

AROC Impairment Specific Report

Inpatient – Pathway 3

STROKE

Anywhere Hospital

January 2014 – December 2014



**Australasian Faculty
of Rehabilitation
Medicine**



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Introducing the Impairment Specific Reports

This is the third AROC Impairment Specific Report which compares YOUR FACILITY's data to your NATIONAL data (Australia or New Zealand). Each Impairment Specific Report is structured as a series of chapters. Each report will present an overall big picture chapter on the impairment followed by a chapter looking at FIM item scoring at YOUR FACILITY as compared to your NATIONAL data by AN-SNAP class. An outcomes analysis chapter follows with an explanatory data chapter at the end.

Some facilities only have a small number of episodes. While NATIONAL data includes all facilities with data on this impairment, facilities will only receive this report where they have a minimum of 20 episodes within this impairment.

AROC welcomes your feedback on this report.

NOTE: This report should be considered in conjunction with the relevant Target Outcomes Report and the Benchmark Core Report for your facility.

Data used in this report

- Data included in this report are all stroke episodes ending during the calendar year 2014 (1 January 2014 to 31 December 2014 inclusive).
- Commencing with the 2013 Calendar Year benchmark reports AROC is implementing a new analysis practice called Data Concatenation (refer Appendix 1 for more details about this process)
- All tables and graphs present calendar year 2014 data unless otherwise indicated, and the number of episodes from YOUR FACILITY in 2014 are provided. Where there are less than five episodes within a subgroup, summary data are not provided.
- This report is based on the V4 data set - Pathway 3 (inpatient direct care).
- Haemorrhagic and ischaemic strokes (Appendix 2) have been analysed separately.
- All case-mix analysis uses the version 3 AN-SNAP class (Appendix 3), introduced January 2012. Casemix adjustment is against your NATIONAL data.
- Appendix 1 (Glossary) contains definitions of concepts referred to in this report. An understanding of these will help with interpretation of the data.
- Unit of counting is by episode, not by patient.

Stroke impairment codes

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 body involvement
- 1.14 – Haemorrhagic - No Paresis
- 1.19 – Haemorrhagic - Other stroke
- 1.21 – Ischaemic - Left body involvement
- 1.22 – Ischaemic - Right body involvement
- 1.23 – Ischaemic - Bilateral body involvement
- 1.24 – Ischaemic - No Paresis
- 1.29 – Ischaemic - Other stroke

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

Stroke AN-SNAP classes

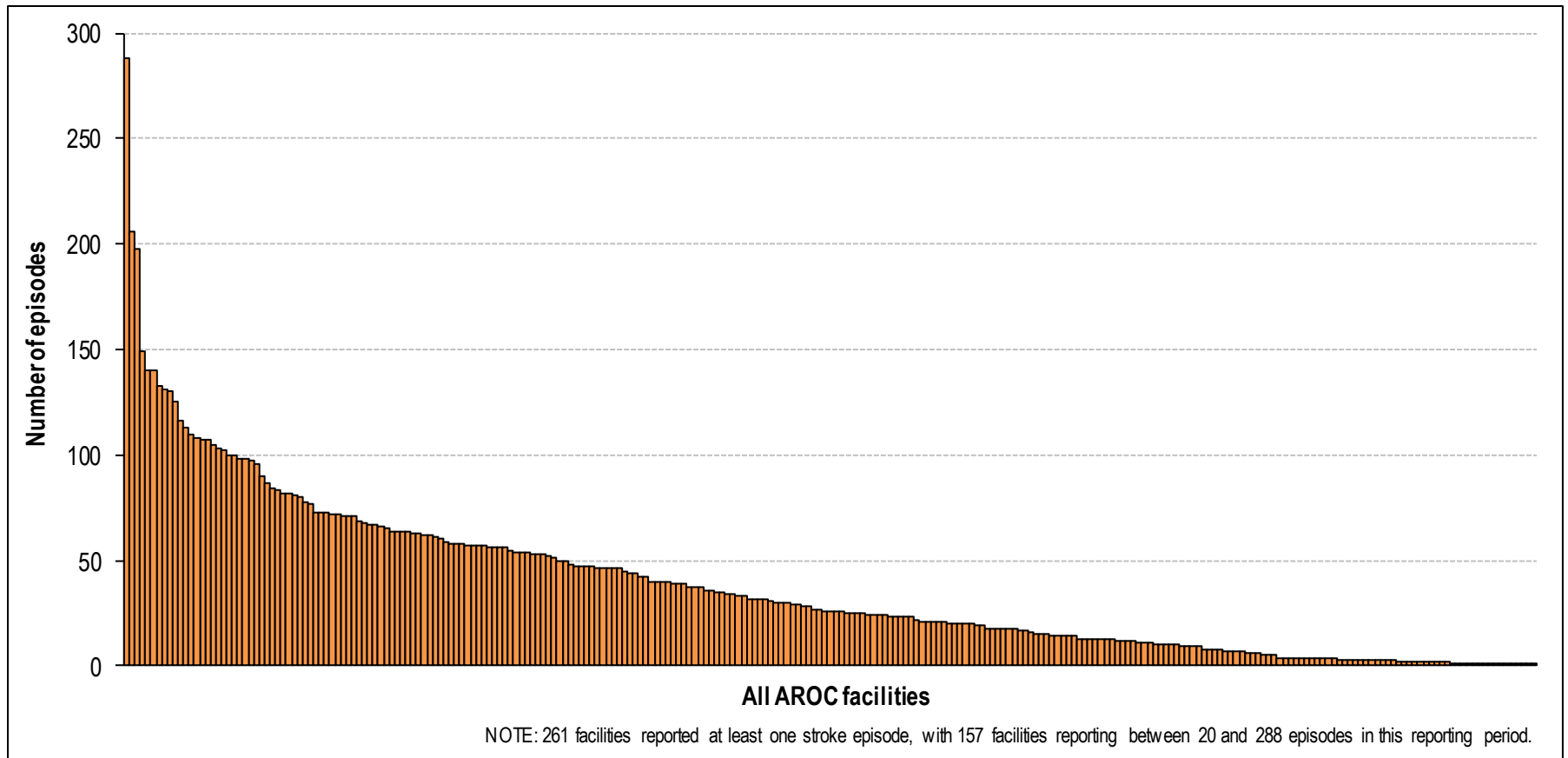
Levels of functioning for stroke are categorised by the following version 3 AN-SNAP classes:

- ❖ S2-204 Stroke, Motor 63-91, Cognitive 20-35
- ❖ S2-205 Stroke, Motor 63-91, Cognitive 5-19
- ❖ S2-206 Stroke, Motor 47-62, Cognitive 16-35
- ❖ S2-207 Stroke, Motor 47-62, Cognitive 5-15
- ❖ S2-208 Stroke, Motor 14-46, Age ≥ 75
- ❖ S2-209 Stroke, Motor 14-46, Age ≤ 74

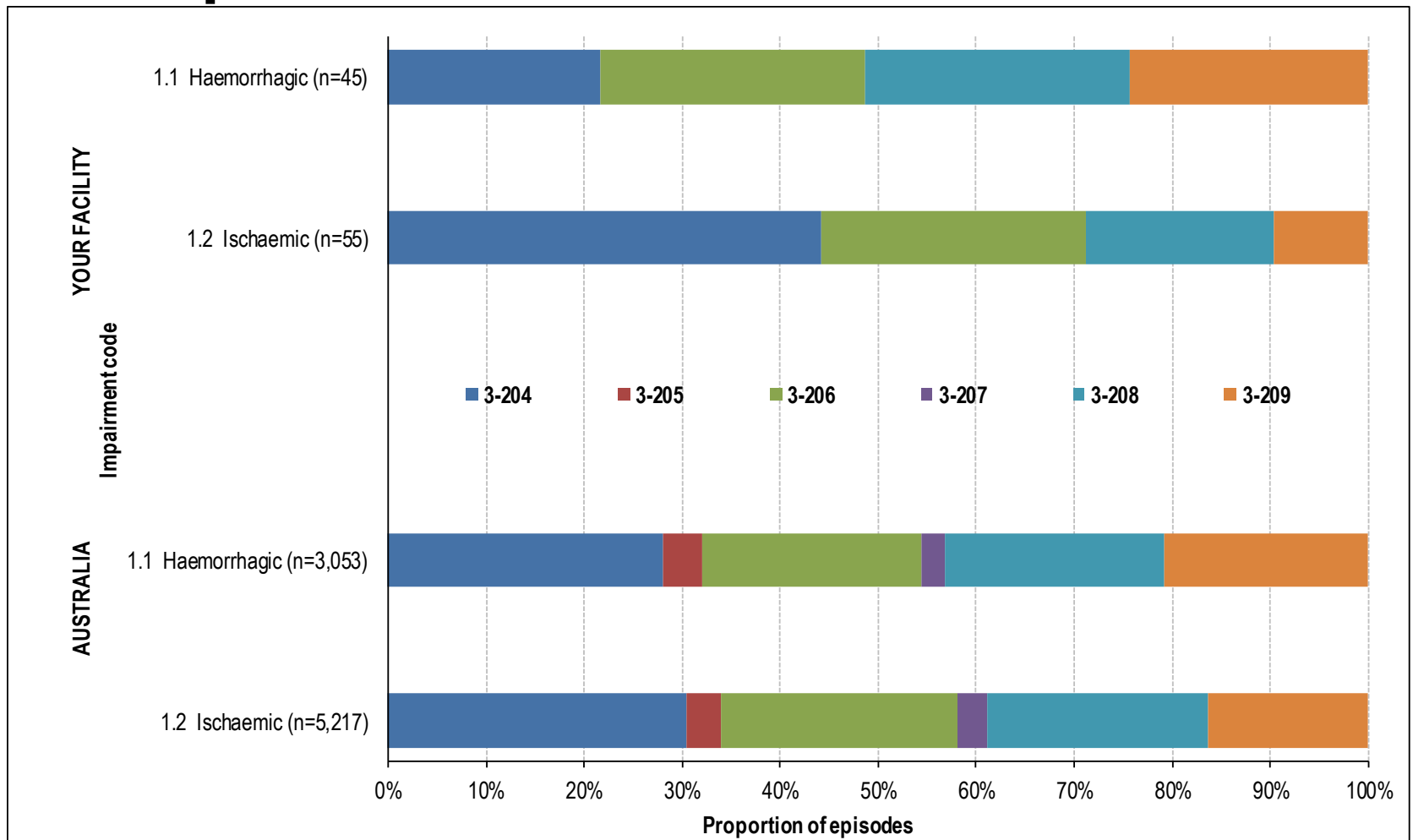
NOTE: A list of all AN SNAP classes can be found in Appendix 3

The BIG picture

Volume of episodes by facilities treating stroke (discharges in Jan-Dec 2014)



Proportion of episodes by impairment code and AN-SNAP class

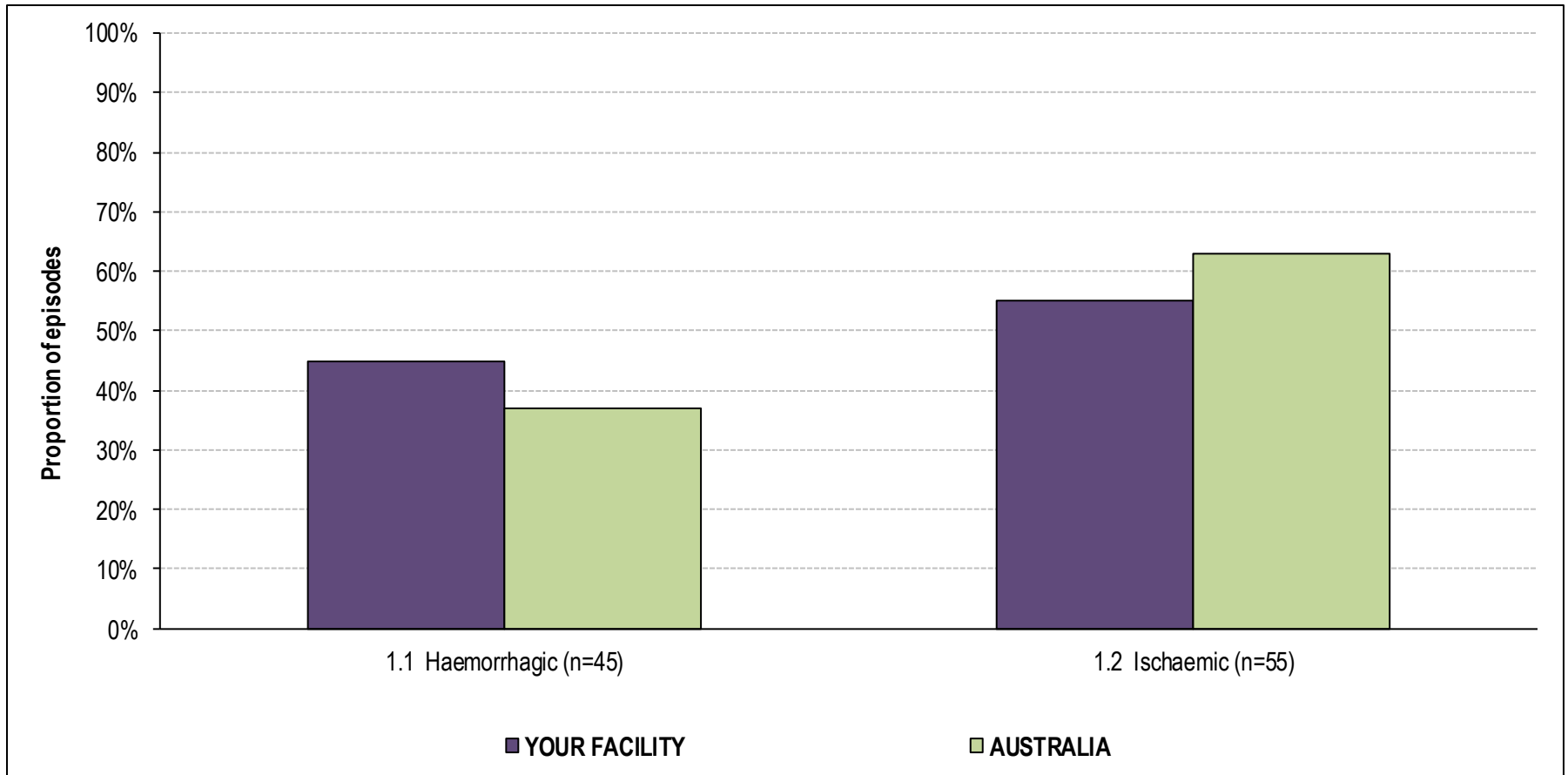


Episodes by impairment code and AN-SNAP class

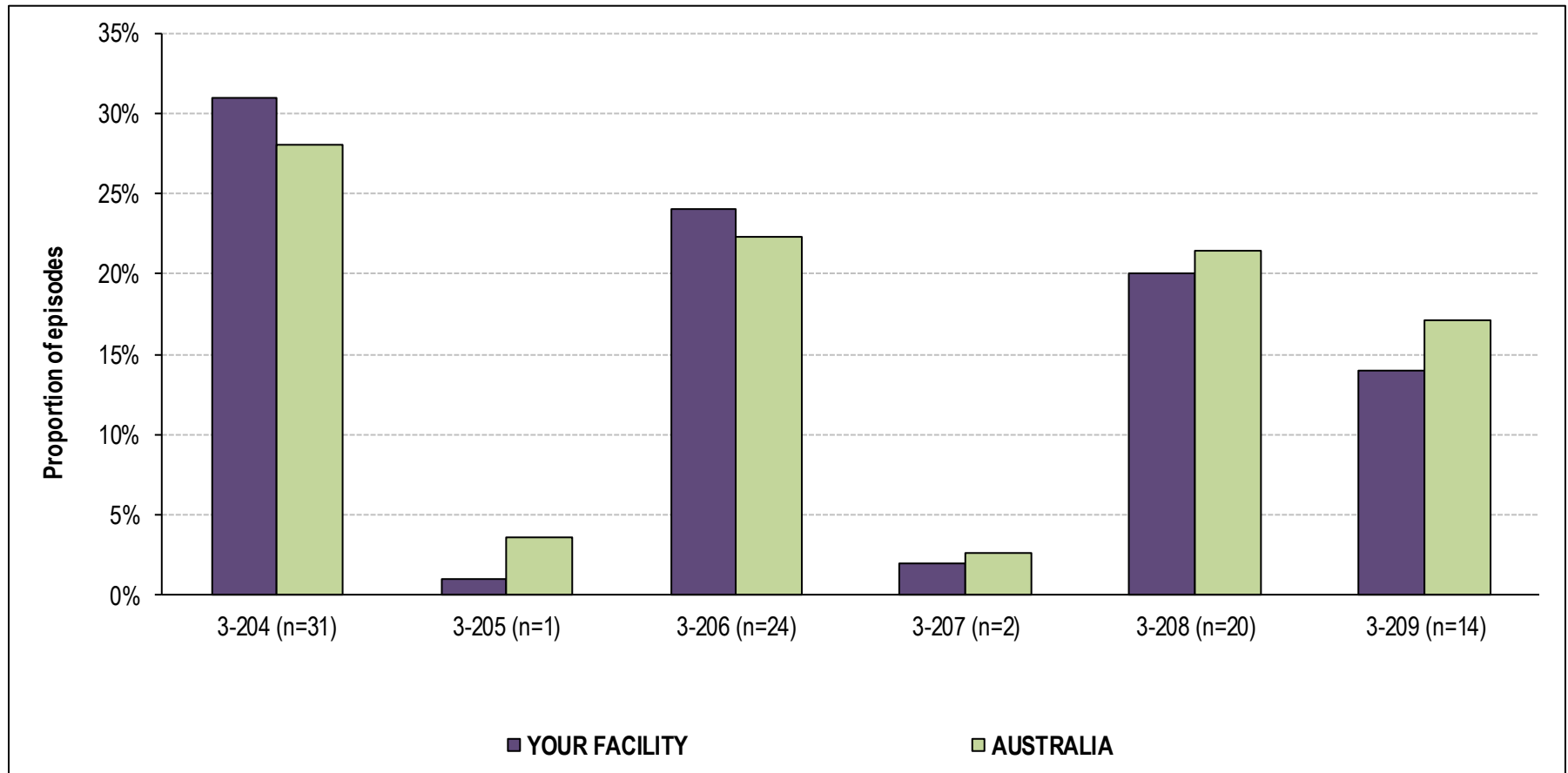
YOUR FACILITY — N (%)			
AN-SNAP class	1.1 Haemorrhagic	1.2 Ischaemic	All Stroke impairments
3-204 (FIM motor 63-91, FIM cognition 20-35)	8 (17.8%)	23 (41.8%)	31 (31.0%)
3-205 (FIM motor 63-91, FIM cognition 5-19)	0 (0.0%)	1 (1.8%)	1 (1.0%)
3-206 (FIM motor 47-62, FIM cognition 16-35)	10 (22.2%)	14 (25.5%)	24 (24.0%)
3-207 (FIM motor 47-62, FIM cognition 5-15)	1 (2.2%)	1 (1.8%)	2 (2.0%)
3-208 (FIM motor 14-46, age>=75)	10 (22.2%)	10 (18.2%)	20 (20.0%)
3-209 (FIM motor 14-46, age<=74)	9 (20.0%)	5 (9.1%)	14 (14.0%)
All Stroke AN-SNAP classes**	45 (100.0%)	55 (100.0%)	100 (100.0%)
AUSTRALIA — N (%)			
AN-SNAP class	1.1 Haemorrhagic	1.2 Ischaemic	All Stroke impairments
3-204 (FIM motor 63-91, FIM cognition 20-35)	810 (26.5%)	1,514 (29.0%)	2,324 (28.1%)
3-205 (FIM motor 63-91, FIM cognition 5-19)	116 (3.8%)	177 (3.4%)	293 (3.5%)
3-206 (FIM motor 47-62, FIM cognition 16-35)	647 (21.2%)	1,196 (22.9%)	1,843 (22.3%)
3-207 (FIM motor 47-62, FIM cognition 5-15)	70 (2.3%)	148 (2.8%)	218 (2.6%)
3-208 (FIM motor 14-46, age>=75)	648 (21.2%)	1,123 (21.5%)	1,771 (21.4%)
3-209 (FIM motor 14-46, age<=74)	600 (19.7%)	814 (15.6%)	1,414 (17.1%)
All Stroke AN-SNAP classes**	3,053 (100.0%)	5,217 (100.0%)	8,270 (100.0%)

** There were 8 episodes in YOUR FACILITY and 407 episodes in AUSTRALIA with AN-SNAP classes 3-203 or 3-902

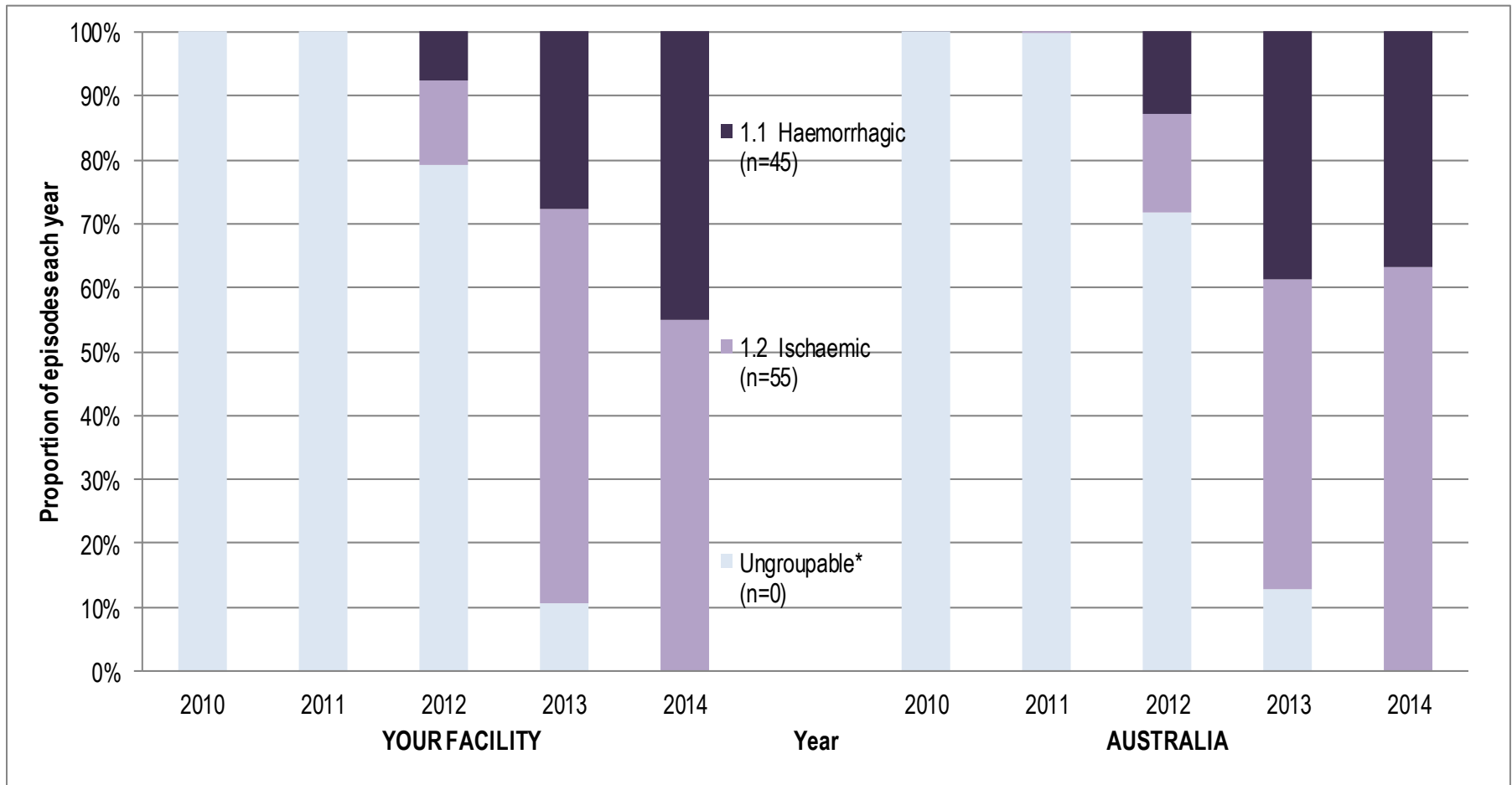
Proportion of episodes by impairment code



Proportion of episodes by AN-SNAP class



Proportion of episodes by impairment code over time



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

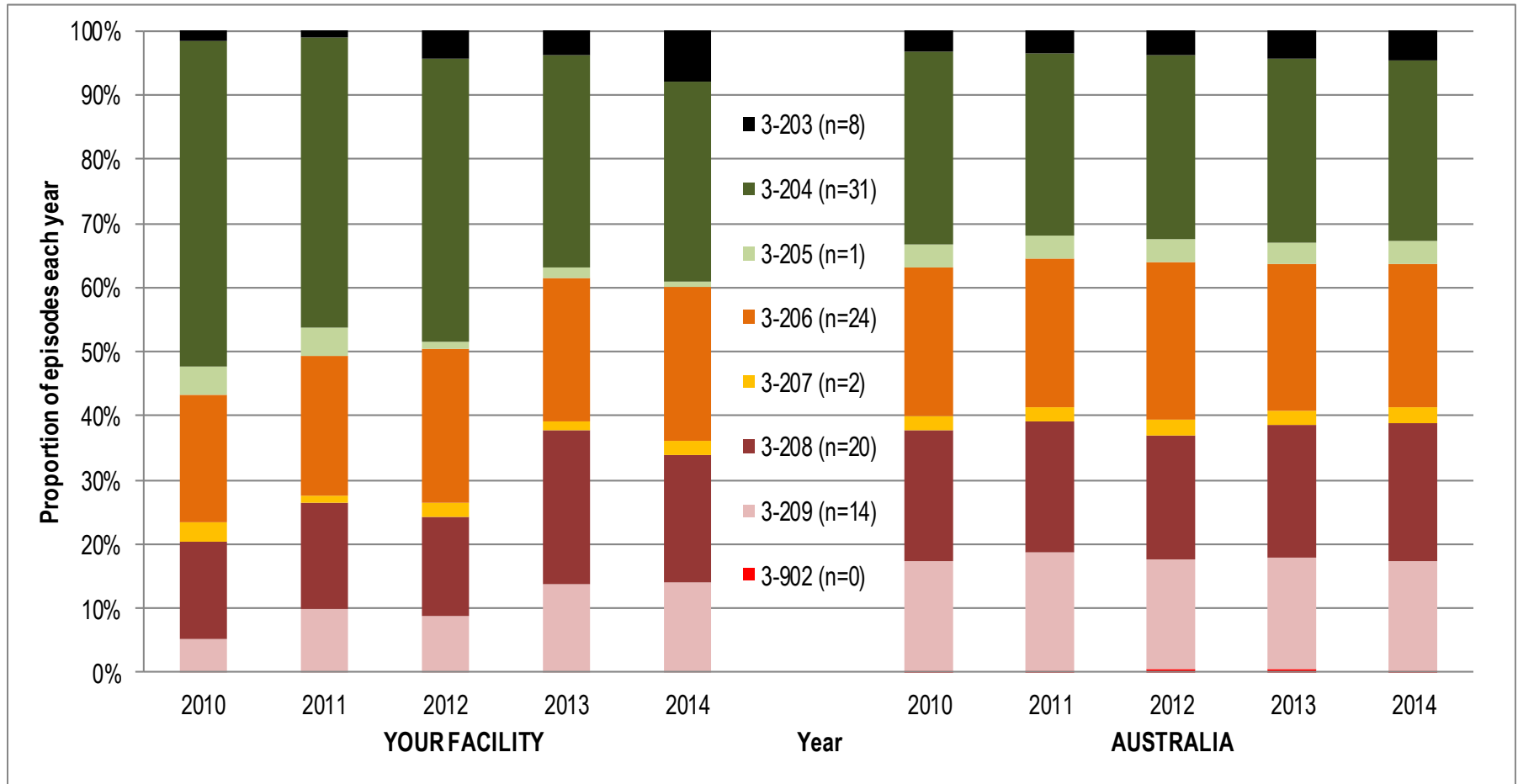
Episodes by impairment code over time

Impairment	YOUR FACILITY					AUSTRALIA				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
1.1 Haemorrhagic	0	0	7	36	45	1	0	897	3,142	3,053
1.2 Ischaemic	0	0	12	80	55	0	5	1,096	3,921	5,217
Ungroupable*	132	91	72	14	0	6,296	6,504	5,065	1,045	0
All Stroke impairments	132	91	91	130	100	6,297	6,509	7,058	8,108	8,270

Impairment	YOUR FACILITY					AUSTRALIA				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
1.1 Haemorrhagic	0.0%	0.0%	7.7%	27.7%	45.0%	0.0%	0.0%	12.7%	38.8%	36.9%
1.2 Ischaemic	0.0%	0.0%	13.2%	61.5%	55.0%	0.0%	0.1%	15.5%	48.4%	63.1%
Ungroupable*	100.0%	100.0%	79.1%	10.8%	0.0%	100.0%	99.9%	71.8%	12.9%	0.0%
All Stroke impairments	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

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

Proportion of episodes by AN-SNAP class over time



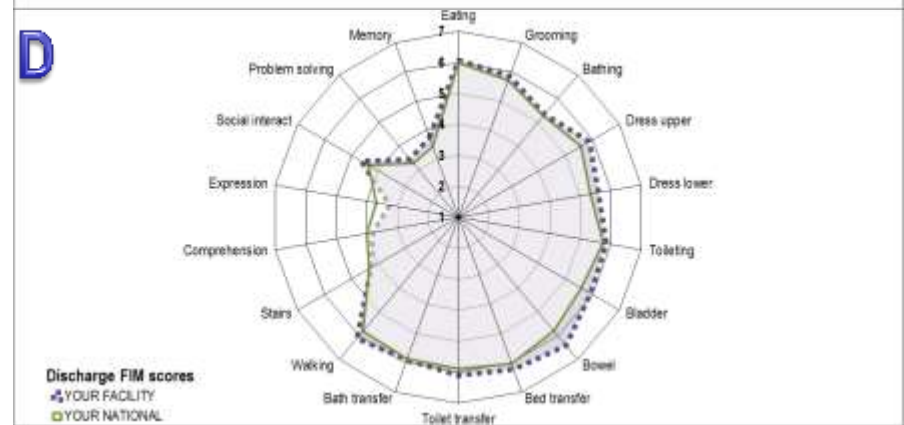
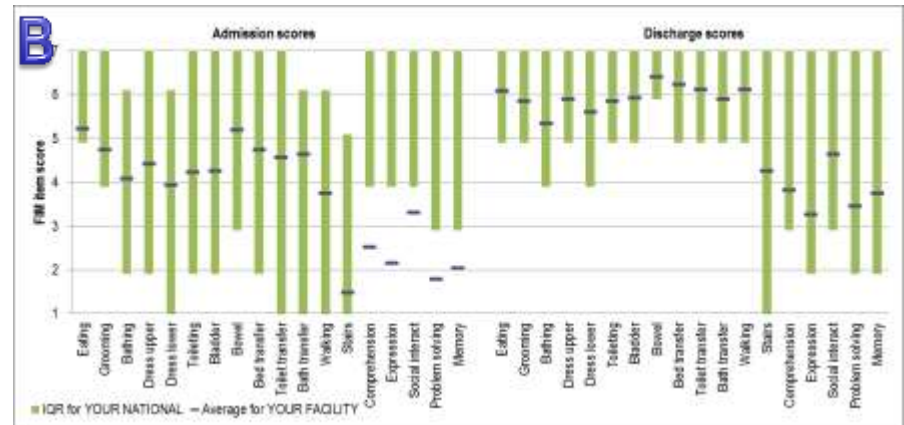
Episodes by AN-SNAP class over time

AN-SNAP class	YOUR FACILITY					AUSTRALIA				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
3-203 (FIM motor 13)	2	1	4	5	8	208	230	263	340	390
3-204 (FIM motor 63-91, FIM cognition 20-35)	67	41	40	43	31	1,895	1,856	2,029	2,329	2,324
3-205 (FIM motor 63-91, FIM cognition 5-19)	6	4	1	2	1	218	217	256	271	293
3-206 (FIM motor 47-62, FIM cognition 16-35)	26	20	22	29	24	1,458	1,510	1,728	1,857	1,843
3-207 (FIM motor 47-62, FIM cognition 5-15)	4	1	2	2	2	137	141	172	178	218
3-208 (FIM motor 14-46, age>=75)	20	15	14	31	20	1,282	1,332	1,362	1,692	1,771
3-209 (FIM motor 14-46, age<=74)	7	9	8	18	14	1,083	1,208	1,220	1,401	1,414
3-902 (Data error - ungroupable)	0	0	0	0	0	16	15	28	40	17
All Stroke AN-SNAP classes	132	91	91	130	100	6,297	6,509	7,058	8,108	8,270

AN-SNAP class	YOUR FACILITY					AUSTRALIA				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
3-203 (FIM motor 13)	1.5%	1.1%	4.4%	3.8%	8.0%	3.3%	3.5%	3.7%	4.2%	4.7%
3-204 (FIM motor 63-91, FIM cognition 20-35)	50.8%	45.1%	44.0%	33.1%	31.0%	30.1%	28.5%	28.7%	28.7%	28.1%
3-205 (FIM motor 63-91, FIM cognition 5-19)	4.5%	4.4%	1.1%	1.5%	1.0%	3.5%	3.3%	3.6%	3.3%	3.5%
3-206 (FIM motor 47-62, FIM cognition 16-35)	19.7%	22.0%	24.2%	22.3%	24.0%	23.2%	23.2%	24.5%	22.9%	22.3%
3-207 (FIM motor 47-62, FIM cognition 5-15)	3.0%	1.1%	2.2%	1.5%	2.0%	2.2%	2.2%	2.4%	2.2%	2.6%
3-208 (FIM motor 14-46, age>=75)	15.2%	16.5%	15.4%	23.8%	20.0%	20.4%	20.5%	19.3%	20.9%	21.4%
3-209 (FIM motor 14-46, age<=74)	5.3%	9.9%	8.8%	13.8%	14.0%	17.2%	18.6%	17.3%	17.3%	17.1%
3-902 (Data error - ungroupable)	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.2%	0.4%	0.5%	0.2%
All Stroke AN-SNAP classes	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Review of FIM item scoring by AN-SNAP class

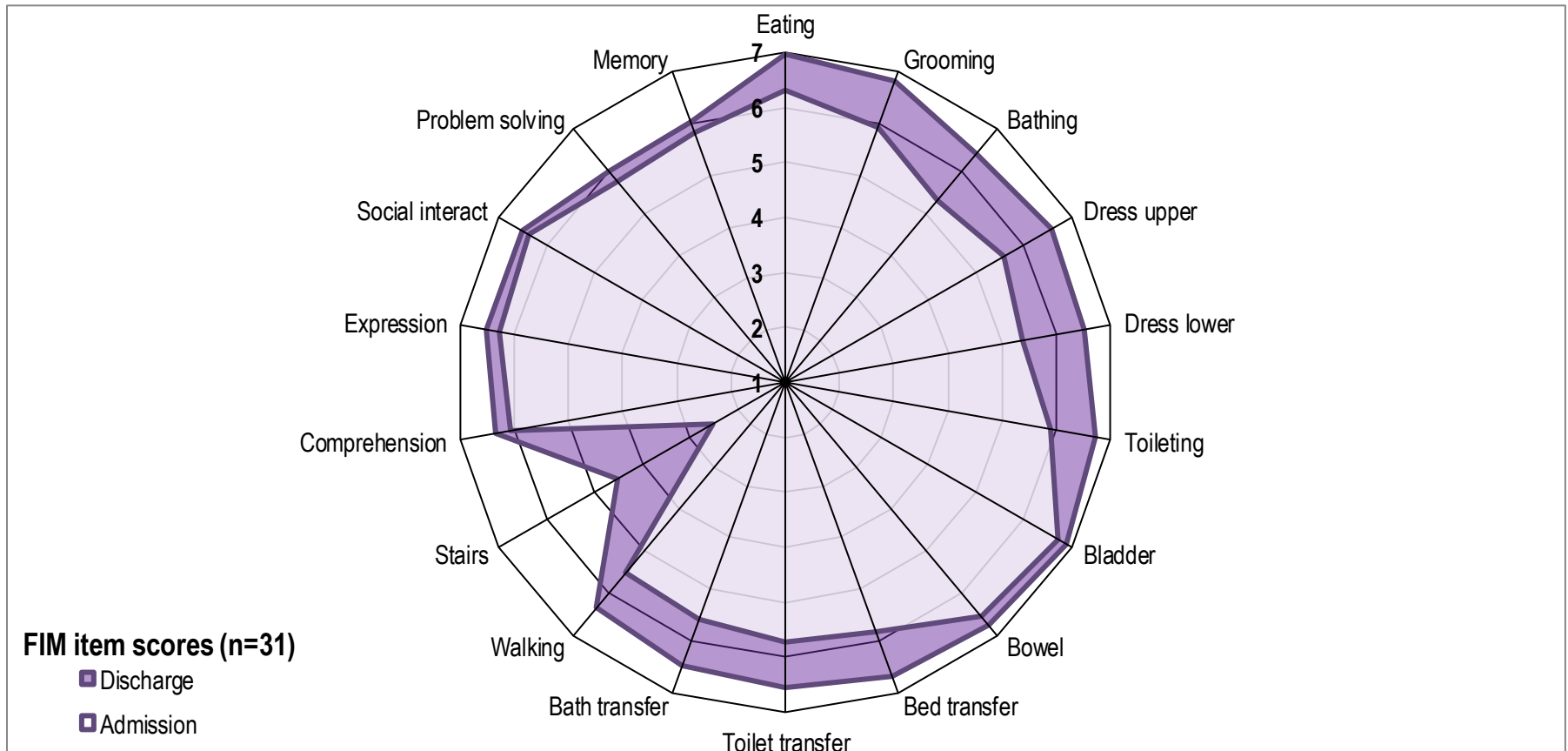
Interpreting your comparative FIM scoring charts



The FIM splat provides a graphic presentation of functional status in a radar chart. The 18 FIM items are arranged in order as 'spokes' of a wheel and the scoring levels from 1 (total dependence) to 7 (total independence) run from the centre outwards. The mean FIM item score for each item is indicated — a perfect score would be demonstrated as a large circle. The first FIM splat used in this report illustrates the FIM score change from admission to discharge at YOUR FACILITY (Figure A) — the darker shaded area represents the functional improvement at YOUR FACILITY (i.e. the difference between the mean scores on admission and discharge). The next two FIM splats compare FIM scoring on admission (Figure C) and discharge (Figure D) between YOUR FACILITY and your NATIONAL data — differences in the two shaded areas indicate differences in mean admission/discharge scoring. Figure B is a graphic presentation of YOUR FACILITY's average FIM item scores (small bar) versus your NATIONAL interquartile range of FIM scores, i.e. middle 50%, (green boxes) for each FIM item at admission and discharge — ideally YOUR FACILITY's average FIM score will lie somewhere on the IQR bar of your NATIONAL data. All graphs include only episodes with completed episodes and valid FIM scoring.

