</tr>
<tr>
<td>31-34</td>
<td>2.59 (1.50-4.46)</td>
<td>5.97 (2.18-16.4)</td>
<td>1.28 (0.47-3.51)</td>
<td>2.41 (0.95-6.15)</td>
</tr>
<tr>
<td>0-30</td>
<td>0.70 (0.08-6.26)</td>
<td>#</td>
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</tr>
</tbody>
</table>

*= reference category

# No outcome events for this category