

# AROC Impairment Specific Report

## Stroke Report

### INPATIENT – PATHWAY 3

January 2019 – December 2019

Anywhere Hospital



**Australasian  
Faculty of  
Rehabilitation  
Medicine**

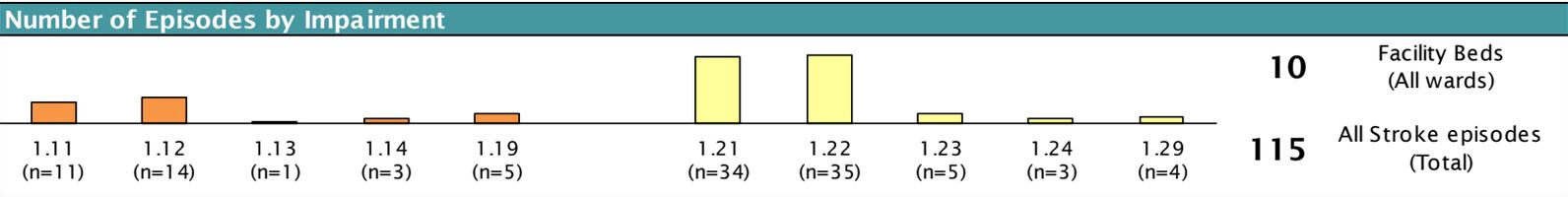
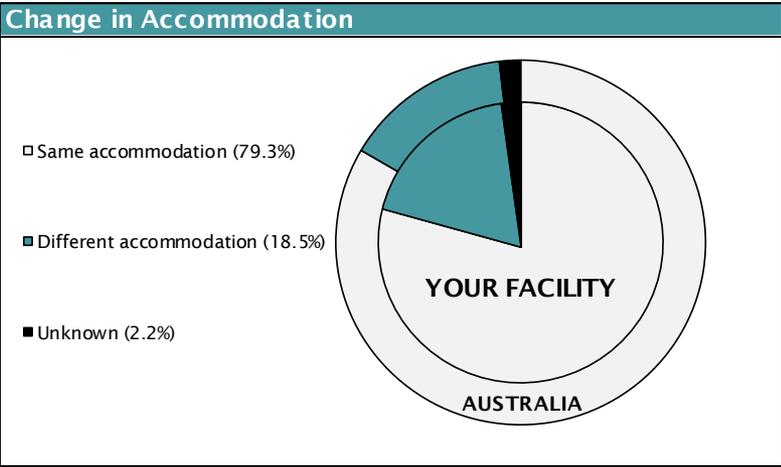
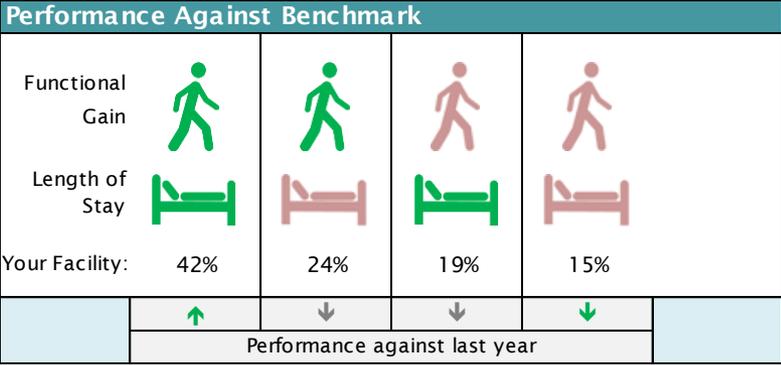
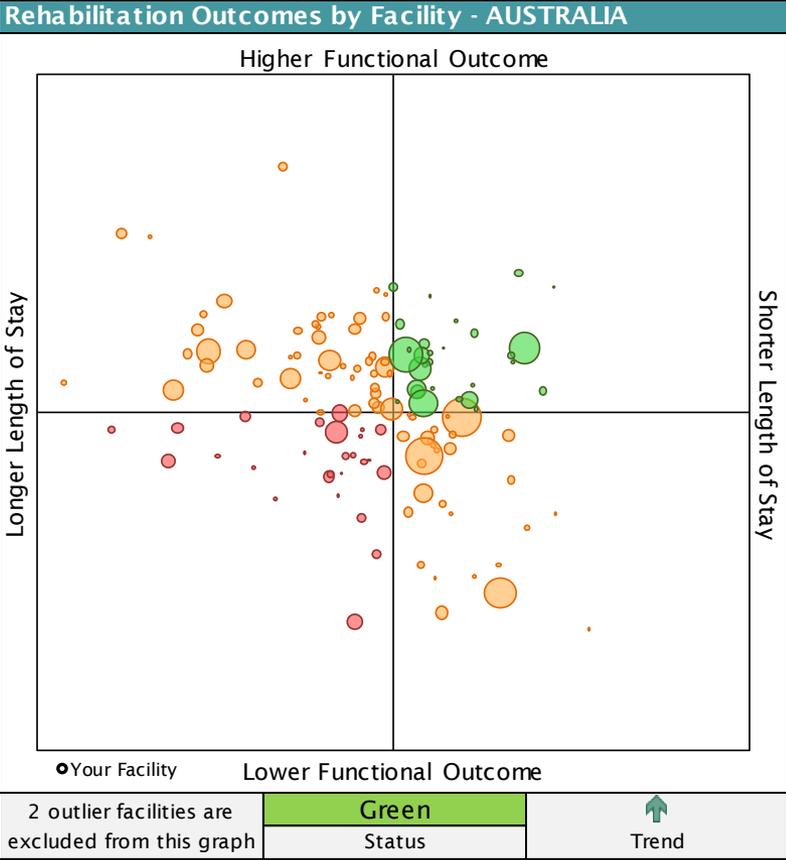


australian health services  
research institute



**UNIVERSITY  
OF WOLLONGONG  
AUSTRALIA**

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| Stroke dashboard.....                            | 3   |
| Data used in this report.....                    | 5   |
| Stroke impairment codes.....                     | 6   |
| Stroke AN-SNAP classes.....                      | 7   |
| The BIG picture.....                             | 8   |
| Review of FIM item scoring by AN-SNAP class..... | 19  |
| Outcomes analysis.....                           | 30  |
| Explanatory data.....                            | 50  |
| Appendix 1: Glossary.....                        | 101 |
| Appendix 2: AROC impairment codes.....           | 109 |
| Appendix 3: AN-SNAP classes.....                 | 111 |
| Acknowledgements.....                            | 112 |
| AROC contact details.....                        | 113 |

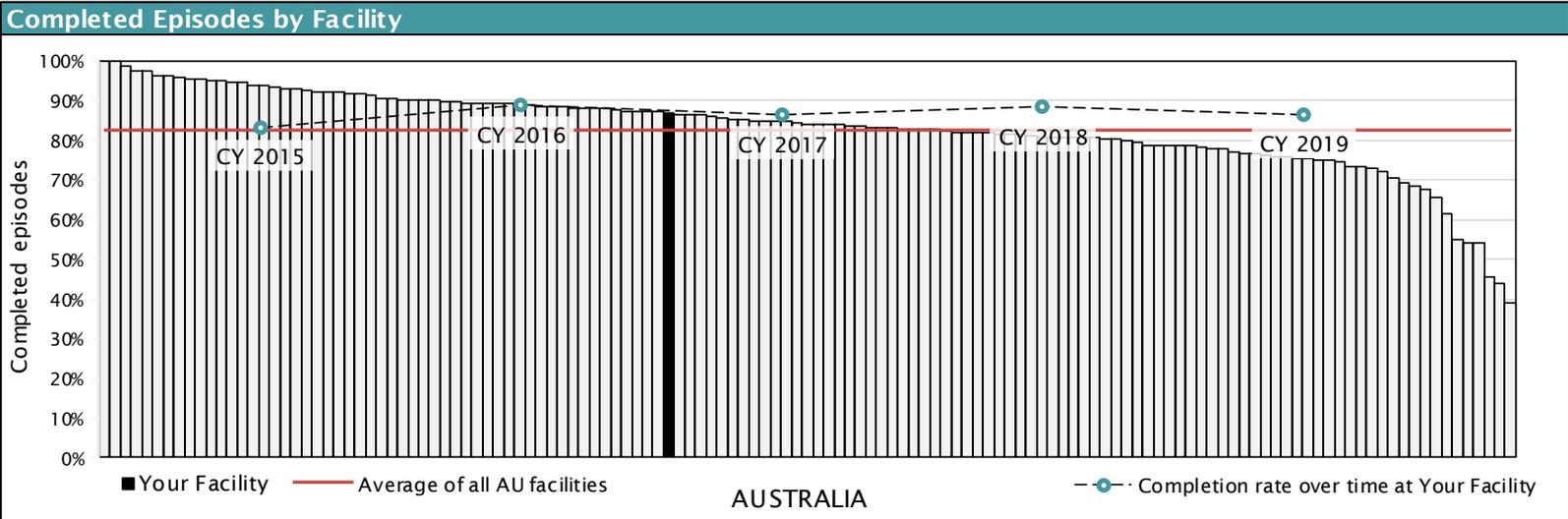


| Key Indicators*  |  |
|--|--|
| YOUR FACILITY  | AUSTRALIA  |
| Average Age: <b>71.6</b>                                     | Average Age: <b>73.3</b>                                     |
| Mortality Rate: <b>0.0%</b>                                  | Mortality Rate: <b>0.5%</b>                                  |
| % with at least one comorbidity: <b>56%</b>                  | % with at least one comorbidity: <b>53%</b>                  |
| % with at least one complication: <b>27%</b>                 | % with at least one complication: <b>31%</b>                 |
| % episodes with start delays: <b>19%</b>                     | % episodes with start delays: <b>18%</b>                     |
| Days between onset and rehab episode: <b>10.4</b>            | Days between onset and rehab episode: <b>12.9</b>            |
| Days between clinically rehab ready & start date: <b>0.5</b> | Days between clinically rehab ready & start date: <b>0.8</b> |

\* Mean value provided unless otherwise specified

| Facility FIM Training*  |                                    |
|---|------------------------------------|
| FIM Credentialed Staff per 100 Episodes   | FIM Credentialed Facility Trainers |
|  7.1<br>Your Facility    | <b>3</b><br>Your Facility          |
|  6.5<br>AUSTRALIA (Mean) | <b>2</b><br>AROC Suggested Minimum |

\*This includes all impairments from all wards



- Stroke episodes discharged during the reporting period (January 2019 – December 2019) and time series data covering five years.
- Benchmark group is AUSTRALIA.
- Casemix analysis uses version 4 AN-SNAP classes (Appendix 3). Casemix adjustment is calculated against AUSTRALIA data.
- Unit of counting is by concatenated\* episode, not by patient.
- Where there are less than five episodes within a subgroup, summary data are not provided. Missing data and ungroupable AN-SNAP classes are excluded from figures, but are included in tables.
- Facilities will only receive this report when the facility reports a minimum of 20 completed stroke episodes.

Note: Appendix 1 (Glossary) contains definitions of concepts referred to in this report. An understanding of these will help with interpretation of the data. This report should be considered in conjunction with the Outcome Benchmarks Report for your facility.

\*Refer to Appendix 1 for more details about the process of data concatenation.

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

- 1.11 — Haemorrhagic — Left body involvement
- 1.12 — Haemorrhagic — Right body involvement
- 1.13 — Haemorrhagic — Bilateral involvement
- 1.14 — Haemorrhagic — No paresis
- 1.19 — Haemorrhagic — Other stroke
  
- 1.21 — Ischaemic — Left body involvement (right brain)
- 1.22 — Ischaemic — Right body involvement (left brain)
- 1.23 — Ischaemic — Bilateral involvement
- 1.24 — Ischaemic — No paresis
- 1.29 — Ischaemic — Other stroke

Note: A list of all impairment codes can be found in Appendix 2

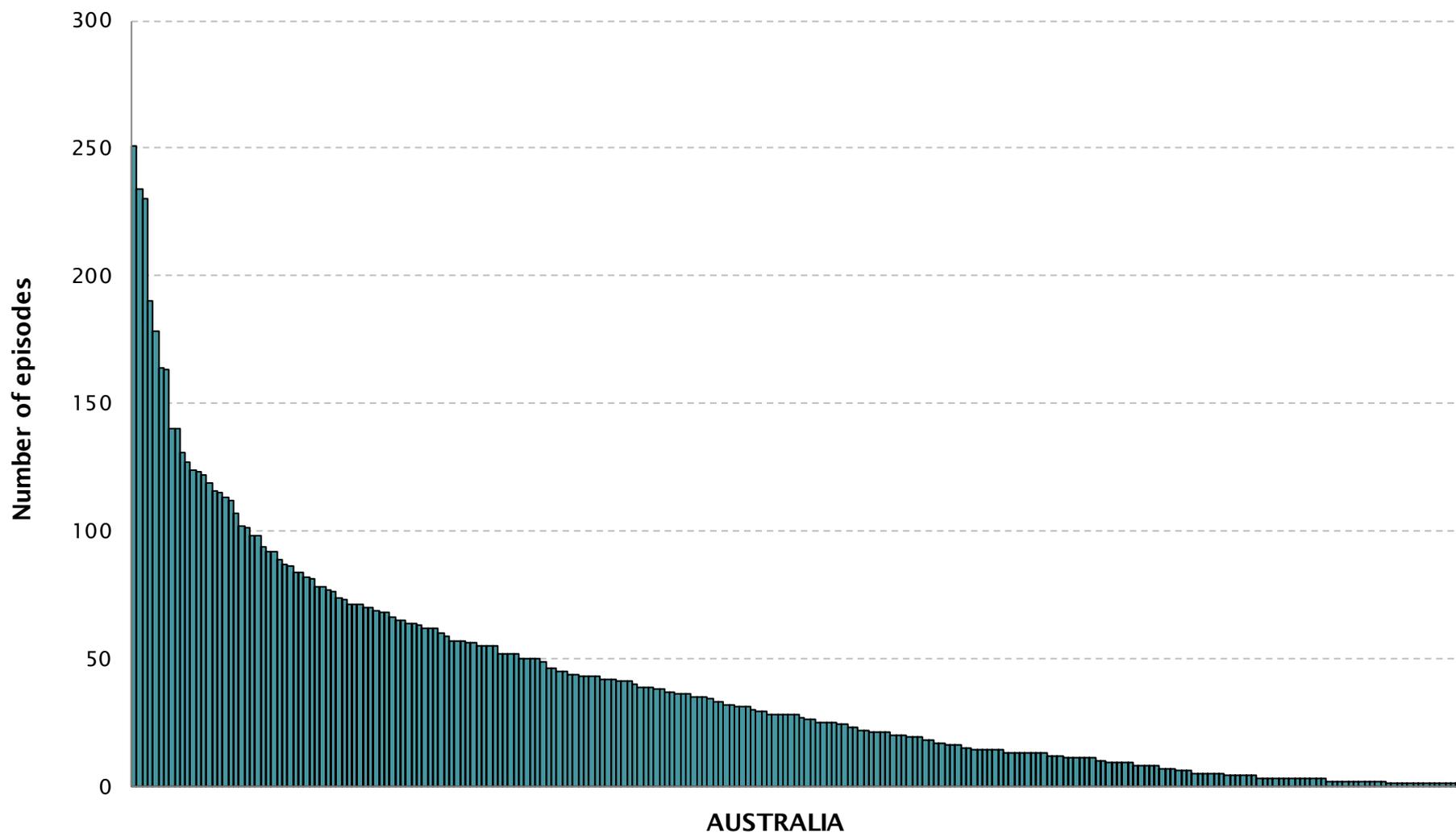
Levels of functioning for stroke are categorised by the following version 4 AN-SNAP classes:

- 4AA1            Stroke, weighted FIM motor 51-91, FIM cognition 29-35
- 4AA2            Stroke, weighted FIM motor 51-91, FIM cognition 19-28
- 4AA3            Stroke, weighted FIM motor 51-91, FIM cognition 5-18
- 4AA4            Stroke, weighted FIM motor 36-50, Age  $\geq$  68
- 4AA5            Stroke, weighted FIM motor 36-50, Age  $\leq$  67
- 4AA6            Stroke, weighted FIM motor 19-35, Age  $\geq$  68
- 4AA7            Stroke, weighted FIM motor 19-35, Age  $\leq$  67
- 4AZ3            Weighted FIM motor score 13-18, All other impairments, Age  $\geq$  65
- 4AZ4            Weighted FIM motor score 13-18, All other impairments, Age  $\leq$  64

NOTE: A list of all AN SNAP classes can be found in Appendix 3

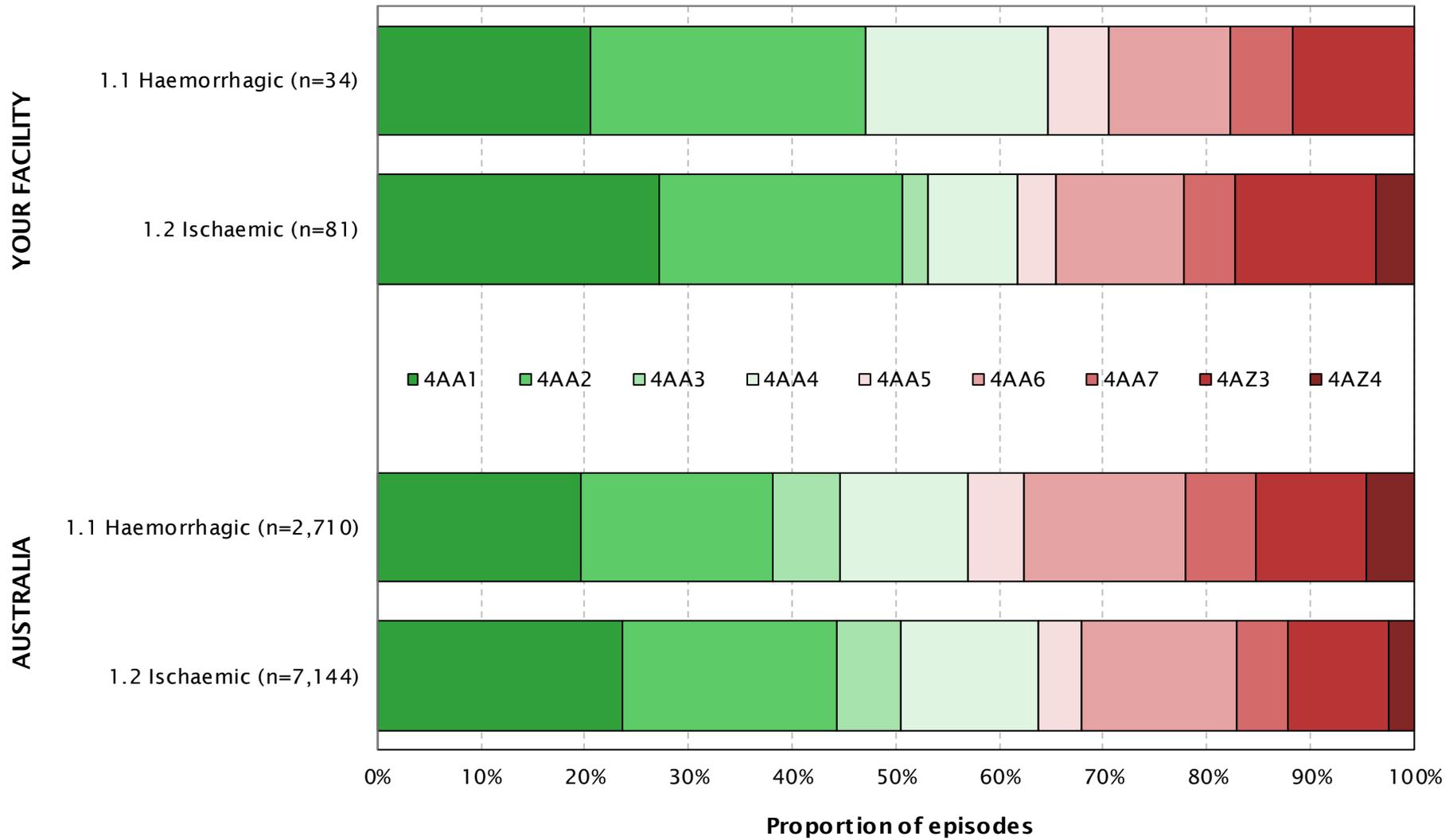
# The BIG picture

# Volume of stroke episodes by facility



NOTE: 247 facilities reported at least one stroke episode, with 144 facilities reporting between 20 and 251 episodes in this reporting period

# Proportion of episodes by impairment and AN-SNAP class



# Episodes by impairment and AN-SNAP class

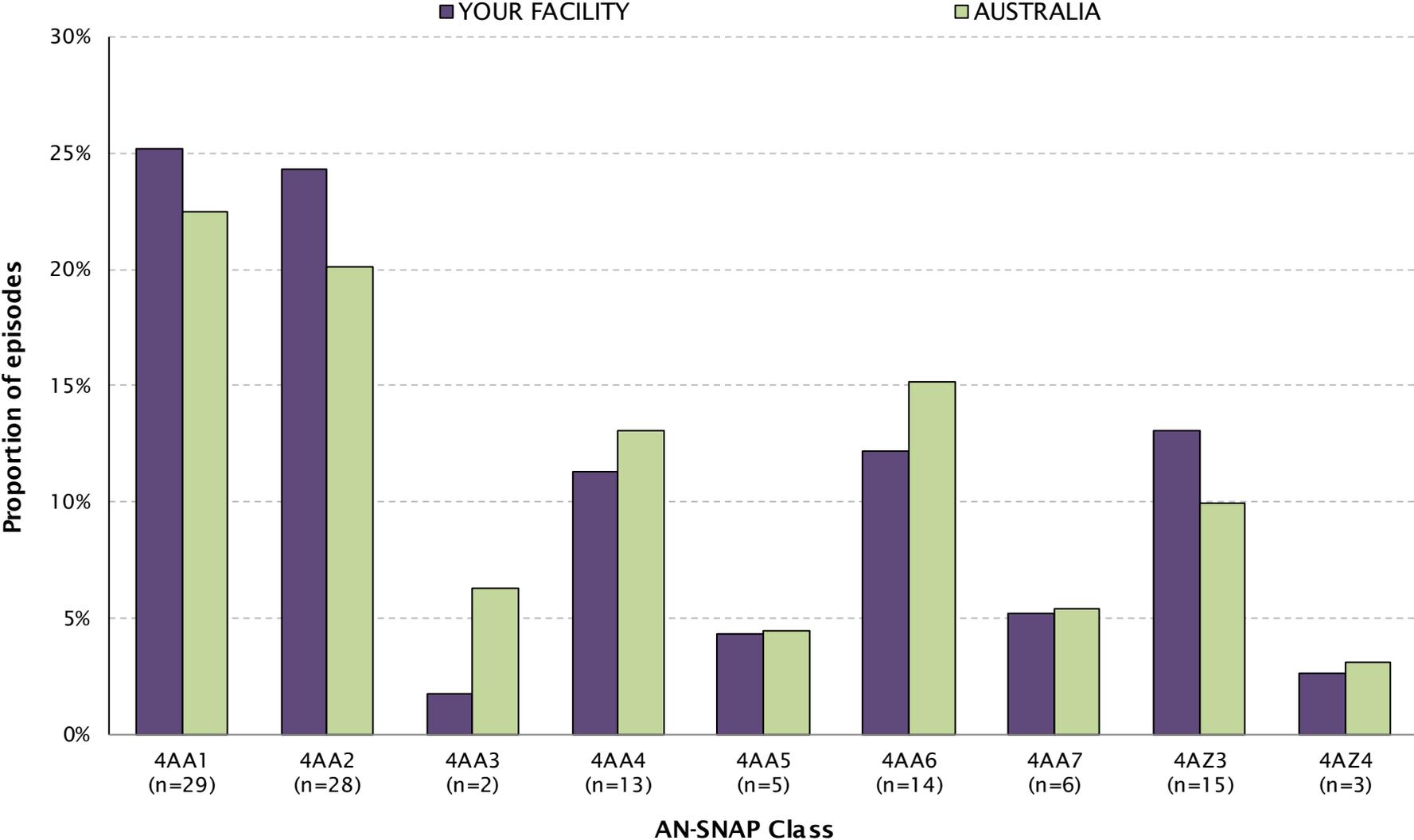


| AN-SNAP class V4                    | YOUR FACILITY    |              |               |              |            |              |
|-------------------------------------|------------------|--------------|---------------|--------------|------------|--------------|
|                                     | 1.1 Haemorrhagic |              | 1.2 Ischaemic |              | All Stroke |              |
|                                     | No.              | %            | No.           | %            | No.        | %            |
| 4AA1 (motor 51-91, cognition 29-35) | 7                | 20.6         | 22            | 27.2         | 29         | 25.2         |
| 4AA2 (motor 51-91, cognition 19-28) | 9                | 26.5         | 19            | 23.5         | 28         | 24.3         |
| 4AA3 (motor 51-91, cognition 5-18)  | 0                | 0.0          | 2             | 2.5          | 2          | 1.7          |
| 4AA4 (motor 36-50, Age ≥ 68)        | 6                | 17.6         | 7             | 8.6          | 13         | 11.3         |
| 4AA5 (motor 36-50, Age ≤ 67)        | 2                | 5.9          | 3             | 3.7          | 5          | 4.3          |
| 4AA6 (motor 19-35, Age ≥ 68)        | 4                | 11.8         | 10            | 12.3         | 14         | 12.2         |
| 4AA7 (motor 19-35, Age ≤ 67)        | 2                | 5.9          | 4             | 4.9          | 6          | 5.2          |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 4                | 11.8         | 11            | 13.6         | 15         | 13.0         |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 0                | 0.0          | 3             | 3.7          | 3          | 2.6          |
| <b>All Stroke AN-SNAP Classes**</b> | <b>34</b>        | <b>100.0</b> | <b>81</b>     | <b>100.0</b> | <b>115</b> | <b>100.0</b> |

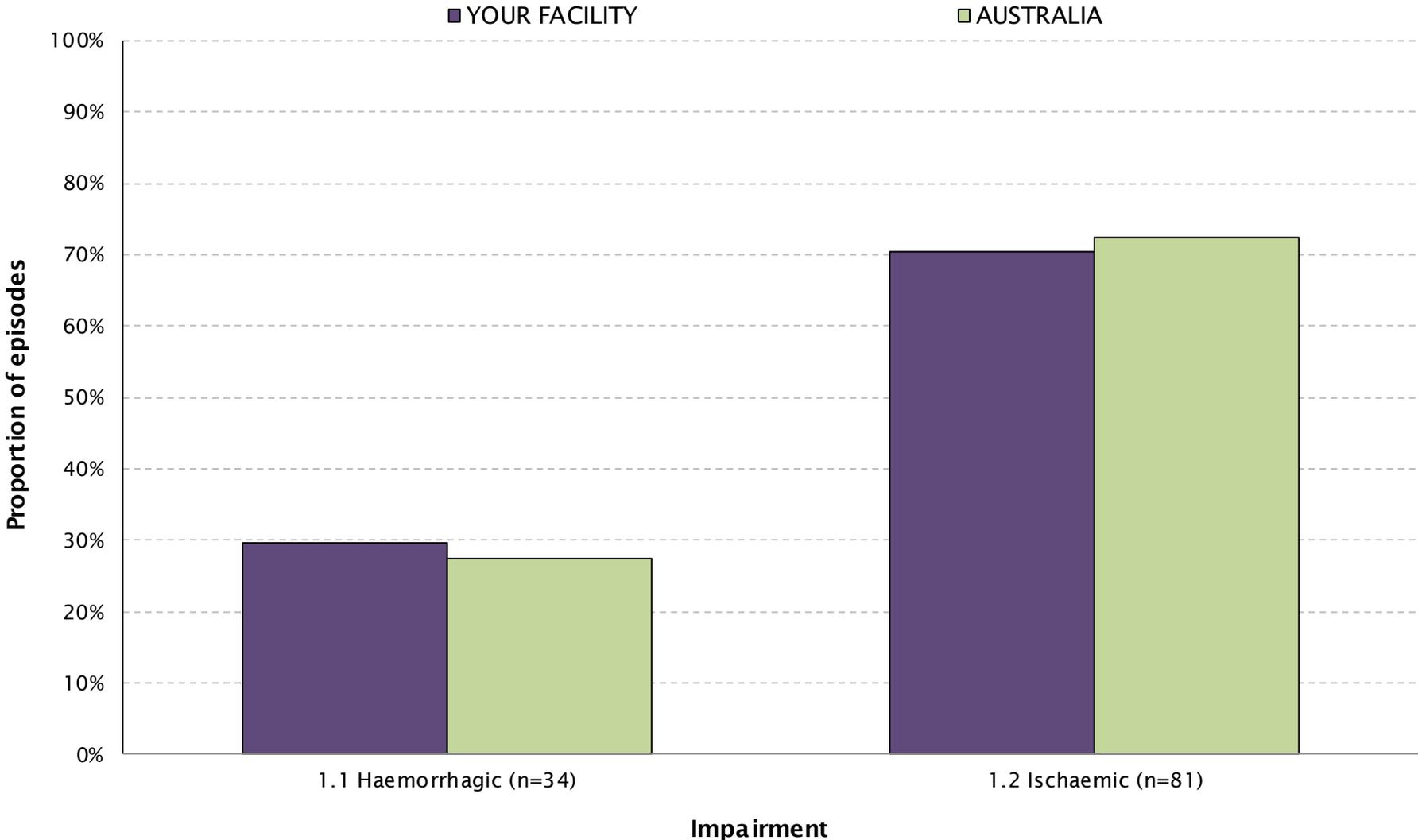
| AN-SNAP class V4                    | AUSTRALIA        |              |               |              |              |              |
|-------------------------------------|------------------|--------------|---------------|--------------|--------------|--------------|
|                                     | 1.1 Haemorrhagic |              | 1.2 Ischaemic |              | All Stroke   |              |
|                                     | No.              | %            | No.           | %            | No.          | %            |
| 4AA1 (motor 51-91, cognition 29-35) | 533              | 19.6         | 1,686         | 23.6         | 2,219        | 22.5         |
| 4AA2 (motor 51-91, cognition 19-28) | 499              | 18.4         | 1,486         | 20.8         | 1,985        | 20.1         |
| 4AA3 (motor 51-91, cognition 5-18)  | 176              | 6.5          | 441           | 6.2          | 617          | 6.3          |
| 4AA4 (motor 36-50, Age ≥ 68)        | 337              | 12.4         | 948           | 13.2         | 1,285        | 13.0         |
| 4AA5 (motor 36-50, Age ≤ 67)        | 144              | 5.3          | 292           | 4.1          | 436          | 4.4          |
| 4AA6 (motor 19-35, Age ≥ 68)        | 426              | 15.7         | 1,069         | 14.9         | 1,495        | 15.1         |
| 4AA7 (motor 19-35, Age ≤ 67)        | 180              | 6.6          | 353           | 4.9          | 533          | 5.4          |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 291              | 10.7         | 691           | 9.7          | 982          | 9.9          |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 124              | 4.6          | 178           | 2.5          | 302          | 3.1          |
| <b>All Stroke AN-SNAP Classes**</b> | <b>2,714</b>     | <b>100.0</b> | <b>7,156</b>  | <b>100.0</b> | <b>9,870</b> | <b>100.0</b> |

\*\*There were 0 episodes in YOUR FACILITY and 16 episodes in AUSTRALIA with AN-SNAP class 499A

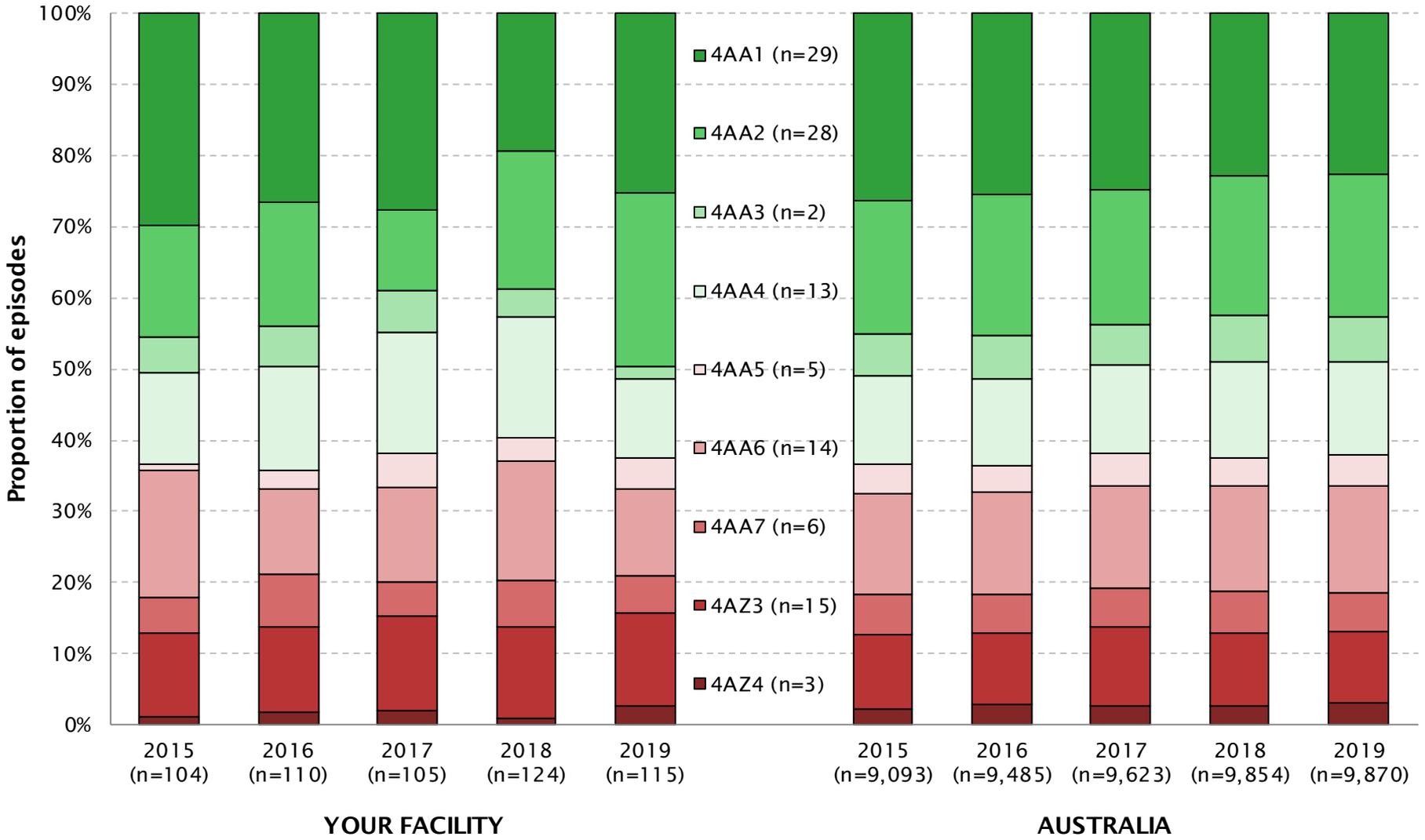
# Proportion of episodes by AN-SNAP class



# Proportion of episodes by impairment



# Proportion of episodes by AN-SNAP class over time



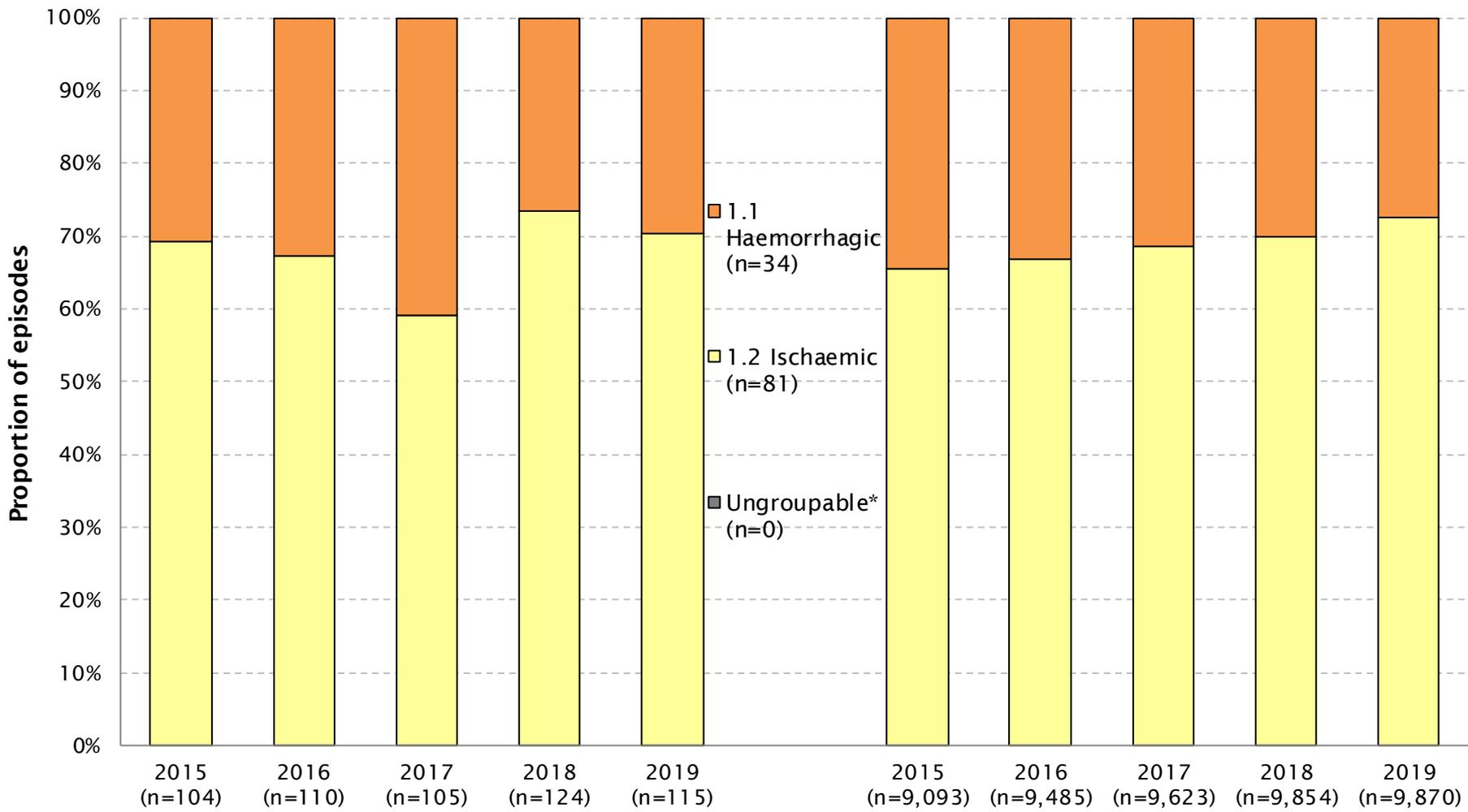
# Episodes by AN-SNAP class over time



| AN-SNAP class V4                    | YOUR FACILITY — No. |            |            |            |            | AUSTRALIA — No. |              |              |              |              |
|-------------------------------------|---------------------|------------|------------|------------|------------|-----------------|--------------|--------------|--------------|--------------|
|                                     | 2015                | 2016       | 2017       | 2018       | 2019       | 2015            | 2016         | 2017         | 2018         | 2019         |
| 4AA1 (motor 51-91, cognition 29-35) | 30                  | 29         | 29         | 24         | 29         | 2,380           | 2,412        | 2,378        | 2,232        | 2,219        |
| 4AA2 (motor 51-91, cognition 19-28) | 16                  | 19         | 12         | 24         | 28         | 1,703           | 1,875        | 1,820        | 1,943        | 1,985        |
| 4AA3 (motor 51-91, cognition 5-18)  | 5                   | 6          | 6          | 5          | 2          | 530             | 570          | 558          | 627          | 617          |
| 4AA4 (motor 36-50, Age ≥ 68)        | 13                  | 16         | 18         | 21         | 13         | 1,121           | 1,165        | 1,186        | 1,342        | 1,285        |
| 4AA5 (motor 36-50, Age ≤ 67)        | 1                   | 3          | 5          | 4          | 5          | 381             | 356          | 449          | 384          | 436          |
| 4AA6 (motor 19-35, Age ≥ 68)        | 18                  | 13         | 14         | 21         | 14         | 1,289           | 1,363        | 1,382        | 1,447        | 1,495        |
| 4AA7 (motor 19-35, Age ≤ 67)        | 5                   | 8          | 5          | 8          | 6          | 499             | 516          | 517          | 578          | 533          |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 12                  | 13         | 14         | 16         | 15         | 952             | 940          | 1,065        | 1,007        | 982          |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 1                   | 2          | 2          | 1          | 3          | 200             | 266          | 257          | 264          | 302          |
| 499A (Data error - ungroupable)     | 3                   | 1          | 0          | 0          | 0          | 38              | 22           | 11           | 30           | 16           |
| <b>All Stroke AN-SNAP Classes</b>   | <b>104</b>          | <b>110</b> | <b>105</b> | <b>124</b> | <b>115</b> | <b>9,093</b>    | <b>9,485</b> | <b>9,623</b> | <b>9,854</b> | <b>9,870</b> |

| AN-SNAP class V4                    | YOUR FACILITY — % |              |              |              |              | AUSTRALIA — % |              |              |              |              |
|-------------------------------------|-------------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
|                                     | 2015              | 2016         | 2017         | 2018         | 2019         | 2015          | 2016         | 2017         | 2018         | 2019         |
| 4AA1 (motor 51-91, cognition 29-35) | 28.8              | 26.4         | 27.6         | 19.4         | 25.2         | 26.2          | 25.4         | 24.7         | 22.7         | 22.5         |
| 4AA2 (motor 51-91, cognition 19-28) | 15.4              | 17.3         | 11.4         | 19.4         | 24.3         | 18.7          | 19.8         | 18.9         | 19.7         | 20.1         |
| 4AA3 (motor 51-91, cognition 5-18)  | 4.8               | 5.5          | 5.7          | 4.0          | 1.7          | 5.8           | 6.0          | 5.8          | 6.4          | 6.3          |
| 4AA4 (motor 36-50, Age ≥ 68)        | 12.5              | 14.5         | 17.1         | 16.9         | 11.3         | 12.3          | 12.3         | 12.3         | 13.6         | 13.0         |
| 4AA5 (motor 36-50, Age ≤ 67)        | 1.0               | 2.7          | 4.8          | 3.2          | 4.3          | 4.2           | 3.8          | 4.7          | 3.9          | 4.4          |
| 4AA6 (motor 19-35, Age ≥ 68)        | 17.3              | 11.8         | 13.3         | 16.9         | 12.2         | 14.2          | 14.4         | 14.4         | 14.7         | 15.1         |
| 4AA7 (motor 19-35, Age ≤ 67)        | 4.8               | 7.3          | 4.8          | 6.5          | 5.2          | 5.5           | 5.4          | 5.4          | 5.9          | 5.4          |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 11.5              | 11.8         | 13.3         | 12.9         | 13.0         | 10.5          | 9.9          | 11.1         | 10.2         | 9.9          |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 1.0               | 1.8          | 1.9          | 0.8          | 2.6          | 2.2           | 2.8          | 2.7          | 2.7          | 3.1          |
| 499A (Data error - ungroupable)     | 2.9               | 0.9          | 0.0          | 0.0          | 0.0          | 0.4           | 0.2          | 0.1          | 0.3          | 0.2          |
| <b>All Stroke AN-SNAP Classes</b>   | <b>100.0</b>      | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>  | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> |