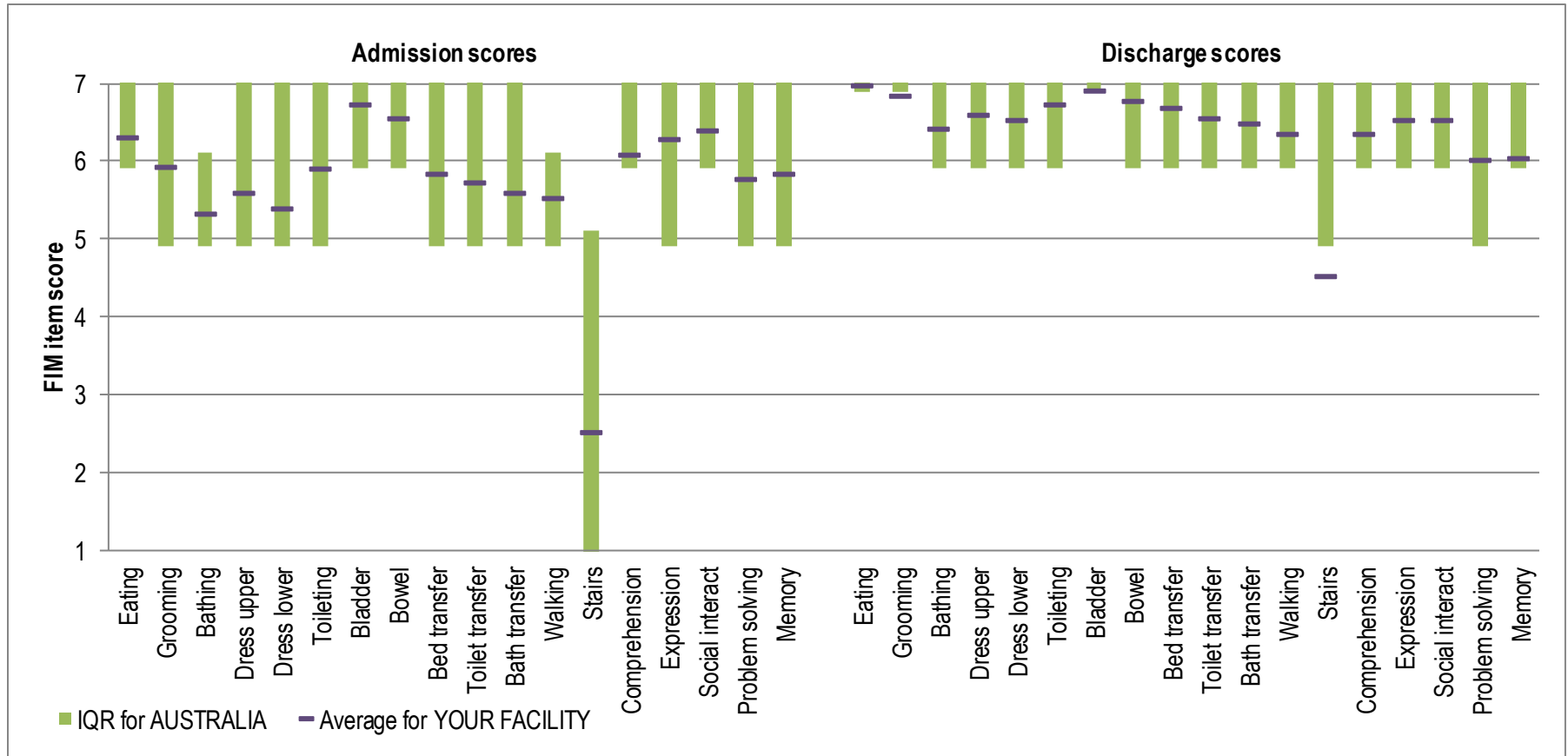
Change in FIM item scoring at YOUR FACILITY

AN-SNAP class 3-204



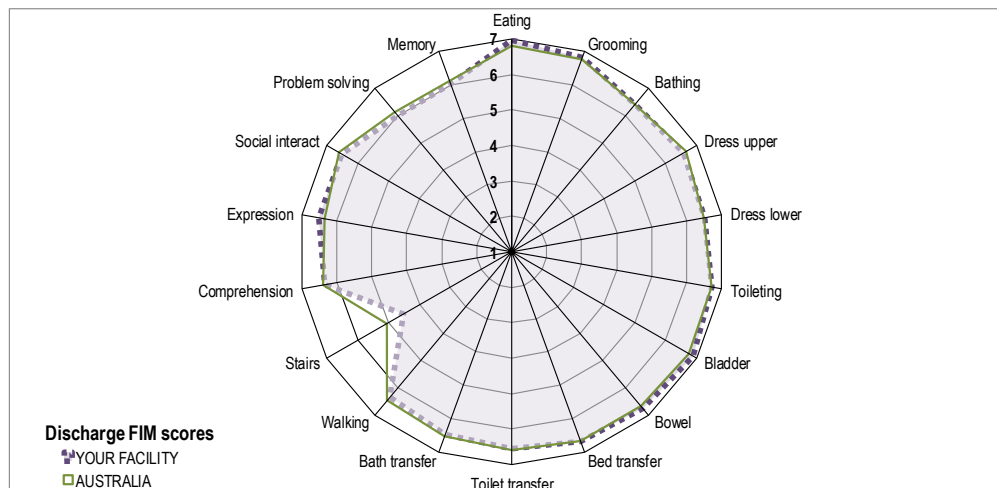
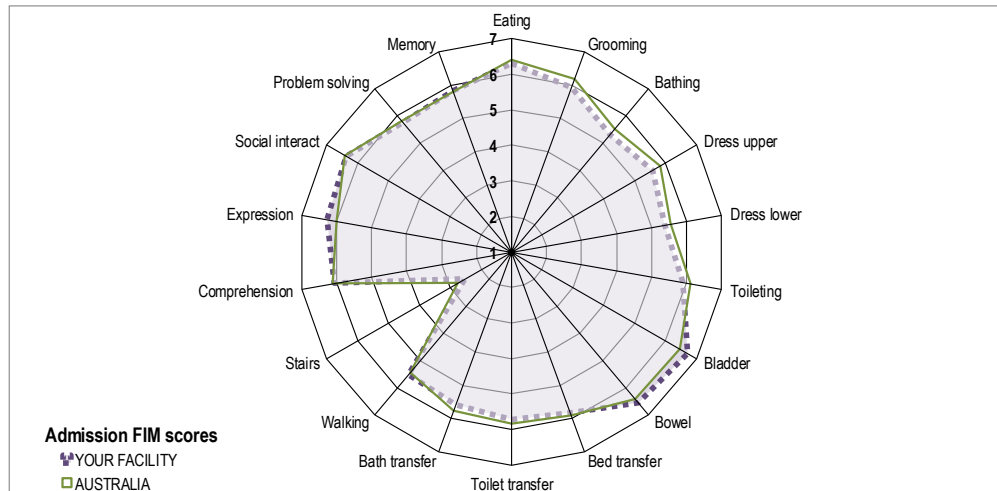
Comparative FIM item scoring

AN-SNAP class 3-204



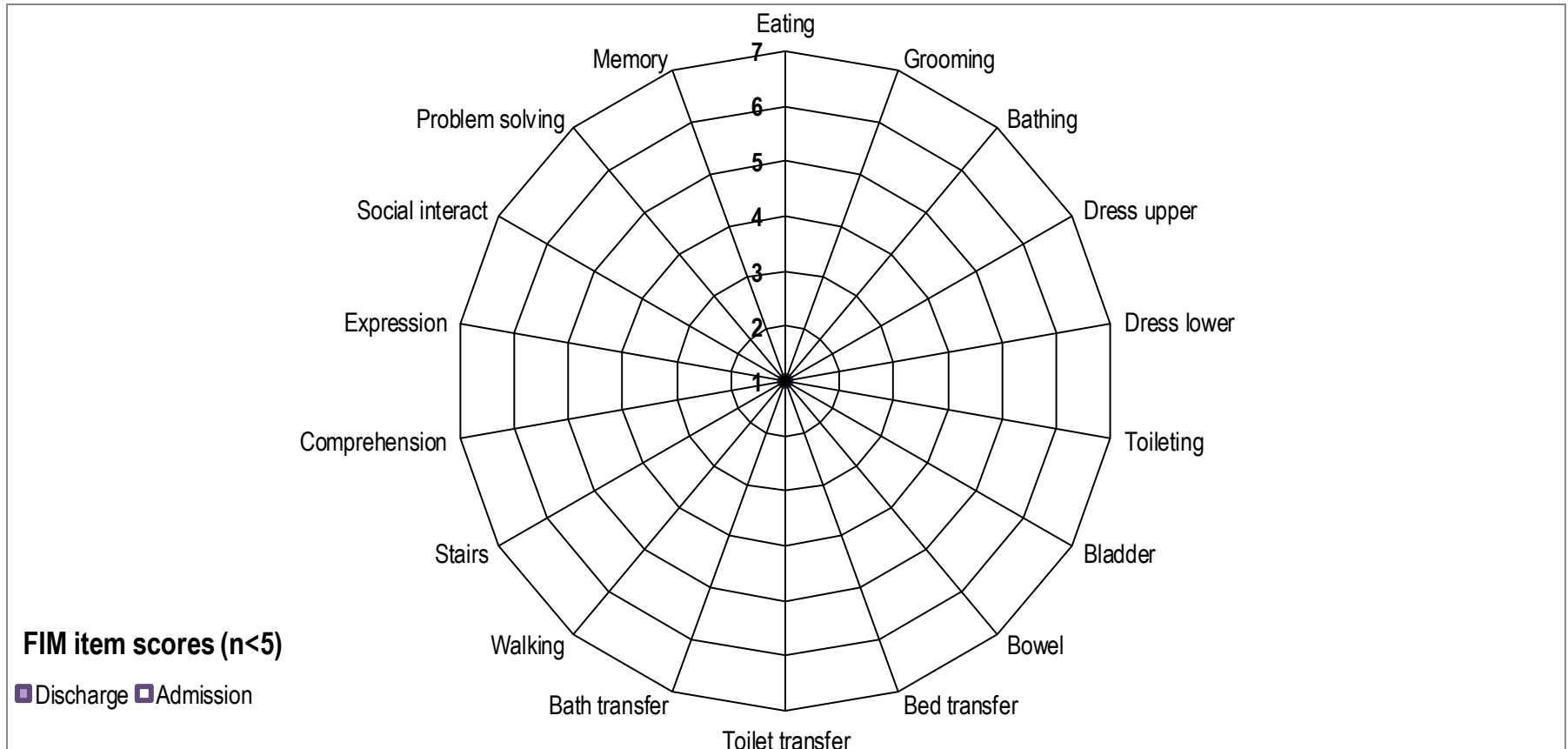
Comparative FIM item scoring

AN-SNAP class 3-204

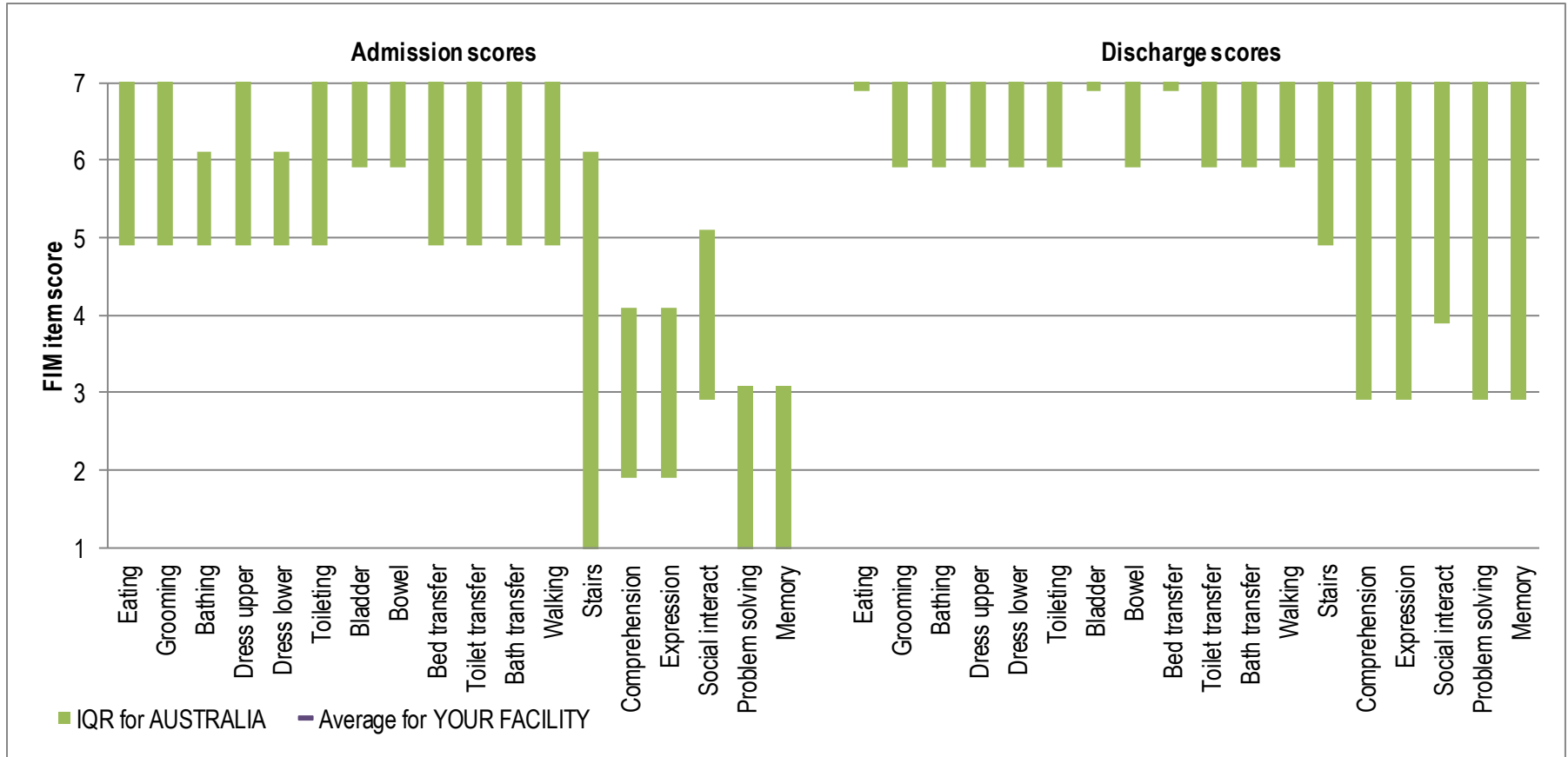


Change in FIM item scoring at YOUR FACILITY

AN-SNAP class 3-205

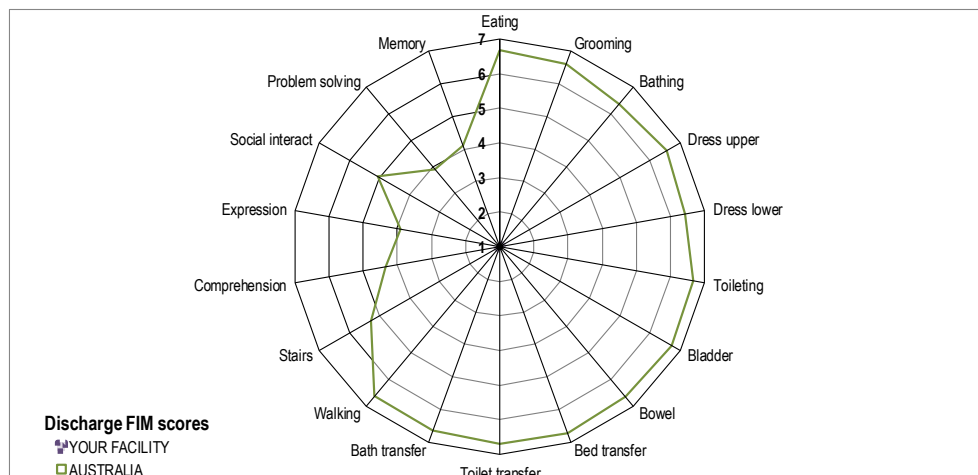


Comparative FIM item scoring AN-SNAP class 3-205



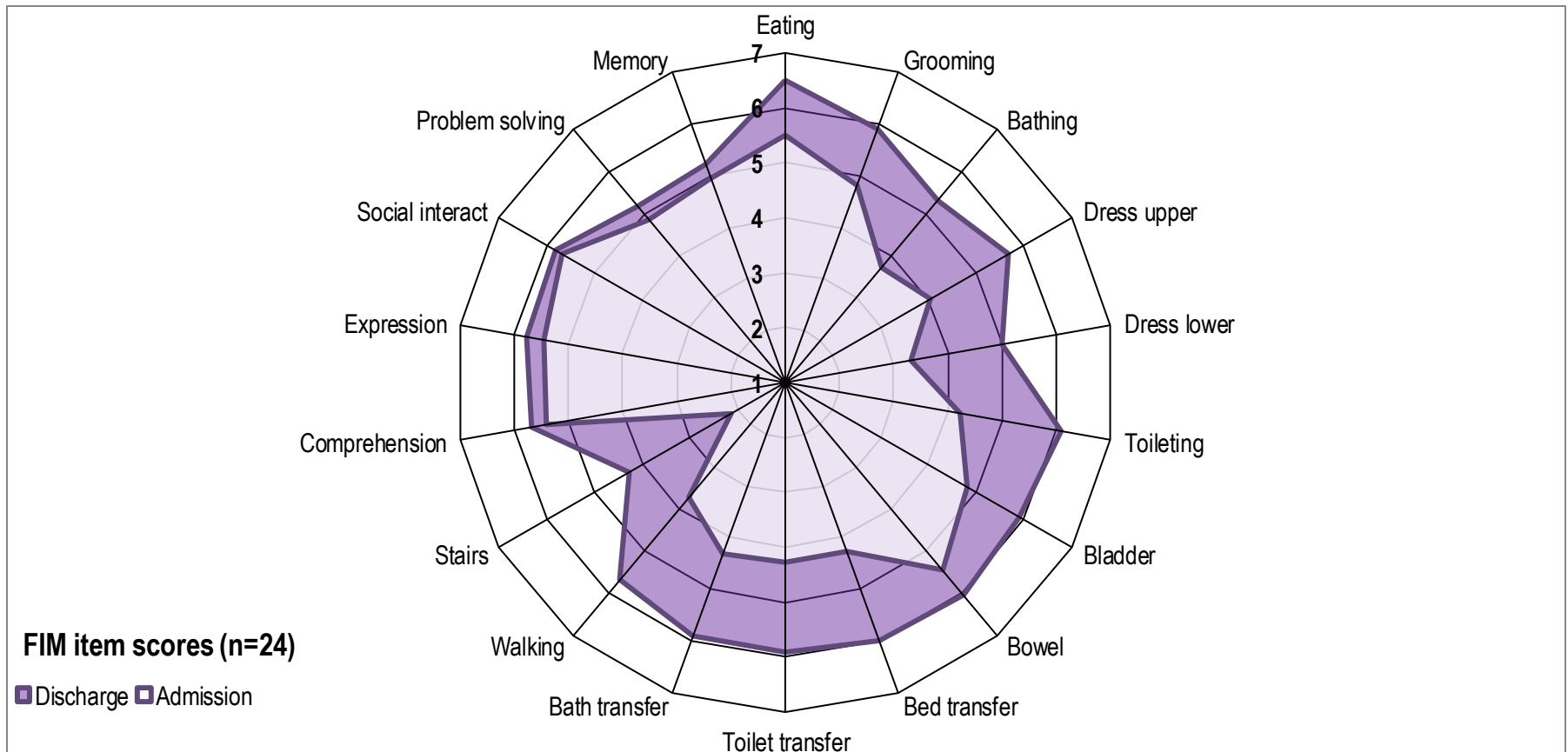
Comparative FIM item scoring

AN-SNAP class 3-205

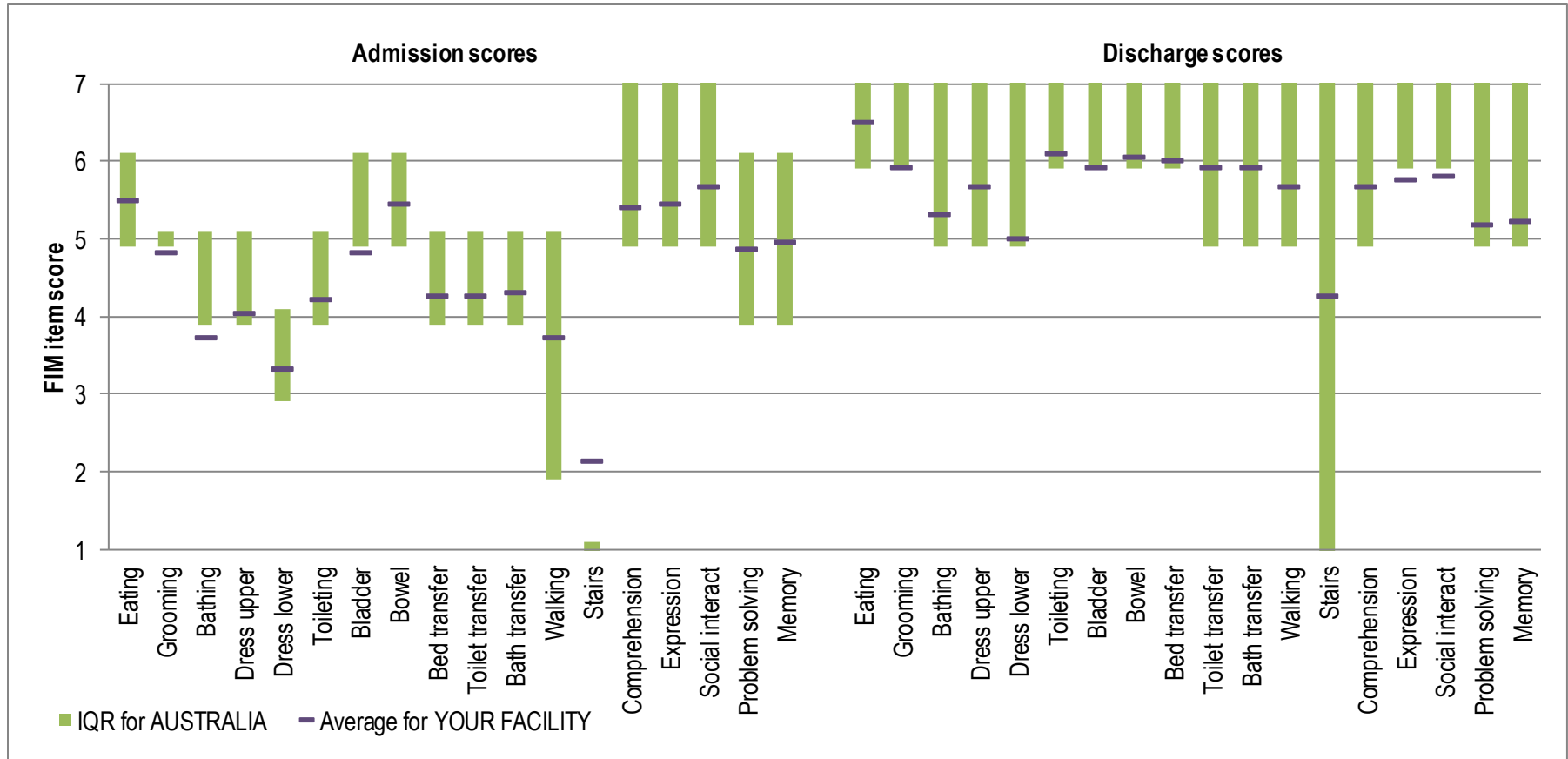


Change in FIM item scoring at YOUR FACILITY

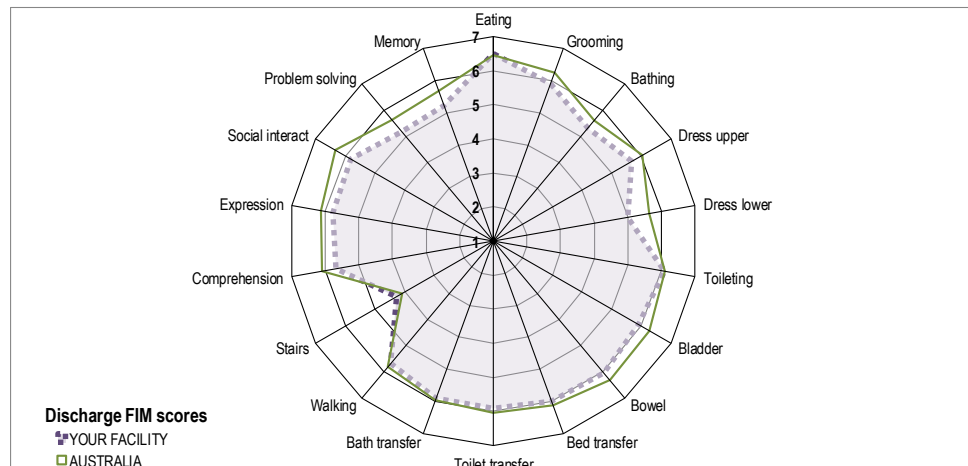
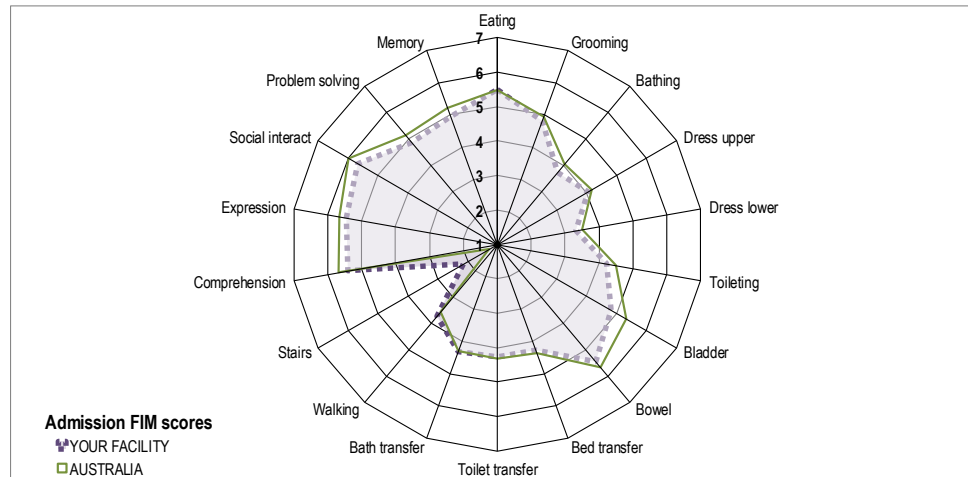
AN-SNAP class 3-206



Comparative FIM item scoring AN-SNAP class 3-206

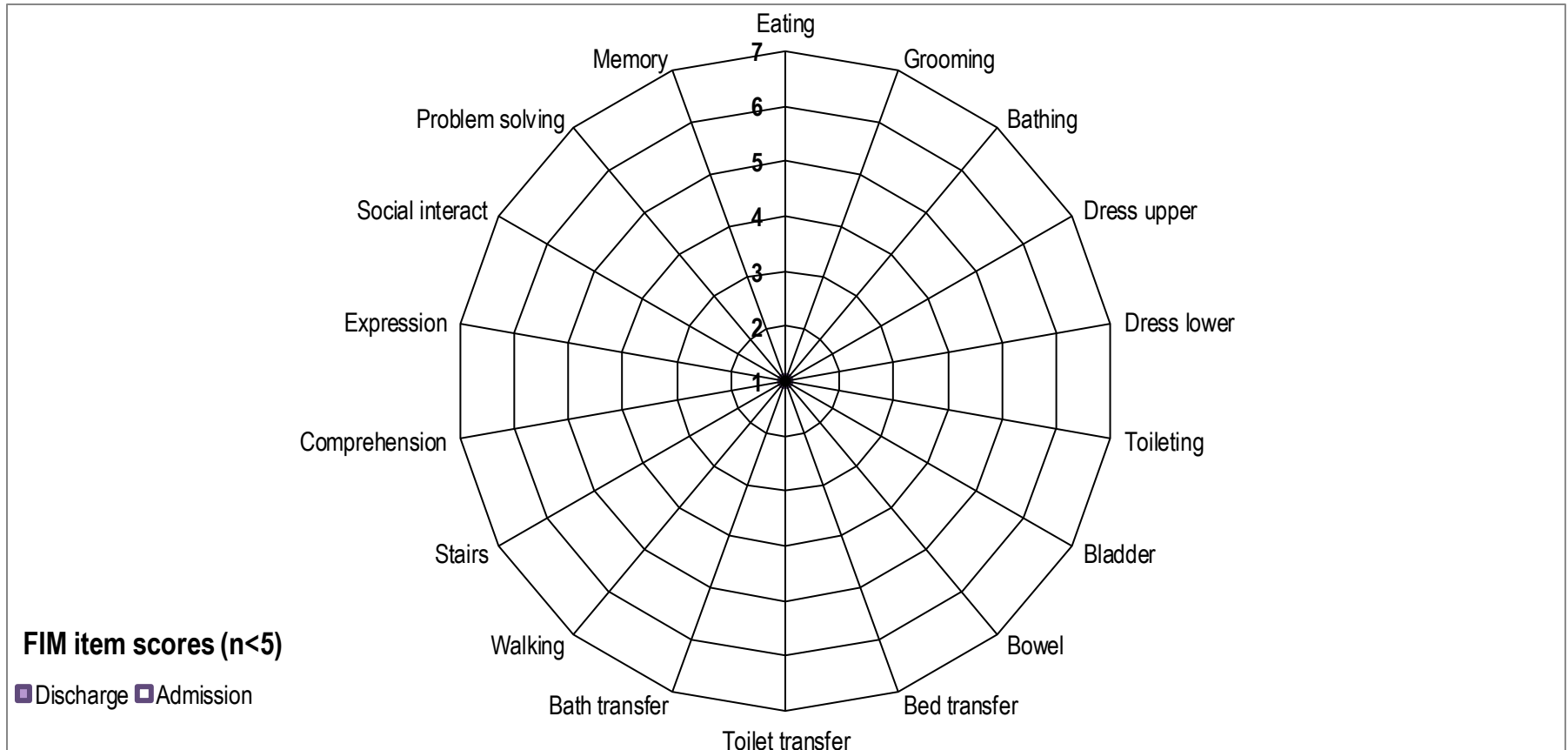


Comparative FIM item scoring AN-SNAP class 3-206

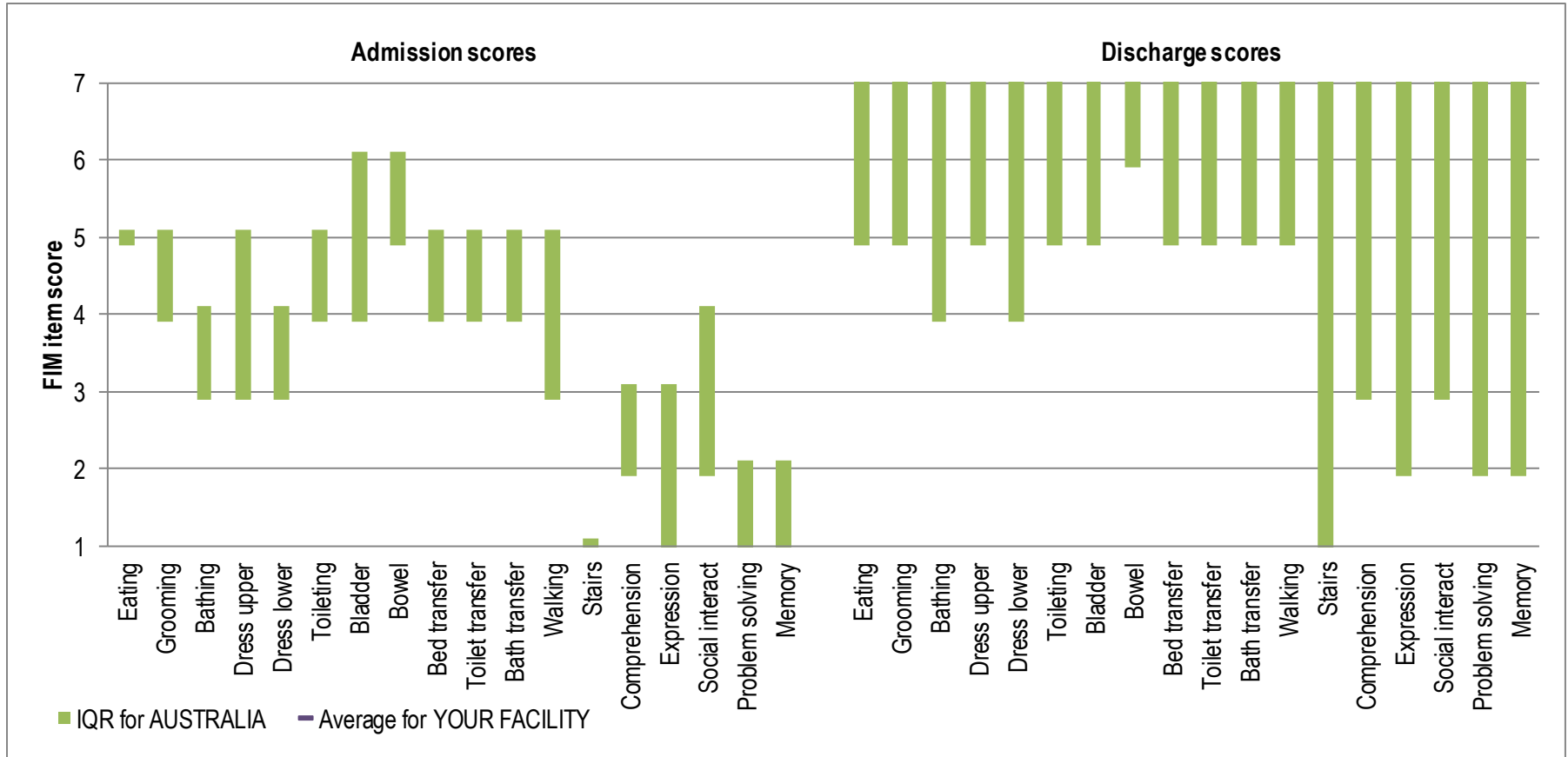


Change in FIM item scoring at YOUR FACILITY

AN-SNAP class 3-207

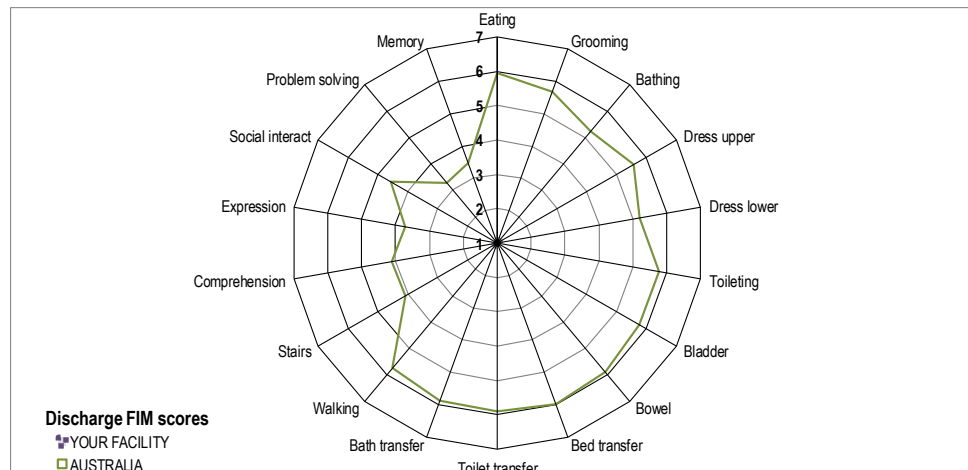
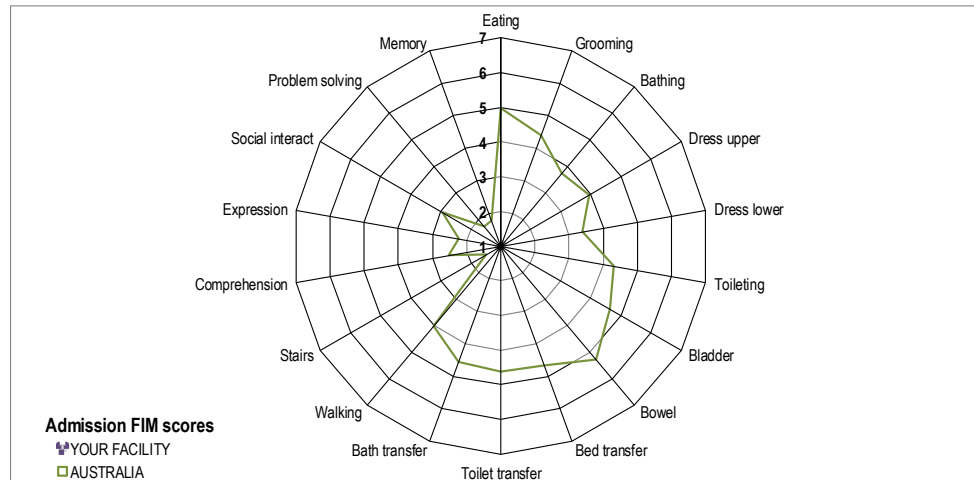


