

# AROC Impairment Specific Report

## Inpatient – Pathway 3

# ORTHOPAEDIC FRACTURES

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 completed 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 orthopaedic fracture 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.
- Data in this report was collected using both version 3 (V3) and version 4 (V4) AROC data sets. All data collected using the V3 data set has been mapped to the V4 data set. This report is based on the V4 data set - Pathway 3 (inpatient direct care).
- Reporting on impairment codes uses the AROC V4 dataset (Appendix 2) .
- All case-mix analysis uses the version 3 AN-SNAP class (Appendix 3), introduced January 2012. Casemix adjustment is against ALL AROC FACILITIES 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 concatenated episode, not by patient.

# Orthopaedic fractures impairment codes

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

- 8.111 — Fracture of hip, unilateral
- 8.112 — Fracture of hip, bilateral
- 8.12 — Fracture of shaft of femur
- 8.13 — Fracture of pelvis
- 8.141 — Fracture of knee
- 8.142 — Fracture of 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

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

# Orthopaedic fractures AN-SNAP classes

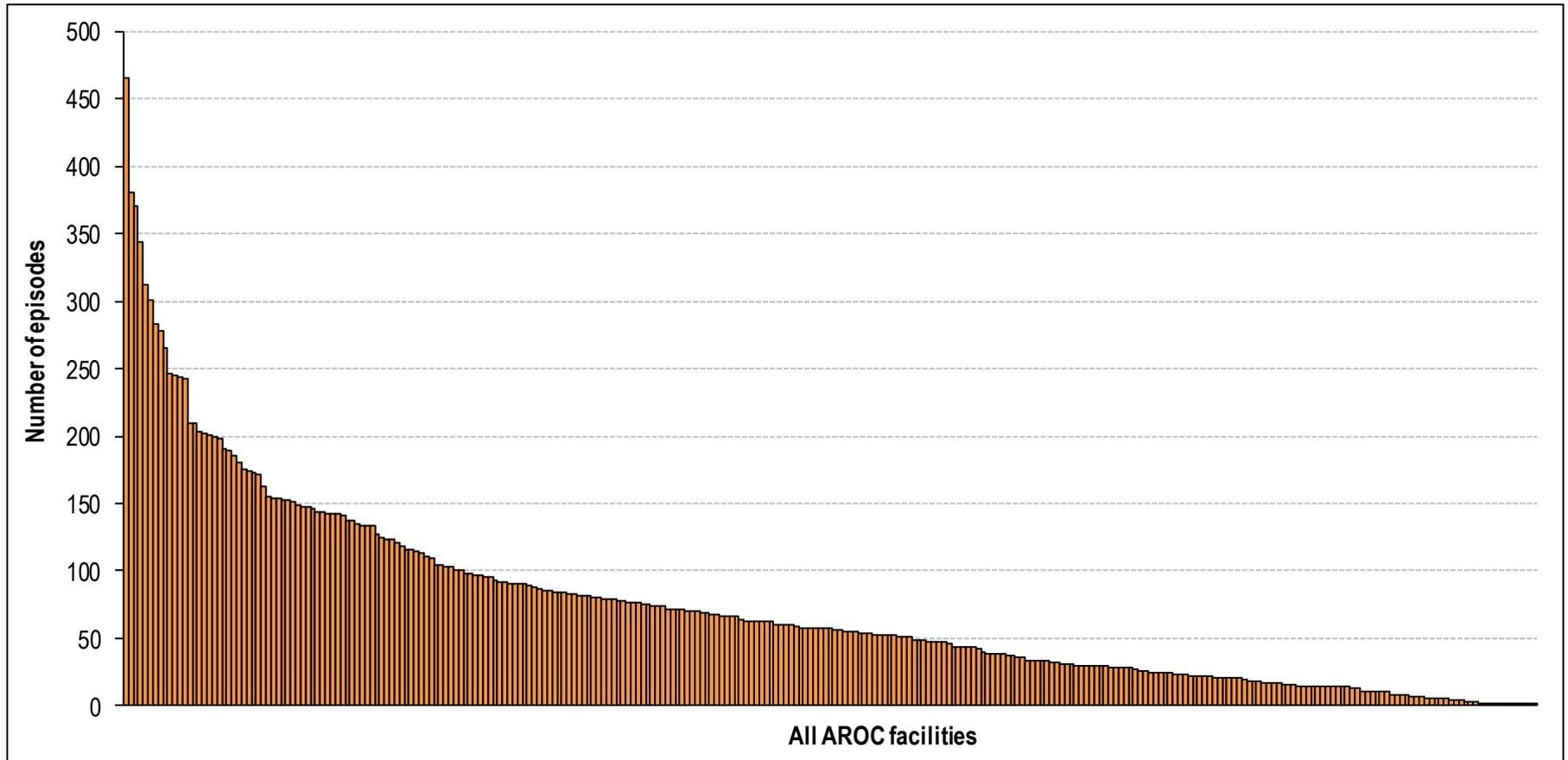
Levels of functioning for orthopaedic fractures are categorised by the following version 3 AN-SNAP classes:

- ❖ 3-227 (FIM motor 58-91)
- ❖ 3-228 (FIM motor 48-57)
- ❖ 3-229 (FIM motor 14-47, FIM cognition 19-35)
- ❖ 3-230 (FIM motor 14-47, FIM cognition 5-18)

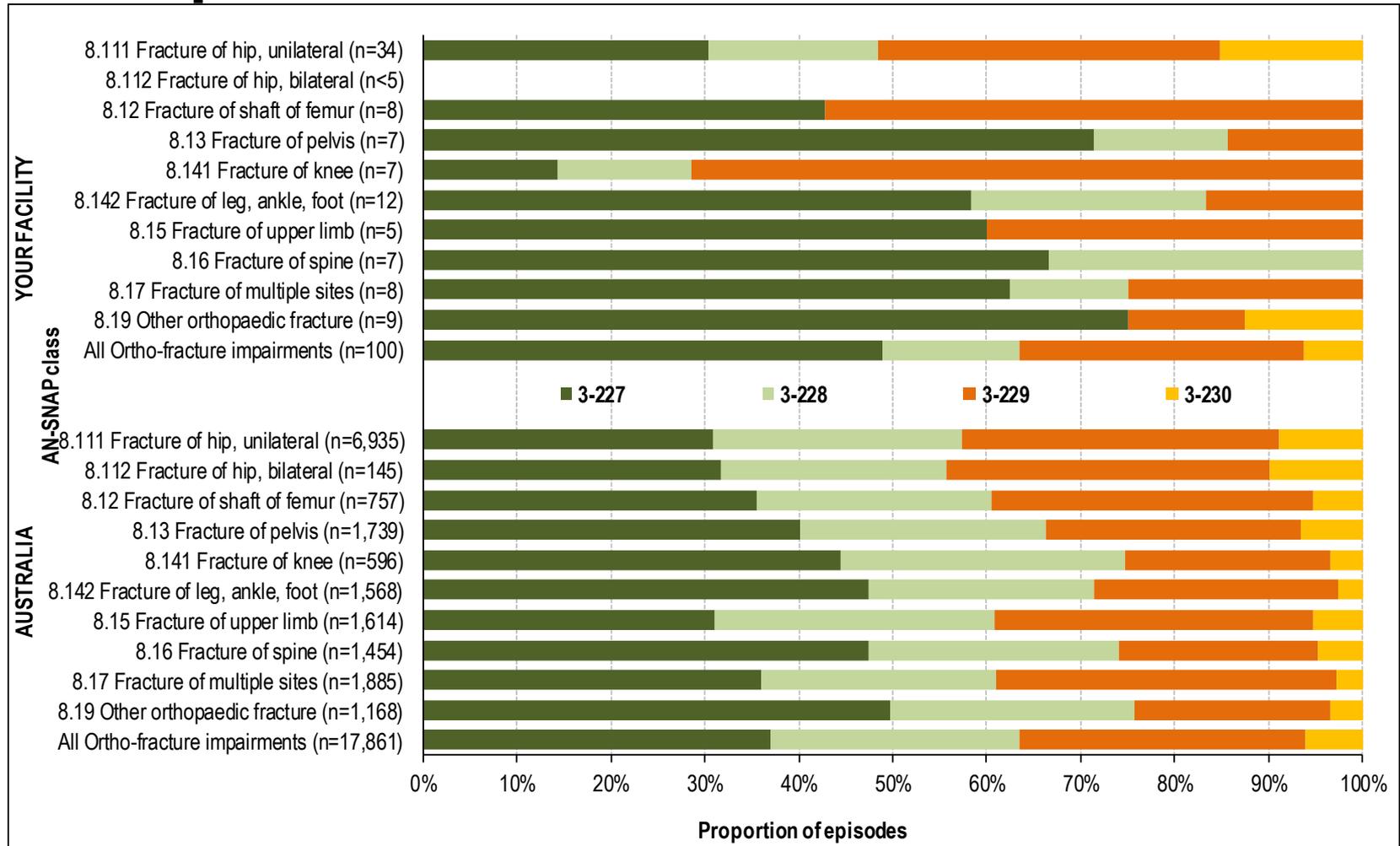
NOTE: A list of all AN SNAP classes can be found in Appendix 3

# The BIG picture

# Volume of episodes by facilities treating orthopaedic fractures (discharges in Jan-Dec 2014)



# Proportion of episodes by impairment code and AN-SNAP class



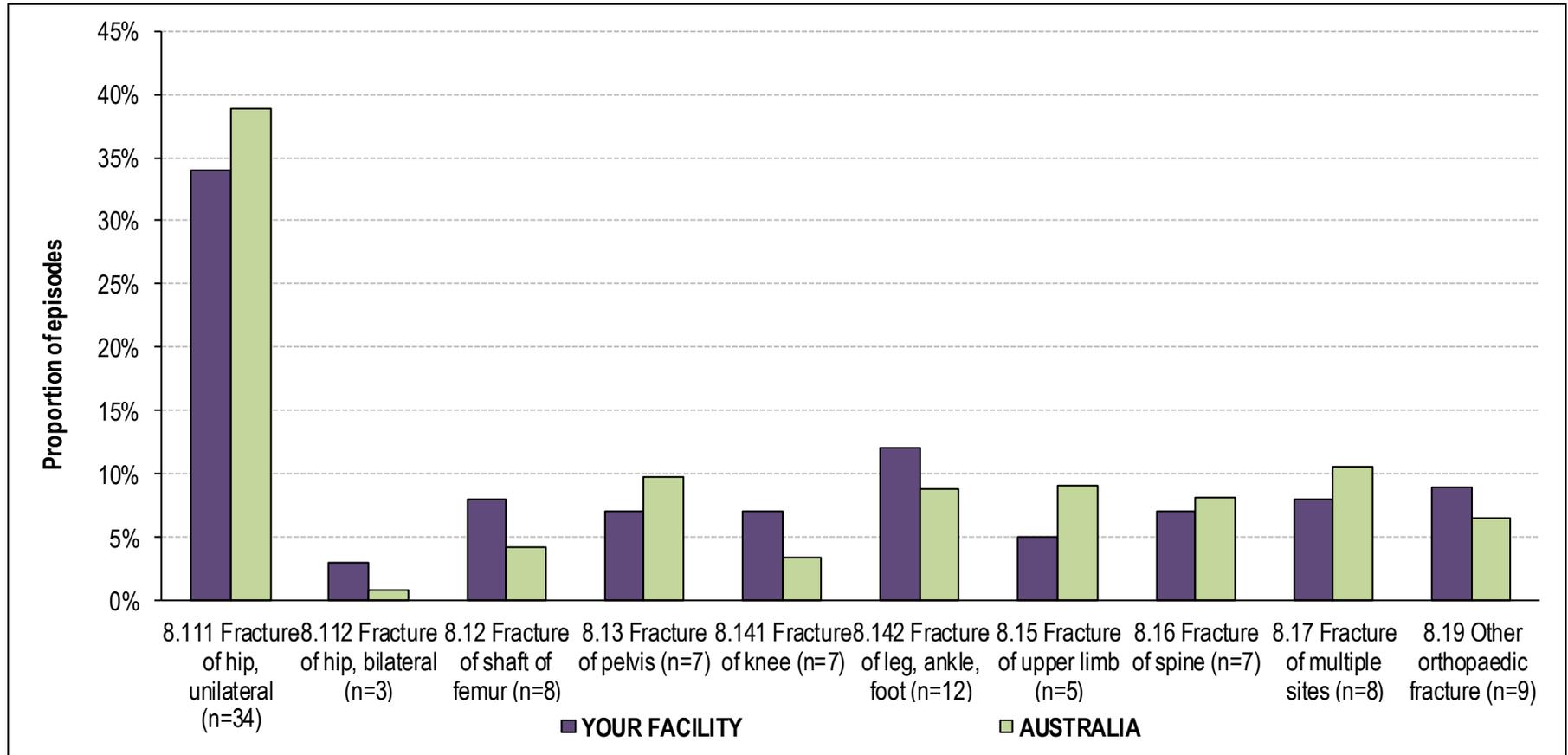
# Episodes by impairment code and AN-SNAP class

Impairment code	YOUR FACILITY — N (%)				All Ortho-fracture AN-SNAP classes**
	3-227 (motor 58-91)	3-228 (motor 48-57)	3-229 (motor 14-47, cognition 19-35)	3-230 (motor 14-47, cognition 5-18)	
8.111 Fracture of hip, unilateral	10 (30.3%)	6 (18.2%)	12 (36.4%)	5 (15.2%)	34 (100.0%)
8.112 Fracture of hip, bilateral	3 (100.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	3 (100.0%)
8.12 Fracture of shaft of femur	3 (42.9%)	0 (0.0%)	4 (57.1%)	0 (0.0%)	8 (100.0%)
8.13 Fracture of pelvis	5 (71.4%)	1 (14.3%)	1 (14.3%)	0 (0.0%)	7 (100.0%)
8.141 Fracture of knee	1 (14.3%)	1 (14.3%)	5 (71.4%)	0 (0.0%)	7 (100.0%)
8.142 Fracture of leg, ankle, foot	7 (58.3%)	3 (25.0%)	2 (16.7%)	0 (0.0%)	12 (100.0%)
8.15 Fracture of upper limb	3 (60.0%)	0 (0.0%)	2 (40.0%)	0 (0.0%)	5 (100.0%)
8.16 Fracture of spine	4 (66.7%)	2 (33.3%)	0 (0.0%)	0 (0.0%)	7 (100.0%)
8.17 Fracture of multiple sites	5 (62.5%)	1 (12.5%)	2 (25.0%)	0 (0.0%)	8 (100.0%)
8.19 Other orthopaedic fracture	6 (75.0%)	0 (0.0%)	1 (12.5%)	1 (12.5%)	9 (100.0%)
<b>All Ortho-fracture impairments</b>	<b>47 (49.0%)</b>	<b>14 (14.6%)</b>	<b>29 (30.2%)</b>	<b>6 (6.3%)</b>	<b>100 (100.0%)</b>

