AROC impairment specific report inpatient – pathway 3 brain injury
Anywhere Hospital January 2015 – December 2015

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AROC impairment specific report inpatient – pathway 3 brain injury Anywhere Hospital January 2015 – December 2015

Abstract

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015 Introducing the Impairment Specific Reports This is the second AROC Impairment Specific Report for brain injury which compares YOUR FACILITY's data to data from SPECIALIST brain injury services and data from NON - SPECIALIST brain injuries services (Australia and New Zealand). Each Impairment Specific Report is structured as a series of chapters. Each report will present an overall big picture chapter on the impairment followed by a chapter looking at FIM item scoring at YOUR FACILITY. An outcomes analysis chapter followed by an explanatory data chapter. At the end is analysis by impairment specific data items.

Publication Details


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AROC Impairment Specific Report
Inpatient – Pathway 3
BRAIN INJURY

Anywhere Hospital

January 2015 — December 2015
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Brain Injury Dashboard (CY 2015)

Rehabilitation Outcomes by Facility

Performance Against Benchmark

Higher Functional Outcome

Length of Stay

Your Facility: 24% 16% 46% 14%

Status

Trend

Outlier facilities are not shown on graph

Greater Independence: 0%
Same Independence: 29%
Lower Independence: 45%
Unknown: 27%

Level of independence post discharge

Number of Episodes by Impairment

Facility Beds (All wards)

Completed Episodes

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
### Key indicators*

<table>
<thead>
<tr>
<th></th>
<th>Your Facility</th>
<th>Brain Specialists</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Age:</td>
<td>47.0</td>
<td>46.8</td>
</tr>
<tr>
<td>Mortality Rate:</td>
<td>0.0%</td>
<td>0.1%</td>
</tr>
<tr>
<td>% with at least one comorbidity:</td>
<td>49%</td>
<td>47%</td>
</tr>
<tr>
<td>% with at least one complication:</td>
<td>25%</td>
<td>29%</td>
</tr>
<tr>
<td>% episodes with start delays:</td>
<td>16%</td>
<td>14%</td>
</tr>
<tr>
<td>Days between onset and rehab episode:</td>
<td>29.8</td>
<td>28.1</td>
</tr>
<tr>
<td>Days between clinically rehab ready &amp; start date:</td>
<td>0.9</td>
<td>1.0</td>
</tr>
</tbody>
</table>

* Mean value provided unless otherwise specified

### Facility FIM Training*

<table>
<thead>
<tr>
<th></th>
<th>FIM Credentialed Staff per 100 Episodes</th>
<th>FIM Credentialed Facility Trainers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Your Facility</td>
<td>AROC Suggested Minimum</td>
</tr>
<tr>
<td></td>
<td>10.0</td>
<td>2</td>
</tr>
</tbody>
</table>

* This includes all impairments from all wards

### Completed Episodes by Facility

![Completed Episodes by Facility Chart](chart.png)

- **Your Facility**
- **Brain Specialists**

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015

Page 4
Introducing the Impairment Specific Reports

This is the second AROC Impairment Specific Report for brain injury which compares YOUR FACILITY’s data to data from SPECIALIST brain injury services and data from NON-SPECIALIST brain injuries services (Australia and New Zealand). Each Impairment Specific Report is structured as a series of chapters. Each report will present an overall big picture chapter on the impairment followed by a chapter looking at FIM item scoring at YOUR FACILITY. An outcomes analysis chapter followed by an explanatory data chapter. At the end is analysis by impairment specific data items.

While SPECIALIST data includes all SPECIALIST facilities with data on this impairment and NON-SPECIALIST data includes all NON-SPECIALIST facilities with data on this impairment, facilities will only receive this report if they are considered a SPECIALIST facility.

AROC welcomes your feedback on this report.

NOTE: This report should be considered in conjunction with the Outcome Benchmarks Report for your facility.
Data used in this report

This report summarises Brain Injury episodes in calendar year 2015 (1 January 2015 to 31 December 2015) collected in the V4 data set - Pathway 3 (inpatient direct care). Unit of counting is by concatenated* episode, not by patient.

All tables and graphs present calendar year 2015 data unless otherwise indicated, and the number of episodes from Anywhere Hospital in 2015 are provided. Where there are less than five episodes within a subgroup, summary data are not provided.

Casemix analysis uses the version 4 AN-SNAP classes (Appendix 3), introduced July 2016. Casemix adjustment is against all SPECIALIST units.

NOTE: Appendix 1 (Glossary) contains definitions of concepts referred to in this report. An understanding of these will help with interpretation of the data.

*Refer to Appendix 1 for more details about the process of data concatenation
Brain injury impairment codes

Brain injury episodes were identified as those with the following AROC impairment codes:

**Traumatic**
- 2.21 – Brain Dysfunction, Open injury
- 2.22 – Brain Dysfunction, Closed injury
- 14.1 – Major Multiple Trauma, Brain + Brain injury
- 14.2 – Major Multiple Trauma, Brain + multi fracture/amputation

**Non-Traumatic**
- 2.11 – Brain Dysfunction, Sub-arachnoid haemorrhage
- 2.12 – Brain Dysfunction, Anoxic brain damage
- 2.13 – Brain Dysfunction, Other non-traumatic brain dysfunction

NOTE: A list of all impairment codes can be found in Appendix 2
Brain injury AN-SNAP classes

Levels of functioning for spinal cord dysfunction are categorised by the following version 4 AN-SNAP classes:

- **4AB1** Brain dysfunction, weighted FIM motor 71-91, FIM cognition 26-35
- **4AB2** Brain dysfunction, weighted FIM motor 71-91, FIM cognition 5-25
- **4AB3** Brain dysfunction, weighted FIM motor 41-70, FIM cognition 26-35
- **4AB4** Brain dysfunction, weighted FIM motor 41-70, FIM cognition 17-25
- **4AB5** Brain dysfunction, weighted FIM motor 41-70, FIM cognition 5-16
- **4AB6** Brain dysfunction, weighted FIM motor 29-40
- **4AB7** Brain dysfunction, weighted FIM motor 19-28
- **4AP1** Major Multiple Trauma, weighted FIM motor 19-91
- **4AZ1** Weighted FIM motor score 13-18, Brain, MMT, Age ≥ 49
- **4AZ2** Weighted FIM motor score 13-18, Brain, MMT, Age ≤ 48

**NOTE:** A list of all AN-SNAP classes can be found in Appendix 3
The BIG picture
Volume of episodes by facilities treating brain injury
Number of traumatic and non-traumatic episodes over time – YOUR FACILITY

<table>
<thead>
<tr>
<th>Year</th>
<th>Traumatic Episodes</th>
<th>Non-Traumatic Episodes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>46 (n=46)</td>
<td>36 (n=36)</td>
</tr>
<tr>
<td>2012</td>
<td>52 (n=52)</td>
<td>59 (n=59)</td>
</tr>
<tr>
<td>2013</td>
<td>56 (n=56)</td>
<td>52 (n=52)</td>
</tr>
<tr>
<td>2014</td>
<td>61 (n=61)</td>
<td>40 (n=40)</td>
</tr>
<tr>
<td>2015</td>
<td>62 (n=62)</td>
<td>74 (n=74)</td>
</tr>
</tbody>
</table>
Number of episodes by AN-SNAP class

![Bar chart showing the number of episodes by AN-SNAP class for different categories. The categories include 4AB1, 4AB2, 4AB3, 4AB4, 4AB5, 4AB6, 4AB7, 4AP1, 4AZ1, and 4AZ2. The chart compares the number of episodes across different facilities and specialties.]
### Number of episodes by AN-SNAP class

<table>
<thead>
<tr>
<th>AN-SNAP class</th>
<th>YOUR FACILITY</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
<td>No.</td>
</tr>
<tr>
<td>4AB1 (BI, weighted FIM motor 71-91, FIM cog 26-35)</td>
<td>20</td>
<td>14.7</td>
<td>279</td>
<td>20.0</td>
<td>366</td>
</tr>
<tr>
<td>4AB2 (BI, weighted FIM motor 71-91, FIM cog 5-25)</td>
<td>27</td>
<td>19.9</td>
<td>240</td>
<td>17.2</td>
<td>209</td>
</tr>
<tr>
<td>4AB3 (BI, weighted FIM motor 41-70, FIM cog 26-35)</td>
<td>27</td>
<td>19.9</td>
<td>124</td>
<td>8.9</td>
<td>434</td>
</tr>
<tr>
<td>4AB4 (BI, weighted FIM motor 41-70, FIM cog 17-25)</td>
<td>13</td>
<td>9.6</td>
<td>116</td>
<td>8.3</td>
<td>359</td>
</tr>
<tr>
<td>4AB5 (BI, weighted FIM motor 41-70, FIM cog 5-16)</td>
<td>7</td>
<td>5.1</td>
<td>80</td>
<td>5.7</td>
<td>175</td>
</tr>
<tr>
<td>4AB6 (BI, weighted FIM motor 29-40)</td>
<td>7</td>
<td>5.1</td>
<td>70</td>
<td>5.0</td>
<td>191</td>
</tr>
<tr>
<td>4AB7 (BI, weighted FIM motor 19-28)</td>
<td>7</td>
<td>5.1</td>
<td>60</td>
<td>4.3</td>
<td>149</td>
</tr>
<tr>
<td>4AP1 (MMT, weighted FIM motor 19-91)</td>
<td>15</td>
<td>11.0</td>
<td>243</td>
<td>17.4</td>
<td>124</td>
</tr>
<tr>
<td>4AZ1 (BI or MMT, age ≥ 49, weighted FIM motor 13-18)</td>
<td>4</td>
<td>2.9</td>
<td>73</td>
<td>5.2</td>
<td>122</td>
</tr>
<tr>
<td>4AZ2 (BI or MMT, age ≤ 48, weighted FIM motor 13-18)</td>
<td>9</td>
<td>6.6</td>
<td>112</td>
<td>8.0</td>
<td>40</td>
</tr>
<tr>
<td><strong>All Brain AN-SNAP classes</strong></td>
<td>136</td>
<td>100.0</td>
<td>1,397</td>
<td>100.0</td>
<td>2,169</td>
</tr>
</tbody>
</table>

Note: 0 episode(s) at YOUR FACILITY, 3 episode(s) at SPECIALIST facilities and 9 episode(s) at NON-SPECIALIST facilities had an AN-SNAP class of 499A.
Number of traumatic and non-traumatic episodes by impairment

![Bar chart showing number of traumatic and non-traumatic episodes by impairment code. The chart includes impairment codes 2.21 (n=2), 2.22 (n=42), 14.1 (n=6), 14.2 (n=12), 2.11 (n=24), 2.12 (n=7), and 2.13 (n=43).]
## Traumatic and non-traumatic episodes by impairment