Comparative FIM item scoring AN-SNAP class 3-207



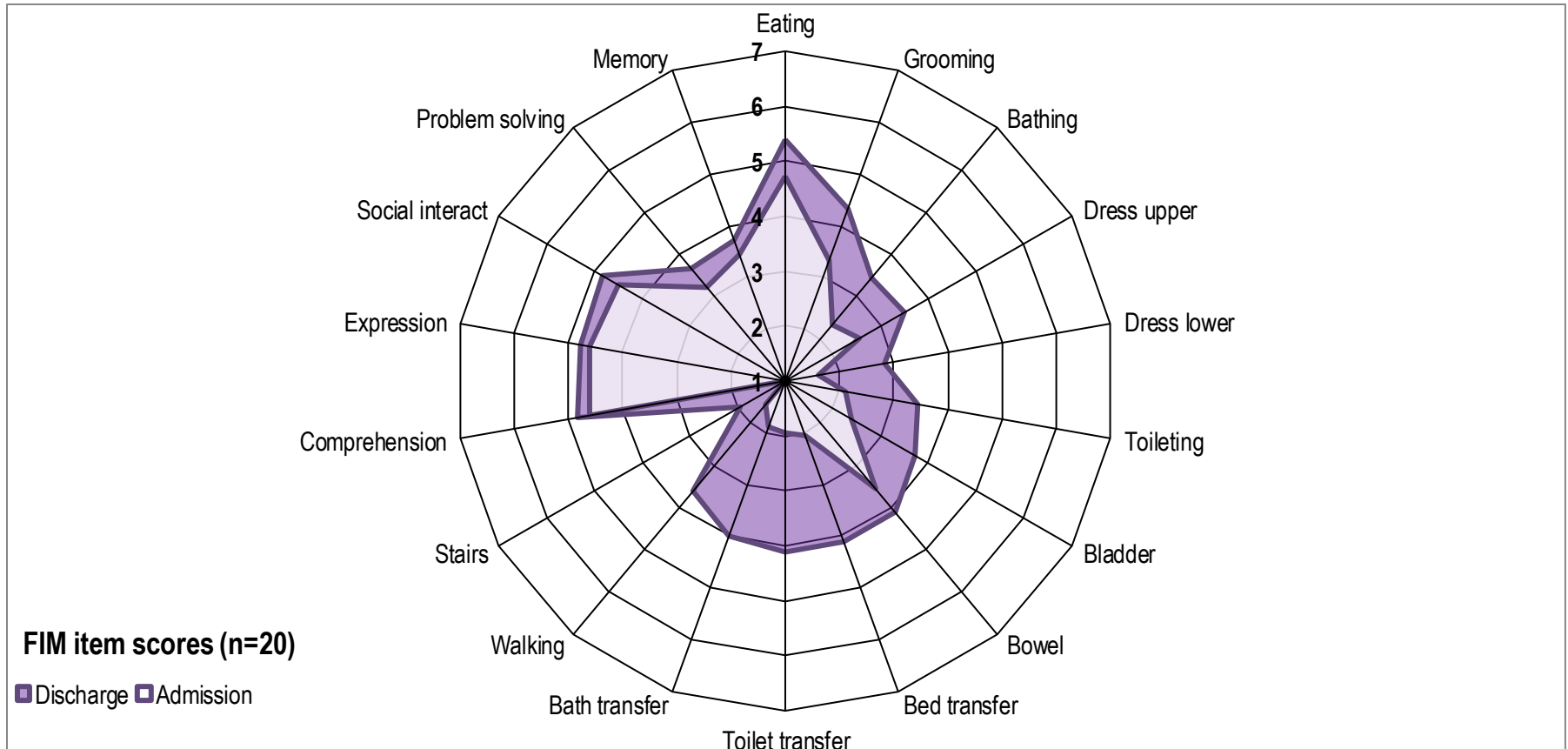
Comparative FIM item scoring

AN-SNAP class 3-207



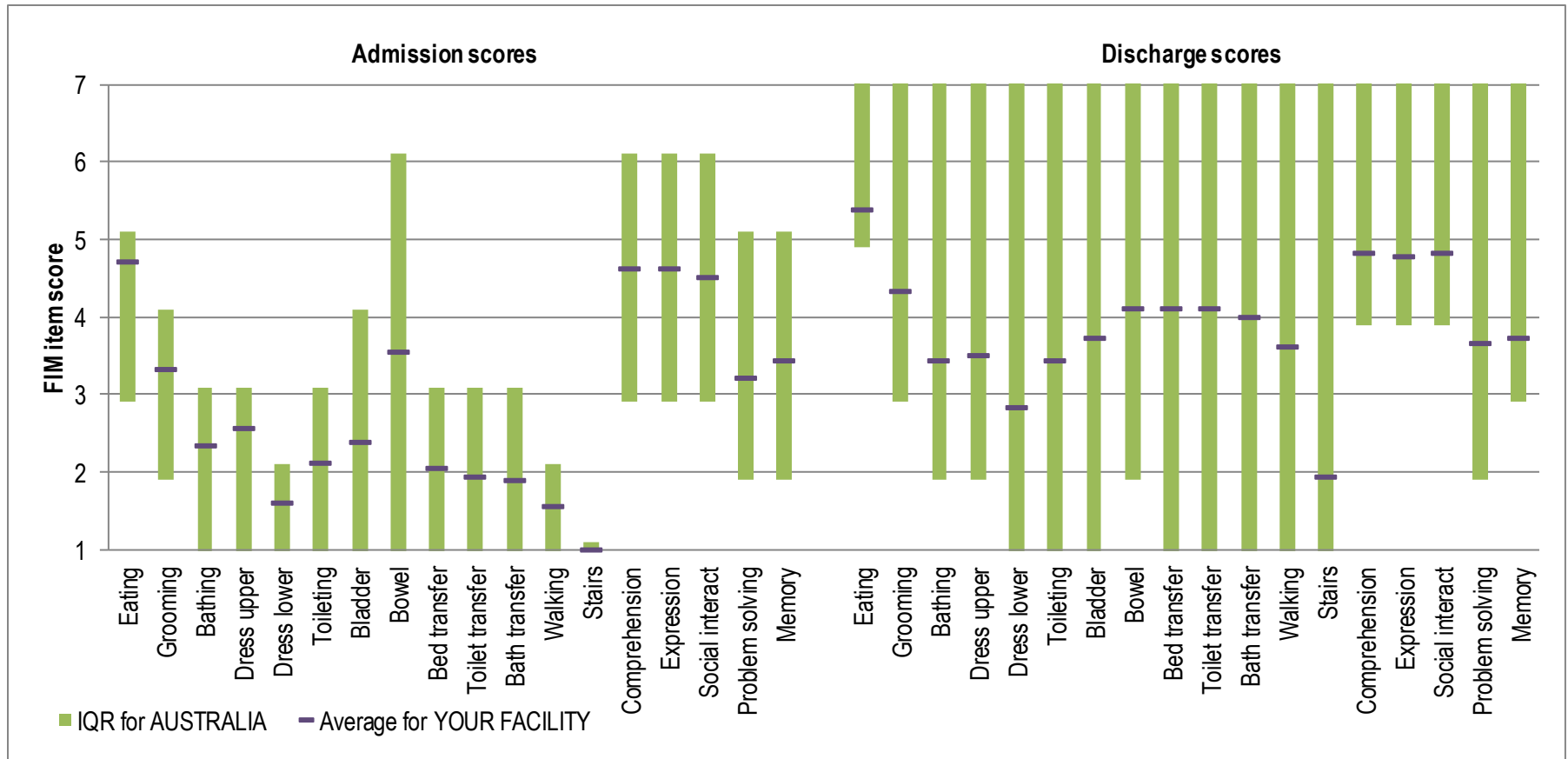
Change in FIM item scoring at YOUR FACILITY

AN-SNAP class 3-208

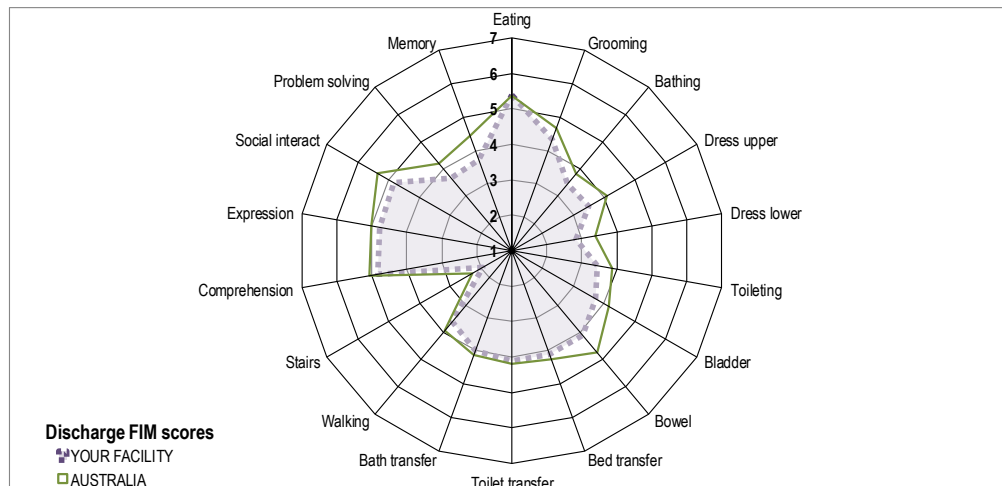
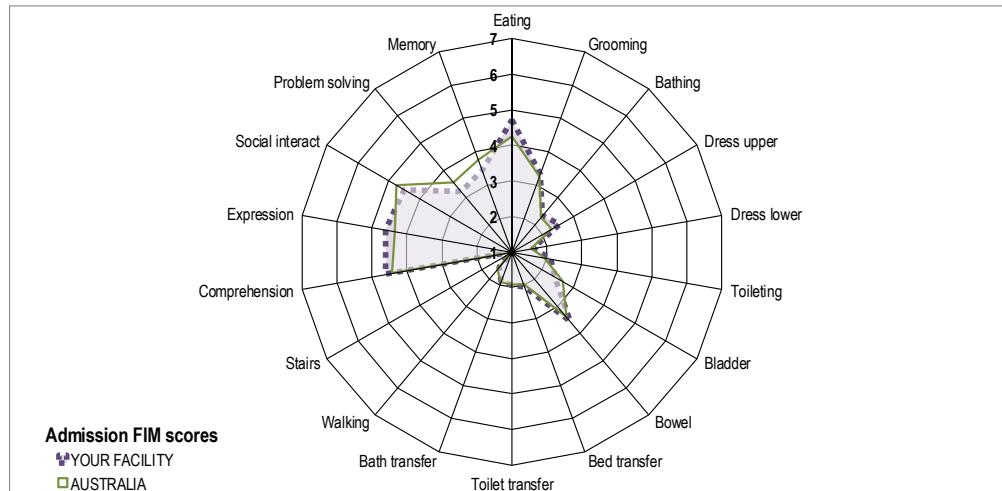


Comparative FIM item scoring

AN-SNAP class 3-208

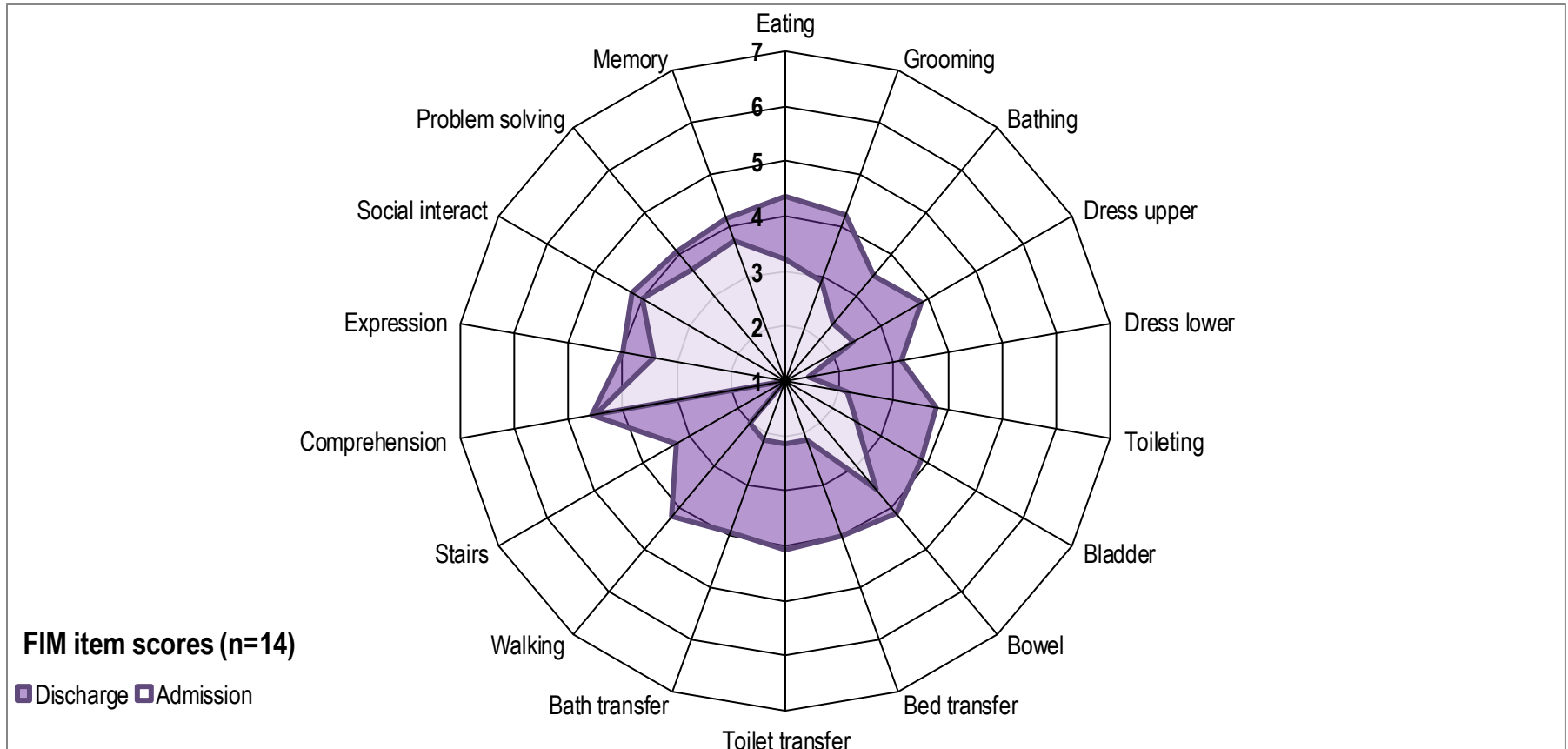


Comparative FIM item scoring AN-SNAP class 3-208

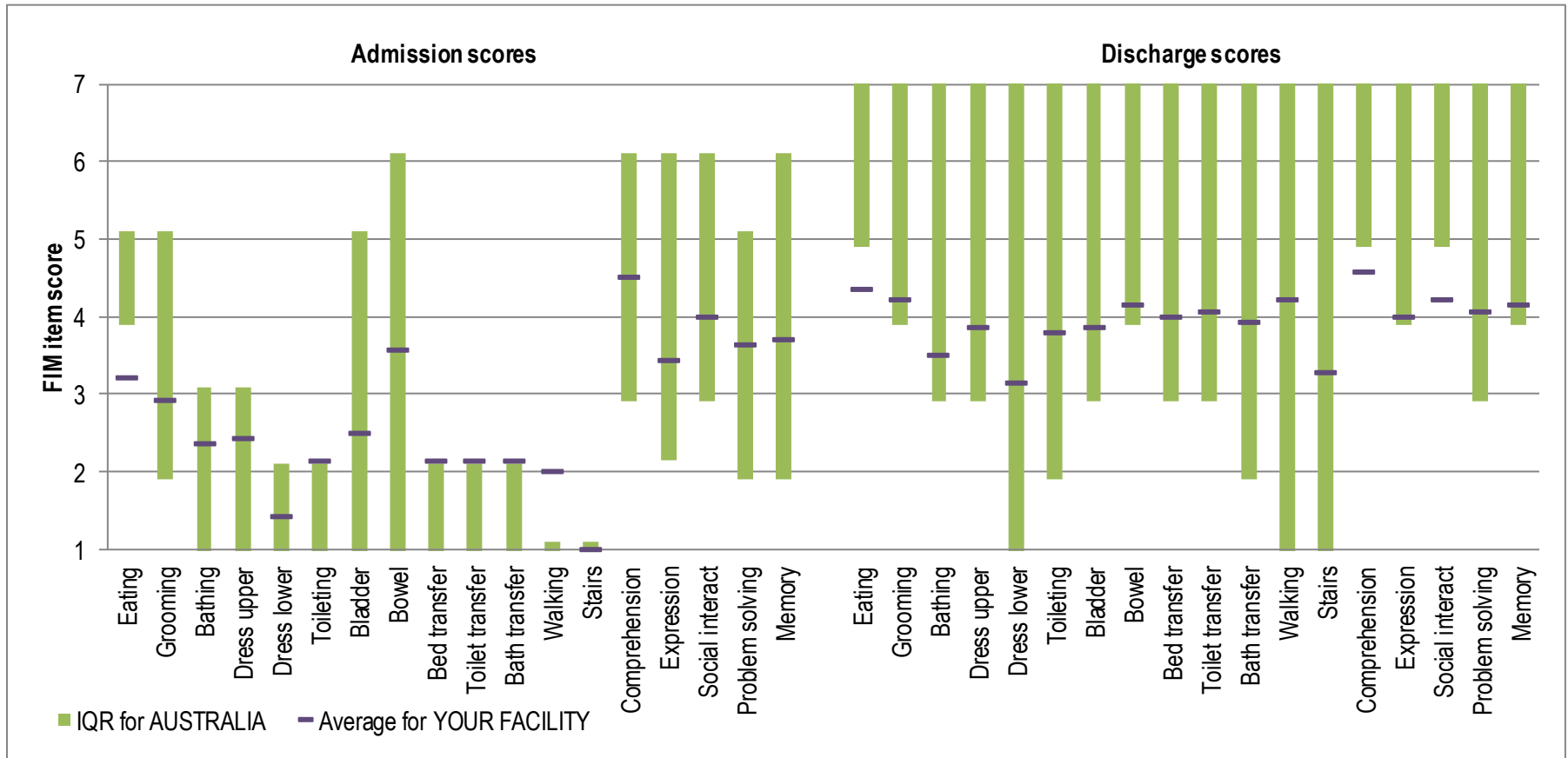


Change in FIM item scoring at YOUR FACILITY

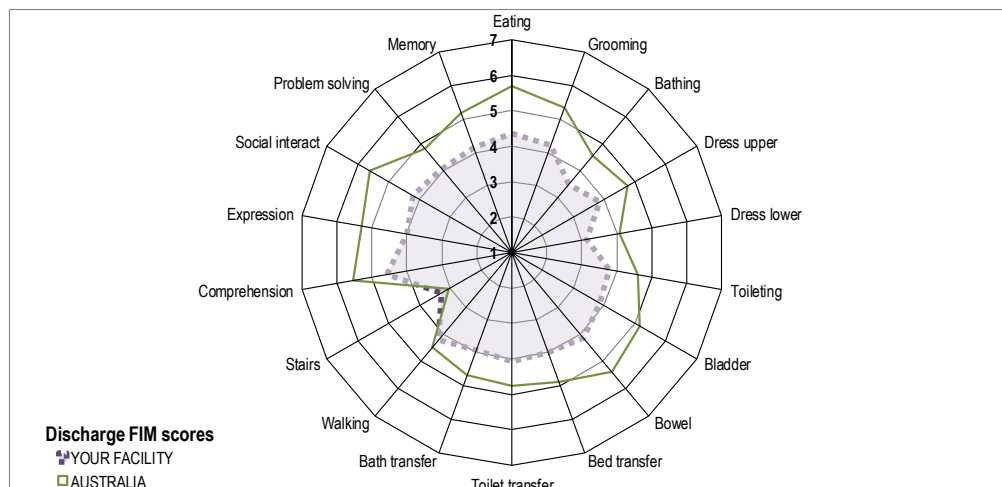
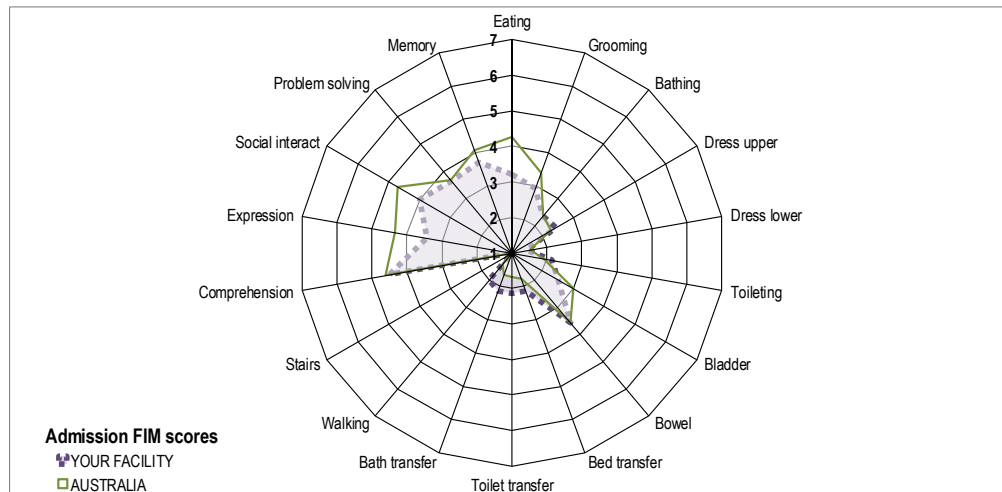
AN-SNAP class 3-209



Comparative FIM item scoring AN-SNAP class 3-209



Comparative FIM item scoring AN-SNAP class 3-209



Outcomes Analysis

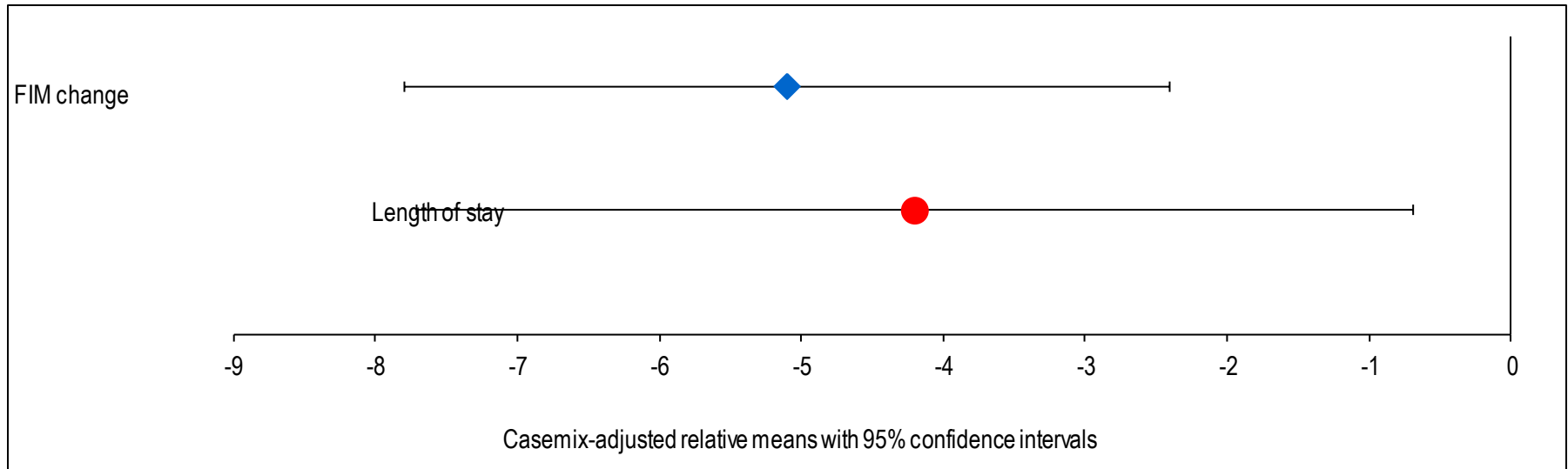
Completed episodes by impairment and AN-SNAP class

Impairment	YOUR FACILITY			AUSTRALIA		
	All episodes	Completed episodes	%Complete	All episodes	Completed episodes	%Complete
1.1 Haemorrhagic	45	41	91.1%	3,053	2,589	84.8%
1.2 Ischaemic	55	51	92.7%	5,217	4,482	85.9%
All Stroke impairments	100	92	92.0%	8,270	7,071	85.5%

AN-SNAP class	YOUR FACILITY			AUSTRALIA		
	All episodes	Completed episodes	%Complete	All episodes	Completed episodes	%Complete
3-204 (FIM motor 63-91, FIM cognition 20-35)	31	29	93.5%	2,324	2,194	94.4%
3-205 (FIM motor 63-91, FIM cognition 5-19)	1	1	100.0%	293	266	90.8%
3-206 (FIM motor 47-62, FIM cognition 16-35)	24	22	91.7%	1,843	1,677	91.0%
3-207 (FIM motor 47-62, FIM cognition 5-15)	2	2	100.0%	218	187	85.8%
3-208 (FIM motor 14-46, age>=75)	20	18	90.0%	1,771	1,407	79.4%
3-209 (FIM motor 14-46, age<=74)	14	14	100.0%	1,414	1,103	78.0%
All Stroke AN-SNAP classes	100	92	92.0%	8,270	7,071	85.5%

NOTE: All outcomes analysis are based on completed episodes. A definition of completed episodes can be found in Appendix1 (Glossary)

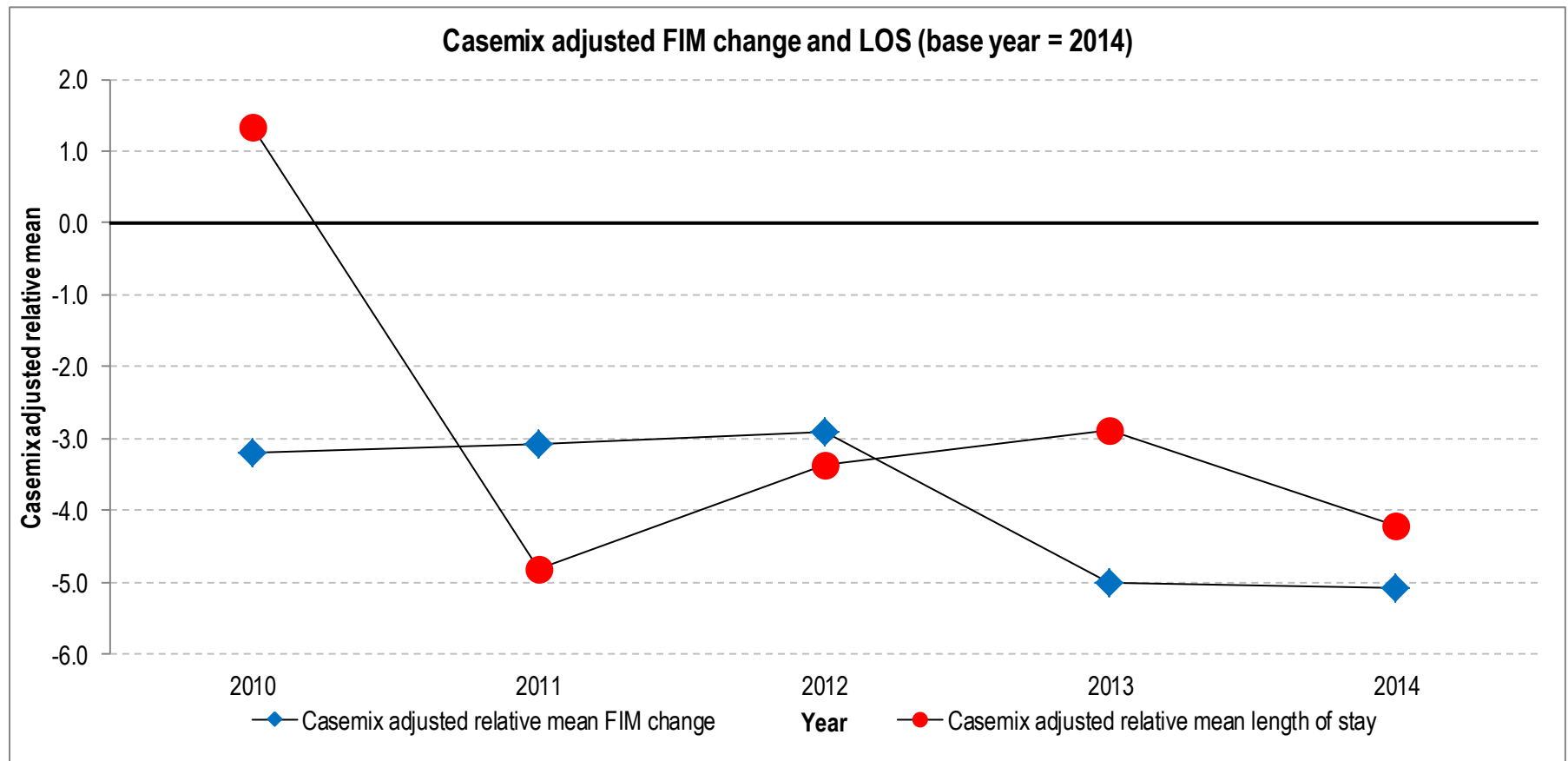
Casemix-adjusted relative means



Outcome measures	YOUR FACILITY	
	Casemix adjustment relative mean	95% CI
Length of stay	-4.2	-7.7 to -0.7
FIM change	-5.1	-7.8 to -2.4

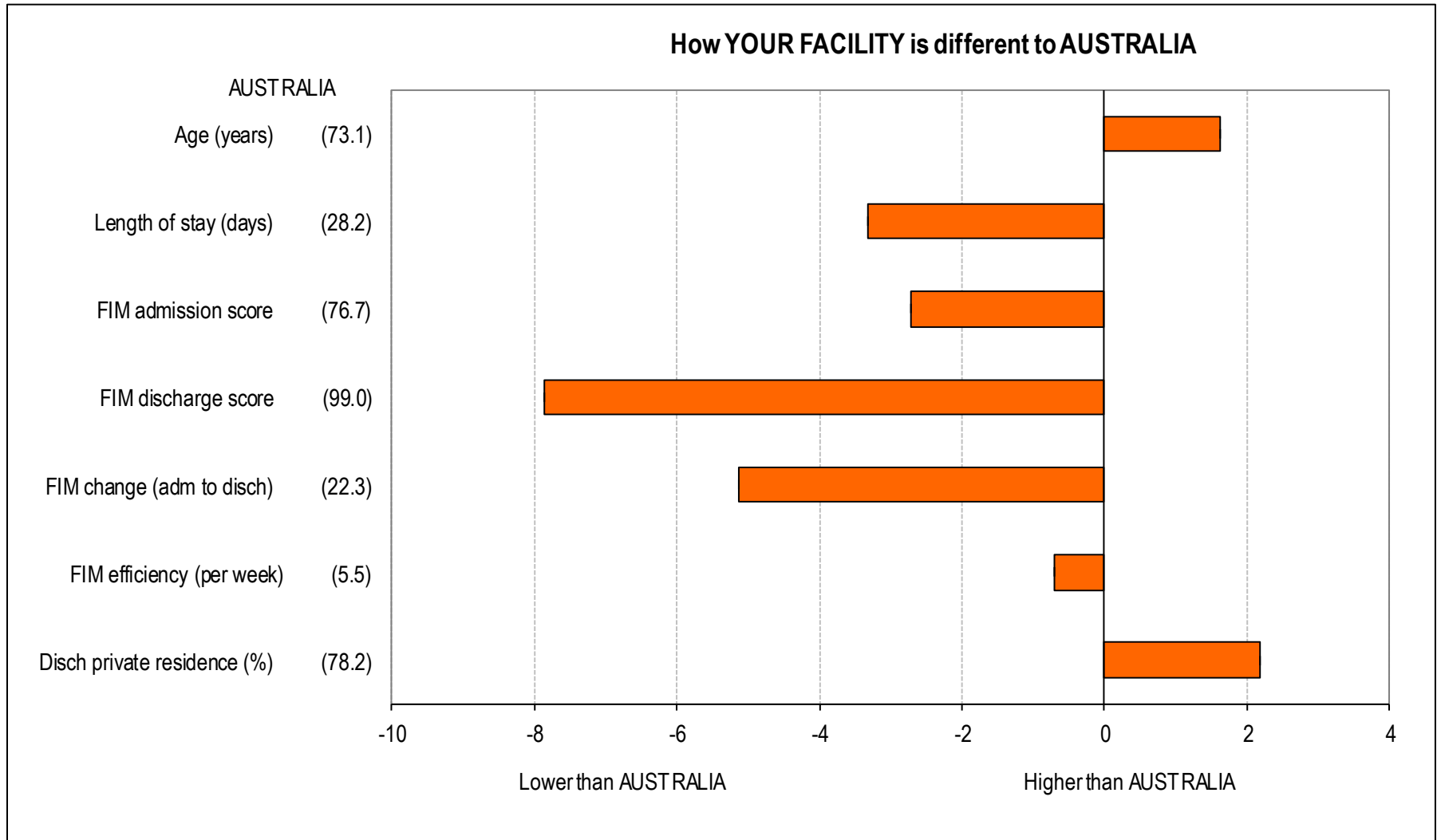
NOTE: Includes only completed episodes with valid FIM scores and LOS

Casemix-adjusted relative means over time



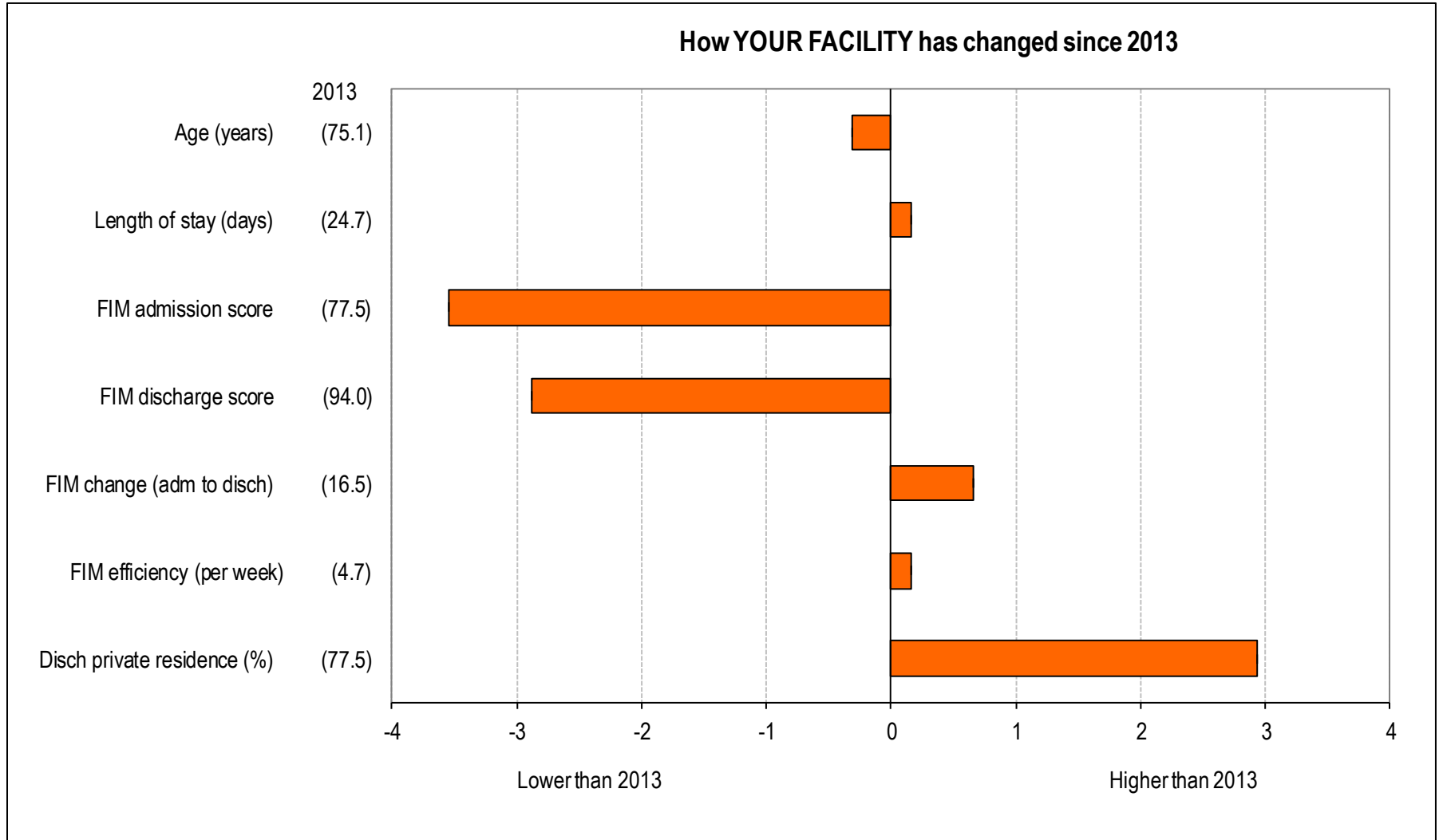
NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will not be shown

Outcome measures – difference from National



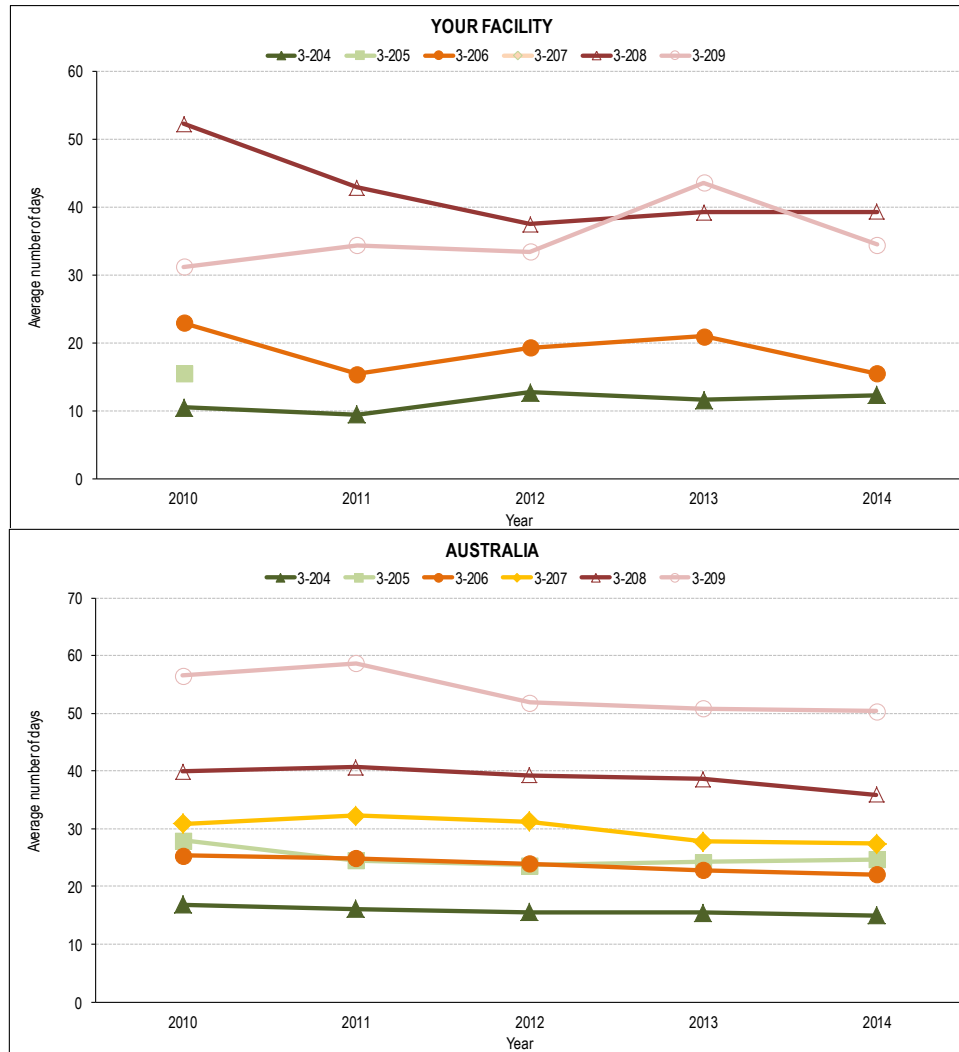
NOTE: Includes only completed episodes with valid FIM scores and LOS