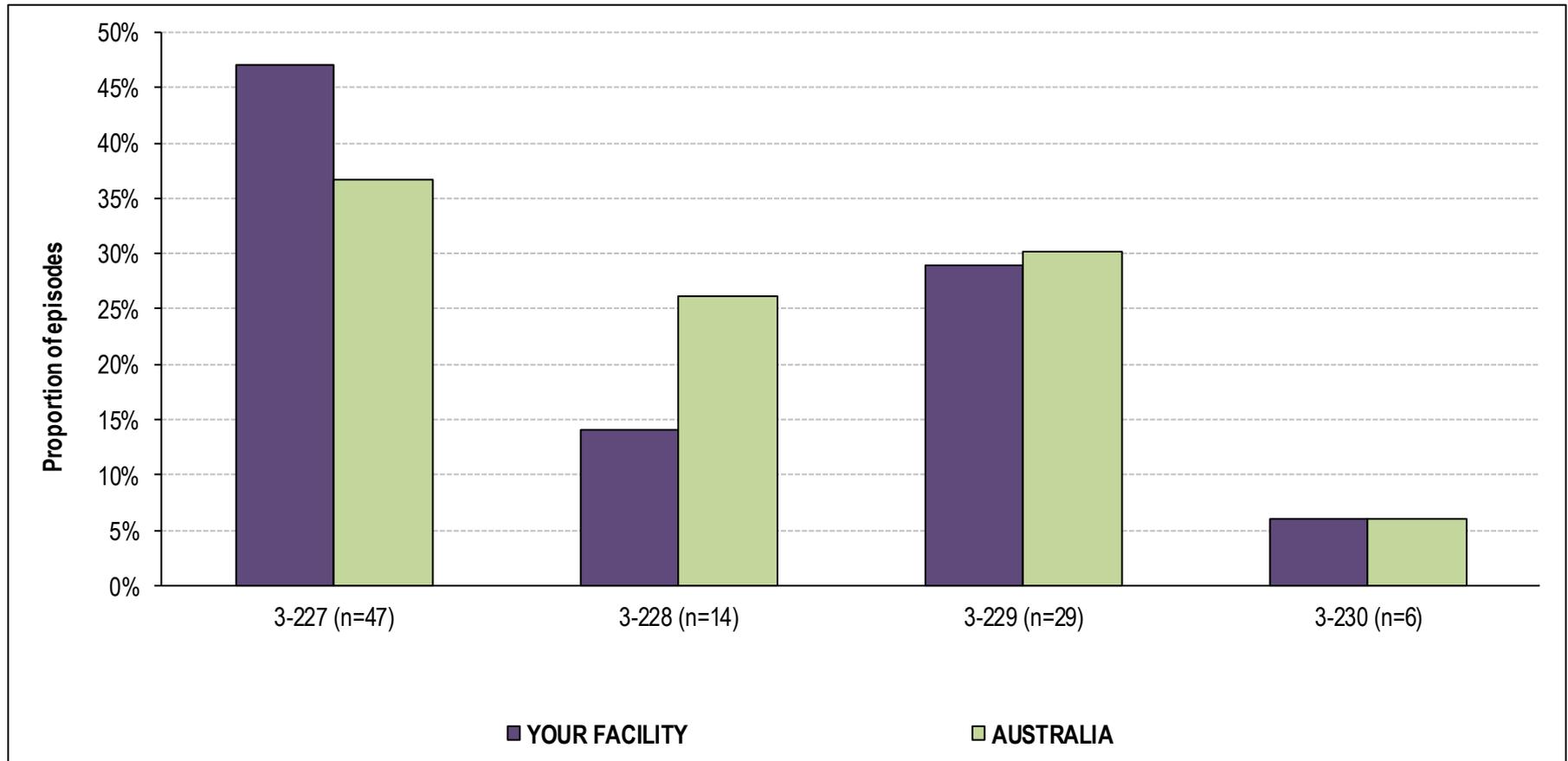
AN-SNAP class	AUSTRALIA — N (%)				All Ortho-fracture AN-SNAP classes**
	3-227 (motor 58-91)	3-228 (motor 48-57)	3-229 (motor 14-47, cognition 19-35)	3-230 (motor 14-47, cognition 5-18)	
8.111 Fracture of hip, unilateral	2,113 (30.9%)	1,805 (26.4%)	2,313 (33.8%)	608 (8.9%)	6,935 (100.0%)
8.112 Fracture of hip, bilateral	45 (31.7%)	34 (23.9%)	49 (34.5%)	14 (9.9%)	145 (100.0%)
8.12 Fracture of shaft of femur	268 (35.6%)	187 (24.8%)	259 (34.4%)	39 (5.2%)	757 (100.0%)
8.13 Fracture of pelvis	695 (40.2%)	452 (26.1%)	470 (27.2%)	112 (6.5%)	1,739 (100.0%)
8.141 Fracture of knee	263 (44.5%)	179 (30.3%)	129 (21.8%)	20 (3.4%)	596 (100.0%)
8.142 Fracture of leg, ankle, foot	741 (47.3%)	378 (24.2%)	406 (25.9%)	40 (2.6%)	1,568 (100.0%)
8.15 Fracture of upper limb	498 (31.1%)	475 (29.7%)	545 (34.0%)	83 (5.2%)	1,614 (100.0%)
8.16 Fracture of spine	684 (47.4%)	385 (26.7%)	306 (21.2%)	68 (4.7%)	1,454 (100.0%)
8.17 Fracture of multiple sites	673 (36.0%)	468 (25.0%)	681 (36.4%)	50 (2.7%)	1,885 (100.0%)
8.19 Other orthopaedic fracture	580 (49.8%)	302 (25.9%)	243 (20.9%)	40 (3.4%)	1,168 (100.0%)
<b>All Ortho-fracture impairments</b>	<b>6,560 (37.1%)</b>	<b>4,665 (26.4%)</b>	<b>5,401 (30.5%)</b>	<b>1,074 (6.1%)</b>	<b>17,861 (100.0%)</b>

\*\* There were 4 episodes in YOUR FACILITY and 161 episodes in AUSTRALIA with AN-SNAP classes 3-203 or 3-902

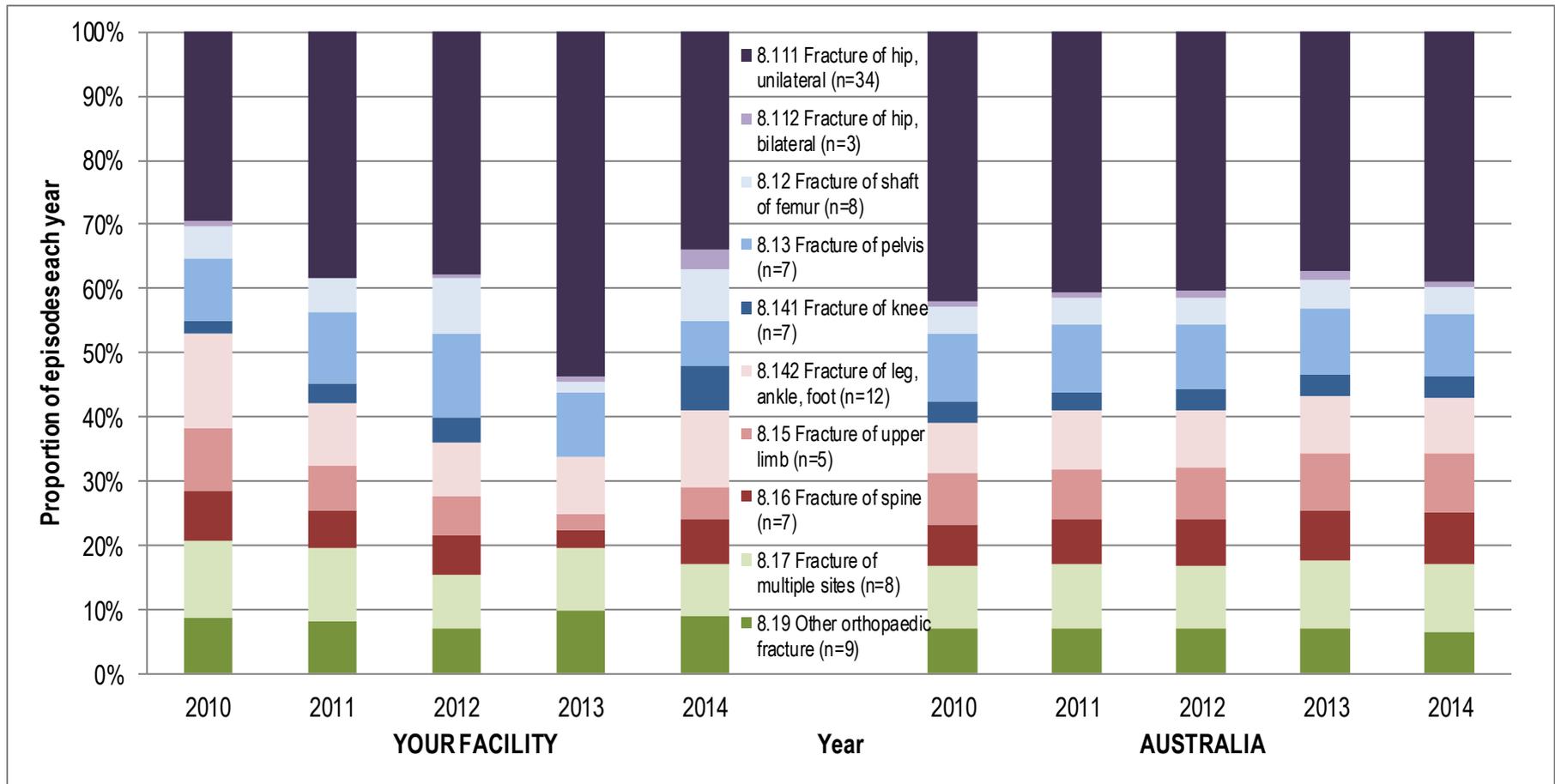
# Proportion of episodes by impairment code



# Proportion of episodes by AN-SNAP class



# Proportion of episodes by impairment code over time

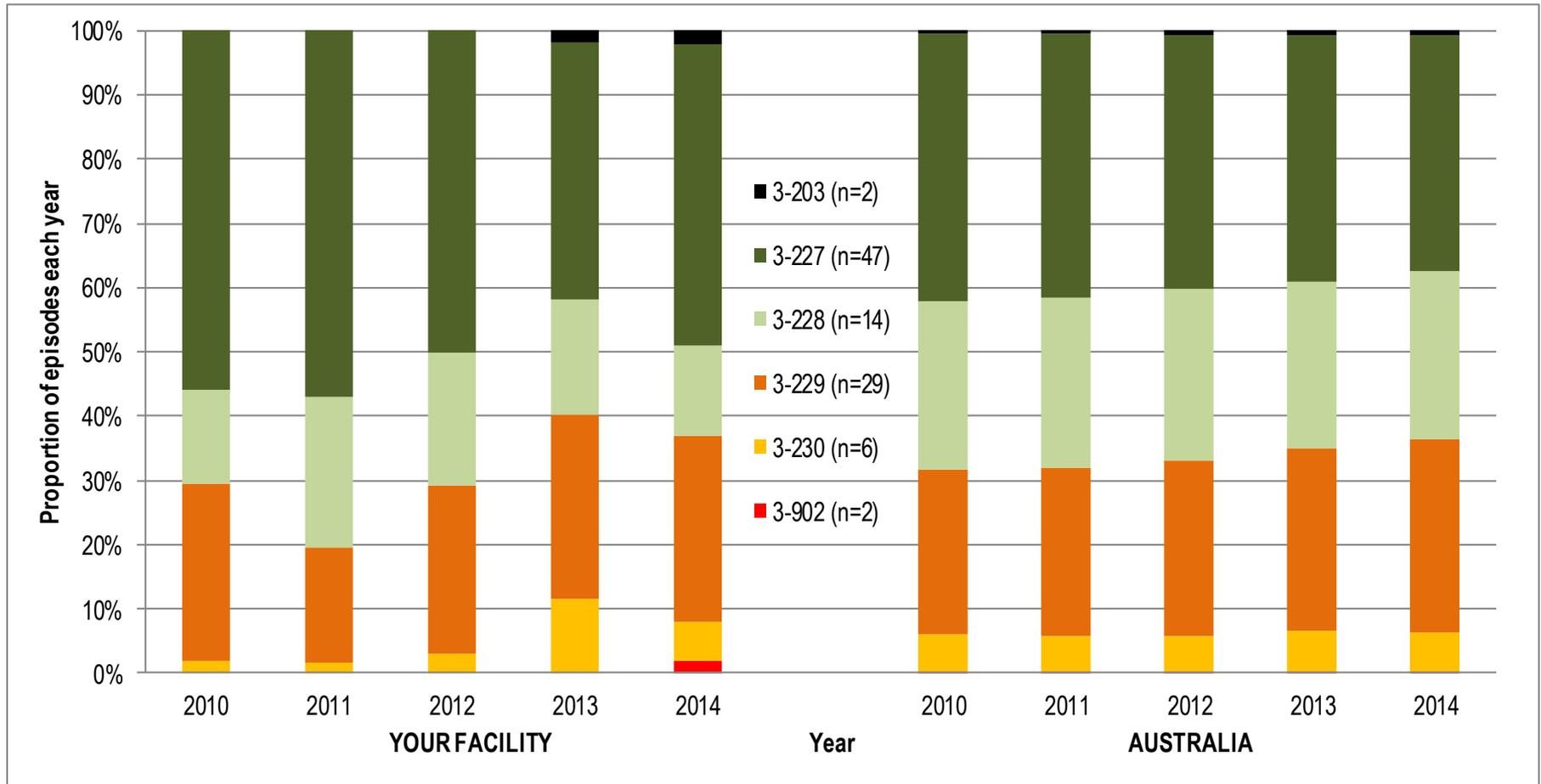


# Episodes by impairment code over time

Impairment	YOUR FACILITY					AUSTRALIA				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
8.111 Fracture of hip, unilateral	30	51	49	60	34	5,273	5,278	5,827	6,413	6,935
8.112 Fracture of hip, bilateral	1	0	1	1	3	116	112	168	219	145
8.12 Fracture of shaft of femur	5	7	11	2	8	526	548	606	753	757
8.13 Fracture of pelvis	10	15	17	11	7	1,349	1,371	1,448	1,779	1,739
8.141 Fracture of knee	2	4	5	0	7	397	367	479	580	596
8.142 Fracture of leg, ankle, foot	15	13	11	10	12	1,002	1,171	1,296	1,528	1,568
8.15 Fracture of upper limb	10	9	8	3	5	1,014	1,015	1,185	1,534	1,614
8.16 Fracture of spine	8	8	8	3	7	810	910	1,056	1,338	1,454
8.17 Fracture of multiple sites	12	15	11	11	8	1,224	1,311	1,418	1,822	1,885
8.19 Other orthopaedic fracture	9	11	9	11	9	880	920	1,011	1,220	1,168
<b>All Orthopaedic fractures</b>	<b>102</b>	<b>133</b>	<b>130</b>	<b>112</b>	<b>100</b>	<b>12,591</b>	<b>13,003</b>	<b>14,494</b>	<b>17,186</b>	<b>17,861</b>

Impairment	YOUR FACILITY					AUSTRALIA				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
8.111 Fracture of hip, unilateral	29.4%	38.3%	37.7%	53.6%	34.0%	41.9%	40.6%	40.2%	37.3%	38.8%
8.112 Fracture of hip, bilateral	1.0%	0.0%	0.8%	0.9%	3.0%	0.9%	0.9%	1.2%	1.3%	0.8%
8.12 Fracture of shaft of femur	4.9%	5.3%	8.5%	1.8%	8.0%	4.2%	4.2%	4.2%	4.4%	4.2%
8.13 Fracture of pelvis	9.8%	11.3%	13.1%	9.8%	7.0%	10.7%	10.5%	10.0%	10.4%	9.7%
8.141 Fracture of knee	2.0%	3.0%	3.8%	0.0%	7.0%	3.2%	2.8%	3.3%	3.4%	3.3%
8.142 Fracture of leg, ankle, foot	14.7%	9.8%	8.5%	8.9%	12.0%	8.0%	9.0%	8.9%	8.9%	8.8%
8.15 Fracture of upper limb	9.8%	6.8%	6.2%	2.7%	5.0%	8.1%	7.8%	8.2%	8.9%	9.0%
8.16 Fracture of spine	7.8%	6.0%	6.2%	2.7%	7.0%	6.4%	7.0%	7.3%	7.8%	8.1%
8.17 Fracture of multiple sites	11.8%	11.3%	8.5%	9.8%	8.0%	9.7%	10.1%	9.8%	10.6%	10.6%
8.19 Other orthopaedic fracture	8.8%	8.3%	6.9%	9.8%	9.0%	7.0%	7.1%	7.0%	7.1%	6.5%
<b>All Orthopaedic fractures</b>	<b>100.0%</b>									

# Proportion of episodes by AN-SNAP class over time



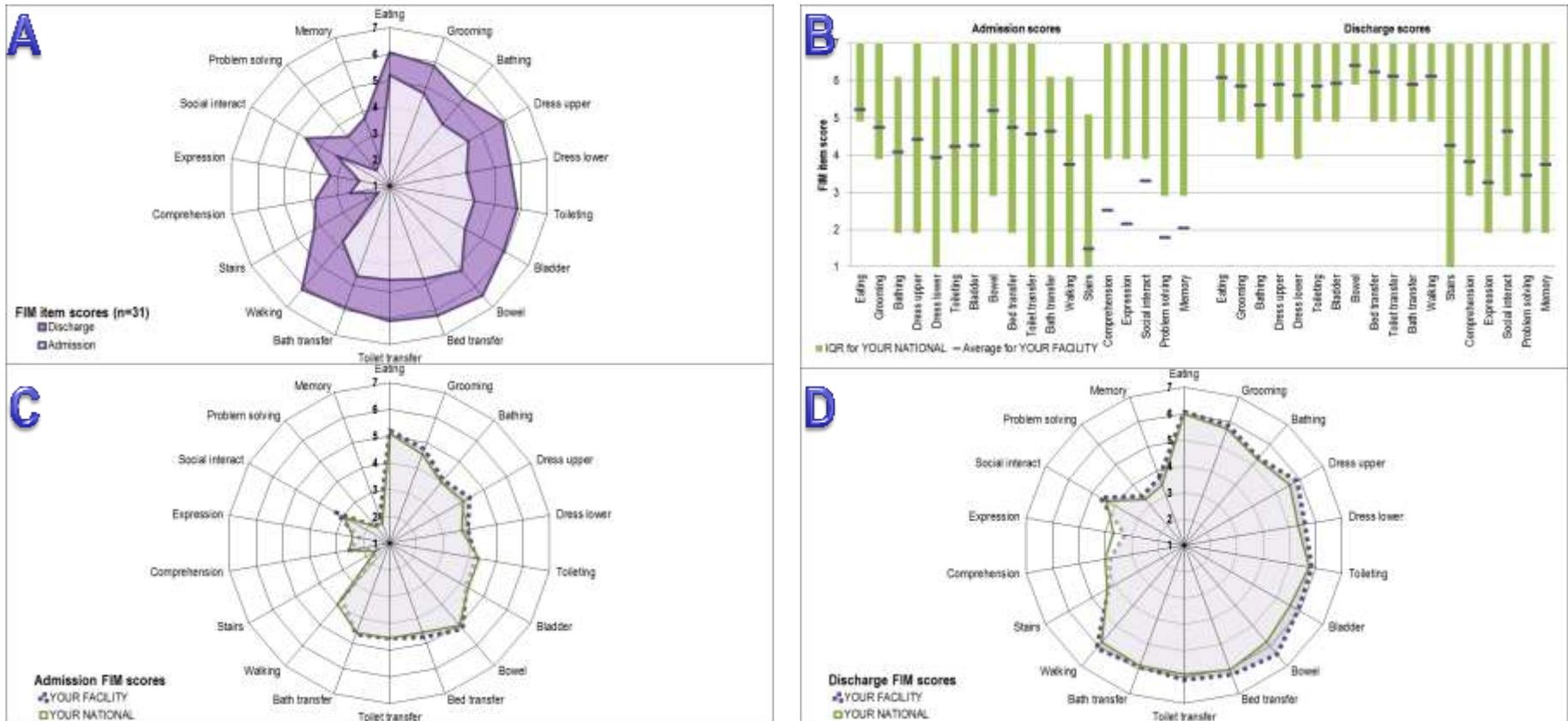
# Episodes by AN-SNAP class over time

AN-SNAP class	YOUR FACILITY					AUSTRALIA				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
3-203 (motor 13)	0	0	0	2	2	58	51	87	111	136
3-227 (motor 58-91)	57	76	65	45	47	5,247	5,347	5,731	6,615	6,560
3-228 (motor 48-57)	15	31	27	20	14	3,315	3,457	3,889	4,467	4,665
3-229 (motor 14-47, cognition 19-35)	28	24	34	32	29	3,227	3,430	3,945	4,872	5,401
3-230 (motor 14-47, cognition 5-18)	2	2	4	13	6	720	708	825	1,101	1,074
3-902 (Data error - ungroupable)	0	0	0	0	2	24	21	19	20	25
<b>All Ortho-fracture AN-SNAP classes</b>	<b>102</b>	<b>133</b>	<b>130</b>	<b>112</b>	<b>100</b>	<b>12,591</b>	<b>13,014</b>	<b>14,496</b>	<b>17,186</b>	<b>17,861</b>