<table>
<thead>
<tr>
<th>Impairment</th>
<th>YOUR FACILITY</th>
<th></th>
<th>SPECIALIST</th>
<th></th>
<th>NON-SPECIALIST</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
</tr>
<tr>
<td><strong>Traumatic impairments</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.21 Open injury</td>
<td>2</td>
<td>3.2</td>
<td>57</td>
<td>6.0</td>
<td>51</td>
<td>6.6</td>
</tr>
<tr>
<td>2.22 Closed injury</td>
<td>42</td>
<td>67.7</td>
<td>596</td>
<td>62.7</td>
<td>577</td>
<td>75.1</td>
</tr>
<tr>
<td>14.1 MMT: brain+spine</td>
<td>6</td>
<td>9.7</td>
<td>24</td>
<td>2.5</td>
<td>28</td>
<td>3.6</td>
</tr>
<tr>
<td>14.2 MMT: brain+other</td>
<td>12</td>
<td>19.4</td>
<td>273</td>
<td>28.7</td>
<td>112</td>
<td>14.6</td>
</tr>
<tr>
<td><strong>Total TBI</strong></td>
<td>62</td>
<td>100</td>
<td>950</td>
<td>100</td>
<td>768</td>
<td>100</td>
</tr>
<tr>
<td><strong>Non-traumatic impairments</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.11 Sub-arachnoid haemorrhage</td>
<td>24</td>
<td>32.4</td>
<td>121</td>
<td>26.9</td>
<td>452</td>
<td>32.1</td>
</tr>
<tr>
<td>2.12 Anoxic brain damage</td>
<td>7</td>
<td>9.5</td>
<td>50</td>
<td>11.1</td>
<td>79</td>
<td>5.6</td>
</tr>
<tr>
<td>2.13 Other NTBI</td>
<td>43</td>
<td>58.1</td>
<td>279</td>
<td>62.0</td>
<td>879</td>
<td>62.3</td>
</tr>
<tr>
<td><strong>Total NTBI</strong></td>
<td>74</td>
<td>100</td>
<td>450</td>
<td>100</td>
<td>1,410</td>
<td>100</td>
</tr>
<tr>
<td><strong>TOTAL BI</strong></td>
<td>136</td>
<td></td>
<td>1,400</td>
<td></td>
<td>2,178</td>
<td></td>
</tr>
</tbody>
</table>
Proportion of first admission episodes over time

Proportion of first admission episodes each year

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
<th>First Admission</th>
<th>Not First Admission</th>
<th>Not Answered</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>1,031</td>
<td>91 (80%)</td>
<td>74 (7.1%)</td>
<td>22 (2.1%)</td>
</tr>
<tr>
<td>2012</td>
<td>1,208</td>
<td>104 (86.5%)</td>
<td>90 (74.6%)</td>
<td>24 (19.9%)</td>
</tr>
<tr>
<td>2013</td>
<td>1,099</td>
<td>94 (85.8%)</td>
<td>89 (81.1%)</td>
<td>16 (14.7%)</td>
</tr>
<tr>
<td>2014</td>
<td>1,261</td>
<td>106 (84.3%)</td>
<td>98 (77.9%)</td>
<td>17 (13.4%)</td>
</tr>
<tr>
<td>2015</td>
<td>1,400</td>
<td>117 (83.5%)</td>
<td>100 (71.4%)</td>
<td>23 (16.4%)</td>
</tr>
</tbody>
</table>

YOUR FACILITY

SPECIALIST

NON-SPECIALIST
Proportion of traumatic episodes by facility by AN-SNAP class

AORC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Proportion of non-traumatic episodes by facility by AN-SNAP class

A ROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Proportion of traumatic episodes by impairment by facility

<table>
<thead>
<tr>
<th>Impairment</th>
<th>Specialist Units (n=1,400)</th>
<th>Non-specialist Units (n=2,178)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.21</td>
<td>2.22</td>
<td>14.1</td>
</tr>
<tr>
<td>2.22</td>
<td>2.22</td>
<td>14.2</td>
</tr>
<tr>
<td>14.1</td>
<td>14.2</td>
<td></td>
</tr>
<tr>
<td>14.2</td>
<td>14.2</td>
<td></td>
</tr>
</tbody>
</table>

Proportion of episodes

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
Proportion of non-traumatic episodes by Impairment by facility

Specialist Units (n=1,400)
Non-specialist Units (n=2,178)

Proportion of episodes
2.11 2.12 2.13
## Traumatic and non-traumatic episodes by impairment by AN-SNAP class

### Traumatic

<table>
<thead>
<tr>
<th>Impairment</th>
<th>YOUR FACILITY</th>
<th>TOTAL</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4AB1</td>
<td>4AB2</td>
<td>4AB3</td>
<td>4AB4</td>
</tr>
<tr>
<td>2.21 Open injury</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>2.22 Closed injury</td>
<td>9</td>
<td>10</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>14.1 MMT: brain+spine</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>14.2 MMT: brain+other</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>9</td>
<td>10</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>Specialist</td>
<td>162</td>
<td>156</td>
<td>56</td>
<td>67</td>
</tr>
<tr>
<td>Non Specialist</td>
<td>94</td>
<td>69</td>
<td>133</td>
<td>138</td>
</tr>
</tbody>
</table>

### Non-traumatic

<table>
<thead>
<tr>
<th>Impairment</th>
<th>YOUR FACILITY</th>
<th>TOTAL</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4AB1</td>
<td>4AB2</td>
<td>4AB3</td>
<td>4AB4</td>
</tr>
<tr>
<td>2.11 Sub-arachnoid haemorrh</td>
<td>3</td>
<td>5</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>2.12 Anoxic brain damage</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2.13 Other NTBI</td>
<td>8</td>
<td>10</td>
<td>11</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>11</td>
<td>17</td>
<td>15</td>
<td>9</td>
</tr>
<tr>
<td>Specialist</td>
<td>117</td>
<td>84</td>
<td>68</td>
<td>49</td>
</tr>
<tr>
<td>Non Specialist</td>
<td>272</td>
<td>140</td>
<td>301</td>
<td>221</td>
</tr>
</tbody>
</table>

Note: 0 episode(s) at YOUR FACILITY, 3 episode(s) at SPECIALIST facilities and 9 episode(s) at NON-SPECIALIST facilities had an AN-SNAP class of 499A.
Proportion of traumatic episodes by AN-SNAP class over time

<table>
<thead>
<tr>
<th>Year</th>
<th>4AB1</th>
<th>4AB2</th>
<th>4AB3</th>
<th>4AB4</th>
<th>4AB5</th>
<th>4AB6</th>
<th>4AB7</th>
<th>4AP1</th>
<th>4AZ1</th>
<th>4AZ2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2012</td>
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<td>2013</td>
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<td></td>
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<td>2014</td>
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<td>2015</td>
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</tr>
</tbody>
</table>

A ROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Proportion of non-traumatic episodes by AN-SNAP class over time

![Bar chart showing the proportion of non-traumatic episodes by AN-SNAP class over time. The chart includes data for years 2011 to 2015, with each year showing the number of episodes and the proportion of non-traumatic episodes in different classes. The chart compares episodes for Specialist and Non-Specialist facilities.]

**YOUR FACILITY**

**SPECIALIST**

**NON-SPECIALIST**

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
### Traumatic and non-traumatic episodes by AN-SNAP class over time

#### AN-SNAP class

<table>
<thead>
<tr>
<th>AN-SNAP class</th>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Traumatic</strong></td>
<td></td>
<td></td>
<td></td>
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<td>4AB1 (Bl, weighted FIM motor 71-91, FIM cog 26-35)</td>
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<td>4AB3 (Bl, weighted FIM motor 41-70, FIM cog 26-35)</td>
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<tr>
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<tr>
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<td>3</td>
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<tr>
<td>4AB6 (Bl, weighted FIM motor 29-40)</td>
<td>7</td>
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<td>0</td>
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<td>4AB7 (Bl, weighted FIM motor 19-28)</td>
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<td>4AP1 (MMT, weighted FIM motor 19-91)</td>
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<tr>
<td>All Brain AN-SNAP classes</td>
<td>46</td>
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#### Non-traumatic

<table>
<thead>
<tr>
<th>AN-SNAP class</th>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON SPECIALIST</th>
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<td><strong>Non-traumatic</strong></td>
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<td>4AB1 (Bl, weighted FIM motor 71-91, FIM cog 26-35)</td>
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<td>4AB4 (Bl, weighted FIM motor 41-70, FIM cog 17-25)</td>
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<td>4AB5 (Bl, weighted FIM motor 41-70, FIM cog 5-16)</td>
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<tr>
<td>4AB6 (Bl, weighted FIM motor 29-40)</td>
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<td>4AB7 (Bl, weighted FIM motor 19-28)</td>
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<tr>
<td>4AZ1 (BI or MMT, age ≥ 49, weighted FIM motor 13-18)</td>
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<tr>
<td>4AZ2 (BI or MMT, age ≤ 48, weighted FIM motor 13-18)</td>
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<tr>
<td>All Brain AN-SNAP classes</td>
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<td>59</td>
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Proportion of traumatic episodes by impairment over time

<table>
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<tr>
<th>Year</th>
<th>2.21</th>
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<th>14.1</th>
<th>14.2</th>
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<td>763</td>
<td>5</td>
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<td>2012</td>
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<td>899</td>
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<td>2013</td>
<td>5</td>
<td>812</td>
<td></td>
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<td>2014</td>
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<td>2015</td>
<td>4</td>
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Proportion of non-traumatic episodes by impairment over time
### Traumatic and non-traumatic episodes by impairment over time

#### Traumatic impairments

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>2.21 Open injury</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>65</td>
<td>78</td>
<td>87</td>
<td>118</td>
<td>57</td>
<td>75</td>
<td>76</td>
<td>94</td>
<td>65</td>
<td>51</td>
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<td>2.22 Closed injury</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>439</td>
<td>521</td>
<td>455</td>
<td>482</td>
<td>596</td>
<td>605</td>
<td>605</td>
<td>654</td>
<td>616</td>
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<td>14.1 MMT: brain+spine</td>
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<td>2</td>
<td>1</td>
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<td>10</td>
<td>21</td>
<td>16</td>
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<td>28</td>
<td>28</td>
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<tr>
<td>14.2 MMT: brain+other</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>244</td>
<td>278</td>
<td>254</td>
<td>284</td>
<td>273</td>
<td>65</td>
<td>74</td>
<td>121</td>
<td>147</td>
<td>112</td>
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<tr>
<td><strong>Total TBI</strong></td>
<td>5</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>758</td>
<td>898</td>
<td>812</td>
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<td>950</td>
<td>763</td>
<td>775</td>
<td>899</td>
<td>856</td>
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#### Non-traumatic impairments

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<tr>
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<tbody>
<tr>
<td>2.11 Sub-arachnoid haemorrhage</td>
<td>1</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>97</td>
<td>104</td>
<td>97</td>
<td>114</td>
<td>121</td>
<td>368</td>
<td>487</td>
<td>480</td>
<td>440</td>
<td>452</td>
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<tr>
<td>2.12 Anoxic brain damage</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>43</td>
<td>47</td>
<td>40</td>
<td>54</td>
<td>50</td>
<td>67</td>
<td>65</td>
<td>83</td>
<td>114</td>
<td>79</td>
</tr>
<tr>
<td>2.13 Other NTBI</td>
<td>1</td>
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<td>1</td>
<td>1</td>
<td>2</td>
<td>133</td>
<td>159</td>
<td>150</td>
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<td>831</td>
<td>864</td>
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<tr>
<td><strong>Total NTBI</strong></td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>273</td>
<td>310</td>
<td>287</td>
<td>356</td>
<td>450</td>
<td>1,062</td>
<td>1,359</td>
<td>1,394</td>
<td>1,418</td>
<td>1,410</td>
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<td><strong>TOTAL BI</strong></td>
<td>8</td>
<td>9</td>
<td>8</td>
<td>7</td>
<td>8</td>
<td>1,031</td>
<td>1,208</td>
<td>1,099</td>
<td>1,261</td>
<td>1,400</td>
<td>1,825</td>
<td>2,134</td>
<td>2,293</td>
<td>2,274</td>
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### Number of traumatic and non-traumatic episodes by age group and sex