Outcome measures – difference from 2013



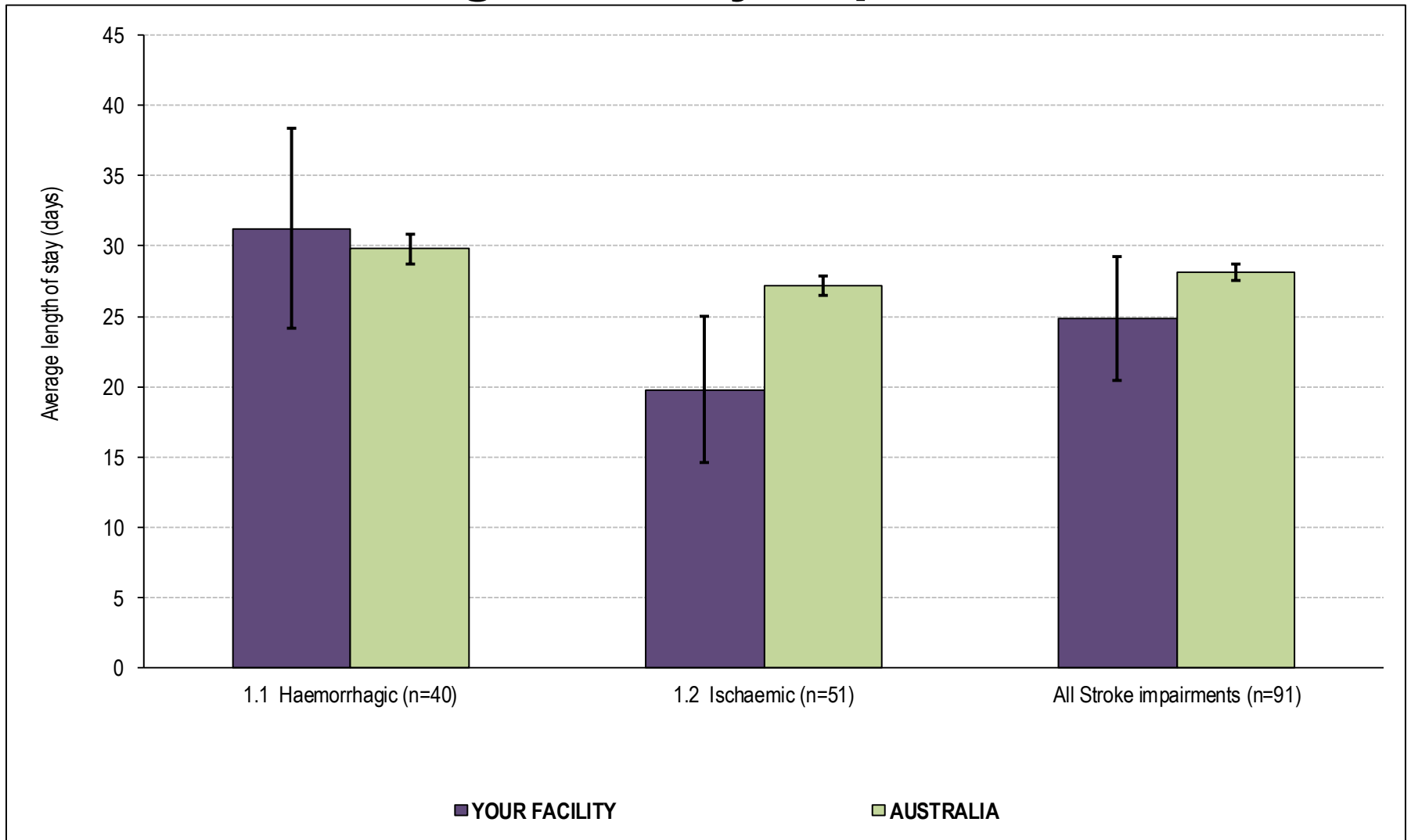
NOTE: Includes only completed episodes with valid FIM scores and LOS

Average LOS by AN-SNAP class over time



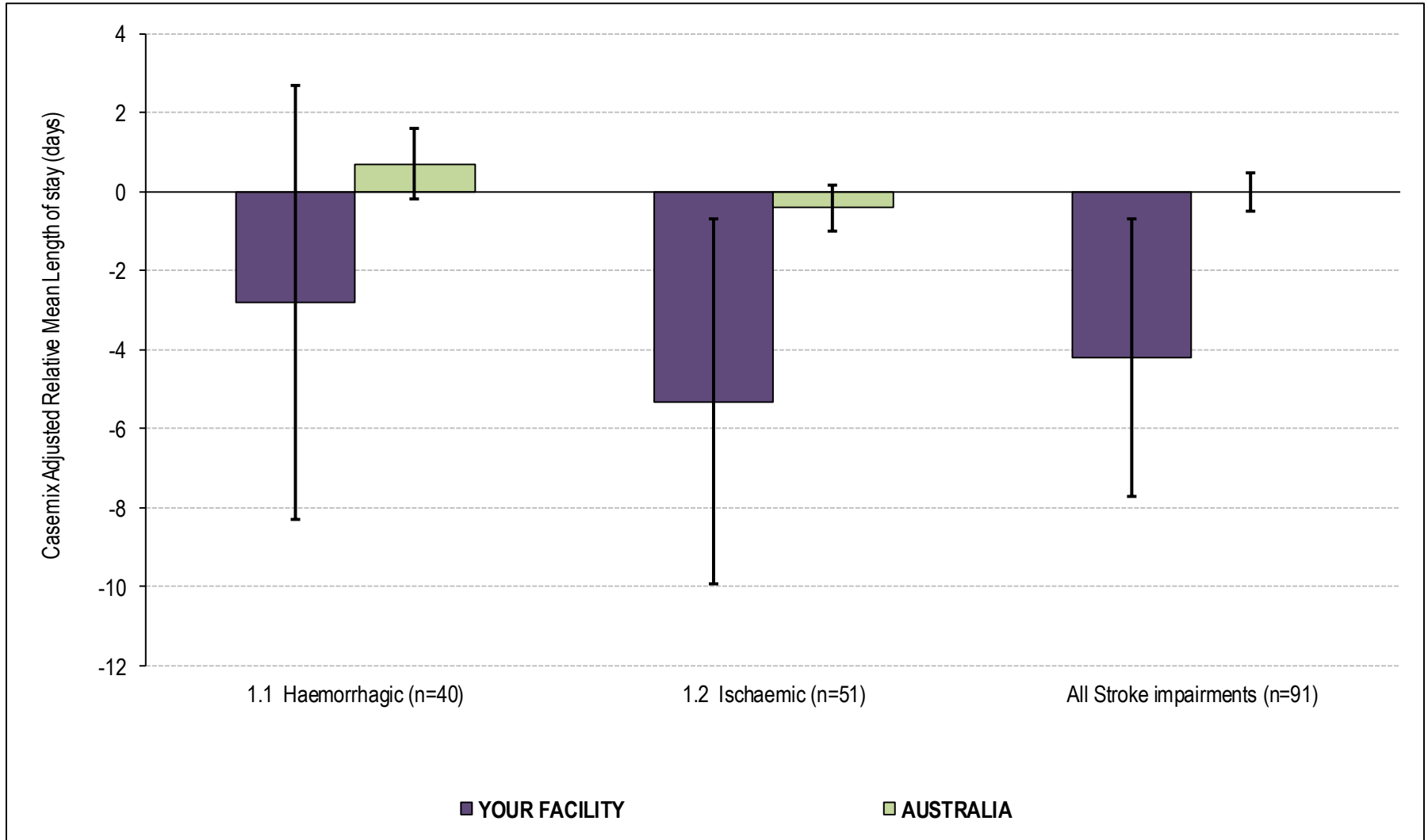
NOTE: Includes only completed episodes with valid LOS; where n<5 ALOS will not be shown

Average LOS by impairment



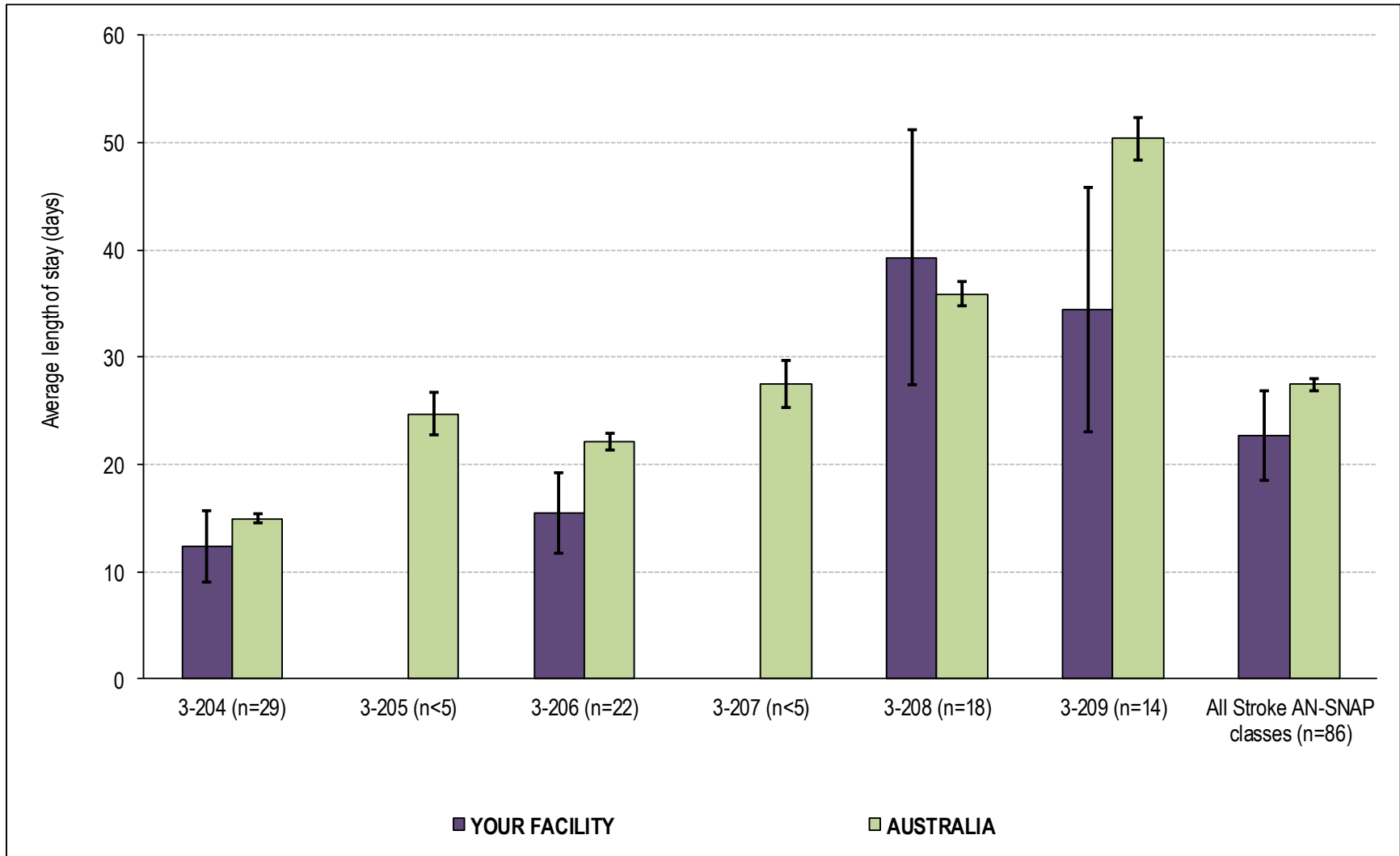
NOTE: Includes only completed episodes with valid LOS

Casemix-adjusted relative mean LOS by impairment



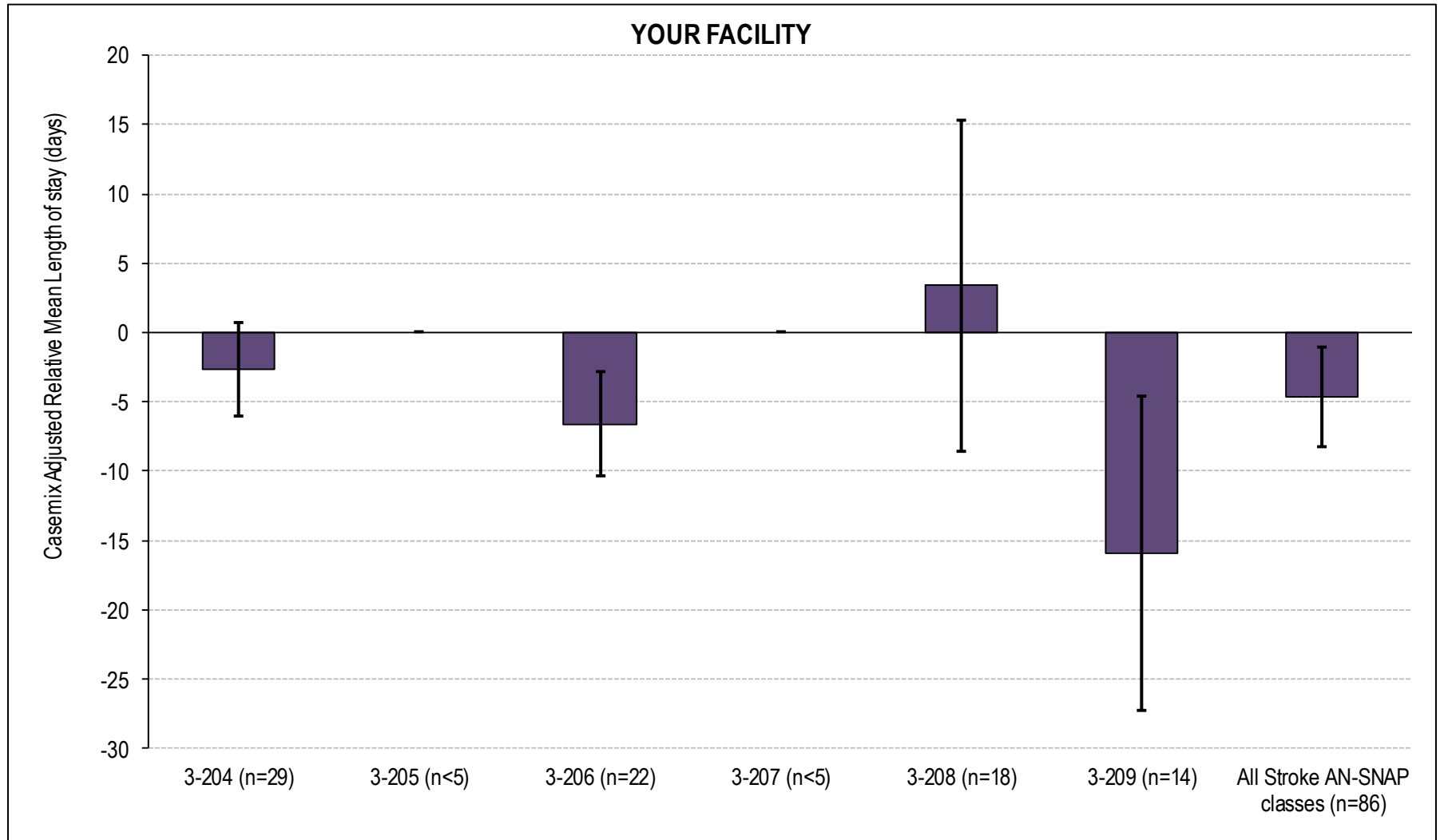
NOTE: Includes only completed episodes with valid LOS

Average LOS by AN-SNAP class



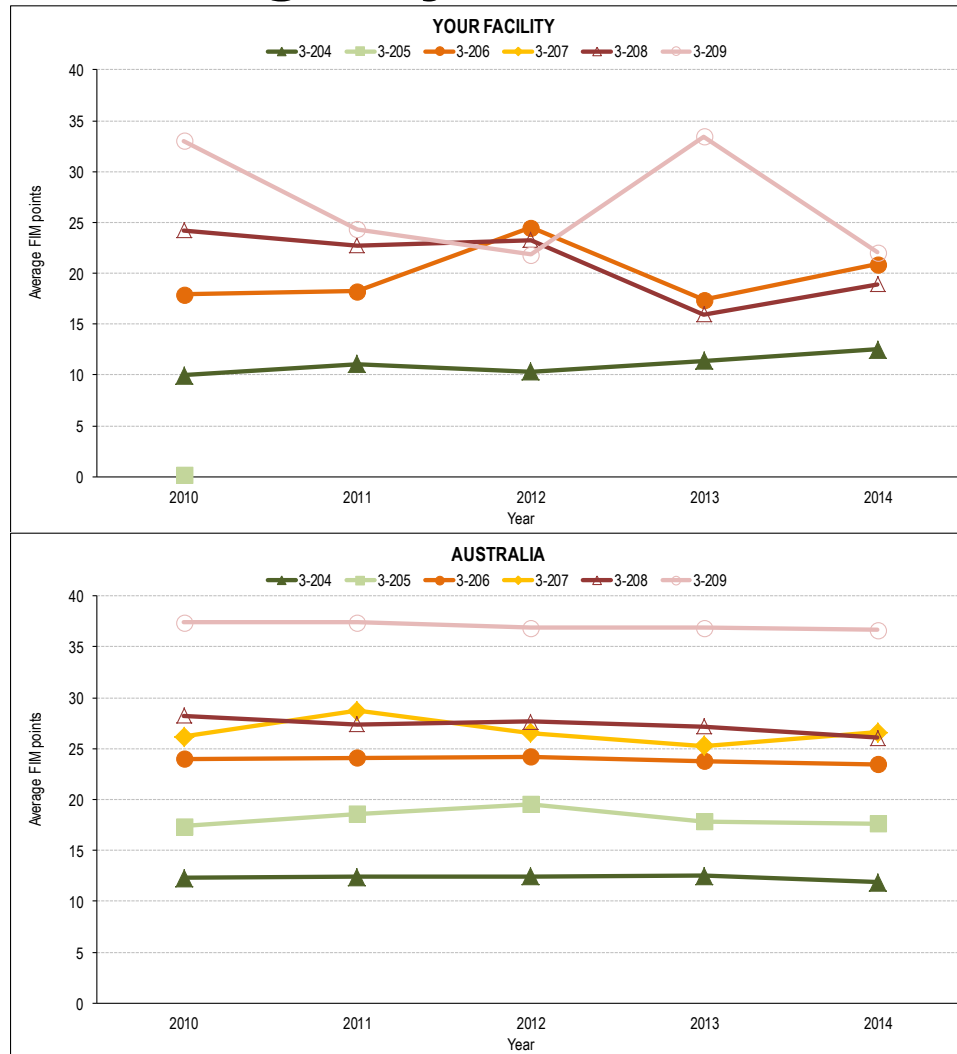
NOTE: Includes only completed episodes with valid LOS

Casemix-adjusted relative mean LOS by AN-SNAP class



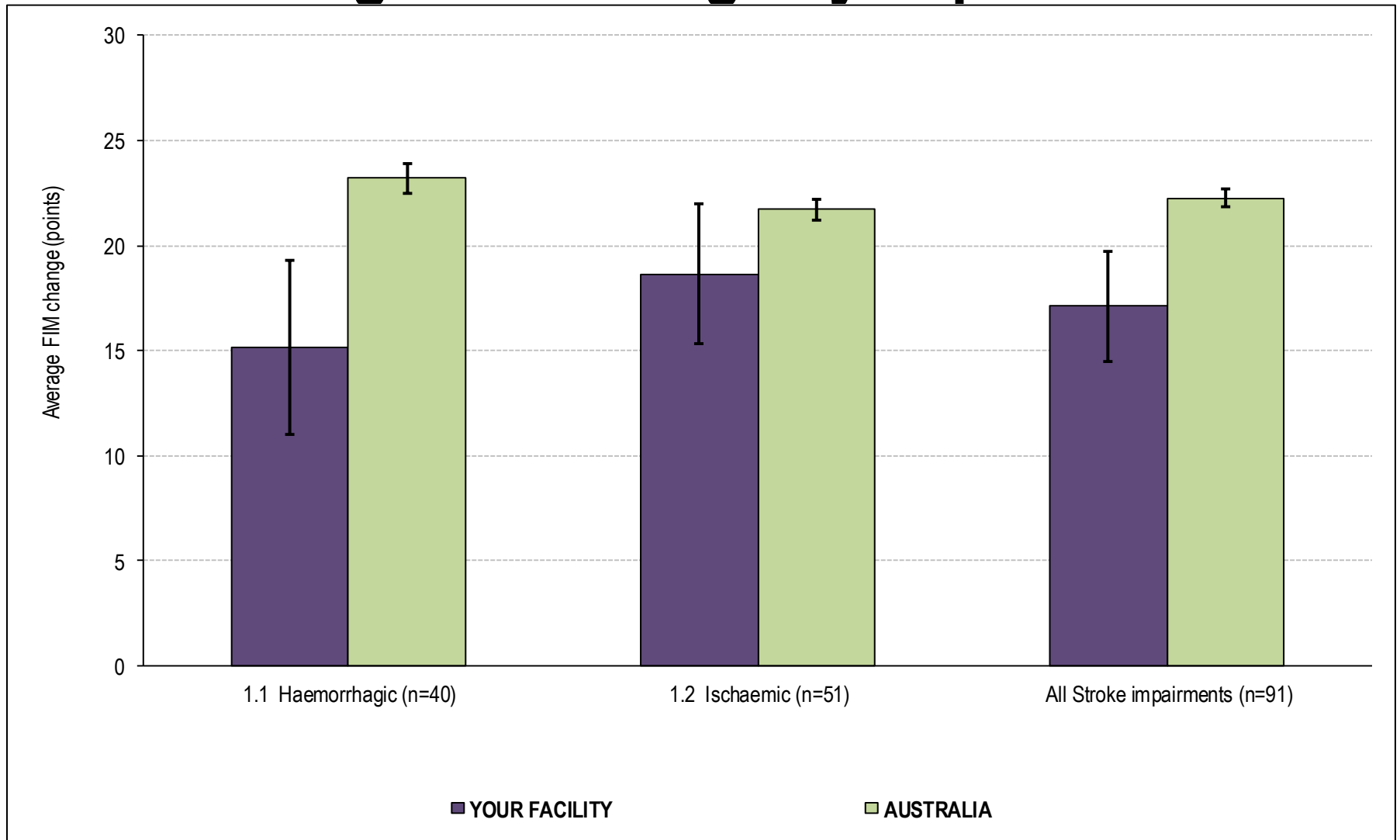
NOTE: Includes only completed episodes with valid LOS

Average FIM change by AN-SNAP class over time



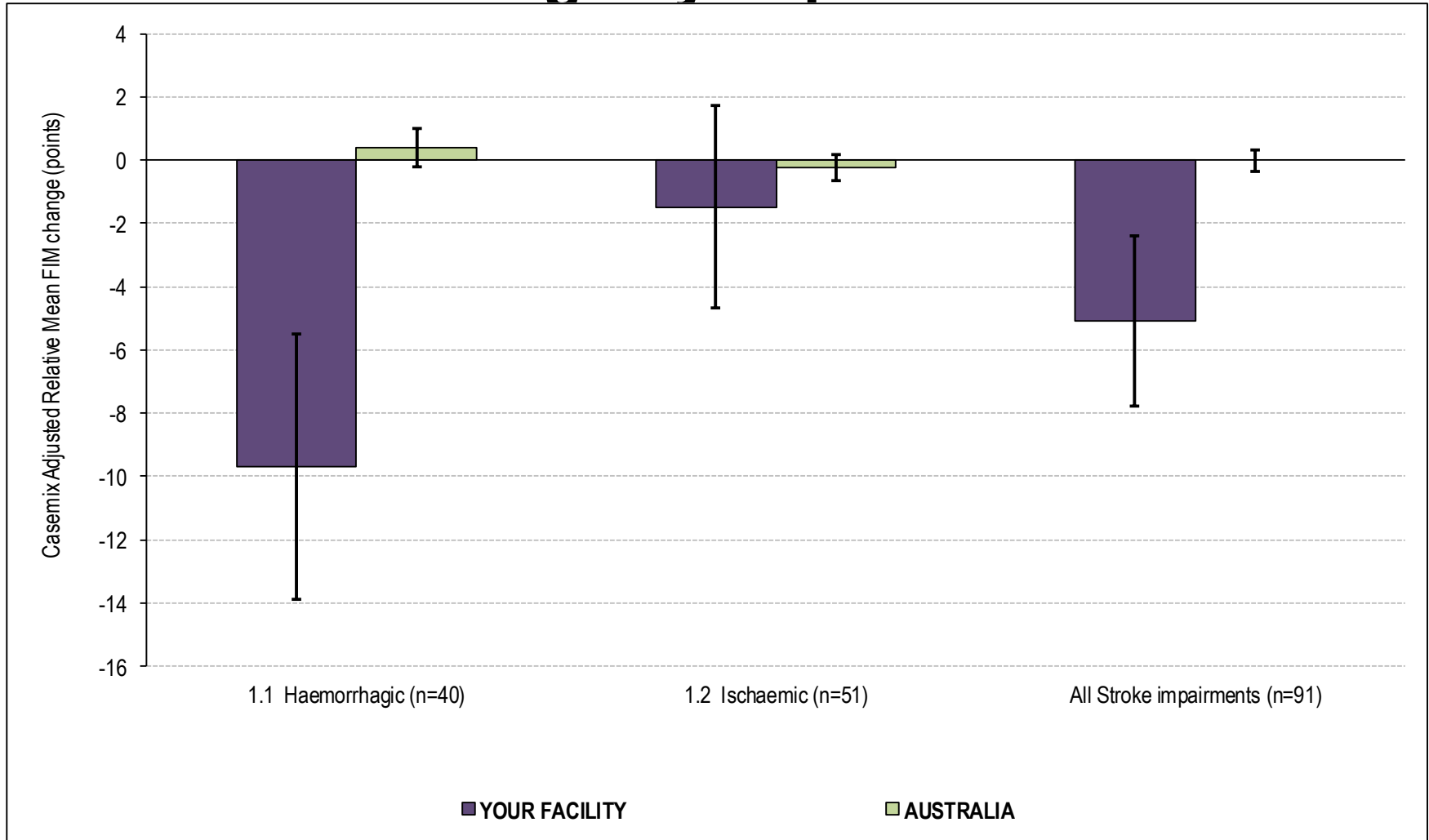
NOTE: Includes only completed episodes with valid FIM scores; where n<5 average FIM change will not be shown

Average FIM change by impairment



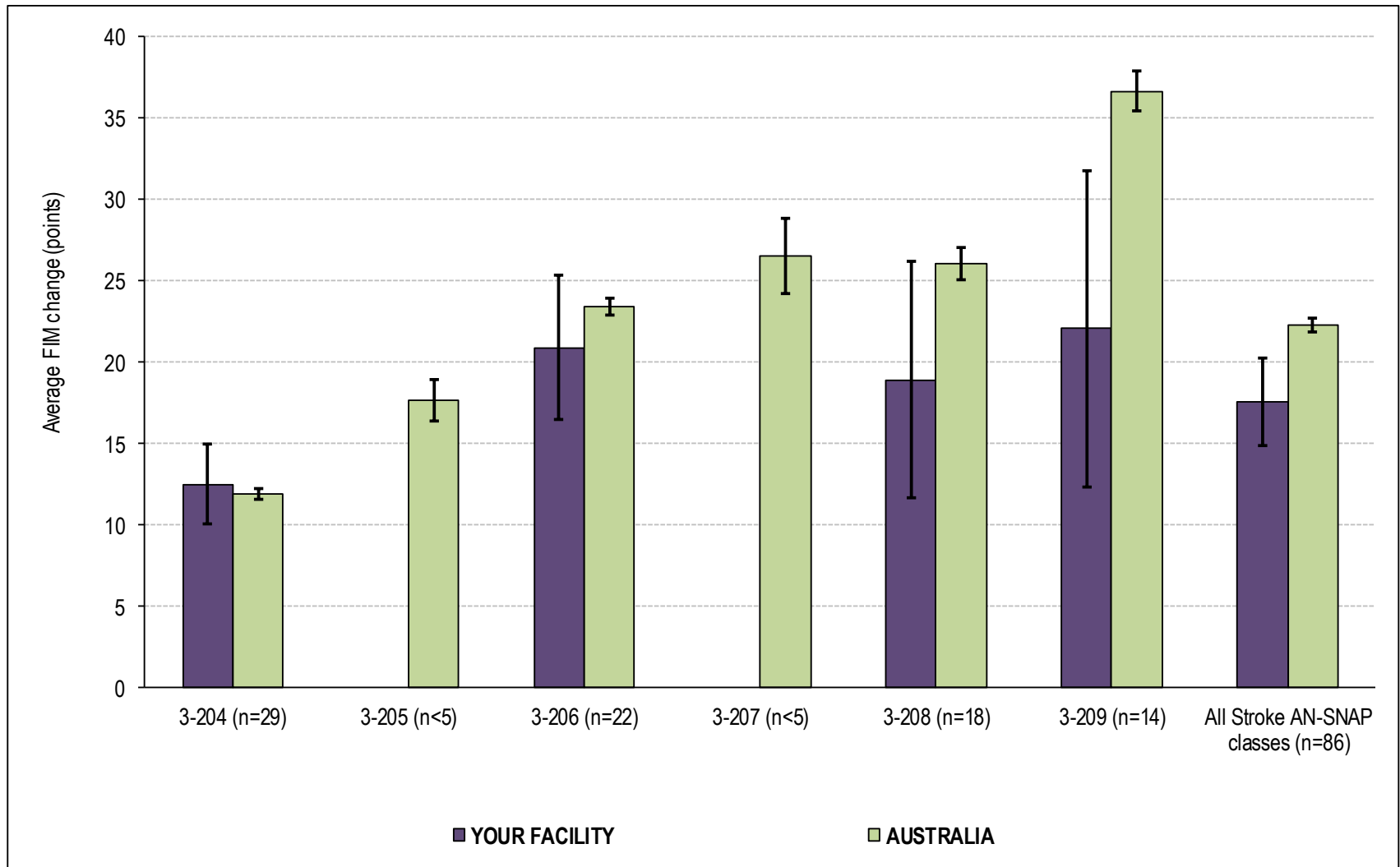
NOTE: Includes only completed episodes with valid FIM scores

Casemix-adjusted relative mean FIM change by impairment



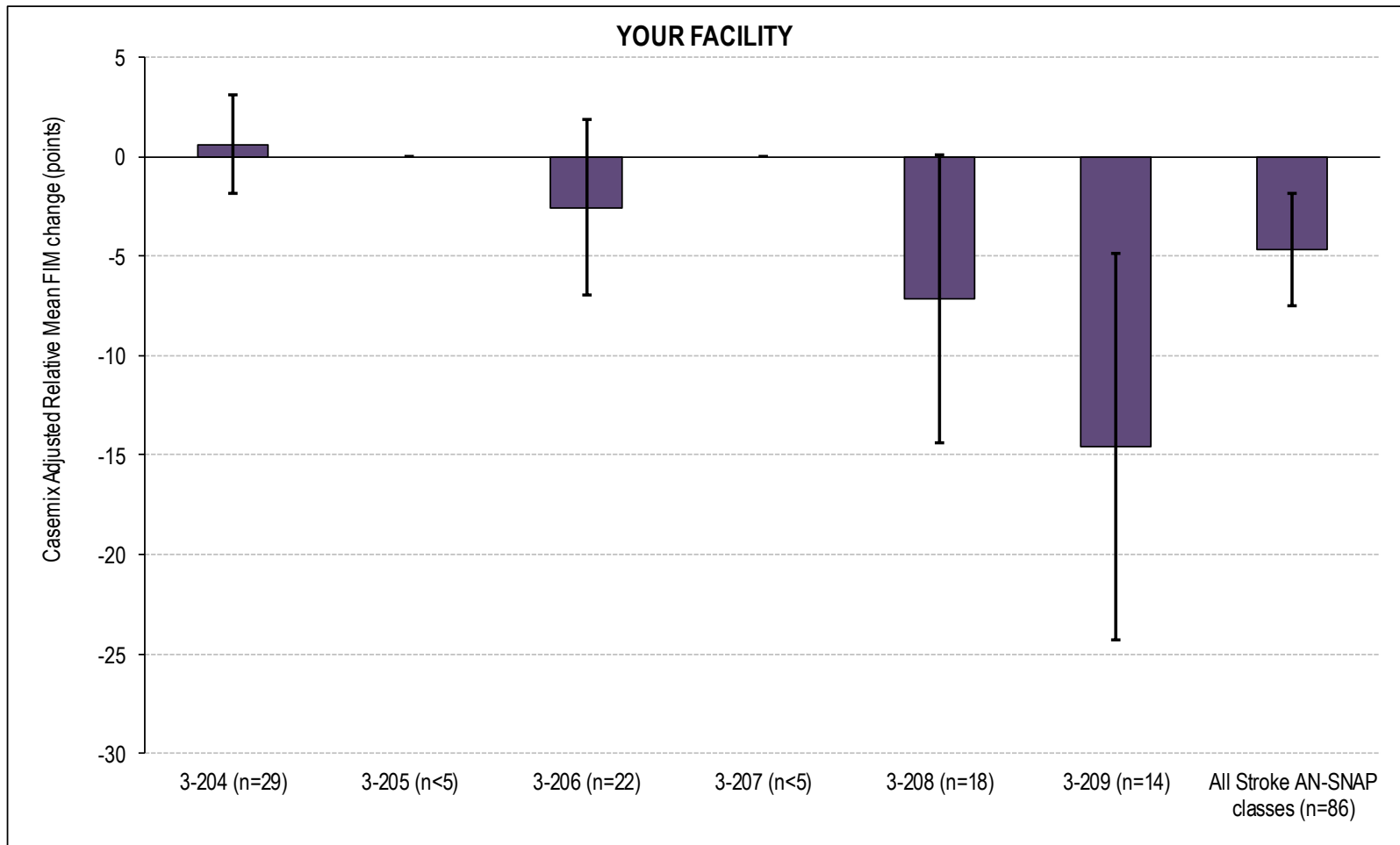
NOTE: Includes only completed episodes with valid FIM scores

Average FIM change by AN-SNAP class



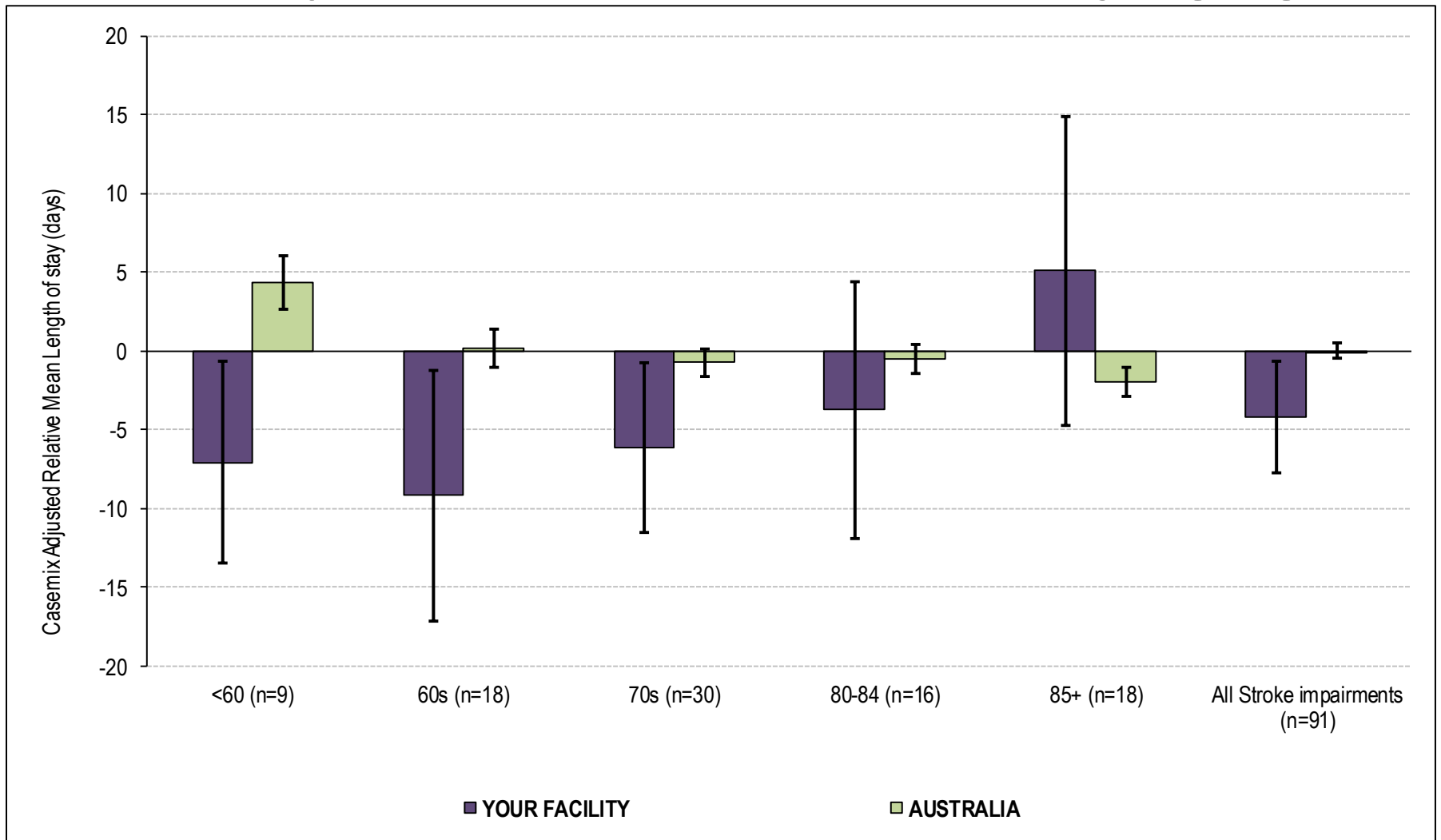
NOTE: Includes only completed episodes with valid FIM scores