AN-SNAP class	YOUR FACILITY					AUSTRALIA				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
3-203 (motor 13)	0.0%	0.0%	0.0%	1.8%	2.0%	0.5%	0.4%	0.6%	0.6%	0.8%
3-227 (motor 58-91)	55.9%	57.1%	50.0%	40.2%	47.0%	41.7%	41.1%	39.5%	38.5%	36.7%
3-228 (motor 48-57)	14.7%	23.3%	20.8%	17.9%	14.0%	26.3%	26.6%	26.8%	26.0%	26.1%
3-229 (motor 14-47, cognition 19-35)	27.5%	18.0%	26.2%	28.6%	29.0%	25.6%	26.4%	27.2%	28.3%	30.2%
3-230 (motor 14-47, cognition 5-18)	2.0%	1.5%	3.1%	11.6%	6.0%	5.7%	5.4%	5.7%	6.4%	6.0%
3-902 (Data error - ungroupable)	0.0%	0.0%	0.0%	0.0%	2.0%	0.2%	0.2%	0.1%	0.1%	0.1%
<b>All Ortho-fracture AN-SNAP classes</b>	<b>100.0%</b>									

# Review of FIM item scoring by AN-SNAP class

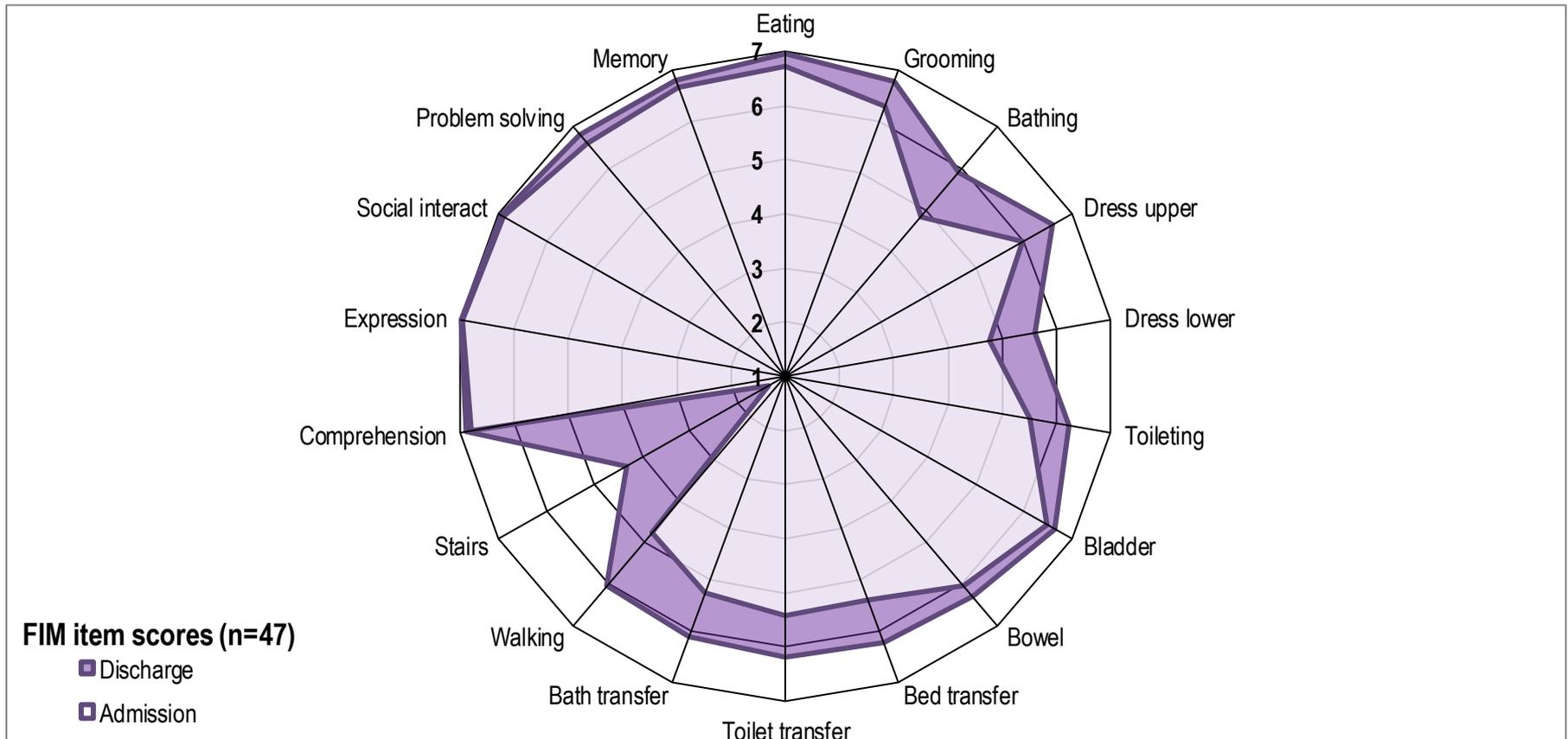
# Interpreting your comparative FIM scoring charts



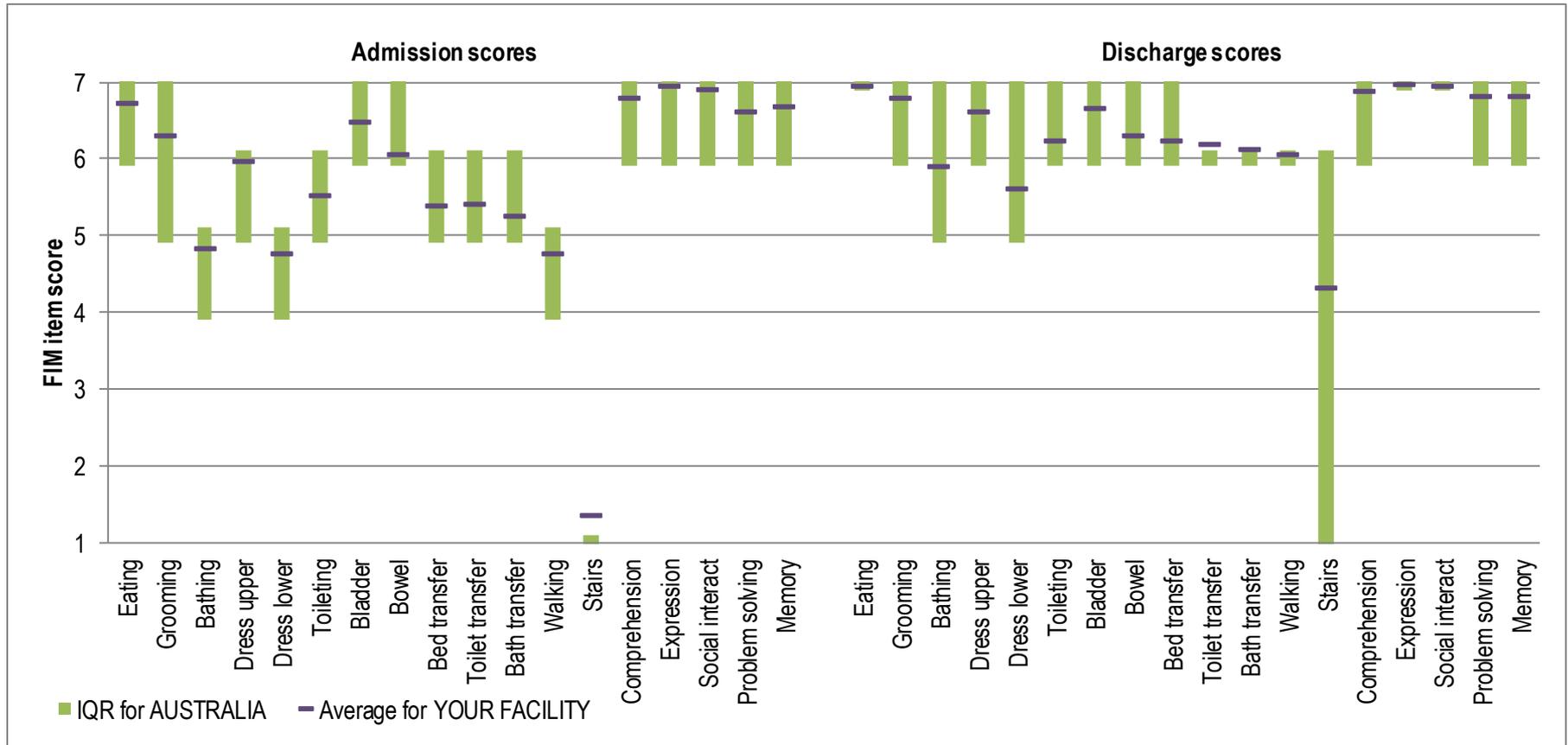
The FIM splat provides a graphic presentation of functional status in a radar chart. The 18 FIM items are arranged in order as 'spokes' of a wheel and the scoring levels from 1 (total dependence) to 7 (total independence) run from the centre outwards. The mean FIM item score for each item is indicated — 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

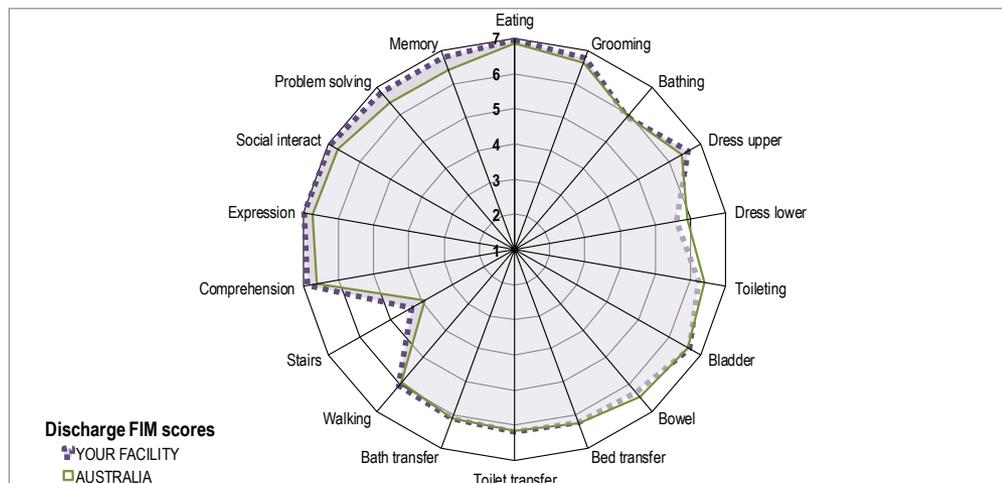
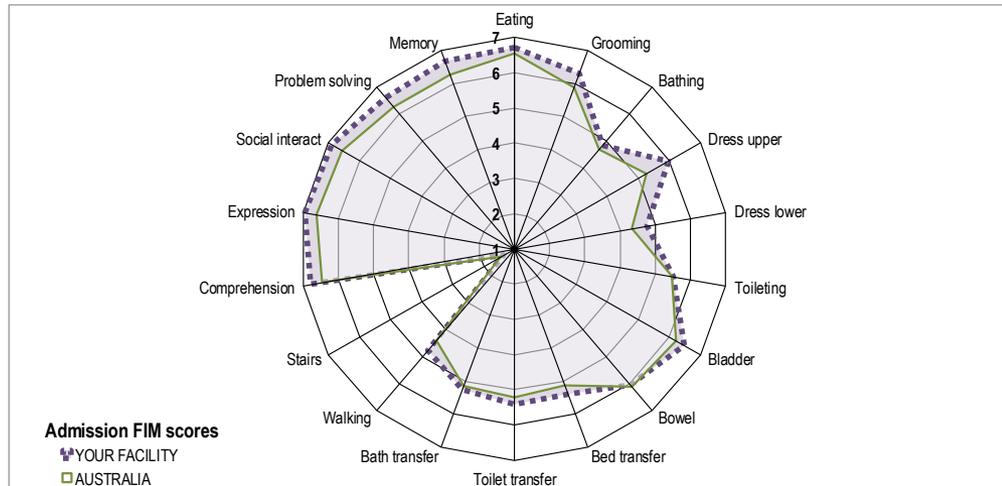
## AN-SNAP class 3-227