# Proportion of episodes by impairment over time



**YOUR FACILITY**

**AUSTRALIA**

\*Ungroupable are the episodes captured using V3 data, which had no distinction for Haemorrhagic/Ischaemic

# Episodes by impairment over time



| Impairment        | YOUR FACILITY — No. |            |            |            |            | AUSTRALIA — No. |              |              |              |              |
|-------------------|---------------------|------------|------------|------------|------------|-----------------|--------------|--------------|--------------|--------------|
|                   | 2015                | 2016       | 2017       | 2018       | 2019       | 2015            | 2016         | 2017         | 2018         | 2019         |
| 1.1 Haemorrhagic  | 32                  | 36         | 43         | 33         | 34         | 3,139           | 3,141        | 3,030        | 2,970        | 2,714        |
| 1.2 Ischaemic     | 72                  | 74         | 62         | 91         | 81         | 5,954           | 6,344        | 6,593        | 6,884        | 7,156        |
| Ungroupable*      | 0                   | 0          | 0          | 0          | 0          | 0               | 0            | 0            | 0            | 0            |
| <b>All Stroke</b> | <b>104</b>          | <b>110</b> | <b>105</b> | <b>124</b> | <b>115</b> | <b>9,093</b>    | <b>9,485</b> | <b>9,623</b> | <b>9,854</b> | <b>9,870</b> |

| Impairment        | YOUR FACILITY — % |              |              |              |              | AUSTRALIA — % |              |              |              |              |
|-------------------|-------------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|
|                   | 2015              | 2016         | 2017         | 2018         | 2019         | 2015          | 2016         | 2017         | 2018         | 2019         |
| 1.1 Haemorrhagic  | 30.8              | 32.7         | 41.0         | 26.6         | 29.6         | 34.5          | 33.1         | 31.5         | 30.1         | 27.5         |
| 1.2 Ischaemic     | 69.2              | 67.3         | 59.0         | 73.4         | 70.4         | 65.5          | 66.9         | 68.5         | 69.9         | 72.5         |
| Ungroupable*      | 0.0               | 0.0          | 0.0          | 0.0          | 0.0          | 0.0           | 0.0          | 0.0          | 0.0          | 0.0          |
| <b>All Stroke</b> | <b>100.0</b>      | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b>  | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> |

\*Ungroupable are the episodes captured using V3 data, which had no distinction for Haemorrhagic/Ischaemic

# Summary of your incomplete episodes



| Complete episode analysis | YOUR FACILITY |        | AUSTRALIA |        |
|---------------------------|---------------|--------|-----------|--------|
|                           | No.           | (%)    | No.       | (%)    |
| Total reporting episodes  | 115           |        | 9,870     |        |
| Incomplete episodes       | 15            | (13.0) | 1,714     | (17.4) |

## Reason for incomplete:

|                                  |   |        |     |        |
|----------------------------------|---|--------|-----|--------|
| Discharged home with end FIM=18  | 1 | (6.7)  | 35  | (2.0)  |
| Discharged home with no end FIM  | 2 | (13.3) | 19  | (1.1)  |
| Discharged to another hospital   | 7 | (46.7) | 771 | (45.0) |
| Discharged back to acute         | 4 | (26.7) | 639 | (37.3) |
| Discharged at own risk           | 0 | (0.0)  | 73  | (4.3)  |
| Change of care type (LOS<1 week) | 0 | (0.0)  | 10  | (0.6)  |
| Died                             | 0 | (0.0)  | 51  | (3.0)  |
| Other/Unknown Discharge          | 1 | (6.7)  | 116 | (6.8)  |

| Impairment Group: | YOUR FACILITY       |                   |  |  |
|-------------------|---------------------|-------------------|--|--|
|                   | Incomplete Episodes | Complete episodes |  |  |

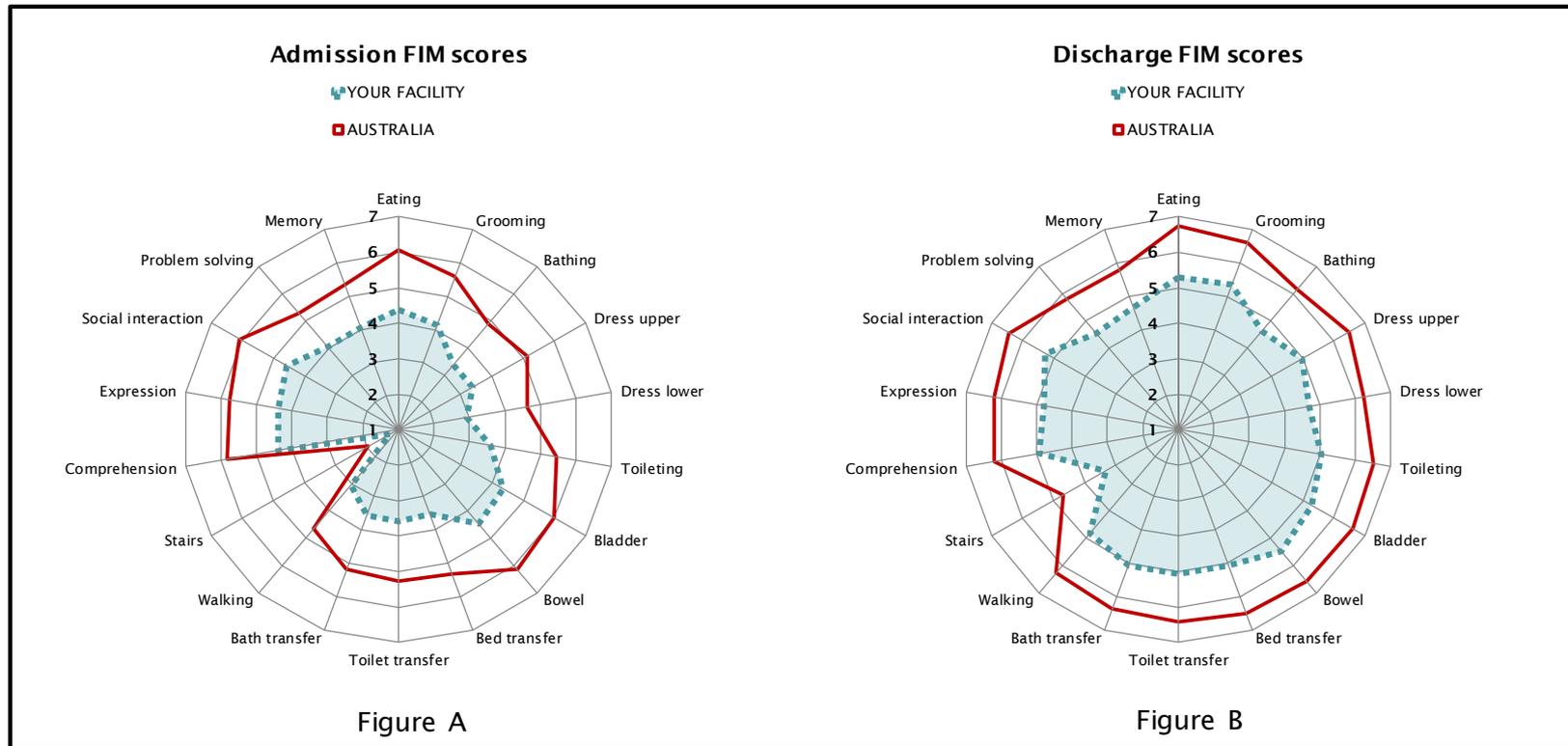
|                  |   |        |    |        |
|------------------|---|--------|----|--------|
| 1.1 Haemorrhagic | 8 | (53.3) | 26 | (26.0) |
| 1.2 Ischaemic    | 7 | (46.7) | 74 | (74.0) |

## AN-SNAP Class:

|                                     |   |        |    |        |
|-------------------------------------|---|--------|----|--------|
| 4AA1 (motor 51-91, cognition 29-35) | 4 | (26.7) | 25 | (25.0) |
| 4AA2 (motor 51-91, cognition 19-28) | 2 | (13.3) | 26 | (26.0) |
| 4AA3 (motor 51-91, cognition 5-18)  | 0 | (0.0)  | 2  | (2.0)  |
| 4AA4 (motor 36-50, Age ≥ 68)        | 2 | (13.3) | 11 | (11.0) |
| 4AA5 (motor 36-50, Age ≤ 67)        | 0 | (0.0)  | 5  | (5.0)  |
| 4AA6 (motor 19-35, Age ≥ 68)        | 3 | (20.0) | 11 | (11.0) |
| 4AA7 (motor 19-35, Age ≤ 67)        | 1 | (6.7)  | 5  | (5.0)  |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 2 | (13.3) | 13 | (13.0) |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 1 | (6.7)  | 2  | (2.0)  |

# Review of FIM item scoring by AN-SNAP class

# Interpreting the comparative FIM item 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

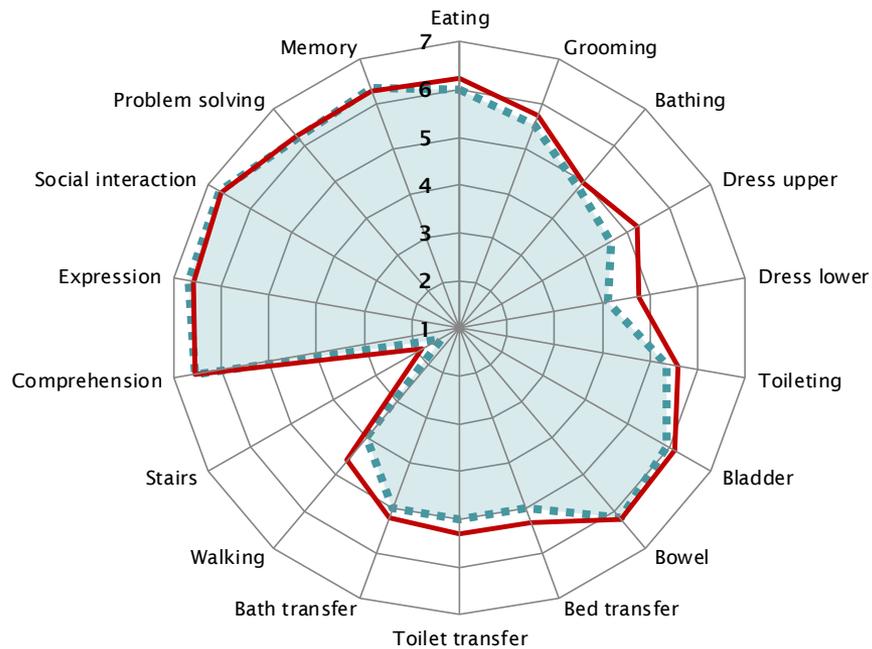
## AN-SNAP class 4AA1



### 4AA1 Admission FIM scores

YOUR FACILITY (n=25)

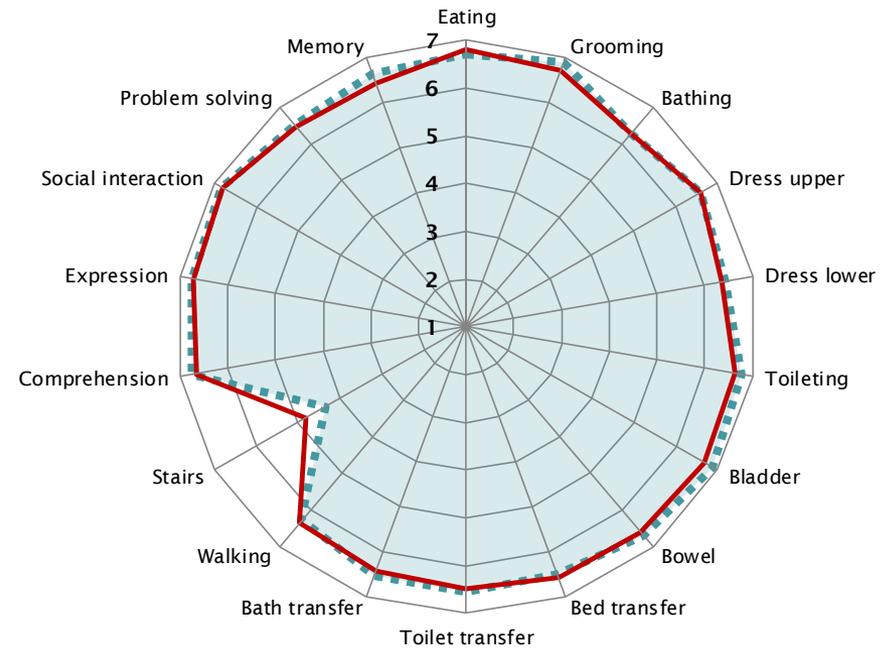
AUSTRALIA (n=2,066)



### 4AA1 Discharge FIM scores

YOUR FACILITY (n=25)

AUSTRALIA (n=2,066)



NOTE: Includes only completed episodes with valid FIM scores

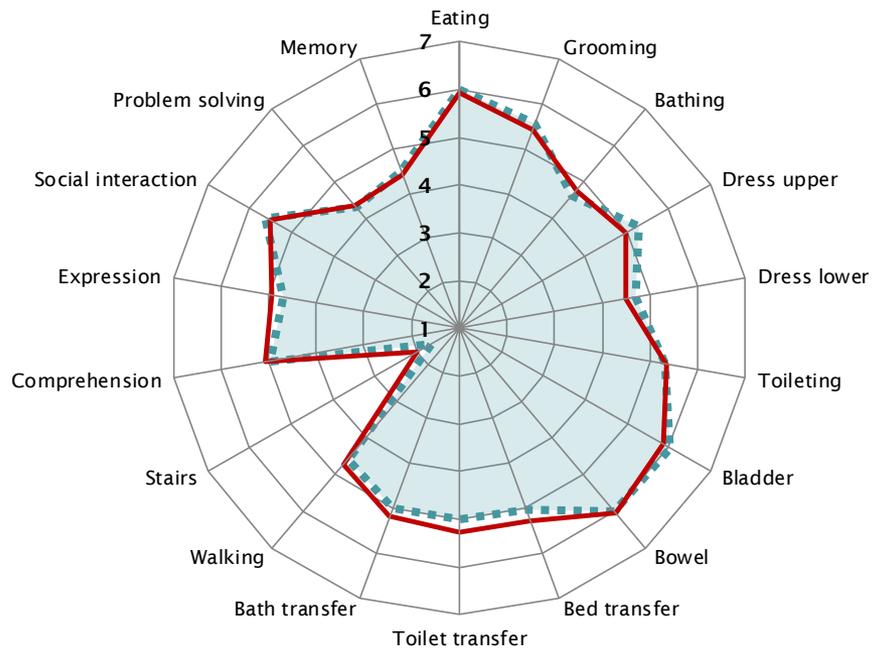
# Comparative FIM item scoring

## AN-SNAP class 4AA2



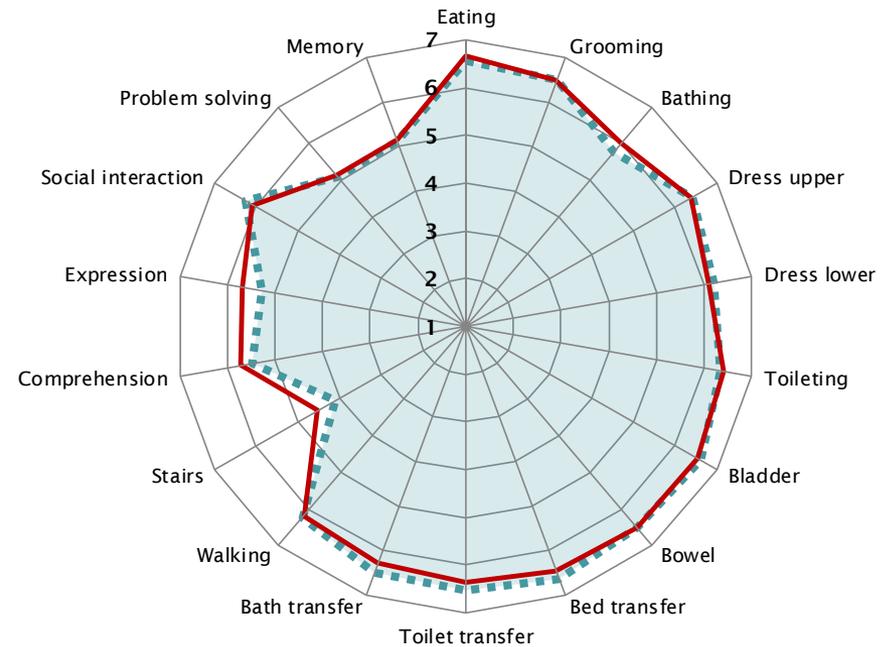
### 4AA2 Admission FIM scores

- YOUR FACILITY (n=26)
- AUSTRALIA (n=1,791)



### 4AA2 Discharge FIM scores

- YOUR FACILITY (n=26)
- AUSTRALIA (n=1,791)



NOTE: Includes only completed episodes with valid FIM scores

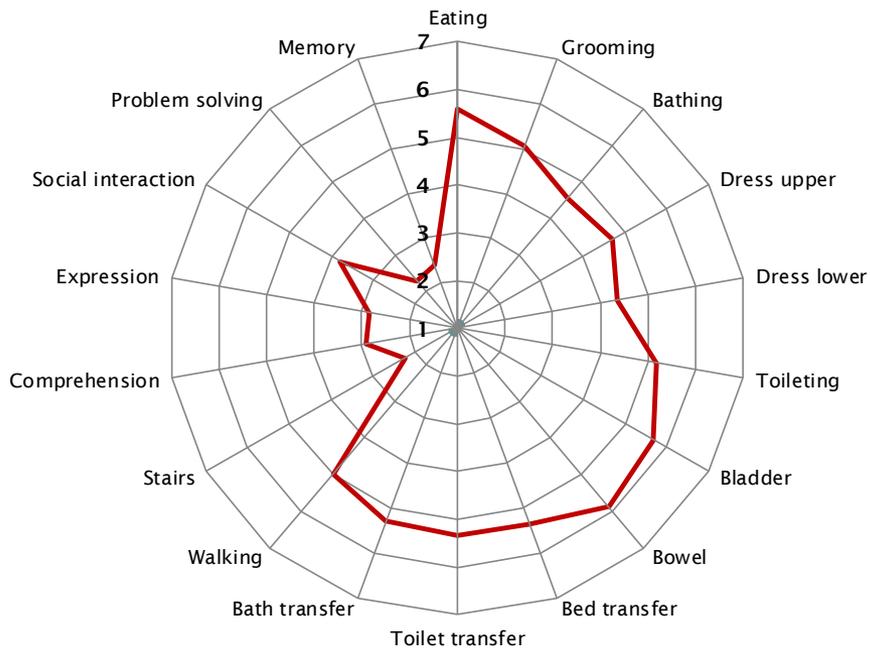
# Comparative FIM item scoring

## AN-SNAP class 4AA3



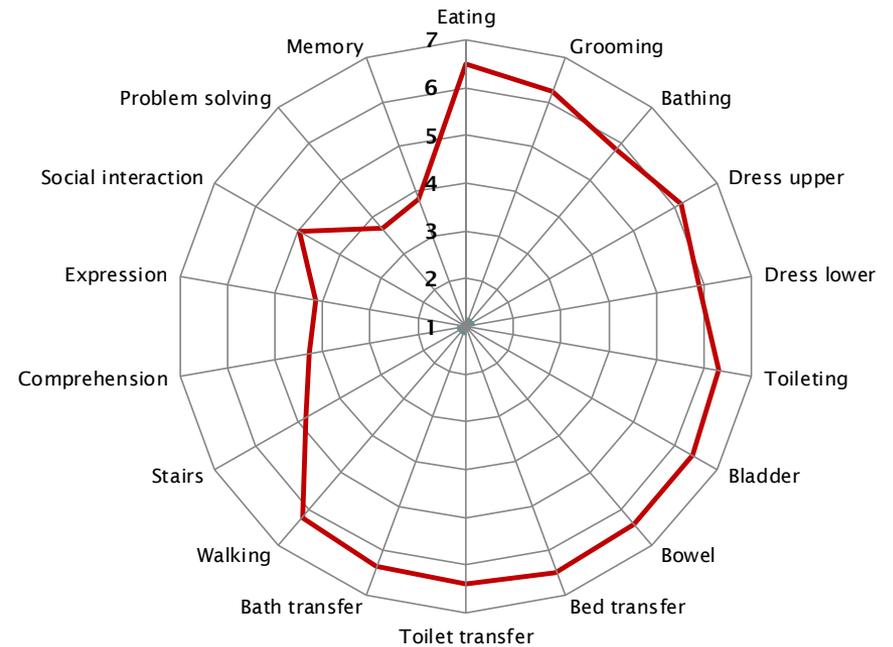
### 4AA3 Admission FIM scores

- YOUR FACILITY (n<5)
- AUSTRALIA (n=510)



### 4AA3 Discharge FIM scores

- YOUR FACILITY (n<5)
- AUSTRALIA (n=510)



NOTE: Includes only completed episodes with valid FIM scores

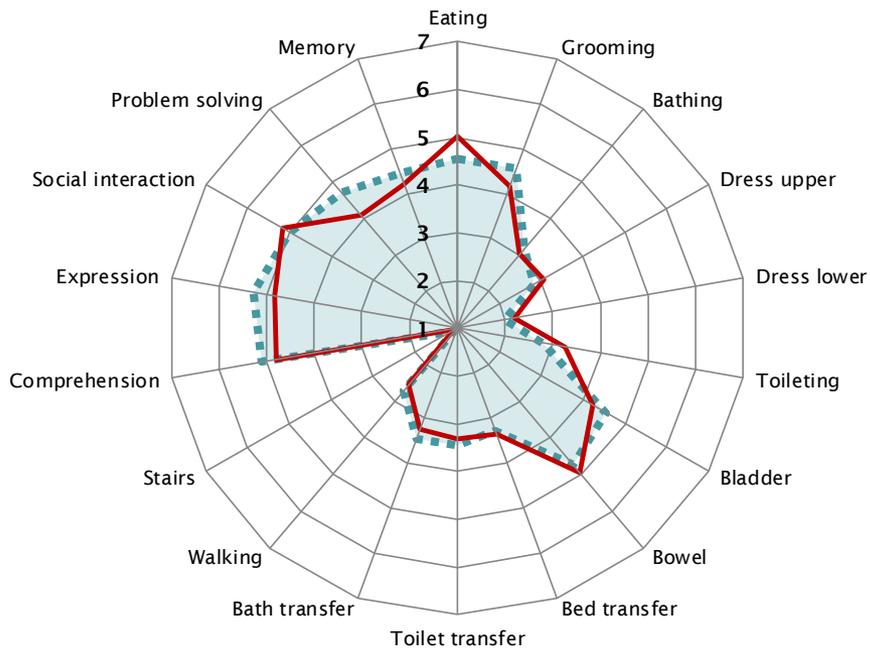
# Comparative FIM item scoring

## AN-SNAP class 4AA4



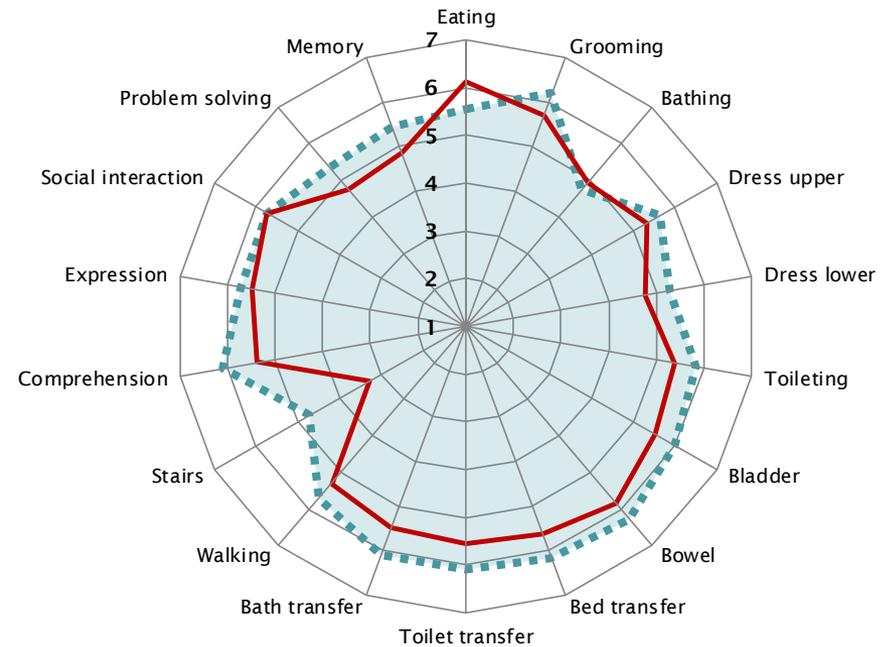
### 4AA4 Admission FIM scores

YOUR FACILITY (n=11)  
 AUSTRALIA (n=1,070)



### 4AA4 Discharge FIM scores

YOUR FACILITY (n=11)  
 AUSTRALIA (n=1,070)



NOTE: Includes only completed episodes with valid FIM scores

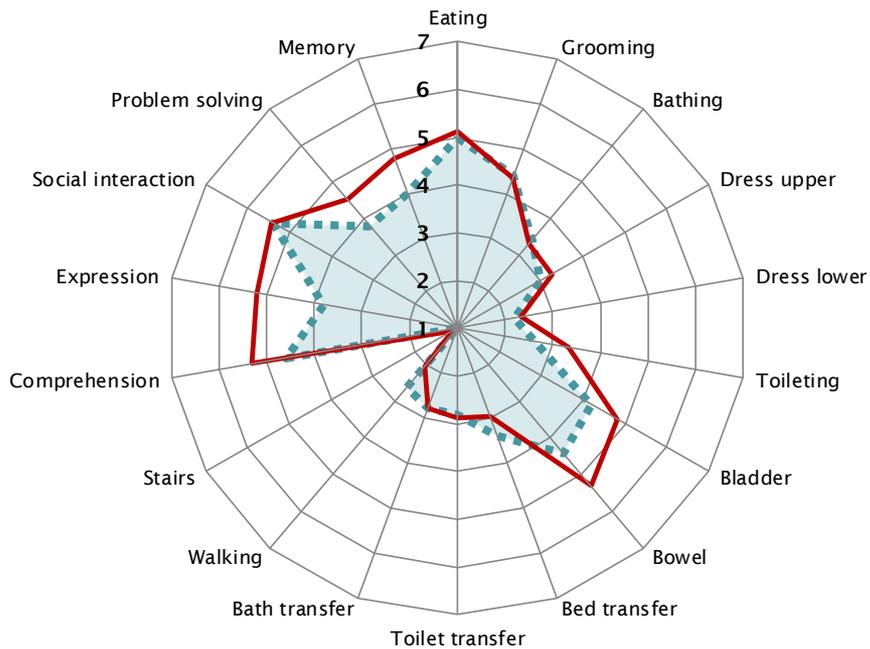
# Comparative FIM item scoring

## AN-SNAP class 4AA5



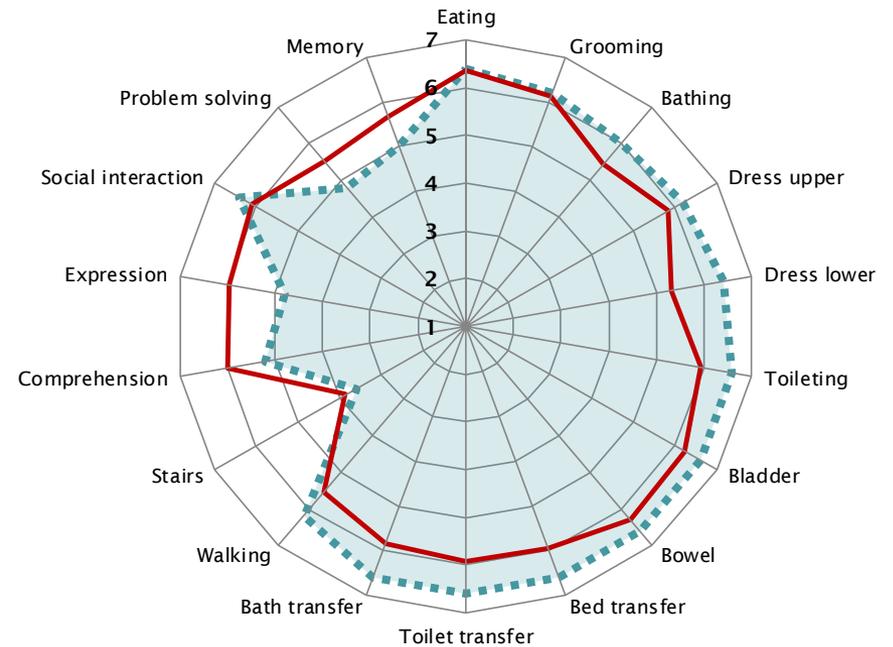
### 4AA5 Admission FIM scores

- YOUR FACILITY (n=5)
- AUSTRALIA (n=366)



### 4AA5 Discharge FIM scores

- YOUR FACILITY (n=5)
- AUSTRALIA (n=366)



NOTE: Includes only completed episodes with valid FIM scores

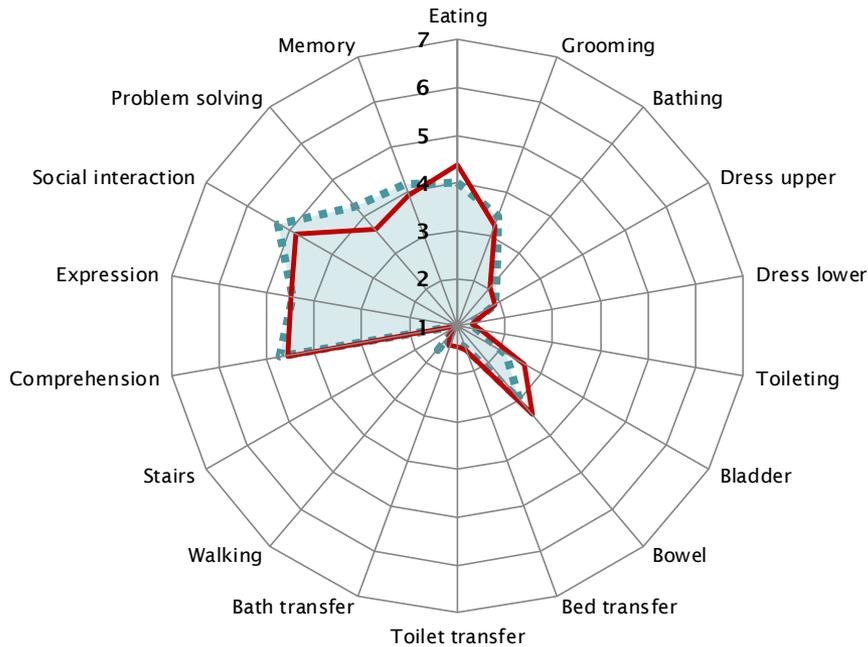
# Comparative FIM item scoring

## AN-SNAP class 4AA6



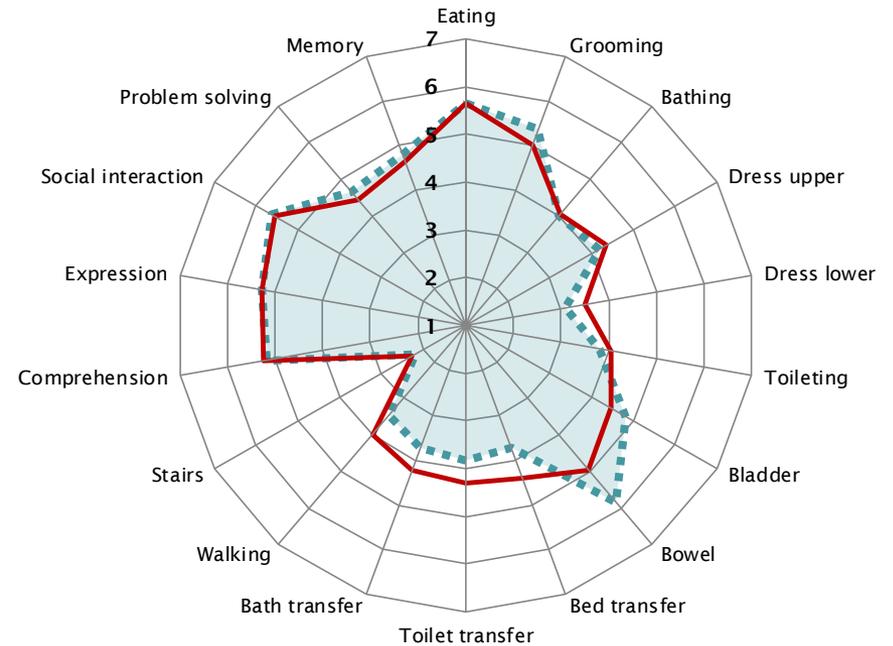
### 4AA6 Admission FIM scores

YOUR FACILITY (n=11)  
 AUSTRALIA (n=1,130)



### 4AA6 Discharge FIM scores

YOUR FACILITY (n=11)  
 AUSTRALIA (n=1,130)



NOTE: Includes only completed episodes with valid FIM scores

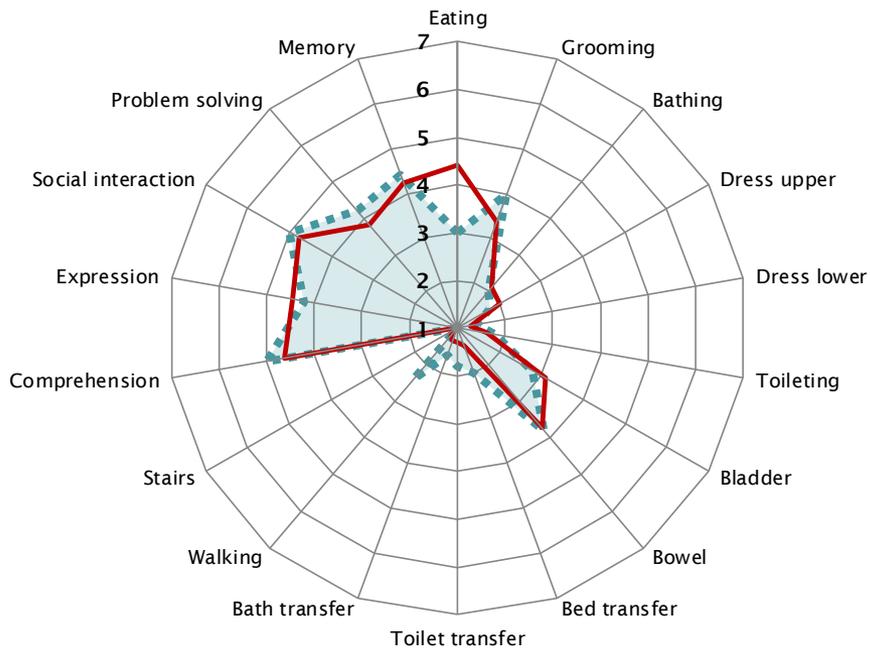
# Comparative FIM item scoring

## AN-SNAP class 4AA7



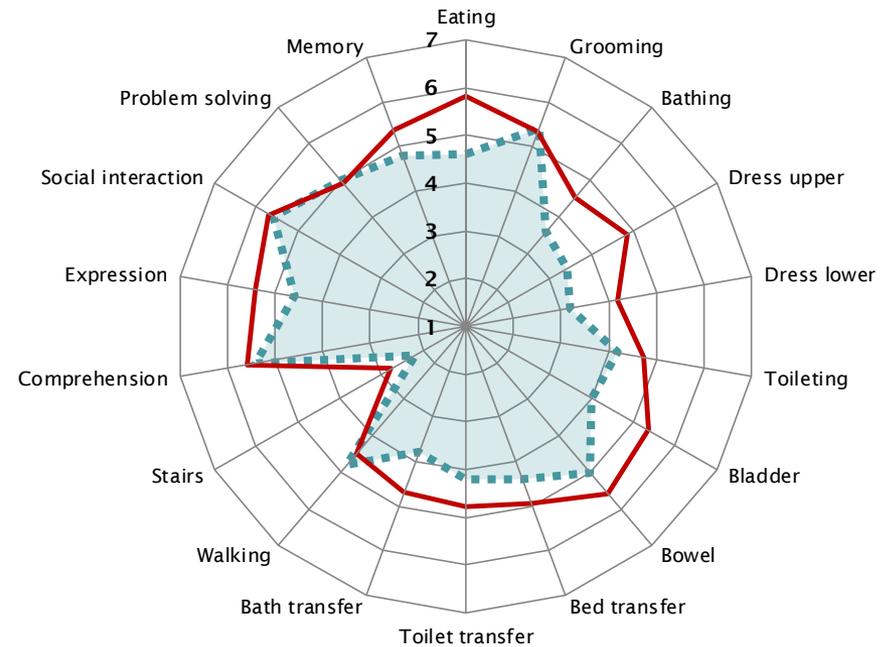
### 4AA7 Admission FIM scores

YOUR FACILITY (n=5)  
 AUSTRALIA (n=398)



### 4AA7 Discharge FIM scores

YOUR FACILITY (n=5)  
 AUSTRALIA (n=398)



NOTE: Includes only completed episodes with valid FIM scores

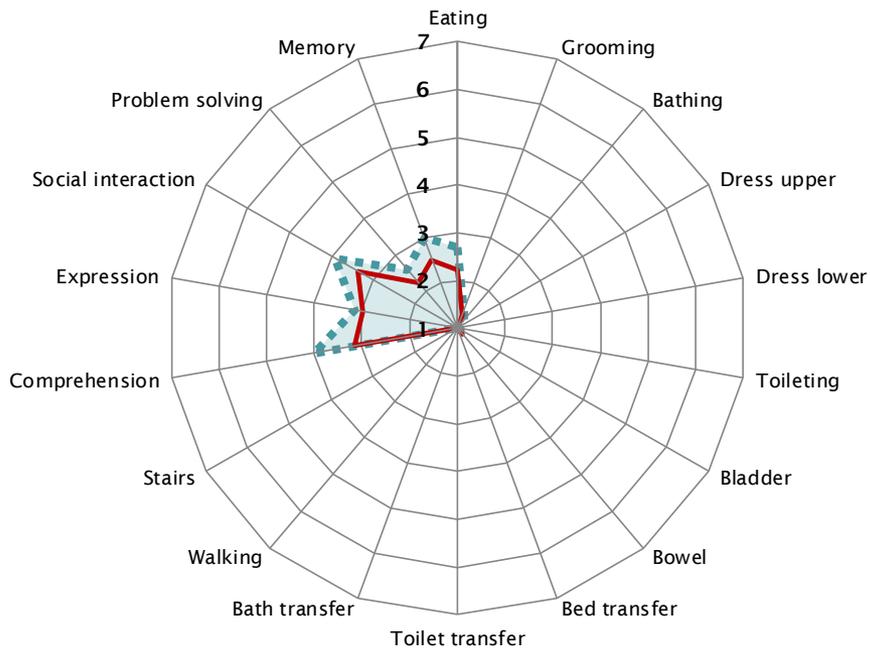
# Comparative FIM item scoring

## AN-SNAP class 4AZ3



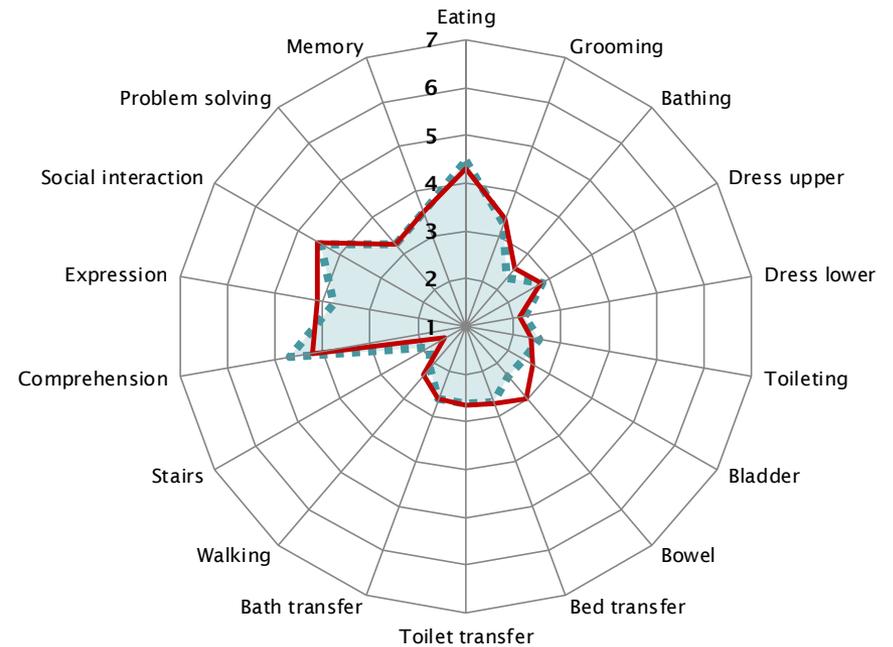
### 4AZ3 Admission FIM scores

- YOUR FACILITY (n=13)
- AUSTRALIA (n=623)



### 4AZ3 Discharge FIM scores

- YOUR FACILITY (n=13)
- AUSTRALIA (n=623)