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



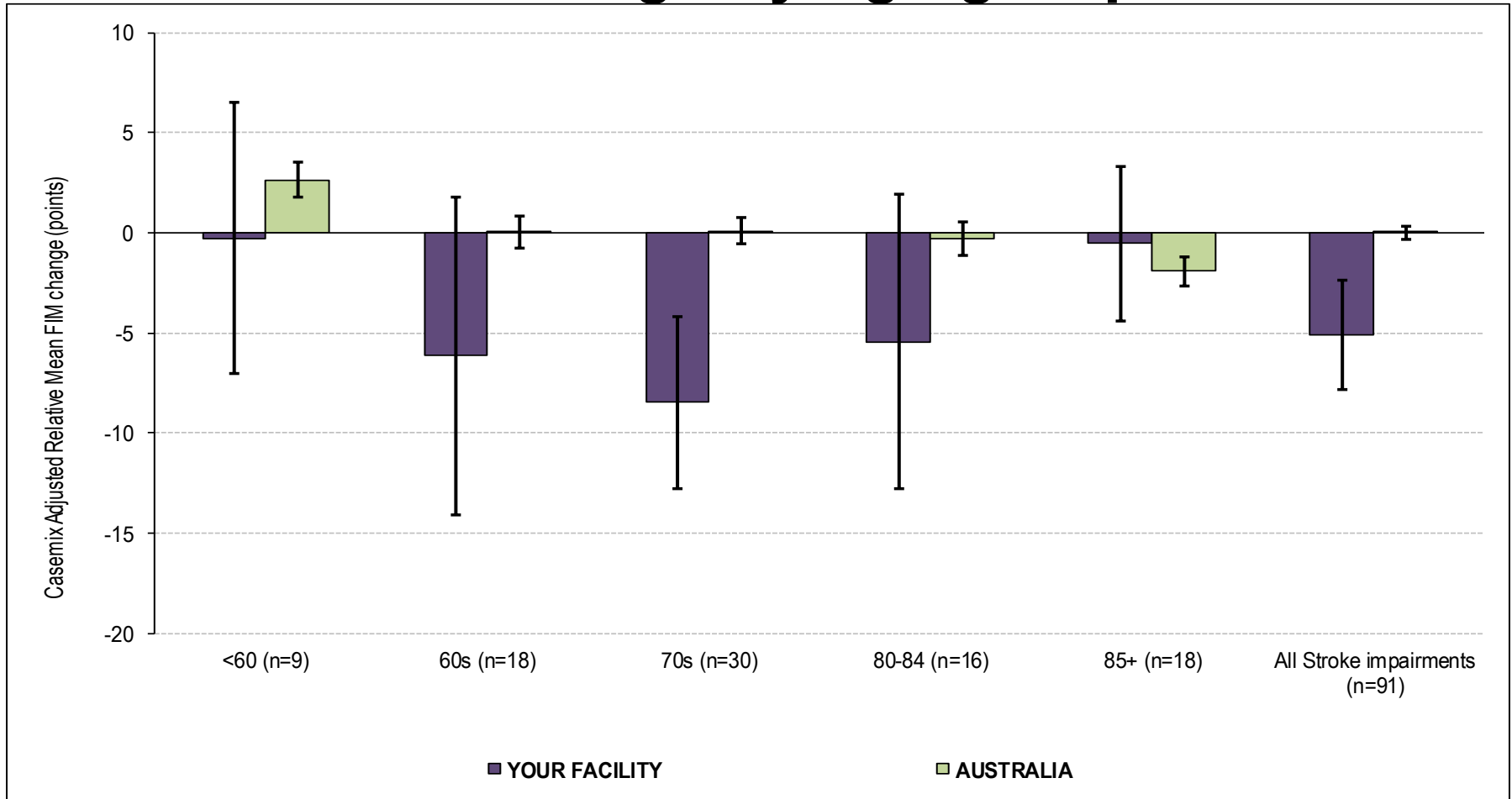
NOTE: Includes only completed episodes with valid FIM scores

Casemix-adjusted relative mean LOS by age group*



NOTE: Includes only completed episodes with valid LOS and age
 * Approximately 20% national population per age group

Casemix-adjusted relative mean FIM change by age group*



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

* Approximately 20% national population per age group

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

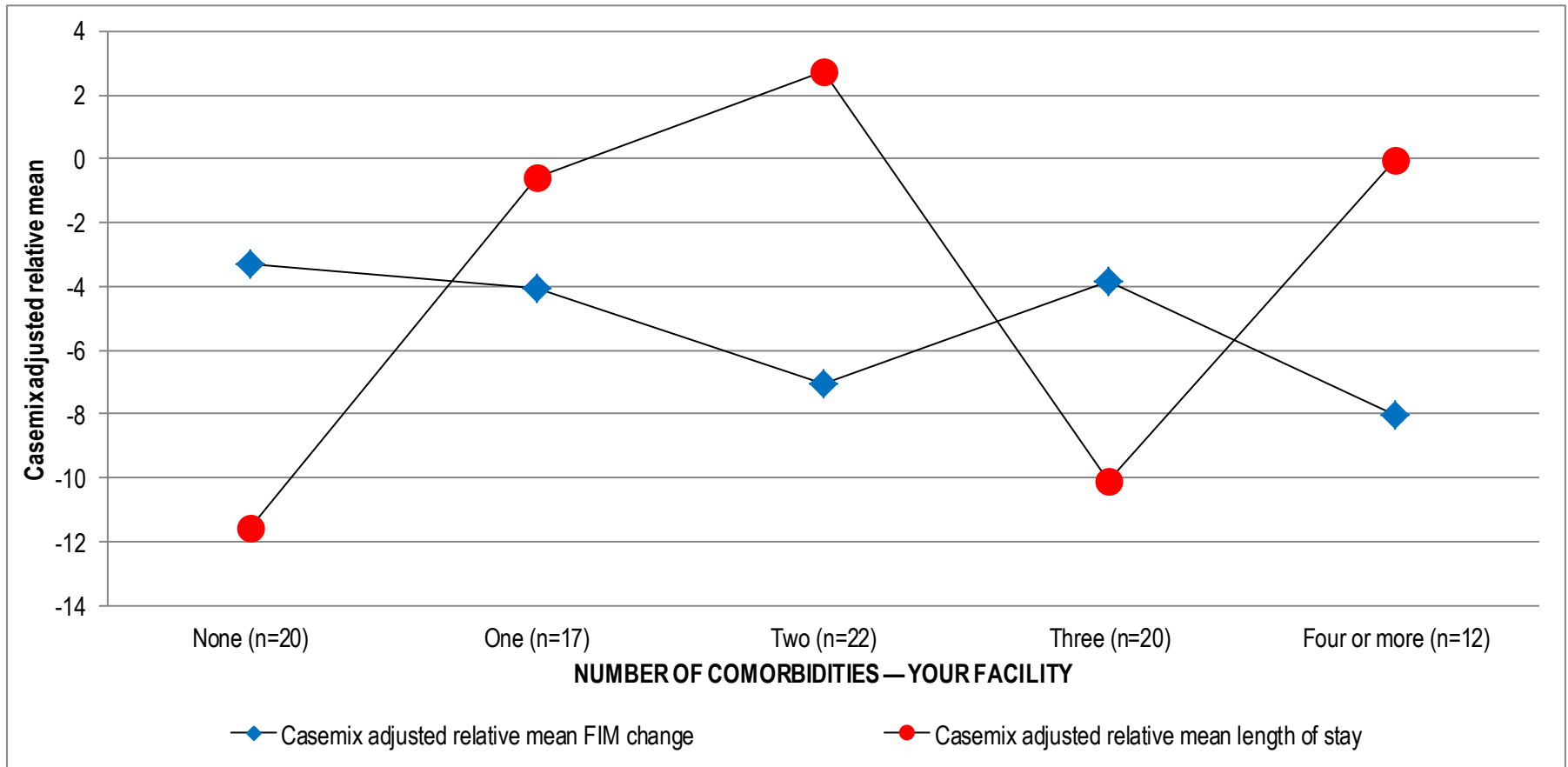
Age group	YOUR FACILITY		AUSTRALIA	
	LOS (95%CI)	FIM change (95% CI)	LOS (95% CI)	FIM change (95% CI)
<60	18.1 (11.7—24.5)	21.0 (13.8—28.2)	33.5 (31.3—35.6)	25.2 (24.0—26.3)
60s	25.4 (14.6—36.2)	19.4 (12.1—26.7)	30.1 (28.7—31.6)	23.6 (22.6—24.5)
70s	19.9 (14.9—24.8)	12.8 (9.1—16.5)	27.7 (26.7—28.7)	22.5 (21.8—23.3)
80-84	30.2 (16.9—43.5)	16.1 (8.5—23.6)	25.6 (24.5—26.6)	20.7 (19.8—21.6)
85+	31.1 (18.7—43.5)	21.1 (16.7—25.4)	25.2 (24.2—26.2)	19.9 (19.1—20.6)
All Stroke impairments	24.8 (20.4—29.2)	17.1 (14.5—19.7)	28.2 (27.6—28.7)	22.3 (21.9—22.7)

Age group	YOUR FACILITY		AUSTRALIA	
	CARMI LOS (95%CI)	CARMI FIM change (95% CI)	CARMI LOS (95% CI)	CARMI FIM change (95% CI)
<60	-7.1 (-13.5—0.7)	-0.3 (-7.0—6.5)	4.3 (2.6—6.0)	2.6 (1.8—3.5)
60s	-9.2 (-17.2—1.2)	-6.1 (-14.1—1.8)	0.2 (-1.1—1.4)	0.1 (-0.7—0.9)
70s	-6.1 (-11.6—0.7)	-8.5 (-12.8—4.2)	-0.7 (-1.6—0.1)	0.1 (-0.6—0.8)
80-84	-3.8 (-11.9—4.4)	-5.4 (-12.8—1.9)	-0.5 (-1.4—0.4)	-0.3 (-1.1—0.6)
85+	5.1 (-4.8—14.9)	-0.5 (-4.4—3.3)	-1.9 (-2.8—1.0)	-1.9 (-2.6—1.2)
All Stroke impairments	-4.2 (-7.7—0.7)	-5.1 (-7.8—2.4)	0.0 (-0.5—0.5)	0.0 (-0.3—0.3)

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

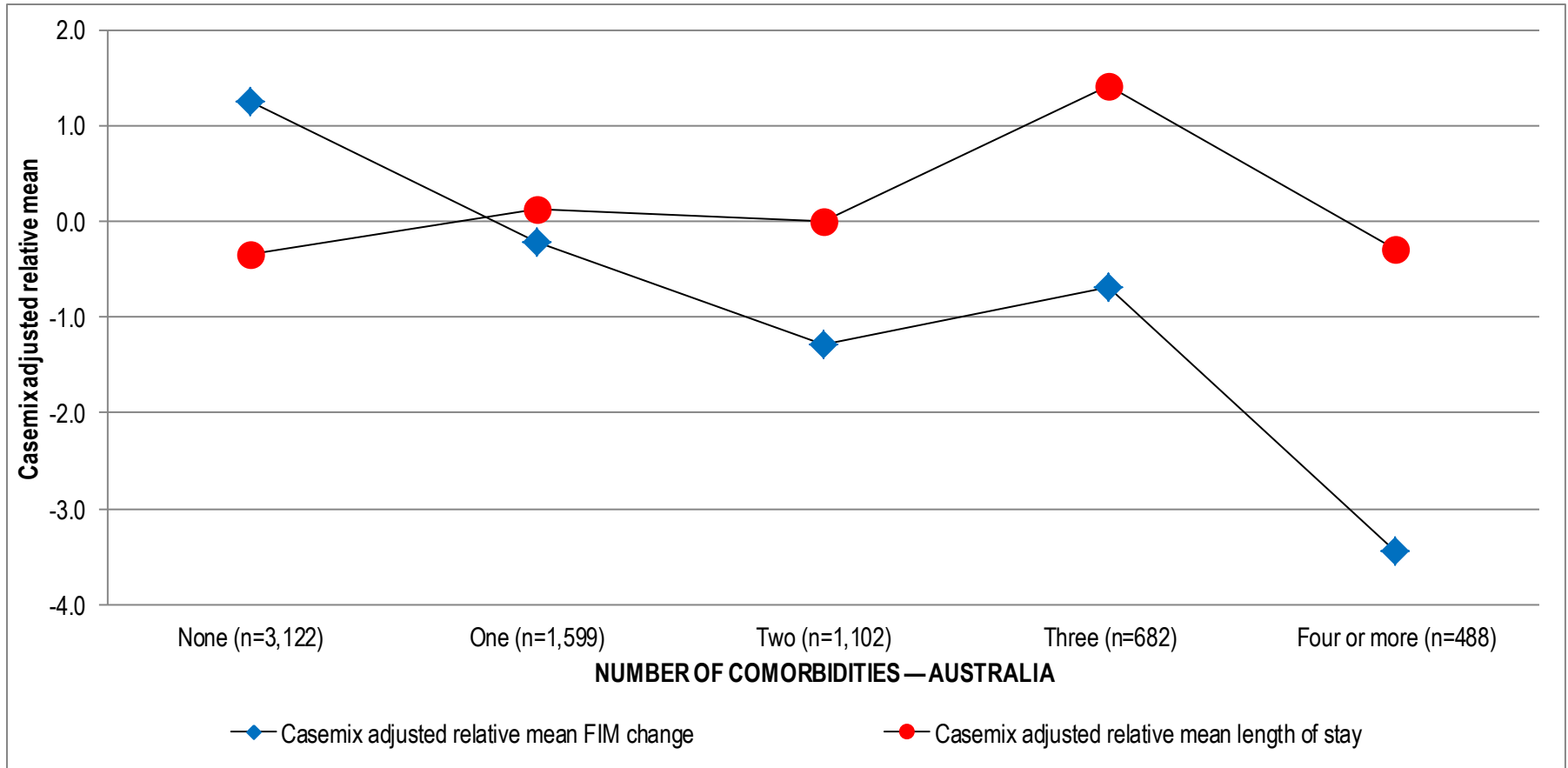
* Approximately 20% national population per age group

Casemix-adjusted relative mean LOS and FIM change by number of comorbidities – YOUR FACILITY



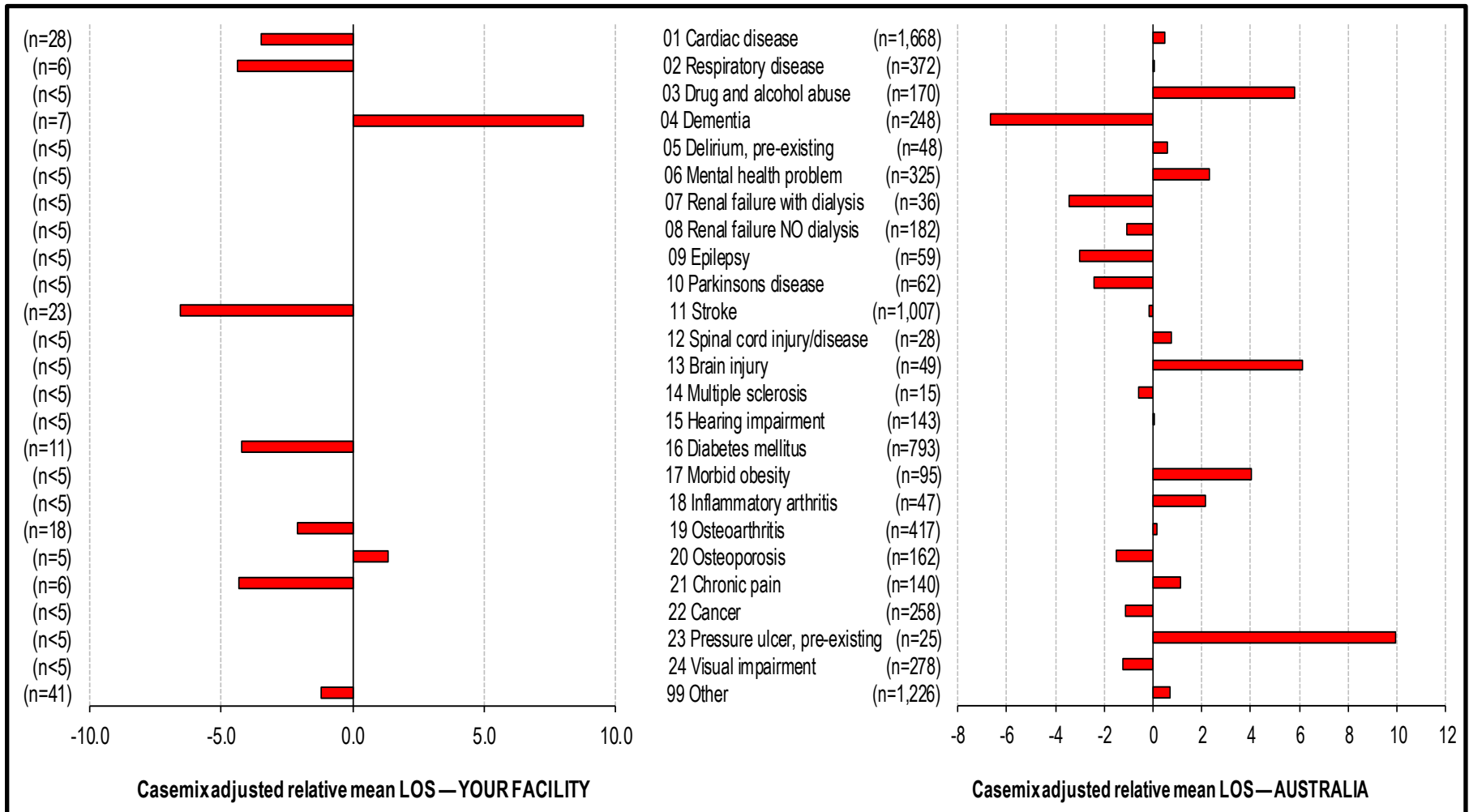
NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will not be shown

Casemix-adjusted relative mean LOS and FIM change by number of comorbidities – NATIONAL



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

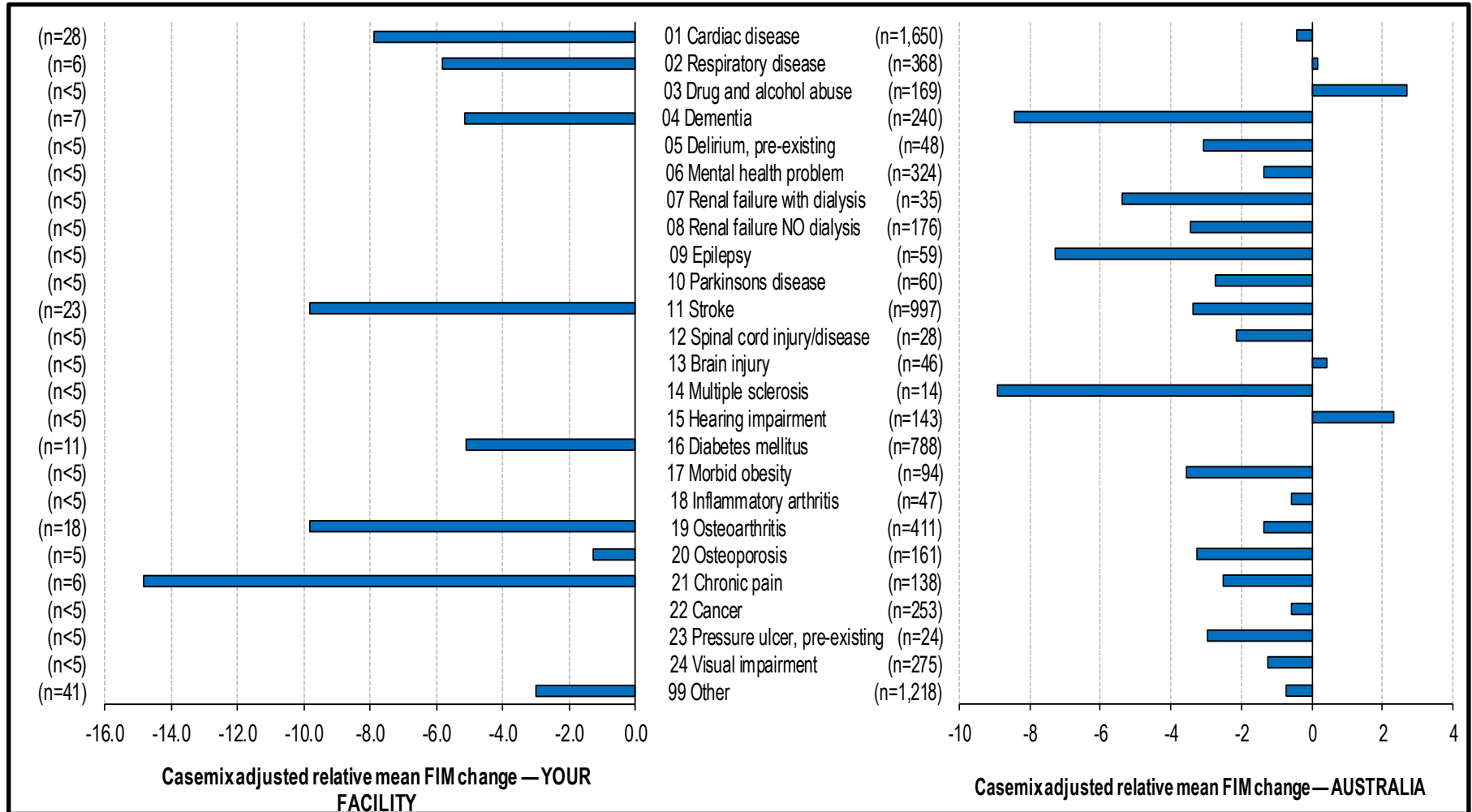
Casemix-adjusted relative mean LOS by type of comorbidity



* No data included where number of episodes <5

NOTE: Includes only completed episodes with valid LOS

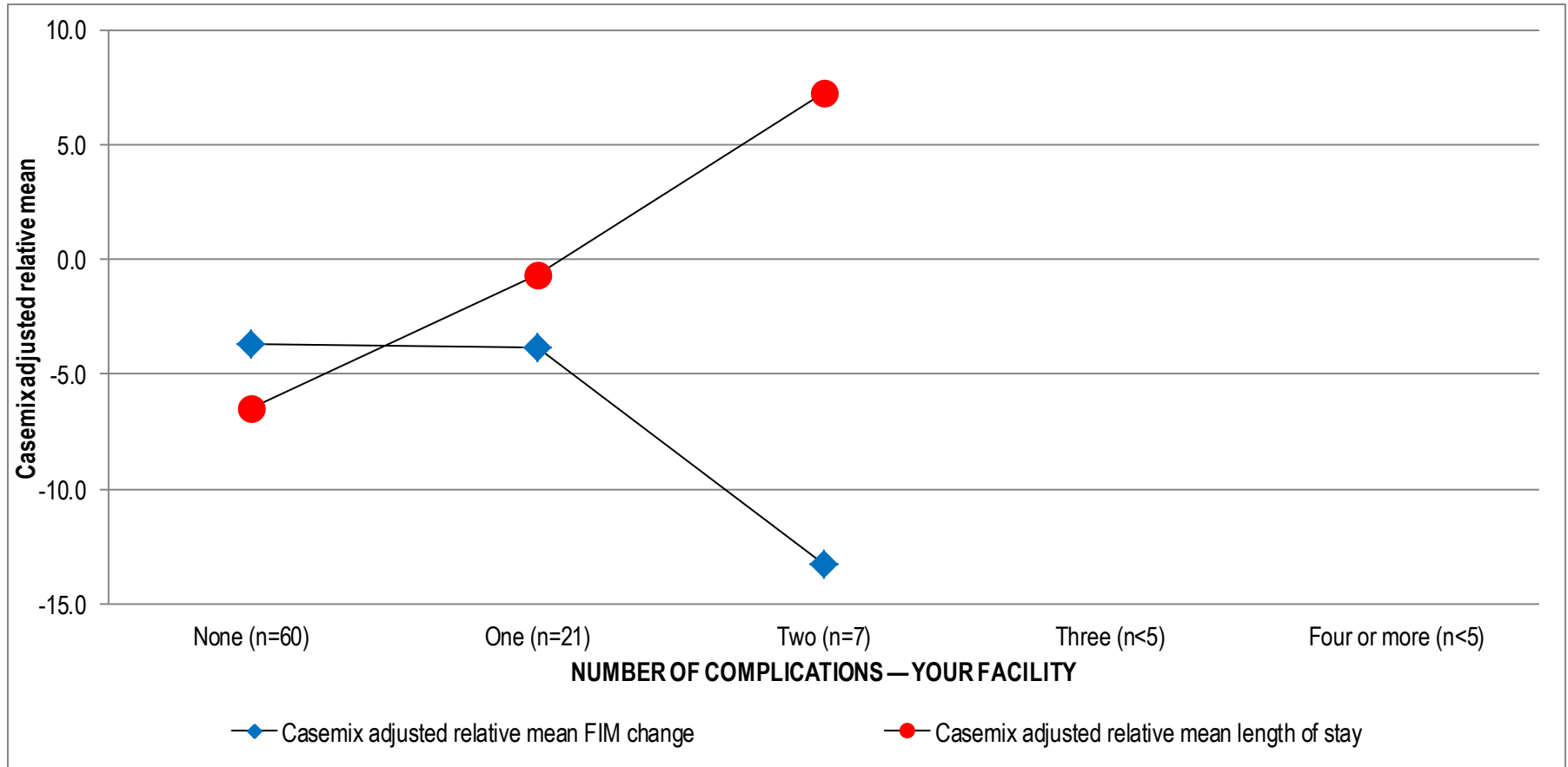
Casemix-adjusted relative mean FIM change by type of comorbidity



* No data included where number of episodes <5

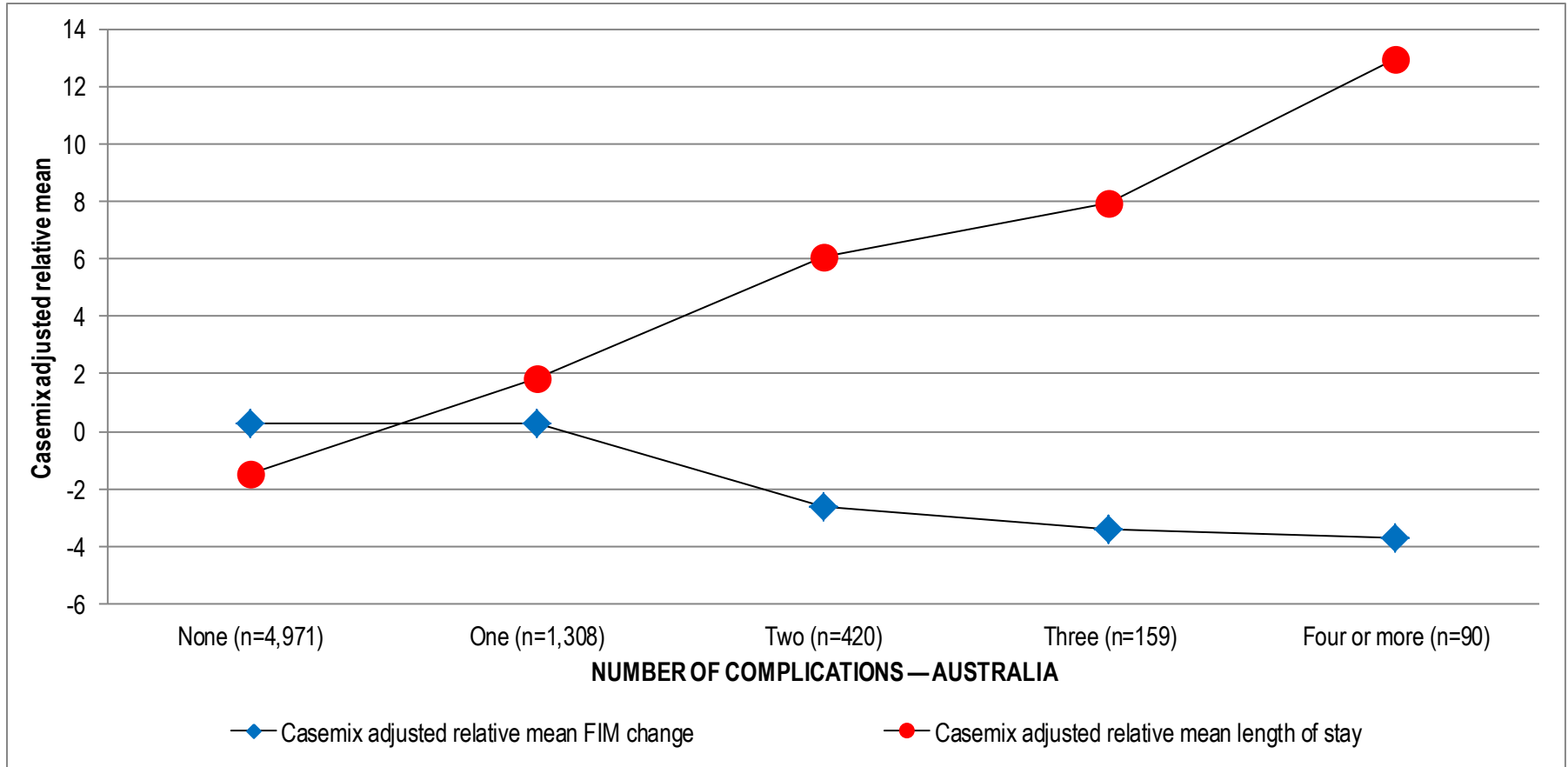
NOTE: Includes only completed episodes with valid FIM scores

Casemix-adjusted relative mean LOS and FIM change by number of complications – YOUR FACILITY



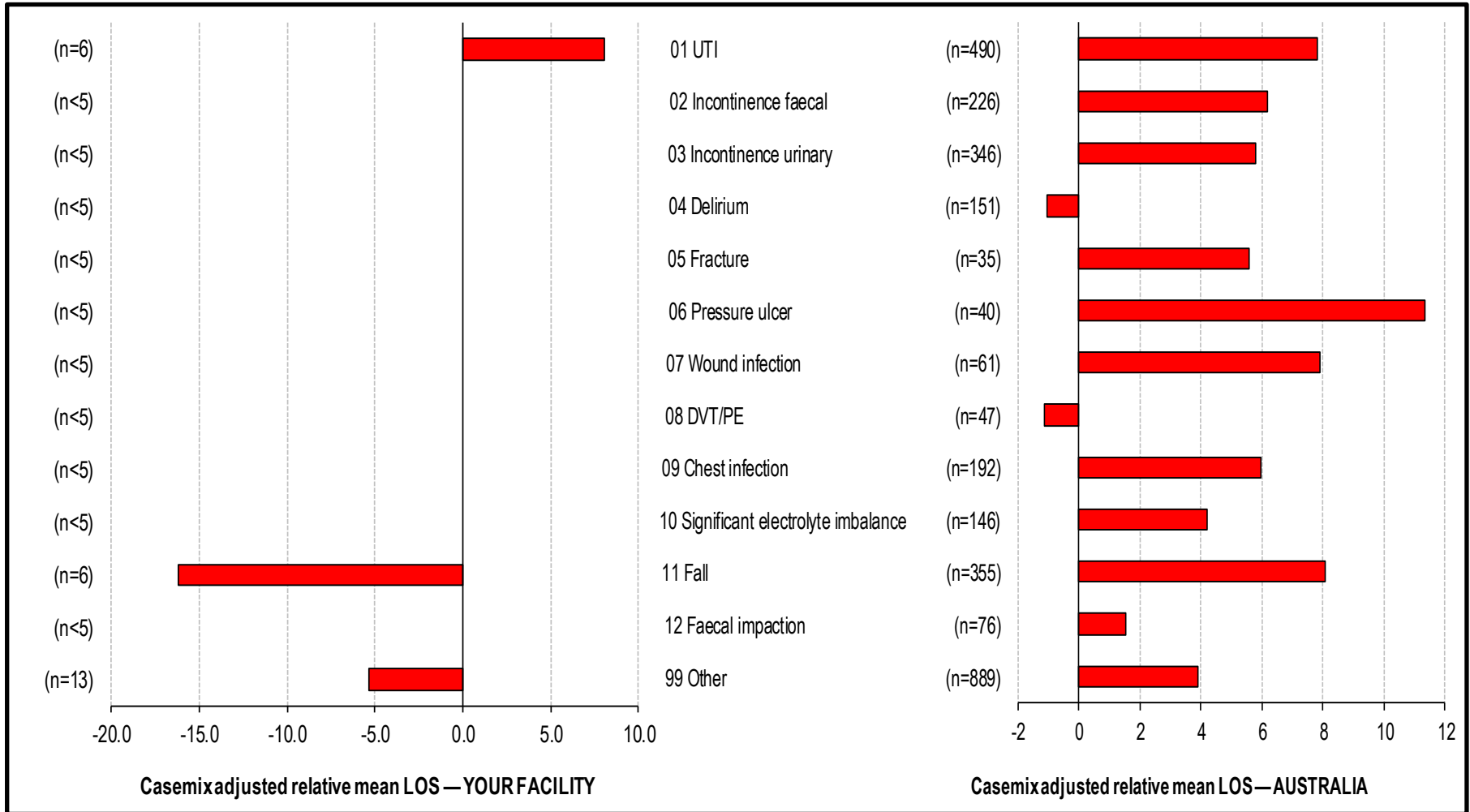
NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will not be shown

Casemix-adjusted relative mean LOS and FIM change by number of complications – NATIONAL



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

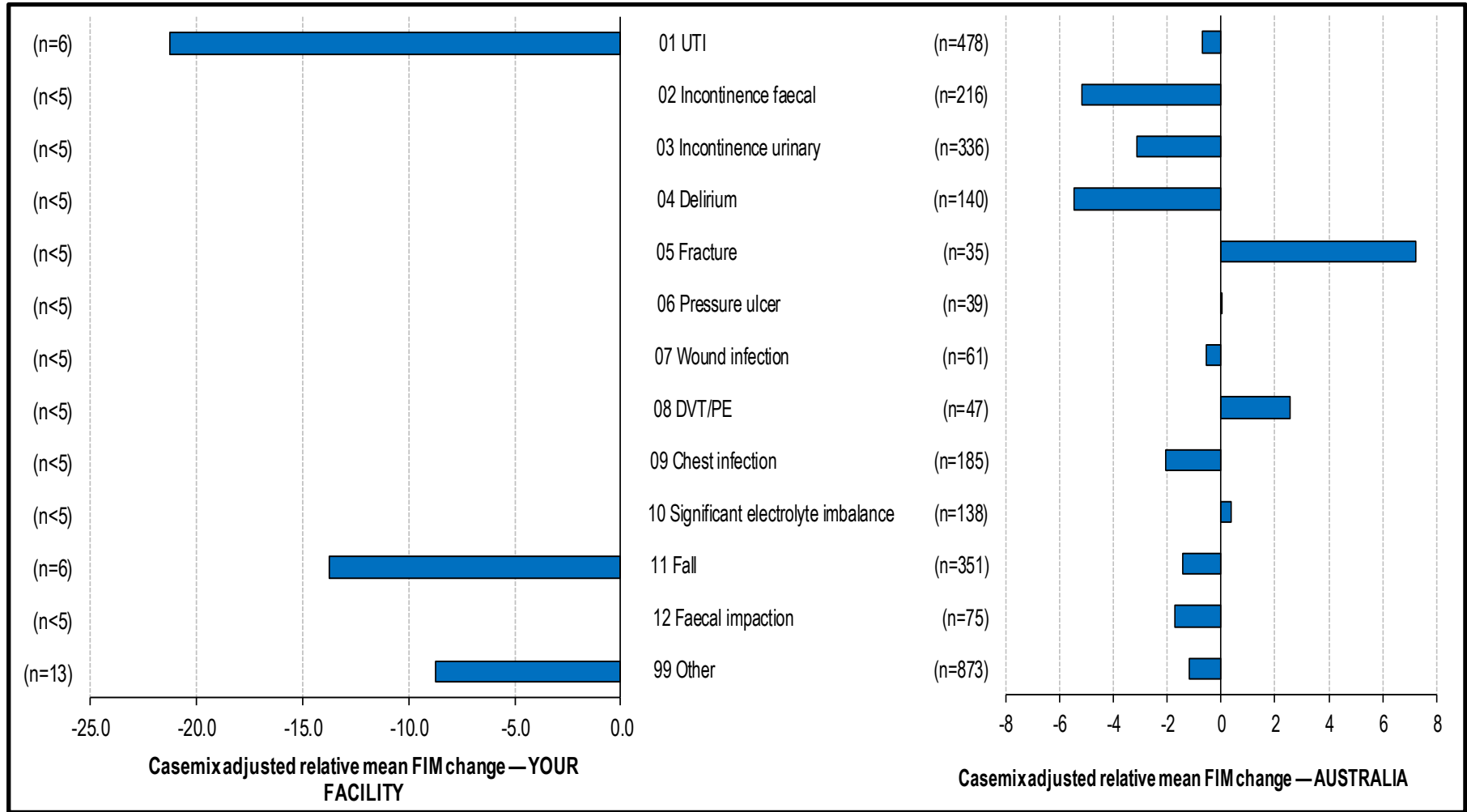
Casemix-adjusted relative mean length of stay by type of complication