# Comparative FIM item scoring AN-SNAP class 3-227

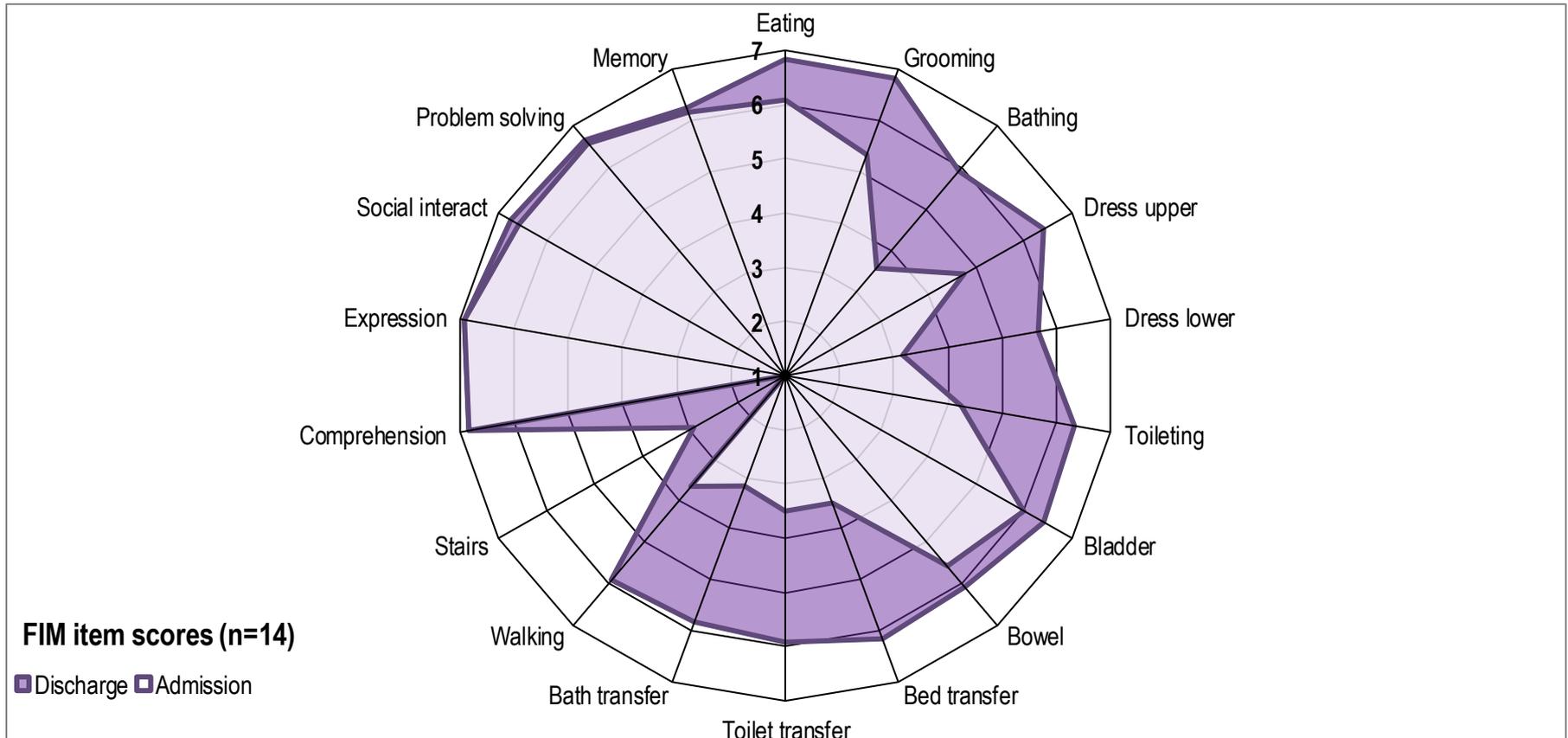


# Comparative FIM item scoring AN-SNAP class 3-227



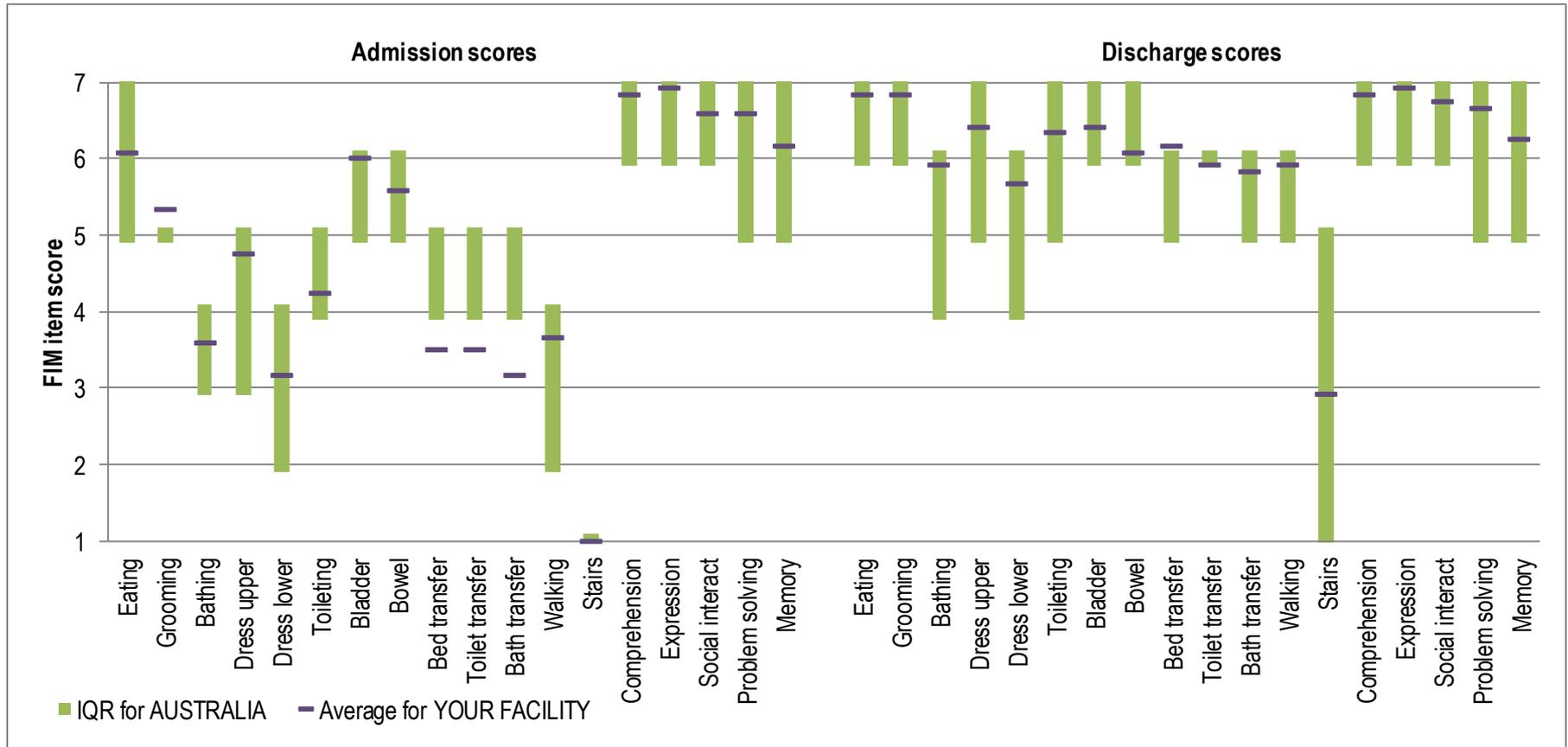
# Change in FIM item scoring at YOUR FACILITY

## AN-SNAP class 3-228

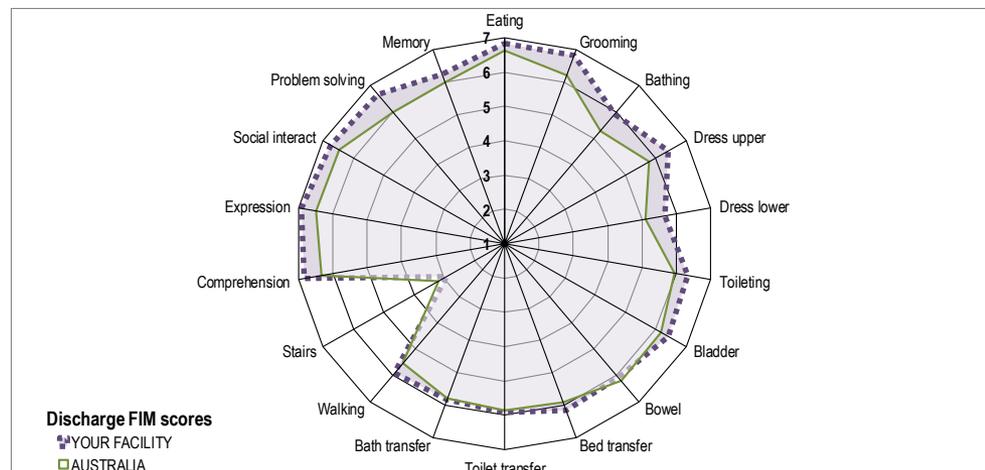
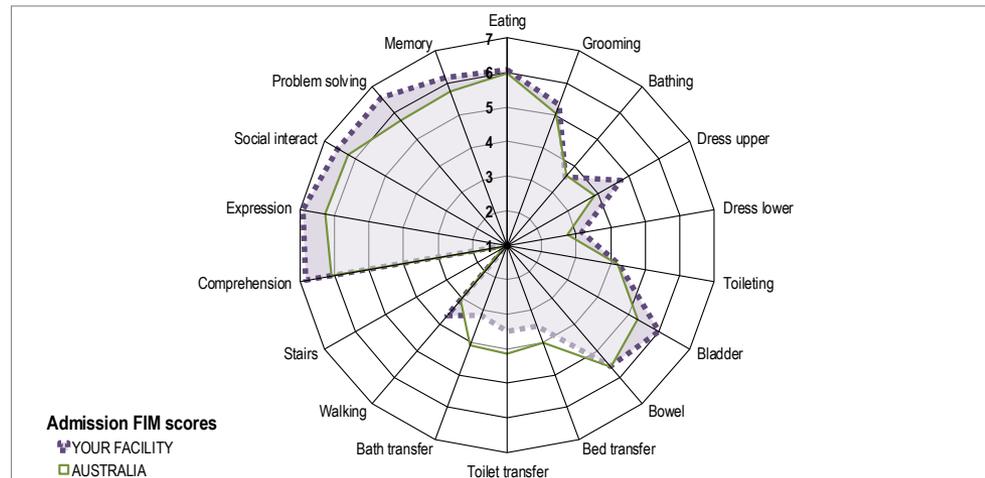


# Comparative FIM item scoring

## AN-SNAP class 3-228

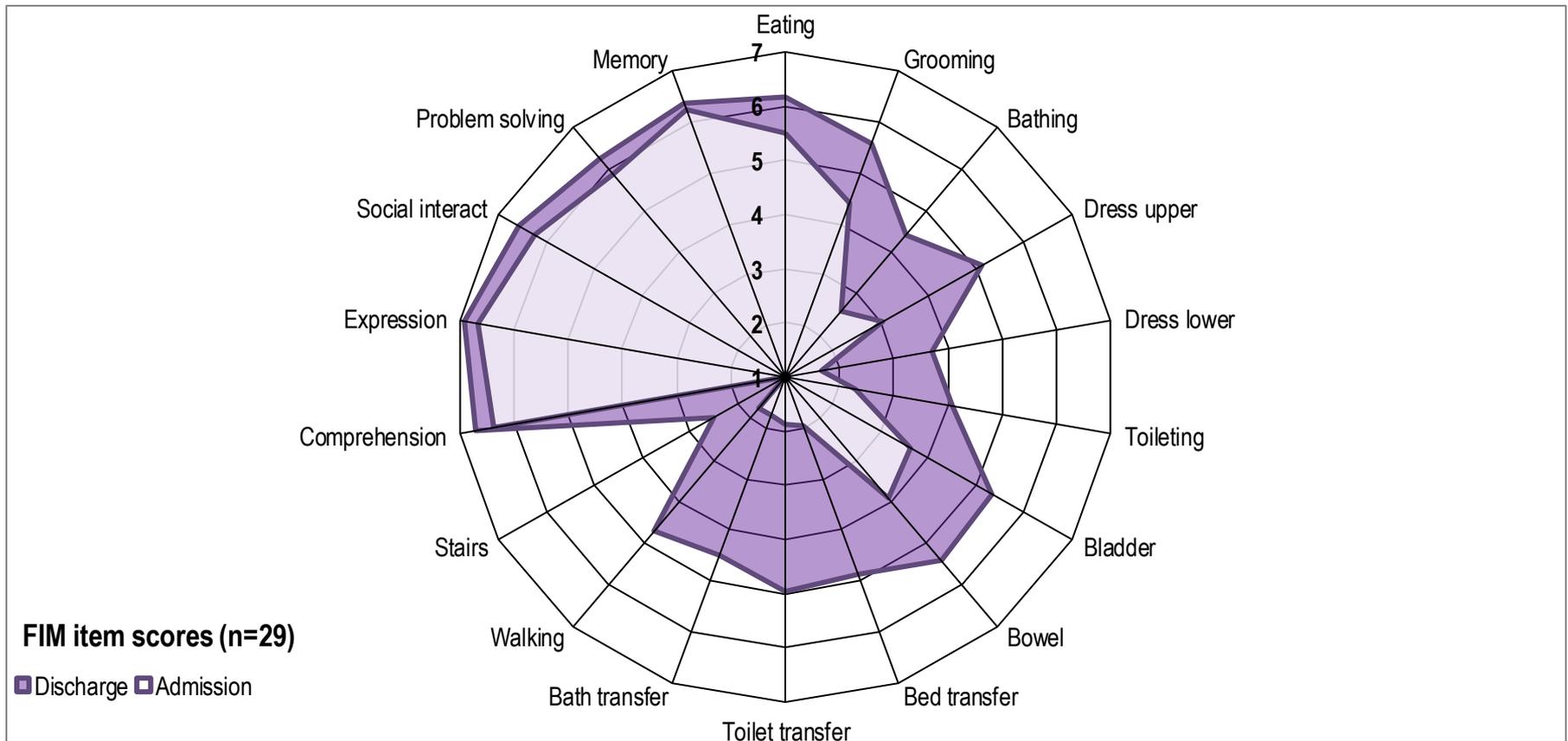


# Comparative FIM item scoring AN-SNAP class 3-228

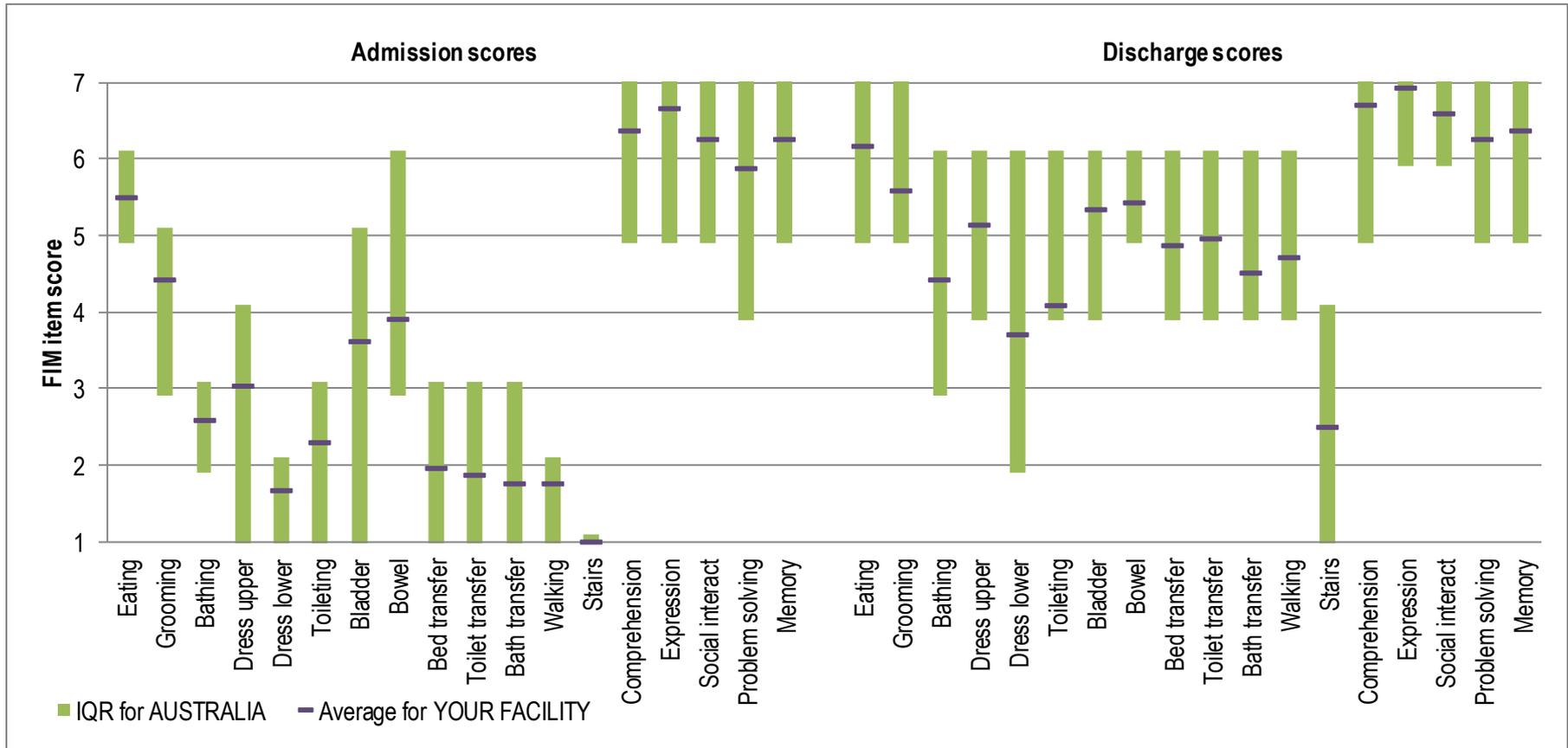


# Change in FIM item scoring at YOUR FACILITY

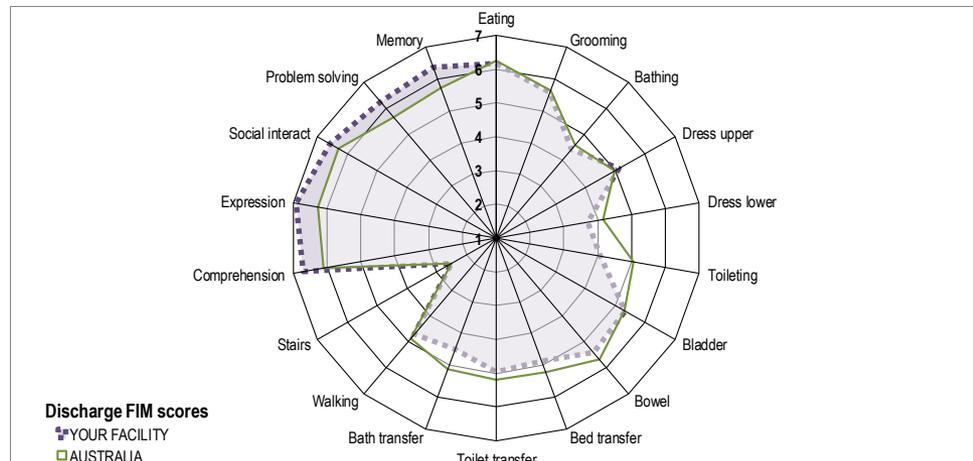
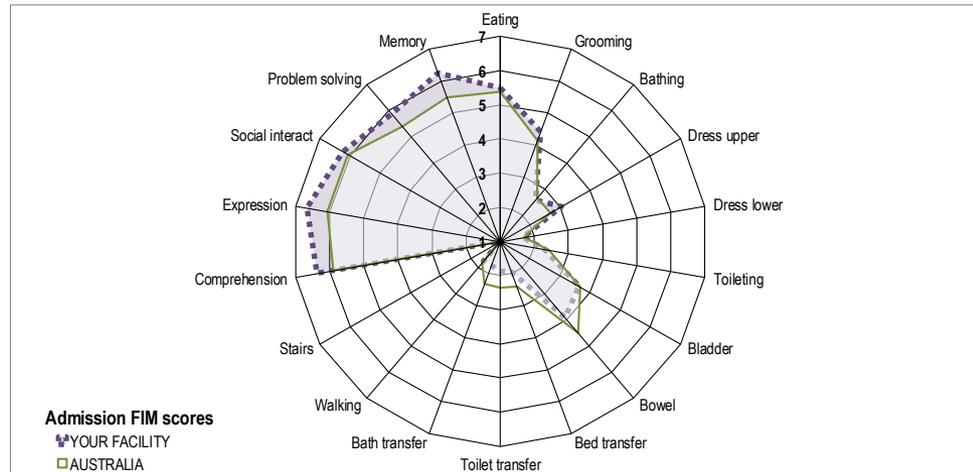
## AN-SNAP class 3-229