#### Traumatic Episodes

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Female (n=511)</th>
<th>Male (n=1,205)</th>
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<tbody>
<tr>
<td>95+</td>
<td>9</td>
<td>11</td>
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<tr>
<td>90-94</td>
<td>24</td>
<td>48</td>
</tr>
<tr>
<td>85-89</td>
<td>35</td>
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<tr>
<td>80-84</td>
<td>55</td>
<td>183</td>
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<tr>
<td>75-79</td>
<td>62</td>
<td>183</td>
</tr>
<tr>
<td>70-74</td>
<td>87</td>
<td>205</td>
</tr>
<tr>
<td>65-69</td>
<td>111</td>
<td>233</td>
</tr>
<tr>
<td>60-64</td>
<td>192</td>
<td>233</td>
</tr>
<tr>
<td>55-59</td>
<td>205</td>
<td>264</td>
</tr>
<tr>
<td>50-54</td>
<td>205</td>
<td>264</td>
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<td>45-49</td>
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<td>40-44</td>
<td>264</td>
<td>300</td>
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<td>35-39</td>
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<td>360</td>
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<td>30-34</td>
<td>360</td>
<td>420</td>
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<td>25-29</td>
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<td>20-24</td>
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<td>540</td>
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<tr>
<td>15-19</td>
<td>540</td>
<td>600</td>
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#### Non-traumatic Episodes

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Female (n=909)</th>
<th>Male (n=949)</th>
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<tbody>
<tr>
<td>95+</td>
<td>11</td>
<td>13</td>
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<tr>
<td>90-94</td>
<td>48</td>
<td>49</td>
</tr>
<tr>
<td>85-89</td>
<td>99</td>
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<td>80-84</td>
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<td>75-79</td>
<td>183</td>
<td>233</td>
</tr>
<tr>
<td>70-74</td>
<td>205</td>
<td>264</td>
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<td>65-69</td>
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<td>300</td>
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<td>60-64</td>
<td>264</td>
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<td>55-59</td>
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<td>360</td>
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<td>50-54</td>
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<tr>
<td>45-49</td>
<td>420</td>
<td>480</td>
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<tr>
<td>40-44</td>
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<td>540</td>
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<td>35-39</td>
<td>540</td>
<td>600</td>
</tr>
<tr>
<td>30-34</td>
<td>600</td>
<td>660</td>
</tr>
<tr>
<td>25-29</td>
<td>660</td>
<td>720</td>
</tr>
<tr>
<td>20-24</td>
<td>720</td>
<td>780</td>
</tr>
<tr>
<td>15-19</td>
<td>780</td>
<td>840</td>
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</table>
Number of traumatic specialist and non specialist episodes by age group and sex

**Number of episodes — Traumatic specialist**

- Female (n=241)
- Male (n=709)

**Number of episodes — Traumatic non specialist**

- Female (n=270)
- Male (n=496)
Number of non-traumatic specialist and non-specialist episodes by age group and sex

Age group

- 15-19 (n=13)
- 20-24 (n=16)
- 25-29 (n=16)
- 30-34 (n=24)
- 35-39 (n=30)
- 40-44 (n=38)
- 45-49 (n=41)
- 50-54 (n=51)
- 55-59 (n=53)
- 60-64 (n=59)
- 65-69 (n=34)
- 70-74 (n=32)
- 75-79 (n=21)
- 80-84 (n=11)
- 85-89 (n=10)
- 90-94 (n=1)
- 95+ (n=0)

- Female (n=202)
- Male (n=248)

Number of episodes — Non-traumatic specialist

- 15-19 (n=11)
- 20-24 (n=13)
- 25-29 (n=19)
- 30-34 (n=31)
- 35-39 (n=32)
- 40-44 (n=49)
- 45-49 (n=70)
- 50-54 (n=89)
- 55-59 (n=103)
- 60-64 (n=133)
- 65-69 (n=199)
- 70-74 (n=173)
- 75-79 (n=167)
- 80-84 (n=172)
- 85-89 (n=89)
- 90-94 (n=47)
- 95+ (n=11)

- Female (n=707)
- Male (n=701)

Number of episodes — Non-traumatic non-specialist
Number of traumatic episodes by facility and age group

Proportion of episodes

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Specialist (n=950)
Non-specialist (n=766)
Number of non-traumatic episodes by facility and age group

Proportion of episodes

Specialist (n=450)
Non-specialist (n=1,408)
Proportion of complete* first admission traumatic episodes by facility

*See glossary for definition of a ‘complete’ episode
Proportion of complete* first admission non-traumatic episodes by facility

*See glossary for definition of a ‘complete’ episode
### Traumatic and non-traumatic complete episodes by AN-SNAP class and impairment

**AN-SNAP class**

<table>
<thead>
<tr>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>All episodes</td>
<td>Completed episodes</td>
<td>%Complete</td>
</tr>
<tr>
<td>4AB1 (BI, weighted FIM motor 71-91, FIM cog 26-35)</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>4AB2 (BI, weighted FIM motor 71-91, FIM cog 5-25)</td>
<td>26</td>
<td>22</td>
</tr>
<tr>
<td>4AB3 (BI, weighted FIM motor 41-70, FIM cog 26-35)</td>
<td>24</td>
<td>23</td>
</tr>
<tr>
<td>4AB4 (BI, weighted FIM motor 41-70, FIM cog 17-25)</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>4AB5 (BI, weighted FIM motor 41-70, FIM cog 5-16)</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>4AB6 (BI, weighted FIM motor 29-40)</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>4AB7 (BI, weighted FIM motor 19-28)</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>4AP1 (MMT, weighted FIM motor 19-91)</td>
<td>14</td>
<td>13</td>
</tr>
<tr>
<td>4AZ1 (BI or MMT, age ≥ 49, weighted FIM motor 13-18)</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>4AZ2 (BI or MMT, age ≤ 48, weighted FIM motor 13-18)</td>
<td>6</td>
<td>5</td>
</tr>
</tbody>
</table>

**All Brain AN-SNAP classes**

| 122 | 109 | 89.3% | 1,237 | 1,076 | 87.0% | 1,943 | 1,660 | 85.4% |

Note: Excludes AN-SNAP class 499A.

### Traumatic impairments

<table>
<thead>
<tr>
<th>Impairment</th>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>All episodes</td>
<td>Completed episodes</td>
<td>%Complete</td>
<td>All episodes</td>
</tr>
<tr>
<td>2.21 Open injury</td>
<td>2</td>
<td>2</td>
<td>100.0%</td>
</tr>
<tr>
<td>2.22 Closed injury</td>
<td>41</td>
<td>38</td>
<td>92.7%</td>
</tr>
<tr>
<td>14.1 MMT: brain+spine</td>
<td>5</td>
<td>4</td>
<td>80.0%</td>
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<tr>
<td>14.2 MMT: brain+other</td>
<td>11</td>
<td>10</td>
<td>90.9%</td>
</tr>
<tr>
<td>Total TBI</td>
<td>59</td>
<td>54</td>
<td>91.5%</td>
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### Non-traumatic impairments

<table>
<thead>
<tr>
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<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
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<tbody>
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<td>All episodes</td>
<td>Completed episodes</td>
<td>%Complete</td>
<td>All episodes</td>
</tr>
<tr>
<td>2.11 Sub-arachnoid haemorrhage</td>
<td>21</td>
<td>14</td>
<td>66.7%</td>
</tr>
<tr>
<td>2.12 Anoxic brain damage</td>
<td>7</td>
<td>7</td>
<td>100.0%</td>
</tr>
<tr>
<td>2.13 Other NTBI</td>
<td>35</td>
<td>34</td>
<td>97.1%</td>
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<tr>
<td>Total NTBI</td>
<td>63</td>
<td>55</td>
<td>87.3%</td>
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<tr>
<td>TOTAL BI</td>
<td>122</td>
<td>109</td>
<td>89.3%</td>
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</table>
Review of FIM item scoring by AN-SNAP class
Interpreting your comparative FIM scoring charts

The FIM splat provides a graphic presentation of functional status in a radar chart. The 18 FIM items are arranged in order as 'spokes' of a wheel and the scoring levels from 1 (total dependence) to 7 (total independence) run from the centre outwards. The mean FIM item score for each item is indicated — a perfect score would be demonstrated as a large circle. The two FIM splats compare FIM scoring on admission (Figure A) and discharge (Figure B) between YOUR FACILITY and NATIONAL data — differences in the two shaded areas indicate differences in mean admission/discharge scoring. Graphs include completed episodes with valid FIM scoring.
Comparative FIM item scoring
AN-SNAP class 4AB1

4AB1 Admission FIM scores
- Your Facility (n=20)
- Specialist (n=267)

4AB1 Discharge FIM scores
- Your Facility (n=20)
- Specialist (n=267)
Comparative FIM item scoring
AN-SNAP class 4AB2

4AB2 Admission FIM scores
- Your Facility (n=23)
- Specialist (n=202)

4AB2 Discharge FIM scores
- Your Facility (n=23)
- Specialist (n=202)
Comparative FIM item scoring
AN-SNAP class 4AB3

4AB3 Admission FIM scores
- Your Facility (n=26)
- Specialist (n=112)

4AB3 Discharge FIM scores
- Your Facility (n=26)
- Specialist (n=112)
Comparative FIM item scoring
AN-SNAP class 4AB4

4AB4 Admission FIM scores
- Your Facility (n=12)
- Specialist (n=100)

4AB4 Discharge FIM scores
- Your Facility (n=12)
- Specialist (n=100)
Comparative FIM item scoring
AN-SNAP class 4AB5

4AB5 Admission FIM scores
- Your Facility (n=6)
- Specialist (n=71)

4AB5 Discharge FIM scores
- Your Facility (n=6)
- Specialist (n=71)
Comparative FIM item scoring
AN-SNAP class 4AB6

4AB6 Admission FIM scores
- Your Facility (n=6)
- Specialist (n=58)

4AB6 Discharge FIM scores
- Your Facility (n=6)
- Specialist (n=58)
Comparative FIM item scoring
AN-SNAP class 4AB7

4AB7 Admission FIM scores
- Your Facility (n=6)
- Specialist (n=47)

4AB7 Discharge FIM scores
- Your Facility (n=6)
- Specialist (n=47)
Comparative FIM item scoring
AN-SNAP class 4AP1

4AP1 Admission FIM scores
- Your Facility (n=14)
- Specialist (n=216)

4AP1 Discharge FIM scores
- Your Facility (n=14)
- Specialist (n=216)
Comparative FIM item scoring
AN-SNAP class 4AZ2

4AZ2 Admission FIM scores
- Your Facility (n=5)
- Specialist (n=71)

4AZ2 Discharge FIM scores
- Your Facility (n=5)
- Specialist (n=71)
Outcomes Analysis
Casemix-adjusted* relative means

Casemix-adjusted relative means with 95% confidence intervals

<table>
<thead>
<tr>
<th>Outcome measures</th>
<th>Traumatic</th>
<th>YOUR FACILITY</th>
<th>Non-Traumatic</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Casemix adjustment relative mean</td>
<td>95% CI</td>
<td>Casemix adjustment relative mean</td>
</tr>
<tr>
<td>Length of stay</td>
<td>-4.1</td>
<td>-14.6 to 6.5</td>
<td>-4.6</td>
</tr>
<tr>
<td>FIM change</td>
<td>-4.6</td>
<td>-9.5 to .3</td>
<td>-6.5</td>
</tr>
</tbody>
</table>

