Mortality in admissions to critical care over 89 years of age

Question

What were the critical care unit and acute hospital mortality for admissions over 89 years of age to all adult, general critical care units in England, Wales and Northern Ireland, participating in the Case Mix Programme (CMP) between 1 January 2008 and 31 December 2012.

Available data for report

546,877 admissions to 216 adult, general critical care units
1 January 2008-31 December 2012

Selection of Cases

All admissions in the Case Mix Programme between 1 January 2008 and 31 December 2012 were included in the analysis.

Definitions for variables included

Age was the age in whole years at the point of admission to the critical care unit

Critical care unit mortality was defined as the status at discharge from the critical care unit.

Acute hospital mortality was defined as the status at ultimate discharge from acute hospital, wherever.
Results

Table 1: Critical care unit and acute hospital mortality for admissions aged 90 years or over, to all adult, general critical care units participating in the CMP between 1 January 2008 and 31 December 2012.

<table>
<thead>
<tr>
<th></th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions aged 90 and above, n(%) [N]</td>
<td>786 (0.9) [92,107]</td>
<td>1,100 (1.0) [97,548]</td>
<td>821 (0.8) [114,207]</td>
<td>1,379 (1.1) [128,829]</td>
<td>1,510 (1.3) [114,187]</td>
<td>5,596 (1.0) [546,878]</td>
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<tr>
<td>Critical care unit mortality*, n (%) [N]</td>
<td>156 (19.80) [786]</td>
<td>174 (21.2) [820]</td>
<td>213 (19.4) [1,100]</td>
<td>280 (20.3) [1,379]</td>
<td>302 (20.0) [1,510]</td>
<td>1,125 (20.1) [5,595]</td>
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<tr>
<td>Acute hospital mortality*, n (%) [N]</td>
<td>320 (41.5) [771]</td>
<td>338 (42.0) [804]</td>
<td>396 (36.8) [1,077]</td>
<td>505 (37.4) [1,351]</td>
<td>527 (35.9) [1,466]</td>
<td>2,086 (38.1) [5,469]</td>
</tr>
</tbody>
</table>

Acknowledgement

Please acknowledge the source of these data in all future presentations (oral and/or written), as follows:

“These data derive from the Case Mix Programme Database. The Case Mix Programme is the national, comparative audit of patient outcomes from adult critical care coordinated by the Intensive Care National Audit & Research Centre (ICNARC). These analyses are based on data for 546,877 admissions to 216 adult, general critical care units based in NHS hospitals geographically spread across England, Wales and Northern Ireland. For more information on the representativeness and quality of these data, please contact ICNARC.”