# Comparative FIM item scoring AN-SNAP class 3-229

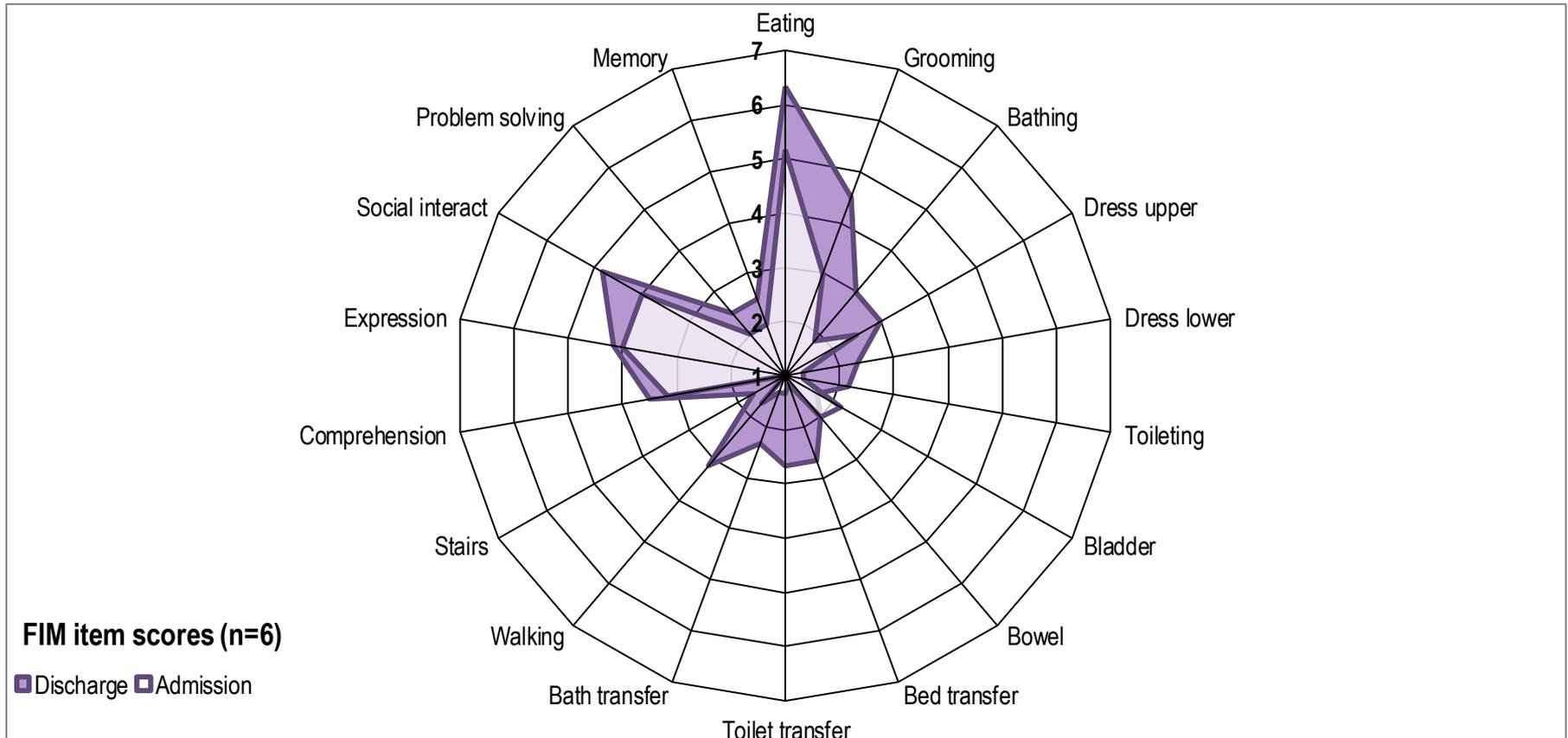


# Comparative FIM item scoring AN-SNAP class 3-229

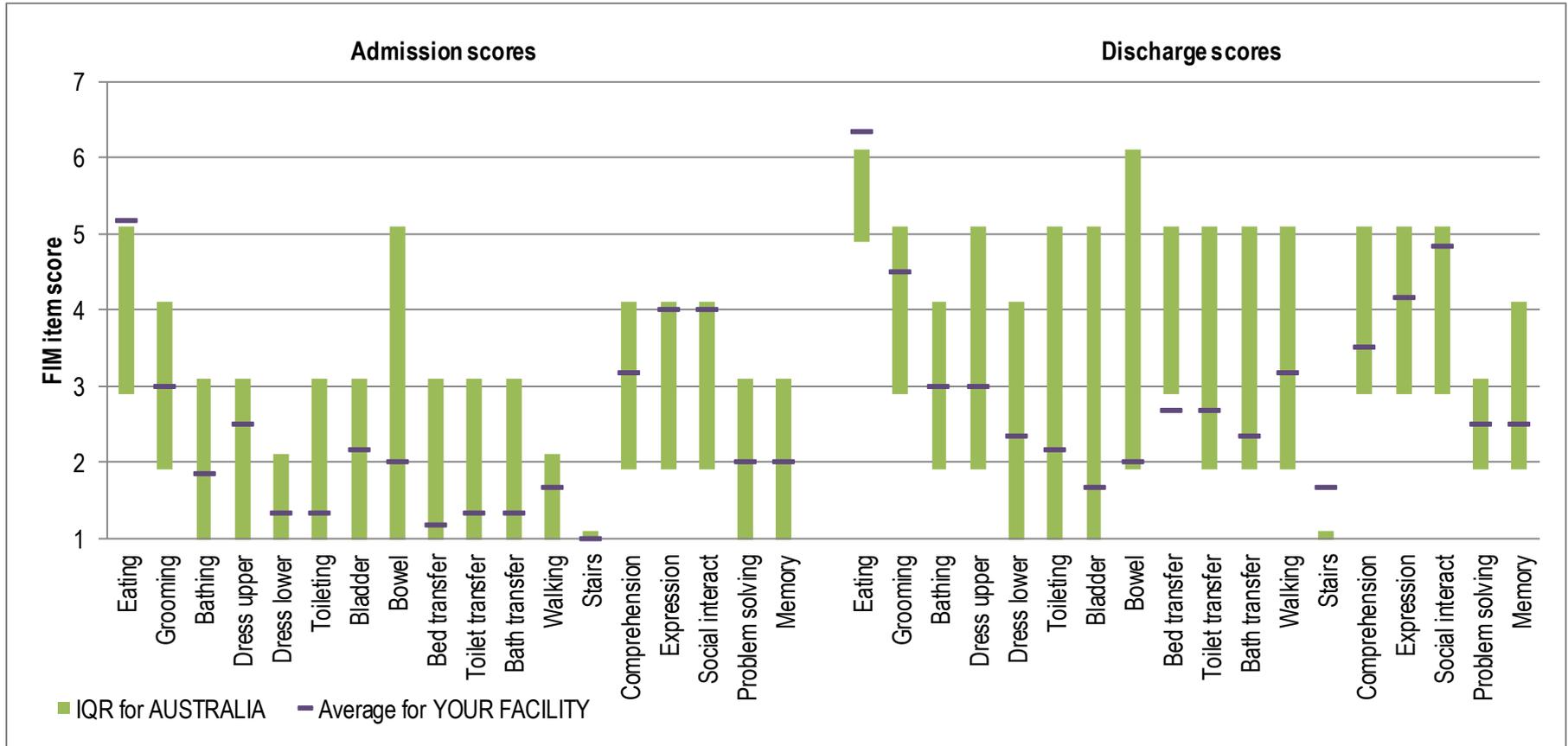


# Change in FIM item scoring at YOUR FACILITY

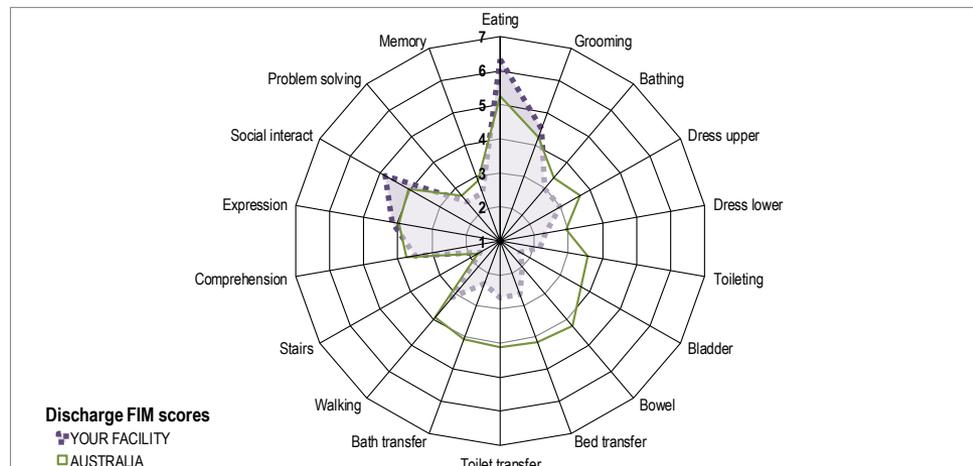
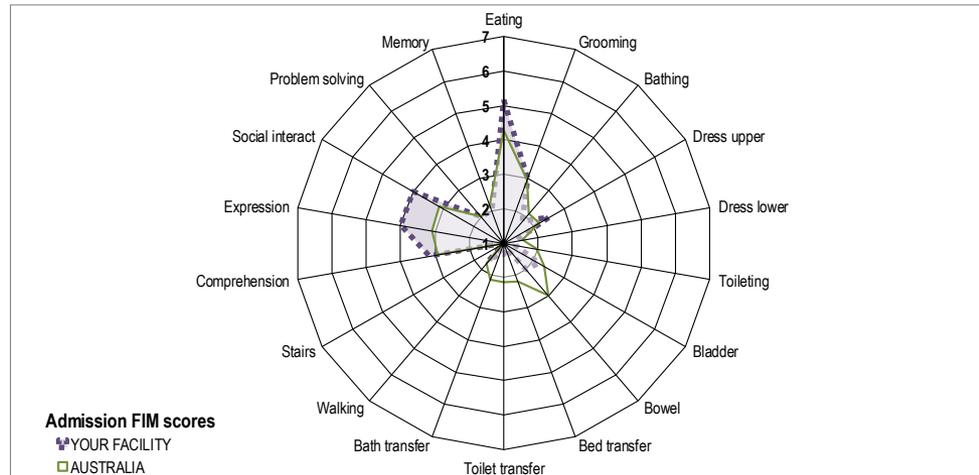
## AN-SNAP class 3-230



# Comparative FIM item scoring AN-SNAP class 3-230



# Comparative FIM item scoring AN-SNAP class 3-230



# Outcomes Analysis

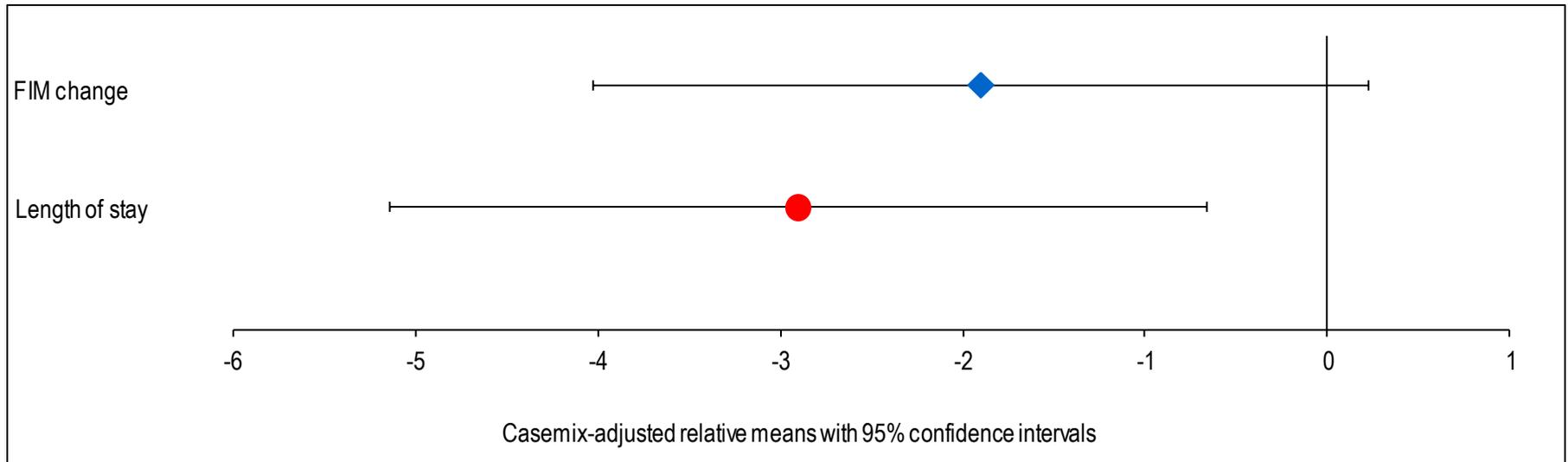
# Completed episodes by impairment and AN-SNAP class

Impairment	YOUR FACILITY			AUSTRALIA		
	All episodes	Completed episodes	%Complete	All episodes	Completed episodes	%Complete
8.111 Fracture of hip, unilateral	34	26	76.5%	6,935	6,041	87.1%
8.112 Fracture of hip, bilateral	3	3	100.0%	145	124	85.5%
8.12 Fracture of shaft of femur	8	7	87.5%	757	664	87.7%
8.13 Fracture of pelvis	7	6	85.7%	1,739	1,603	92.2%
8.141 Fracture of knee	7	7	100.0%	596	537	90.1%
8.142 Fracture of leg, ankle, foot	12	12	100.0%	1,568	1,410	89.9%
8.15 Fracture of upper limb	5	5	100.0%	1,614	1,461	90.5%
8.16 Fracture of spine	7	7	100.0%	1,454	1,315	90.4%
8.17 Fracture of multiple sites	8	7	87.5%	1,885	1,710	90.7%
8.19 Other orthopaedic fracture	9	8	88.9%	1,168	1,043	89.3%
<b>All Orthopaedic fractures</b>	<b>100</b>	<b>88</b>	<b>88.0%</b>	<b>17,861</b>	<b>15,908</b>	<b>89.1%</b>

AN-SNAP class	YOUR FACILITY			AUSTRALIA		
	All episodes	Completed episodes	%Complete	All episodes	Completed episodes	%Complete
3-227 (motor 58-91)	47	43	91.5%	6,560	6,192	94.4%
3-228 (motor 48-57)	14	12	85.7%	4,665	4,244	91.0%
3-229 (motor 14-47, cognition 19-35)	29	24	82.8%	5,401	4,533	83.9%
3-230 (motor 14-47, cognition 5-18)	6	6	100.0%	1,074	863	80.4%
<b>All Ortho-fracture AN-SNAP classes</b>	<b>100</b>	<b>88</b>	<b>88.0%</b>	<b>17,861</b>	<b>15,908</b>	<b>89.1%</b>

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

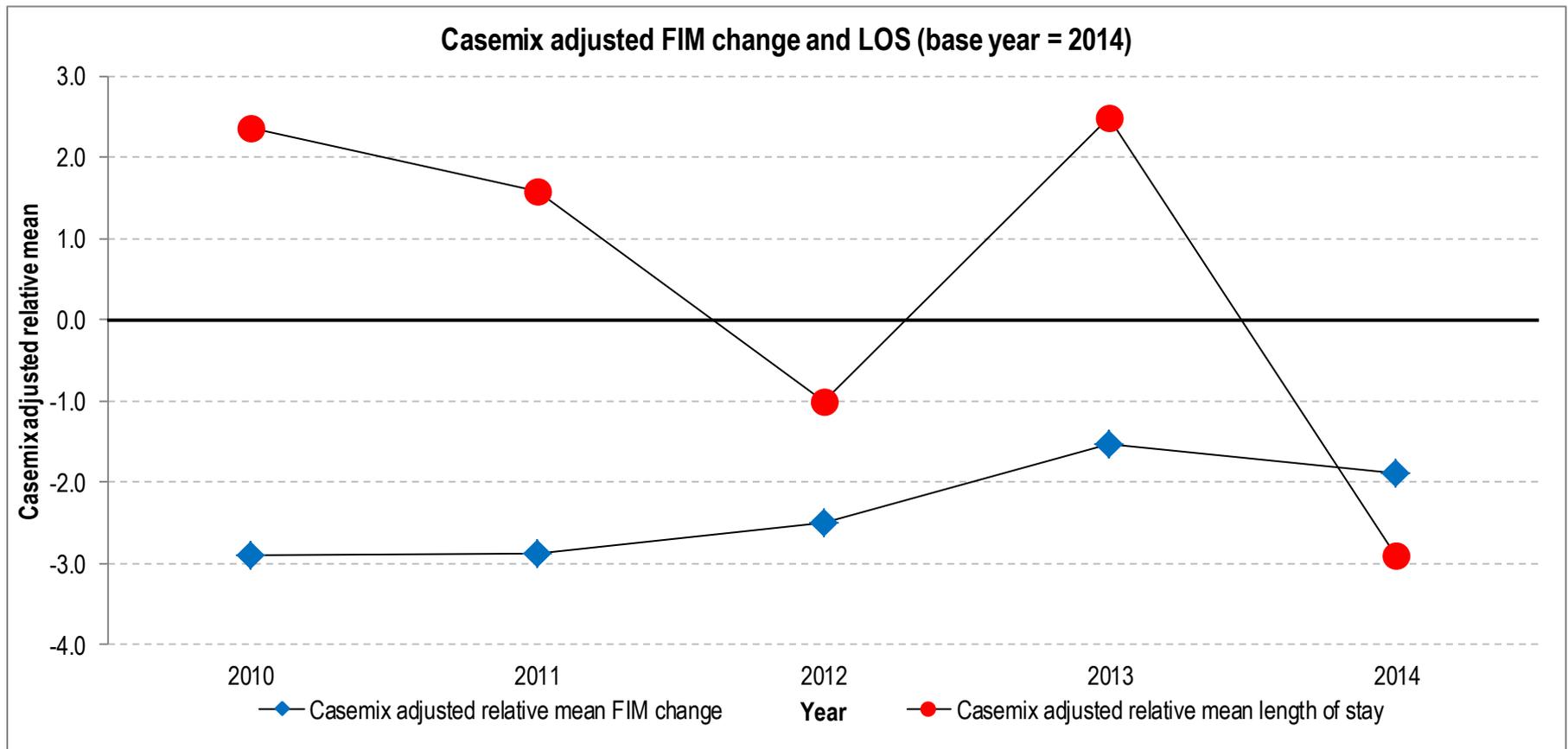
# Casemix-adjusted relative means



Outcome measures	YOUR FACILITY	
	Casemix adjustment relative mean	95% CI
Length of stay	-2.9	-5.1 to -0.7
FIM change	-1.9	-4.0 to 0.2