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Traumatic and non-traumatic casemix-adjusted* relative means

(base year = CY2015)

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Average LOS by AN-SNAP class over time

Note: First admission, completed episodes
### Average LOS by AN-SNAP class over time

<table>
<thead>
<tr>
<th>AN-SNAP class</th>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AB1 (Bl, weighted FIM motor 71-91, FIM cog 26-35)</td>
<td>11.3</td>
<td>12.5</td>
<td>13.5</td>
</tr>
<tr>
<td>4AB2 (Bl, weighted FIM motor 71-91, FIM cog 5-25)</td>
<td>28.3</td>
<td>26.4</td>
<td>22.3</td>
</tr>
<tr>
<td>4AB3 (Bl, weighted FIM motor 41-70, FIM cog 26-35)</td>
<td>18.3</td>
<td>23.4</td>
<td>16.6</td>
</tr>
<tr>
<td>4AB4 (Bl, weighted FIM motor 41-70, FIM cog 17-25)</td>
<td>25.0</td>
<td>24.7</td>
<td>32.0</td>
</tr>
<tr>
<td>4AB5 (Bl, weighted FIM motor 41-70, FIM cog 5-16)</td>
<td>—</td>
<td>—</td>
<td>33.3</td>
</tr>
<tr>
<td>4AB6 (Bl, weighted FIM motor 29-40)</td>
<td>37.0</td>
<td>29.8</td>
<td>—</td>
</tr>
<tr>
<td>4AB7 (Bl, weighted FIM motor 19-28)</td>
<td>42.8</td>
<td>41.0</td>
<td>—</td>
</tr>
<tr>
<td>4AP1 (MMT, weighted FIM motor 19-91)</td>
<td>33.3</td>
<td>20.0</td>
<td>46.1</td>
</tr>
<tr>
<td>4AZ1 (Bl or MMT, age ≥ 49, weighted FIM motor 13-18)</td>
<td>—</td>
<td>61.0</td>
<td>37.0</td>
</tr>
<tr>
<td>4AZ2 (Bl or MMT, age ≤ 48, weighted FIM motor 13-18)</td>
<td>—</td>
<td>—</td>
<td>135.0</td>
</tr>
<tr>
<td>All Brain AN-SNAP classes</td>
<td>29.7</td>
<td>28.5</td>
<td>34.5</td>
</tr>
</tbody>
</table>

Note: First admission, completed episodes

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Traumatic ALOS by AN-SNAP class

Note: First admission, completed episodes

A ROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Non-traumatic ALOS by AN-SNAP class

Note: First admission, completed episodes

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Traumatic casemix-adjusted* relative mean LOS by AN-SNAP class

*Casemix Adjustment is by CY2015 Specialist Units first admissions

AORC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Non-traumatic casemix-adjusted* relative mean LOS by AN-SNAP class

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Traumatic ALOS by impairment

![Graph showing average length of stay (days) for different impairment codes.]

Note: First admission, completed episodes

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
**Non-traumatic ALOS by impairment**

![Bar chart showing average length of stay (days) for different impairment codes.](chart)

- **Impairment code 2.11 (n=14)**
- **Impairment code 2.12 (n=7)**
- **Impairment code 2.13 (n=34)**

**Note:** First admission, completed episodes

A ROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Traumatic casemix-adjusted* relative mean LOS by impairment

*Casemix Adjustment is by CY2015 Specialist Units first admissions

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Non-traumatic casemix-adjusted* relative mean LOS by impairment

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Average FIM change by AN-SNAP class over time

Note: First admission, completed episodes
## Average FIM change by AN-SNAP class over time

<table>
<thead>
<tr>
<th>AN-SNAP class</th>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AB1 (BI, weighted FIM motor 71-91, FIM cog 26-35)</td>
<td>14.2</td>
<td>9.8</td>
<td>9.3</td>
</tr>
<tr>
<td></td>
<td>9.1</td>
<td>10.4</td>
<td>8.8</td>
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<tr>
<td></td>
<td>12.2</td>
<td>10.7</td>
<td>10.5</td>
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<tr>
<td></td>
<td>11.7</td>
<td>10.5</td>
<td>9.8</td>
</tr>
<tr>
<td>4AB2 (BI, weighted FIM motor 71-91, FIM cog 5-25)</td>
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<td>16.8</td>
<td>14.6</td>
</tr>
<tr>
<td></td>
<td>13.3</td>
<td>15.9</td>
<td>14.8</td>
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<tr>
<td></td>
<td>14.0</td>
<td>14.0</td>
<td>15.1</td>
</tr>
<tr>
<td>4AB3 (BI, weighted FIM motor 41-70, FIM cog 26-35)</td>
<td>21.2</td>
<td>25.6</td>
<td>28.4</td>
</tr>
<tr>
<td></td>
<td>27.3</td>
<td>26.5</td>
<td>26.6</td>
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<tr>
<td></td>
<td>24.4</td>
<td>25.7</td>
<td>24.6</td>
</tr>
<tr>
<td>4AB4 (BI, weighted FIM motor 41-70, FIM cog 17-25)</td>
<td>30.8</td>
<td>34.3</td>
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<tr>
<td></td>
<td>29.9</td>
<td>33.7</td>
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<tr>
<td></td>
<td>29.0</td>
<td>34.5</td>
<td>34.0</td>
</tr>
<tr>
<td>4AB5 (BI, weighted FIM motor 41-70, FIM cog 5-16)</td>
<td>—</td>
<td>43.9</td>
<td>43.0</td>
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<tr>
<td></td>
<td>—</td>
<td>41.5</td>
<td>43.0</td>
</tr>
<tr>
<td></td>
<td>—</td>
<td>40.6</td>
<td>42.1</td>
</tr>
<tr>
<td>4AB6 (BI, weighted FIM motor 29-40)</td>
<td>31.9</td>
<td>56.2</td>
<td>42.3</td>
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<td></td>
<td>25.4</td>
<td>53.2</td>
<td>33.8</td>
</tr>
<tr>
<td></td>
<td>—</td>
<td>58.5</td>
<td>34.6</td>
</tr>
<tr>
<td>4AB7 (BI, weighted FIM motor 19-28)</td>
<td>48.0</td>
<td>55.1</td>
<td>50.0</td>
</tr>
<tr>
<td></td>
<td>41.4</td>
<td>58.4</td>
<td>44.0</td>
</tr>
<tr>
<td></td>
<td>—</td>
<td>60.8</td>
<td>36.3</td>
</tr>
<tr>
<td>4AP1 (MMT, weighted FIM motor 19-91)</td>
<td>28.8</td>
<td>38.1</td>
<td>34.0</td>
</tr>
<tr>
<td></td>
<td>38.8</td>
<td>37.8</td>
<td>28.5</td>
</tr>
<tr>
<td></td>
<td>33.7</td>
<td>36.9</td>
<td>30.2</td>
</tr>
<tr>
<td>4AZ1 (BI or MMT, age ≥ 49, weighted FIM motor 13-18)</td>
<td>—</td>
<td>68.6</td>
<td>32.8</td>
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<tr>
<td></td>
<td>43.6</td>
<td>65.2</td>
<td>45.4</td>
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<td></td>
<td>30.8</td>
<td>60.7</td>
<td>37.1</td>
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<tr>
<td>4AZ2 (BI or MMT, age ≤ 48, weighted FIM motor 13-18)</td>
<td>—</td>
<td>58.6</td>
<td>36.1</td>
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<td>31.8</td>
</tr>
<tr>
<td></td>
<td>—</td>
<td>54.3</td>
<td>—</td>
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<tr>
<td>All Brain AN-SNAP classes</td>
<td>28.7</td>
<td>38.1</td>
<td>24.3</td>
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<tr>
<td></td>
<td>27.4</td>
<td>37.8</td>
<td>24.0</td>
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<td>26.8</td>
<td>36.9</td>
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<td></td>
<td>30.1</td>
<td>35.0</td>
<td>23.1</td>
</tr>
<tr>
<td></td>
<td>22.9</td>
<td>30.8</td>
<td>22.5</td>
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</table>

**Note:** First admission, completed episodes
Traumatic average FIM change by AN-SNAP class

Note: First admission, completed episodes

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Non-traumatic average FIM change by AN-SNAP class

Note: First admission, completed episodes
Traumatic casemix-adjusted* relative mean FIM change by AN-SNAP class

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Non-traumatic casemix-adjusted* relative mean FIM change by AN-SNAP class

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Traumatic average FIM change by impairment

Note: First admission, completed episodes

YOUR FACILITY  SPECIALIST  NON-SPECIALIST

Impairment code

2.21 (n<5)  2.22 (n=38)  14.1 (n<5)  14.2 (n=10)
Non-traumatic average FIM change by impairment

Note: First admission, completed episodes
Traumatic casemix-adjusted* relative mean FIM change by impairment

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Non-traumatic casemix-adjusted* relative mean FIM change by impairment

Casemix Adjusted Relative Mean FIM change (points)

Impairment code

YOUR FACILITY SPECIALIST NON-SPECIALIST

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Casemix-adjusted* relative mean LOS and FIM change by number of comorbidities

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Casemix-adjusted* relative mean LOS and FIM change by type of comorbidity

*Casemix Adjustment is by CY2015 Specialist Units first admissions

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Casemix-adjusted* relative mean LOS and FIM change by number of complications

*Casemix Adjustment is by CY2015 Specialist Units first admissions
Casemix-adjusted* relative mean LOS and FIM change by type of complication

<table>
<thead>
<tr>
<th>Complication</th>
<th>Cases</th>
</tr>
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<tbody>
<tr>
<td>UTI</td>
<td>43</td>
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<tr>
<td>Incontinence faecal</td>
<td>40</td>
</tr>
<tr>
<td>Incontinence urinary</td>
<td>47</td>
</tr>
<tr>
<td>Delirium</td>
<td>14</td>
</tr>
<tr>
<td>Fracture</td>
<td>48</td>
</tr>
<tr>
<td>Pressure ulcer</td>
<td>7</td>
</tr>
<tr>
<td>Wound infection</td>
<td>12</td>
</tr>
<tr>
<td>DVT/PE</td>
<td>15</td>
</tr>
<tr>
<td>Chest infection</td>
<td>9</td>
</tr>
<tr>
<td>Significant electrolyte imbalance</td>
<td>14</td>
</tr>
<tr>
<td>Fall</td>
<td>24</td>
</tr>
<tr>
<td>Faecal impaction</td>
<td>7</td>
</tr>
<tr>
<td>Other</td>
<td>121</td>
</tr>
</tbody>
</table>

*Casemix Adjustment is by CY2015 Specialist Units first admissions

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Explanatory Data
Type of accommodation prior to impairment

Proportion of episodes

- Private Residence
- Rest home (NZ only)
- Residential Aged Care (AU) / 24hr Nursing Care (NZ)
- Other

YOUR FACILITY
- All Traumatic impairments (n=60)
- All Non-Traumatic impairments (n=71)

SPECIALIST
- All Traumatic impairments (n=893)
- All Non-Traumatic impairments (n=417)

NON-SPECIALIST
- All Traumatic impairments (n=762)
- All Non-Traumatic impairments (n=1,399)
Days from injury to episode start with an acute admission by AN-SNAP class