NOTE: Includes only completed episodes with valid FIM scores

# Comparative FIM item scoring

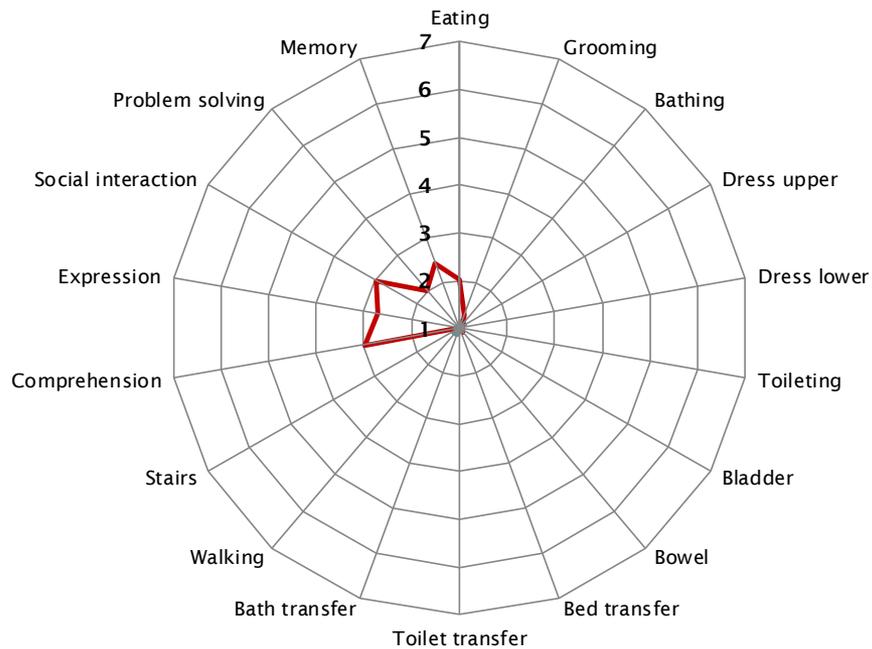
## AN-SNAP class 4AZ4



### 4AZ4 Admission FIM scores

YOUR FACILITY (n<5)

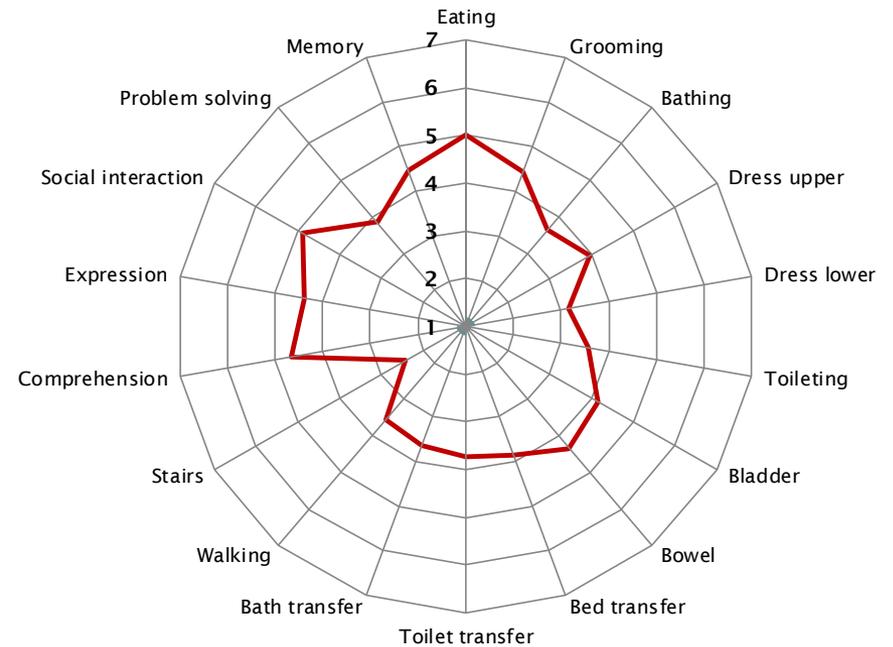
AUSTRALIA (n=1 89)



### 4AZ4 Discharge FIM scores

YOUR FACILITY (n<5)

AUSTRALIA (n=1 89)



NOTE: Includes only completed episodes with valid FIM scores

# Outcomes Analysis

# Completed episodes by AN-SNAP class and impairment

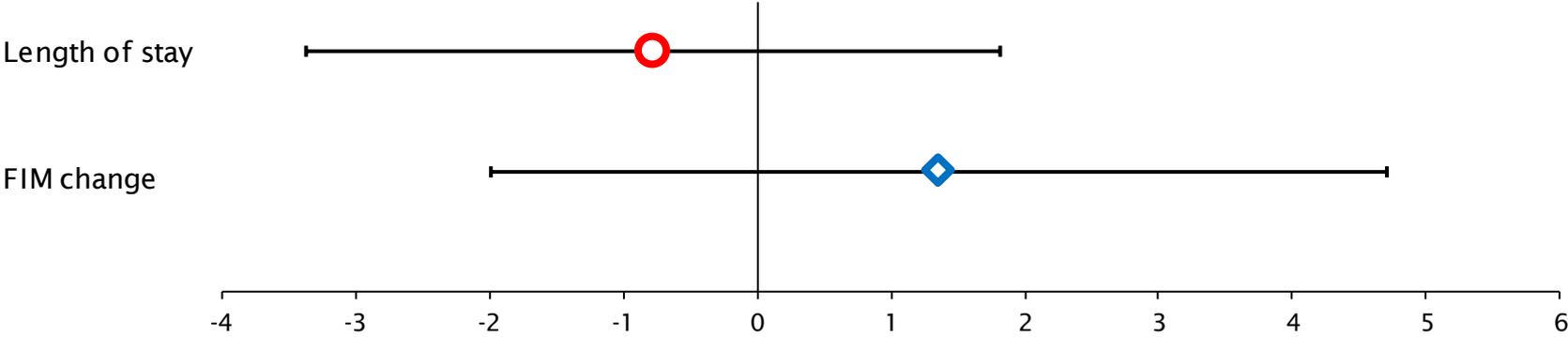


| AN-SNAP class V4                    | YOUR FACILITY |                    |             | AUSTRALIA    |                    |             |
|-------------------------------------|---------------|--------------------|-------------|--------------|--------------------|-------------|
|                                     | All episodes  | Completed episodes | % Complete  | All episodes | Completed episodes | % Complete  |
| 4AA1 (motor 51-91, cognition 29-35) | 29            | 25                 | 86.2        | 2,219        | 2,066              | 93.1        |
| 4AA2 (motor 51-91, cognition 19-28) | 28            | 26                 | 92.9        | 1,985        | 1,791              | 90.2        |
| 4AA3 (motor 51-91, cognition 5-18)  | 2             | 2                  | 100.0       | 617          | 510                | 82.7        |
| 4AA4 (motor 36-50, Age ≥ 68)        | 13            | 11                 | 84.6        | 1,285        | 1,070              | 83.3        |
| 4AA5 (motor 36-50, Age ≤ 67)        | 5             | 5                  | 100.0       | 436          | 366                | 83.9        |
| 4AA6 (motor 19-35, Age ≥ 68)        | 14            | 11                 | 78.6        | 1,495        | 1,131              | 75.7        |
| 4AA7 (motor 19-35, Age ≤ 67)        | 6             | 5                  | 83.3        | 533          | 398                | 74.7        |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 15            | 13                 | 86.7        | 982          | 627                | 63.8        |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 3             | 2                  | 66.7        | 302          | 191                | 63.2        |
| <b>All Stroke AN-SNAP Classes</b>   | <b>115</b>    | <b>100</b>         | <b>87.0</b> | <b>9,854</b> | <b>8,150</b>       | <b>82.7</b> |

| Impairment        | YOUR FACILITY |                    |             | AUSTRALIA    |                    |             |
|-------------------|---------------|--------------------|-------------|--------------|--------------------|-------------|
|                   | All episodes  | Completed episodes | % Complete  | All episodes | Completed episodes | % Complete  |
| 1.1 Haemorrhagic  | 34            | 26                 | 76.5        | 2,714        | 2,202              | 81.1        |
| 1.2 Ischaemic     | 81            | 74                 | 91.4        | 7,156        | 5,954              | 83.2        |
| <b>All Stroke</b> | <b>115</b>    | <b>100</b>         | <b>87.0</b> | <b>9,870</b> | <b>8,156</b>       | <b>82.6</b> |

NOTE: All outcomes analysis are based on completed episodes. A definition of completed episodes can be found in Appendix 1 (Glossary).

# Casemix-adjusted\* relative means

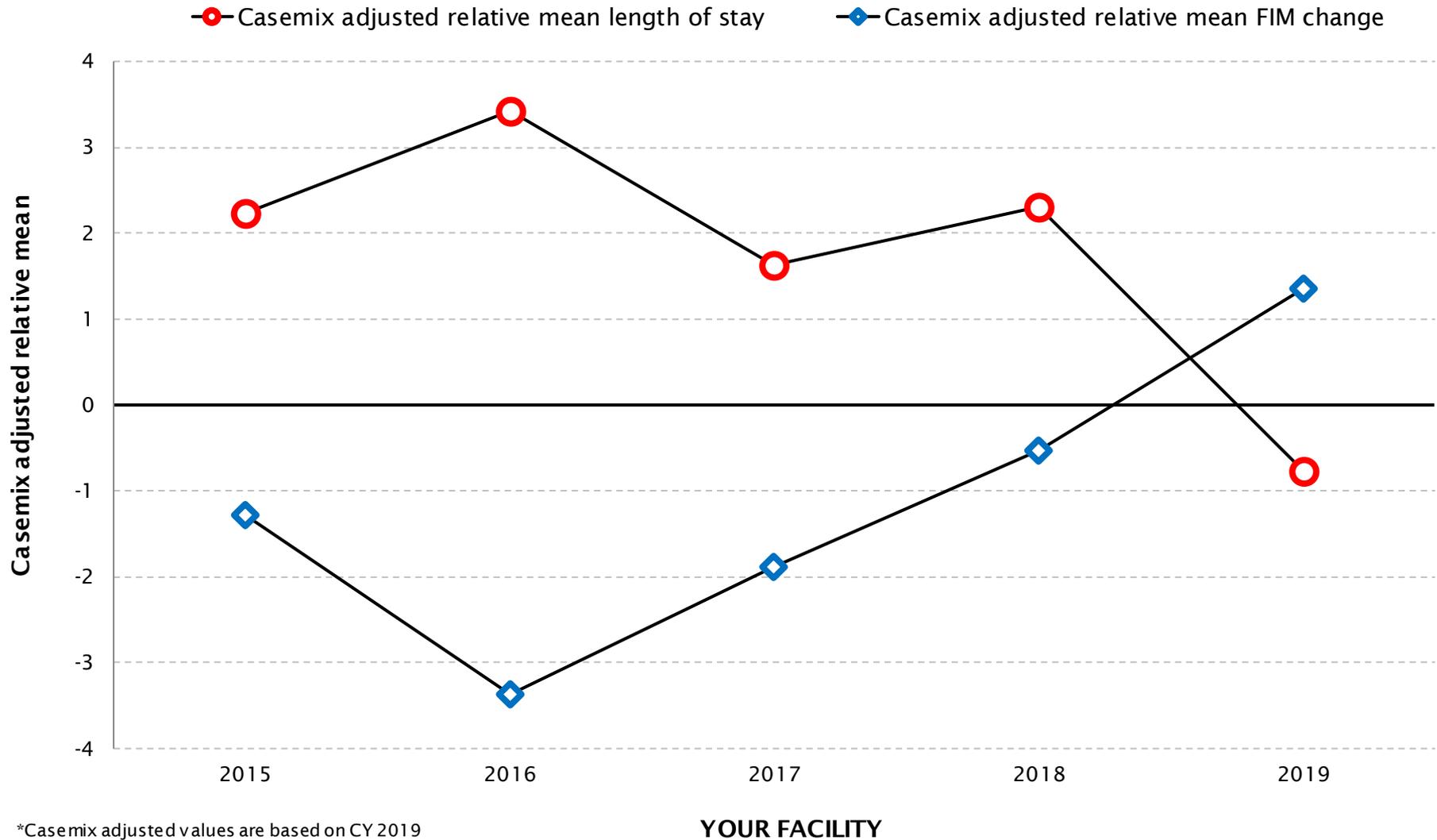


Casemix-adjusted relative means with 95% confidence intervals

| Out come measure | YOUR FACILITY                     |             | AUSTRALIA    |
|------------------|-----------------------------------|-------------|--------------|
|                  | Casemix-adjust ed* relat ive mean | 95% CI      | National IQR |
| Length of stay   | -0.8                              | -3.4 to 1.8 | -8.3 to 7.0  |
| FIM change       | 1.4                               | -2.0 to 4.7 | -9.9 to 9.6  |

\*Includes only completed episodes with valid FIM scores and LOS

# Casemix-adjusted\* relative means over time



\*Casemix adjusted values are based on CY 2019

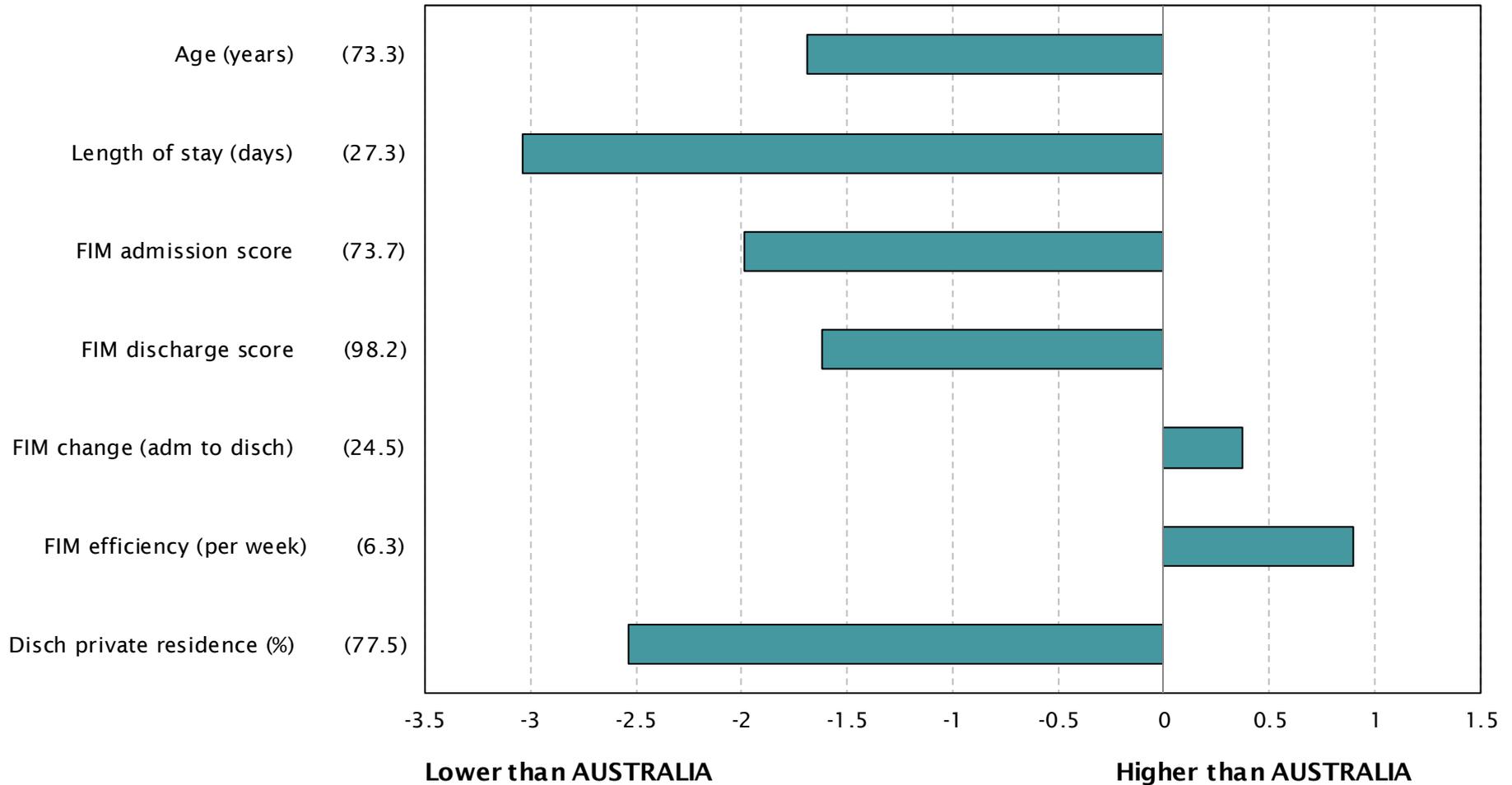
NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will not be shown

# Outcome measures – difference from National



## How YOUR FACILITY is different to AUSTRALIA

AUSTRALIA



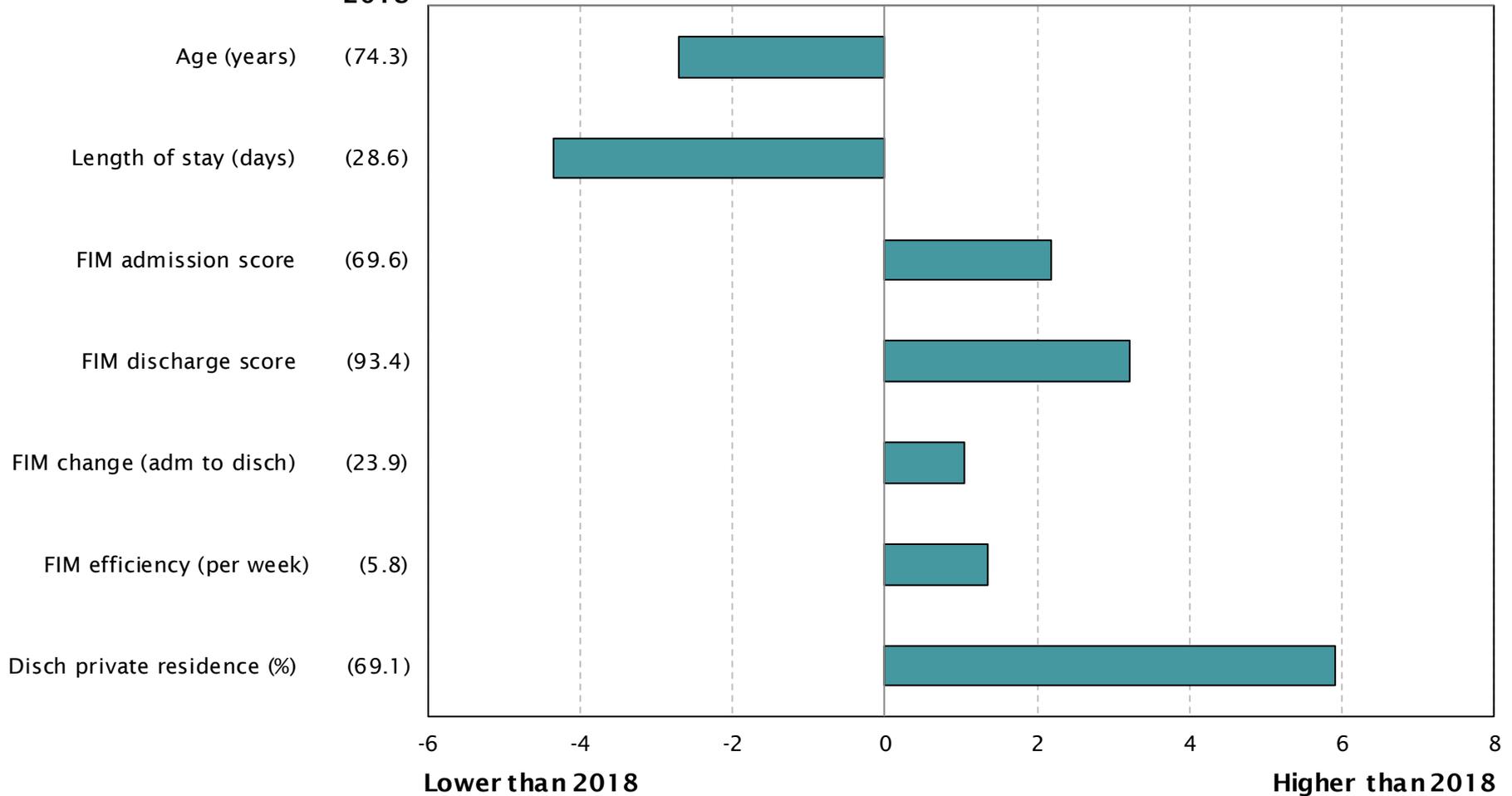
NOTE: Includes only completed episodes with valid FIM scores and LOS

# Outcome measures - difference from last year



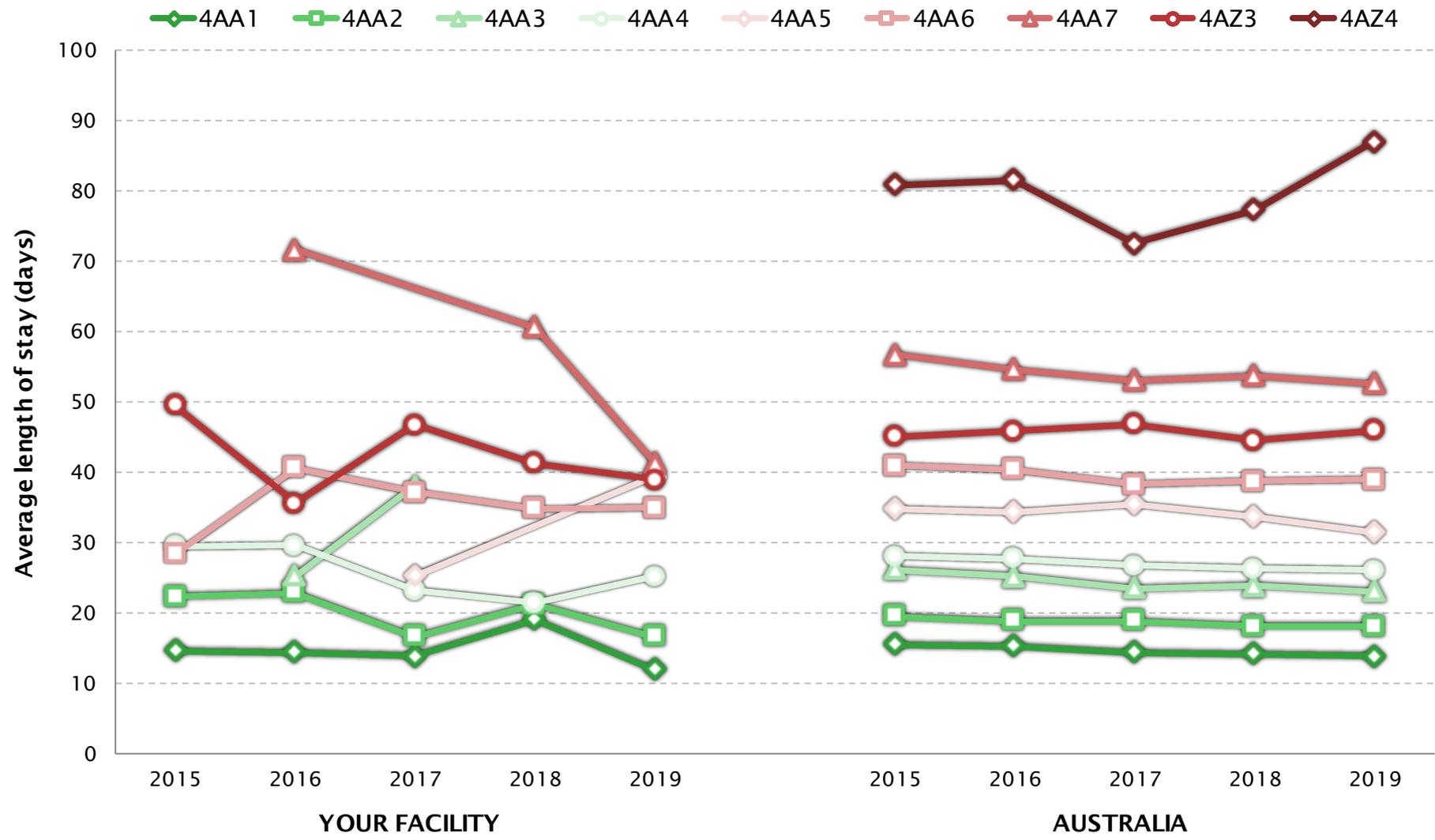
## How YOUR FACILITY has changed since 2018

2018



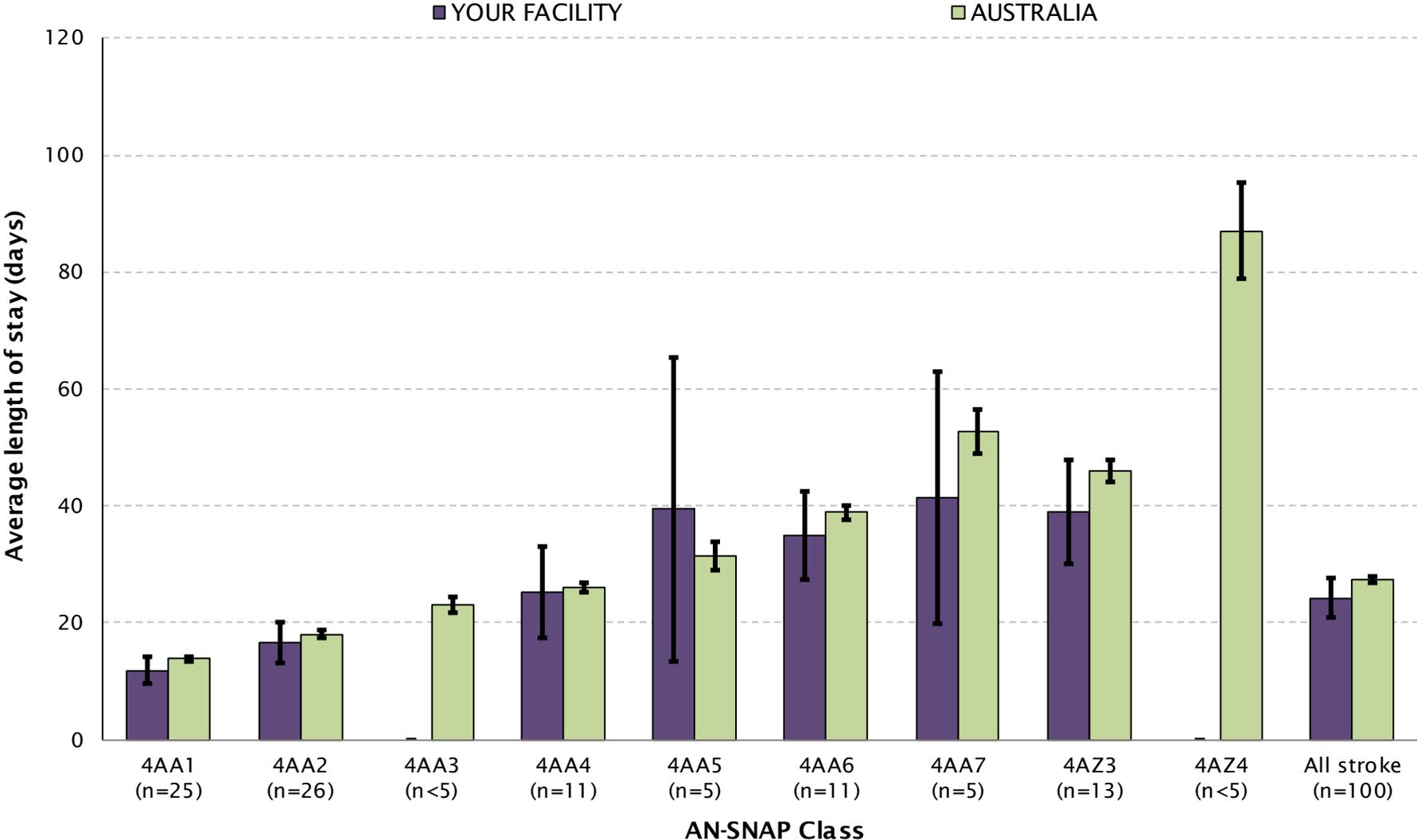
NOTE: Includes only completed episodes with valid FIM scores and LOS

# Average length of stay by AN-SNAP class over time



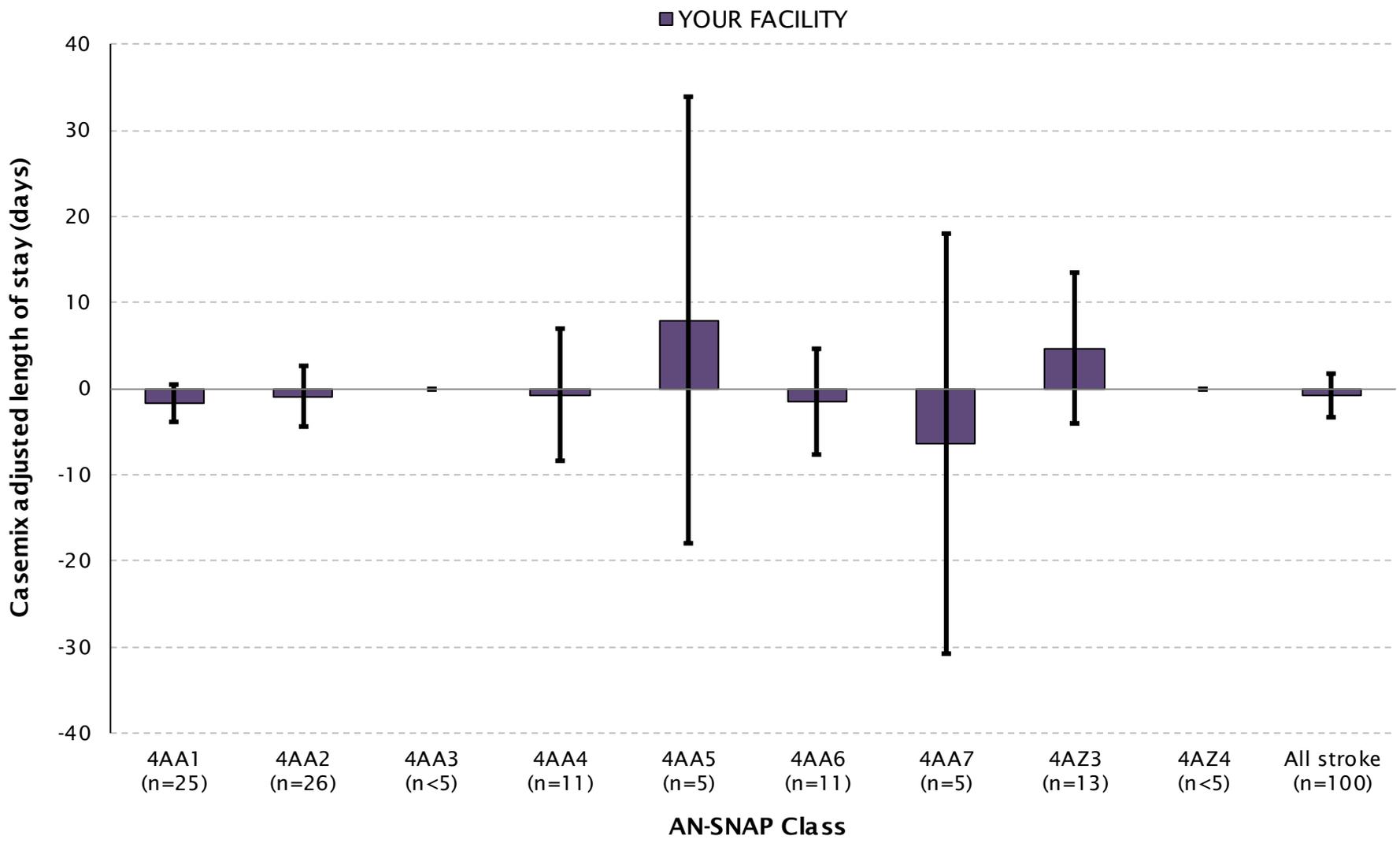
NOTE: Includes only completed episodes with valid LOS; where n<5 ALOS will not be shown

# Average length of stay by AN-SNAP class



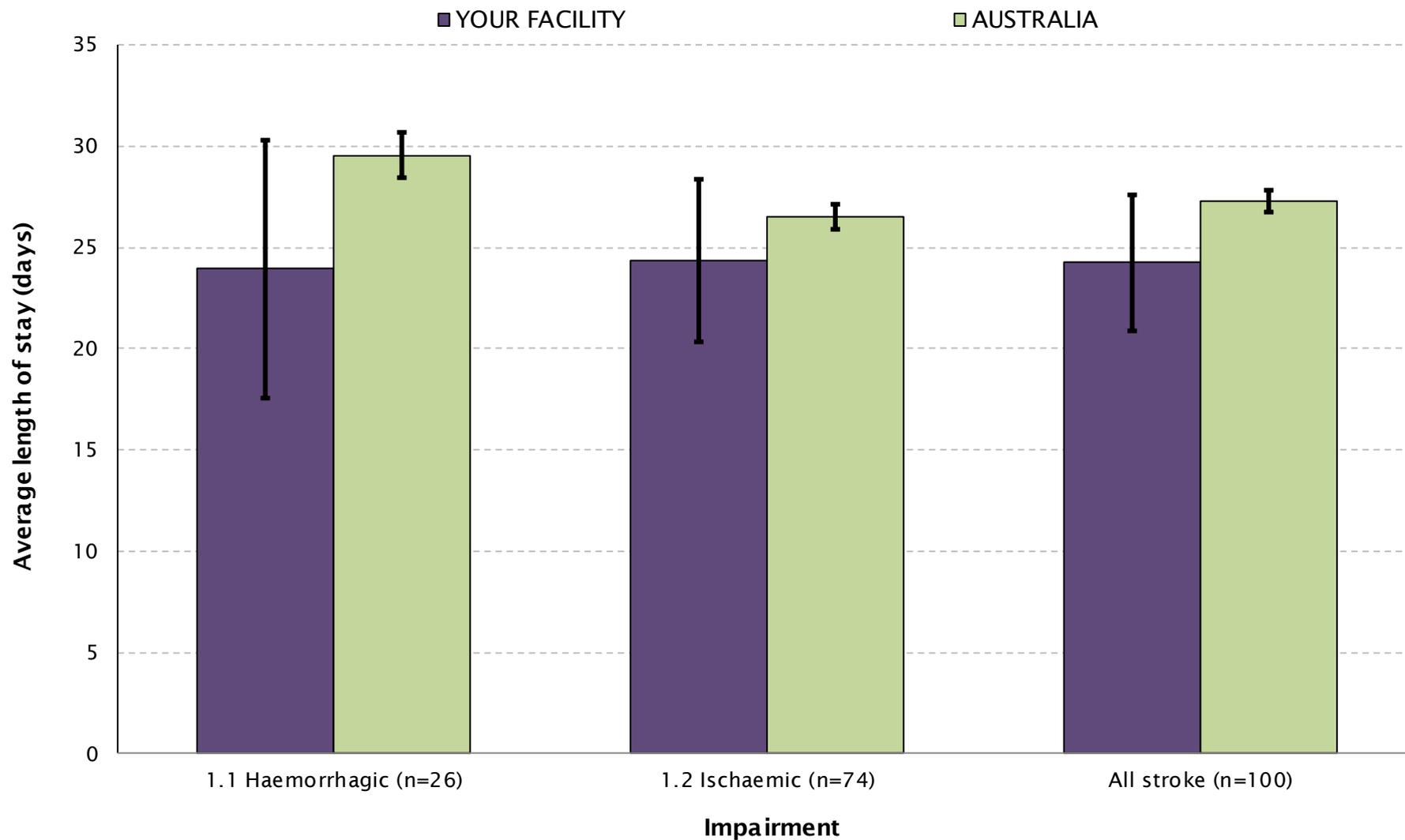
NOTE: Includes only completed episodes with valid LOS; where n<5 ALOS will not be shown

# Casemix-adjusted relative mean length of stay by AN-SNAP class



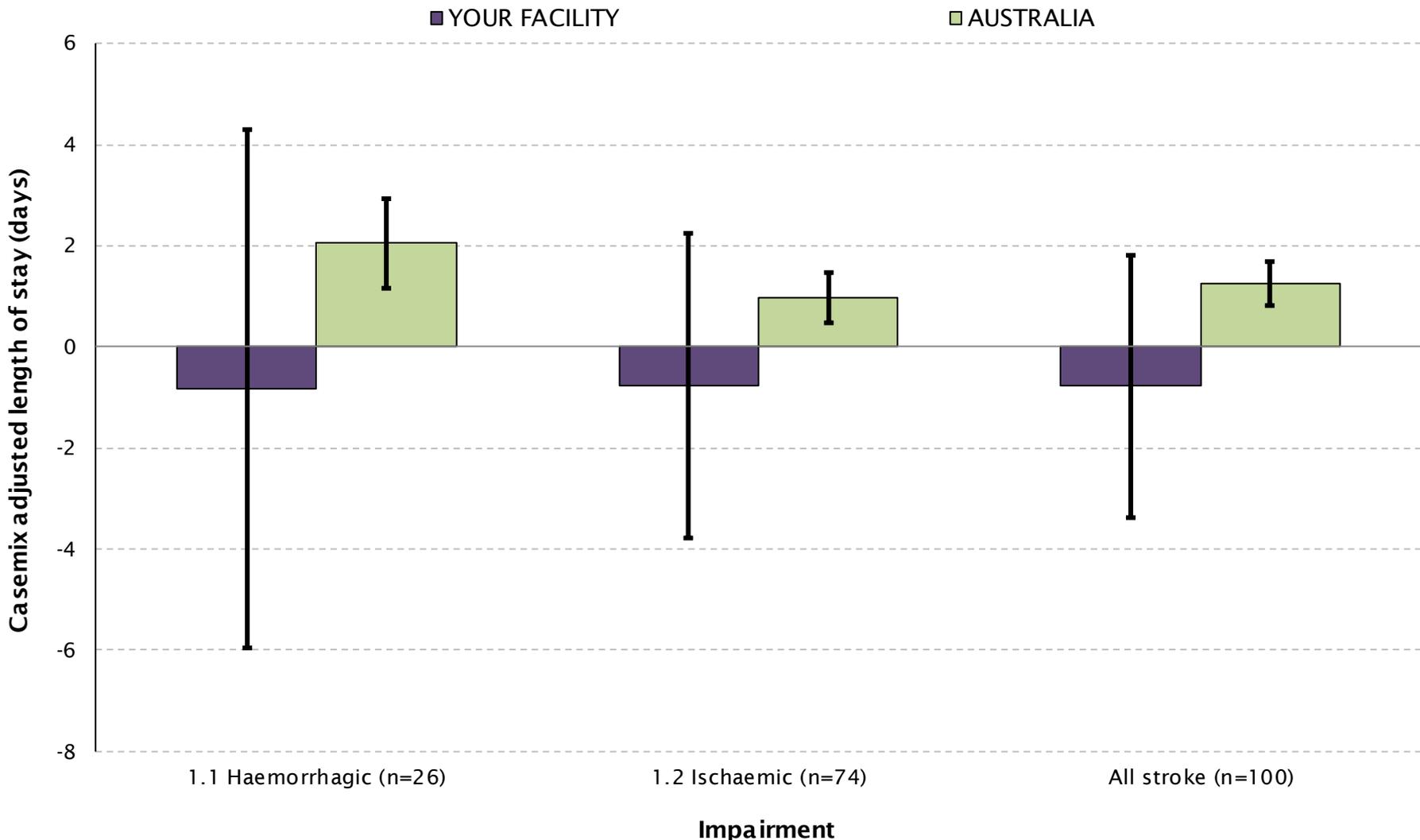
NOTE: Includes only completed episodes with valid LOS; where n<5 CARMi LOS will not be shown

# Average length of stay by impairment



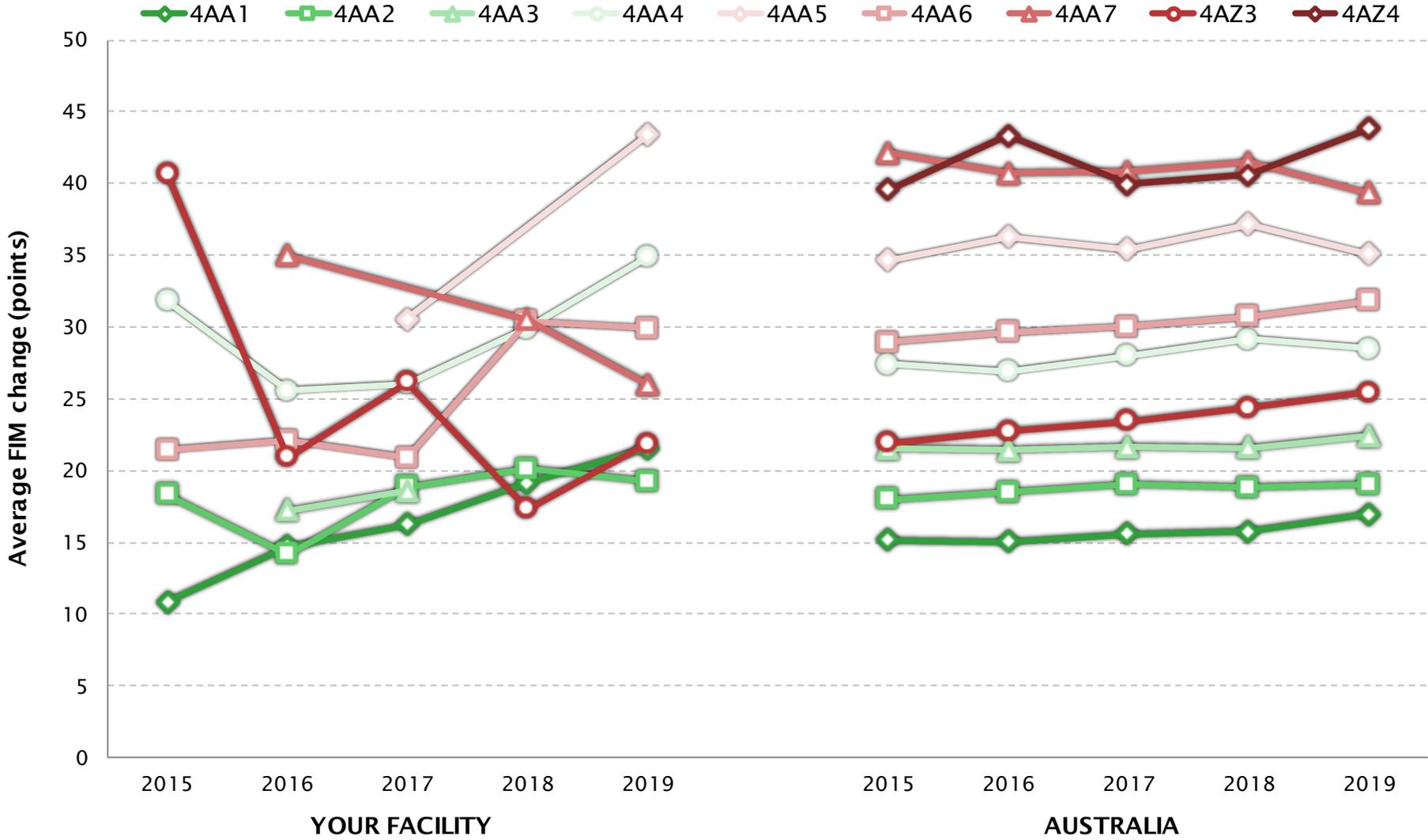
NOTE: Includes only completed episodes with valid LOS; where n<5 ALOS will not be shown