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

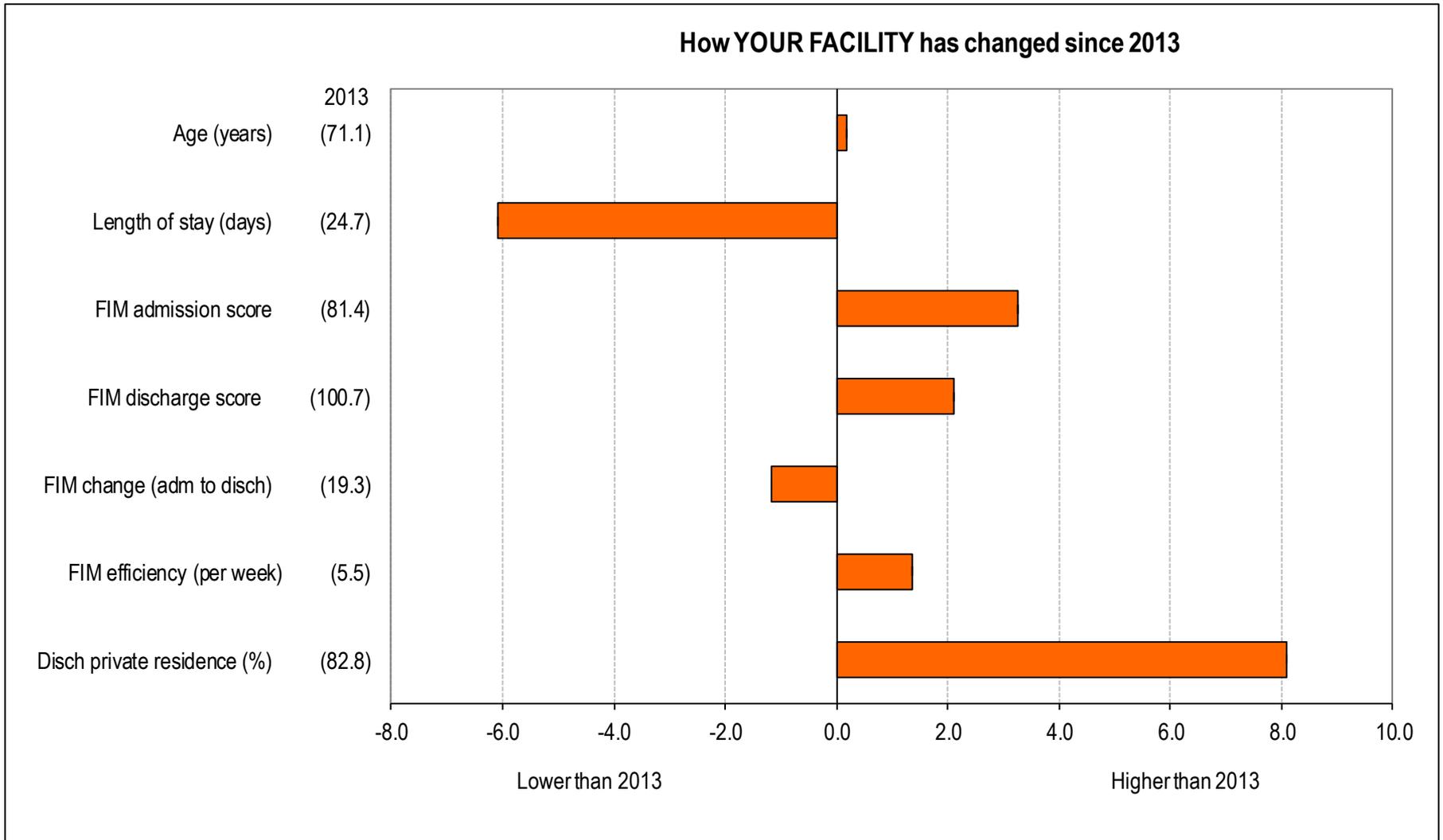
# Casemix-adjusted relative means over time



NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will be zero

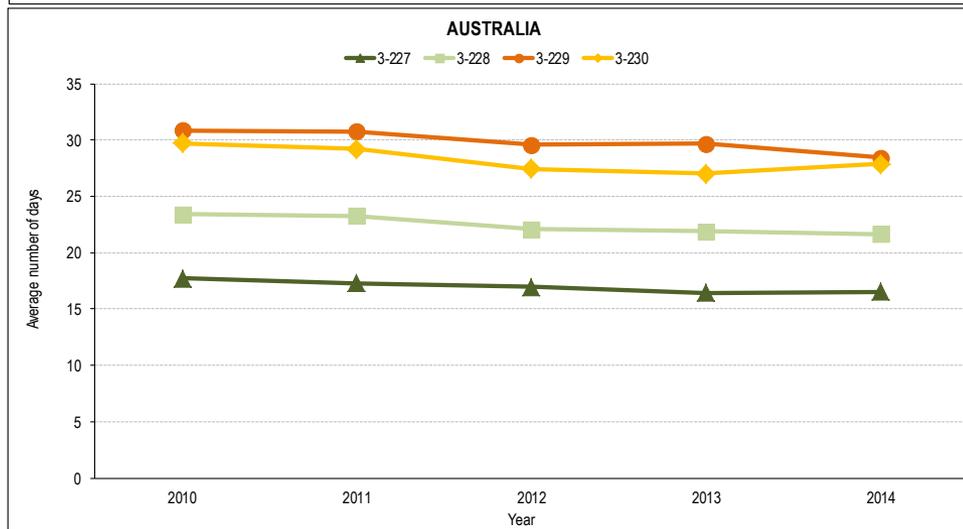
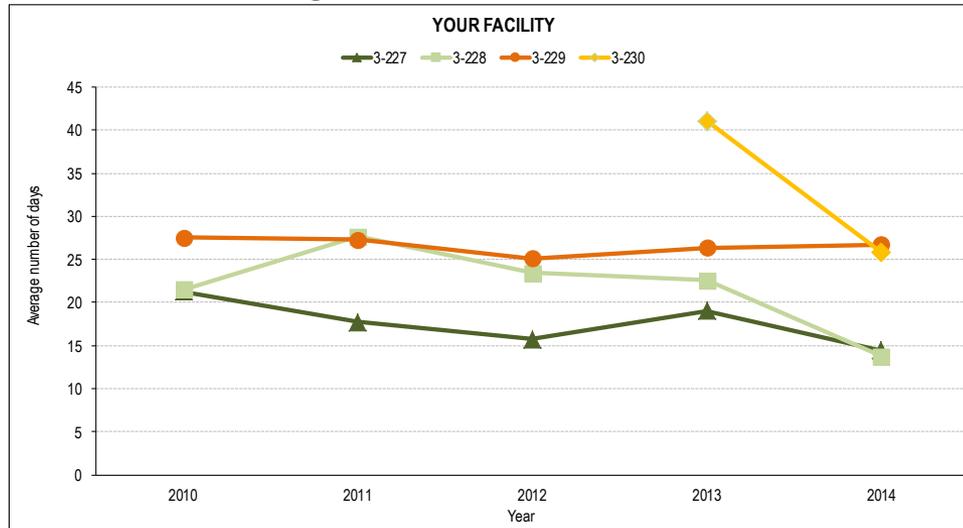


# Outcome measures – difference from 2013



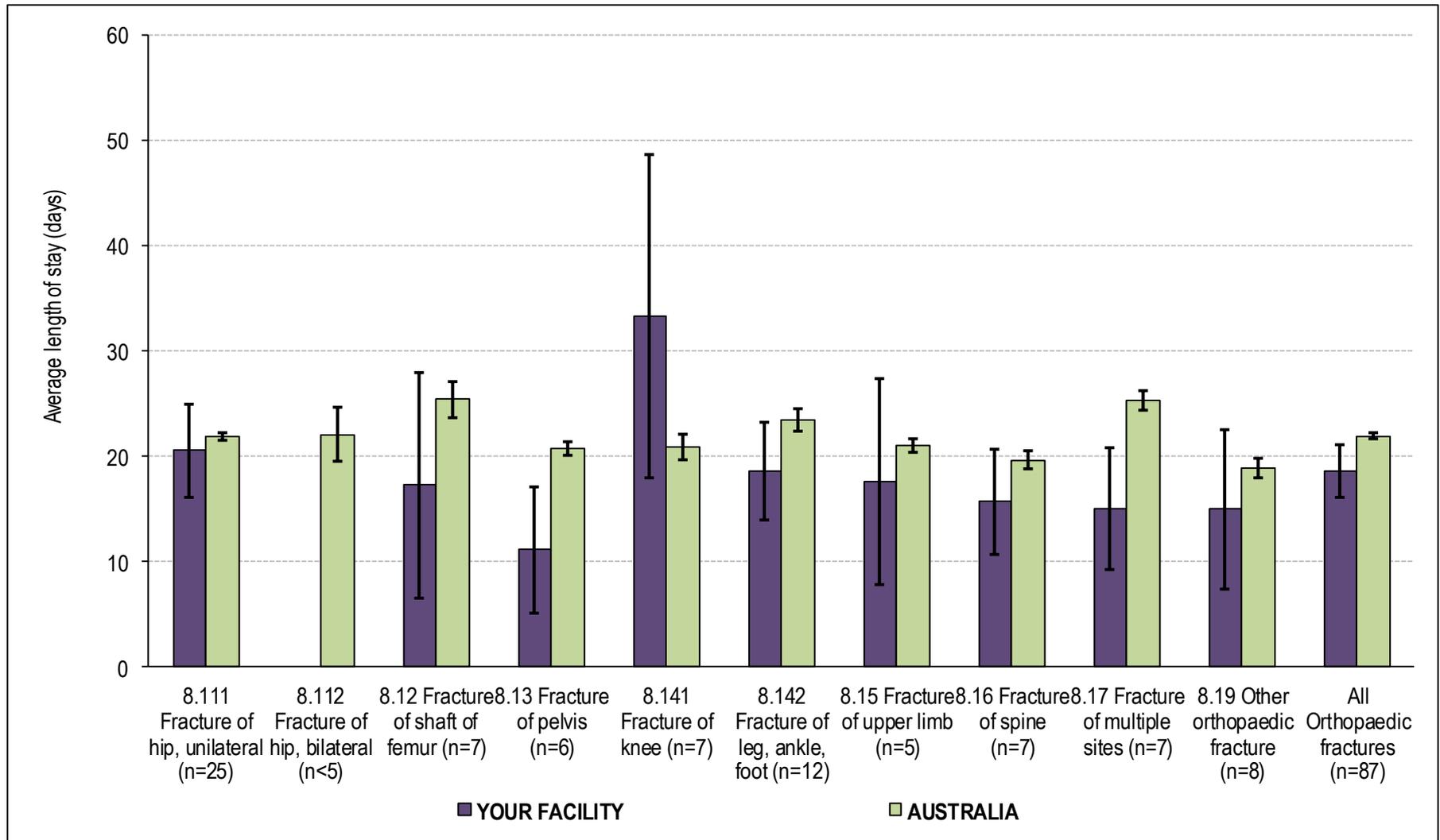
NOTE: Includes only completed episodes with valid FIM scores and LOS

# Average LOS by AN-SNAP class over time



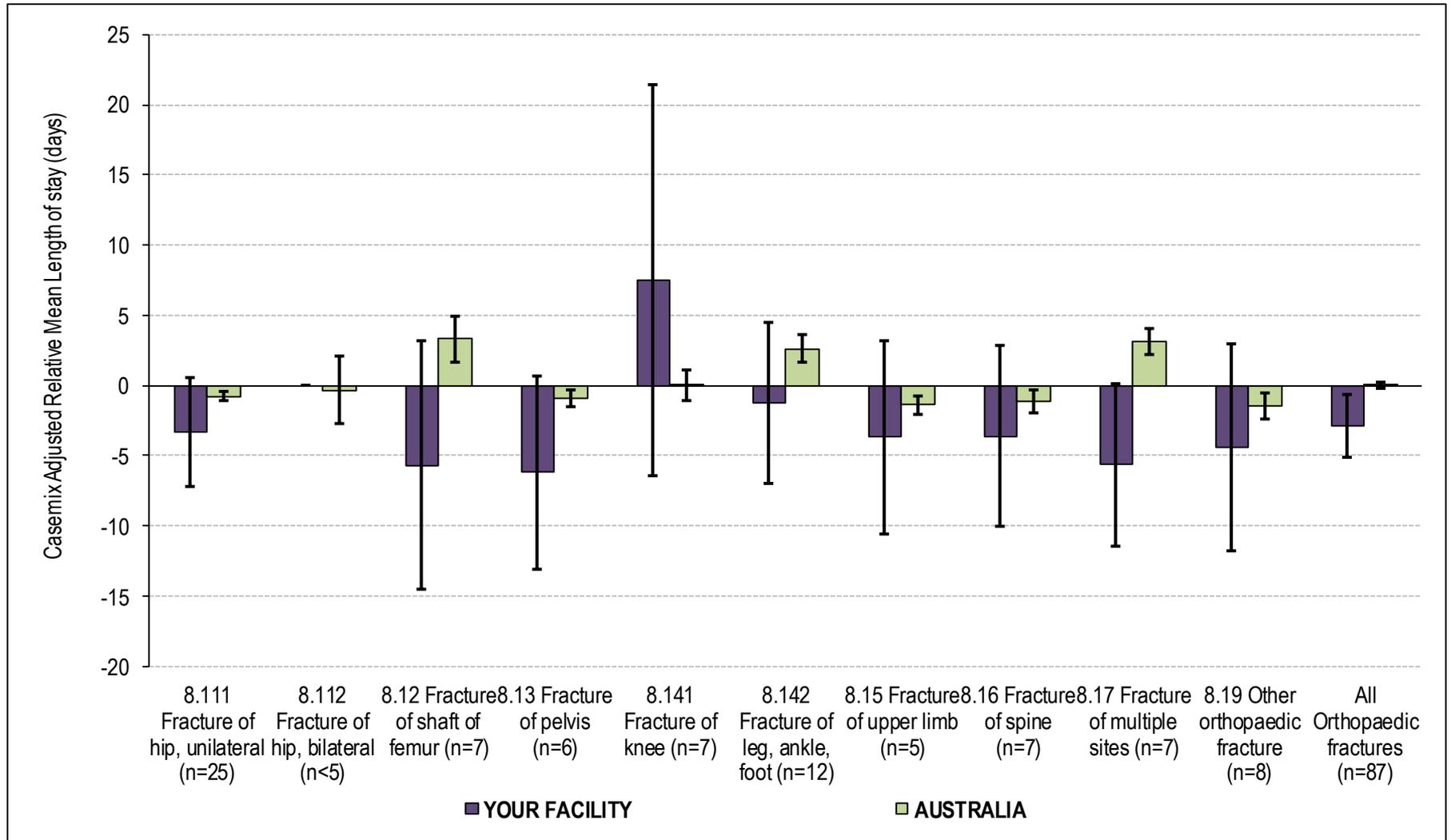
NOTE: Includes only completed episodes with valid LOS; where n<5 ALOS will not be shown

# Average LOS by impairment



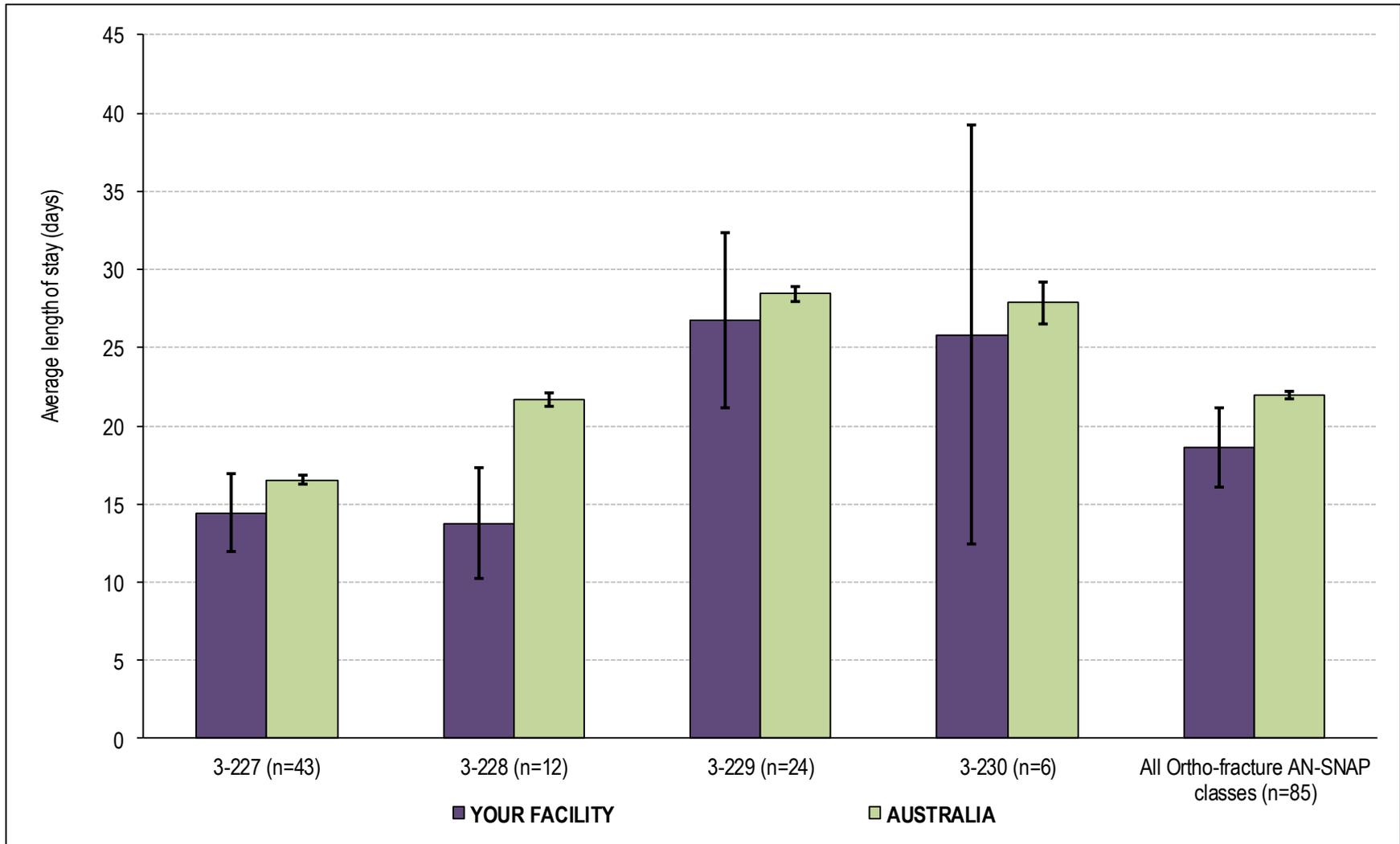
NOTE: Includes only completed episodes with valid LOS