<table>
<thead>
<tr>
<th>YOUR FACILITY</th>
<th>Days from injury to acute admission</th>
<th>Days from acute admission to rehabilitation episode start</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AB1 (n=16)</td>
<td>0.3</td>
<td>21.1</td>
</tr>
<tr>
<td>4AB2 (n=20)</td>
<td>0.0</td>
<td>20.2</td>
</tr>
<tr>
<td>4AB3 (n=12)</td>
<td>0.1</td>
<td>17.8</td>
</tr>
<tr>
<td>4AB4 (n=8)</td>
<td>0.4</td>
<td>11.9</td>
</tr>
<tr>
<td>4AB5 (n=5)</td>
<td>0.0</td>
<td>19.0</td>
</tr>
<tr>
<td>4AB6 (n=7)</td>
<td>0.0</td>
<td>45.0</td>
</tr>
<tr>
<td>4AB7 (n&lt;5)*</td>
<td>0.0</td>
<td>25.2</td>
</tr>
<tr>
<td>4AP1 (n=11)</td>
<td>0.0</td>
<td>48.8</td>
</tr>
<tr>
<td>4AZ1 (n&lt;5)*</td>
<td>0.0</td>
<td>24.4</td>
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<td>4AZ2 (n=6)</td>
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</tr>
<tr>
<td>All AN-SNAP classes (n=90)</td>
<td>0.0</td>
<td>24.4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPECIALIST</th>
<th>Days from injury to acute admission</th>
<th>Days from acute admission to rehabilitation episode start</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AB1 (n=220)</td>
<td>0.3</td>
<td>18.5</td>
</tr>
<tr>
<td>4AB2 (n=191)</td>
<td>0.2</td>
<td>23.0</td>
</tr>
<tr>
<td>4AB3 (n=55)</td>
<td>0.1</td>
<td>17.7</td>
</tr>
<tr>
<td>4AB4 (n=73)</td>
<td>0.0</td>
<td>22.9</td>
</tr>
<tr>
<td>4AB5 (n=55)</td>
<td>0.1</td>
<td>30.0</td>
</tr>
<tr>
<td>4AB6 (n=54)</td>
<td>0.0</td>
<td>32.9</td>
</tr>
<tr>
<td>4AB7 (n=41)</td>
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<td>33.3</td>
</tr>
<tr>
<td>4AP1 (n=129)</td>
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<td>26.5</td>
</tr>
<tr>
<td>4AZ1 (n=48)</td>
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<td>40.9</td>
</tr>
<tr>
<td>4AZ2 (n=69)</td>
<td>0.0</td>
<td>45.8</td>
</tr>
<tr>
<td>All AN-SNAP classes (n=936)</td>
<td>0.0</td>
<td>26.1</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>NON-SPECIALIST</th>
<th>Days from injury to acute admission</th>
<th>Days from acute admission to rehabilitation episode start</th>
</tr>
</thead>
<tbody>
<tr>
<td>All AN-SNAP classes (n=1,411)</td>
<td>0.2</td>
<td>19.2</td>
</tr>
</tbody>
</table>

*No data provided when less than 5 episodes have dates

Note: First admission episodes
Days from injury to episode start with an acute admission by facility

- Amber*
- Aqua
- Black
- Blue
- Crimson
- Green
- Jade
- Maroon
- Orange*
- Purple
- Red
- Sapphire
- Silver
- Violet
- White
- Yellow
- Specialist Units (n=936)
- Non-specialist Units (n=1,411)

*No data provided when less than 5 episodes have dates

Note: First admission episodes

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## Days from referral to episode start by facility

![Bar chart showing the average number of days from referral to episode start by facility.

### Specialist Units (n=924)

- **Amber***: 0 days
- **Aqua**: 3.0 days
- **Black**: 2.1 days
- **Blue**: 4.0 days
- **Crimson**: 1.5 days
- **Green**: 1.1 days
- **Jade**: 3.0 days
- **Maroon**: 1.0 days
- **Orange***: 0 days
- **Purple**: 2.6 days
- **Red***: 0 days
- **Sapphire**: 1.2 days
- **Silver**: 1.3 days
- **Violet**: 3.6 days
- **White**: 3.1 days
- **Yellow**: 1.2 days

### Non-specialist Units (n=1,796)

- **Specialist Units (n=924)**
  - **Amber***: 0 days
  - **Aqua**: 7.0 days
  - **Black**: 1.9 days
  - **Blue**: 7.7 days
  - **Crimson**: 0.4 days
  - **Green**: 2.3 days
  - **Jade**: 9.9 days
  - **Maroon**: 2.6 days
  - **Orange***: 9.1 days
  - **Purple**: 0.0 days
  - **Red***: 0.0 days
  - **Sapphire**: 0.8 days
  - **Silver**: 1.5 days
  - **Violet**: 2.2 days
  - **White**: 1.5 days
  - **Yellow**: 0.0 days

### Average number of days

- **Referral to assessment**:
  - Specialist Units: 0.0 days
  - Non-specialist Units: 0.0 days
- **Assessment to clinically rehab ready**:
  - Specialist Units: 7.0 days
  - Non-specialist Units: 9.1 days
- **Clinically rehab ready to episode start**:
  - Specialist Units: 1.6 days
  - Non-specialist Units: 0.0 days

*No data provided when less than 5 episodes have dates*

**Note**: First admission episodes

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015

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Reason for delay in episode start

- Patient related issues
- Service issues
- External support issues
- Equipment issues
- Behavioural issues
- Reason(s) not specified

Proportion of episodes

YOUR FACILITY SPECIALIST NON-SPECIALIST
## Delays in episode start

<table>
<thead>
<tr>
<th>Delay in episode start</th>
<th>YOUR FACILITY</th>
<th></th>
<th></th>
<th>SPECIALIST</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
<td></td>
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<tr>
<td>No delay</td>
<td>103</td>
<td>75.7</td>
<td>937</td>
<td>66.9</td>
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<tr>
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<td>13.2</td>
<td>149</td>
<td>10.6</td>
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<tr>
<td>Missing</td>
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<td>314</td>
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<td>All episodes in private residence</td>
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<td>100.0</td>
<td>1,400</td>
<td>100.0</td>
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<table>
<thead>
<tr>
<th>Delay in episode start</th>
<th>YOUR FACILITY</th>
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<th></th>
<th>SPECIALIST</th>
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<tbody>
<tr>
<td></td>
<td>No.</td>
<td>%</td>
<td>No.</td>
<td>%</td>
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<td>Patient related issues</td>
<td>6</td>
<td>33.3</td>
<td>47</td>
<td>31.5</td>
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</tr>
<tr>
<td>Service issues</td>
<td>10</td>
<td>55.6</td>
<td>94</td>
<td>63.1</td>
<td></td>
</tr>
<tr>
<td>External support issues</td>
<td>1</td>
<td>5.6</td>
<td>5</td>
<td>3.4</td>
<td></td>
</tr>
<tr>
<td>Equipment issues</td>
<td>0</td>
<td>0.0</td>
<td>0</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Behavioural issues</td>
<td>2</td>
<td>11.1</td>
<td>10</td>
<td>6.7</td>
<td></td>
</tr>
<tr>
<td>Reason(s) not specified</td>
<td>0</td>
<td>0.0</td>
<td>0</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>
**Discharge destination**

![Bar chart showing discharge destinations]

- **Your Facility**:
  - Remain in Hospital: 0%
  - Interim Accom: 10%
  - Final Accom: 90%
  - Back to community: 100%

- **Specialist**:
  - Remain in Hospital: 0%
  - Interim Accom: 10%
  - Final Accom: 90%
  - Back to community: 100%

- **Non-Specialist**:
  - Remain in Hospital: 0%
  - Interim Accom: 10%
  - Final Accom: 90%
  - Back to community: 100%
Mode of episode end by AN-SNAP class

YOUR FACILITY

<table>
<thead>
<tr>
<th>AN-SNAP Class</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AB1</td>
<td>20</td>
</tr>
<tr>
<td>4AB2</td>
<td>27</td>
</tr>
<tr>
<td>4AB3</td>
<td>27</td>
</tr>
<tr>
<td>4AB4</td>
<td>13</td>
</tr>
<tr>
<td>4AB5</td>
<td>7</td>
</tr>
<tr>
<td>4AB6</td>
<td>7</td>
</tr>
<tr>
<td>4AB7</td>
<td>7</td>
</tr>
<tr>
<td>4AP1</td>
<td>15</td>
</tr>
<tr>
<td>4AZ1</td>
<td>&lt;5</td>
</tr>
<tr>
<td>4AZ2</td>
<td>9</td>
</tr>
<tr>
<td>All AN-SNAP classes</td>
<td>127</td>
</tr>
</tbody>
</table>

SPECIALIST

<table>
<thead>
<tr>
<th>AN-SNAP Class</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AB1</td>
<td>279</td>
</tr>
<tr>
<td>4AB2</td>
<td>240</td>
</tr>
<tr>
<td>4AB3</td>
<td>124</td>
</tr>
<tr>
<td>4AB4</td>
<td>116</td>
</tr>
<tr>
<td>4AB5</td>
<td>80</td>
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<tr>
<td>4AB6</td>
<td>70</td>
</tr>
<tr>
<td>4AB7</td>
<td>60</td>
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<tr>
<td>4AP1</td>
<td>243</td>
</tr>
<tr>
<td>4AZ1</td>
<td>73</td>
</tr>
<tr>
<td>4AZ2</td>
<td>112</td>
</tr>
<tr>
<td>All AN-SNAP classes</td>
<td>1,285</td>
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</table>

NON-SPECIALIST

<table>
<thead>
<tr>
<th>AN-SNAP Class</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>All AN-SNAP classes</td>
<td>2,129</td>
</tr>
</tbody>
</table>

A ROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
## Discharge destination by AN-SNAP class

<table>
<thead>
<tr>
<th>AN-SNAP class</th>
<th>Final Accom</th>
<th>Interim Accom</th>
<th>Remaining in Hospital</th>
<th>Other</th>
<th>Unknown</th>
<th>Final Accom</th>
<th>Interim Accom</th>
<th>Remaining in Hospital</th>
<th>Other</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your Facility</td>
<td>20</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>100.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>4AB2</td>
<td>22</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>81.5</td>
<td>3.7</td>
<td>3.7</td>
<td>11.1</td>
<td>0.0</td>
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<tr>
<td>4AB3</td>
<td>24</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>88.9</td>
<td>7.4</td>
<td>0.0</td>
<td>3.7</td>
<td>0.0</td>
</tr>
<tr>
<td>4AB4</td>
<td>11</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>84.6</td>
<td>7.7</td>
<td>7.7</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>4AB5</td>
<td>5</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>71.4</td>
<td>0.0</td>
<td>28.6</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>4AB6</td>
<td>3</td>
<td>3</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>42.9</td>
<td>42.9</td>
<td>14.3</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>4AB7</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>71.4</td>
<td>14.3</td>
<td>14.3</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>4AP1</td>
<td>13</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>86.7</td>
<td>6.7</td>
<td>0.0</td>
<td>6.7</td>
<td>0.0</td>
</tr>
<tr>
<td>4AZ1</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>50.0</td>
<td>0.0</td>
<td>50.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>4AZ2</td>
<td>5</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>55.6</td>
<td>0.0</td>
<td>44.4</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>All AN-SNAP classes</td>
<td>105</td>
<td>9</td>
<td>8</td>
<td>5</td>
<td>0</td>
<td>82.7</td>
<td>7.1</td>
<td>6.3</td>
<td>3.9</td>
<td>0.0</td>
</tr>
<tr>
<td>Specialist Units</td>
<td>1,039</td>
<td>66</td>
<td>135</td>
<td>45</td>
<td>0</td>
<td>80.9</td>
<td>5.1</td>
<td>10.5</td>
<td>3.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Non-Specialist Units</td>
<td>1,613</td>
<td>158</td>
<td>323</td>
<td>32</td>
<td>3</td>
<td>75.8</td>
<td>7.4</td>
<td>15.2</td>
<td>1.5</td>
<td>0.1</td>
</tr>
</tbody>
</table>
Traumatic and non-traumatic mode of episodes end