# Casemix-adjusted relative mean length of stay by impairment



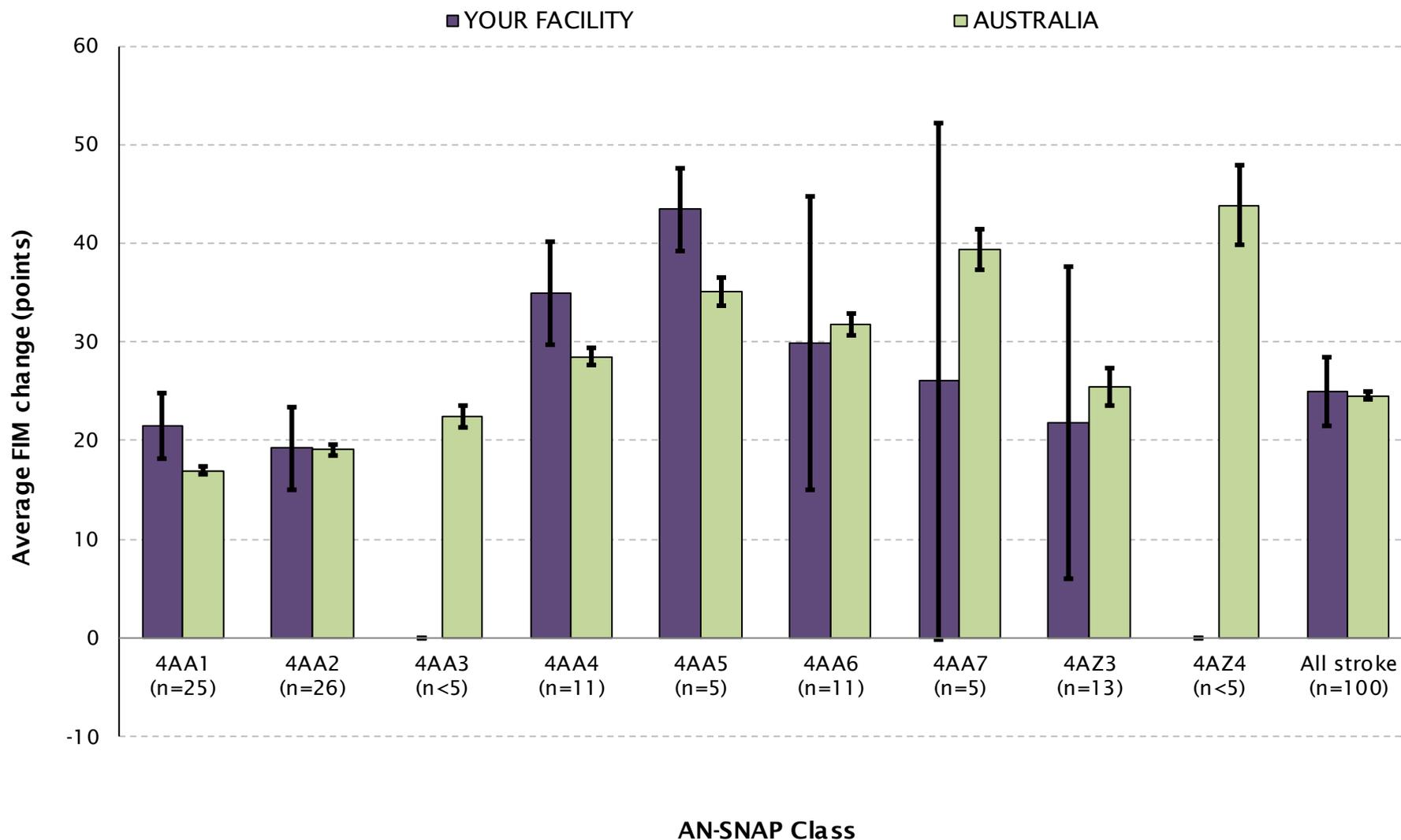
NOTE: Includes only completed episodes with valid LOS; where n<5 CARMi LOS will not be shown

# Average FIM change by AN-SNAP class over time



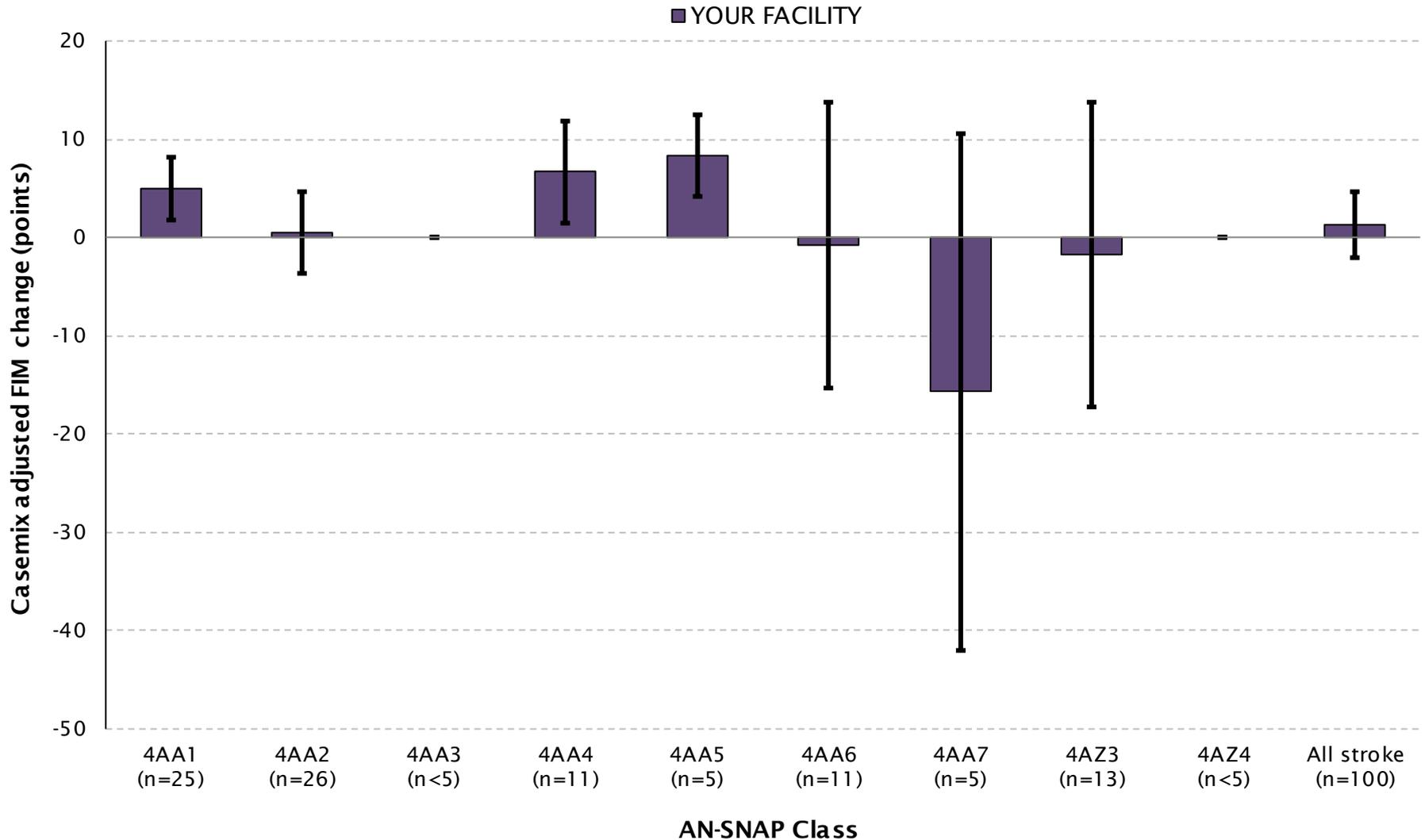
NOTE: Includes only completed episodes with valid FIM scores; where n<5 average FIM change will not be shown

# Average FIM change by AN-SNAP class



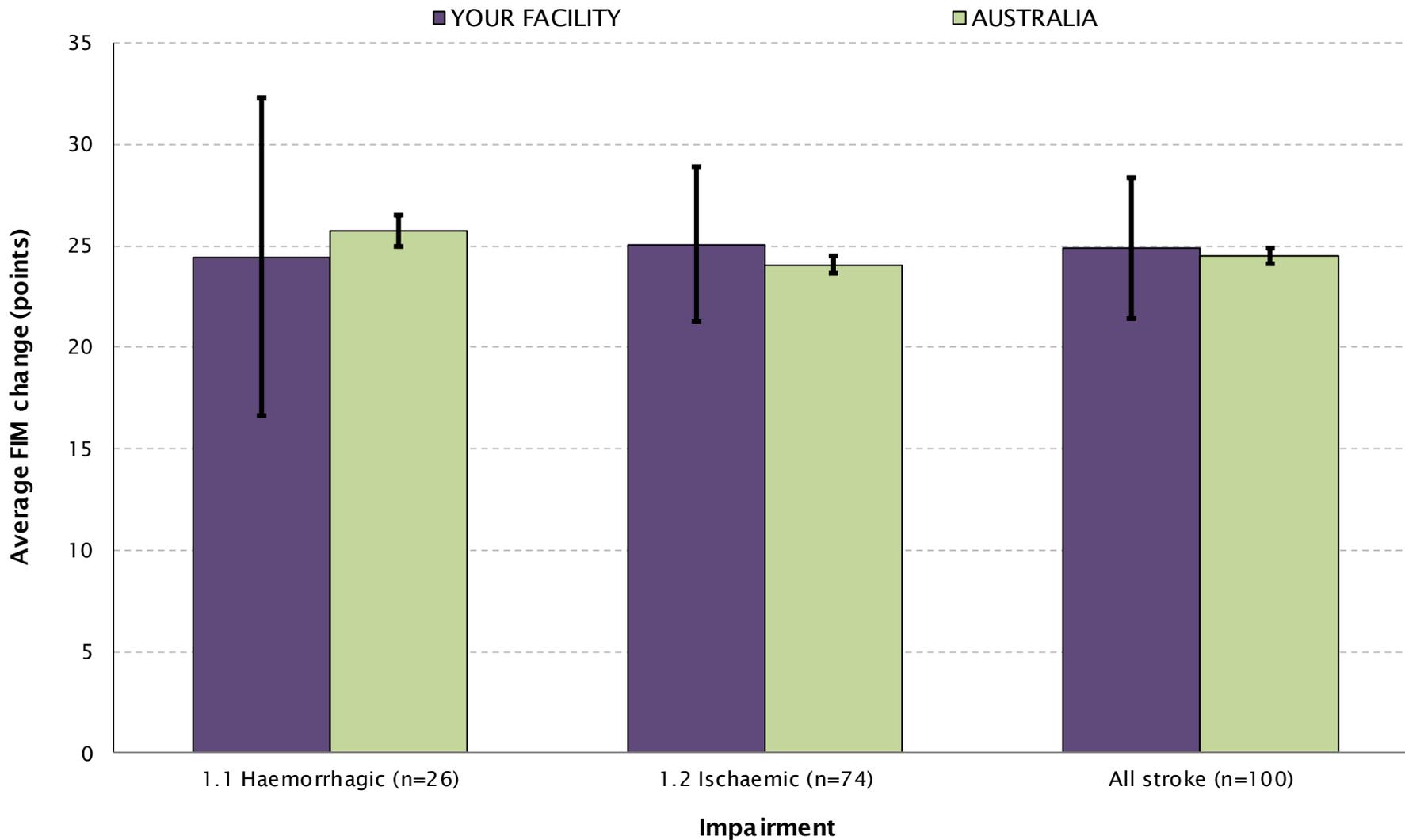
NOTE: Includes only completed episodes with valid FIM scores; where n<5 average FIM change will not be shown

# Casemix-adjusted relative mean FIM change by AN-SNAP class



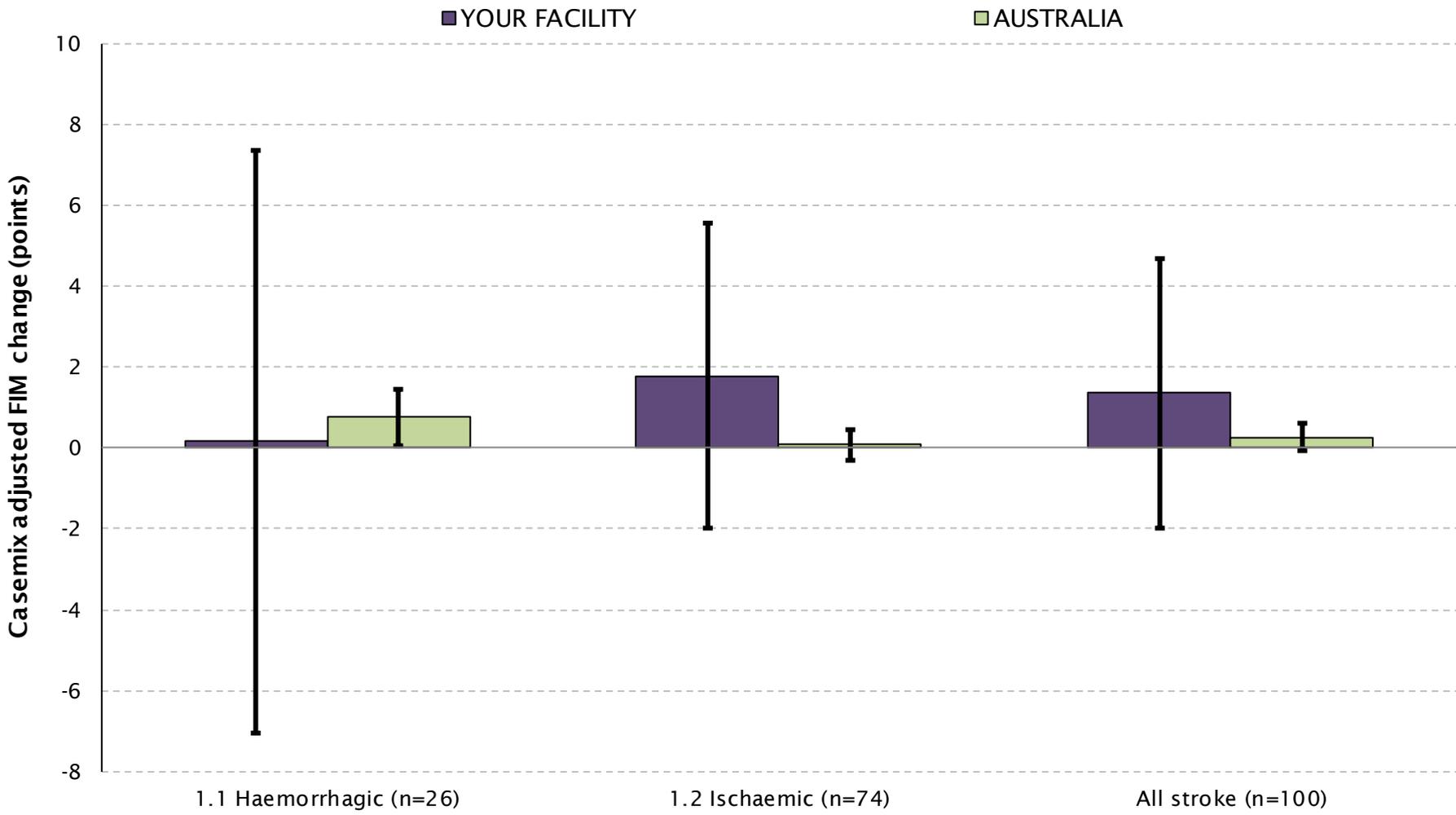
NOTE: Includes only completed episodes with valid FIM scores; where n<5 CARMi FIM change will not be shown

# Average FIM change by impairment



NOTE: Includes only completed episodes with valid FIM scores; where n<5 average FIM change will not be shown

# Casemix-adjusted relative mean FIM change by impairment



NOTE: Includes only completed episodes with valid FIM scores; where n<5 CARMi FIM change will not be shown

# Casemix-adjusted relative mean and average length of stay and FIM change by AN-SNAP class and impairment

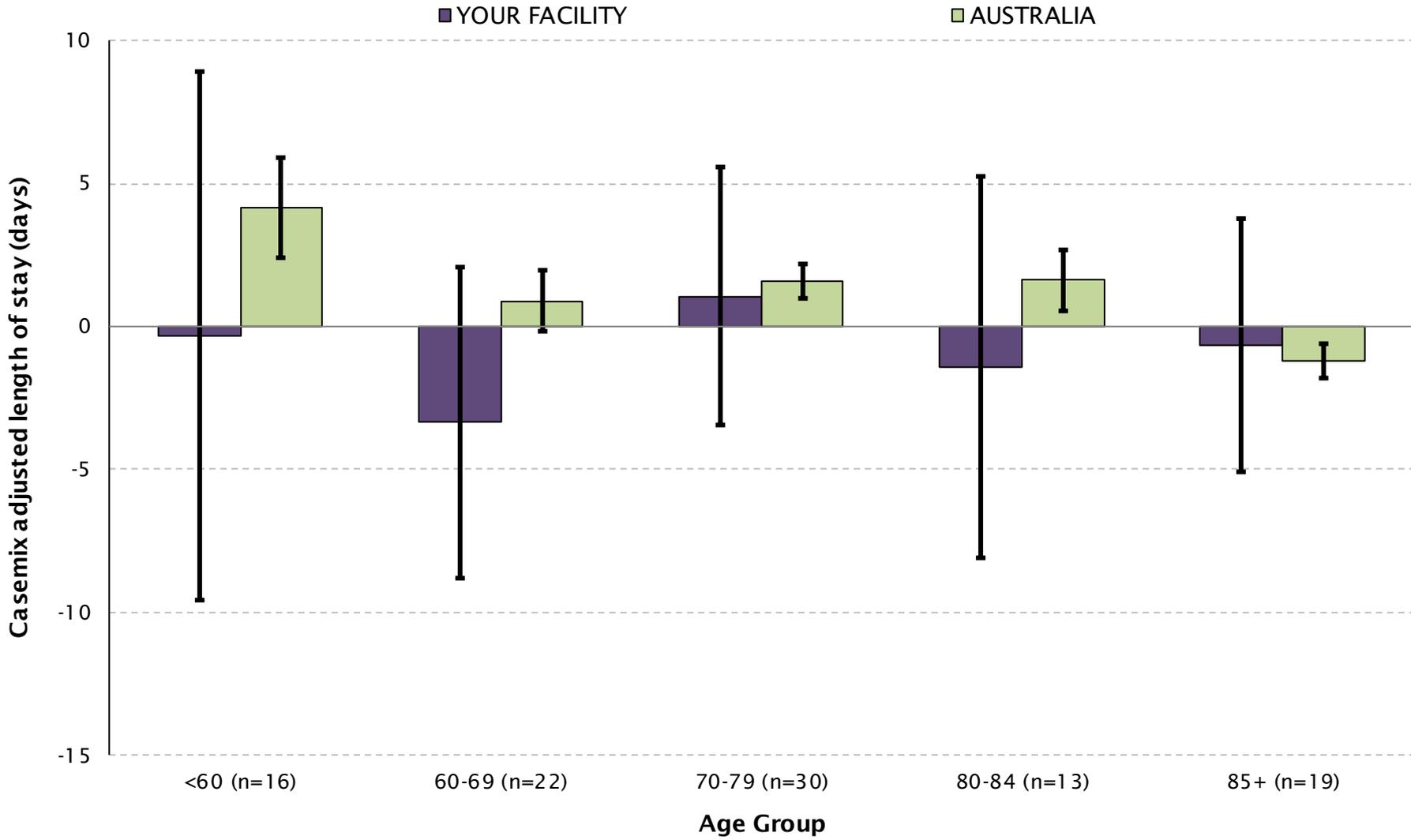


| AN-SNAP class V4                    | YOUR FACILITY            |                         |  |                           |                           |  | AUSTRALIA                 |                           |  |  |
|-------------------------------------|--------------------------|-------------------------|--|---------------------------|---------------------------|--|---------------------------|---------------------------|--|--|
|                                     | CARMi (95%CI)            |                         |  | Average (95%CI)           |                           |  | Average (95%CI)           |                           |  |  |
|                                     | LOS                      | FIM change              |  | LOS                       | FIM change                |  | LOS                       | FIM change                |  |  |
| 4AA1 (motor 51-91, cognition 29-35) | -1.7 (-3.9 - 0.5)        | 5.0 (1.8 - 8.2)         |  | 11.8 (9.6 - 14.1)         | 21.5 (18.2 - 24.9)        |  | 13.8 (13.5 - 14.2)        | 16.9 (16.5 - 17.3)        |  |  |
| 4AA2 (motor 51-91, cognition 19-28) | -0.9 (-4.4 - 2.6)        | 0.5 (-3.6 - 4.7)        |  | 16.6 (13.1 - 20.2)        | 19.2 (15.0 - 23.4)        |  | 18.0 (17.4 - 18.7)        | 19.0 (18.5 - 19.6)        |  |  |
| 4AA3 (motor 51-91, cognition 5-18)  | —                        | —                       |  | —                         | —                         |  | 23.0 (21.6 - 24.5)        | 22.4 (21.2 - 23.5)        |  |  |
| 4AA4 (motor 36-50, Age ≥ 68)        | -0.7 (-8.4 - 6.9)        | 6.7 (1.6 - 11.8)        |  | 25.1 (17.3 - 32.9)        | 34.9 (29.6 - 40.2)        |  | 26.0 (25.2 - 26.8)        | 28.5 (27.6 - 29.4)        |  |  |
| 4AA5 (motor 36-50, Age ≤ 67)        | 8.0 (-18.0 - 33.9)       | 8.4 (4.3 - 12.6)        |  | 39.4 (13.4 - 65.4)        | 43.4 (39.3 - 47.5)        |  | 31.4 (29.1 - 33.8)        | 35.1 (33.6 - 36.6)        |  |  |
| 4AA6 (motor 19-35, Age ≥ 68)        | -1.5 (-7.7 - 4.7)        | -0.8 (-15.4 - 13.9)     |  | 34.9 (27.5 - 42.4)        | 29.9 (15.0 - 44.8)        |  | 38.9 (37.6 - 40.2)        | 31.8 (30.7 - 32.9)        |  |  |
| 4AA7 (motor 19-35, Age ≤ 67)        | -6.4 (-30.7 - 17.9)      | -15.7 (-42.0 - 10.6)    |  | 41.4 (19.7 - 63.1)        | 26.0 (-0.1 - 52.1)        |  | 52.7 (48.9 - 56.4)        | 39.3 (37.3 - 41.4)        |  |  |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 4.7 (-4.1 - 13.4)        | -1.8 (-17.3 - 13.8)     |  | 38.9 (30.1 - 47.8)        | 21.8 (6.0 - 37.7)         |  | 46.0 (44.0 - 47.9)        | 25.4 (23.6 - 27.3)        |  |  |
| 4AZ4 (motor 13-18, Age ≤ 64)        | —                        | —                       |  | —                         | —                         |  | 87.1 (78.8 - 95.3)        | 43.8 (39.8 - 47.9)        |  |  |
| <b>All Stroke AN-SNAP Classes</b>   | <b>-0.8 (-3.4 - 1.8)</b> | <b>1.4 (-2.0 - 4.7)</b> |  | <b>24.3 (20.9 - 27.6)</b> | <b>24.9 (21.4 - 28.4)</b> |  | <b>27.3 (26.8 - 27.9)</b> | <b>24.5 (24.2 - 24.9)</b> |  |  |

| Impairment        | YOUR FACILITY            |                         |  |                           |                           |  | AUSTRALIA                 |                           |  |  |
|-------------------|--------------------------|-------------------------|--|---------------------------|---------------------------|--|---------------------------|---------------------------|--|--|
|                   | CARMi (95%CI)            |                         |  | Average (95%CI)           |                           |  | Average (95%CI)           |                           |  |  |
|                   | LOS                      | FIM change              |  | LOS                       | FIM change                |  | LOS                       | FIM change                |  |  |
| 1.1 Haemorrhagic  | -0.8 (-6.0 - 4.3)        | 0.2 (-7.1 - 7.4)        |  | 24.0 (17.6 - 30.3)        | 24.5 (16.6 - 32.3)        |  | 29.5 (28.4 - 30.6)        | 25.7 (25.0 - 26.5)        |  |  |
| 1.2 Ischaemic     | -0.8 (-3.8 - 2.3)        | 1.8 (-2.0 - 5.6)        |  | 24.4 (20.4 - 28.4)        | 25.1 (21.2 - 28.9)        |  | 26.5 (25.9 - 27.1)        | 24.1 (23.7 - 24.5)        |  |  |
| <b>All Stroke</b> | <b>-0.8 (-3.4 - 1.8)</b> | <b>1.4 (-2.0 - 4.7)</b> |  | <b>24.3 (20.9 - 27.6)</b> | <b>24.9 (21.4 - 28.4)</b> |  | <b>27.3 (26.8 - 27.9)</b> | <b>24.5 (24.2 - 24.9)</b> |  |  |

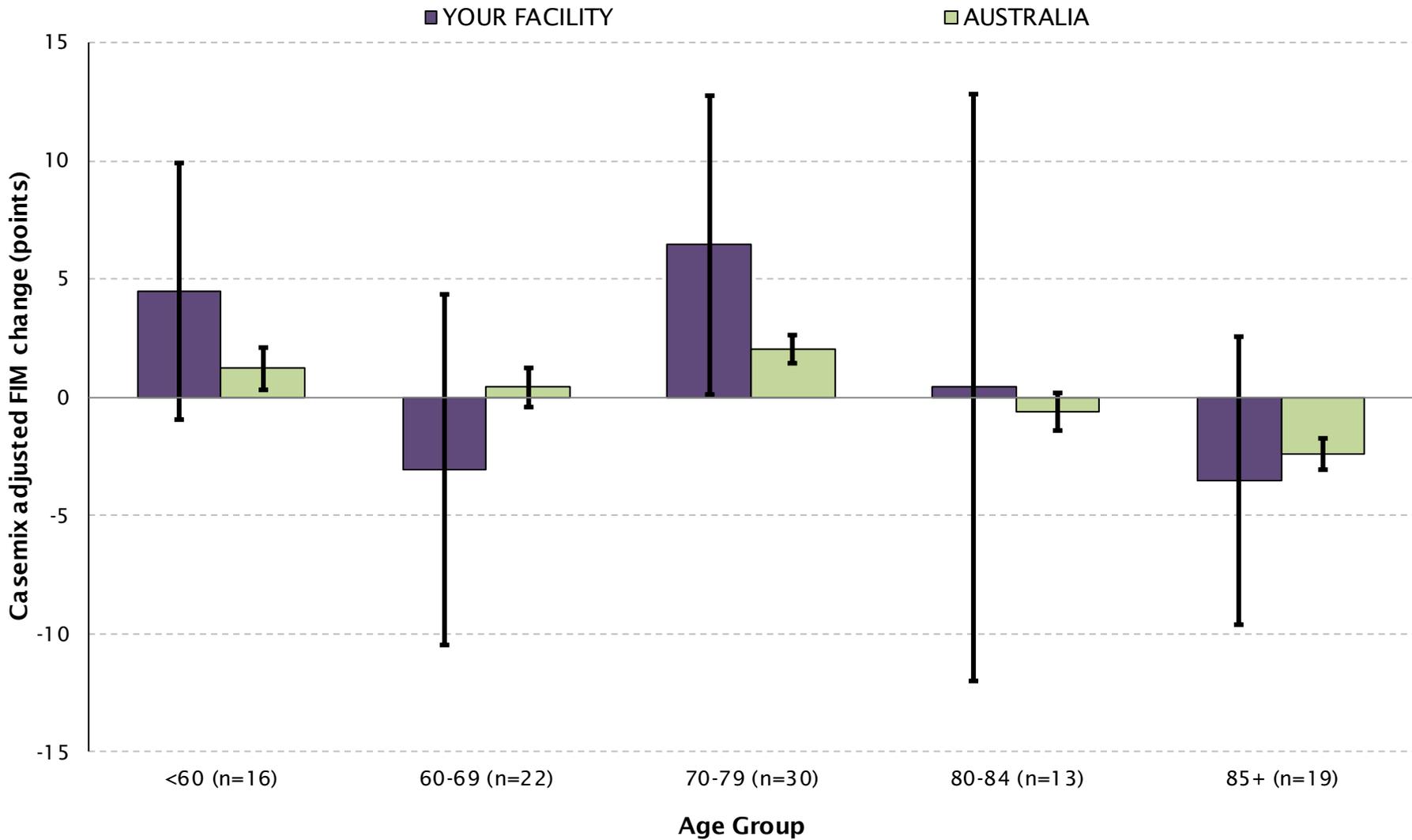
NOTE: Includes only completed episodes with valid FIM scores and LOS, where n<5 scores will not be shown.

# Casemix-adjusted relative mean length of stay by age group\*



\* Approximately 20% national population per age group  
 NOTE: Includes only completed episodes with valid LOS; where n<5 CARMi LOS will not be shown

# Casemix-adjusted relative mean FIM change by age group\*



\* Approximately 20% national population per age group  
 NOTE: Includes only completed episodes with valid FIM scores; where n<5 CARMi FIM Change will not be shown

# Average and casemix-adjusted relative mean length of stay and FIM change by age group\*



| Age group | YOUR FACILITY |               |            |               | AUSTRALIA |               |            |               |
|-----------|---------------|---------------|------------|---------------|-----------|---------------|------------|---------------|
|           | Mean LOS      | (95% CI)      | FIM change | (95% CI)      | Mean LOS  | (95% CI)      | FIM change | (95% CI)      |
| <60       | 20.6          | (10.1 - 31.1) | 27.1       | (18.4 - 35.7) | 34.0      | (31.8 - 36.2) | 27.3       | (26.2 - 28.4) |
| 60-69     | 23.6          | (15.7 - 31.6) | 21.7       | (15.7 - 27.7) | 29.0      | (27.7 - 30.4) | 25.8       | (24.9 - 26.8) |
| 70-79     | 25.4          | (19.3 - 31.5) | 29.2       | (22.3 - 36.1) | 25.7      | (24.9 - 26.5) | 25.3       | (24.6 - 25.9) |
| 80-84     | 26.5          | (16.9 - 36.0) | 26.1       | (13.7 - 38.5) | 26.4      | (25.2 - 27.7) | 23.0       | (22.1 - 23.8) |
| 85+       | 24.8          | (19.6 - 30.0) | 19.2       | (13.0 - 25.4) | 23.9      | (23.2 - 24.6) | 21.5       | (20.8 - 22.2) |

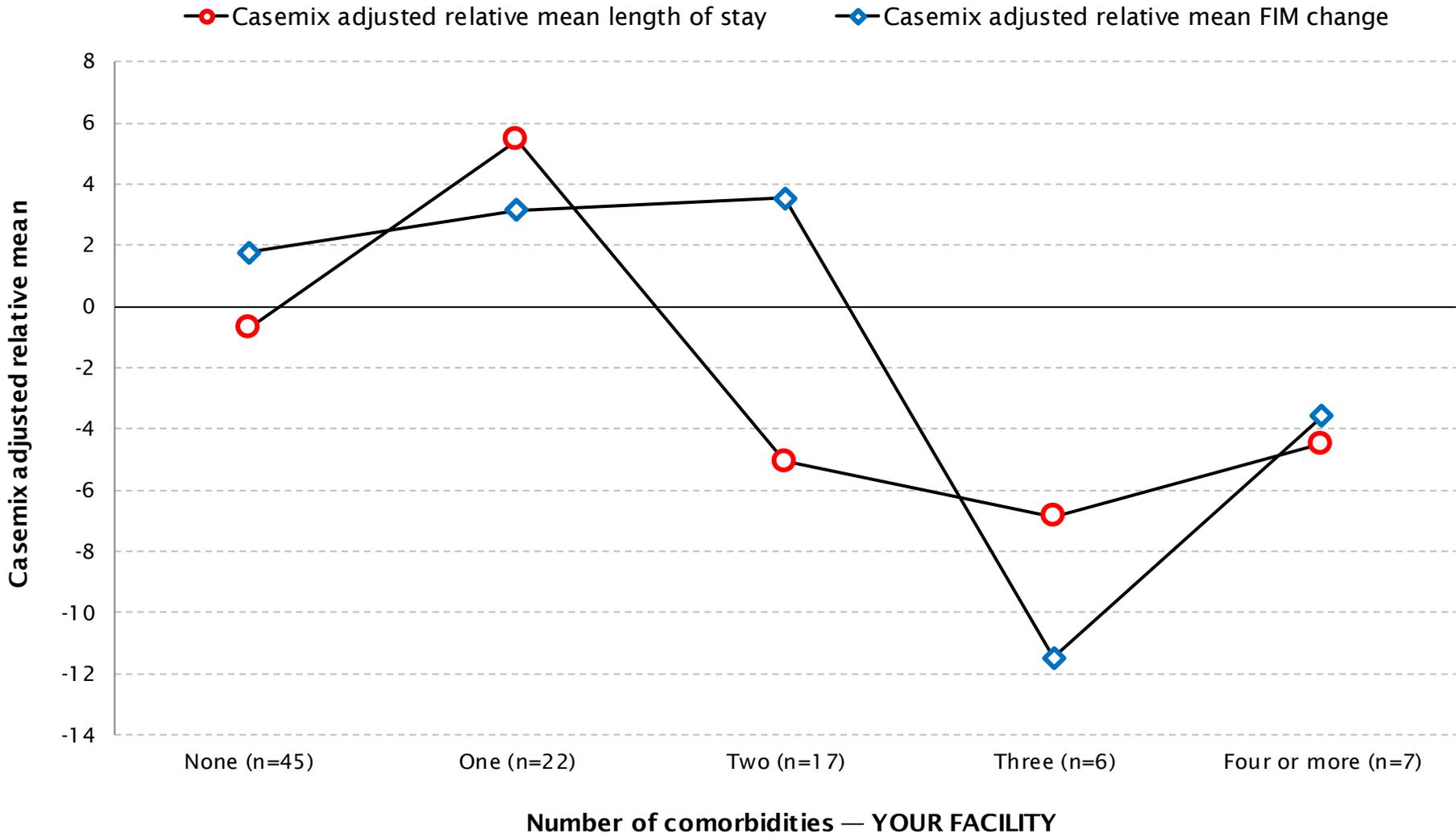
| Age group | YOUR FACILITY |              |                  |                | AUSTRALIA |               |                  |               |
|-----------|---------------|--------------|------------------|----------------|-----------|---------------|------------------|---------------|
|           | CARMI LOS     | (95% CI)     | CARMI FIM change | (95% CI)       | CARMI LOS | (95% CI)      | CARMI FIM change | (95% CI)      |
| <60       | -0.3          | (-9.6 - 8.9) | 4.5              | (-0.9 - 9.9)   | 4.2       | (2.4 - 5.9)   | 1.2              | (0.3 - 2.1)   |
| 60-69     | -3.4          | (-8.8 - 2.1) | -3.1             | (-10.5 - 4.3)  | 0.9       | (-0.2 - 2.0)  | 0.4              | (-0.4 - 1.3)  |
| 70-79     | 1.1           | (-3.4 - 5.6) | 6.5              | (0.1 - 12.8)   | 1.6       | (1.0 - 2.2)   | 2.1              | (1.5 - 2.7)   |
| 80-84     | -1.4          | (-8.1 - 5.3) | 0.4              | (-12.0 - 12.8) | 1.6       | (0.5 - 2.7)   | -0.6             | (-1.4 - 0.2)  |
| 85+       | -0.7          | (-5.1 - 3.8) | -3.5             | (-9.6 - 2.6)   | -1.2      | (-1.8 - -0.6) | -2.4             | (-3.1 - -1.7) |

\*Approximately 20% national population per age group

NOTE: Includes only completed episodes with valid FIM scores and LOS and age, where n<5 scores will not be shown.

## Explanatory data

# Casemix-adjusted relative mean length of stay and FIM change by number of comorbidities

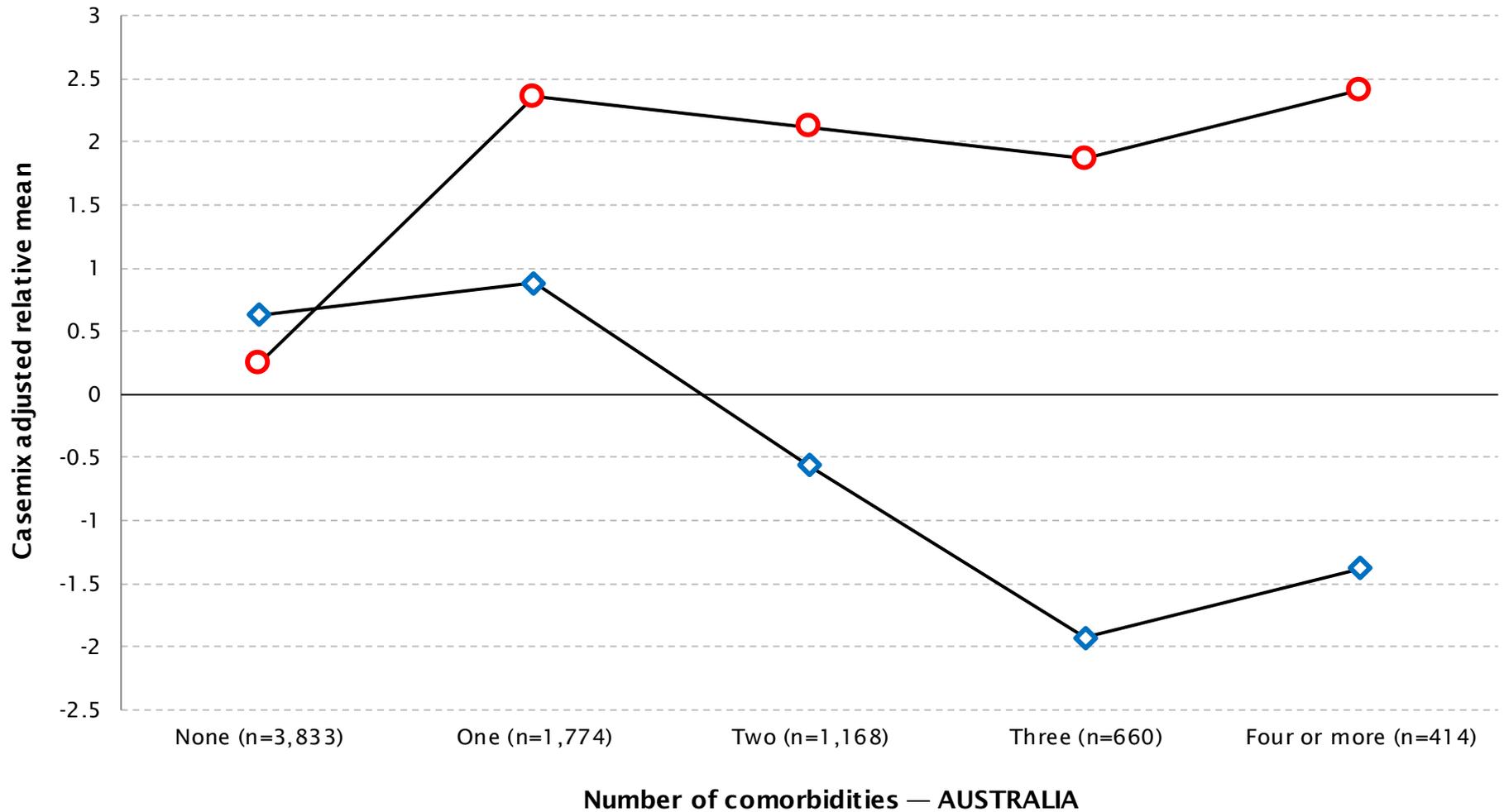


NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will not be shown

# Casemix-adjusted relative mean length of stay and FIM change by number of comorbidities

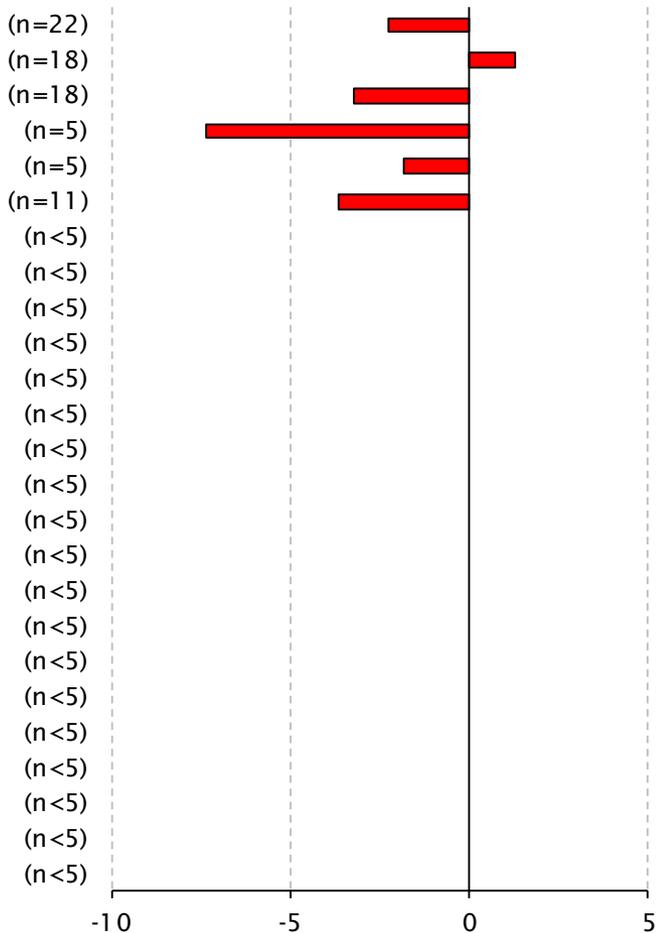


—○— Casemix adjusted relative mean length of stay    —◇— Casemix adjusted relative mean FIM change