* 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

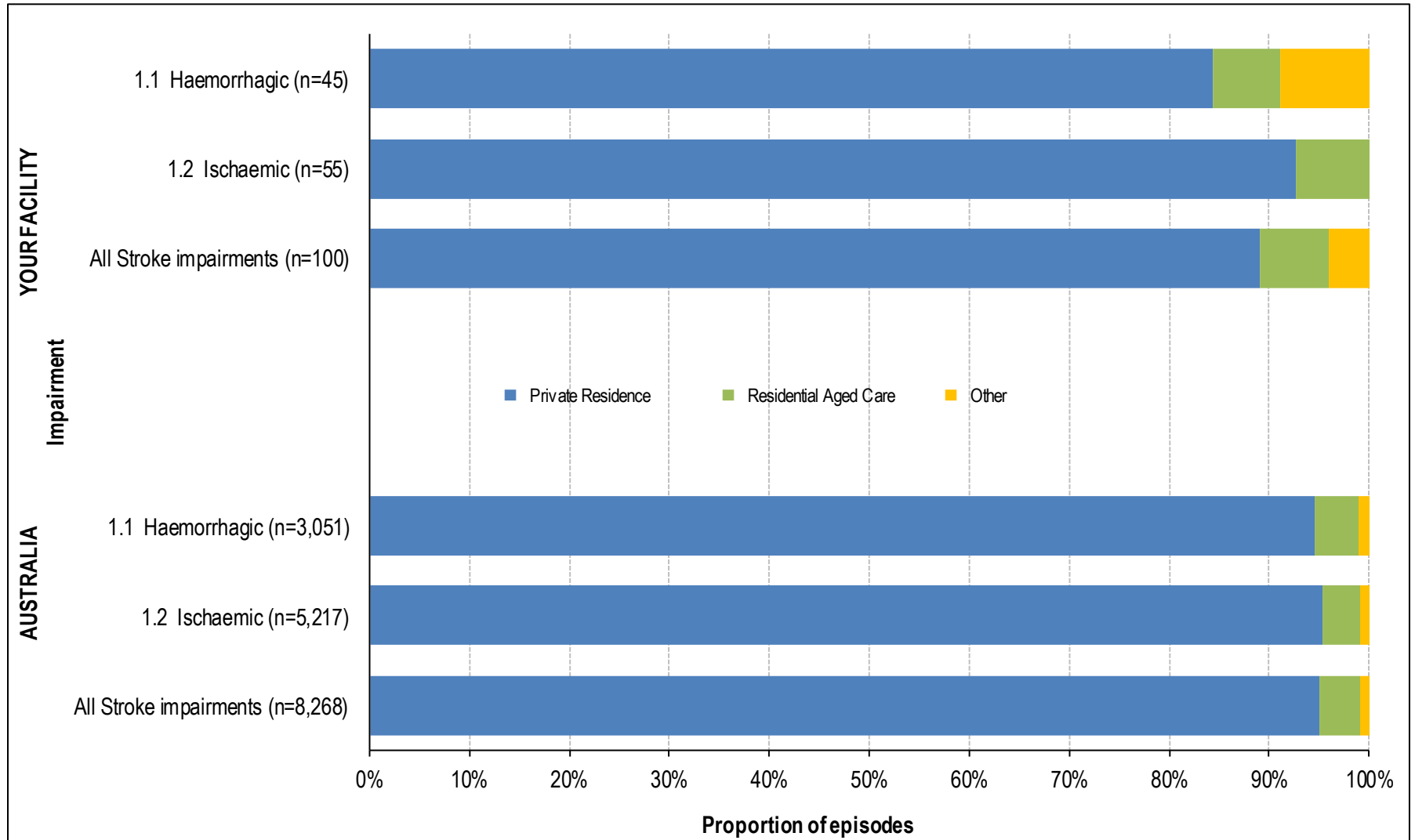


* No data included where number of episodes <5

NOTE: Includes only completed episodes with valid FIM scores

Explanatory data

Type of accommodation prior to impairment

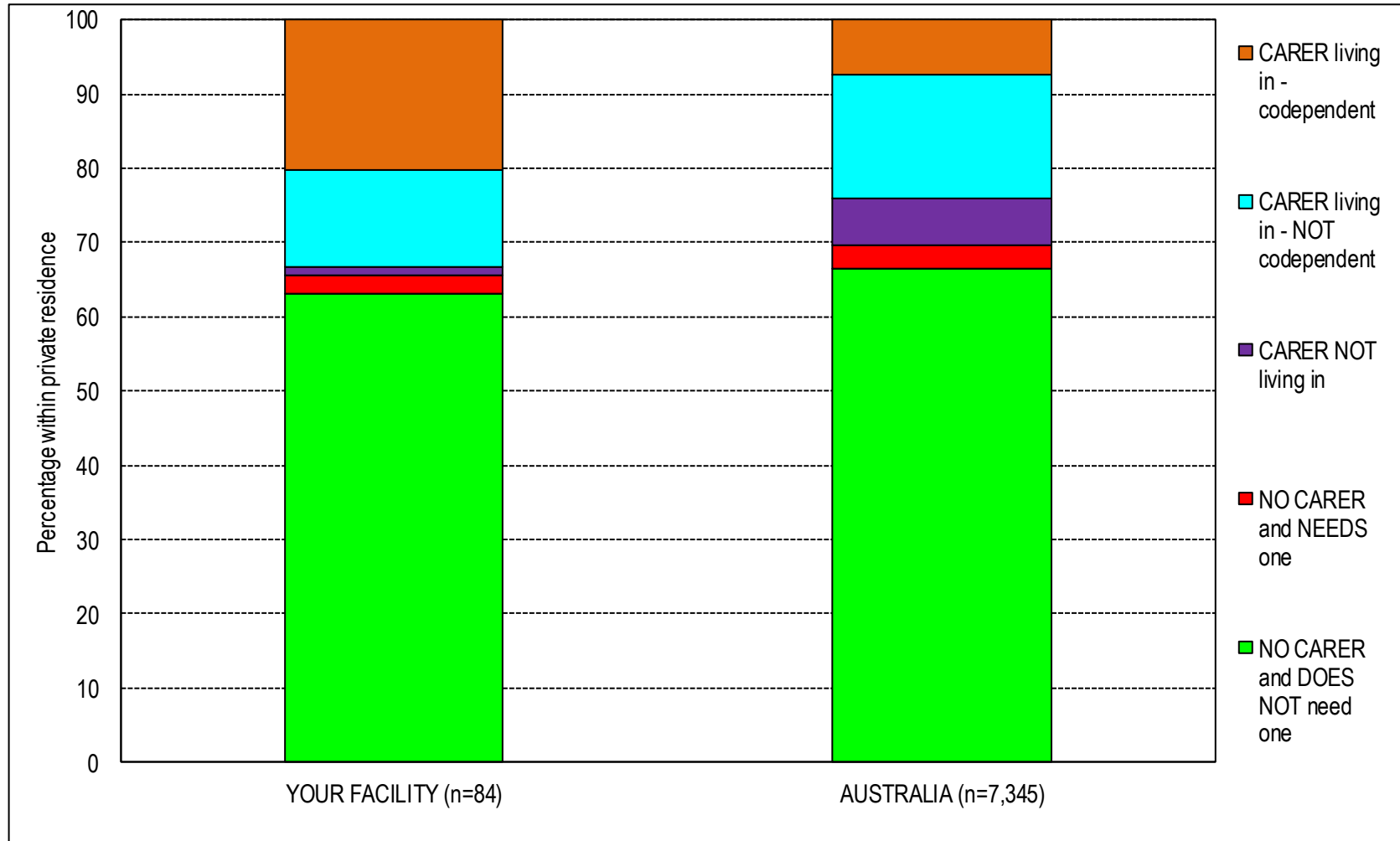


Type of accommodation prior to impairment

Impairment	YOUR FACILITY — N (%)				
	Private residence	Residential Aged		Unknown	All episodes
		Care	Other		
1.1 Haemorrhagic	38 (84.4%)	3 (6.7%)	4 (8.9%)	0	45 (100.0%)
1.2 Ischaemic	51 (92.7%)	4 (7.3%)	0 (0.0%)	0	55 (100.0%)
All Stroke impairments	89 (89.0%)	7 (7.0%)	4 (4.0%)	0	100 (100.0%)

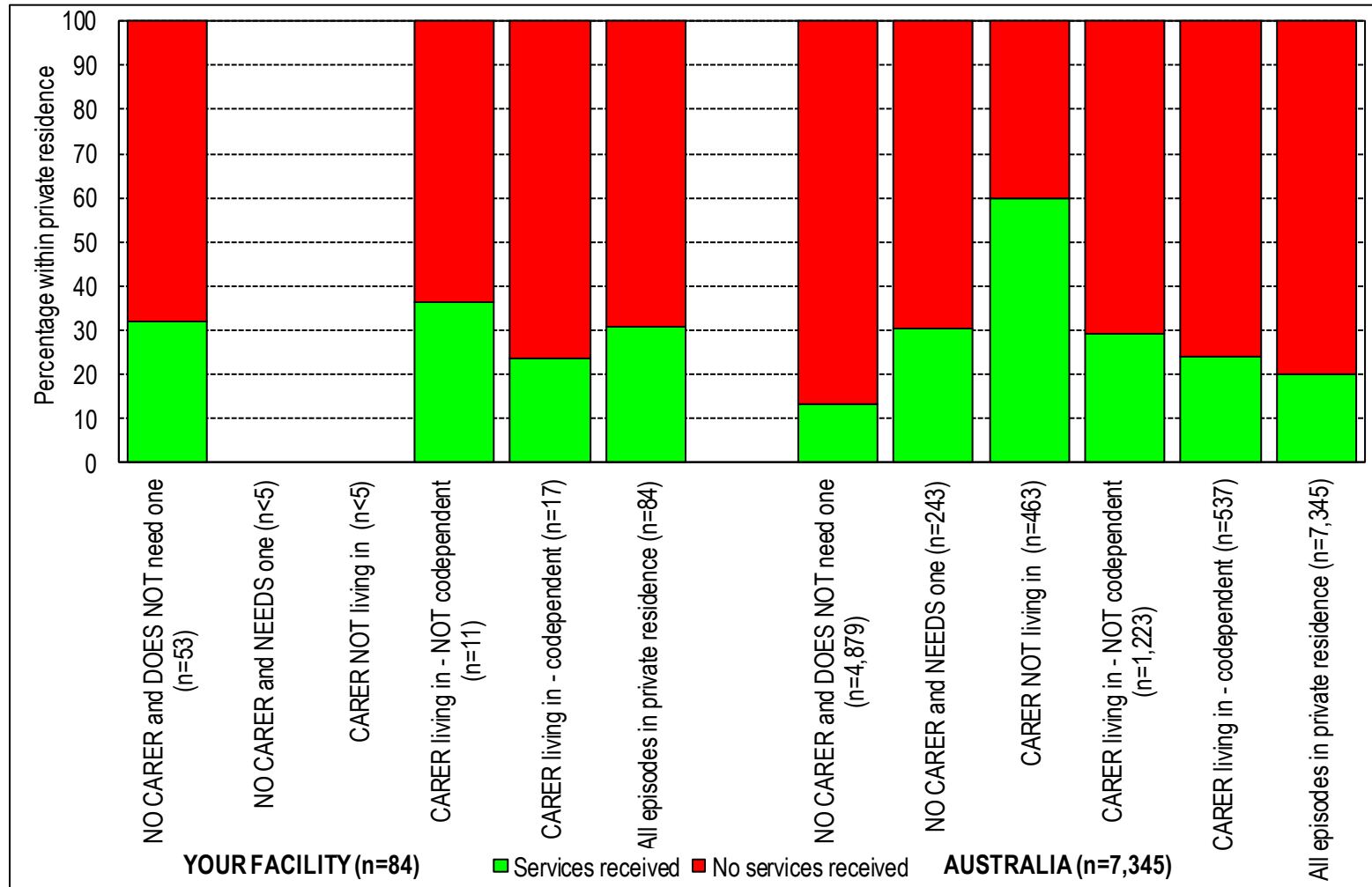
Impairment	AUSTRALIA — N (%)				
	Private residence	Residential Aged		Unknown	All episodes
		Care	Other		
1.1 Haemorrhagic	2,777 (94.6%)	128 (4.4%)	30 (1.0%)	116	3,051 (100.0%)
1.2 Ischaemic	4,910 (95.3%)	196 (3.8%)	45 (0.9%)	66	5,217 (100.0%)
All Stroke impairments	7,687 (95.1%)	324 (4.0%)	75 (0.9%)	182	8,268 (100.0%)

Carer status prior to impairment



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

Any services received prior to impairment



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

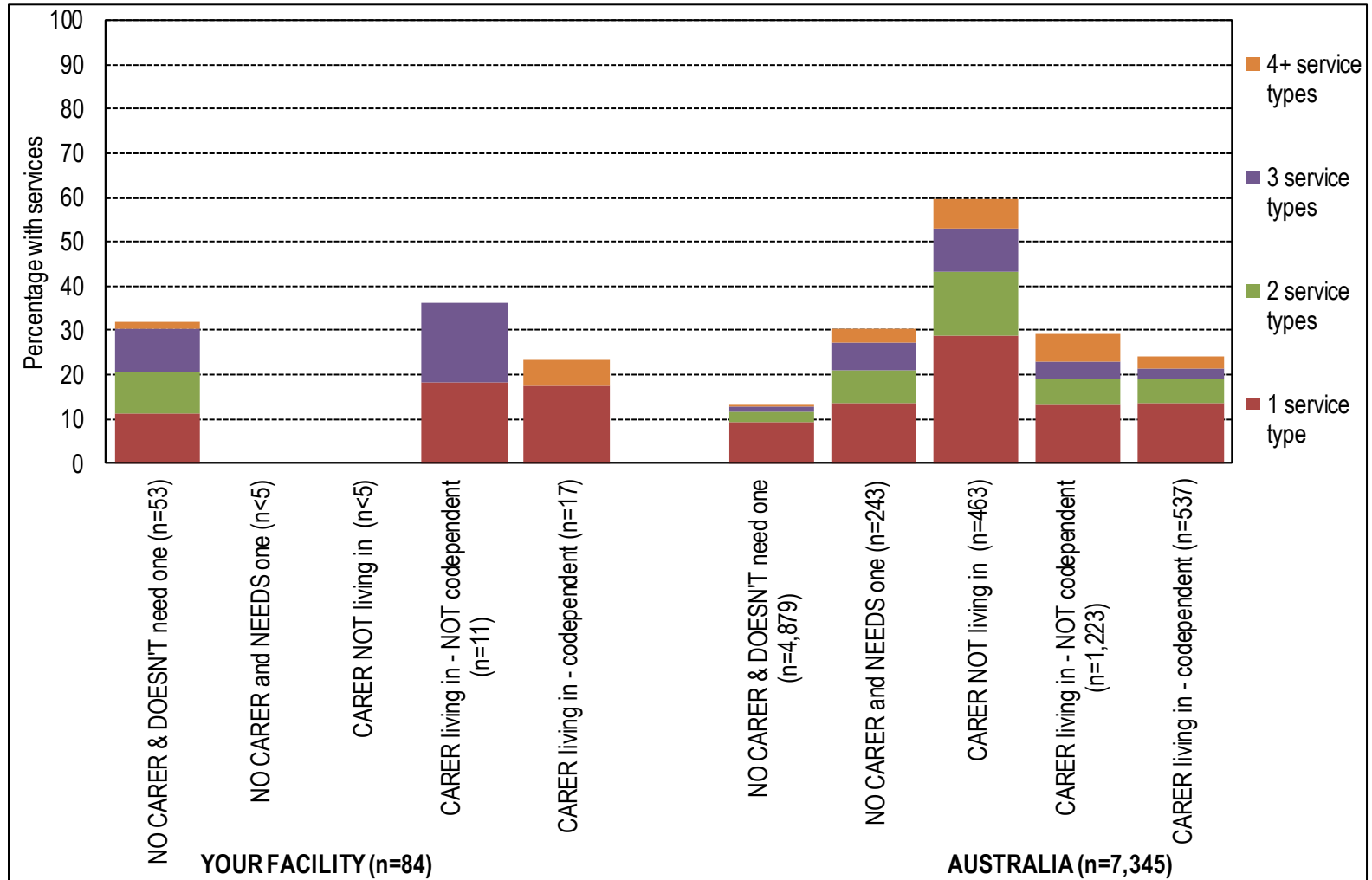
Carer status and any services received prior to impairment

Carer status prior to this impairment	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
NO CARER and DOES NOT need one	53	63.1	4,879	66.4
NO CARER and NEEDS one	2	2.4	243	3.3
CARER NOT living in	1	1.2	463	6.3
CARER living in - NOT codependent	11	13.1	1,223	16.7
CARER living in - codependent	17	20.2	537	7.3
Missing	16		828	
All episodes in private residence	100	100.0	8,173	100.0

Carer status prior to this impairment	Any services received prior to this impairment?			
	YOUR FACILITY		AUSTRALIA	
	Yes (%)	No (%)	Yes (%)	No (%)
NO CARER and DOES NOT need one	32.1	67.9	13.2	86.8
NO CARER and NEEDS one	50.0	50.0	30.5	69.5
CARER NOT living in	0.0	100.0	59.8	40.2
CARER living in - NOT codependent	36.4	63.6	29.3	70.7
CARER living in - codependent	23.5	76.5	24.2	75.8
All episodes in private residence	31.0	69.0	20.2	79.8

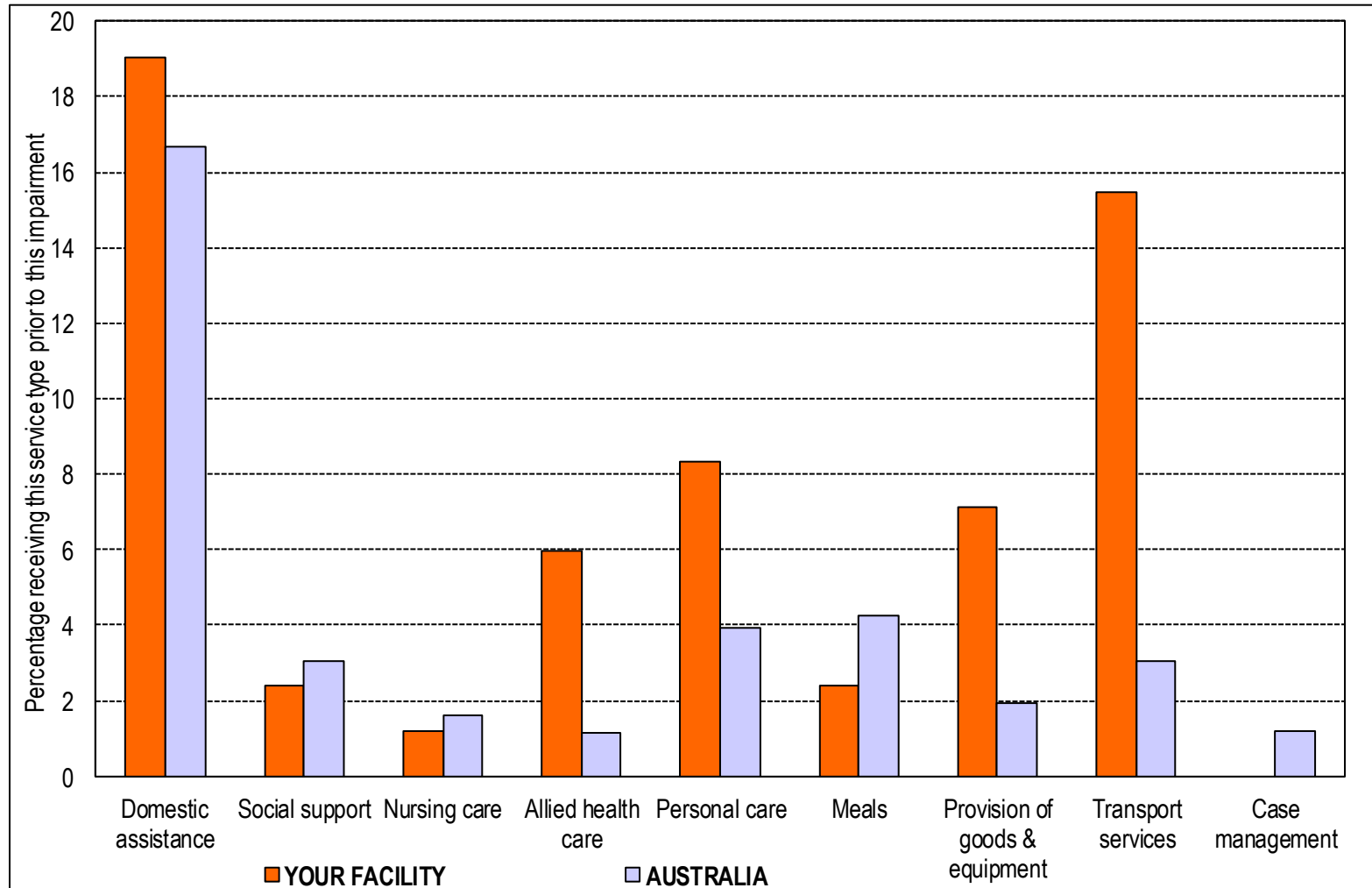
NOTE: Includes only those episodes coming from private residence and with known carer status

Number of services received prior to impairment



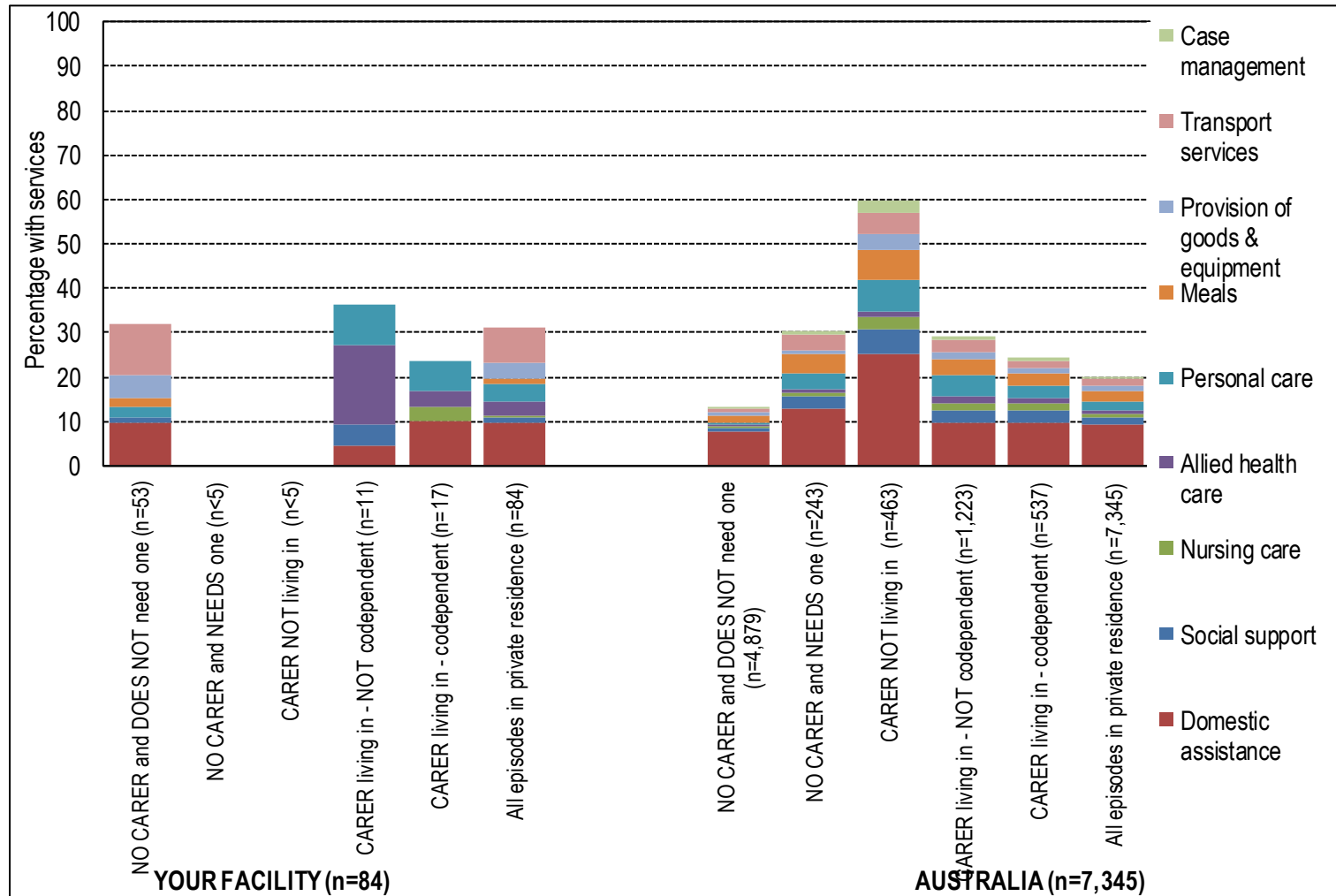
NOTE: Includes only those episodes coming from private residence and with known carer status

Type of services received prior to impairment



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

Type of services received prior to impairment



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

Number and type of services received prior to impairment – YOUR FACILITY

Services received prior to this impairment (NOTE: Accommodation prior is private residence)	Carer status prior to this impairment - YOUR FACILITY					
	NO CARER & DOESN'T 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	53	2	1	11	17	
Percent of episodes receiving:						
No services	67.9	50.0	100.0	63.6	76.5	69.0
1 service type	11.3	50.0	0.0	18.2	17.6	15.5
2 service types	9.4	0.0	0.0	0.0	0.0	6.0
3 service types	9.4	0.0	0.0	18.2	0.0	8.3
4 or more service types	1.9	0.0	0.0	0.0	5.9	1.2
Service Type received						
Domestic assistance	20.8	50.0	0.0	9.1	17.6	19.0
Social support	1.9	0.0	0.0	9.1	0.0	2.4
Nursing care	0.0	0.0	0.0	0.0	5.9	1.2
Allied health care	0.0	0.0	0.0	36.4	5.9	6.0
Personal care	5.7	0.0	0.0	18.2	11.8	8.3
Meals	3.8	0.0	0.0	0.0	0.0	2.4
Provision of goods & equipment	11.3	0.0	0.0	0.0	0.0	7.1
Transport services	24.5	0.0	0.0	0.0	0.0	15.5
Case management	0.0	0.0	0.0	0.0	0.0	0.0

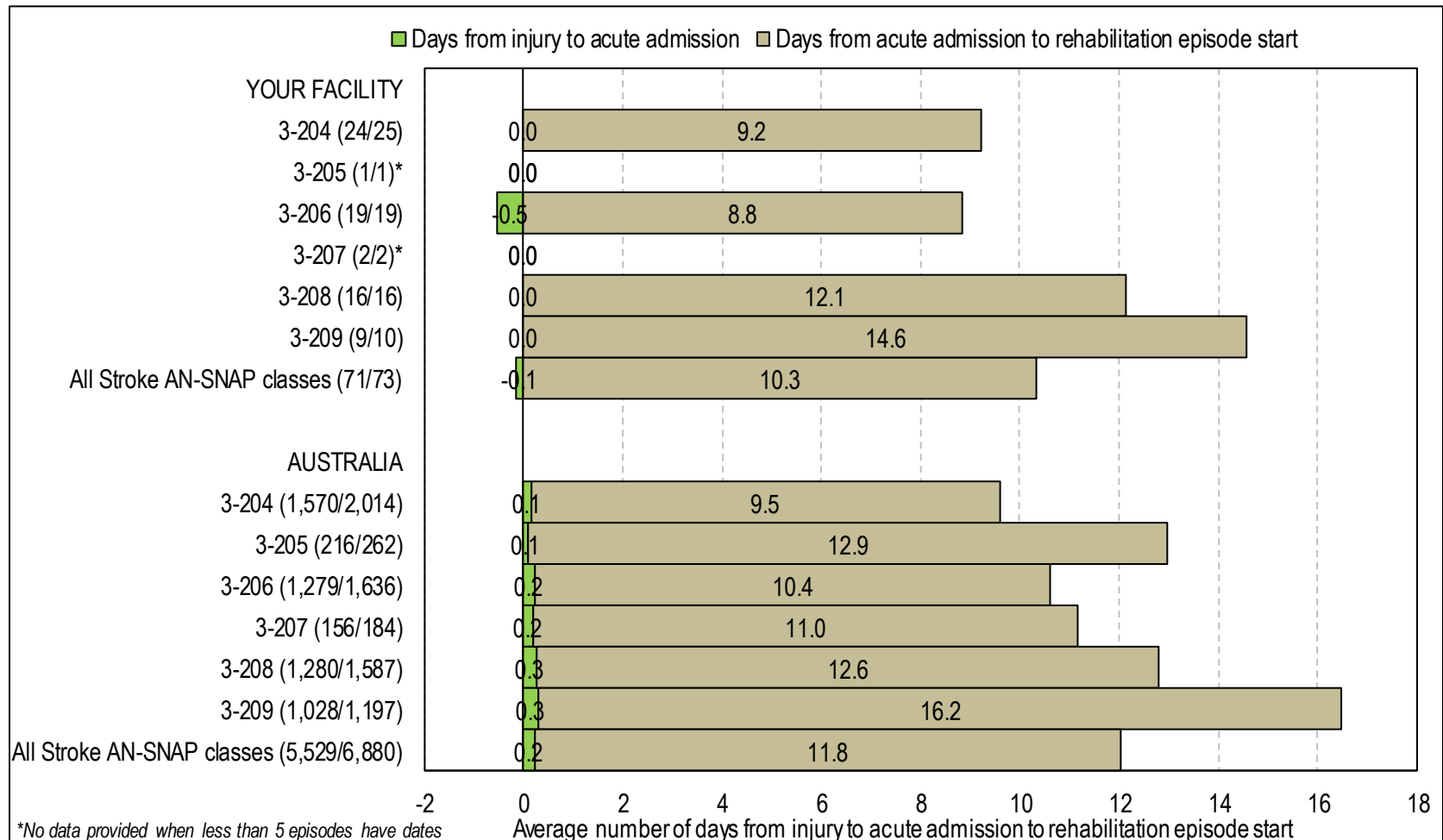
NOTE: Includes only those episodes coming from private residence and with known carer status

Number and type of services received prior to impairment – NATIONAL

Services received prior to this impairment (NOTE: Accommodation prior is private residence)	Carer status prior to this impairment - AUSTRALIA					
	NO CARER & DOESN'T 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	4,879	243	463	1,223	537	
Percent of episodes receiving:						
No services	86.8	69.5	40.2	70.7	75.8	79.8
1 service type	9.2	13.6	28.9	13.1	13.6	11.6
2 service types	2.5	7.4	14.3	6.1	5.6	4.2
3 service types	1.0	6.2	9.9	3.8	2.2	2.3
4 or more service types	0.5	3.3	6.7	6.3	2.8	2.1
Service Type received						
Domestic assistance	11.6	25.5	49.9	22.0	17.9	16.7
Social support	1.0	5.3	11.0	6.9	4.8	3.1
Nursing care	0.5	1.6	5.6	3.7	3.4	1.6
Allied health care	0.3	1.6	2.4	3.5	2.2	1.1
Personal care	1.1	7.0	14.3	10.5	5.0	3.9
Meals	2.0	8.6	13.4	8.4	5.2	4.2
Provision of goods & equipment	1.0	2.1	7.3	3.4	1.9	1.9
Transport services	1.4	6.6	9.7	6.5	3.2	3.0
Case management	0.5	2.1	5.4	2.4	0.9	1.2

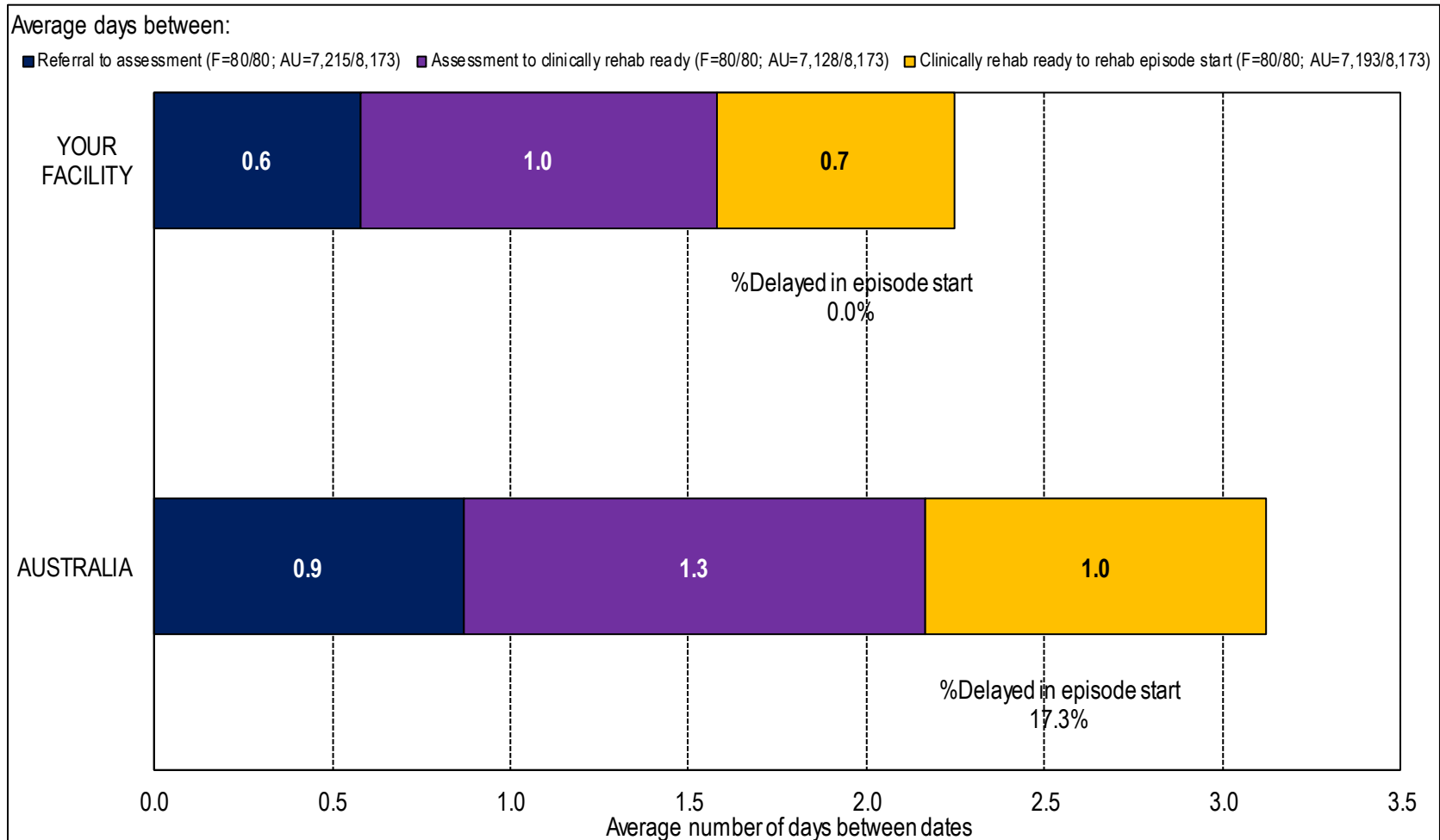
NOTE: Includes only those episodes coming from private residence and with known carer status

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

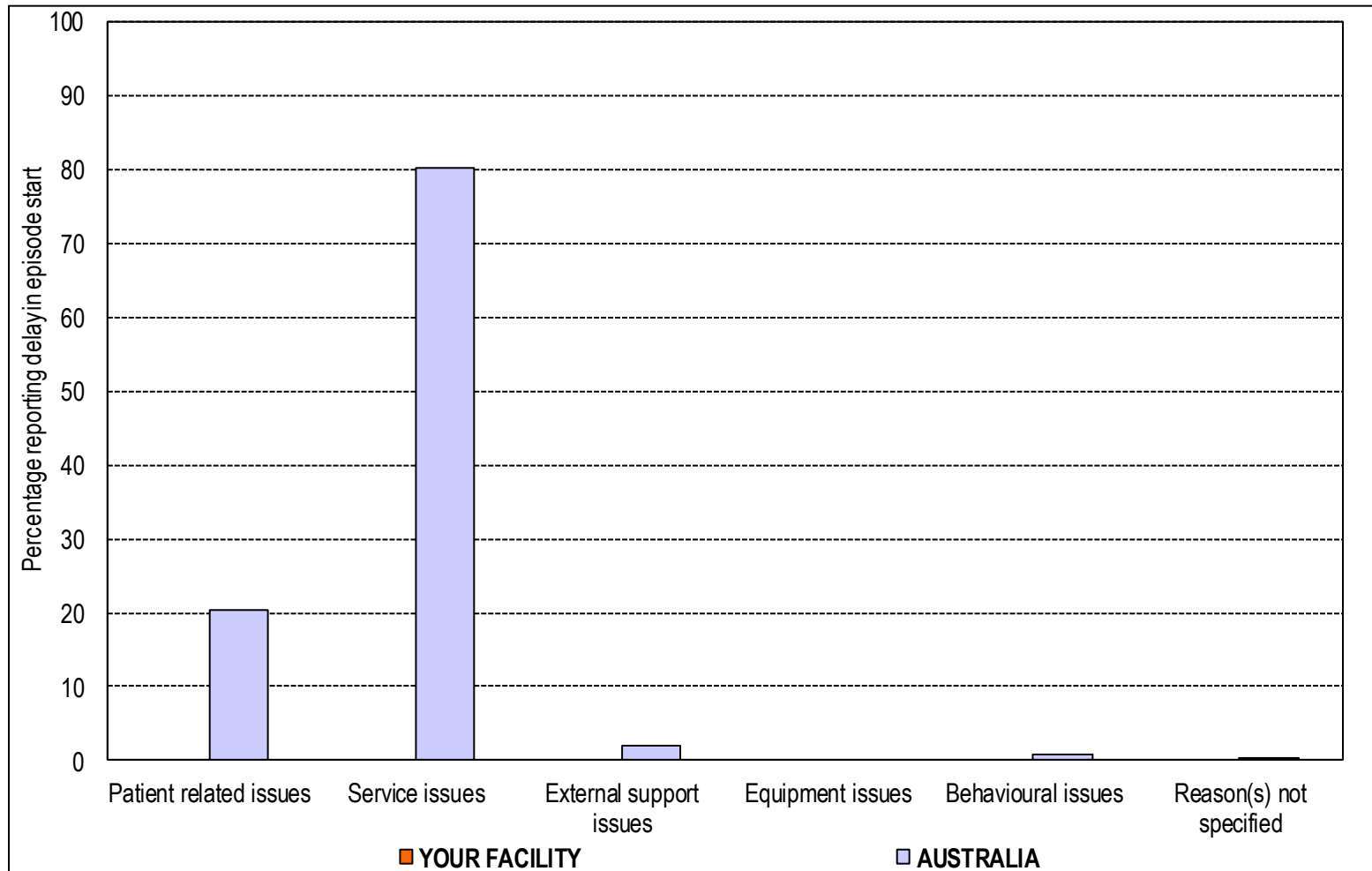


NOTE: Includes first admissions only

Days from referral to rehabilitation episode start



Type of delay in episode start

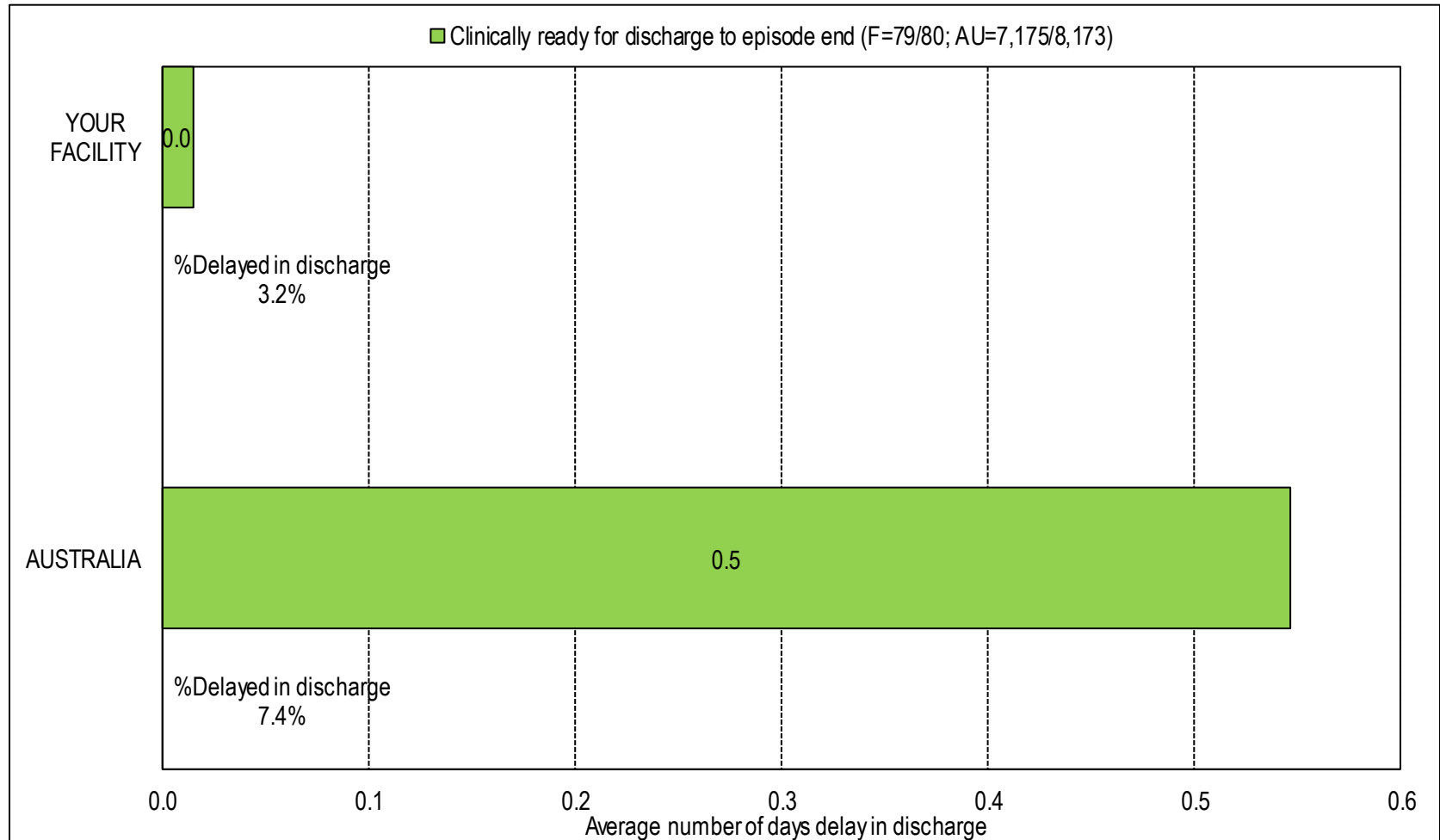


Delays in episode start

Delay in episode start	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
No delay	98	100.0	6,474	82.7
Delay in episode start	0	0.0	1,350	17.3
Missing	2		349	
All episodes in private residence	100	100.0	8,173	100.0