# Casemix-adjusted relative mean LOS by impairment



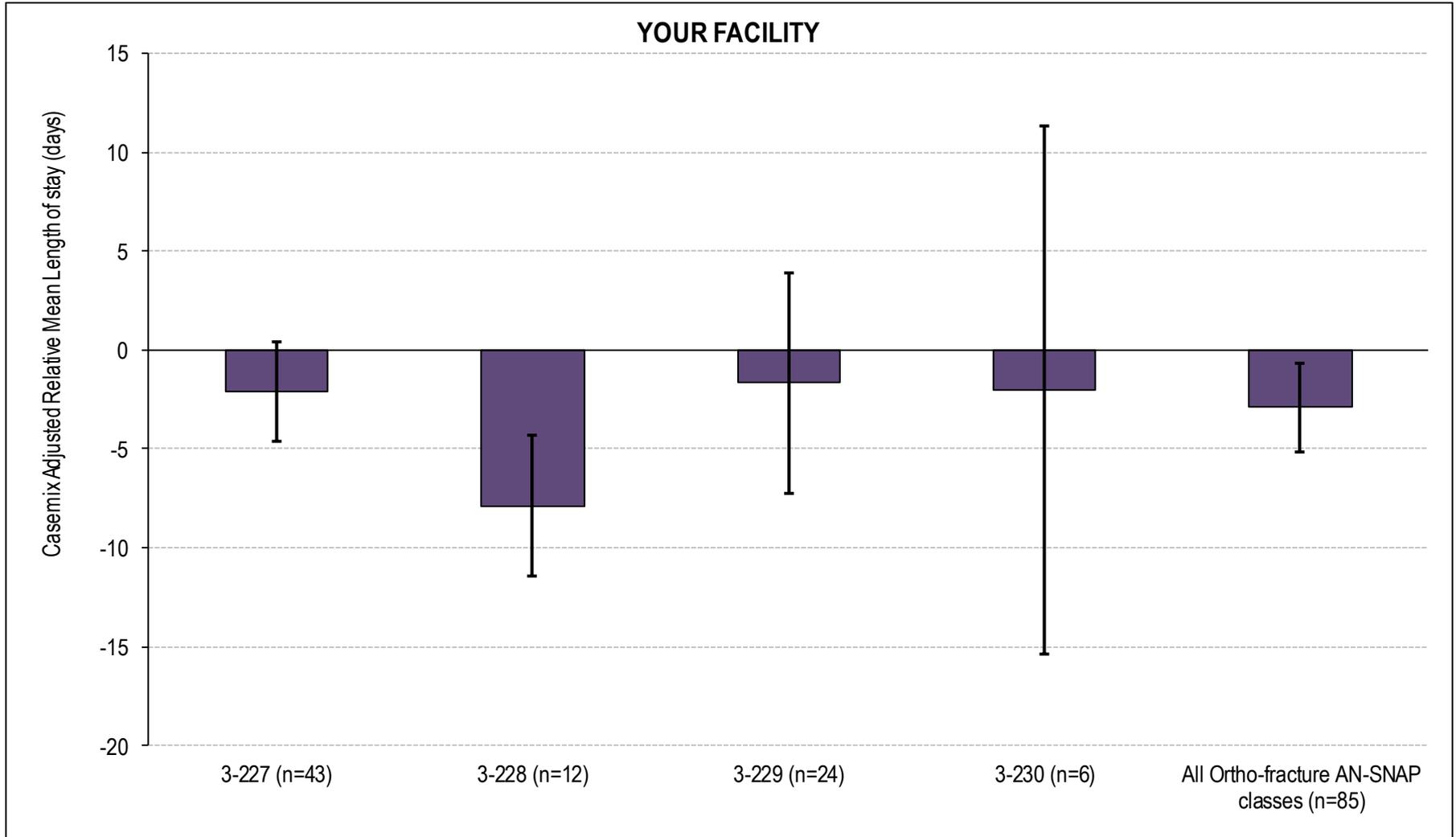
NOTE: Includes only completed episodes with valid LOS

# Average LOS by AN-SNAP class



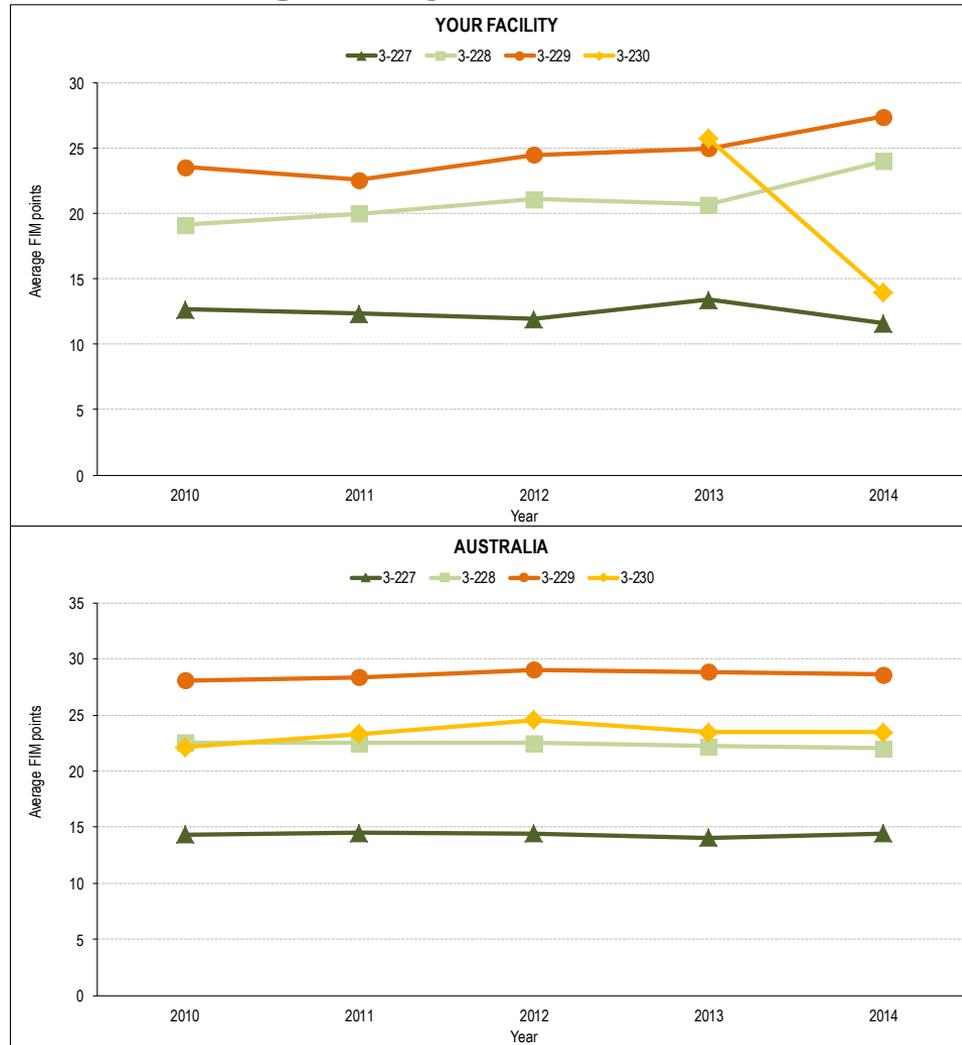
NOTE: Includes only completed episodes with valid LOS

# Casemix-adjusted relative mean LOS by AN-SNAP class



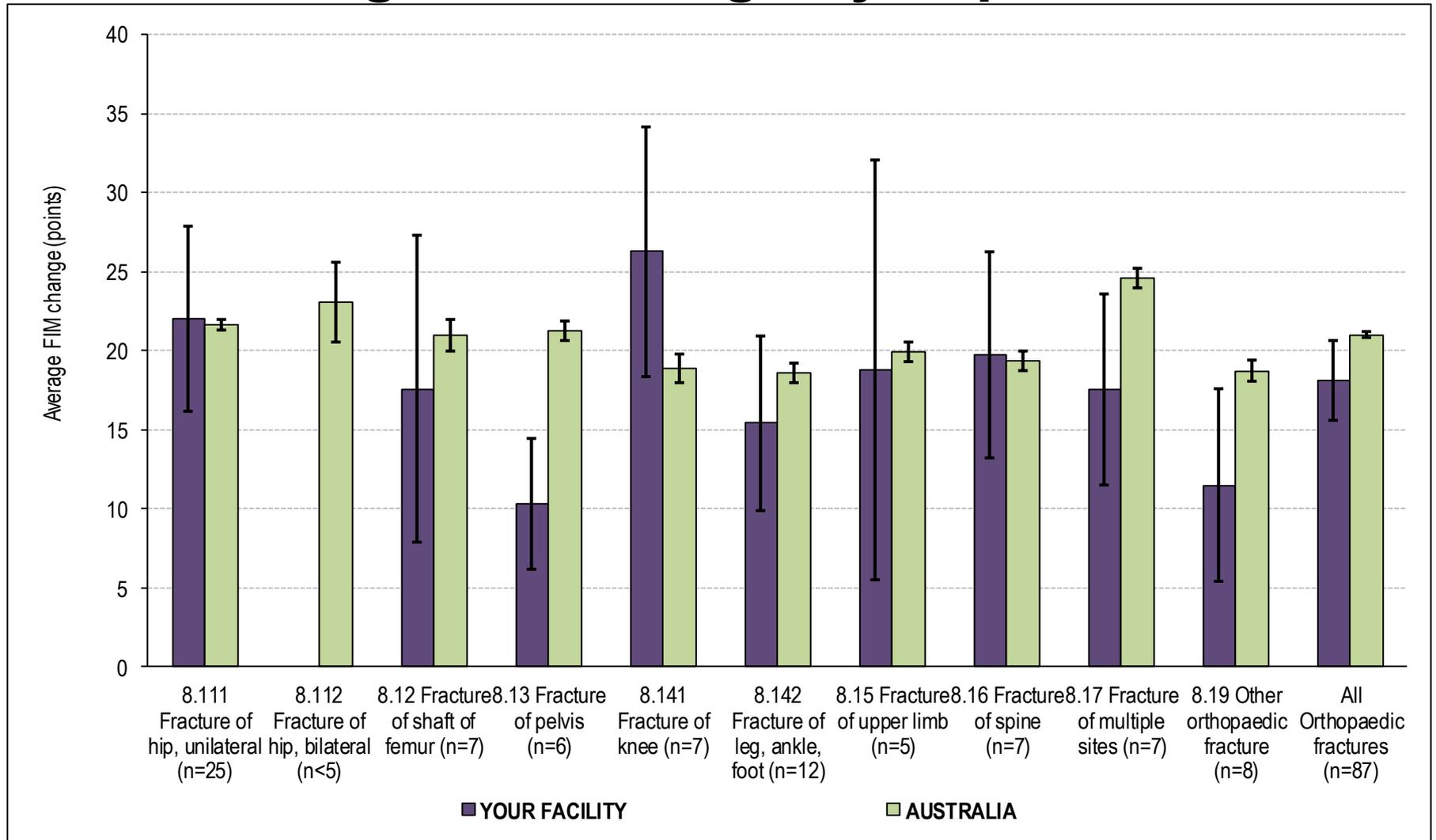
NOTE: Includes only completed episodes with valid LOS

# Average FIM change by AN-SNAP class over time



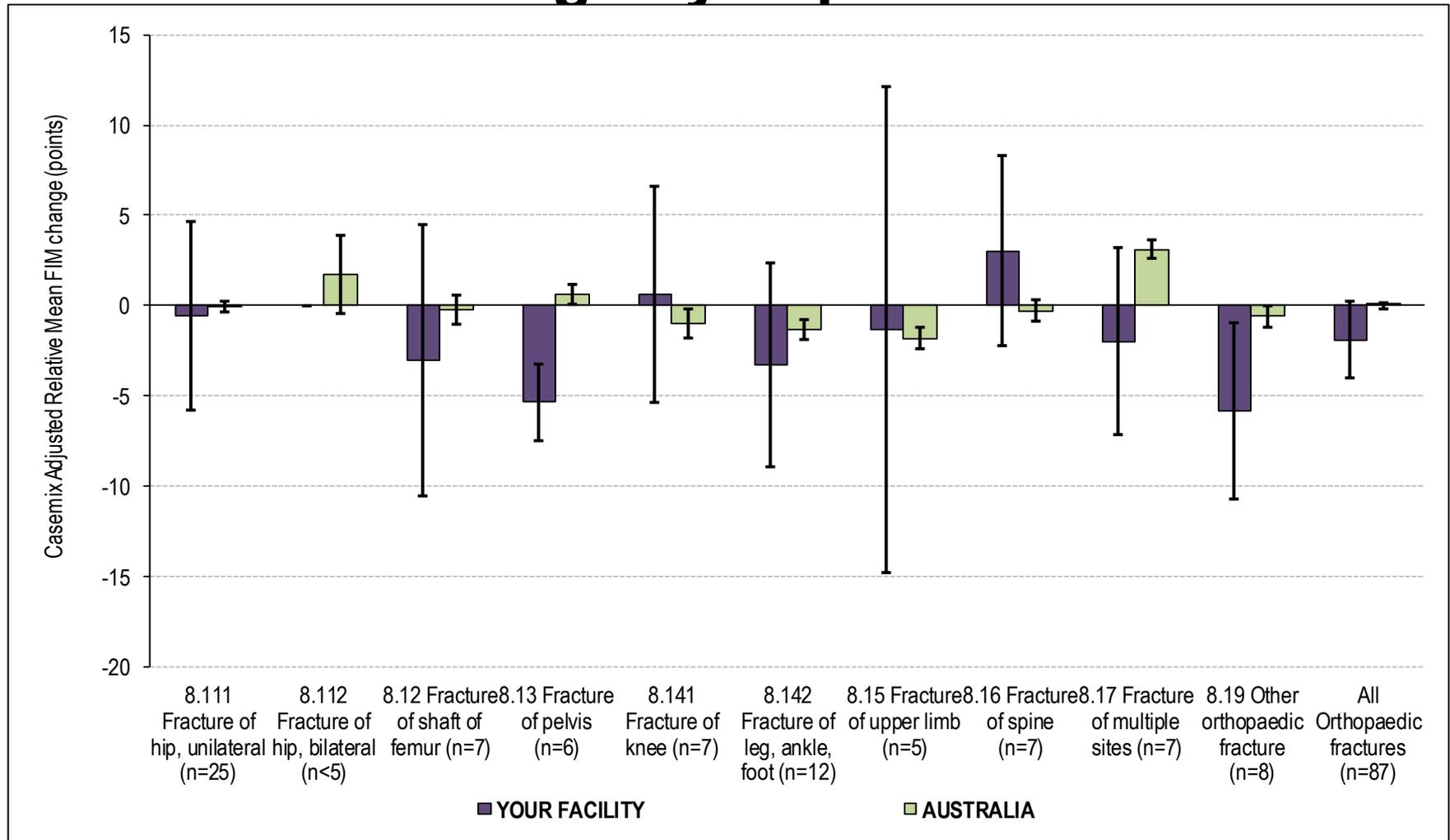
NOTE: Includes only completed episodes with valid FIM scores; where n<5 average FIM change will not be shown