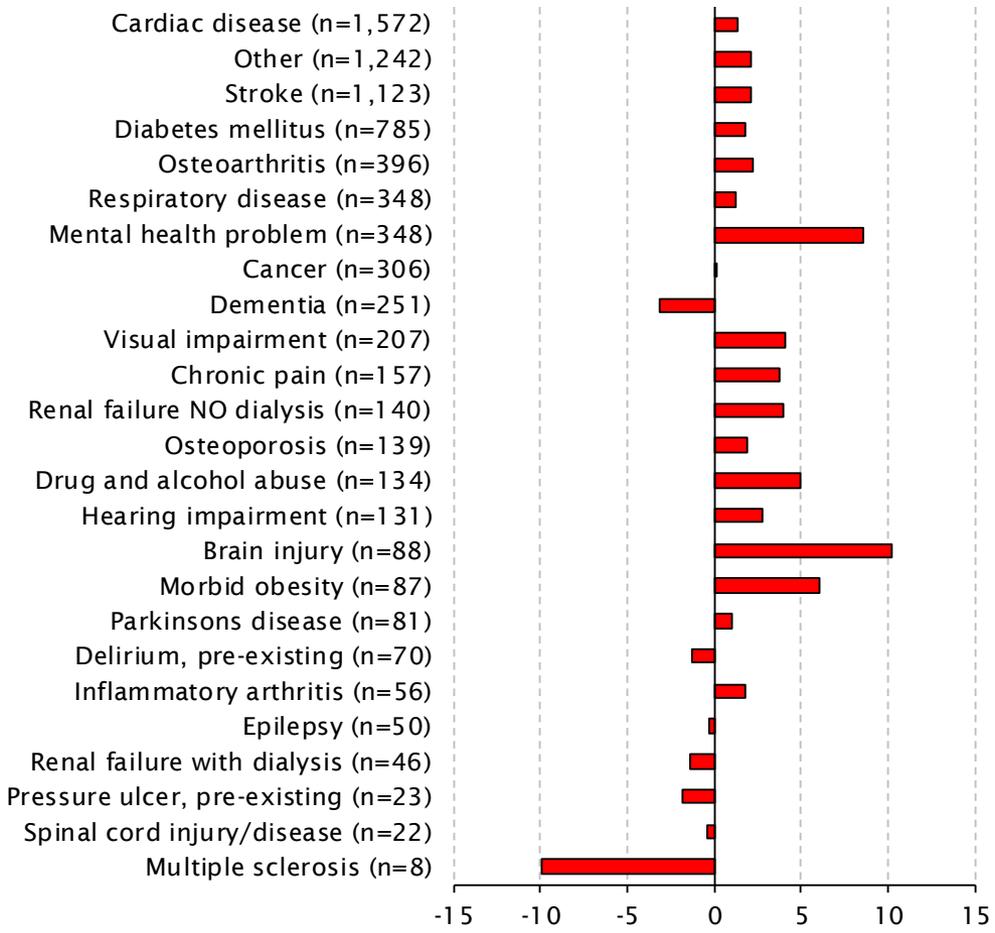


NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will not be shown

# Casemix-adjusted relative mean length of stay by type of comorbidity



CARMi LOS — YOUR FACILITY

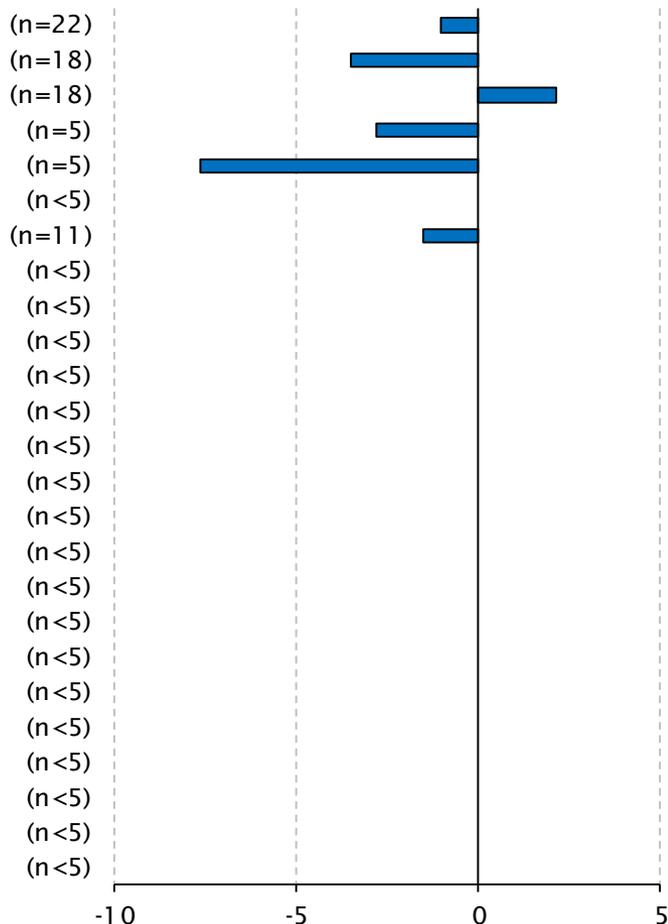


CARMi LOS — AUSTRALIA

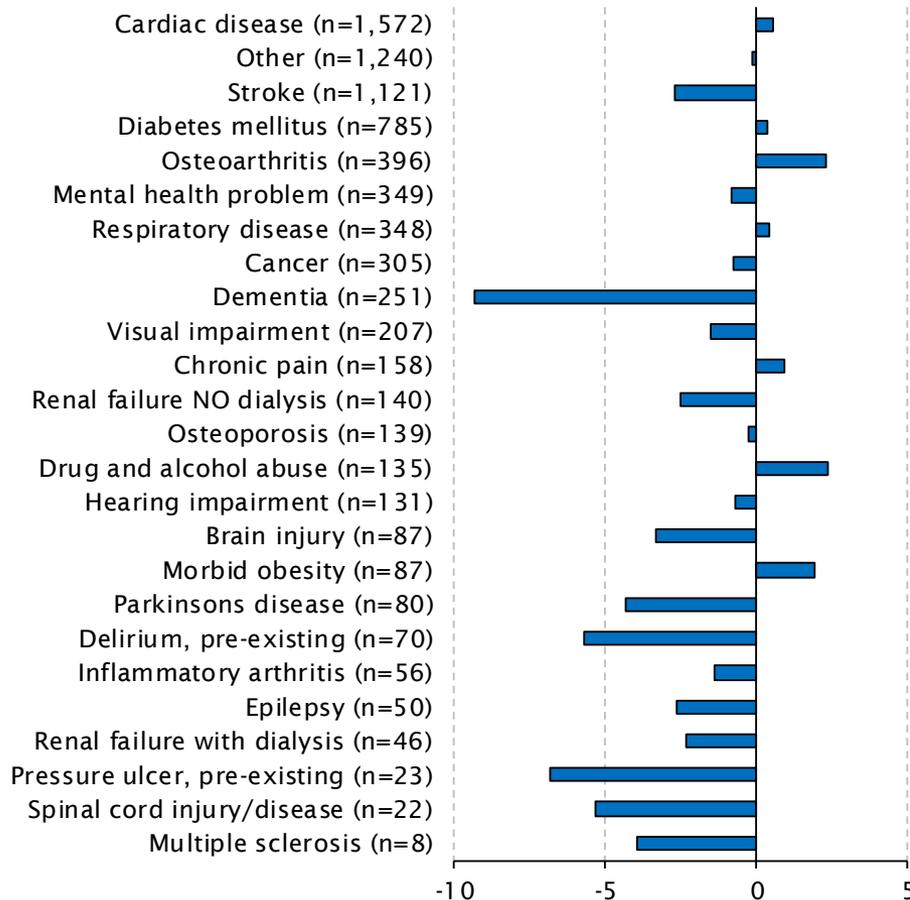
\* No data included where number of episodes <5

NOTE: Includes only completed episodes with valid LOS

# Casemix-adjusted relative mean FIM change by type of comorbidity



CARMi FIM change — YOUR FACILITY

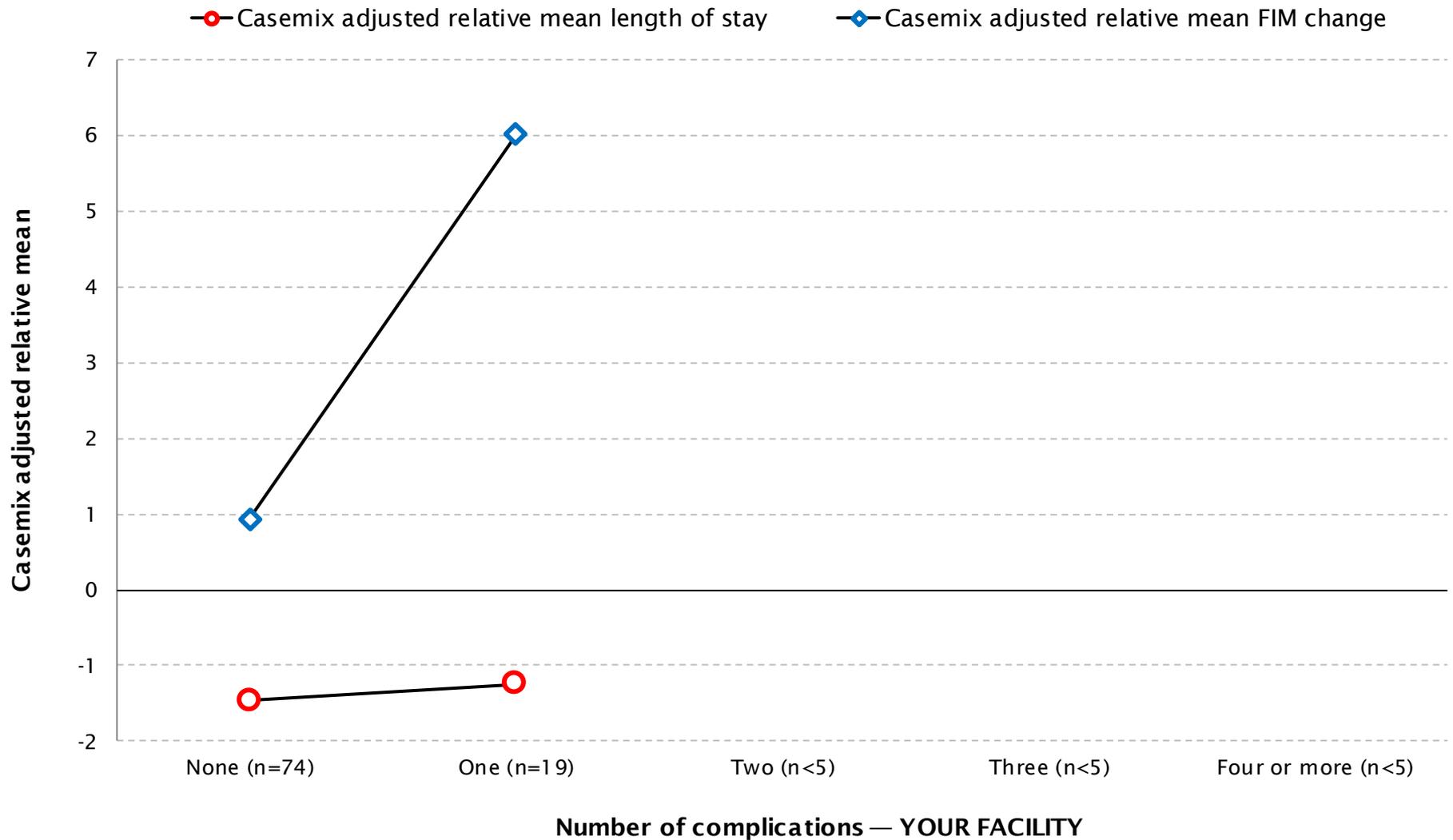


CARMi FIM change — AUSTRALIA

\* No data included where number of episodes <5

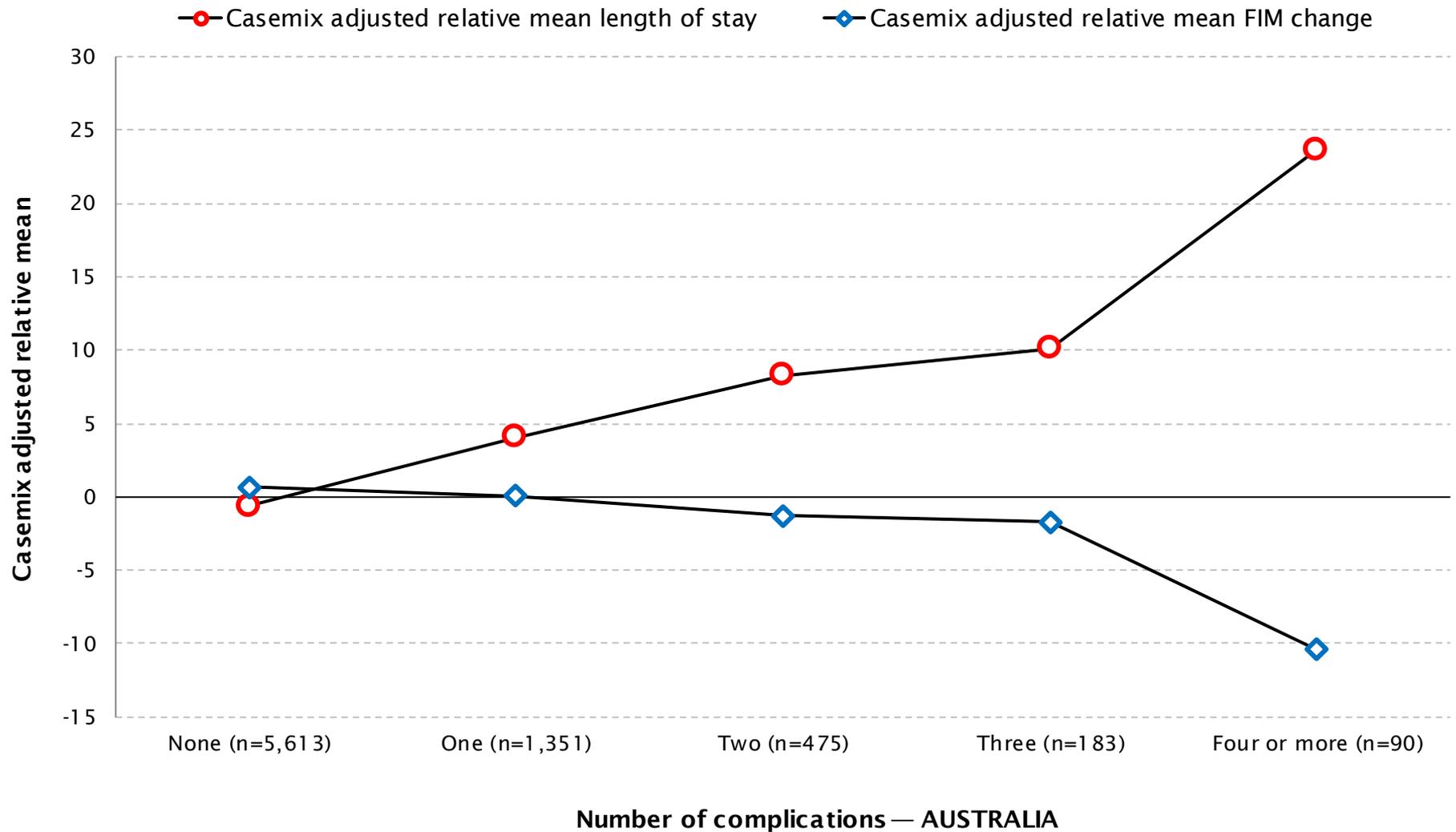
NOTE: Includes only completed episodes with valid FIM scores

# Casemix-adjusted relative mean length of stay and FIM change by number of complications



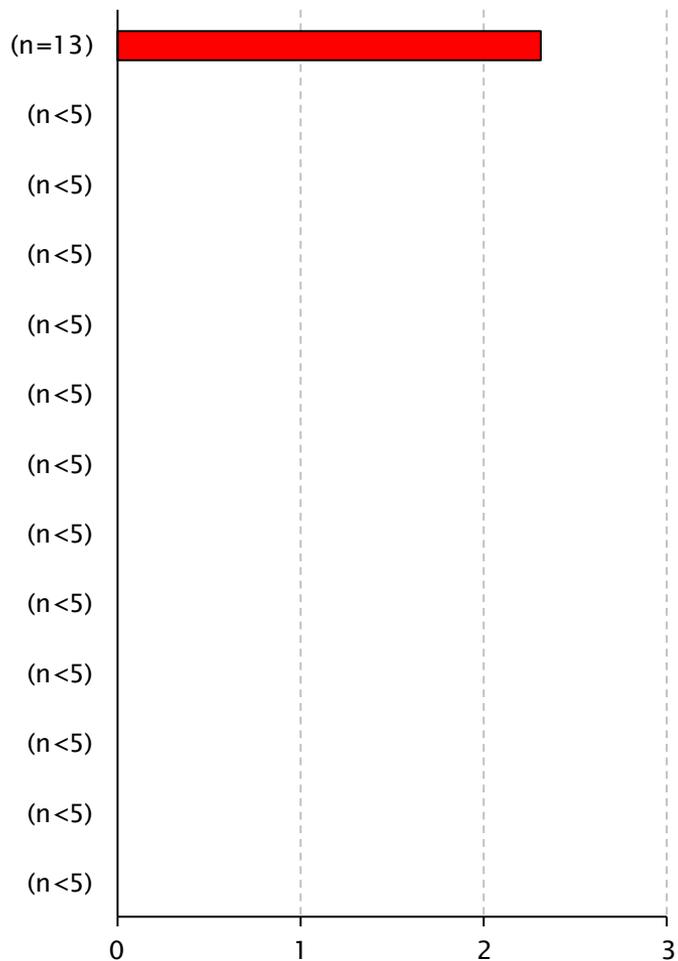
NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will not be shown

# Casemix-adjusted relative mean length of stay and FIM change by number of complications

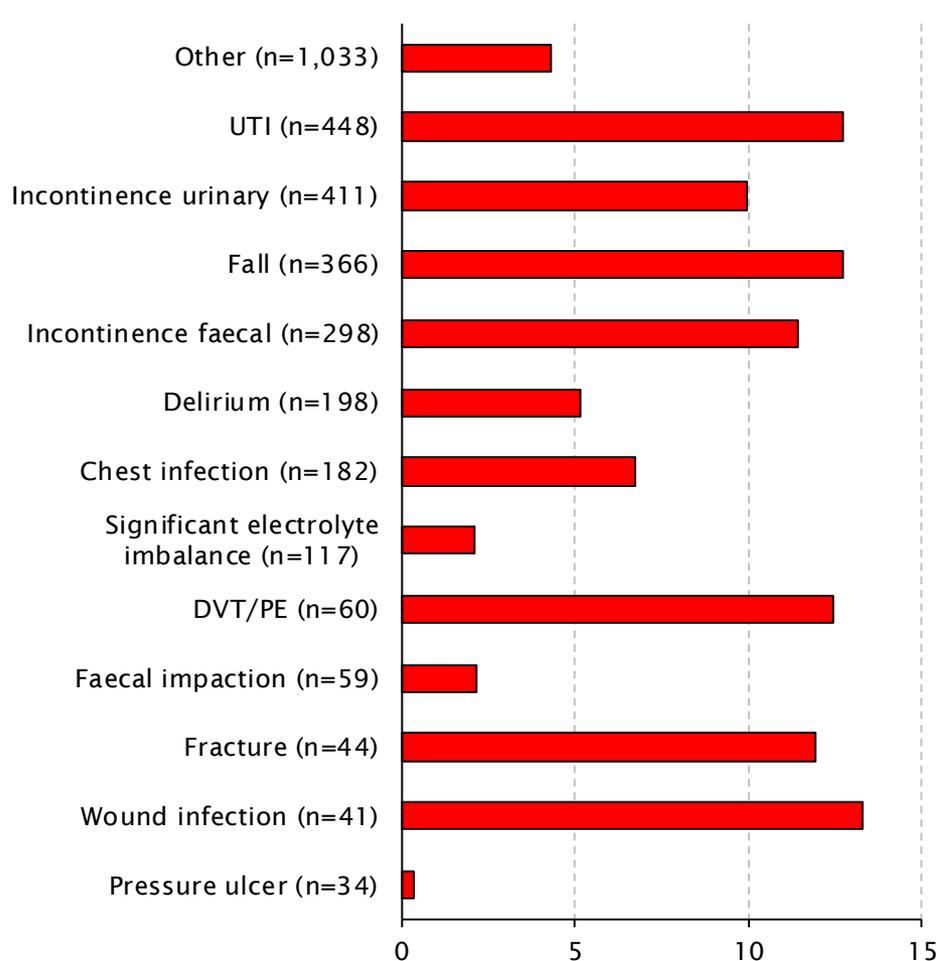


NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will not be shown

# Casemix-adjusted relative mean length of stay by type of complication



**CARMi LOS — YOUR FACILITY**

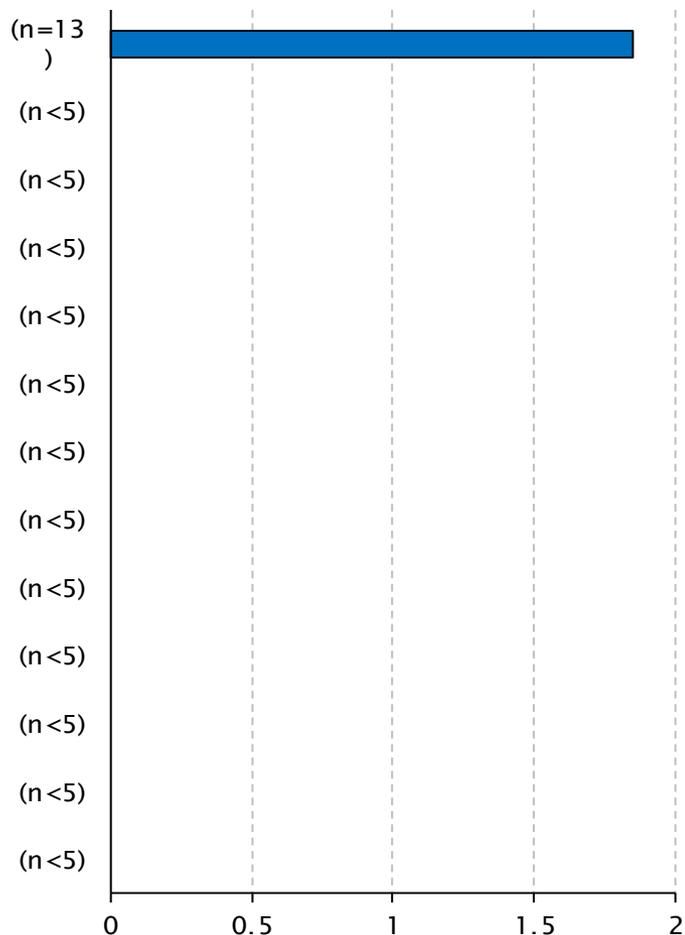


**CARMi LOS — AUSTRALIA**

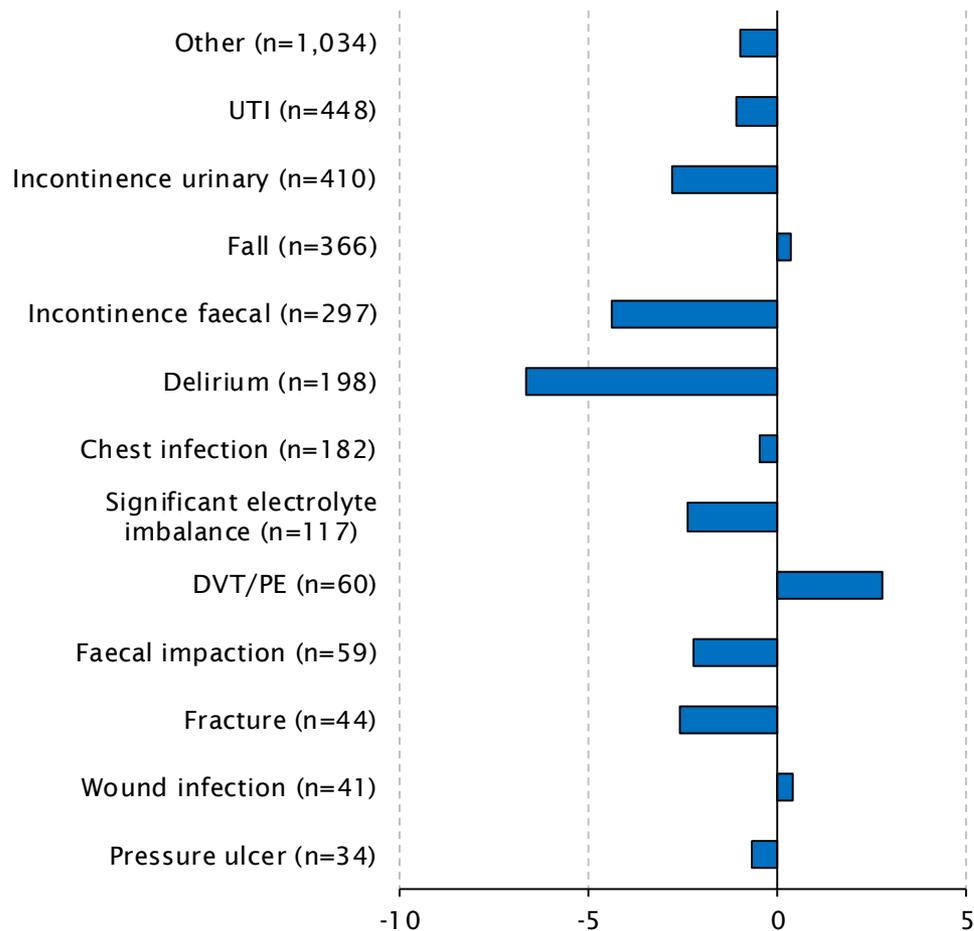
\* No data included where number of episodes <5

NOTE: Includes only completed episodes with valid LOS

# Casemix-adjusted relative mean FIM change by type of complication



CARMi FIM change — YOUR FACILITY

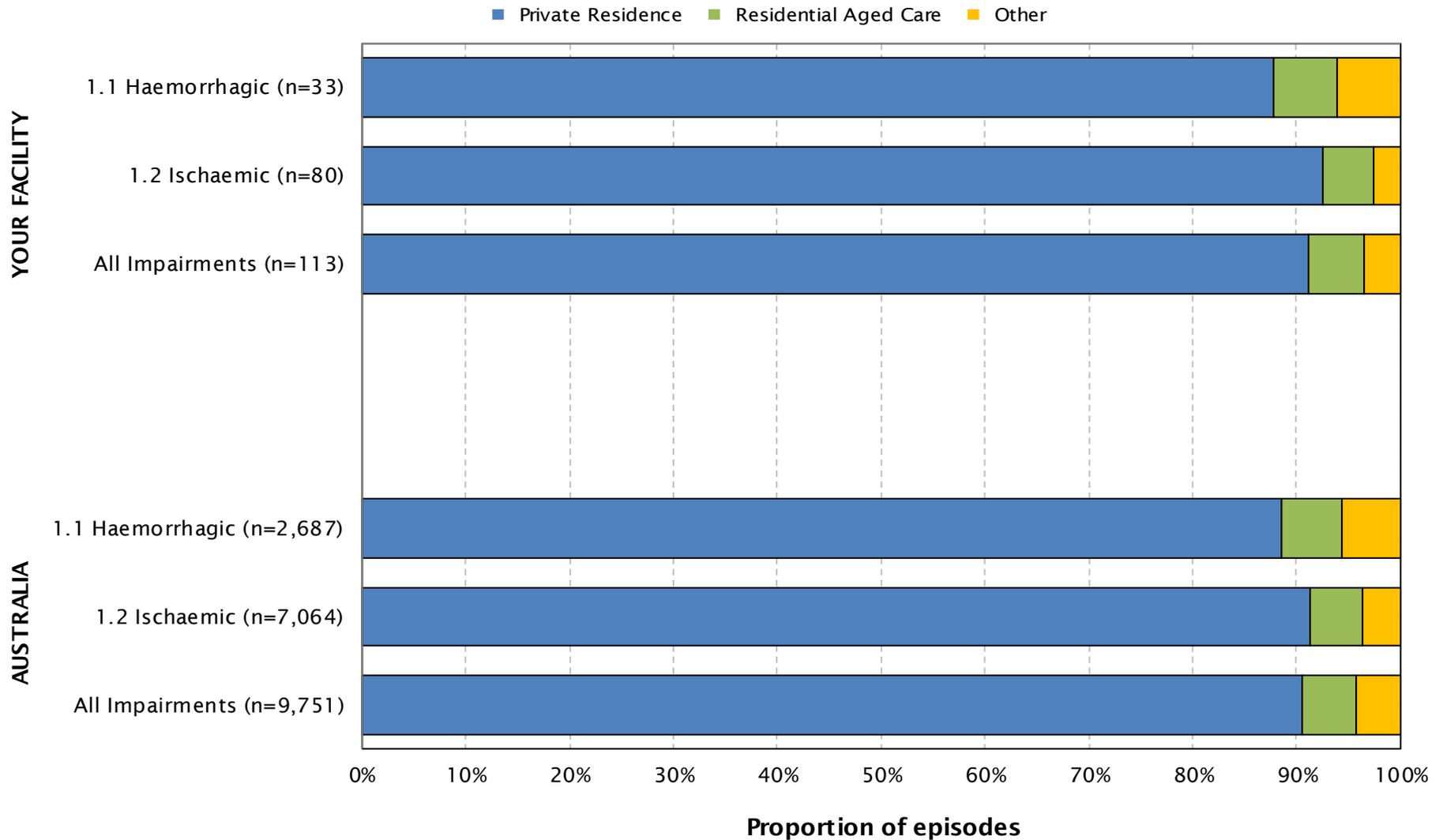


CARMi FIM change — AUSTRALIA

\* No data included where number of episodes <5

NOTE: Includes only completed episodes with valid FIM scores

# Type of accommodation prior to impairment



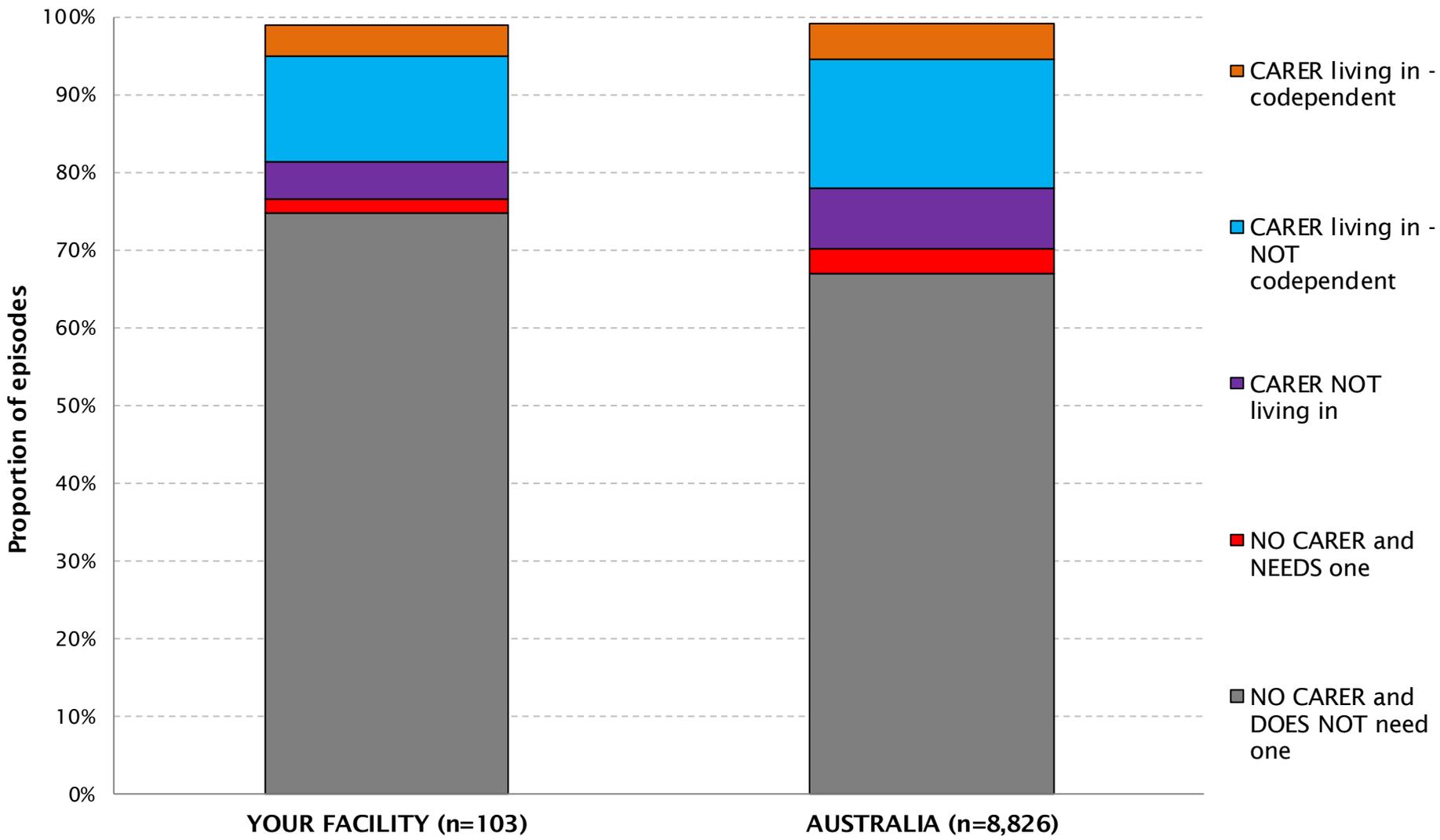
# Type of accommodation prior to impairment



| Impairment        | YOUR FACILITY — N (%) |                       |                |          |                    |
|-------------------|-----------------------|-----------------------|----------------|----------|--------------------|
|                   | Private residence     | Residential Aged Care | Other          | Unknown  | All episodes       |
| 1.1 Haemorrhagic  | 29 (85.3)             | 2 (5.9)               | 2 (5.9)        | 1        | 34 (100.0)         |
| 1.2 Ischaemic     | 74 (91.4)             | 4 (4.9)               | 2 (2.5)        | 1        | 81 (100.0)         |
| <b>All Stroke</b> | <b>103 (89.6)</b>     | <b>6 (5.2)</b>        | <b>4 (3.5)</b> | <b>2</b> | <b>115 (100.0)</b> |

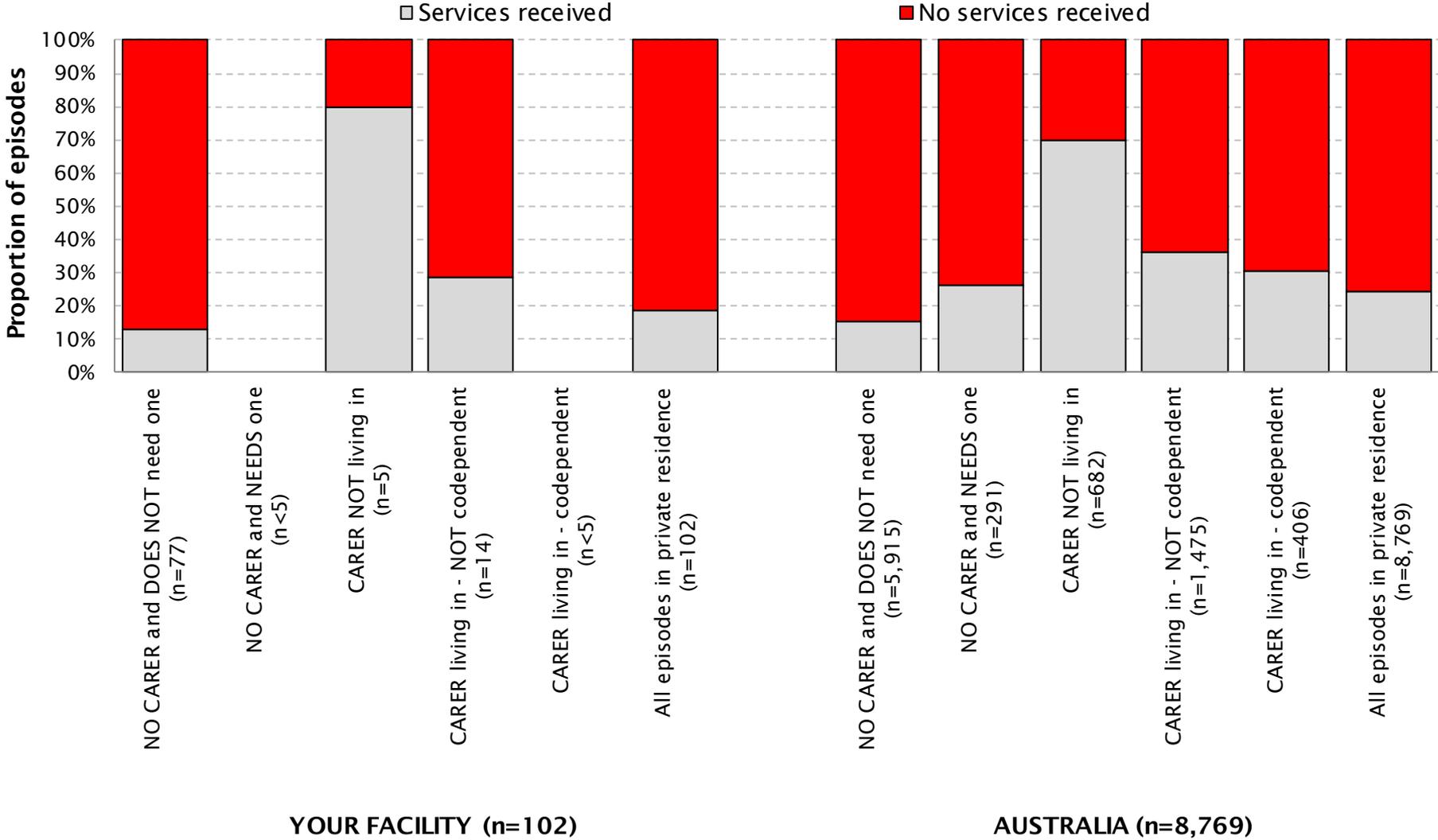
| Impairment        | AUSTRALIA — N (%)   |                       |                  |            |                      |
|-------------------|---------------------|-----------------------|------------------|------------|----------------------|
|                   | Private residence   | Residential Aged Care | Other            | Unknown    | All episodes         |
| 1.1 Haemorrhagic  | 2,379 (87.7)        | 157 (5.8)             | 151 (5.6)        | 27         | 2,714 (100.0)        |
| 1.2 Ischaemic     | 6,447 (90.1)        | 358 (5.0)             | 259 (3.6)        | 92         | 7,156 (100.0)        |
| <b>All Stroke</b> | <b>8,826 (89.4)</b> | <b>515 (5.2)</b>      | <b>410 (4.2)</b> | <b>119</b> | <b>9,870 (100.0)</b> |

# Carer status prior to impairment



NOTE: Includes only those episodes coming from private residence

# Any services received prior to impairment by carer status



NOTE: Includes only those episodes coming from private residence and with known carer status and known services status

# Carer status and any services received prior to impairment

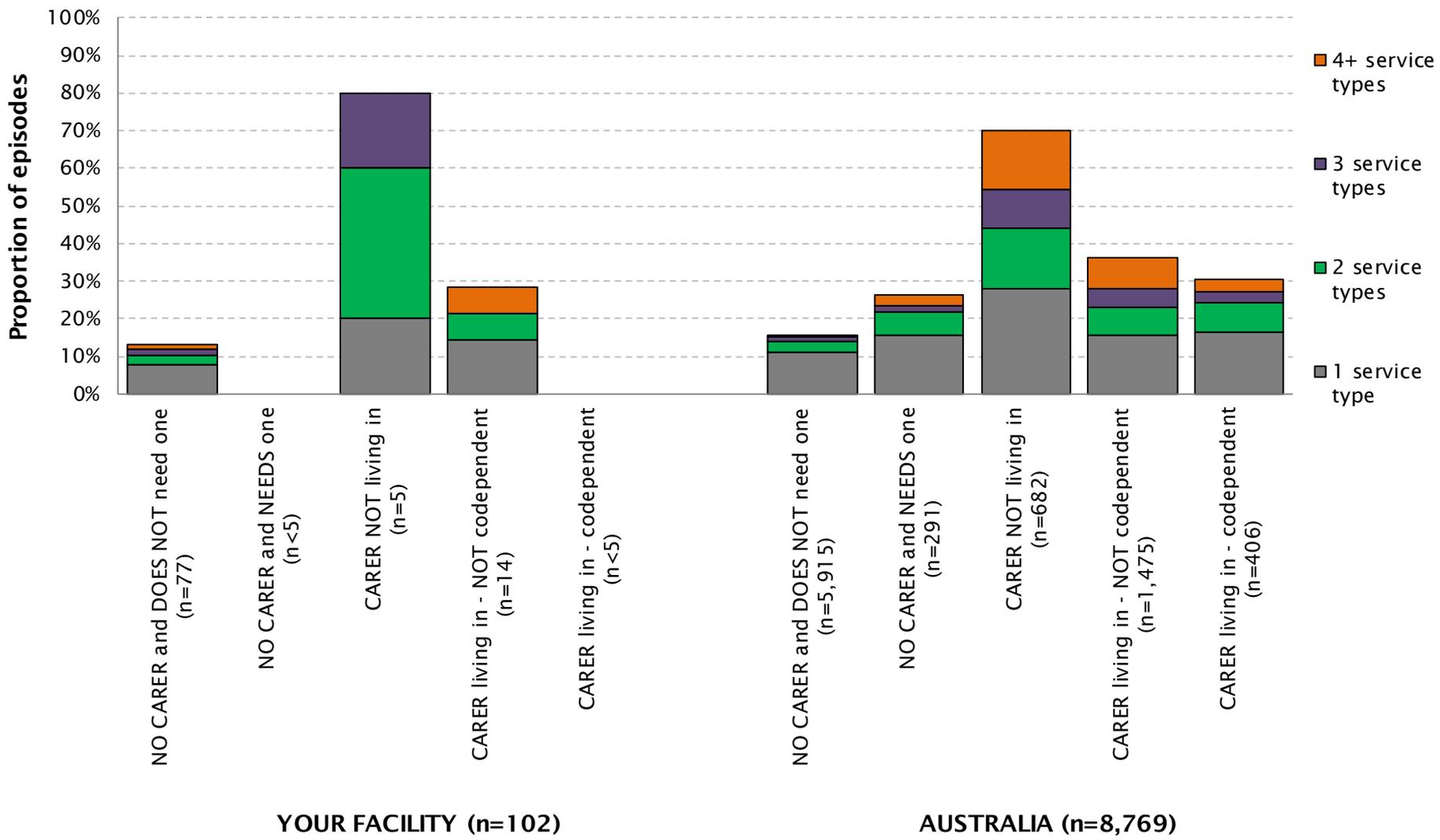


| Carer status prior to this impairment    | YOUR FACILITY |              | AUSTRALIA    |              |
|--|---------------|--------------|--------------|--------------|
|  | No.           | %            | No.          | %            |
| NO CARER and DOES NOT need one           | 77            | 75.5         | 5,915        | 67.5         |
| NO CARER and NEEDS one                   | 2             | 2.0          | 291          | 3.3          |
| CARER NOT living in                      | 5             | 4.9          | 682          | 7.8          |
| CARER living in - NOT codependent        | 14            | 13.7         | 1,475        | 16.8         |
| CARER living in - codependent            | 4             | 3.9          | 406          | 4.6          |
| Missing                                  | 1             |              | 57           |              |
| <b>All episodes in private residence</b> | <b>103</b>    | <b>100.0</b> | <b>8,826</b> | <b>100.0</b> |

| Any services received prior to this impairment? |               |             |             |             |
|---|---------------|-------------|-------------|-------------|
| Carer status prior to this impairment           | YOUR FACILITY |             | AUSTRALIA   |             |
|   | Yes (%)       | No (%)      | Yes (%)     | No (%)      |
| NO CARER and DOES NOT need one                  | 13.0          | 87.0        | 15.4        | 84.6        |
| NO CARER and NEEDS one                          | —             | —           | 26.5        | 73.5        |
| CARER NOT living in                             | 80.0          | 20.0        | 70.1        | 29.9        |
| CARER living in - NOT codependent               | 28.6          | 71.4        | 36.2        | 63.8        |
| CARER living in - codependent                   | —             | —           | 30.5        | 69.5        |
| <b>All episodes in private residence</b>        | <b>18.6</b>   | <b>81.4</b> | <b>24.2</b> | <b>75.8</b> |