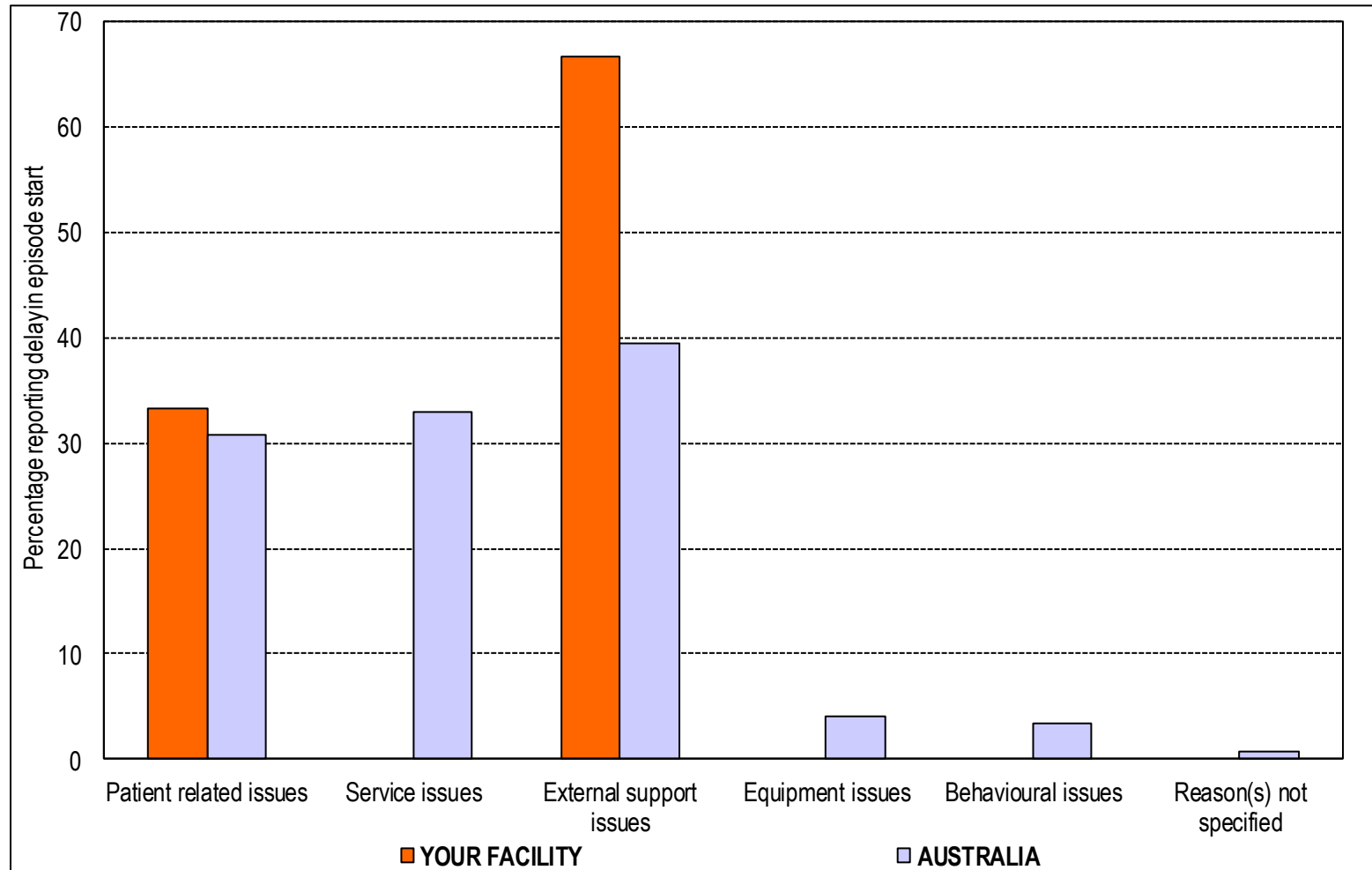
Reasons for delay in episode start	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
Patient related issues	0	—	275	20.4
Service issues	0	—	1,082	80.1
External support issues	0	—	26	1.9
Equipment issues	0	—	0	0.0
Behavioural issues	0	—	10	0.7
Reason(s) not specified	0	—	5	0.4

Days from clinically ready to discharge



NOTE: Includes completed episodes only

Type of delay in episode end



NOTE: Includes completed episodes only

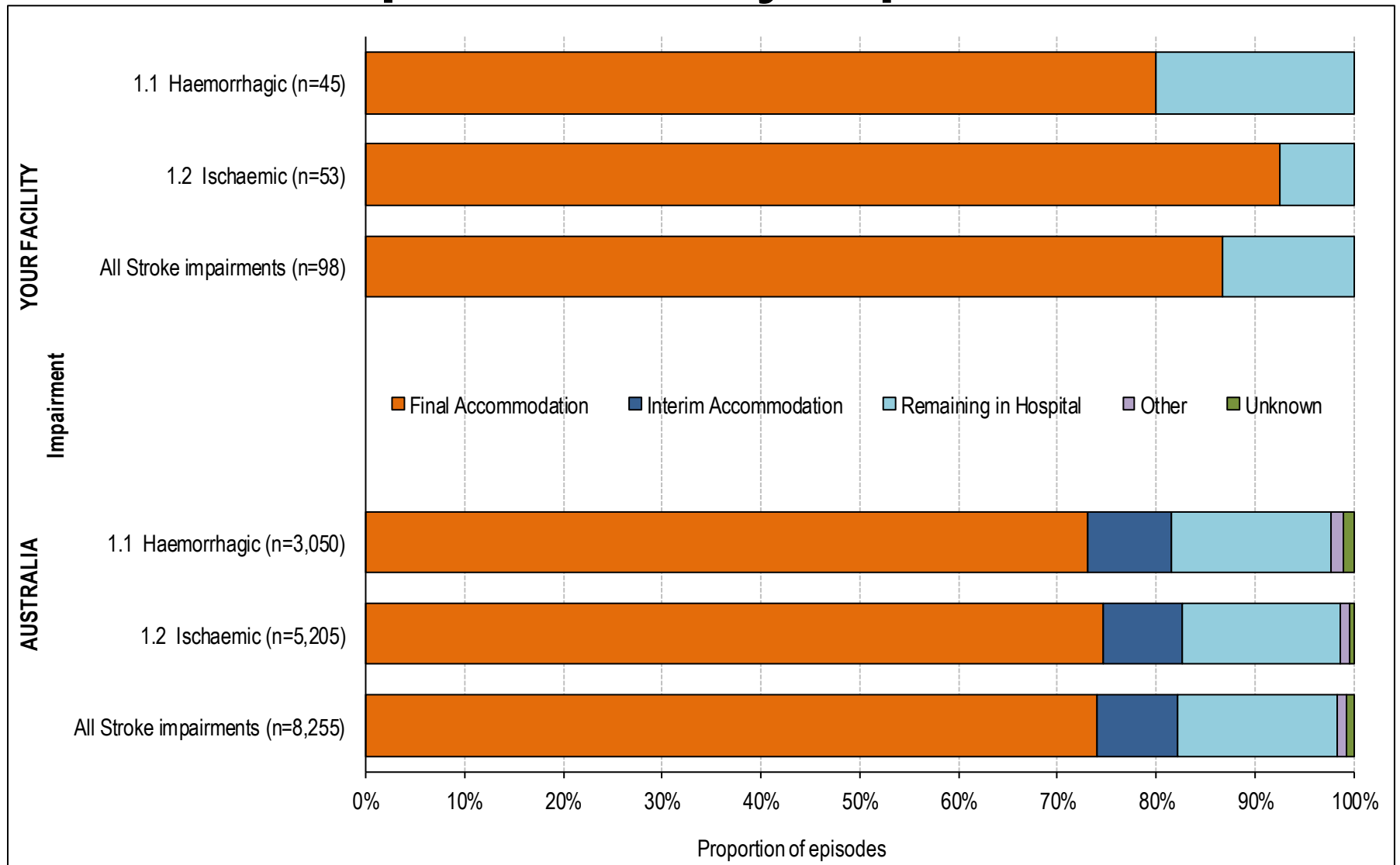
Delays in episode end

Delay in discharge	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
No delay	91	96.8	7,094	92.6
Delay in discharge	3	3.2	566	7.4
Missing	6		513	
All episodes	100	100.0	8,173	100.0

Reasons for delay in discharge	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
Patient related issues	1	33.3	174	30.7
Service issues	0	0.0	186	32.9
External support issues	2	66.7	223	39.4
Equipment issues	0	0.0	23	4.1
Behavioural issues	0	0.0	19	3.4
Reason(s) not specified	0	0.0	4	0.7

NOTE: Includes completed episodes only

Mode of episode end by impairment code

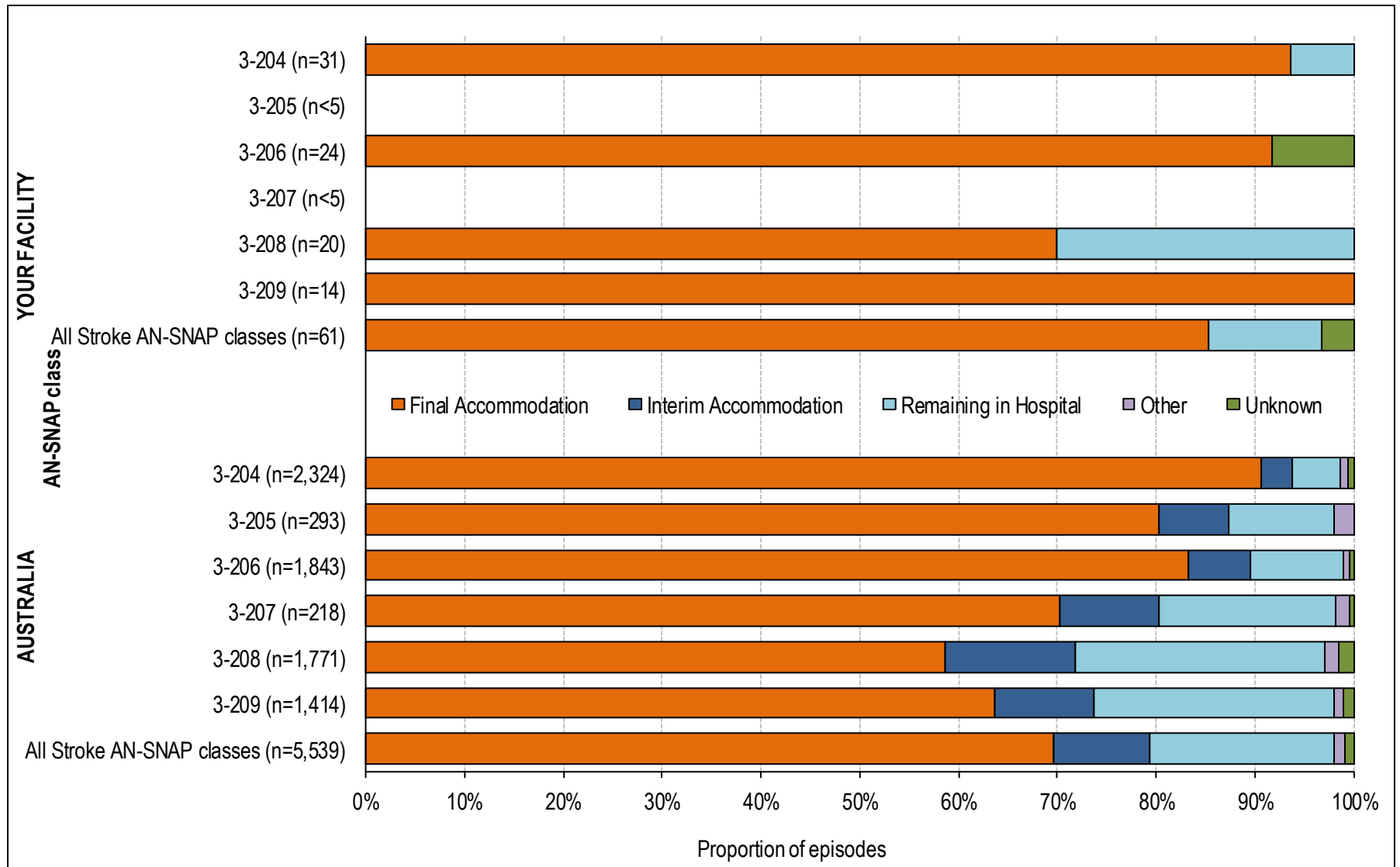


Mode of episode end by impairment code

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	36	0	9	0	0	2,229	256	494	38	33
1.2 Ischaemic	49	0	4	0	0	3,883	416	833	47	26
All Stroke impairments	85	0	13	0	0	6,112	672	1,327	85	59

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	80.0	0.0	20.0	0.0	0.0	73.1	8.4	16.2	1.2	1.1
1.2 Ischaemic	92.5	0.0	7.5	0.0	0.0	74.6	8.0	16.0	0.9	0.5
All Stroke impairments	86.7	0.0	13.3	0.0	0.0	74.0	8.1	16.1	1.0	0.7

Mode of episode end by AN-SNAP class

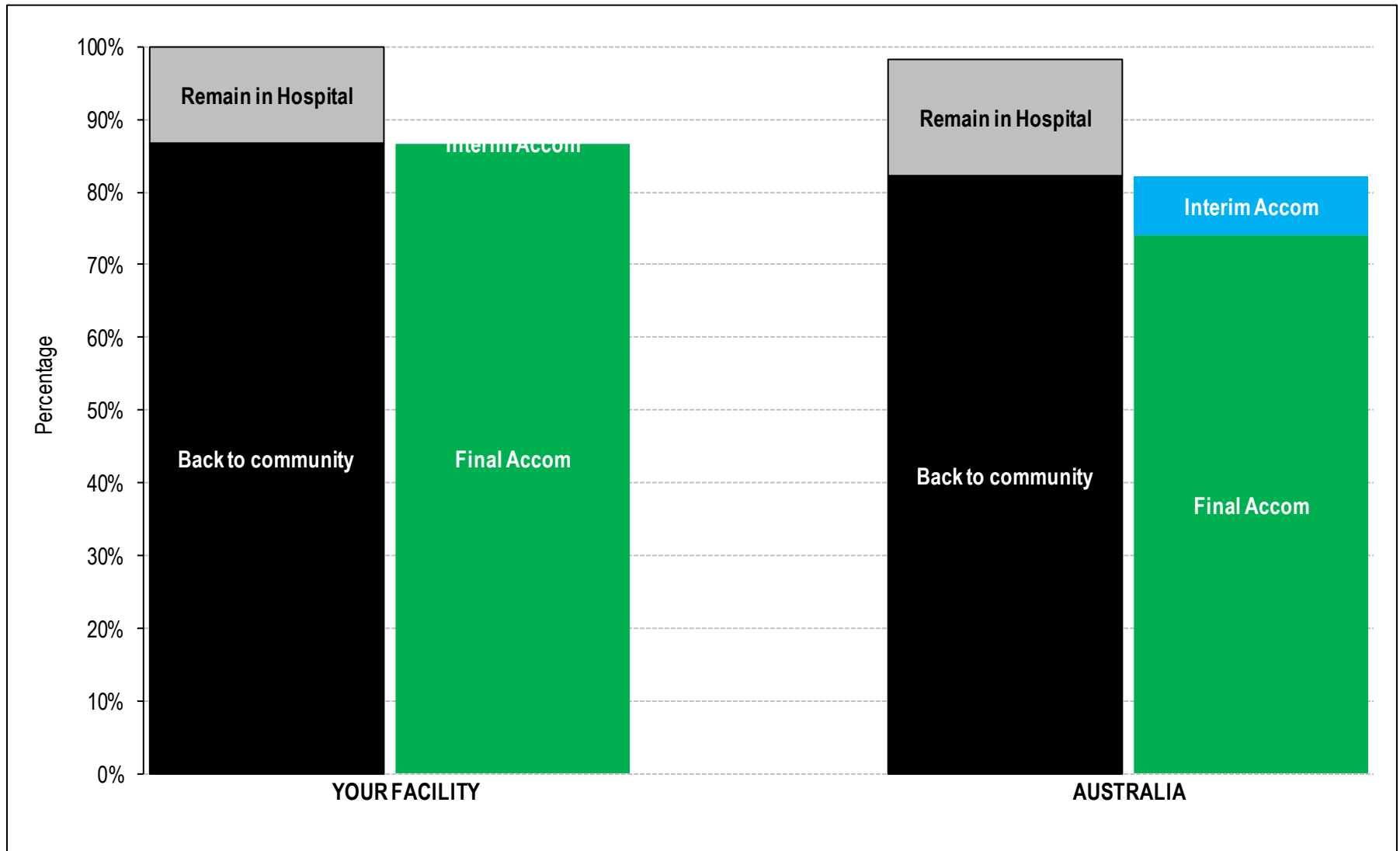


Mode of episode end by AN-SNAP class

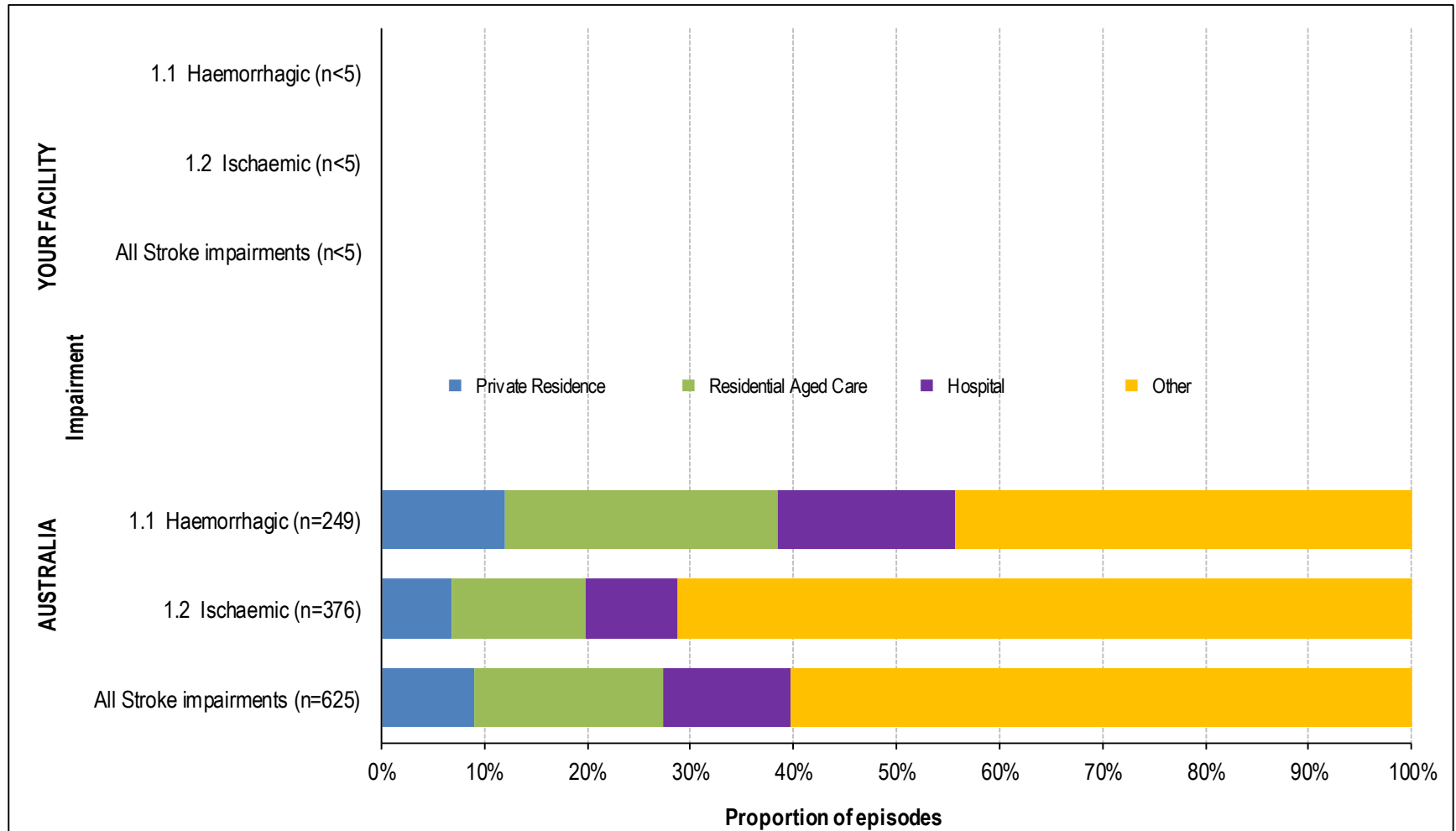
AN-SNAP class	YOUR FACILITY					AUSTRALIA				
	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown
3-204 (FIM motor 63-91, FIM cognition 20-35)	29	0	2	0	0	2,105	72	115	19	13
3-205 (FIM motor 63-91, FIM cognition 5-19)	0	0	1	0	0	235	21	31	6	0
3-206 (FIM motor 47-62, FIM cognition 16-35)	22	0	0	0	2	1,533	117	174	12	7
3-207 (FIM motor 47-62, FIM cognition 5-15)	2	0	0	0	0	153	22	39	3	1
3-208 (FIM motor 14-46, age>=75)	14	0	6	0	0	1,038	233	448	25	27
3-209 (FIM motor 14-46, age<=74)	14	0	0	0	0	901	141	344	13	15
All Stroke AN-SNAP classes	52	0	7	0	2	3,860	534	1,036	59	50

AN-SNAP class	YOUR FACILITY					AUSTRALIA				
	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown
3-204 (FIM motor 63-91, FIM cognition 20-35)	93.5	0.0	6.5	0.0	0.0	90.6	3.1	4.9	0.8	0.6
3-205 (FIM motor 63-91, FIM cognition 5-19)	0.0	0.0	100.0	0.0	0.0	80.2	7.2	10.6	2.0	0.0
3-206 (FIM motor 47-62, FIM cognition 16-35)	91.7	0.0	0.0	0.0	8.3	83.2	6.3	9.4	0.7	0.4
3-207 (FIM motor 47-62, FIM cognition 5-15)	100.0	0.0	0.0	0.0	0.0	70.2	10.1	17.9	1.4	0.5
3-208 (FIM motor 14-46, age>=75)	70.0	0.0	30.0	0.0	0.0	58.6	13.2	25.3	1.4	1.5
3-209 (FIM motor 14-46, age<=74)	100.0	0.0	0.0	0.0	0.0	63.7	10.0	24.3	0.9	1.1
All Stroke AN-SNAP classes	85.2	0.0	11.5	0.0	3.3	69.7	9.6	18.7	1.1	0.9

Mode of episode end



Interim accommodation post discharge by impairment



NOTE: Includes only those episodes with mode of episode end equal to interim accommodation – new to V4 dataset

Interim accommodation post discharge by impairment

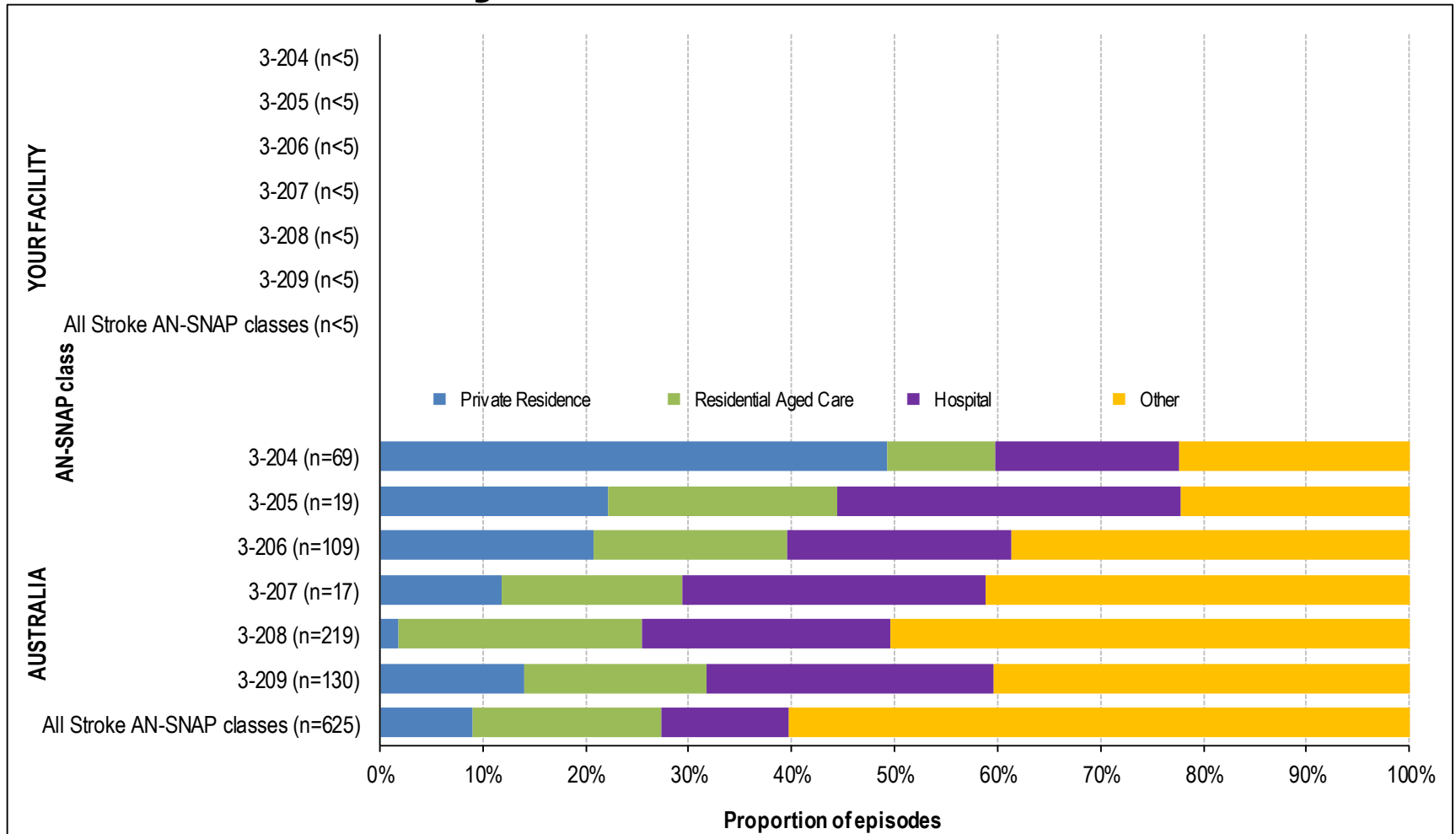
Impairment	YOUR FACILITY — N (%)					
	Private residence	Residential Aged		Hospital	Other	All episodes**
		Care				
1.1 Haemorrhagic	0 —	0 —	0 —	0 —	0 —	
1.2 Ischaemic	0 —	0 —	0 —	0 —	0 —	
All Stroke impairments	0 —	0 —	0 —	0 —	0 —	

Impairment	AUSTRALIA — N (%)					
	Private residence	Residential Aged		Hospital	Other	All episodes**
		Care				
1.1 Haemorrhagic	27 (11.2%)	60 (24.8%)	39 (16.1%)	100 (41.3%)	249 (100.0%)	
1.2 Ischaemic	23 (6.1%)	43 (11.4%)	30 (8.0%)	238 (63.3%)	376 (100.0%)	
All Stroke impairments	50 (8.9%)	103 (18.4%)	69 (12.3%)	338 (60.4%)	625 (100.0%)	

** There were 65 episodes in AUSTRALIA with unknown interim accommodation

NOTE: Includes only those episodes with mode of episode end equal to interim accommodation – new to V4 dataset

Interim accommodation post discharge by AN-SNAP class



NOTE: Includes only those episodes with mode of episode end equal to interim accommodation – new to V4 dataset

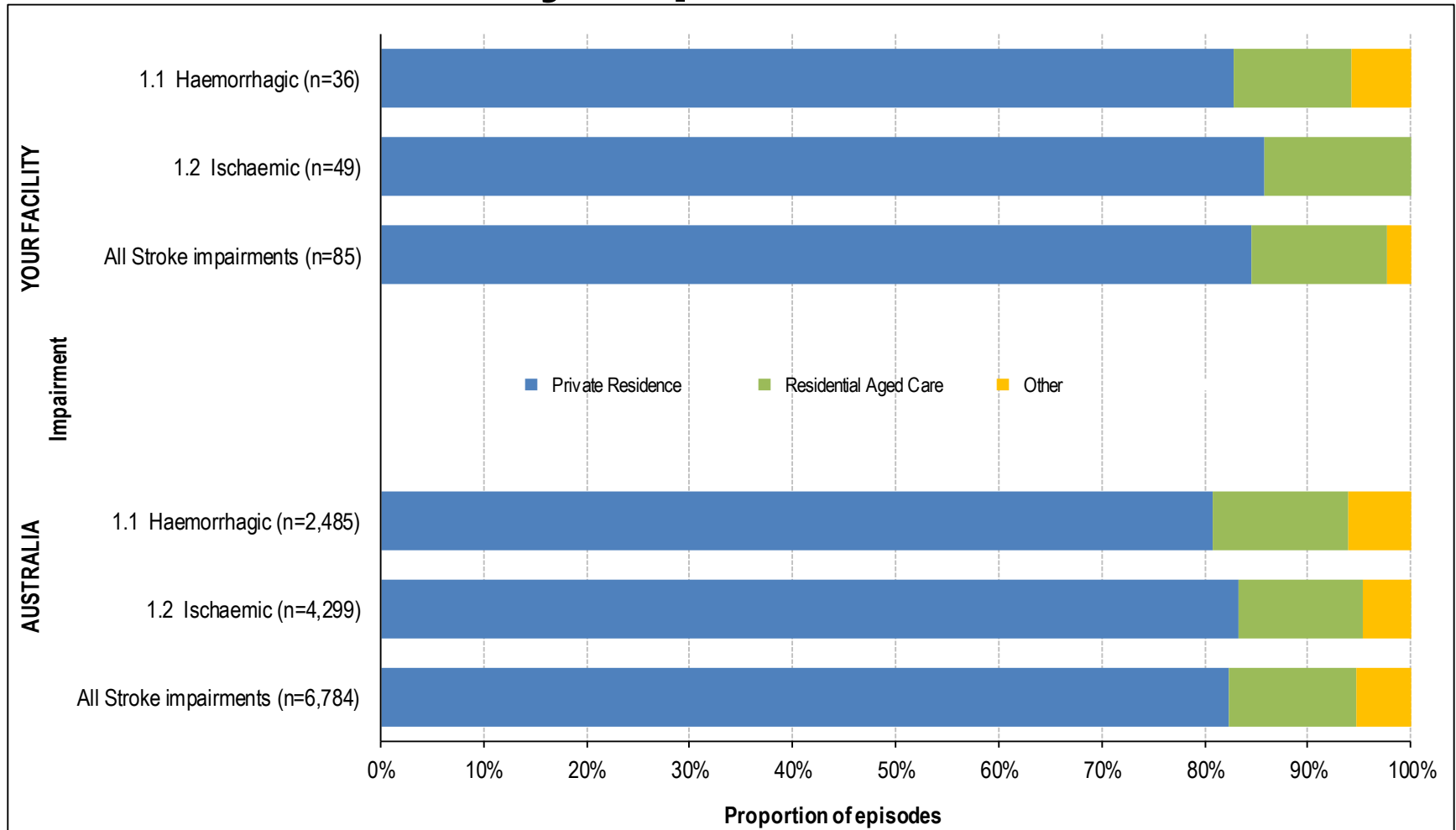
Interim accommodation post discharge by AN-SNAP class

YOUR FACILITY — N (%)					
AN-SNAP class	Private residence	Residential Aged			All episodes**
		Care	Hospital	Other	
3-204 (FIM motor 63-91, FIM cognition 20-35)	0 —	0 —	0 —	0 —	0 —
3-205 (FIM motor 63-91, FIM cognition 5-19)	0 —	0 —	0 —	0 —	0 —
3-206 (FIM motor 47-62, FIM cognition 16-35)	0 —	0 —	0 —	0 —	0 —
3-207 (FIM motor 47-62, FIM cognition 5-15)	0 —	0 —	0 —	0 —	0 —
3-208 (FIM motor 14-46, age>=75)	0 —	0 —	0 —	0 —	0 —
3-209 (FIM motor 14-46, age<=74)	0 —	0 —	0 —	0 —	0 —
All Stroke AN-SNAP classes	0 —	0 —	0 —	0 —	0 —
AUSTRALIA — N (%)					
AN-SNAP class	Private residence	Residential Aged			All episodes**
		Care	Hospital	Other	
3-204 (FIM motor 63-91, FIM cognition 20-35)	33 (49.3%)	7 (10.4%)	12 (17.9%)	15 (22.4%)	69 (100.0%)
3-205 (FIM motor 63-91, FIM cognition 5-19)	4 (22.2%)	4 (22.2%)	6 (33.3%)	4 (22.2%)	19 (100.0%)
3-206 (FIM motor 47-62, FIM cognition 16-35)	22 (20.8%)	20 (18.9%)	23 (21.7%)	41 (38.7%)	109 (100.0%)
3-207 (FIM motor 47-62, FIM cognition 5-15)	2 (11.8%)	3 (17.6%)	5 (29.4%)	7 (41.2%)	17 (100.0%)
3-208 (FIM motor 14-46, age>=75)	4 (1.9%)	51 (23.6%)	52 (24.1%)	109 (50.5%)	219 (100.0%)
3-209 (FIM motor 14-46, age<=74)	18 (14.0%)	23 (17.8%)	36 (27.9%)	52 (40.3%)	130 (100.0%)
All Stroke AN-SNAP classes	50 (8.9%)	103 (18.4%)	69 (12.3%)	338 (60.4%)	625 (100.0%)

** There were 65 episodes in AUSTRALIA with unknown interim accommodation

NOTE: Includes only those episodes with mode of episode end equal to interim accommodation – new to V4 dataset