- **YOUR FACILITY**
  - All Traumatic impairments (n=62)
  - All Non-Traumatic impairments (n=74)

- **SPECIALIST**
  - All Traumatic impairments (n=950)
  - All Non-Traumatic impairments (n=450)

- **NON-SPECIALIST**
  - All Traumatic impairments (n=768)
  - All Non-Traumatic impairments (n=1,410)

Proportion of episodes
## Employment status prior and post impairment

<table>
<thead>
<tr>
<th>Employment status</th>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>%</td>
<td>No.</td>
</tr>
<tr>
<td>Prior to this impairment:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td>41</td>
<td>31.3</td>
<td>681</td>
</tr>
<tr>
<td>Unemployed</td>
<td>15</td>
<td>11.5</td>
<td>191</td>
</tr>
<tr>
<td>Student/child</td>
<td>6</td>
<td>4.6</td>
<td>87</td>
</tr>
<tr>
<td>Not in the labour force</td>
<td>19</td>
<td>14.5</td>
<td>114</td>
</tr>
<tr>
<td>Retired for age</td>
<td>44</td>
<td>33.6</td>
<td>189</td>
</tr>
<tr>
<td>Retired for disability</td>
<td>6</td>
<td>4.6</td>
<td>48</td>
</tr>
<tr>
<td>Not answered</td>
<td>5</td>
<td>3.7</td>
<td>90</td>
</tr>
<tr>
<td>Total</td>
<td>136</td>
<td>100.0</td>
<td>1,400</td>
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</table>

<table>
<thead>
<tr>
<th>After discharge (if previously employed):</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Same or similar job, same or similar hours</td>
<td>6</td>
<td>16.7</td>
<td>139</td>
<td>25.2</td>
<td>45</td>
<td>10.1</td>
</tr>
<tr>
<td>Same or similar job, reduced hours</td>
<td>3</td>
<td>8.3</td>
<td>25</td>
<td>4.5</td>
<td>24</td>
<td>5.4</td>
</tr>
<tr>
<td>Different job by choice</td>
<td>0</td>
<td>0.0</td>
<td>4</td>
<td>0.7</td>
<td>2</td>
<td>0.4</td>
</tr>
<tr>
<td>Different job due to reduced function</td>
<td>0</td>
<td>0.0</td>
<td>10</td>
<td>1.8</td>
<td>6</td>
<td>1.3</td>
</tr>
<tr>
<td>Not able to work</td>
<td>7</td>
<td>19.4</td>
<td>89</td>
<td>16.1</td>
<td>70</td>
<td>15.7</td>
</tr>
<tr>
<td>Chosen to retire</td>
<td>1</td>
<td>2.8</td>
<td>9</td>
<td>1.6</td>
<td>14</td>
<td>3.1</td>
</tr>
<tr>
<td>Too early to determine</td>
<td>19</td>
<td>52.8</td>
<td>276</td>
<td>50.0</td>
<td>285</td>
<td>63.9</td>
</tr>
<tr>
<td>Not answered</td>
<td>5</td>
<td>12.9</td>
<td>129</td>
<td></td>
<td>50</td>
<td></td>
</tr>
<tr>
<td><strong>Total employed prior</strong></td>
<td>41</td>
<td>100.0</td>
<td>681</td>
<td>100.0</td>
<td>496</td>
<td>100.0</td>
</tr>
</tbody>
</table>
Traumatic and non-traumatic Interim accommodation post discharge

Proportion of episodes

- Private Residence
- Rest Home (NZ only)
- Residential Aged Care (AU) / 24hr Nursing Care (NZ)
- Hospital
- Other

YOUR FACILITY

All Traumatic impairments (n=5)

All Non-Traumatic impairments (n<5)

SPECIALIST

All Traumatic impairments (n=57)

All Non-Traumatic impairments (n=18)

NON-SPECIALIST

All Traumatic impairments (n=62)

All Non-Traumatic impairments (n=97)
Final accommodation post discharge by AN-SNAP class

Proportion of episodes

- Private Residence
- Rest Home (NZ only)
- Residential Aged Care (AU) / 24hr Nursing Care (NZ)
- Other

SPECIALIST

- 4AB1 (n=20)
- 4AB2 (n=23)
- 4AB3 (n=26)
- 4AB4 (n=12)
- 4AB5 (n=5)
- 4AB6 (n=6)
- 4AB7 (n=6)
- 4AP1 (n=14)
- 4AZ1 (n<5)
- 4AZ2 (n=5)

All AN-SNAP classes (n=119)

YOUR FACILITY

- 4AB1 (n=265)
- 4AB2 (n=197)
- 4AB3 (n=111)
- 4AB4 (n=97)
- 4AB5 (n=67)
- 4AB6 (n=54)
- 4AB7 (n=42)
- 4AP1 (n=214)
- 4AZ1 (n=42)
- 4AZ2 (n=70)

All AN-SNAP classes (n=1,159)
Traumatic and non-traumatic final accommodation post discharge

**YOUR FACILITY**

- All Traumatic impairments (n=56)
- All Non-Traumatic impairments (n=63)

**SPECIALIST**

- All Traumatic impairments (n=796)
- All Non-Traumatic impairments (n=363)

**NON-SPECIALIST**

- All Traumatic impairments (n=633)
- All Non-Traumatic impairments (n=1,138)

Proportion of episodes

- Private Residence
- Rest Home (NZ only)
- Residential Aged Care (AU) / 24hr Nursing Care (NZ)
- Other
Carer status post discharge

- CARER living in - codependent
- CARER living in - NOT codependent
- CARER NOT living in
- NO CARER and NEEDS one
- NO CARER and DOES NOT need one
Any services received post discharge by carer status

- No carer and does not need one (n=33)
- Carer NOT living in - codependent (n=9)
- All episodes in private residence (n=91)
- No carer and does not need one (n=434)
- Carer living in - codependent (n=129)
- All episodes in private residence (n=808)
- No carer and needs one (n=7)
- Carer NOT living in - codependent (n=198)
- All episodes in private residence (n=1,484)
- Carer living in - NOT codependent (n=32)
- Carer living in - NOT codependent (n=589)
- All episodes in private residence (n=1,484)
- No carer and needs one (n=24)
- Carer NOT living in - codependent (n=137)
- All episodes in private residence (n=1,484)

Proportion of episodes

- Services received
- No services received

YOUR FACILITY (n=91)
SPECIALIST (n=808)
NON-SPECIALIST (n=1,484)
### Carer status and any services received post discharge

<table>
<thead>
<tr>
<th>Carer status post discharge</th>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>%</td>
<td>No.</td>
</tr>
<tr>
<td>NO CARER and DOES NOT need one</td>
<td>33</td>
<td>36.3</td>
<td>434</td>
</tr>
<tr>
<td>NO CARER and NEEDS one</td>
<td>3</td>
<td>3.3</td>
<td>7</td>
</tr>
<tr>
<td>CARER NOT living in</td>
<td>14</td>
<td>15.4</td>
<td>40</td>
</tr>
<tr>
<td>CARER living in - NOT codependent</td>
<td>32</td>
<td>35.2</td>
<td>198</td>
</tr>
<tr>
<td>CARER living in - codependent</td>
<td>9</td>
<td>9.9</td>
<td>129</td>
</tr>
<tr>
<td>Missing</td>
<td>12</td>
<td>24.3</td>
<td></td>
</tr>
<tr>
<td>All episodes in private residence</td>
<td>103</td>
<td>100.0</td>
<td>1,051</td>
</tr>
</tbody>
</table>

### Any services received post discharge?

<table>
<thead>
<tr>
<th>Carer status post discharge</th>
<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes (%)</td>
<td>No (%)</td>
<td>Yes (%)</td>
</tr>
<tr>
<td>NO CARER and DOES NOT need one</td>
<td>54.5</td>
<td>45.5</td>
<td>73.3</td>
</tr>
<tr>
<td>NO CARER and NEEDS one</td>
<td>100.0</td>
<td>0.0</td>
<td>71.4</td>
</tr>
<tr>
<td>CARER NOT living in</td>
<td>85.7</td>
<td>14.3</td>
<td>85.0</td>
</tr>
<tr>
<td>CARER living in - NOT codependent</td>
<td>53.1</td>
<td>46.9</td>
<td>46.5</td>
</tr>
<tr>
<td>CARER living in - codependent</td>
<td>66.7</td>
<td>33.3</td>
<td>69.0</td>
</tr>
<tr>
<td>All episodes in private residence</td>
<td>61.5</td>
<td>38.5</td>
<td>66.6</td>
</tr>
</tbody>
</table>
Number of services received post discharge by carer status

Proportion of episodes

<table>
<thead>
<tr>
<th>4+ service types</th>
<th>3 service types</th>
<th>2 service types</th>
<th>1 service type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO CARER and NEEDS one (n=7)</td>
<td>CARER NOT living in - NOT codependent (n=40)</td>
<td>CARER living in - codependent (n=129)</td>
<td>SPECIALIST (n=808)</td>
</tr>
<tr>
<td>NO CARER and DOES NOT need one (n=33)</td>
<td>CARER living in - NOT codependent (n=9)</td>
<td>CARER NOT living in - NOT codependent (n=196)</td>
<td>YOUR FACILITY (n=91)</td>
</tr>
<tr>
<td>CARER NOT living in (n=14)</td>
<td>CARER living in - NOT codependent (n=32)</td>
<td>CARER NOT living in - codependent (n=129)</td>
<td></td>
</tr>
<tr>
<td>CARER NOT living in (n=14)</td>
<td>CARER living in - NOT codependent (n=32)</td>
<td>CARER NOT living in - codependent (n=129)</td>
<td></td>
</tr>
</tbody>
</table>

AROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
Type of services received post discharge

Proportion of episodes

- Domestic assistance
- Social support
- Nursing care
- Allied health care
- Personal care
- Meals
- Provision of goods & equipment
- Transport services
- Case management

YOUR FACILITY
SPECIALIST
NON-SPECIALIST
Type of services received post discharge by carer status

Proportion of episodes

YOUR FACILITY (n=91)

SPECIALIST (n=808)

Case management
Transport services
Provision of goods & equipment
Meals
Personal care
Allied health care
Nursing care
Social support
Domestic assistance

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
## Number and type of services received post Discharge by carer status – YOUR FACILITY

<table>
<thead>
<tr>
<th>Services received post discharge</th>
<th>Carer status post discharge</th>
<th>All episodes in private residence</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NO CARER and</td>
<td>NO CARER and</td>
</tr>
<tr>
<td></td>
<td>DOES NOT need one</td>
<td>NEEDS one</td>
</tr>
<tr>
<td>Number of episodes in private residence</td>
<td>33</td>
<td>3</td>
</tr>
<tr>
<td>Percent of episodes receiving:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No services</td>
<td>45.5</td>
<td>0.0</td>
</tr>
<tr>
<td>1 service type</td>
<td>24.2</td>
<td>0.0</td>
</tr>
<tr>
<td>2 service types</td>
<td>18.2</td>
<td>66.7</td>
</tr>
<tr>
<td>3 service types</td>
<td>9.1</td>
<td>0.0</td>
</tr>
<tr>
<td>4 or more service types</td>
<td>3.0</td>
<td>33.3</td>
</tr>
</tbody>
</table>