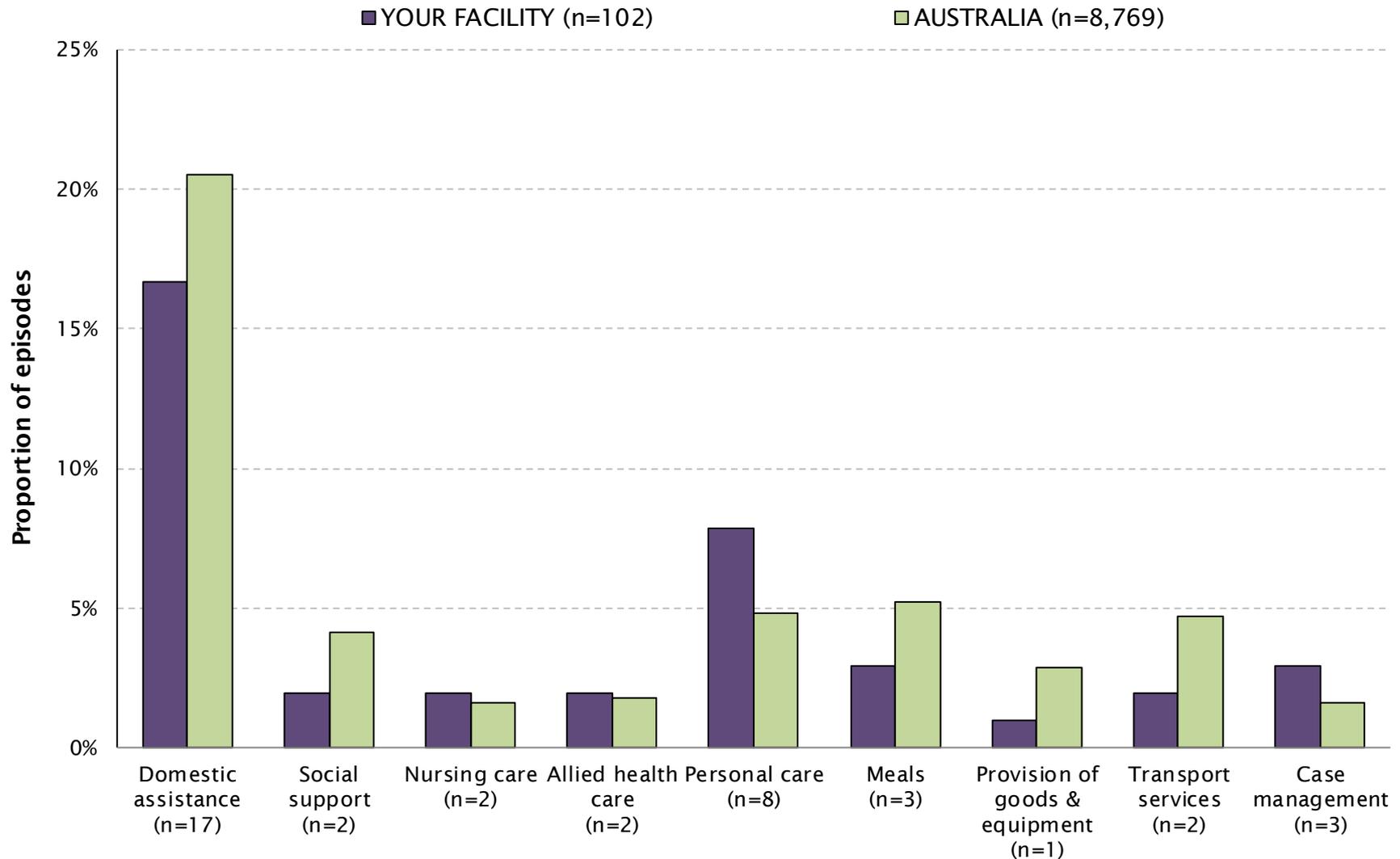
NOTE: Includes only those episodes coming from private residence and with known carer status

# Number of services received prior to impairment by carer status



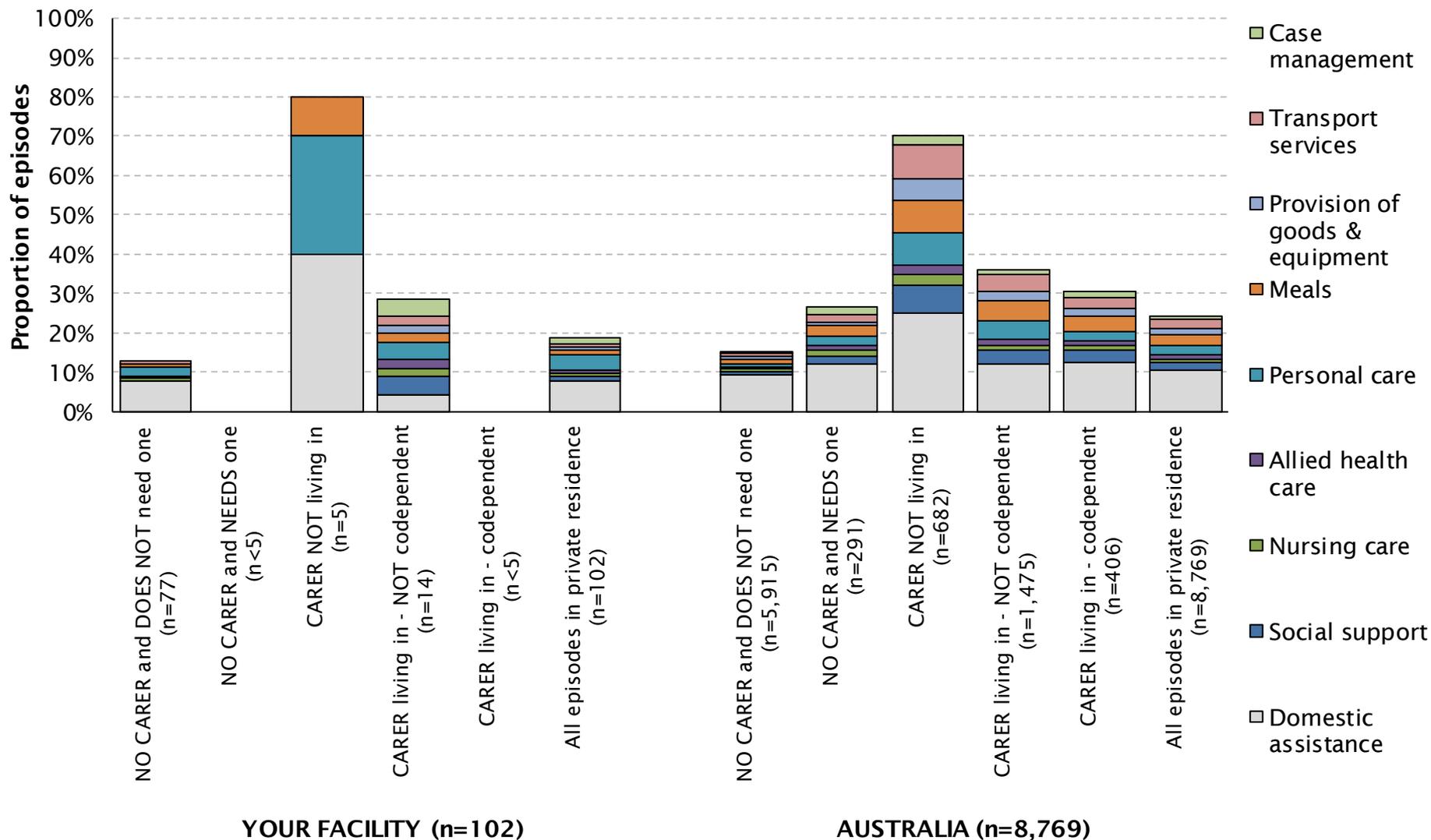
NOTE: Includes only those episodes coming from private residence and with known carer status and known services status

# Type of services received prior to impairment



NOTE: Includes only those episodes coming from private residence and with known carer status and known services status

# Type of services received prior to impairment by carer status



NOTE: Includes only those episodes coming from private residence and with known carer status and known services status

# Number and type of services received prior to impairment by carer status



| Carer status prior to discharge - YOUR FACILITY |                                |                        |                     |                                   |                               |                                   |      |
|---|--------------------------------|------------------------|---------------------|-----------------------------------|-------------------------------|-----------------------------------|------|
| Services received prior to this impairment      | NO CARER and DOES NOT need one | NO CARER and NEEDS one | CARER NOT living in | CARER living in - NOT codependent | CARER living in - codependent | All episodes in private residence |      |
| Number of episodes in private residence         | 77                             | 2                      | 5                   | 14                                | 4                             |                                   | 102  |
| <b>Percent of episodes receiving:</b>           |                                |                        |                     |                                   |                               |                                   |      |
| No services                                     | 87.0                           | 50.0                   | 20.0                | 71.4                              | 100.0                         |                                   | 81.4 |
| 1 service type                                  | 7.8                            | 0.0                    | 20.0                | 14.3                              | 0.0                           |                                   | 8.8  |
| 2 service types                                 | 2.6                            | 50.0                   | 40.0                | 7.1                               | 0.0                           |                                   | 5.9  |
| 3 service types                                 | 1.3                            | 0.0                    | 20.0                | 0.0                               | 0.0                           |                                   | 2.0  |
| 4 or more service types                         | 1.3                            | 0.0                    | 0.0                 | 7.1                               | 0.0                           |                                   | 2.0  |
| <b>Service Type received</b>                    |                                |                        |                     |                                   |                               |                                   |      |
| Domestic assistance                             | 13.0                           | 50.0                   | 80.0                | 14.3                              | 0.0                           |                                   | 16.7 |
| Social support                                  | 0.0                            | 0.0                    | 0.0                 | 14.3                              | 0.0                           |                                   | 2.0  |
| Nursing care                                    | 1.3                            | 0.0                    | 0.0                 | 7.1                               | 0.0                           |                                   | 2.0  |
| Allied health care                              | 1.3                            | 0.0                    | 0.0                 | 7.1                               | 0.0                           |                                   | 2.0  |
| Personal care                                   | 3.9                            | 0.0                    | 60.0                | 14.3                              | 0.0                           |                                   | 7.8  |
| Meals   | 1.3                            | 0.0                    | 20.0                | 7.1                               | 0.0                           |                                   | 2.9  |
| Provision of goods & equipment                  | 0.0                            | 0.0                    | 0.0                 | 7.1                               | 0.0                           |                                   | 1.0  |
| Transport services                              | 1.3                            | 0.0                    | 0.0                 | 7.1                               | 0.0                           |                                   | 2.0  |
| Case management                                 | 0.0                            | 50.0                   | 0.0                 | 14.3                              | 0.0                           |                                   | 2.9  |

NOTE: Includes only those episodes coming from private residence and with known carer status and known services status.

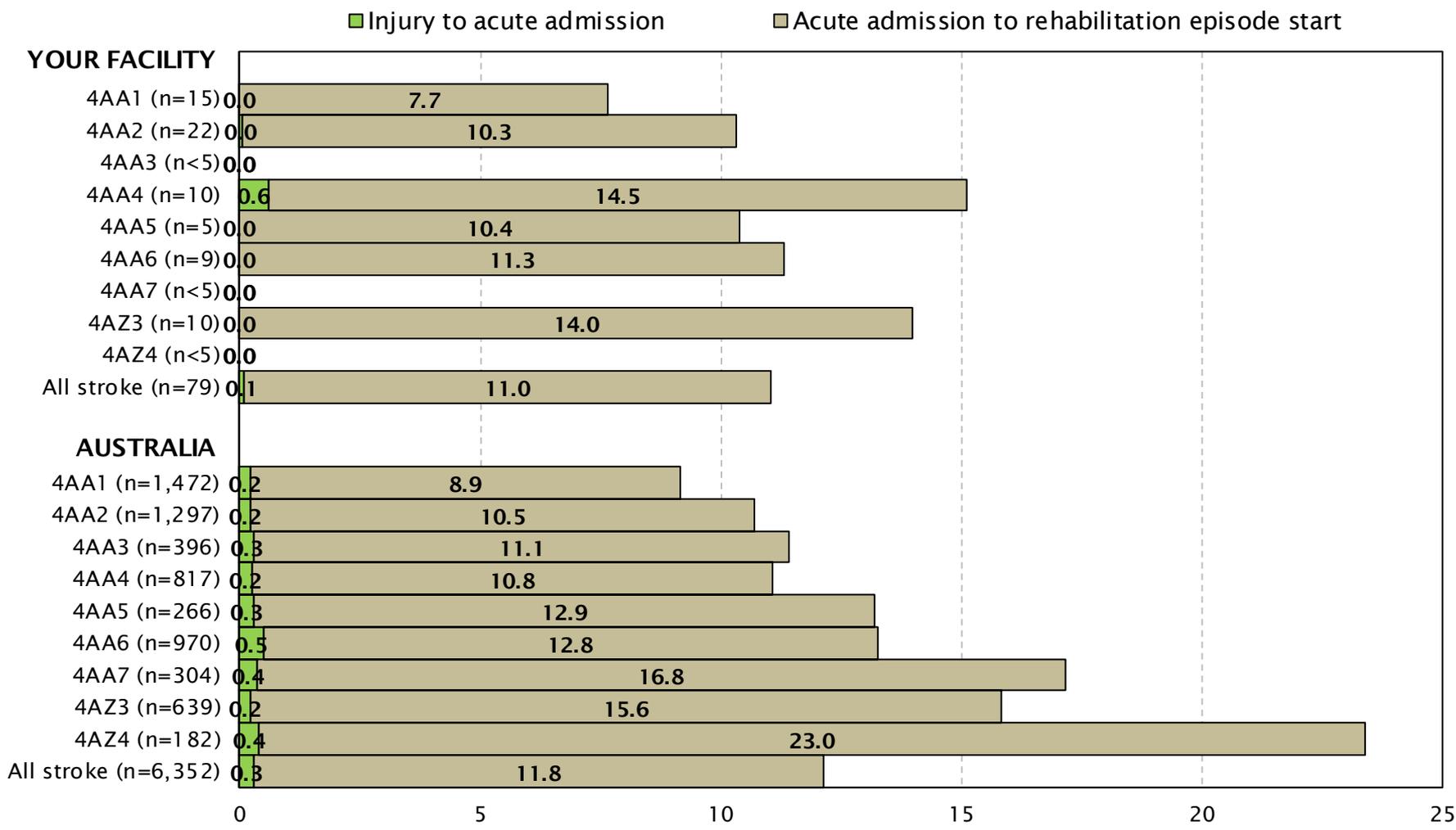
# Number and type of services received prior to impairment by carer status



| Carer status prior to discharge - AUSTRALIA |                                |                        |                     |                                   |                               |                                   |
|---|--------------------------------|------------------------|---------------------|-----------------------------------|-------------------------------|-----------------------------------|
| Services received prior to this impairment  | NO CARER and DOES NOT need one | NO CARER and NEEDS one | CARER NOT living in | CARER living in - NOT codependent | CARER living in - codependent | All episodes in private residence |
| Number of episodes in private residence     | 5,915                          | 291                    | 682                 | 1,475                             | 406                           | 8,769                             |
| <b>Percent of episodes receiving:</b>       |                                |                        |                     |                                   |                               |                                   |
| No services                                 | 84.6                           | 73.5                   | 29.9                | 63.8                              | 69.5                          | 75.8                              |
| 1 service type                              | 11.1                           | 15.5                   | 28.0                | 15.4                              | 16.3                          | 13.5                              |
| 2 service types                             | 2.7                            | 6.2                    | 16.1                | 7.7                               | 7.9                           | 4.9                               |
| 3 service types                             | 1.2                            | 1.7                    | 10.3                | 4.7                               | 3.0                           | 2.6                               |
| 4 or more service types                     | 0.4                            | 3.1                    | 15.7                | 8.3                               | 3.4                           | 3.2                               |
| <b>Service Type received</b>                |                                |                        |                     |                                   |                               |                                   |
| Domestic assistance                         | 13.4                           | 22.0                   | 60.7                | 28.9                              | 23.9                          | 20.5                              |
| Social support                              | 1.3                            | 3.1                    | 17.3                | 8.9                               | 5.9                           | 4.1                               |
| Nursing care                                | 0.7                            | 2.7                    | 6.5                 | 2.4                               | 1.7                           | 1.6                               |
| Allied health care                          | 0.6                            | 2.1                    | 5.7                 | 4.5                               | 2.2                           | 1.8                               |
| Personal care                               | 1.4                            | 4.8                    | 21.0                | 11.3                              | 4.7                           | 4.8                               |
| Meals                                       | 1.8                            | 4.8                    | 19.9                | 11.7                              | 7.6                           | 5.2                               |
| Provision of goods & equipment              | 0.7                            | 1.4                    | 13.2                | 6.6                               | 3.9                           | 2.9                               |
| Transport services                          | 1.6                            | 3.1                    | 20.7                | 10.0                              | 5.2                           | 4.7                               |
| Case management                             | 0.5                            | 3.4                    | 5.7                 | 3.3                               | 2.7                           | 1.6                               |

NOTE: Includes only those episodes coming from private residence and with known carer status and known services status.

# Days from injury to episode start with an acute admission by AN-SNAP class



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

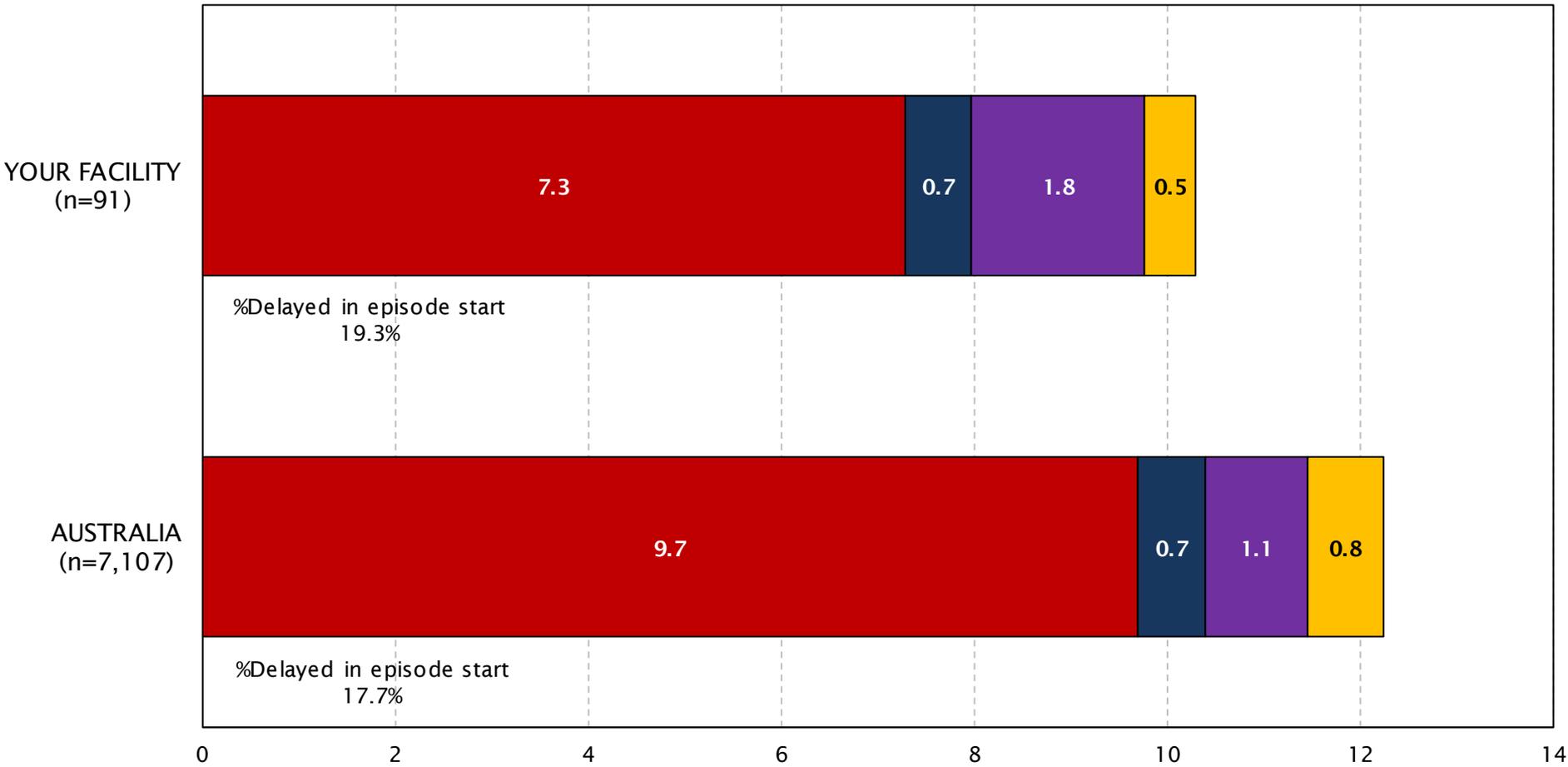
Average number of days between dates

NOTE: Includes first admissions where all dates have been entered

# Days from referral to rehabilitation episode start



■ Injury to Referral  
 ■ Referral to assessment  
 ■ Assessment to clinically rehab ready  
 ■ Clinically rehab ready to rehab episode start

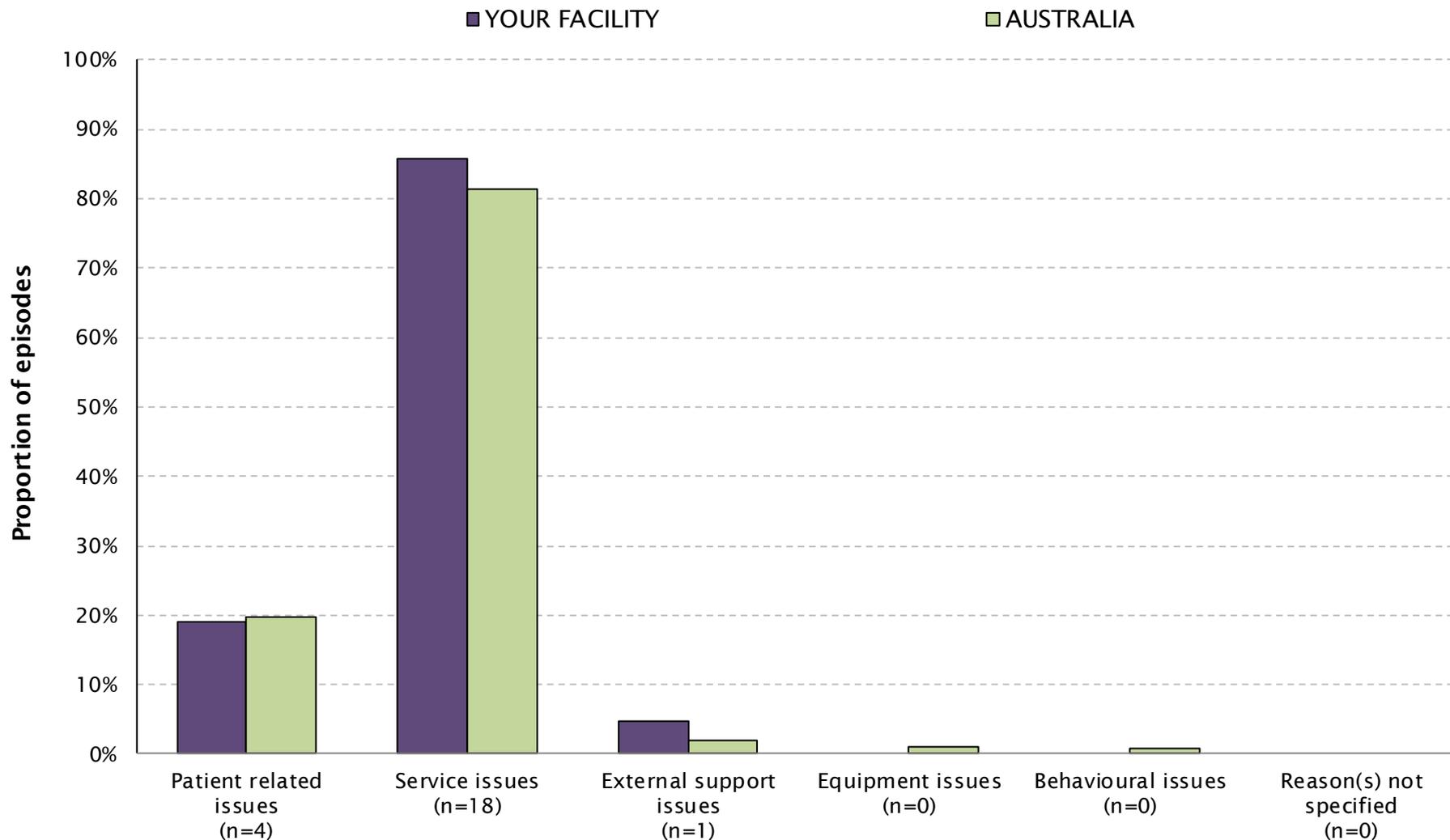


\*No data provided when less than 5 episodes have dates

**Average number of days between dates**

NOTE: Includes first admissions where all dates have been entered

# Type of delay in episode start



# Delays in episode start



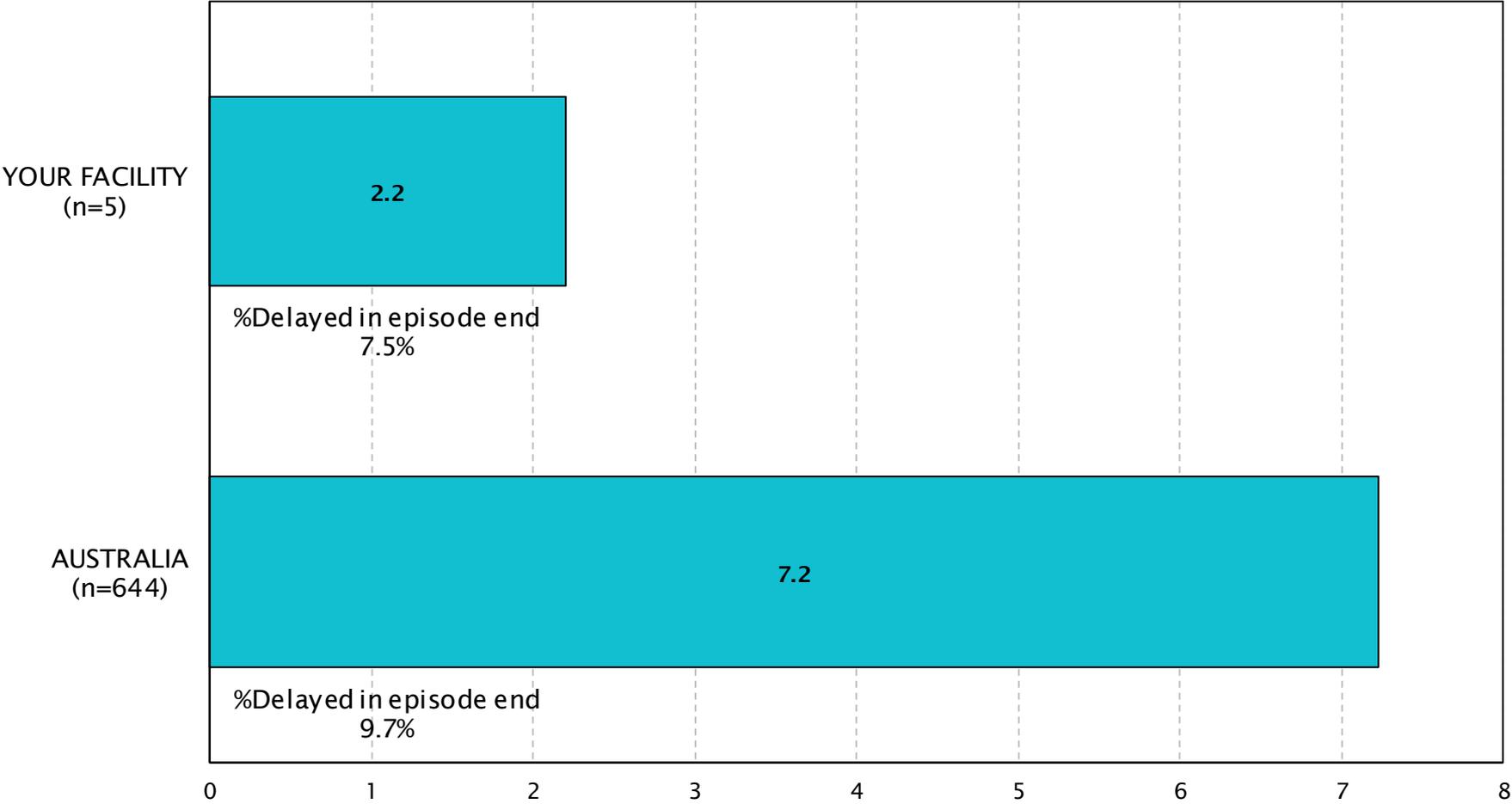
| Delay in episode start | YOUR FACILITY |              | AUSTRALIA    |              |
|------------------------|---------------|--------------|--------------|--------------|
|                        | No.           | %            | No.          | %            |
| No delay               | 88            | 80.7         | 7,697        | 82.3         |
| Delay in episode start | 21            | 19.3         | 1,655        | 17.7         |
| Missing                | 6             |              | 518          |              |
| <b>All episodes</b>    | <b>115</b>    | <b>100.0</b> | <b>9,870</b> | <b>100.0</b> |

| Reasons for delay in episode start | YOUR FACILITY |      | AUSTRALIA |      |
|------------------------------------|---------------|------|-----------|------|
|                                    | No.           | %    | No.       | %    |
| Patient related issues             | 4             | 19.0 | 327       | 19.8 |
| Service issues                     | 18            | 85.7 | 1,346     | 81.3 |
| External support issues            | 1             | 4.8  | 32        | 1.9  |
| Equipment issues                   | 0             | 0.0  | 15        | 0.9  |
| Behavioural issues                 | 0             | 0.0  | 12        | 0.7  |
| Reason(s) not specified            | 0             | 0.0  | 0         | 0.0  |

# Days from clinically ready to discharge



■ Community to episode end (where a delay was reported)

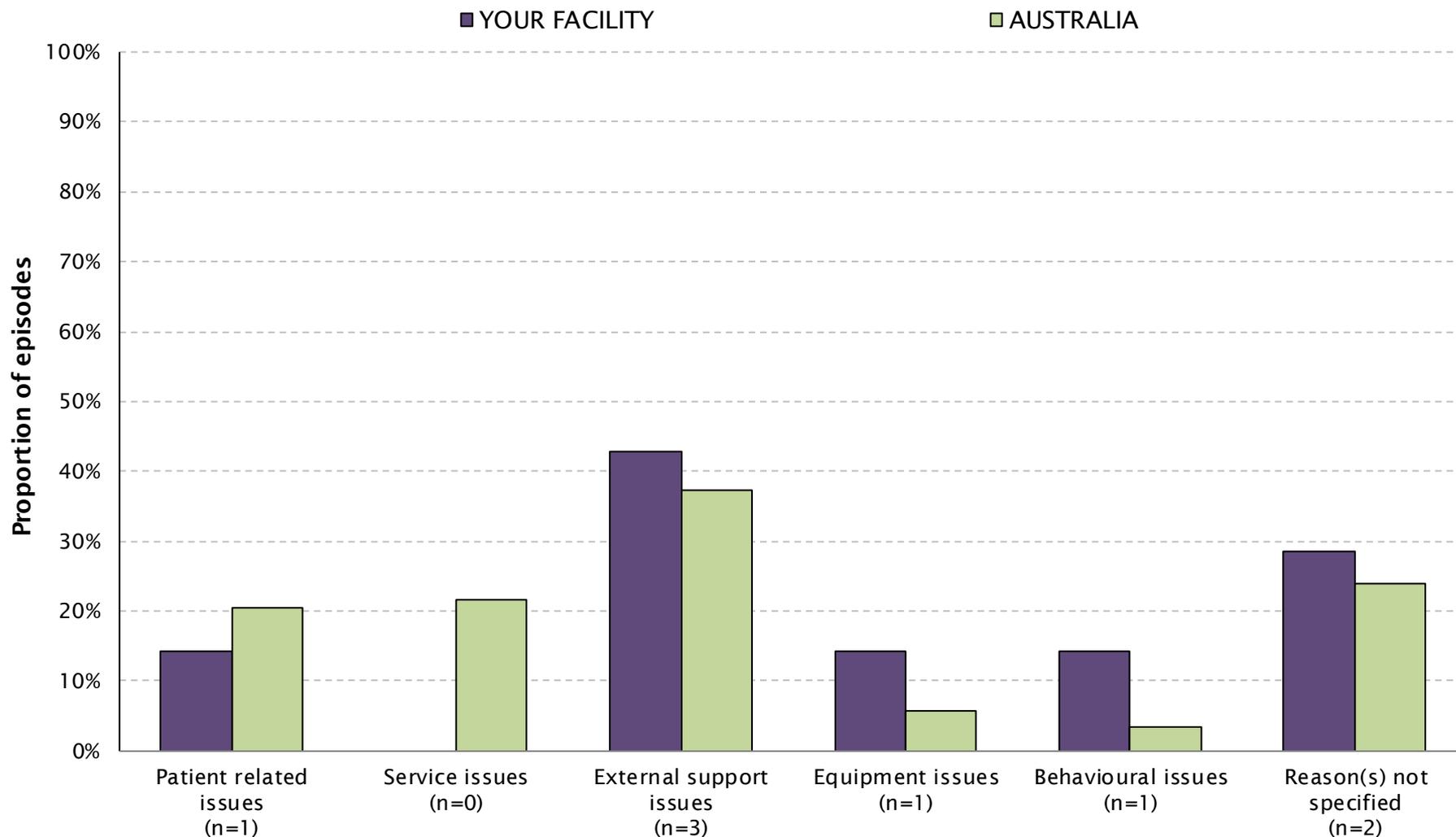


\*No data provided when less than 5 episodes have dates

Average number of days between dates

NOTE: Includes completed episodes with a delay in discharge

# Type of delay in episode end



NOTE: Includes completed episodes only

# Delays in episode end

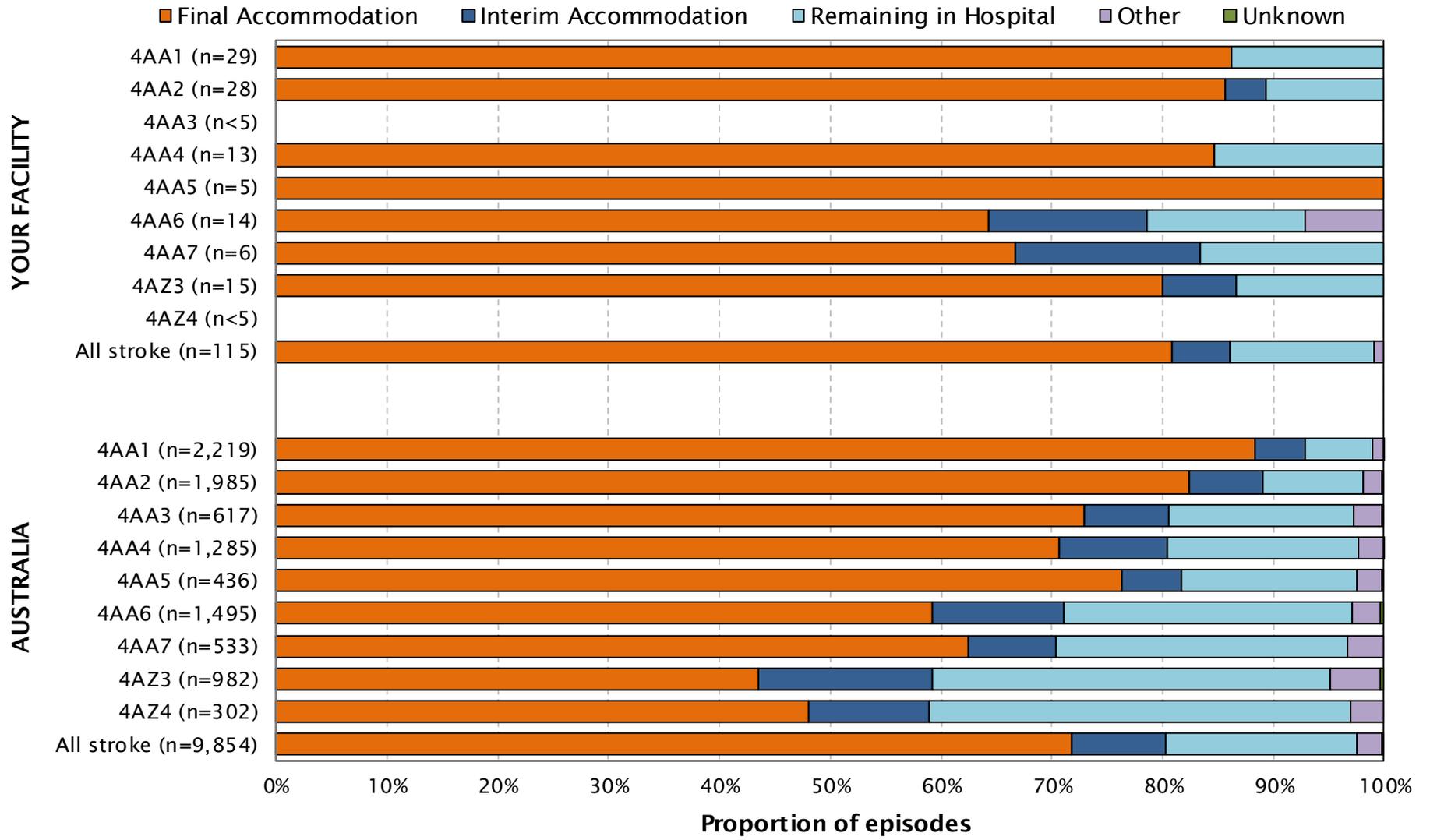


| Delay in episode end | YOUR FACILITY |              | AUSTRALIA    |              |
|----------------------|---------------|--------------|--------------|--------------|
|                      | No.           | %            | No.          | %            |
| No delay             | 86            | 92.5         | 7,032        | 90.3         |
| Delay in episode end | 7             | 7.5          | 752          | 9.7          |
| Missing              | 6             |              | 267          |              |
| <b>All episodes</b>  | <b>99</b>     | <b>100.0</b> | <b>8,051</b> | <b>100.0</b> |

| Reasons for delay in episode end | YOUR FACILITY |      | AUSTRALIA |      |
|----------------------------------|---------------|------|-----------|------|
|                                  | No.           | %    | No.       | %    |
| Patient related issues           | 1             | 14.3 | 154       | 20.5 |
| Service issues                   | 0             | 0.0  | 162       | 21.5 |
| External support issues          | 3             | 42.9 | 281       | 37.4 |
| Equipment issues                 | 1             | 14.3 | 42        | 5.6  |
| Behavioural issues               | 1             | 14.3 | 25        | 3.3  |
| Reason(s) not specified          | 2             | 28.6 | 179       | 23.8 |

NOTE: Includes completed episodes only.