Final accommodation post discharge by impairment



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

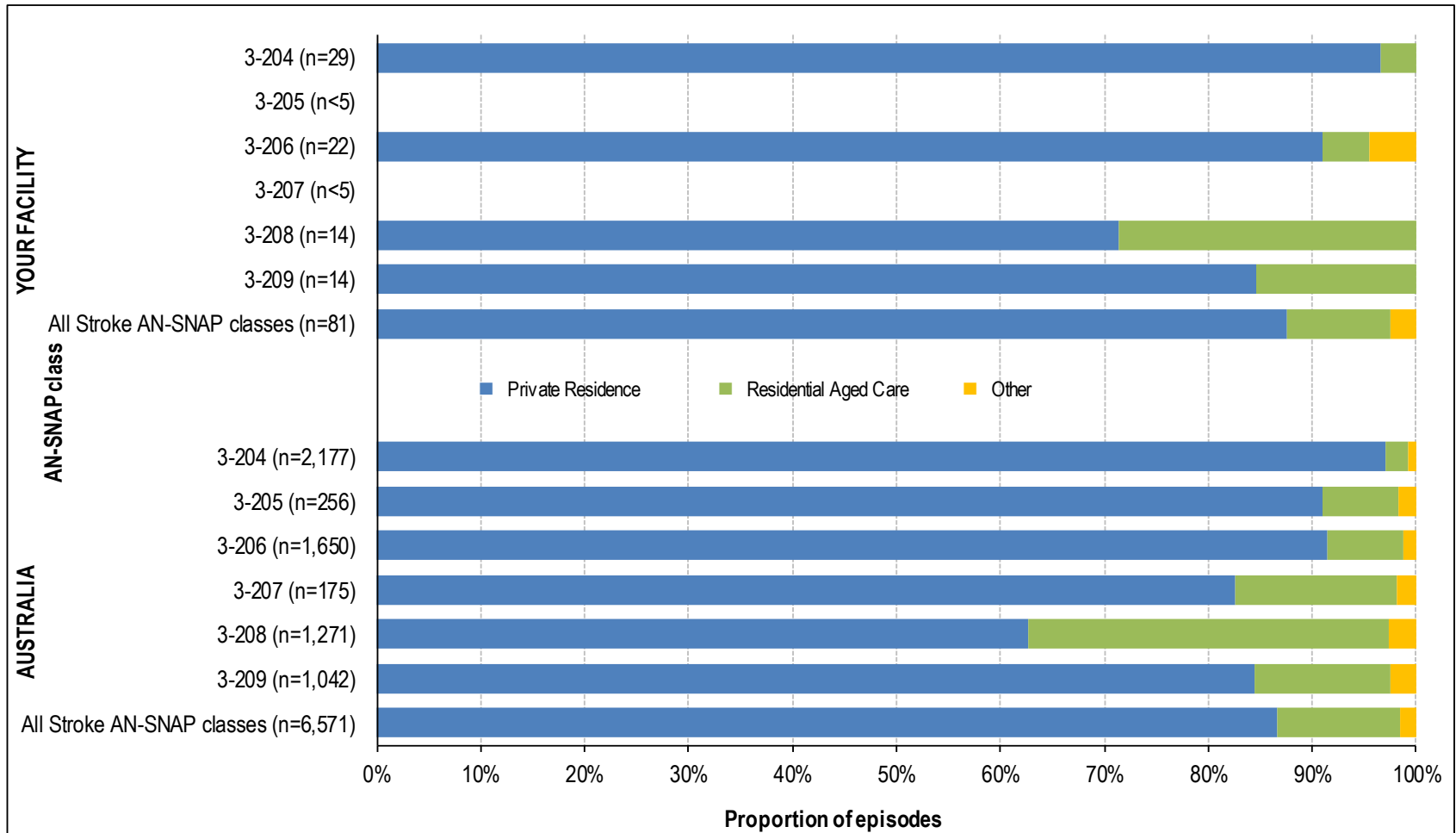
Final accommodation post discharge by impairment

Impairment	YOUR FACILITY — N (%)				
	Private residence	Residential Aged Care	Other	Unknown	All episodes
	1.1 Haemorrhagic	29 (82.9%)	4 (11.4%)	2 (5.7%)	1
1.2 Ischaemic	42 (85.7%)	7 (14.3%)	0 (0.0%)	0	49 (100.0%)
All Stroke impairments	71 (84.5%)	11 (13.1%)	2 (2.4%)	1	85 (100.0%)

Impairment	AUSTRALIA — N (%)				
	Private residence	Residential Aged Care	Other	Unknown	All episodes
	1.1 Haemorrhagic	1,969 (80.8%)	319 (13.1%)	148 (6.1%)	49
1.2 Ischaemic	3,541 (83.2%)	512 (12.0%)	201 (4.7%)	45	4,299 (100.0%)
All Stroke impairments	5,510 (82.4%)	831 (12.4%)	349 (5.2%)	94	6,784 (100.0%)

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



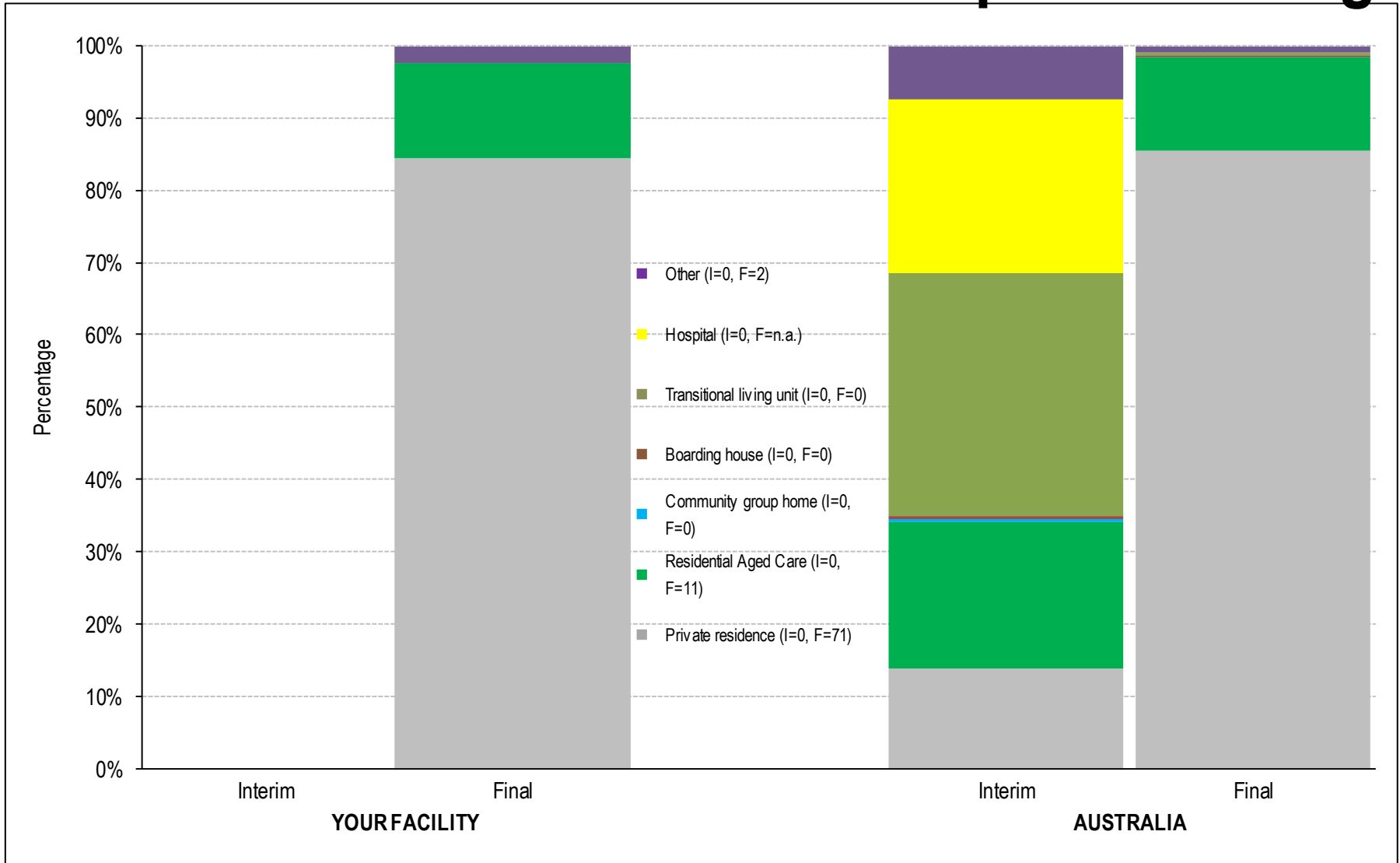
NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

Final accommodation post discharge by AN-SNAP class

YOUR FACILITY — N (%)					
AN-SNAP class	Private residence	Residential Aged			All episodes
		Care	Other	Unknown	
3-204 (FIM motor 63-91, FIM cognition 20-35)	28 (96.6%)	1 (3.4%)	0 (0.0%)	0	29 (100.0%)
3-205 (FIM motor 63-91, FIM cognition 5-19)	0 —	0 —	0 —	0	0 —
3-206 (FIM motor 47-62, FIM cognition 16-35)	20 (90.9%)	1 (4.5%)	1 (4.5%)	0	22 (100.0%)
3-207 (FIM motor 47-62, FIM cognition 5-15)	1 (50.0%)	0 (0.0%)	1 (50.0%)	0	2 (100.0%)
3-208 (FIM motor 14-46, age>=75)	10 (71.4%)	4 (28.6%)	0 (0.0%)	0	14 (100.0%)
3-209 (FIM motor 14-46, age<=74)	11 (84.6%)	2 (15.4%)	0 (0.0%)	1	14 (100.0%)
All Stroke AN-SNAP classes	70 (87.5%)	8 (10.0%)	2 (2.5%)	1	81 (100.0%)
AUSTRALIA — N (%)					
AN-SNAP class	Private residence	Residential Aged			All episodes
		Care	Other	Unknown	
3-204 (FIM motor 63-91, FIM cognition 20-35)	2,061 (97.0%)	48 (2.3%)	15 (0.7%)	53	2,177 (100.0%)
3-205 (FIM motor 63-91, FIM cognition 5-19)	222 (91.0%)	18 (7.4%)	4 (1.6%)	12	256 (100.0%)
3-206 (FIM motor 47-62, FIM cognition 16-35)	1,450 (91.4%)	116 (7.3%)	20 (1.3%)	64	1,650 (100.0%)
3-207 (FIM motor 47-62, FIM cognition 5-15)	137 (82.5%)	26 (15.7%)	3 (1.8%)	9	175 (100.0%)
3-208 (FIM motor 14-46, age>=75)	730 (62.7%)	405 (34.8%)	30 (2.6%)	106	1,271 (100.0%)
3-209 (FIM motor 14-46, age<=74)	822 (84.5%)	127 (13.1%)	24 (2.5%)	69	1,042 (100.0%)
All Stroke AN-SNAP classes	5,422 (86.6%)	740 (11.8%)	96 (1.5%)	313	6,571 (100.0%)

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

Interim and final accommodation post discharge



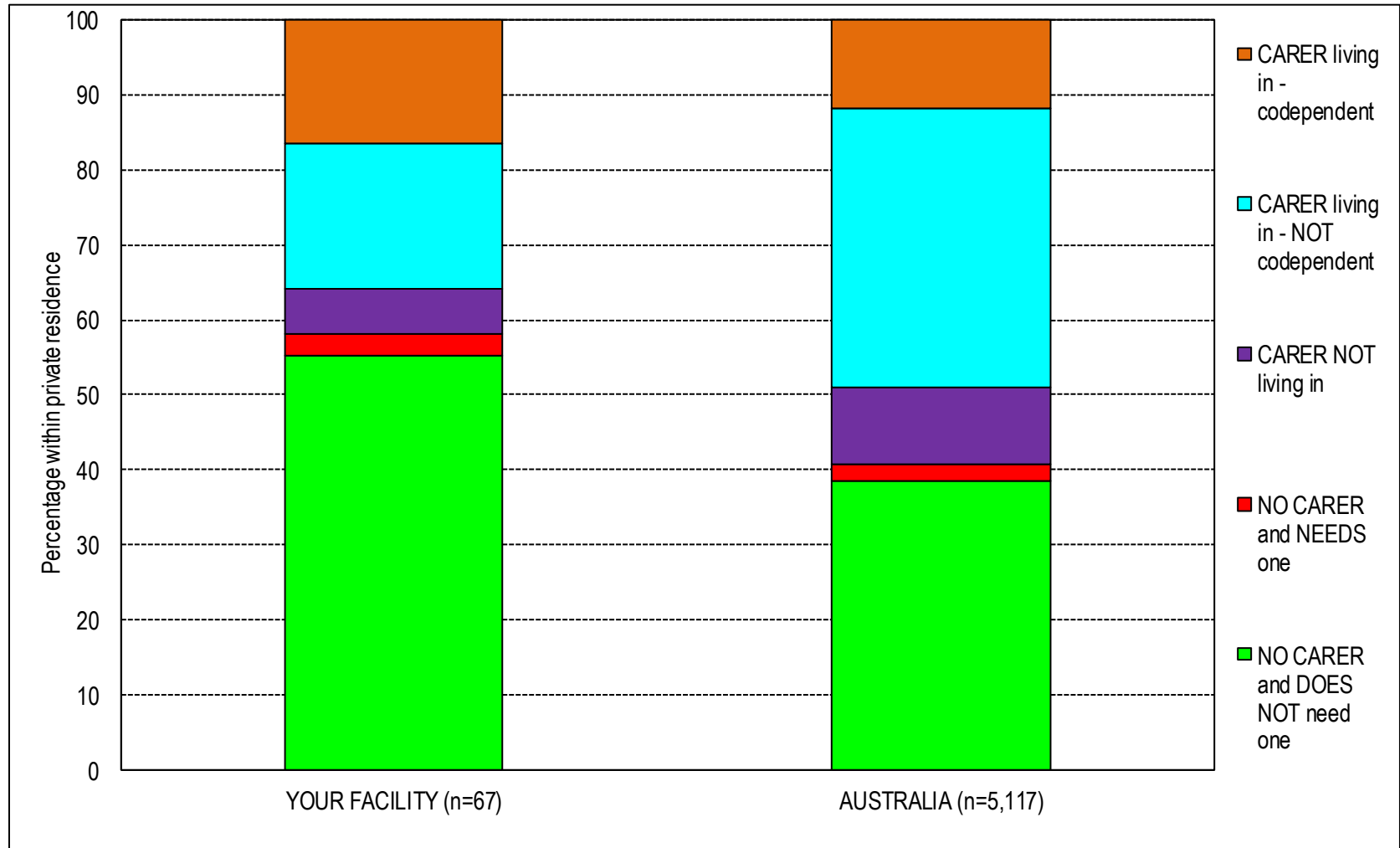
NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

Interim and final accommodation post discharge

ACCOMMODATION	YOUR FACILITY		AUSTRALIA	
	Interim (%)	Final (%)	Interim (%)	Final (%)
Private residence	0 (—)	71 (84.5%)	85 (13.8%)	5,510 (85.5%)
Residential Aged Care	0 (—)	11 (13.1%)	125 (20.3%)	831 (12.9%)
Community group home	0 (—)	0 (0.0%)	2 (0.3%)	7 (0.1%)
Boarding house	0 (—)	0 (0.0%)	3 (0.5%)	9 (0.1%)
Transitional living unit	0 (—)	0 (0.0%)	207 (33.7%)	24 (0.4%)
Hospital	0 (—)	n.a.	147 (23.9%)	n.a.
Other	0 (—)	2 (2.4%)	46 (7.5%)	66 (1.0%)
Missing	0	0	10	243
All episodes	0 (—)	84 (100.0%)	625 (100.0%)	6,690 (100.0%)

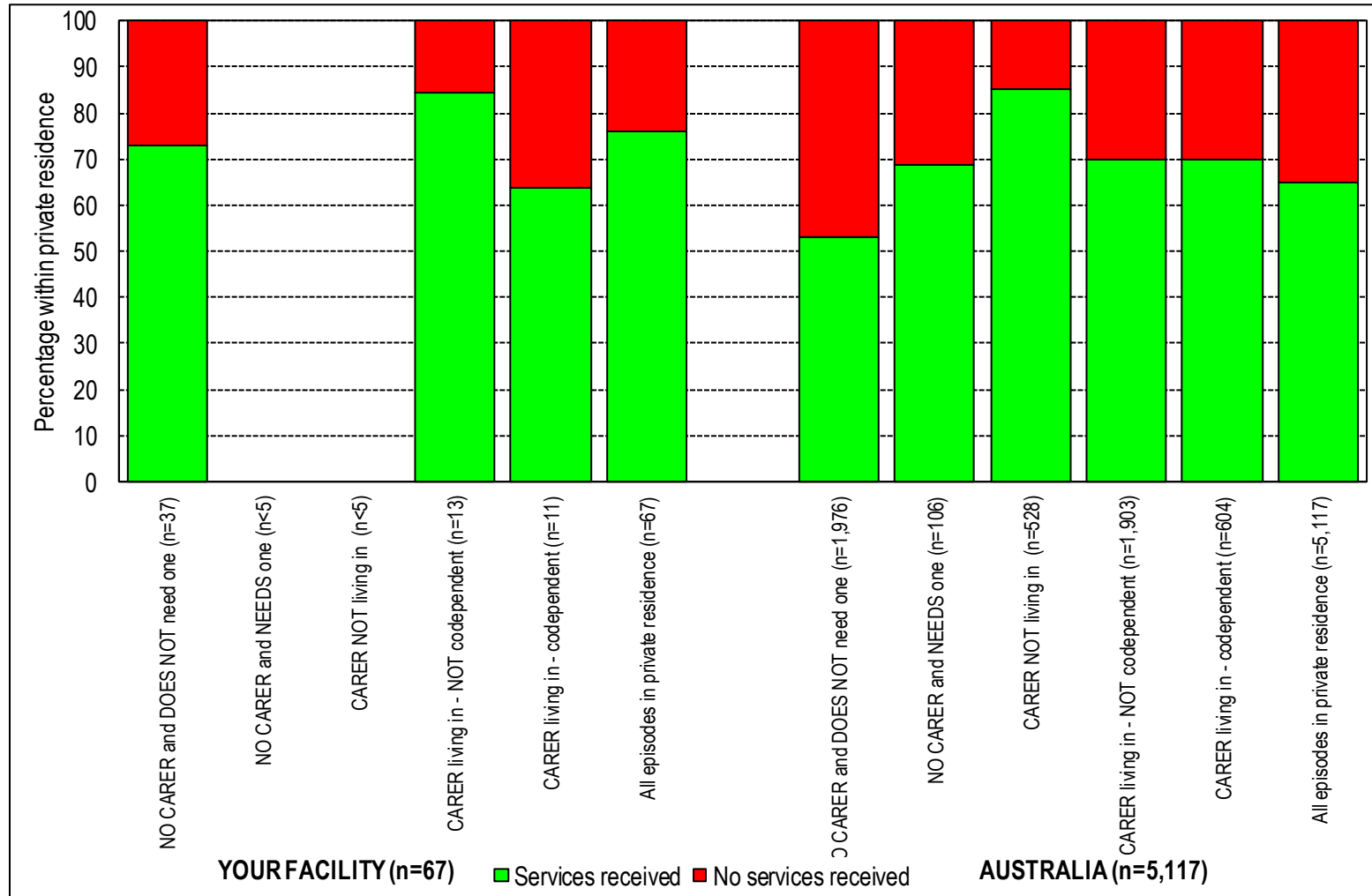
NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

Carer status post discharge



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

Any services received post discharge



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

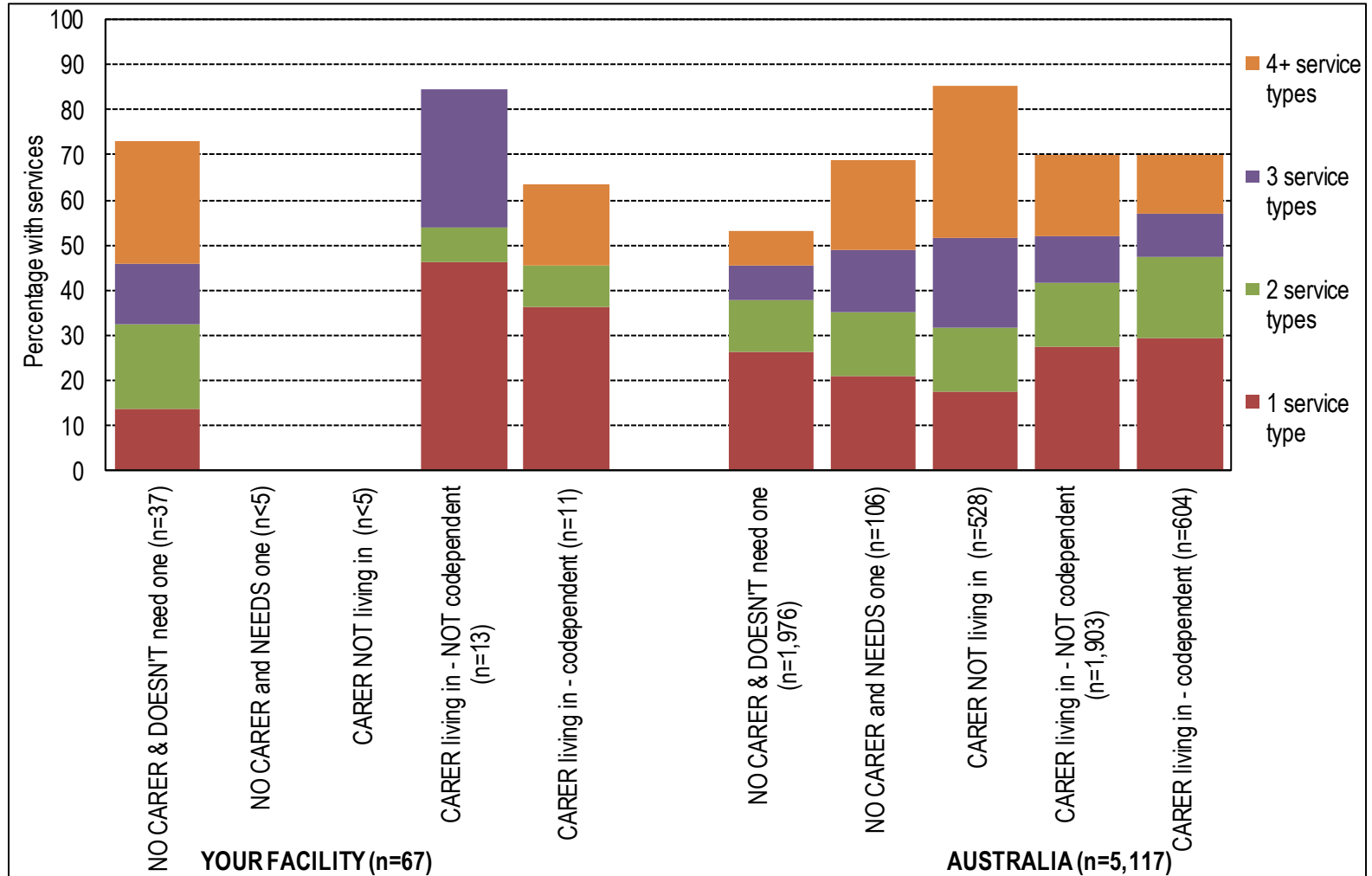
Carer status and any services received post discharge

Carer status post discharge	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
NO CARER and DOES NOT need one	37	55.2	1,976	38.6
NO CARER and NEEDS one	2	3.0	106	2.1
CARER NOT living in	4	6.0	528	10.3
CARER living in - NOT codependent	13	19.4	1,903	37.2
CARER living in - codependent	11	16.4	604	11.8
Missing	0		0	
All episodes in private residence	67	100.0	5,117	100.0

Carer status post discharge	Any services received post discharge?			
	YOUR FACILITY		AUSTRALIA	
	Yes (%)	No (%)	Yes (%)	No (%)
NO CARER and DOES NOT need one	73.0	27.0	53.2	46.8
NO CARER and NEEDS one	100.0	0.0	68.9	31.1
CARER NOT living in	100.0	0.0	85.2	14.8
CARER living in - NOT codependent	84.6	15.4	70.0	30.0
CARER living in - codependent	63.6	36.4	69.9	30.1
All episodes in private residence	76.1	23.9	65.1	34.9

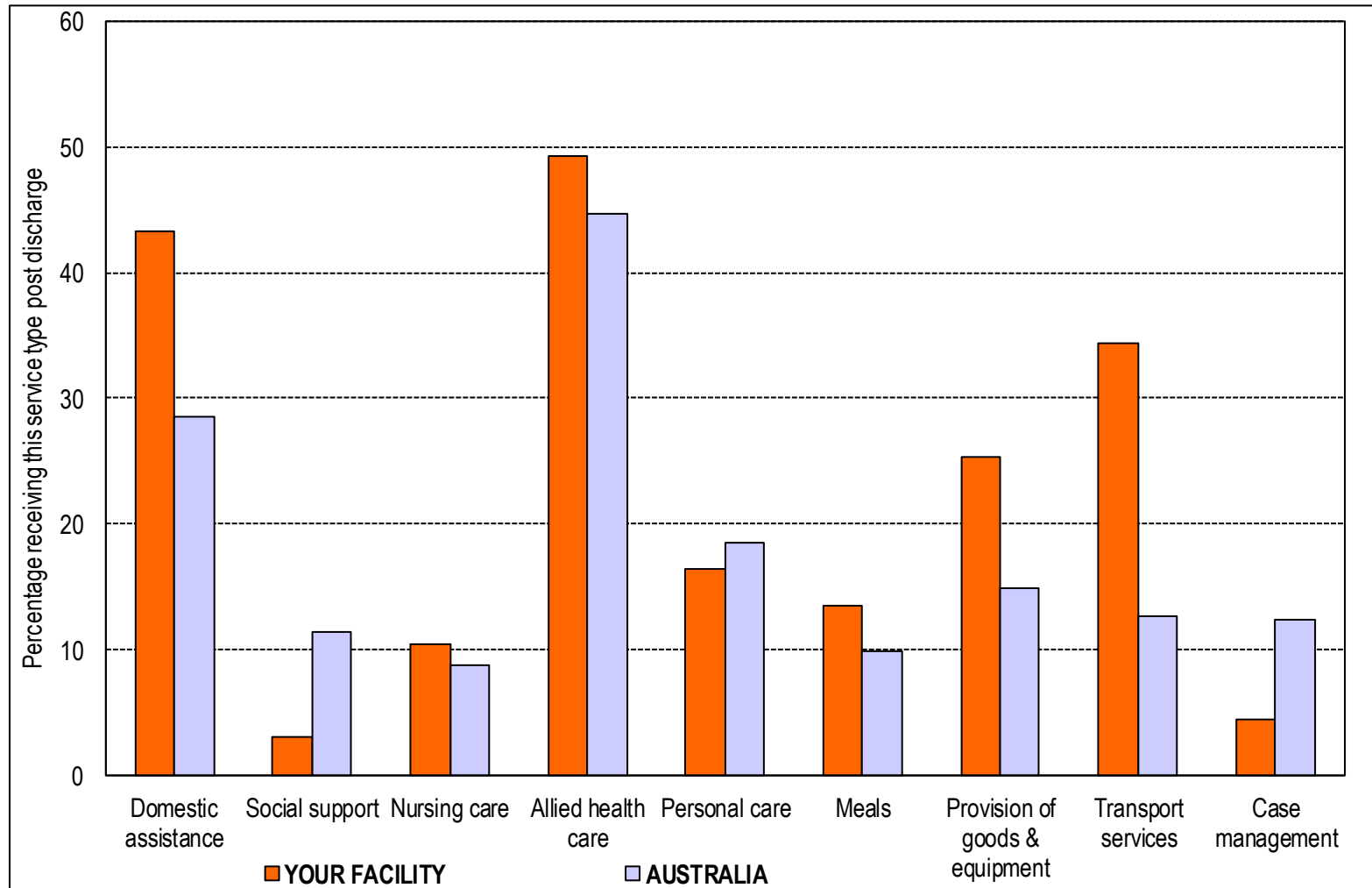
NOTE: Includes only those episodes whose final accommodation is private residence

Number of services received post discharge



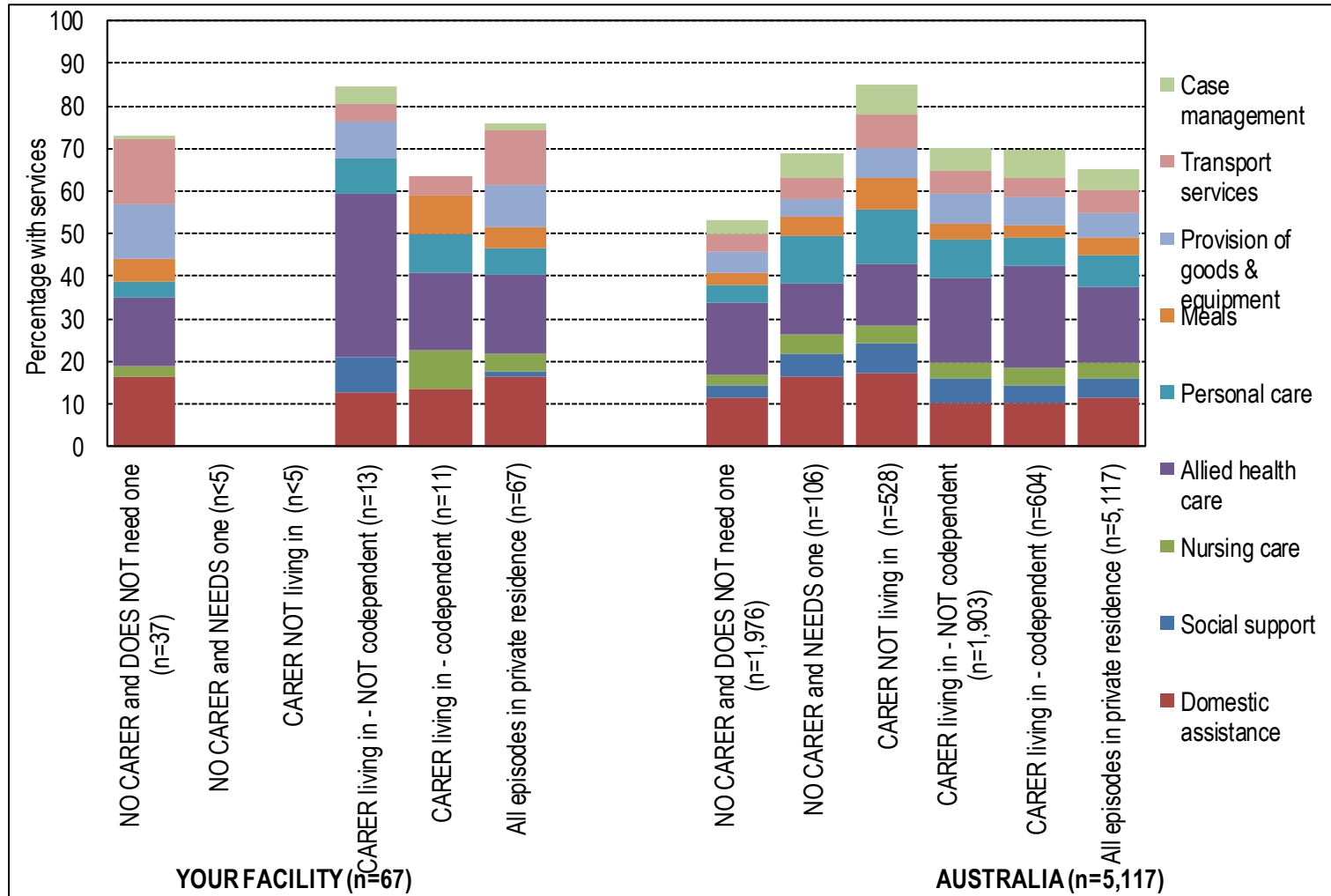
NOTE: Includes only those episodes whose final accommodation is private residence

Type of services received post discharge



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

Type of services received post discharge



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

Number and type of services received post discharge – YOUR FACILITY

Services received post discharge (NOTE: Discharge to private residence)	Carer status post discharge - YOUR FACILITY					
	NO CARER & DOESN'T 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	37	2	4	13	11	
Percent of episodes receiving:						
No services	27.0	0.0	0.0	15.4	36.4	23.9
1 service type	13.5	50.0	50.0	46.2	36.4	26.9
2 service types	18.9	0.0	0.0	7.7	9.1	13.4
3 service types	13.5	0.0	0.0	30.8	0.0	13.4
4 or more service types	27.0	50.0	50.0	0.0	18.2	22.4
Service Type received						
Domestic assistance	48.6	100.0	75.0	23.1	27.3	43.3
Social support	0.0	0.0	0.0	15.4	0.0	3.0
Nursing care	8.1	50.0	25.0	0.0	18.2	10.4
Allied health care	48.6	0.0	50.0	69.2	36.4	49.3
Personal care	10.8	50.0	50.0	15.4	18.2	16.4
Meals	16.2	0.0	25.0	0.0	18.2	13.4
Provision of goods & equipment	37.8	0.0	25.0	15.4	0.0	25.4
Transport services	45.9	50.0	75.0	7.7	9.1	34.3
Case management	2.7	0.0	25.0	7.7	0.0	4.5

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

Number and type of services received post discharge – NATIONAL

Services received post discharge (NOTE: Discharge to private residence)	Carer status post discharge - AUSTRALIA					
	NO CARER & DOESN'T 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	1,976	106	528	1,903	604	
Percent of episodes receiving:						
No services	46.8	31.1	14.8	30.0	30.1	34.9
1 service type	26.1	20.8	17.4	27.3	29.1	26.0
2 service types	11.8	14.2	14.2	14.3	18.0	13.9
3 service types	7.4	14.2	19.9	10.5	9.8	10.3
4 or more service types	7.8	19.8	33.7	18.0	12.9	14.9
Service Type received						
Domestic assistance	23.7	47.2	56.8	26.3	23.2	28.5
Social support	5.1	16.0	23.7	15.1	9.3	11.5
Nursing care	5.7	13.2	13.1	10.2	9.8	8.8
Allied health care	34.4	34.0	49.1	52.1	53.6	44.8
Personal care	8.3	32.1	41.3	23.1	15.4	18.5
Meals	6.0	14.2	25.8	10.1	6.6	9.8
Provision of goods & equipment	9.6	11.3	23.3	18.2	14.7	14.9
Transport services	8.8	14.2	26.1	13.7	10.1	12.7
Case management	6.7	17.0	23.3	14.1	15.4	12.4

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

Appendix 1: Glossary

AN-SNAP

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 3, introduced in January 2012, is used in these reports; refer Appendix 3 for the full list of classes.

Change in FIM score

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 of the client during the episode. A negative value for the change in FIM score indicates a decline in functional independence during the episode.

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.

Glossary ... continued

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').

Reported 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*

Glossary ... continued

FIM

The Functional Independence Measure (FIM) is used as a tool to assess the functional independence of patients at episode start and end. Details of the specific FIM instrument used in these reports can be found in “UDSmr Adult FIM Workshop – Participant Manual, Version 5.1 (Australia). Buffalo, NY 14214: State University of New York at Buffalo; 2008.”

Interquartile range (IQR)

The middle 50% of facilities, 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.

Valid FIM score

Each of the 18 items on admission and discharge were answered with a valid response of 1-7.

Valid LOS

Completed episode with a length of stay ranging between 1 and 500 days.

Version 4 data set

Version 4 (V4) of the 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 Stroke

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 stroke

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)

AROC impairment codes...continued

ORTHOPAEDIC CONDITIONS

Fractures (includes dislocation)

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

Post Orthopaedic Surgery

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

Soft tissue injury

- 8.3 Soft tissue injury

CARDIAC

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

PULMONARY

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

BURNS

- 11 Burns

CONGENITAL DEFORMITIES

- 12.1 Spina bifida
- 12.9 Other congenital deformity

OTHER DISABLING IMPAIRMENTS

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

MAJOR MULTIPLE TRAUMA

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

DEVELOPMENTAL DISABILITIES

- 15.1 Developmental disabilities (excludes cerebral palsy)

RE-CONDITIONING/RESTORATIVE

- 16.1 Re-conditioning following surgery
- 16.2 Reconditioning following medical illness
- 16.3 Cancer rehabilitation

Appendix 3: AN-SNAP V3 overnight rehabilitation classes

Class	Description of AN-SNAP class
3-201	Rehabilitation, admit for assessment only
3-202	Brain, Neurological, Spinal & Major Multiple Trauma, FIM 13
3-203	All other impairments, FIM 13
3-204	Stroke , FIM motor 63-91, FIM cognition 20-35
3-205	Stroke , FIM motor 63-91, FIM cognition 5-19
3-206	Stroke, FIM motor 47-62, FIM cognition 16-35
3-207	Stroke, FIM motor 47-62, FIM cognition 5-15
3-208	Stroke, FIM motor 14-46, age>=75
3-209	Stroke, FIM motor 14-46, age<=74
3-210	Brain Dysfunction, FIM motor 56-91, FIM cognition 32-35
3-211	Brain Dysfunction, FIM motor 56-91, FIM cognition 24-31
3-212	Brain Dysfunction, FIM motor 56-91, FIM cognition 20-23
3-213	Brain Dysfunction, FIM motor 56-91, FIM cognition 5-19
3-214	Brain Dysfunction, FIM motor 24-55
3-215	Brain Dysfunction, FIM motor 14-23
3-216	Neurological, FIM motor 63-91
3-217	Neurological, FIM motor 49-62
3-218	Neurological, FIM motor 18-48
3-219	Neurological, FIM motor 14-17
3-220	Spinal Cord Dysfunction, FIM motor 81-91
3-221	Spinal Cord Dysfunction, FIM motor 47-80
3-222	Spinal Cord Dysfunction, FIM motor 14-46, age>=33
3-223	Spinal Cord Dysfunction, FIM motor 14-46, age<=32

Class	Description of AN-SNAP Classes
3-224	Amputation of limb, FIM motor 72-91
3-225	Amputation of limb, FIM motor 14-71
3-226	Pain Syndromes
3-227	Orthopaedic conditions, fractures, FIM motor 58-91
3-228	Orthopaedic conditions, fractures, FIM motor 48-57
3-229	Orthopaedic conditions, fractures, FIM motor 14-47, FIM cognition 19-35
3-230	Orthopaedic conditions, fractures, FIM motor 14-47, FIM cognition 5-18
3-231	Orthopaedic conditions, replacement, FIM motor 72-91
3-232	Orthopaedic conditions, replacement, FIM motor 49-71
3-233	Orthopaedic conditions, replacement, FIM motor 14-48
3-234	Orthopaedic conditions, all other, FIM motor 68-91
3-235	Orthopaedic conditions, all other, FIM motor 53-67
3-236	Orthopaedic conditions, all other, FIM motor 14-52
3-237	Cardiac
3-238	Major Multiple Trauma, FIM total 101-126
3-239	Major Multiple Trauma, FIM total 74-100 or Burns
3-240	Major Multiple Trauma, FIM total 44-73
3-241	Major Multiple Trauma, FIM total 19-43
3-242	All other impairments, FIM motor 67-91
3-243	All other impairments, FIM motor 53-66
3-244	All other impairments, FIM motor 25-52
3-245	All other impairments, FIM motor 14-24

NOTE: AN-SNAP classes for inpatient rehabilitation have not changed between V2 and V3.

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 - Members of the Management Advisory Group of the Australasian Rehabilitation Outcomes Centre
 - Members of the Scientific and Clinical Advisory Committee of the Australasian Rehabilitation Outcomes Centre
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Anywhere Hospital AROC Impairment Specific Report on Stroke (Inpatient - Pathway 3), January 2014 to December 2014. Australasian Rehabilitation Outcomes Centre (2014).

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