### Service Type received

<table>
<thead>
<tr>
<th>Service Type received</th>
<th>NO CARER and DOES NOT need one</th>
<th>NO CARER and NEEDS one</th>
<th>CARER NOT living in NOT codependent</th>
<th>CARER living in - NOT codependent</th>
<th>CARER living in - codependent</th>
<th>All episodes in private residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic assistance</td>
<td>18.2</td>
<td>100.0</td>
<td>42.9</td>
<td>15.6</td>
<td>22.2</td>
<td>0.2</td>
</tr>
<tr>
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# Number and type of services received post Discharge by carer status – SPECIALIST

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<td><strong>Service Type received</strong></td>
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<td>Domestic assistance</td>
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<td>Social support</td>
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<td>Allied health care</td>
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<td>Meals</td>
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<td>Provision of goods &amp; equipment</td>
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<td>Transport services</td>
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Number and type of services received post Discharge by carer status – NON SPECIALIST

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<th>Carer status post discharge</th>
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<td>Percent of episodes receiving:</td>
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<td>Service Type received</td>
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<td>Social support</td>
<td>4.4</td>
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<tr>
<td>Nursing care</td>
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<td>Allied health care</td>
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<td>Personal care</td>
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<tr>
<td>Meals</td>
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<tr>
<td>Provision of goods &amp; equipment</td>
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<td>Transport services</td>
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<td>Case management</td>
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Brain Injury Specific Data
Days from injury to episode start with an acute admission by duration of PTA

![Graph showing average number of days from injury to acute admission, acute admission to episode start, and episode start to episode end for different durations of PTA.]

- **YOUR FACILITY**
  - Never in PTA (n<5)
  - 1 day (n<5)
  - 2-7 days (n<5)
  - 8-28 days (n=10)
  - 29-90 days (n=9)
  - 91-182 days (n<5)
  - Chronic amnesic (n<5)
  - In PTA at discharge (n<5)
  - Total (n=28)

- **SPECIALIST**
  - Never in PTA (n=26)
  - 1 day (n=5)
  - 2-7 days (n=42)
  - 8-28 days (n=191)
  - 29-90 days (n=122)
  - 91-182 days (n=18)
  - Chronic amnesic (n=5)
  - In PTA at discharge (n=40)
  - Total (n=449)

- **NON-SPECIALIST**
  - Total (n=441)

A ROC Impairment Specific Report on Brain Injury Impairments (Inpatient - pathway 3) — Anywhere Hospital — Jan-Dec 2015
### ALOS by AN-SNAP class and duration of PTA

<table>
<thead>
<tr>
<th>AN-SNAP class</th>
<th>Never in PTA</th>
<th>1 day</th>
<th>2-7 days</th>
<th>8-28 days</th>
<th>29-90 days</th>
<th>91-182 days</th>
<th>Chronic amnesic</th>
<th>In PTA at discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>4AB1 (BI, weighted FIM motor 71-91, FIM cog 26-35)</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
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</tr>
<tr>
<td>4AB3 (BI, weighted FIM motor 41-70, FIM cog 26-35)</td>
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</tr>
<tr>
<td>4AB4 (BI, weighted FIM motor 41-70, FIM cog 17-25)</td>
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<td>—</td>
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</tr>
<tr>
<td>4AB5 (BI, weighted FIM motor 41-70, FIM cog 5-16)</td>
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<td>4AB6 (BI, weighted FIM motor 29-40)</td>
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<td>4AP1 (MMT, weighted FIM motor 19-91)</td>
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<tr>
<th>AN-SNAP class</th>
<th>Never in PTA</th>
<th>1 day</th>
<th>2-7 days</th>
<th>8-28 days</th>
<th>29-90 days</th>
<th>91-182 days</th>
<th>Chronic amnesic</th>
<th>In PTA at discharge</th>
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<tbody>
<tr>
<td>4AB1 (BI, weighted FIM motor 71-91, FIM cog 26-35)</td>
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<td>—</td>
<td>18.8</td>
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<th>AN-SNAP class</th>
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<th>2-7 days</th>
<th>8-28 days</th>
<th>29-90 days</th>
<th>91-182 days</th>
<th>Chronic amnesic</th>
<th>In PTA at discharge</th>
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<td>15.1</td>
<td>14.2</td>
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### Average FIM admission by AN-SNAP class and duration of PTA

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<th>YOUR FACILITY</th>
<th>SPECIALIST</th>
<th>NON-SPECIALIST</th>
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<td>2-7 days</td>
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<td>4AB3 (BI, weighted FIM motor 41-70, FIM cog 26-35)</td>
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<td>4AB4 (BI, weighted FIM motor 41-70, FIM cog 17-25)</td>
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<td>4AB5 (BI, weighted FIM motor 41-70, FIM cog 5-16)</td>
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<tr>
<td>4AB7 (BI, weighted FIM motor 19-28)</td>
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<td>4AP1 (MMT, weighted FIM motor 19-91)</td>
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<td>All Brain AN-SNAP classes</td>
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<th>AN-SNAP class</th>
<th>Never in PTA</th>
<th>1 day</th>
<th>2-7 days</th>
<th>8-28 days</th>
<th>29-90 days</th>
<th>91-182 days</th>
<th>Chronic amnesic</th>
<th>In PTA at discharge</th>
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<td>4AB1 (BI, weighted FIM motor 71-91, FIM cog 26-35)</td>
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<tr>
<td>4AB5 (BI, weighted FIM motor 41-70, FIM cog 5-16)</td>
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## Average FIM change by AN-SNAP class and duration of PTA

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<th>IN PTA AT DISCHARGE</th>
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Appendix 1: Glossary

AN-SNAP class
The Australian National Sub-Acute and Non-Acute Patient Classification (AN-SNAP) is a casemix classification for sub-acute and non-acute care provided in a variety of treatment settings. Version 4, introduced in July 2016 and used in these reports, uses the episode’s impairment, age, weighted FIM motor admission score and FIM cognition score to determine which of 50 inpatient (admitted overnight adult) rehabilitation classes the episode should be assigned to.

Between AN-SNAP V3 and V4 there have been some minor refinements to the positioning of age and FIM score splits, however the greatest change has been the introduction of impairment-specific weights to FIM item scores in the calculation of a motor score, the introduction of reconditioning only classes and the removal of orthopaedic replacement classes (now grouped with all other orthopaedic conditions). Refer Appendix 3 for the full list of classes and the section Impairment-specific weighted FIM scores below for more detail about how the items are weighted. For more information about AN-SNAP class V4 please refer to the AROC website.

AROC
The Australasian Rehabilitation Outcomes Centre (AROC) was established in 2002 and current membership encompasses close to 100% of all Australian and New Zealand rehabilitation facilities. Facilities routinely submit deidentified data to AROC for each rehabilitation episode, including information about demographics, process indicators and functional status.

Benchmark group
In Calendar Year 2015 new benchmark groups have been introduced. With the exception of brain injury and spinal cord dysfunction an episode’s benchmark group is determined by the country of the submitting facility and can be either Australia or New Zealand. For episodes recorded as brain injury or spinal cord dysfunction (or major multi trauma involving brain injury and/or spinal cord dysfunction) the benchmark group is determined by first admission episodes reported by all specialist (brain/spinal) units in both Australia and New Zealand. The benchmark data set is all episodes during the reporting period in the AROC database.
Casemix-adjusted relative mean
A comparison of some statistics such as length of stay and FIM change is only possible if the groups being compared comprise similar episodes. The specific impairment, level of functional independence, age and other factors relating to the episode have an impact on these statistics. If, for example, your average length of stay were different from the benchmark group, we could not tell if your episodes really were different or if the difference was merely due to the unique casemix.

To overcome this difficulty, it is possible to statistically control for casemix. This is achieved by adjusting measures such as length of stay and FIM change so that the comparison is only made between similar types of episodes.

In this report we have calculated casemix-adjusted relative mean length of stay and casemix-adjusted relative mean FIM change for completed episodes. To do this, we needed to know the LOS (or FIM change) and AN-SNAP class for each episode as well as the mean LOS (or FIM change) for the benchmark group for each AN-SNAP class. We then calculated the difference between each episode LOS (or FIM change) and the mean LOS (or FIM change) of the appropriate AN-SNAP class. These differences were then averaged to produce the casemix-adjusted relative mean. This may be easier to understand as a set of two equations illustrated below.

For each episode calculate:

\[ \text{LOSdiff} = \text{episode’s LOS} - \text{mean LOS appropriate AN-SNAP class.} \]

\[ \text{Casemix-adjusted relative mean} = \frac{\text{Sum of LOSdiff for all episodes}}{\text{Number of episodes}} \]

A casemix-adjusted relative mean length of stay of, say, -2 days would indicate that, on average, your facility has a LOS of 2 days less than similar episodes in the benchmark group. A casemix-adjusted relative mean FIM change of, say, 4 would indicate that, on average, your facility improved 4 FIM points more than similar episodes in the benchmark group. It is important to consider both of these statistics together. For example, your episodes may have stayed longer than similar episodes in the benchmark group, but they may also have achieved a greater functional improvement.

Complete/incomplete episode
An episode is considered “complete” for the purpose of calculating outcome statistics in this report if (A) the mode of episode end was either 1 (discharged to usual accommodation) or 2 (discharged to interim accommodation) AND total FIM score at episode end was greater than 18, or (B) the mode of episode end was 7 (change of care type within sub-acute/non-acute care) AND length of stay greater than 6 days.
**Confidence interval for a mean**

To decide if a difference between your facility’s mean score and the benchmark group’s mean is statistically significant, look at the two confidence intervals. If they overlap, the difference is not likely to be statistically significant. For example your facility’s mean onset to first admission may be 16 days while the benchmark group's mean is 12 days. These values are certainly different, but the difference may not be statistically significant. If the 95% confidence interval of your data were (13 – 19) (i.e. 13 days to 19 days) and that of the benchmark group data set were (10.5 – 13.5) (i.e. 10.5 days to 13.5 days), the difference is not likely to be statistically significant as the two confidence intervals overlap. Note that this is a conservative comparison and is not as accurate as a formal statistical test.

**Data Concatenation**

Increasingly some jurisdictions have introduced business rules around data collection that have resulted in episodes of rehabilitation being ended and then re-commenced a few days later. AROC definitions would record these as one episode with the period in between defined as a suspension of rehabilitation. Such business rules result in two (or more) episodes of rehabilitation being reported to AROC when only one full episode should be reported.

Whilst this happens much more frequently in some impairment groups (e.g. spinal cord dysfunction & brain injury) it does impact all impairments to some degree. Reporting of multiple episodes impacts outcomes analysis, resulting in shorter than real length of stays and reduced FIM change being reported.

Concatenated episodes will have a revised Length of stay and FIM change (start details will be taken from the identified primary episode; end details from the identified final episode), and will also have a revised number of suspensions (being the sum across all concatenated ‘submitted episodes’ plus the number of breaks between ‘submitted episodes’) and a revised number of suspension days (being the sum across all concatenated ‘submitted episodes’ plus the sum of all days between ‘submitted episodes’).