# Discharge destination by AN-SNAP class



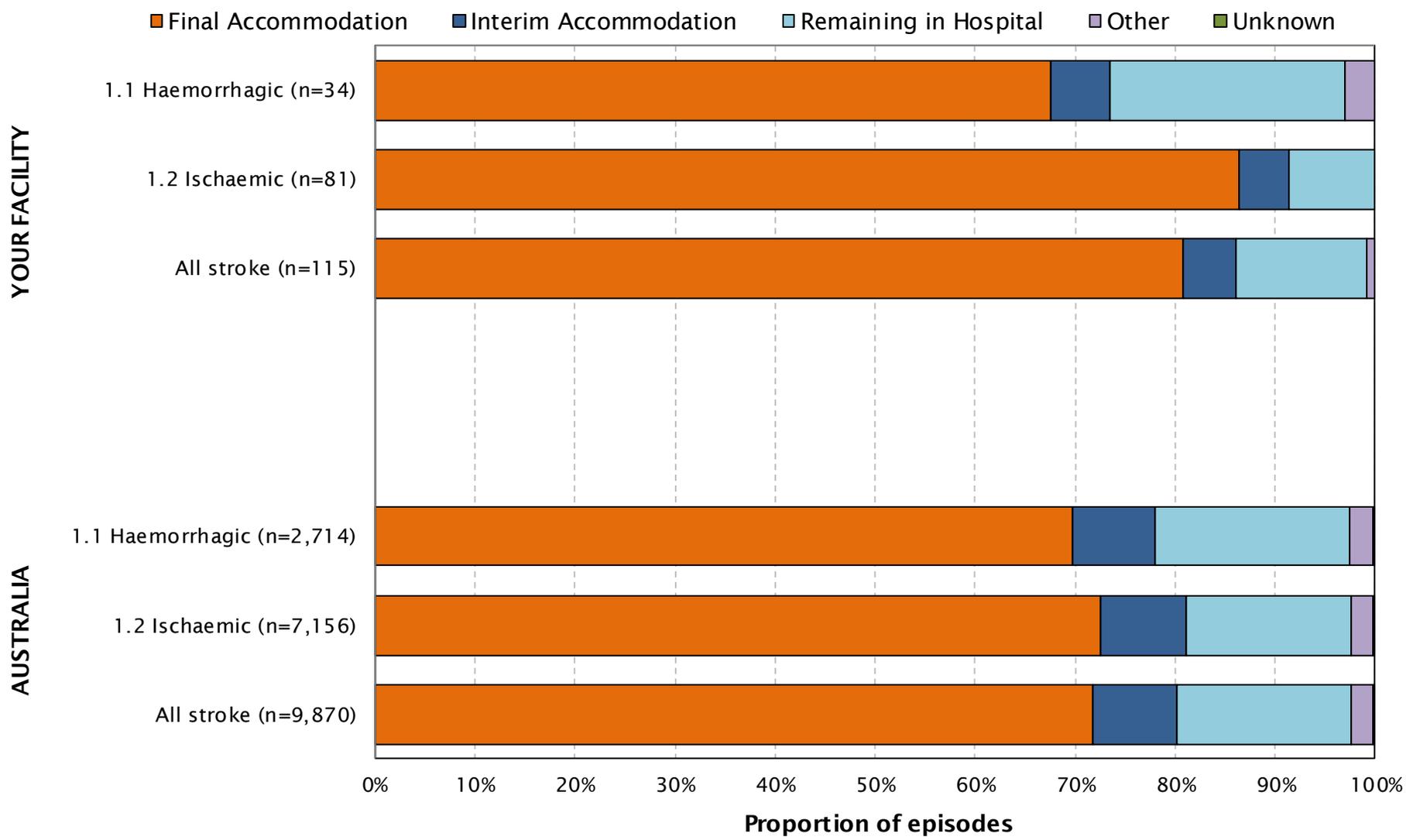
# Discharge destination by AN-SNAP class



| AN-SNAP class V4                    | YOUR FACILITY — N |               |                       |          |          | AUSTRALIA — N |               |                       |            |           |
|-------------------------------------|-------------------|---------------|-----------------------|----------|----------|---------------|---------------|-----------------------|------------|-----------|
|                                     | Final Accom       | Interim Accom | Remaining in Hospital | Other    | Unknown  | Final Accom   | Interim Accom | Remaining in Hospital | Other      | Unknown   |
| 4AA1 (motor 51-91, cognition 29-35) | 25                | 0             | 4                     | 0        | 0        | 1,961         | 100           | 136                   | 20         | 2         |
| 4AA2 (motor 51-91, cognition 19-28) | 24                | 1             | 3                     | 0        | 0        | 1,636         | 131           | 181                   | 33         | 4         |
| 4AA3 (motor 51-91, cognition 5-18)  | 2                 | 0             | 0                     | 0        | 0        | 450           | 47            | 103                   | 16         | 1         |
| 4AA4 (motor 36-50, Age ≥ 68)        | 11                | 0             | 2                     | 0        | 0        | 909           | 124           | 222                   | 29         | 1         |
| 4AA5 (motor 36-50, Age ≤ 67)        | 5                 | 0             | 0                     | 0        | 0        | 333           | 23            | 69                    | 10         | 1         |
| 4AA6 (motor 19-35, Age ≥ 68)        | 9                 | 2             | 2                     | 1        | 0        | 886           | 176           | 389                   | 40         | 4         |
| 4AA7 (motor 19-35, Age ≤ 67)        | 4                 | 1             | 1                     | 0        | 0        | 333           | 42            | 140                   | 18         | 0         |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 12                | 1             | 2                     | 0        | 0        | 427           | 154           | 353                   | 45         | 3         |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 1                 | 1             | 1                     | 0        | 0        | 145           | 33            | 115                   | 9          | 0         |
| <b>All Stroke AN-SNAP Classes</b>   | <b>93</b>         | <b>6</b>      | <b>15</b>             | <b>1</b> | <b>0</b> | <b>7,080</b>  | <b>830</b>    | <b>1,708</b>          | <b>220</b> | <b>16</b> |

| AN-SNAP class V4                    | YOUR FACILITY — % |               |                       |            |            | AUSTRALIA — % |               |                       |            |            |
|-------------------------------------|-------------------|---------------|-----------------------|------------|------------|---------------|---------------|-----------------------|------------|------------|
|                                     | Final Accom       | Interim Accom | Remaining in Hospital | Other      | Unknown    | Final Accom   | Interim Accom | Remaining in Hospital | Other      | Unknown    |
| 4AA1 (motor 51-91, cognition 29-35) | 86.2              | 0.0           | 13.8                  | 0.0        | 0.0        | 88.4          | 4.5           | 6.1                   | 0.9        | 0.1        |
| 4AA2 (motor 51-91, cognition 19-28) | 85.7              | 3.6           | 10.7                  | 0.0        | 0.0        | 82.4          | 6.6           | 9.1                   | 1.7        | 0.2        |
| 4AA3 (motor 51-91, cognition 5-18)  | 100.0             | 0.0           | 0.0                   | 0.0        | 0.0        | 72.9          | 7.6           | 16.7                  | 2.6        | 0.2        |
| 4AA4 (motor 36-50, Age ≥ 68)        | 84.6              | 0.0           | 15.4                  | 0.0        | 0.0        | 70.7          | 9.6           | 17.3                  | 2.3        | 0.1        |
| 4AA5 (motor 36-50, Age ≤ 67)        | 100.0             | 0.0           | 0.0                   | 0.0        | 0.0        | 76.4          | 5.3           | 15.8                  | 2.3        | 0.2        |
| 4AA6 (motor 19-35, Age ≥ 68)        | 64.3              | 14.3          | 14.3                  | 7.1        | 0.0        | 59.3          | 11.8          | 26.0                  | 2.7        | 0.3        |
| 4AA7 (motor 19-35, Age ≤ 67)        | 66.7              | 16.7          | 16.7                  | 0.0        | 0.0        | 62.5          | 7.9           | 26.3                  | 3.4        | 0.0        |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 80.0              | 6.7           | 13.3                  | 0.0        | 0.0        | 43.5          | 15.7          | 35.9                  | 4.6        | 0.3        |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 33.3              | 33.3          | 33.3                  | 0.0        | 0.0        | 48.0          | 10.9          | 38.1                  | 3.0        | 0.0        |
| <b>All Stroke AN-SNAP Classes</b>   | <b>80.9</b>       | <b>5.2</b>    | <b>13.0</b>           | <b>0.9</b> | <b>0.0</b> | <b>71.8</b>   | <b>8.4</b>    | <b>17.3</b>           | <b>2.2</b> | <b>0.2</b> |

# Discharge destination by impairment code



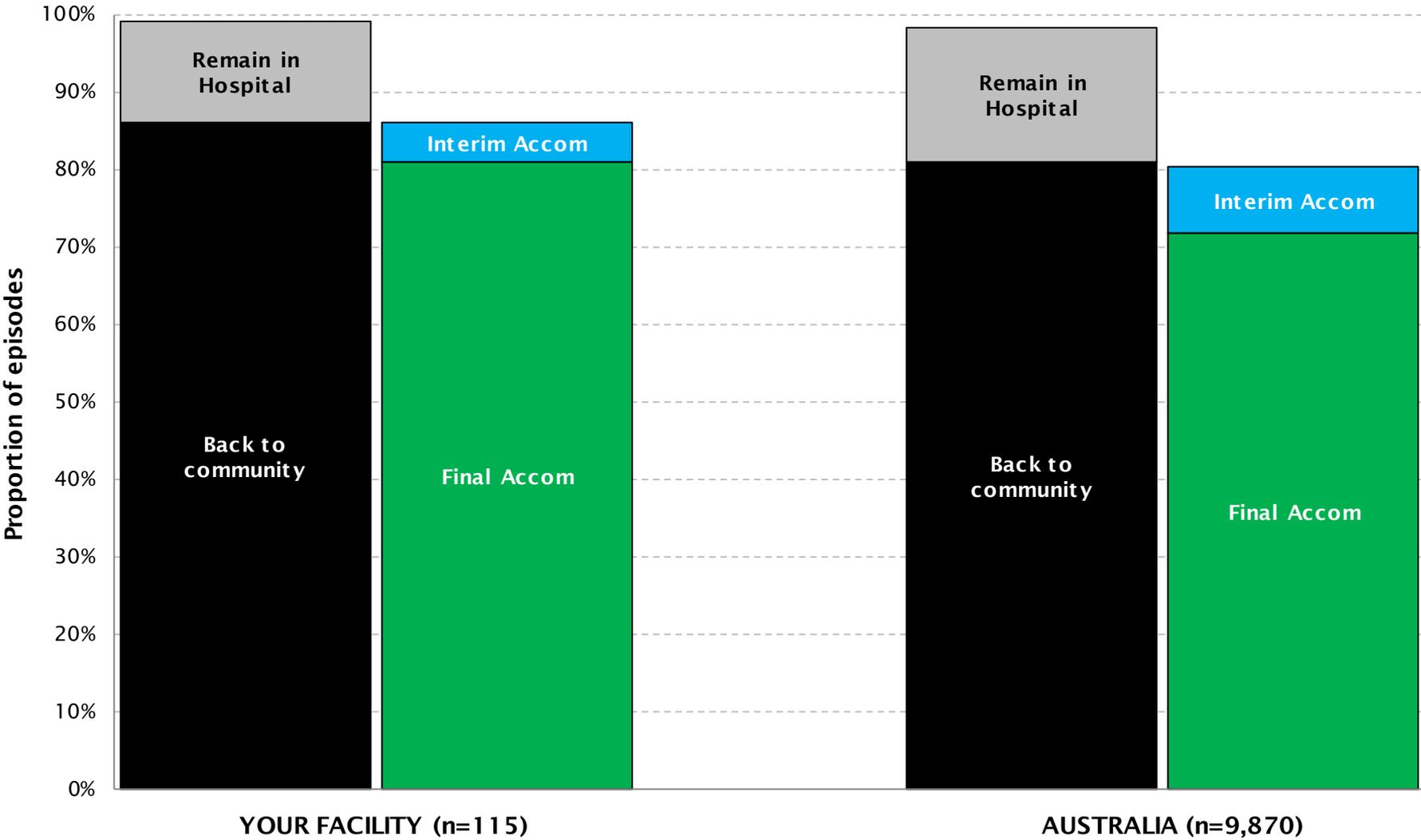
# Discharge destination by impairment



| Impairment        | YOUR FACILITY — N |               |                       |          |          | AUSTRALIA — N |               |                       |            |           |
|-------------------|-------------------|---------------|-----------------------|----------|----------|---------------|---------------|-----------------------|------------|-----------|
|                   | Final Accom       | Interim Accom | Remaining in Hospital | Other    | Unknown  | Final Accom   | Interim Accom | Remaining in Hospital | Other      | Unknown   |
| 1.1 Haemorrhagic  | 23                | 2             | 8                     | 1        | 0        | 1,892         | 227           | 525                   | 66         | 4         |
| 1.2 Ischaemic     | 70                | 4             | 7                     | 0        | 0        | 5,197         | 603           | 1,186                 | 154        | 16        |
| <b>All Stroke</b> | <b>93</b>         | <b>6</b>      | <b>15</b>             | <b>1</b> | <b>0</b> | <b>7,089</b>  | <b>830</b>    | <b>1,711</b>          | <b>220</b> | <b>20</b> |

| Impairment        | YOUR FACILITY — % |               |                       |            |            | AUSTRALIA — % |               |                       |            |            |
|-------------------|-------------------|---------------|-----------------------|------------|------------|---------------|---------------|-----------------------|------------|------------|
|                   | Final Accom       | Interim Accom | Remaining in Hospital | Other      | Unknown    | Final Accom   | Interim Accom | Remaining in Hospital | Other      | Unknown    |
| 1.1 Haemorrhagic  | 67.6              | 5.9           | 23.5                  | 2.9        | 0.0        | 69.7          | 8.4           | 19.3                  | 2.4        | 0.1        |
| 1.2 Ischaemic     | 86.4              | 4.9           | 8.6                   | 0.0        | 0.0        | 72.6          | 8.4           | 16.6                  | 2.2        | 0.2        |
| <b>All Stroke</b> | <b>80.9</b>       | <b>5.2</b>    | <b>13.0</b>           | <b>0.9</b> | <b>0.0</b> | <b>71.8</b>   | <b>8.4</b>    | <b>17.3</b>           | <b>2.2</b> | <b>0.2</b> |

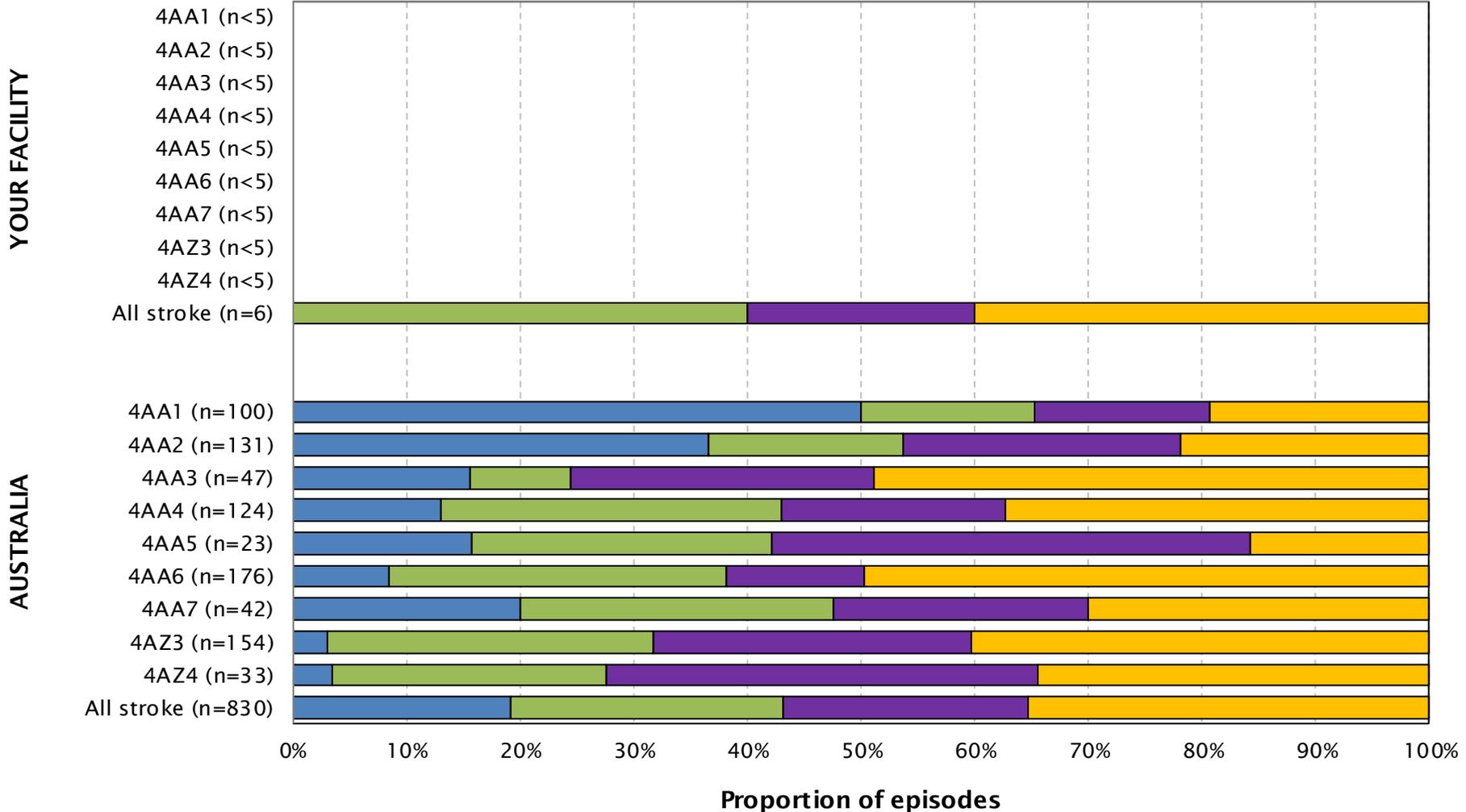
# Discharge destination



# Interim accommodation post discharge by AN-SNAP class



■ Private Residence ■ Residential Aged Care ■ Hospital ■ Other



NOTE: Includes only those episodes with mode of episode end equal to interim accommodation

# Interim accommodation post discharge by AN-SNAP class



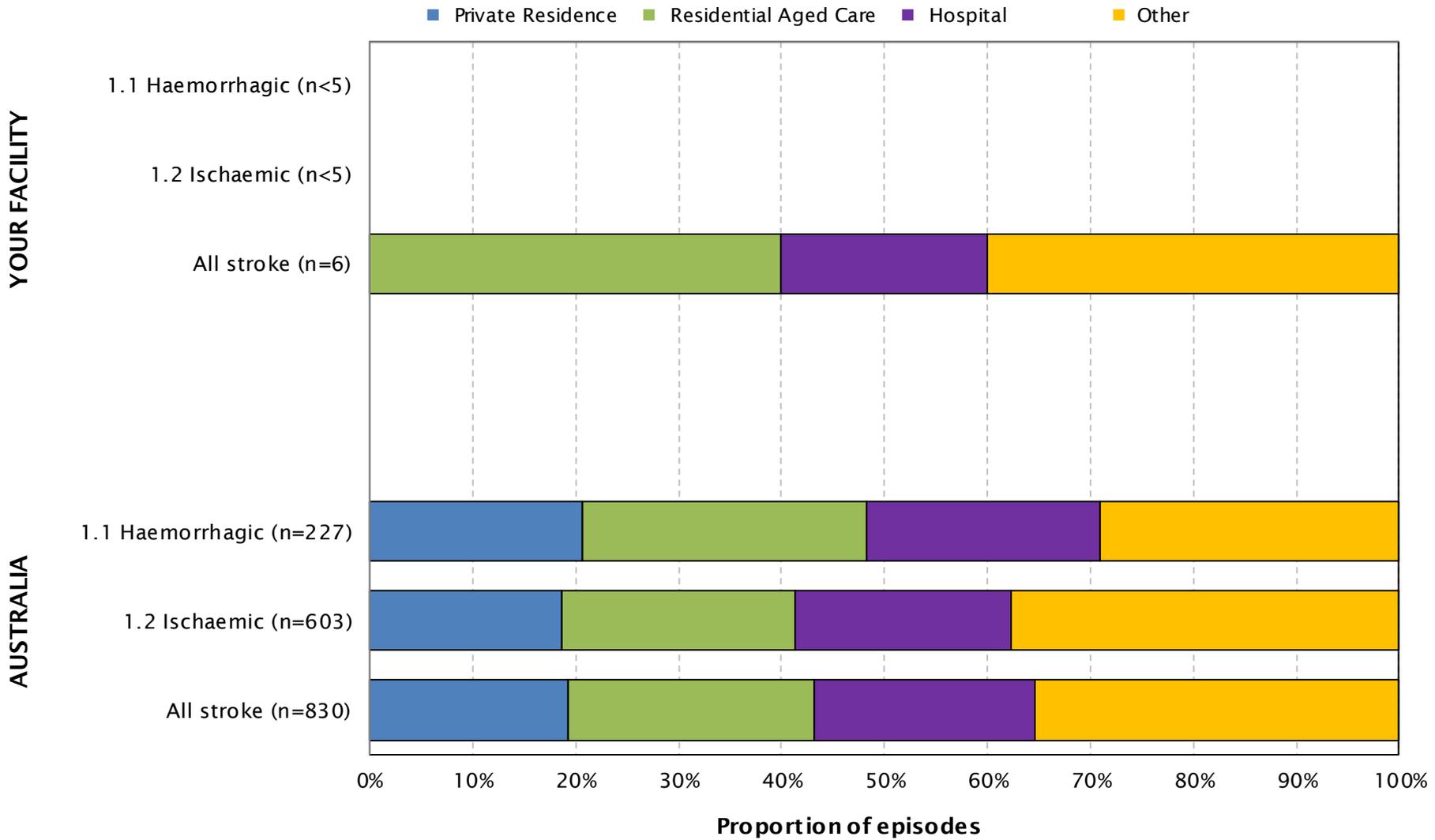
| AN-SNAP class V4                    | YOUR FACILITY — N (%) |                       |                 |                 |                  |
|-------------------------------------|-----------------------|-----------------------|-----------------|-----------------|------------------|
|                                     | Private residence     | Residential Aged Care | Hospital        | Other           | All episodes**   |
| 4AA1 (motor 51-91, cognition 29-35) | 0 —                   | 0 —                   | 0 —             | 0 —             | 0 —              |
| 4AA2 (motor 51-91, cognition 19-28) | 0 (0.0)               | 1 (100.0)             | 0 (0.0)         | 0 (0.0)         | 1 (100.0)        |
| 4AA3 (motor 51-91, cognition 5-18)  | 0 —                   | 0 —                   | 0 —             | 0 —             | 0 —              |
| 4AA4 (motor 36-50, Age ≥ 68)        | 0 —                   | 0 —                   | 0 —             | 0 —             | 0 —              |
| 4AA5 (motor 36-50, Age ≤ 67)        | 0 —                   | 0 —                   | 0 —             | 0 —             | 0 —              |
| 4AA6 (motor 19-35, Age ≥ 68)        | 0 (0.0)               | 1 (50.0)              | 0 (0.0)         | 1 (50.0)        | 2 (100.0)        |
| 4AA7 (motor 19-35, Age ≤ 67)        | 0 (0.0)               | 0 (0.0)               | 0 (0.0)         | 1 (100.0)       | 1 (100.0)        |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 0 (0.0)               | 0 (0.0)               | 1 (100.0)       | 0 (0.0)         | 1 (100.0)        |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 0 (0.0)               | 0 (0.0)               | 0 (0.0)         | 0 (0.0)         | 1 (100.0)        |
| <b>All Stroke AN-SNAP Classes</b>   | <b>0 (0.0)</b>        | <b>2 (33.3)</b>       | <b>1 (16.7)</b> | <b>2 (33.3)</b> | <b>6 (100.0)</b> |

| AN-SNAP class V4                    | AUSTRALIA — N (%) |                       |                   |                   |                    |
|-------------------------------------|-------------------|-----------------------|-------------------|-------------------|--------------------|
|                                     | Private residence | Residential Aged Care | Hospital          | Other             | All episodes**     |
| 4AA1 (motor 51-91, cognition 29-35) | 49 (49.0)         | 15 (15.0)             | 15 (15.0)         | 19 (19.0)         | 100 (100.0)        |
| 4AA2 (motor 51-91, cognition 19-28) | 45 (34.4)         | 21 (16.0)             | 30 (22.9)         | 27 (20.6)         | 131 (100.0)        |
| 4AA3 (motor 51-91, cognition 5-18)  | 7 (14.9)          | 4 (8.5)               | 12 (25.5)         | 22 (46.8)         | 47 (100.0)         |
| 4AA4 (motor 36-50, Age ≥ 68)        | 14 (11.3)         | 32 (25.8)             | 21 (16.9)         | 40 (32.3)         | 124 (100.0)        |
| 4AA5 (motor 36-50, Age ≤ 67)        | 3 (13.0)          | 5 (21.7)              | 8 (34.8)          | 3 (13.0)          | 23 (100.0)         |
| 4AA6 (motor 19-35, Age ≥ 68)        | 14 (8.0)          | 49 (27.8)             | 20 (11.4)         | 82 (46.6)         | 176 (100.0)        |
| 4AA7 (motor 19-35, Age ≤ 67)        | 8 (19.0)          | 11 (26.2)             | 9 (21.4)          | 12 (28.6)         | 42 (100.0)         |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 4 (2.6)           | 37 (24.0)             | 36 (23.4)         | 52 (33.8)         | 154 (100.0)        |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 1 (3.0)           | 7 (21.2)              | 11 (33.3)         | 10 (30.3)         | 33 (100.0)         |
| <b>All Stroke AN-SNAP Classes</b>   | <b>145 (17.5)</b> | <b>181 (21.8)</b>     | <b>162 (19.5)</b> | <b>267 (32.2)</b> | <b>830 (100.0)</b> |

\*\* There was 1 episode(s) in YOUR FACILITY and 75 episodes in AUSTRALIA with unknown interim accommodation

NOTE: Includes only those episodes with mode of episode end equal to interim accommodation

# Interim accommodation post discharge by impairment



NOTE: Includes only those episodes with mode of episode end equal to interim accommodation

# Interim accommodation post discharge by impairment



| YOUR FACILITY — N (%) |                   |                       |                 |                 |                  |
|-----------------------|-------------------|-----------------------|-----------------|-----------------|------------------|
| Impairment            | Private residence | Residential Aged Care | Hospital        | Other           | All episodes**   |
| 1.1 Haemorrhagic      | 0 (0.0)           | 1 (50.0)              | 0 (0.0)         | 1 (50.0)        | 2 (100.0)        |
| 1.2 Ischaemic         | 0 (0.0)           | 1 (25.0)              | 1 (25.0)        | 1 (25.0)        | 4 (100.0)        |
| <b>All Stroke</b>     | <b>0 (0.0)</b>    | <b>2 (33.3)</b>       | <b>1 (16.7)</b> | <b>2 (33.3)</b> | <b>6 (100.0)</b> |

| AUSTRALIA — N (%) |                   |                       |                   |                   |                    |
|-------------------|-------------------|-----------------------|-------------------|-------------------|--------------------|
| Impairment        | Private residence | Residential Aged Care | Hospital          | Other             | All episodes**     |
| 1.1 Haemorrhagic  | 42 (18.5)         | 56 (24.7)             | 46 (20.3)         | 59 (26.0)         | 227 (100.0)        |
| 1.2 Ischaemic     | 103 (17.1)        | 125 (20.7)            | 116 (19.2)        | 208 (34.5)        | 603 (100.0)        |
| <b>All Stroke</b> | <b>145 (17.5)</b> | <b>181 (21.8)</b>     | <b>162 (19.5)</b> | <b>267 (32.2)</b> | <b>830 (100.0)</b> |

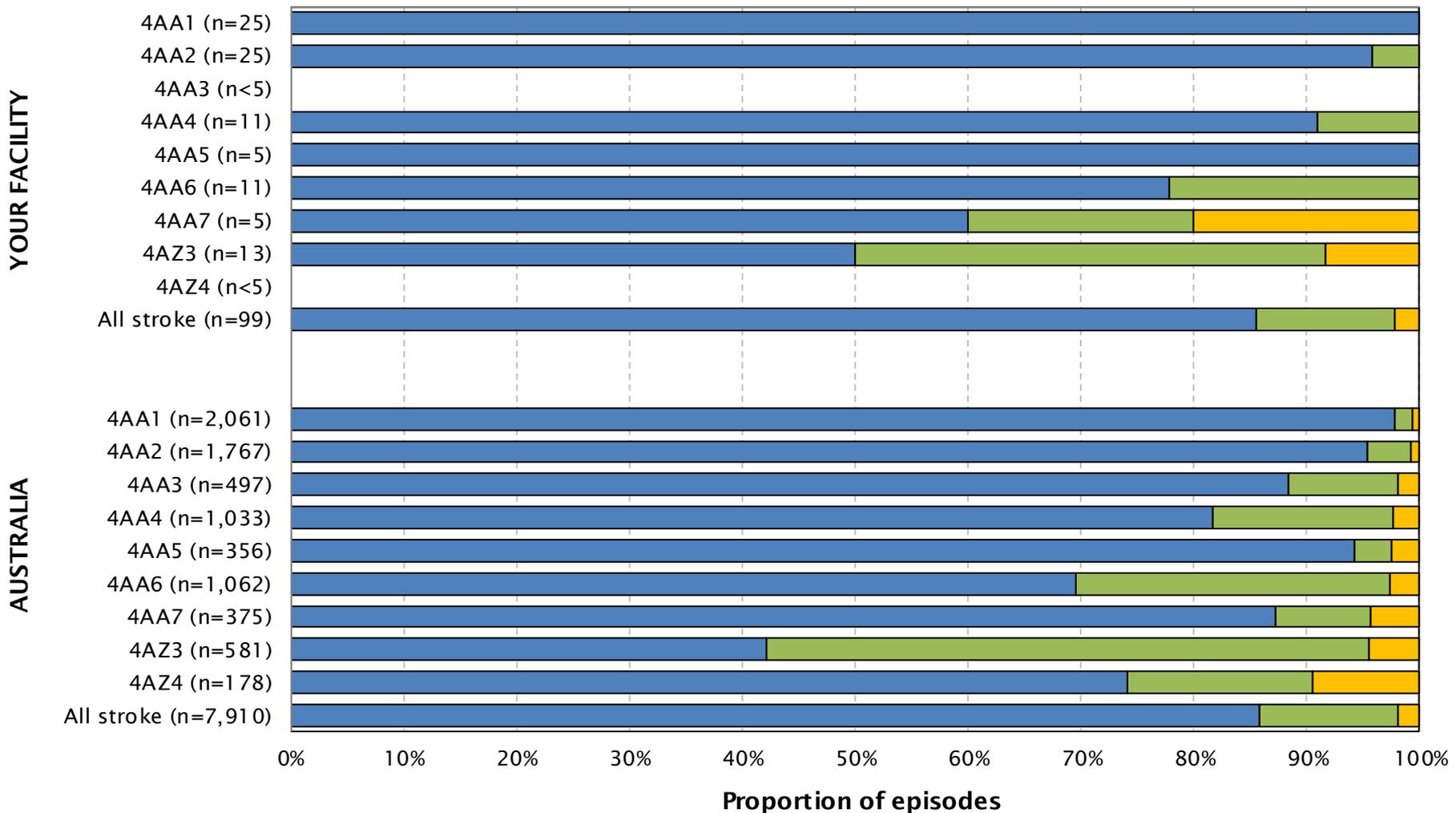
\*\* There was 1 episode(s) in YOUR FACILITY and 75 episodes in AUSTRALIA with unknown interim accommodation

NOTE: Includes only those episodes with mode of episode end equal to interim accommodation

# Final accommodation post discharge by AN-SNAP class



■ Private Residence ■ Residential Aged Care ■ Other



NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

# Final accommodation post discharge by AN-SNAP class

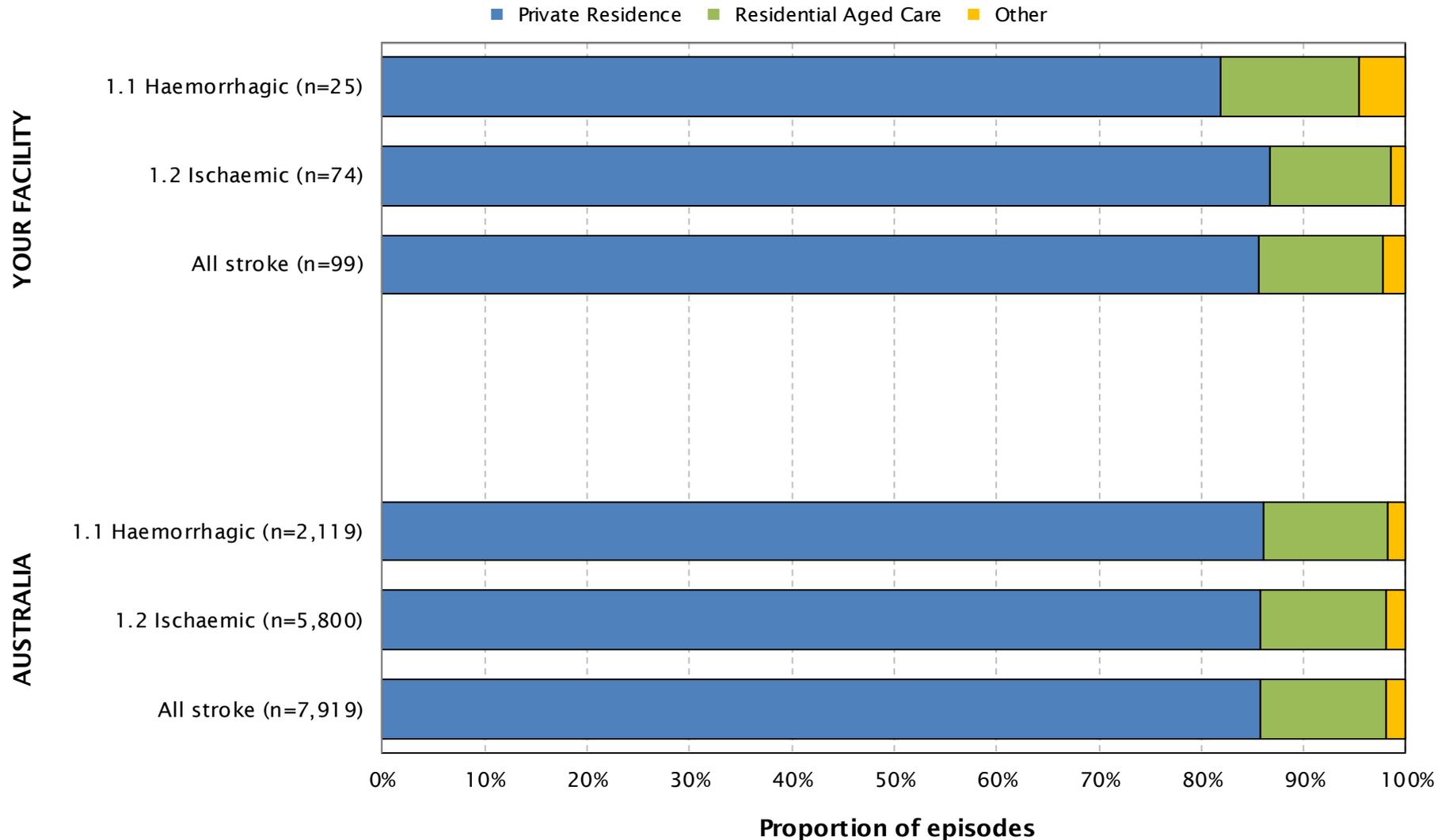


| AN-SNAP class V4                    | YOUR FACILITY — N (%) |                       |                |          |                   |
|-------------------------------------|-----------------------|-----------------------|----------------|----------|-------------------|
|                                     | Private residence     | Residential Aged Care | Other          | Missing  | All episodes      |
| 4AA1 (motor 51-91, cognition 29-35) | 21 (100.0)            | 0 (0.0)               | 0 (0.0)        | 4        | 21 (100.0)        |
| 4AA2 (motor 51-91, cognition 19-28) | 23 (95.8)             | 1 (4.2)               | 0 (0.0)        | 1        | 24 (100.0)        |
| 4AA3 (motor 51-91, cognition 5-18)  | 2 (100.0)             | 0 (0.0)               | 0 (0.0)        | 0        | 2 (100.0)         |
| 4AA4 (motor 36-50, Age ≥ 68)        | 10 (90.9)             | 1 (9.1)               | 0 (0.0)        | 0        | 11 (100.0)        |
| 4AA5 (motor 36-50, Age ≤ 67)        | 5 (100.0)             | 0 (0.0)               | 0 (0.0)        | 0        | 5 (100.0)         |
| 4AA6 (motor 19-35, Age ≥ 68)        | 7 (70.0)              | 2 (20.0)              | 1 (10.0)       | 1        | 10 (100.0)        |
| 4AA7 (motor 19-35, Age ≤ 67)        | 3 (60.0)              | 1 (20.0)              | 1 (20.0)       | 0        | 5 (100.0)         |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 6 (46.2)              | 5 (38.5)              | 2 (15.4)       | 0        | 13 (100.0)        |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 0 (0.0)               | 1 (100.0)             | 0 (0.0)        | 1        | 1 (100.0)         |
| <b>All Stroke AN-SNAP Classes</b>   | <b>77 (83.7)</b>      | <b>11 (12.0)</b>      | <b>4 (4.3)</b> | <b>7</b> | <b>92 (100.0)</b> |

| AN-SNAP class V4                    | AUSTRALIA — N (%)   |                       |                  |            |                      |
|-------------------------------------|---------------------|-----------------------|------------------|------------|----------------------|
|                                     | Private residence   | Residential Aged Care | Other            | Missing    | All episodes         |
| 4AA1 (motor 51-91, cognition 29-35) | 1,917 (93.0)        | 30 (1.5)              | 28 (1.4)         | 86         | 2,061 (100.0)        |
| 4AA2 (motor 51-91, cognition 19-28) | 1,596 (90.3)        | 65 (3.7)              | 34 (1.9)         | 72         | 1,767 (100.0)        |
| 4AA3 (motor 51-91, cognition 5-18)  | 421 (84.7)          | 46 (9.3)              | 15 (3.0)         | 15         | 497 (100.0)          |
| 4AA4 (motor 36-50, Age ≥ 68)        | 781 (75.6)          | 153 (14.8)            | 43 (4.2)         | 56         | 1,033 (100.0)        |
| 4AA5 (motor 36-50, Age ≤ 67)        | 310 (87.1)          | 11 (3.1)              | 11 (3.1)         | 24         | 356 (100.0)          |
| 4AA6 (motor 19-35, Age ≥ 68)        | 673 (63.4)          | 268 (25.2)            | 59 (5.6)         | 62         | 1,062 (100.0)        |
| 4AA7 (motor 19-35, Age ≤ 67)        | 300 (80.0)          | 29 (7.7)              | 27 (7.2)         | 19         | 375 (100.0)          |
| 4AZ3 (motor 13-18, Age ≥ 65)        | 216 (37.2)          | 274 (47.2)            | 43 (7.4)         | 48         | 581 (100.0)          |
| 4AZ4 (motor 13-18, Age ≤ 64)        | 117 (65.7)          | 26 (14.6)             | 23 (12.9)        | 12         | 178 (100.0)          |
| <b>All Stroke AN-SNAP Classes</b>   | <b>6,331 (80.0)</b> | <b>902 (11.4)</b>     | <b>283 (3.6)</b> | <b>394</b> | <b>7,910 (100.0)</b> |

NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

# Final accommodation post discharge by impairment



NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

# Final accommodation post discharge by impairment

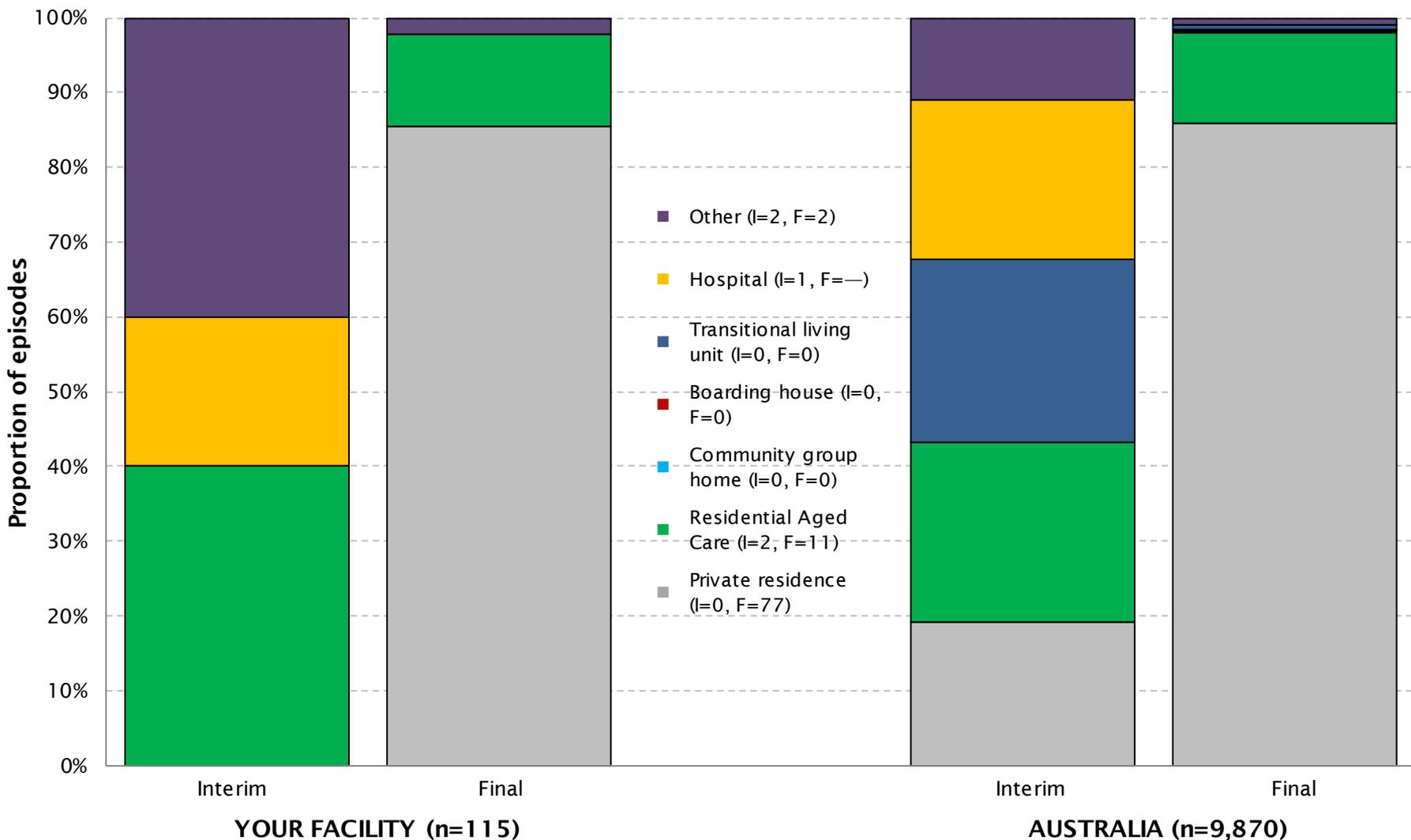


| YOUR FACILITY — N (%) |                   |                       |                |          |                   |  |
|-----------------------|-------------------|-----------------------|----------------|----------|-------------------|--|
| Impairment            | Private residence | Residential Aged Care | Other          | Missing  | All episodes      |  |
| 1.1 Haemorrhagic      | 18 (81.8)         | 3 (13.6)              | 1 (4.5)        | 3        | 22 (100.0)        |  |
| 1.2 Ischaemic         | 59 (84.3)         | 8 (11.4)              | 3 (4.3)        | 4        | 70 (100.0)        |  |
| <b>All Stroke</b>     | <b>77 (83.7)</b>  | <b>11 (12.0)</b>      | <b>4 (4.3)</b> | <b>7</b> | <b>92 (100.0)</b> |  |

| AUSTRALIA — N (%) |                     |                       |                  |            |                      |  |
|-------------------|---------------------|-----------------------|------------------|------------|----------------------|--|
| Impairment        | Private residence   | Residential Aged Care | Other            | Missing    | All episodes         |  |
| 1.1 Haemorrhagic  | 1,691 (79.8)        | 239 (11.3)            | 72 (3.4)         | 117        | 2,119 (100.0)        |  |
| 1.2 Ischaemic     | 4,648 (80.1)        | 664 (11.4)            | 211 (3.6)        | 277        | 5,800 (100.0)        |  |
| <b>All Stroke</b> | <b>6,339 (80.0)</b> | <b>903 (11.4)</b>     | <b>283 (3.6)</b> | <b>394</b> | <b>7,919 (100.0)</b> |  |

NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

# Interim and final accommodation post discharge



NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

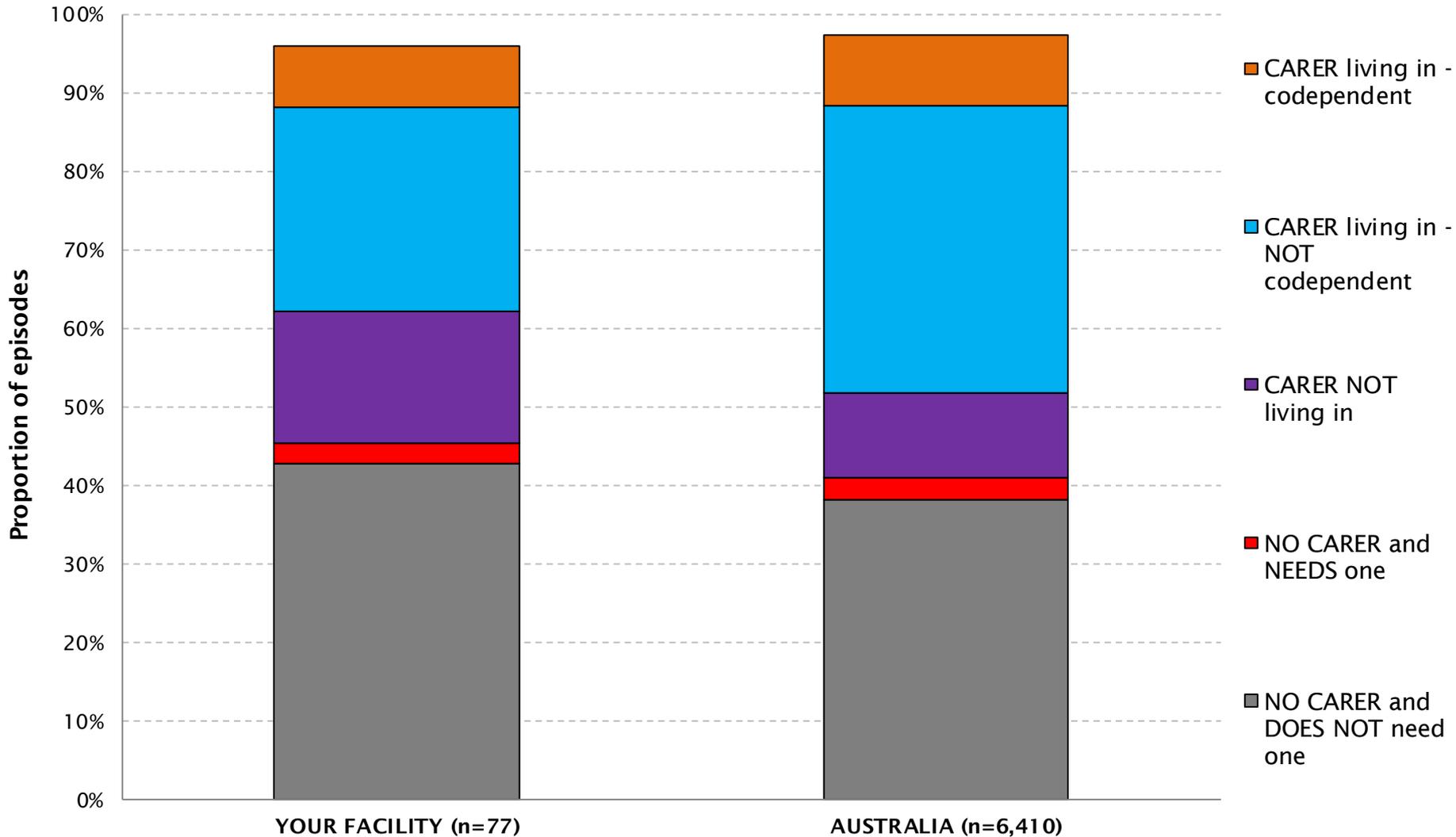
# Interim and final accommodation post discharge



| Accommodation            | YOUR FACILITY |                |           |                | AUSTRALIA  |                |              |                |
|--------------------------|---------------|----------------|-----------|----------------|------------|----------------|--------------|----------------|
|                          | Interim       | (%)            | Final     | (%)            | Interim    | (%)            | Final        | (%)            |
| Private residence        | 0             | (0.0%)         | 77        | (85.6%)        | 145        | (19.2%)        | 6,331        | (85.8%)        |
| Residential Aged Care    | 2             | (40.0%)        | 11        | (12.2%)        | 181        | (24.0%)        | 902          | (12.2%)        |
| Community group home     | 0             | (0.0%)         | 0         | (0.0%)         | 1          | (0.1%)         | 21           | (0.3%)         |
| Boarding house           | 0             | (0.0%)         | 0         | (0.0%)         | 0          | (0.0%)         | 12           | (0.2%)         |
| Transitional living unit | 0             | (0.0%)         | 0         | (0.0%)         | 184        | (24.4%)        | 39           | (0.5%)         |
| Hospital                 | 1             | (20.0%)        | —         |                | 162        | (21.5%)        | —            |                |
| Other                    | 2             | (40.0%)        | 2         | (2.2%)         | 82         | (10.9%)        | 72           | (1.0%)         |
| Missing/Unknown          | 1             |                | 9         |                | 75         |                | 533          |                |
| <b>All episodes</b>      | <b>6</b>      | <b>(100.0)</b> | <b>99</b> | <b>(100.0)</b> | <b>830</b> | <b>(100.0)</b> | <b>7,910</b> | <b>(100.0)</b> |

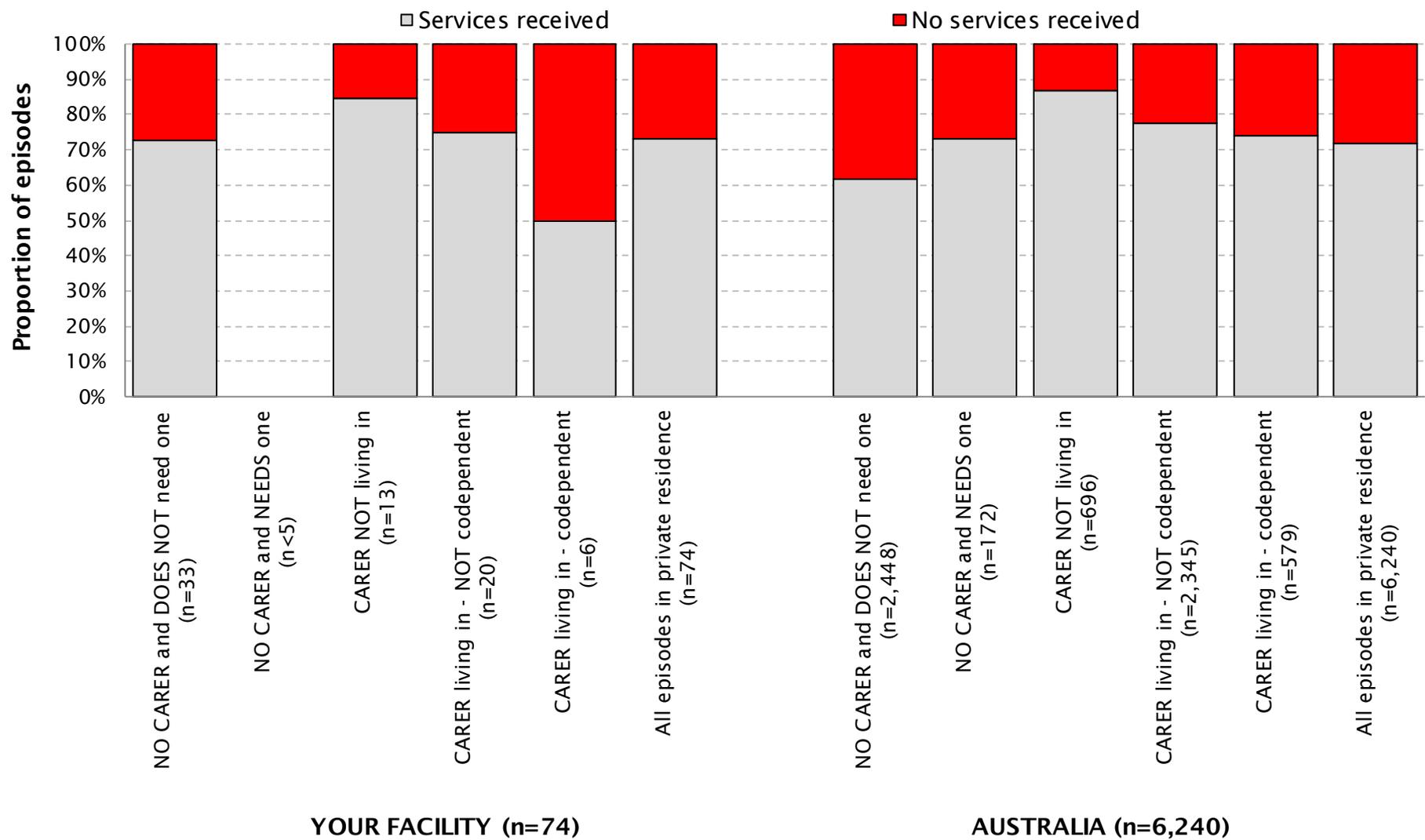
NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

# Carer status post discharge



NOTE: Includes only those episodes whose final accommodation is private residence

# Any services received post discharge by carer status



NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and known services status

# Carer status and any services received post discharge

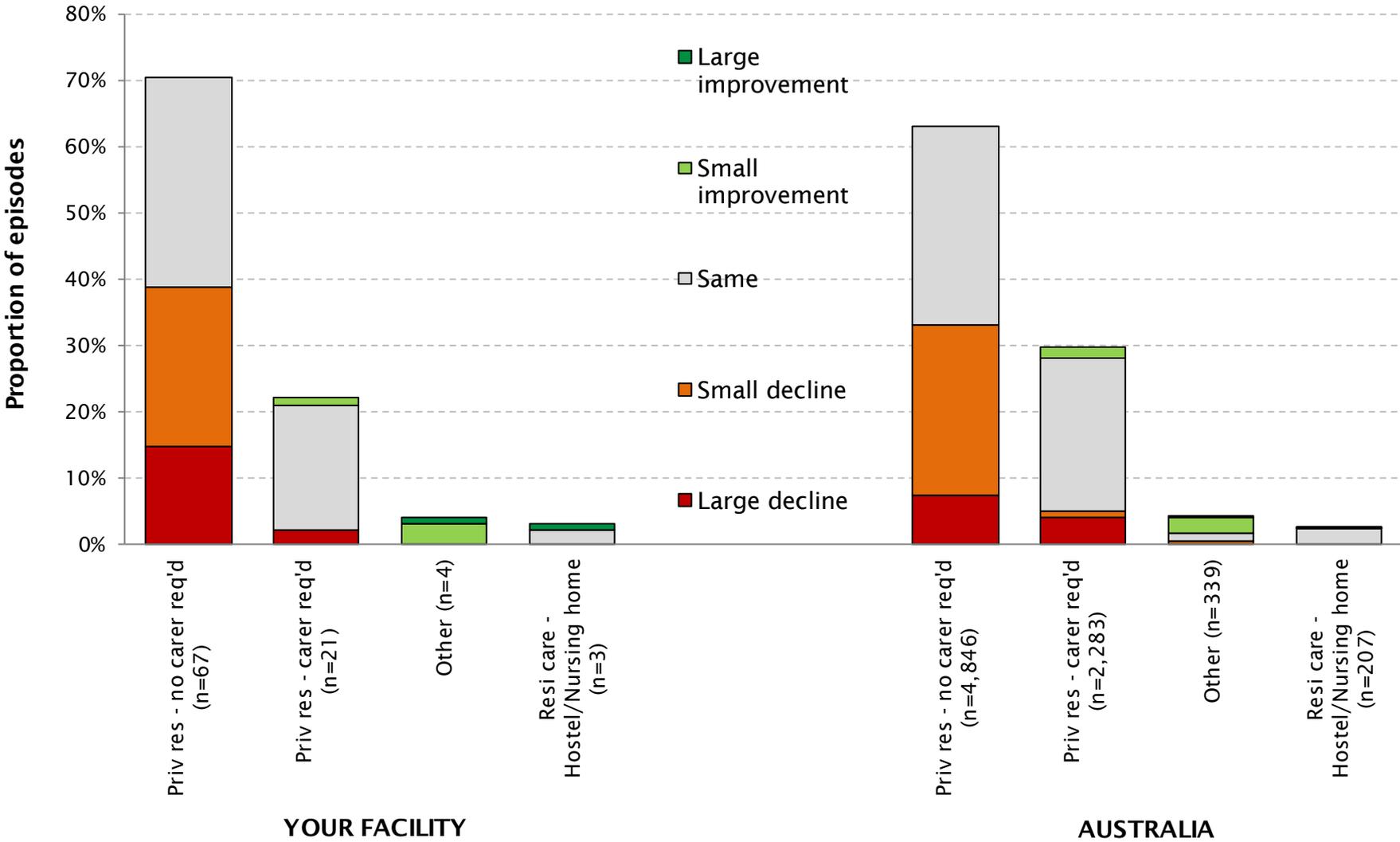


| Carer status post discharge              | YOUR FACILITY |              | AUSTRALIA    |              |
|--|---------------|--------------|--------------|--------------|
|  | No.           | %            | No.          | %            |
| NO CARER and DOES NOT need one           | 33            | 44.6         | 2,453        | 39.3         |
| NO CARER and NEEDS one                   | 2             | 2.7          | 172          | 2.8          |
| CARER NOT living in                      | 13            | 17.6         | 696          | 11.1         |
| CARER living in - NOT codependent        | 20            | 27.0         | 2,346        | 37.6         |
| CARER living in - codependent            | 6             | 8.1          | 579          | 9.3          |
| Missing                                  | 3             |              | 164          |              |
| <b>All episodes in private residence</b> | <b>77</b>     | <b>100.0</b> | <b>6,410</b> | <b>100.0</b> |

| Carer status post discharge              | Any services received post discharge? |             |             |             |
|--|---------------------------------------|-------------|-------------|-------------|
|  | YOUR FACILITY                         |             | AUSTRALIA   |             |
|  | Yes (%)                               | No (%)      | Yes (%)     | No (%)      |
| NO CARER and DOES NOT need one           | 72.7                                  | 27.3        | 61.7        | 38.3        |
| NO CARER and NEEDS one                   | —                                     | —           | 73.3        | 26.7        |
| CARER NOT living in                      | 84.6                                  | 15.4        | 86.9        | 13.1        |
| CARER living in - NOT codependent        | 75.0                                  | 25.0        | 77.5        | 22.5        |
| CARER living in - codependent            | 50.0                                  | 50.0        | 73.9        | 26.1        |
| <b>All episodes in private residence</b> | <b>73.0</b>                           | <b>27.0</b> | <b>71.9</b> | <b>28.1</b> |

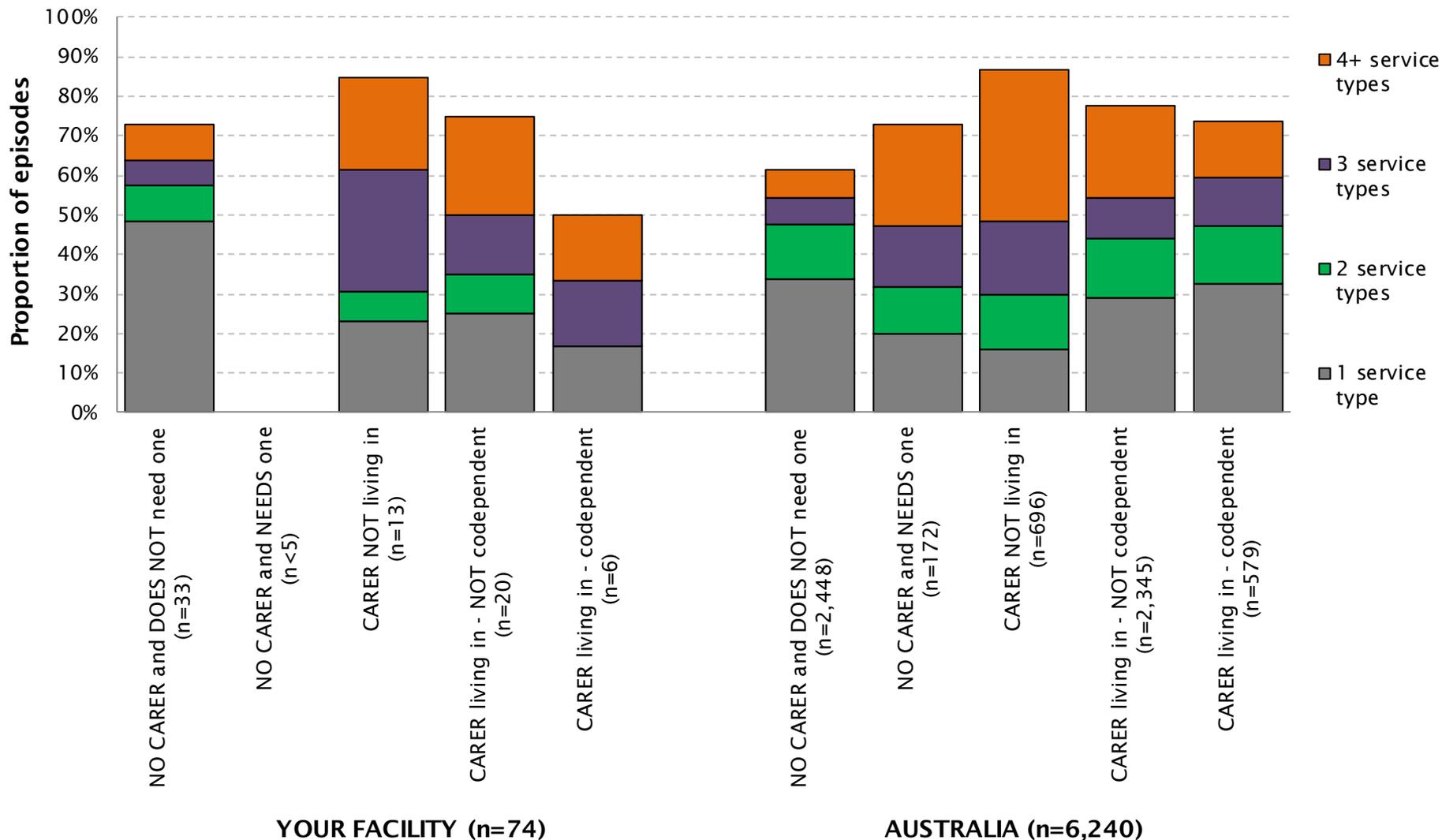
NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and known services status

# Change in prior accommodation post discharge



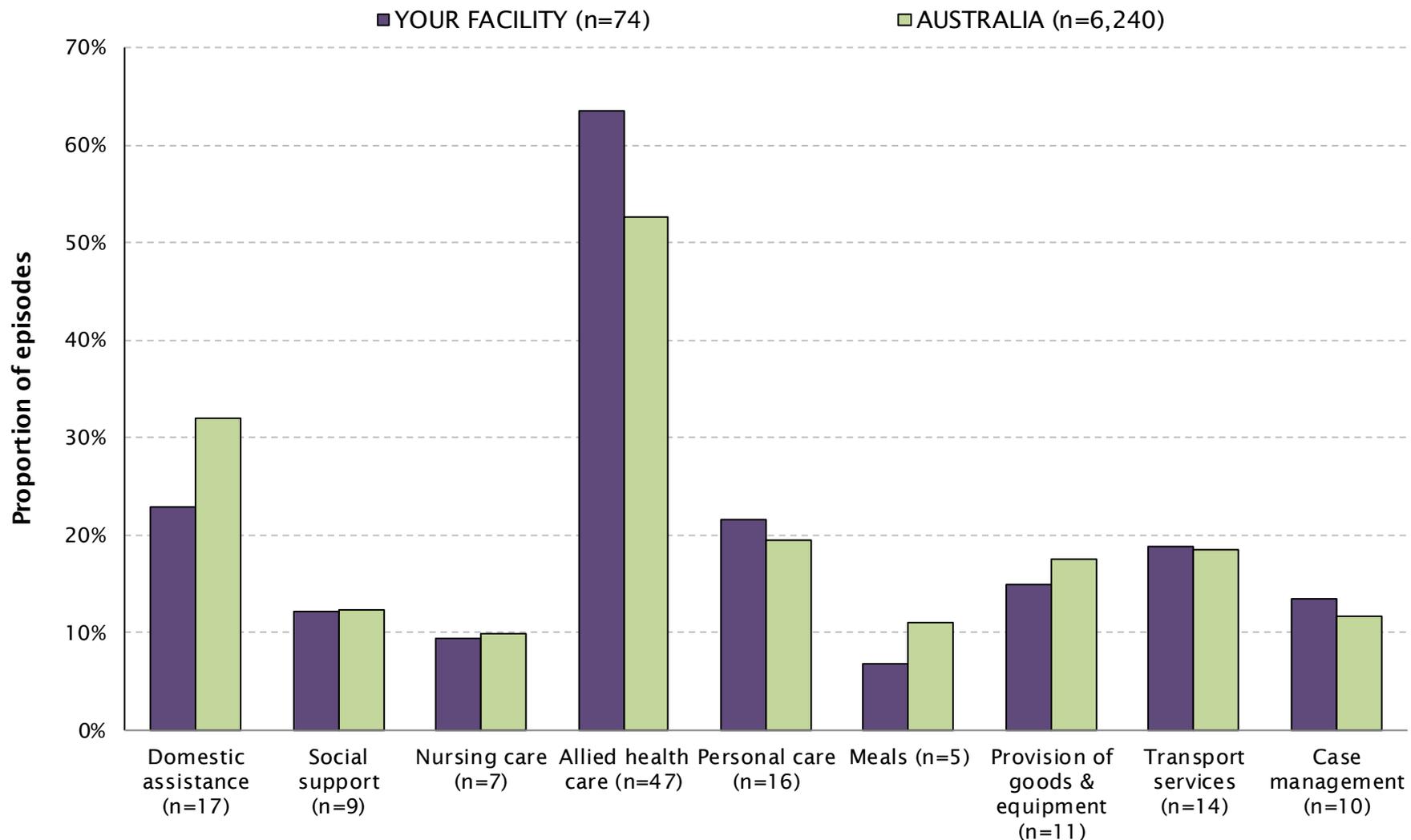
NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and known services status

# Number of services received post discharge by carer status



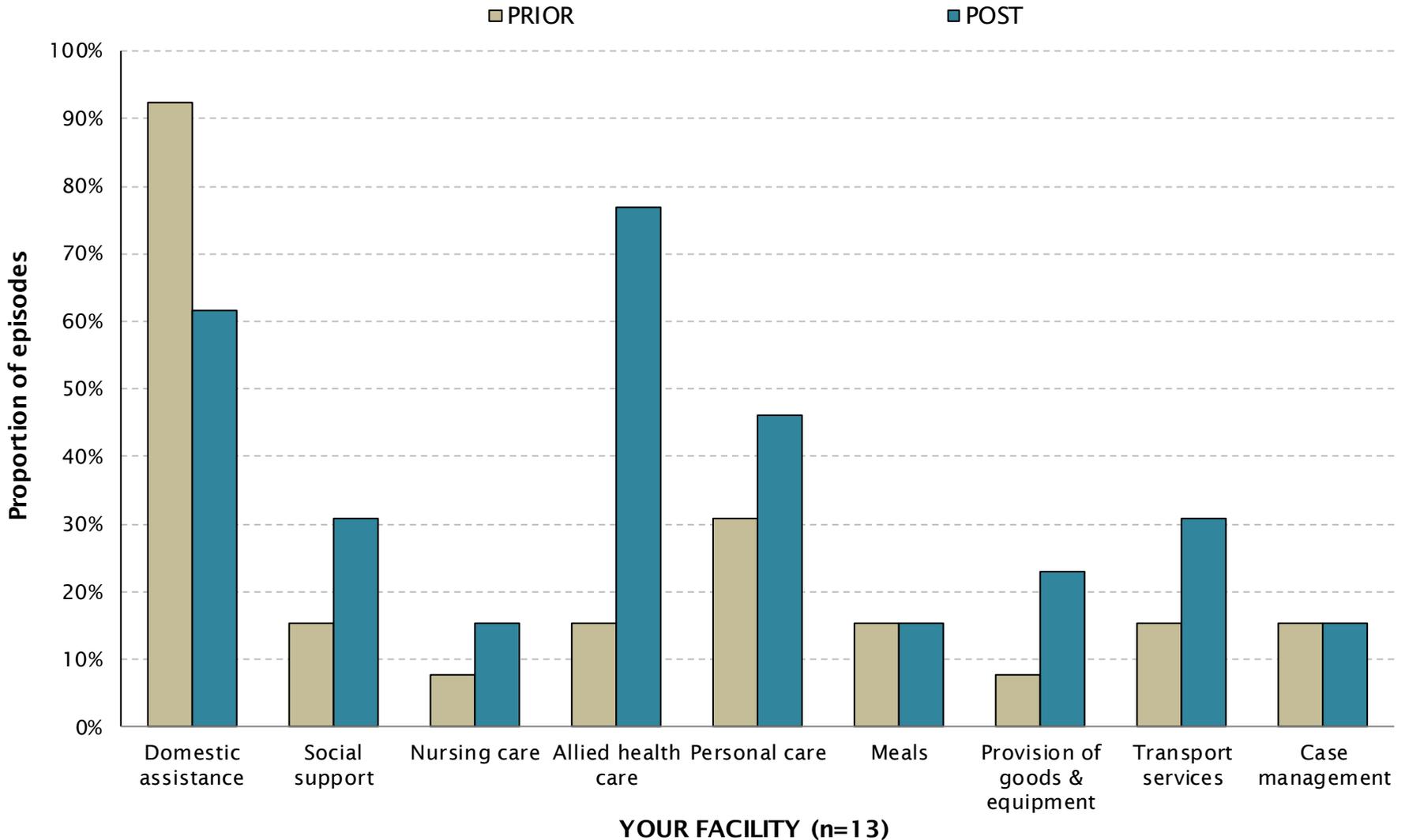
NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and known services status

# Type of services received post discharge



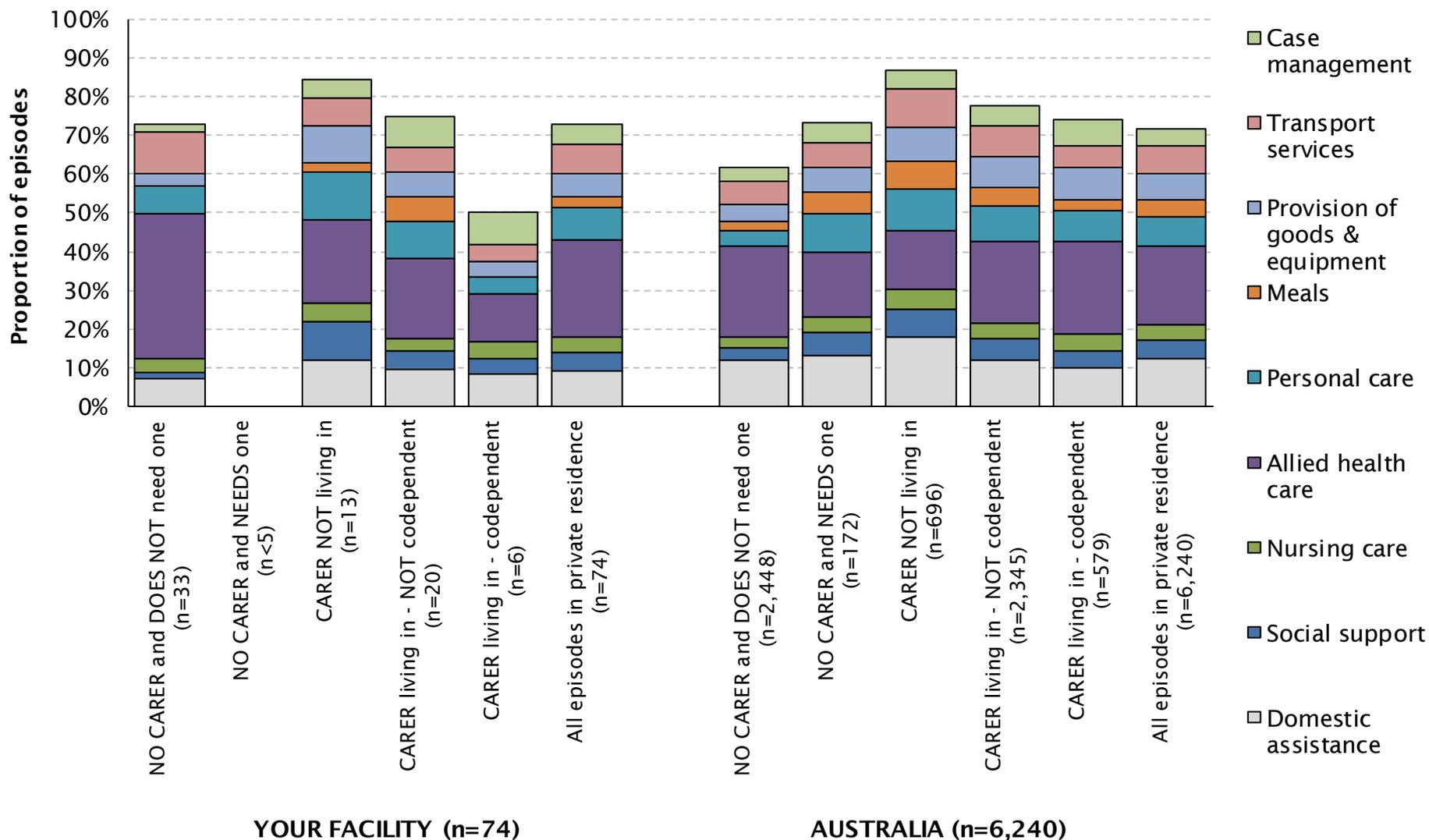
NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and known services status

# Type of services received pre and post rehabilitation



NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and received services both prior and post the episode

# Type of services received post discharge by carer status



NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and known services status

# Number and type of services received post discharge – Your facility



| Carer status post discharge - YOUR FACILITY |                                |                        |                     |                                   |                               |                                   |
|---|--------------------------------|------------------------|---------------------|-----------------------------------|-------------------------------|-----------------------------------|
| Services received post discharge            | NO CARER and DOES NOT need one | NO CARER and NEEDS one | CARER NOT living in | CARER living in - NOT codependent | CARER living in - codependent | All episodes in private residence |
| Number of episodes in private residence     | 33                             | 2                      | 13                  | 20                                | 6                             | 74                                |
| <b>Percent of episodes receiving:</b>       |                                |                        |                     |                                   |                               |                                   |
| No services                                 | 27.3                           | 50.0                   | 15.4                | 25.0                              | 50.0                          | 27.0                              |
| 1 service type                              | 48.5                           | 50.0                   | 23.1                | 25.0                              | 16.7                          | 35.1                              |
| 2 service types                             | 9.1                            | 0.0                    | 7.7                 | 10.0                              | 0.0                           | 8.1                               |
| 3 service types                             | 6.1                            | 0.0                    | 30.8                | 15.0                              | 16.7                          | 13.5                              |
| 4 or more service types                     | 9.1                            | 0.0                    | 23.1                | 25.0                              | 16.7                          | 16.2                              |
| <b>Service Type received</b>                |                                |                        |                     |                                   |                               |                                   |
| Domestic assistance                         | 12.1                           | 0.0                    | 38.5                | 30.0                              | 33.3                          | 23.0                              |
| Social support                              | 3.0                            | 0.0                    | 30.8                | 15.0                              | 16.7                          | 12.2                              |
| Nursing care                                | 6.1                            | 0.0                    | 15.4                | 10.0                              | 16.7                          | 9.5                               |
| Allied health care                          | 63.6                           | 50.0                   | 69.2                | 65.0                              | 50.0                          | 63.5                              |
| Personal care                               | 12.1                           | 0.0                    | 38.5                | 30.0                              | 16.7                          | 21.6                              |
| Meals                                       | 0.0                            | 0.0                    | 7.7                 | 20.0                              | 0.0                           | 6.8                               |
| Provision of goods & equipment              | 6.1                            | 0.0                    | 30.8                | 20.0                              | 16.7                          | 14.9                              |
| Transport services                          | 18.2                           | 0.0                    | 23.1                | 20.0                              | 16.7                          | 18.9                              |
| Case management                             | 3.0                            | 0.0                    | 15.4                | 25.0                              | 33.3                          | 13.5                              |

NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and known services status

# Number and type of services received post discharge – National



| Carer status post discharge - AUSTRALIA |                                |                        |                     |                                   |                               |                                   |
|---|--------------------------------|------------------------|---------------------|-----------------------------------|-------------------------------|-----------------------------------|
| Services received post discharge        | NO CARER and DOES NOT need one | NO CARER and NEEDS one | CARER NOT living in | CARER living in - NOT codependent | CARER living in - codependent | All episodes in private residence |
| Number of episodes in private residence | 2,448                          | 172                    | 696                 | 2,345                             | 579                           | <b>6,240</b>                      |
| <b>Percent of episodes receiving:</b>   |                                |                        |                     |                                   |                               |                                   |
| No services                             | 38.3                           | 26.7                   | 13.1                | 22.5                              | 26.1                          | <b>28.1</b>                       |
| 1 service type                          | 33.6                           | 19.8                   | 16.1                | 28.9                              | 32.6                          | <b>29.4</b>                       |
| 2 service types                         | 14.0                           | 12.2                   | 13.8                | 15.1                              | 14.7                          | <b>14.4</b>                       |
| 3 service types                         | 6.9                            | 15.1                   | 18.5                | 10.3                              | 12.1                          | <b>10.2</b>                       |
| 4 or more service types                 | 7.1                            | 25.6                   | 38.1                | 23.2                              | 14.3                          | <b>17.8</b>                       |
| <b>Service Type received</b>            |                                |                        |                     |                                   |                               |                                   |
| Domestic assistance                     | 22.5                           | 40.1                   | 62.8                | 33.8                              | 24.4                          | <b>31.9</b>                       |
| Social support                          | 5.8                            | 19.2                   | 25.7                | 15.1                              | 9.8                           | <b>12.2</b>                       |
| Nursing care                            | 5.9                            | 11.6                   | 17.5                | 11.6                              | 10.9                          | <b>9.9</b>                        |
| Allied health care                      | 44.1                           | 51.7                   | 54.3                | 59.4                              | 58.0                          | <b>52.5</b>                       |
| Personal care                           | 8.1                            | 30.2                   | 36.9                | 25.3                              | 18.8                          | <b>19.4</b>                       |
| Meals                                   | 4.7                            | 17.4                   | 25.4                | 14.1                              | 7.1                           | <b>11.1</b>                       |
| Provision of goods & equipment          | 8.3                            | 19.2                   | 30.7                | 22.4                              | 19.9                          | <b>17.5</b>                       |
| Transport services                      | 11.0                           | 20.3                   | 35.8                | 22.1                              | 13.6                          | <b>18.4</b>                       |
| Case management                         | 6.8                            | 15.7                   | 17.1                | 13.9                              | 15.7                          | <b>11.7</b>                       |

NOTE: Includes only those episodes whose final accommodation is private residence and with known carer status and known services status

## **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 were 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, calculated separately for traumatic and non-traumatic episodes. 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:**

**LOSdiff = episode's LOS - mean LOS appropriate AN-SNAP class.**

**Casemix-adjusted relative mean = Sum of LOSdiff for all episodes divided by 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 injury & 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).

## 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.

## Relative Functional Gain (RFG) and Relative Functional Efficiency (RFE)

FIM change measures the absolute difference between admission FIM and discharge FIM scores, i.e. client 1 had a 10 point improvement (admission 46 - discharge 56) and client 2 also had a ten point improvement (admission 116 - discharge 126). FIM change does not take into account the proportion of FIM change possible, i.e. client 1 improved 10 points out of possible 80 (126-46) and client 2 improved 10 points out of a possible 10 (126-116). So not all patients that improve 10 FIM points are the same. This proportion of FIM change possible is known as the Relative Functional Gain (RFG) and tries to take into account the amount of FIM gain possible. RFG is calculated as follows:

- If actual FIM change > 0 [improved]
  - **(Discharge FIM - Admission FIM)/(126 - Admission FIM)**
    - e.g.  $(90 - 50)/(126-50) = 40/76 = 52.6\%$
- If actual FIM change < 0 [declined]
  - **(Discharge FIM - Admission FIM)/ (Admission FIM)**
    - e.g.  $(90 - 100)/100 = -10/100 = -10\%$
- If actual FIM change = 0 [no change]
  - 0%

FIM efficiency measures the absolute difference between admission FIM and discharge FIM scores per day, without taking into account the proportion of FIM change possible. The Relative Functional Gain per day is known as the Relative Functional Efficiency (RFE), and is calculated as the RFG divided by the length of stay (LOS).

## 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.

## **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 Guillian-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

### Not resulting from trauma

- 5.11 Single upper above elbow
- 5.12 Single upper below elbow
- 5.13 Single lower above knee (includes through knee)
- 5.14 Single lower below knee
- 5.15 Double lower above knee (includes through knee)
- 5.16 Double lower above/below knee
- 5.17 Double lower below knee
- 5.18 Partial foot (single or double)
- 5.19 Other amputation not from trauma

## 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)

# Appendix 2: AROC Impairment Codes

## 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



## Class Description of AN- SNAP class

|      |  |
|------|--|
| 4AZ1 | Weighted FIM motor score 13- 18, Brain, Spine, MMT, Age ≥ 49       |
| 4AZ2 | Weighted FIM motor score 13- 18, Brain, Spine, MMT, Age ≤ 48       |
| 4AZ3 | Weighted FIM motor score 13- 18, All other impairments, Age ≥ 65   |
| 4AZ4 | Weighted FIM motor score 13- 18, All other impairments, Age ≤ 64   |
| 4AA1 | Stroke, weighted FIM motor 51- 91, FIM cognition 29- 35            |
| 4AA2 | Stroke, weighted FIM motor 51- 91, FIM cognition 19- 28            |
| 4AA3 | Stroke, weighted FIM motor 51- 91, FIM cognition 5- 18             |
| 4AA4 | Stroke, weighted FIM motor 36- 50, Age ≥ 68                        |
| 4AA5 | Stroke, weighted FIM motor 36- 50, Age ≤ 67                        |
| 4AA6 | Stroke, weighted FIM motor 19- 35, Age ≥ 68                        |
| 4AA7 | Stroke, weighted FIM motor 19- 35, Age ≤ 67                        |
| 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                       |
| 4AC1 | Neurological conditions, weighted FIM motor 62- 91                 |
| 4AC2 | Neurological conditions, weighted FIM motor 43- 61                 |
| 4AC3 | Neurological conditions, weighted FIM motor 19- 42                 |
| 4AD1 | Spinal cord dysfunction, Age ≥ 50, weighted FIM motor 42- 91       |
| 4AD2 | Spinal cord dysfunction, Age ≥ 50, weighted FIM motor 19- 41       |
| 4AD3 | Spinal cord dysfunction, Age ≤ 49, weighted FIM motor 34- 91       |
| 4AD4 | Spinal cord dysfunction, Age ≤ 49, weighted FIM motor 19- 33       |

## Class Description of AN- SNAP class

|      |  |
|------|--|
| 4AE1 | Amputation of limb, Age ≥ 54, weighted FIM motor 68- 91                            |
| 4AE2 | Amputation of limb, Age ≥ 54, weighted FIM motor 31- 67                            |
| 4AE3 | Amputation of limb, Age ≥ 54, weighted FIM motor 19- 30                            |
| 4AE4 | Amputation of limb, Age ≤ 53, weighted FIM motor 19- 91                            |
| 4AH1 | Orthopaedic conditions, fractures, weighted FIM motor 49- 91, FIM cognition 33- 35 |
| 4AH2 | Orthopaedic conditions, fractures, weighted FIM motor 49- 91, FIM cognition 5- 32  |
| 4AH3 | Orthopaedic conditions, fractures, weighted FIM motor 38- 48                       |
| 4AH4 | Orthopaedic conditions, fractures, weighted FIM motor 19- 37                       |
| 4A21 | Orthopaedic conditions, all other, weighted FIM motor 68- 91                       |
| 4A22 | Orthopaedic conditions, all other, weighted FIM motor 50- 67                       |
| 4A23 | Orthopaedic conditions, all other, weighted FIM motor 19- 49                       |
| 4A31 | Cardiac, Pain syndromes, Pulmonary, weighted FIM motor 72- 91                      |
| 4A32 | Cardiac, Pain syndromes, Pulmonary, weighted FIM motor 55- 71                      |
| 4A33 | Cardiac, Pain syndromes, Pulmonary, weighted FIM motor 34- 54                      |
| 4A34 | Cardiac, Pain syndromes, Pulmonary, weighted FIM motor 19- 33                      |
| 4AP1 | Major Multiple Trauma, weighted FIM motor 19- 91                                   |
| 4AR1 | Reconditioning, weighted FIM motor 67- 91  |
| 4AR2 | Reconditioning, weighted FIM motor 50- 66, FIM cognition 26- 35                    |
| 4AR3 | Reconditioning, weighted FIM motor 50- 66, FIM cognition 5- 25                     |
| 4AR4 | Reconditioning, weighted FIM motor 34- 49, FIM cognition 31- 35                    |
| 4AR5 | Reconditioning, weighted FIM motor 34- 49, FIM cognition 5- 30                     |
| 4AR6 | Reconditioning, weighted FIM motor 19- 33  |
| 4A91 | All other impairments, weighted FIM motor 55- 91                                   |
| 4A92 | All other impairments, weighted FIM motor 33- 54                                   |
| 4A93 | All other impairments, weighted FIM motor 19- 32                                   |
| 499A | Adult Overnight Rehabilitation - Ungroupable                                       |

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- **Disclaimer**

AROC has made every effort to ensure that the data used in these reports are accurate. Data submitted to AROC are checked for anomalies and facilities are asked to re-submit data prior to the production of AROC reports. We have provided general guidelines on the interpretation of the information reported but would advise readers to use their professional judgement in considering all information contained in this report.
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