Submitted episodes to AROC are identified for concatenation based on the following rules:

- Subsequent episodes MUST have same impairment code and be from same reporting facility with same MRN and DOB
- Leading episode must be discharged into the hospital system with following episode being admitted from hospital system
- Number of days between episodes being 0-14 days for spinal and 0-7 days for all other impairments

To make it easier for AROC to identify episodes that should be concatenated in January 2014 the data item Mode of Episode Start had an additional code set value added: 9 = *recommenced rehabilitation episode following suspension*
**Data quality score**

The data quality score is the average percent reported for all AROC data items (including impairment specific items where relevant) with the exception of those items that are optional. Path, facility code, facility name, MRN and episode end date are not included as these fields are used to extract the data for reporting.

**Functional Independence Measure (FIM)**

The Functional Independence Measure (FIM) is used as a tool to assess the functional independence of patients at episode start and end.

- The FIM motor score is the sum of the scores obtained for the first thirteen (13) items in the FIM instrument. A higher FIM motor score indicates a greater level of functional independence in motor skills.
- The FIM cognition score is the sum of the scores obtained for the final five (5) items in the FIM instrument. A higher FIM cognition score indicates better cognitive function.

**FIM change**

The change in functional status from the beginning to the end of the episode is measured by the change in FIM score. This is calculated as the FIM score at the end of the episode minus the FIM score at the start of the episode. In some instances the change in total FIM score (the sum of items 1 to 18) is calculated. In other cases either the change in FIM motor score (the sum of items 1 to 13) or the change in FIM cognition score (the sum of items 14 to 18) is calculated.

A higher FIM score corresponds to higher level of function while a lower FIM score represents less functional independence. This means that a positive value for the change in FIM score indicates functional improvement during the episode. A negative value for the change in FIM score indicates a decline in functional independence during the episode.

**FIM efficiency**

The FIM efficiency indicates the average FIM improvement per day. This statistic is calculated as the mean FIM change divided by the mean length of stay (LOS).
Glossary … continued

**Impairment-specific weighted FIM motor scores**

Impairment-specific weighted FIM motor scores are new to the inpatient (admitted overnight adult) rehabilitation AN-SNAP V4 classes. Weights reflect the relative impact of each item on the cost of caring for the rehabilitation patient. If an item has a weight of more than 1, it will have an impact on the cost of care that is more than average – a weight less than 1 implies the impact will be less than average. Within each impairment type, the weights are scaled to sum to 13 – thus both weighted and unweighted scores range from a minimum of 13 to a maximum of 91. Where impairments are grouped together in the classification, a single set of weights for that group has been derived. The exception is Major Multiple Trauma (MMT) where there were too few episodes to develop relative weights and so all weights were set to 1.

**Interquartile range (IQR)**

The middle 50% — between the 25% percentile and the 75% percentile.

**Length of stay (LOS)**

The length of stay (LOS) of an episode is the number of days on which care has been provided. It is calculated as the end date minus the start date, minus the number of leave days during the episode.

**Mean**

The mean, or average, is a measure of the "centre" of your data. It is calculated by adding all data values and dividing by the number of values. The mean can be used to calculate a total. For example, if the mean length of stay were 21 days for a group of 30 episodes, the total number of bed days could be calculated as 21 multiplied by 30.
Mean or median - which to use?

The mean and the median are both measures of the "centre" of your data. For data that are symmetric about the mean (e.g. normally distributed data), the mean and the median will be close to each other. However they may have very different values for some data sets.

As an example, consider length of stay. Typically, most episodes within a class will have roughly the same length of stay. However, there will be a few episodes that are longer than the others and a smaller number that are very long. These longer lengths of stay have the effect of increasing the mean length of stay, but have little or no effect on the median.

If you want to know how long episodes in this class "typically" stay, you will probably be interested in the median as this gives you the middle value - half the episodes are longer and half the episodes are shorter. If, however, your interest is in allocation of resources and you want to know how long episodes stay on average, or if you want to get an idea of the total number of days of care provided to episodes in this class, you will need to look at the mean. (The total days can be calculated by multiplying the mean with the number in the class.)

Median

The median provides the middle value of your data – half the values lie above it and half the values lie below. For example, if your median length of stay were 20 days, half of your episodes would have stayed for 20 days or less, while the other half would have stayed 20 days or longer. Note that the median, unlike the mean, cannot be used to calculate the total number of bed days.

Submitted versus reporting episodes

Submitted episodes are those submitted to AROC either via direct data entry or upload through AROC Online Services. These episodes have not been concatenated.

The reporting data used by AROC in this report is made up of concatenated episodes. For most episodes there is no difference between the submitted episode and the one used for reporting.
Glossary … continued

**Valid FIM**
For an episode to have a Valid FIM flag it must be a complete episode and each of the 18 items on admission and discharge must have been answered with a valid response of 1-7.

**Valid LOS**
For an episode to have a Valid LOS flag it must be a complete episode with a length of stay ranging between 1 and 500 days.

**Version 4 data set**
The version 4 (V4) AROC dataset was introduced on 1 July 2012. V4 is designed as a bank of data items, combinations of which are used to describe 6 possible pathways of care (see the AROC website for more information about the different pathways). NOTE: This report utilises only Pathway 3 data (inpatient direct care).
Appendix 2: AROC impairment codes

STROKE

Haemorrhagic
1.11 Left body involvement
1.12 Right body involvement
1.13 Bilateral involvement
1.14 No paresis
1.19 Other Orthopaedic fractures

Ischaemic
1.21 Left body involvement (right brain)
1.22 Right body involvement (left brain)
1.23 Bilateral involvement
1.24 No paresis
1.29 Other Orthopaedic fractures

BRAIN DYSFUNCTION

Non-traumatic
2.11 Sub-arachnoid haemorrhage
2.12 Anoxic brain damage
2.13 Other non-traumatic brain dysfunction

Traumatic
2.21 Open injury
2.22 Closed injury

NEUROLOGICAL CONDITIONS

3.1 Multiple Sclerosis
3.2 Parkinsonism
3.3 Polyneuropathy
3.4 Guillain-Barre
3.5 Cerebral palsy
3.8 Neuromuscular disorders
3.9 Other neurological conditions

SPINAL CORD DYSFUNCTION

Non traumatic spinal cord dysfunction
4.111 Paraplegia, incomplete
4.112 Paraplegia, complete
4.1211 Quadriplegia, incomplete C1-4
4.1212 Quadriplegia, incomplete C5-8
4.1221 Quadriplegia, complete C1-4
4.1222 Quadriplegia, complete C5-8
4.13 Other non-traumatic spinal cord dysfunction

Traumatic spinal cord dysfunction
4.211 Paraplegia, incomplete
4.212 Paraplegia, complete
4.2211 Quadriplegia, incomplete C1-4
4.2212 Quadriplegia, incomplete C5-8
4.2221 Quadriplegia, complete C1-4
4.2222 Quadriplegia, complete C5-8
4.23 Other traumatic spinal cord dysfunction

AMPUTATION OF LIMB

Resulting from trauma
5.21 Single upper above elbow
5.22 Single upper below elbow
5.23 Single lower above knee (includes through knee)
5.24 Single lower below knee
5.25 Double lower above knee (includes through knee)
5.26 Double lower above/below knee
5.27 Double lower below knee
5.28 Partial foot (single or double)
5.29 Other amputation from trauma

ARTHRITIS

6.1 Rheumatoid arthritis
6.2 Osteoarthritis
6.9 Other arthritis

PAIN SYNDROMES

7.1 Neck pain
7.2 Back Pain
7.3 Extremity pain
7.4 Headache (includes migraine)
7.5 Multi-site pain
7.9 Other pain (includes abdo/chest wall)
AROC impairment codes…continued

ORTHOPAEDIC CONDITIONS
Fractures (includes dislocation)
8.111 Fracture of hip, unilateral (incl. #NOF)
8.112 Fracture of hip, bilateral (incl. #NOF)
8.12 Fracture of shaft of femur
8.13 Fracture of pelvis
8.141 Fracture of knee
8.142 Fracture of lower leg, ankle, foot
8.15 Fracture of upper limb
8.16 Fracture of spine
8.17 Fracture of multiple sites
8.19 Other orthopaedic fracture

Post Orthopaedic Surgery
8.211 Unilateral hip replacement
8.212 Bilateral hip replacement
8.221 Unilateral knee replacement
8.222 Bilateral knee replacement
8.231 Knee and hip replacement, same side
8.232 Knee and hip replacement, diff sides
8.24 Shoulder replacement
8.25 Post spinal surgery
8.26 Other orthopaedic surgery

Soft tissue injury
8.3 Soft tissue injury

CARDIAC
9.1 Following recent onset of new cardiac impairment
9.2 Chronic cardiac insufficiency
9.3 Heart and heart/lung transplant

PULMONARY
10.1 Chronic obstructive pulmonary disease
10.2 Lung transplant
10.9 Other pulmonary

BURNS
11 Burns

CONGENITAL DEFORMITIES
12.1 Spina bifida
12.9 Other congenital deformity

OTHER DISABLING IMPAIRMENTS
13.1 Lymphoedema
13.3 Conversion disorder
13.9 Other disabling impairments that cannot be classified into a specific group

MAJOR MULTIPLE TRAUMA
14.1 Brain + spinal cord injury
14.2 Brain + multiple fracture/amputation
14.3 Spinal cord + multi fracture/amputation
14.9 Other multiple trauma

DEVELOPMENTAL DISABILITIES
15.1 Developmental disabilities (excludes cerebral palsy)

RE-CONDITIONING/RESTORATIVE
16.1 Re-conditioning following surgery
16.2 Reconditioning following medical illness
16.3 Cancer rehabilitation
### Appendix 3: AN-SNAP V4 overnight rehabilitation classes (pathway 3)

<table>
<thead>
<tr>
<th>Class</th>
<th>Description of AN-SNAP class</th>
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<tbody>
<tr>
<td>4AZ1</td>
<td>Weighted FIM motor score 13-18, Brain, Spine, MMT, Age ≥ 49</td>
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<tr>
<td>4AZ2</td>
<td>Weighted FIM motor score 13-18, Brain, Spine, MMT, Age ≤ 48</td>
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<td>4AZ3</td>
<td>Weighted FIM motor score 13-18, All other impairments, Age ≥ 65</td>
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<td>4AZ4</td>
<td>Weighted FIM motor score 13-18, All other impairments, Age ≤ 64</td>
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<td>4AA1</td>
<td>Stroke, weighted FIM motor 51-91, FIM cognition 29-35</td>
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<td>4AA2</td>
<td>Stroke, weighted FIM motor 51-91, FIM cognition 19-28</td>
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<td>4AA3</td>
<td>Stroke, weighted FIM motor 51-91, FIM cognition 5-18</td>
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<td>4AA4</td>
<td>Stroke, weighted FIM motor 36-50, Age ≥ 68</td>
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<tr>
<td>4AA5</td>
<td>Stroke, weighted FIM motor 36-50, Age ≤ 67</td>
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<tr>
<td>4AA6</td>
<td>Stroke, weighted FIM motor 19-35, Age ≥ 68</td>
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<td>4AB1</td>
<td>Brain dysfunction, weighted FIM motor 71-91, FIM cognition 26-35</td>
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<td>Brain dysfunction, weighted FIM motor 41-70, FIM cognition 26-35</td>
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<td>Brain dysfunction, weighted FIM motor 41-70, FIM cognition 5-16</td>
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<td>4AB6</td>
<td>Brain dysfunction, weighted FIM motor 29-40</td>
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• **Suggested acknowledgement**
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