# Average FIM change by impairment



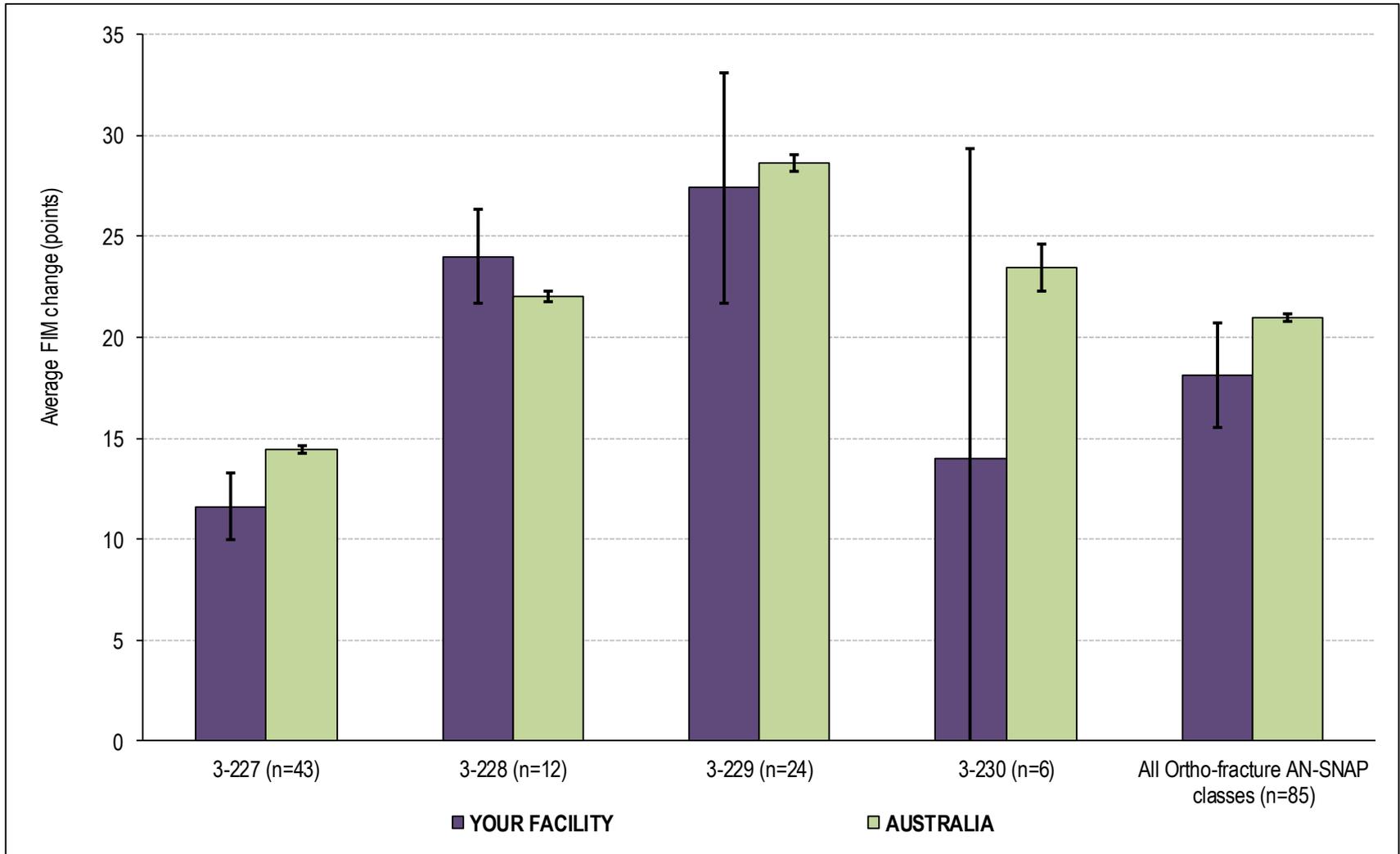
NOTE: Includes only completed episodes with valid FIM scores

# Casemix-adjusted relative mean FIM change by impairment



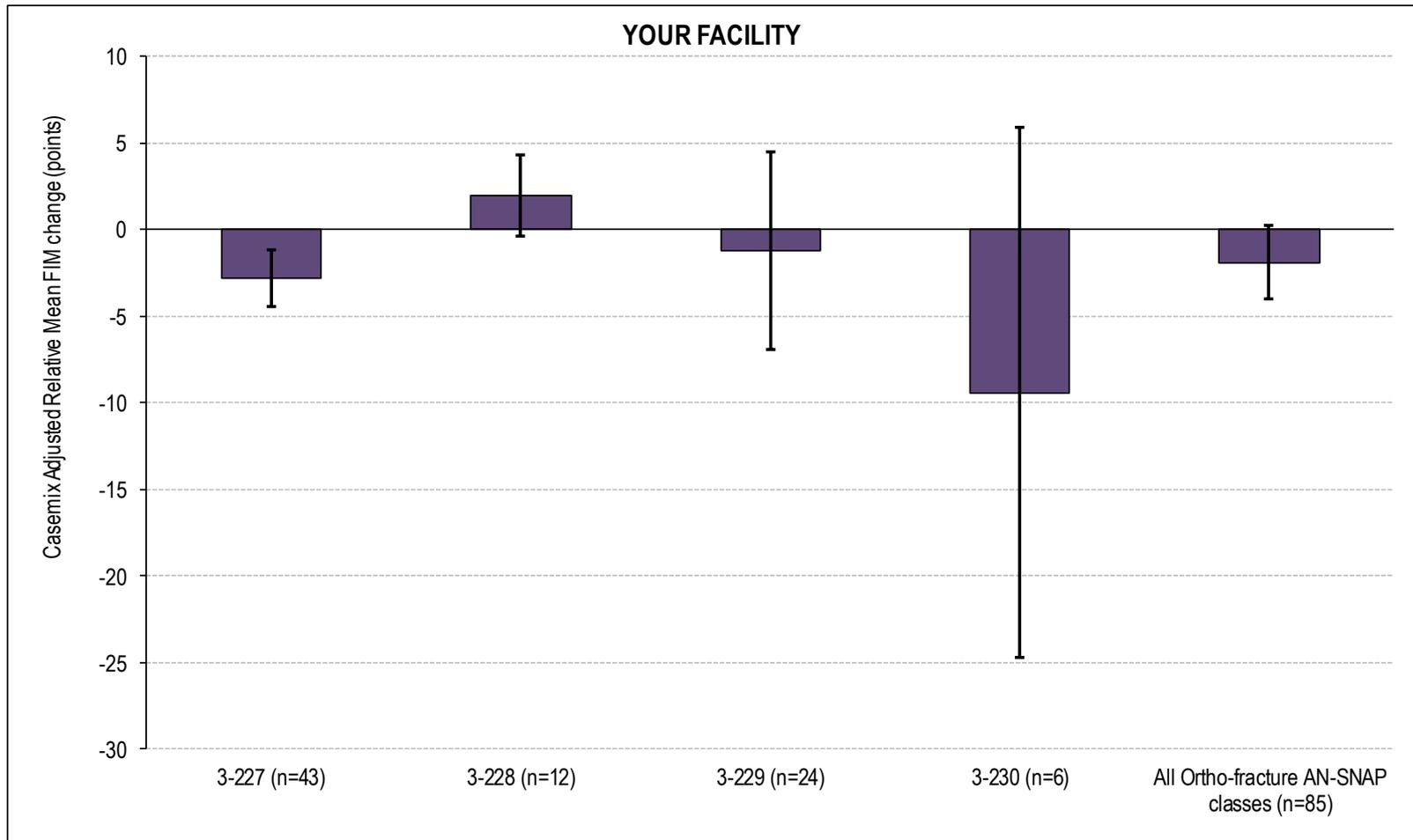
NOTE: Includes only completed episodes with valid FIM scores

# Average FIM change by AN-SNAP class



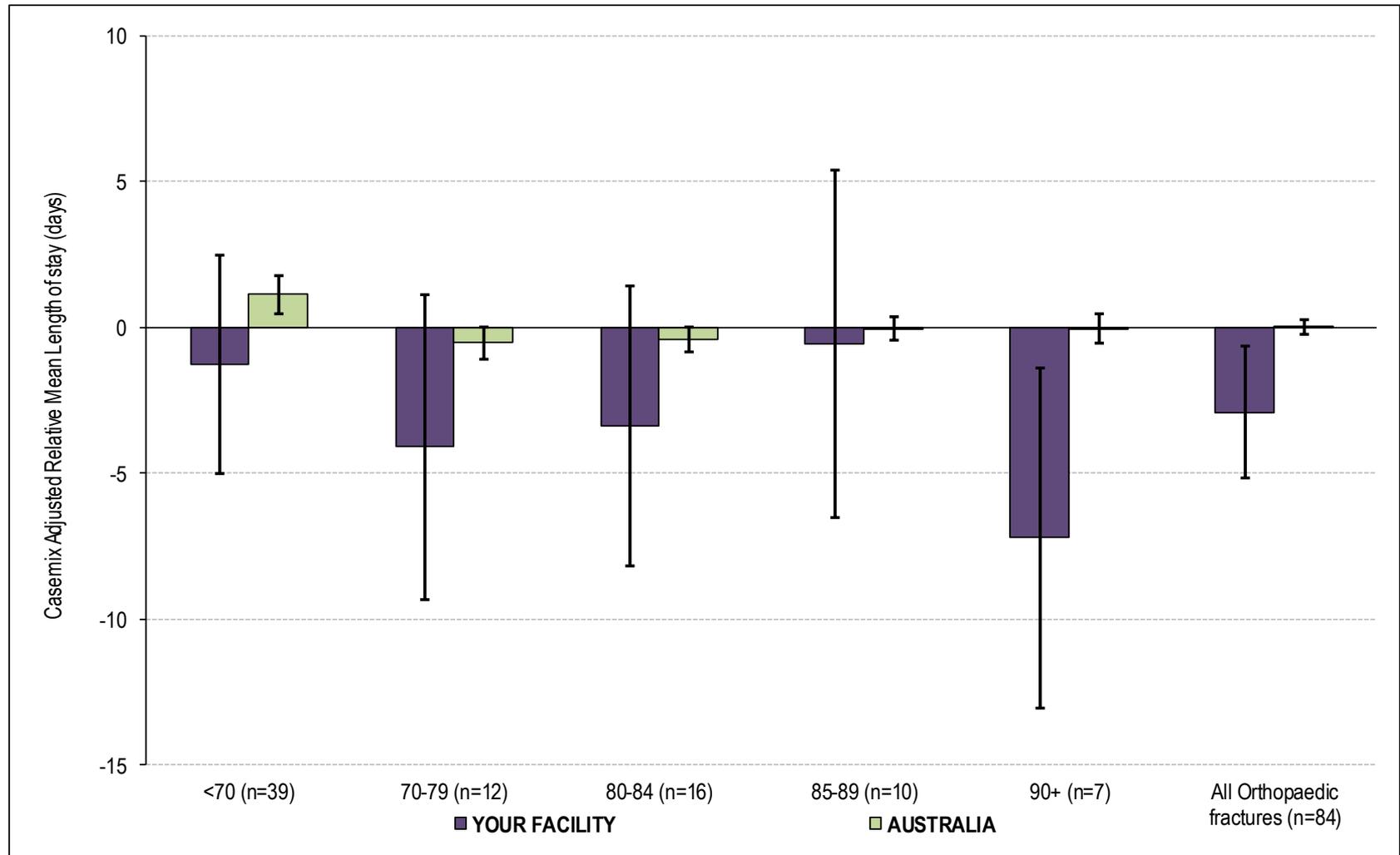
NOTE: Includes only completed episodes with valid FIM scores

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



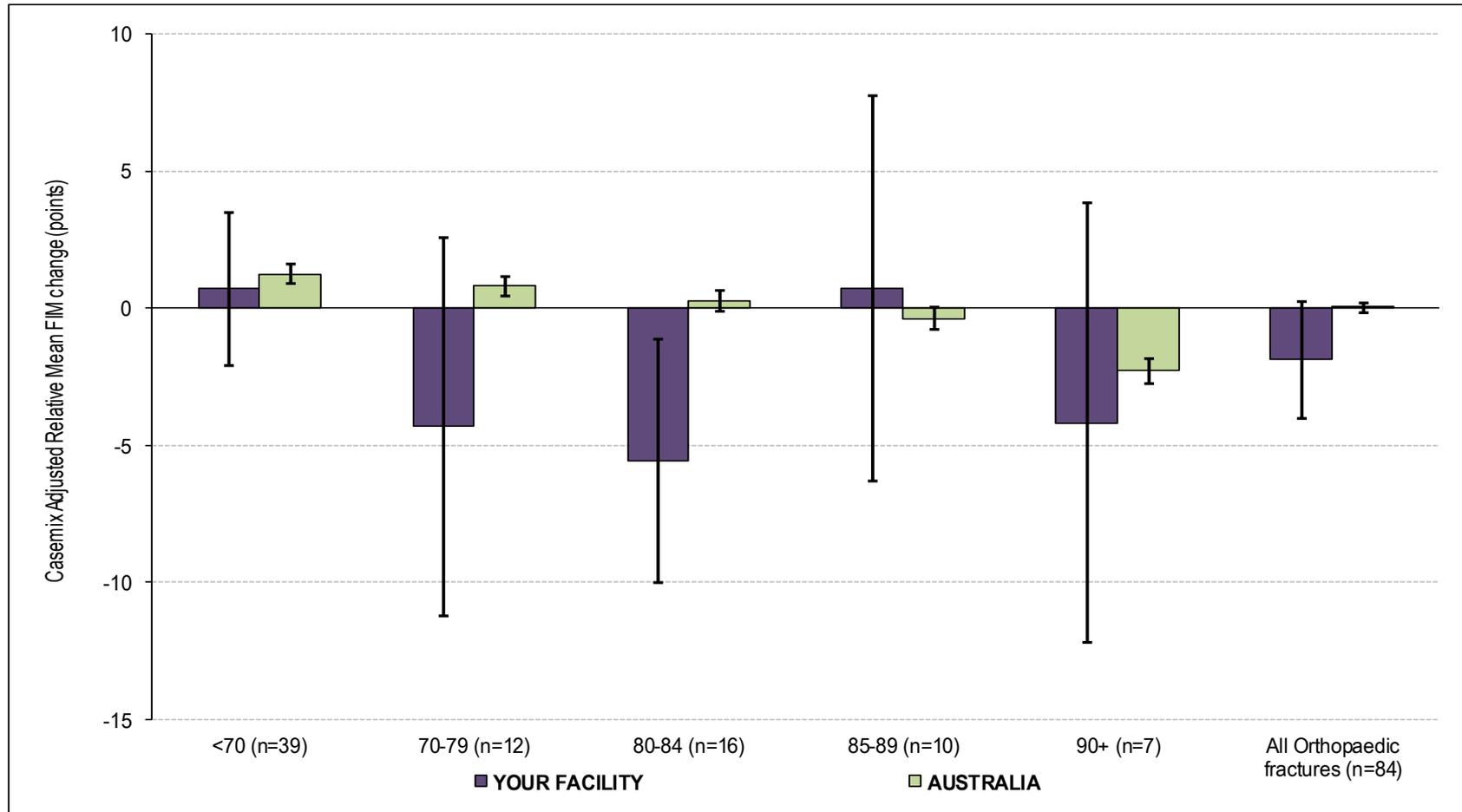
NOTE: Includes only completed episodes with valid FIM scores

# 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\*

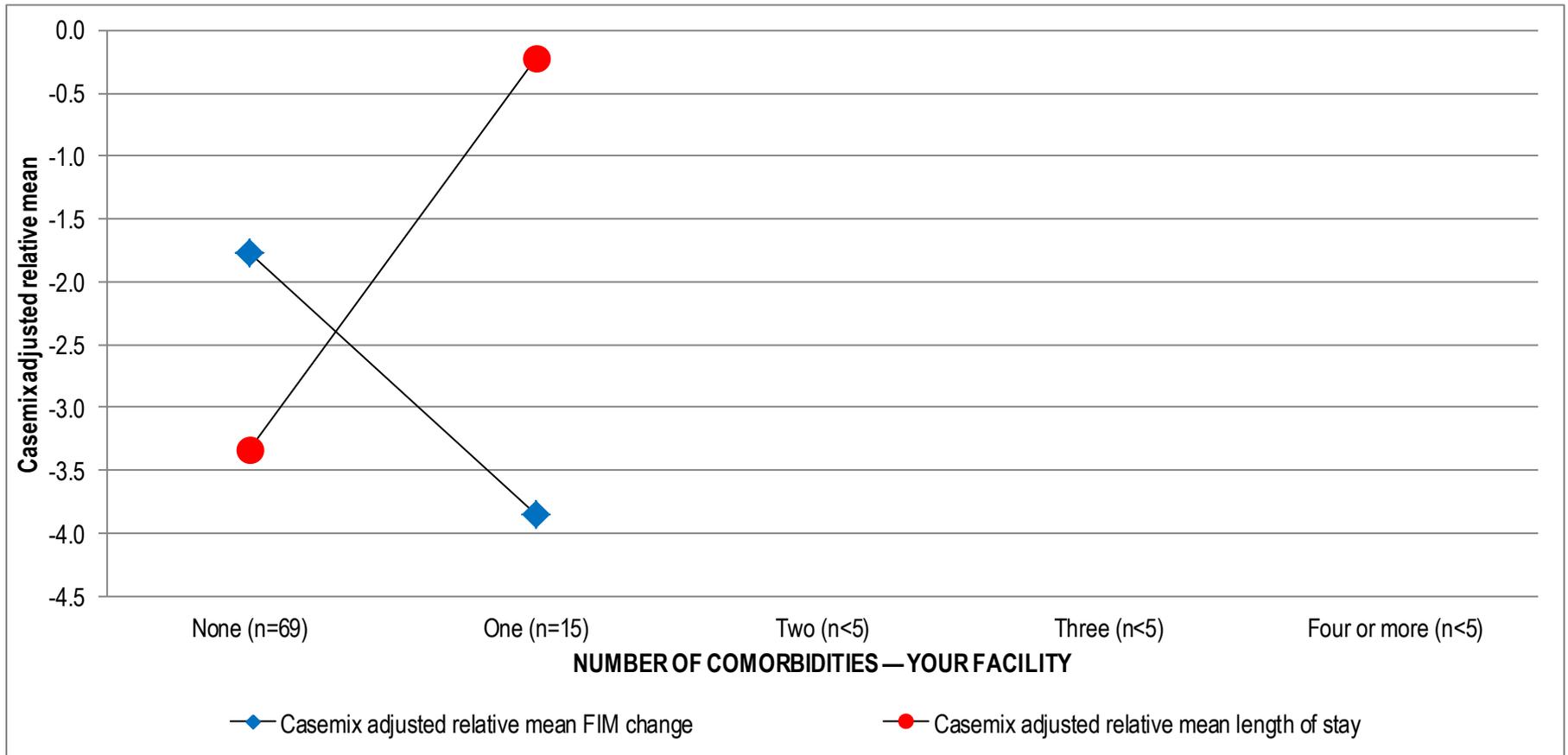
Age group	YOUR FACILITY		AUSTRALIA	
	LOS (95%CI)	FIM change (95%CI)	LOS (95%CI)	FIM change (95%CI)
<70	20.5 (16.0—25.1)	21.4 (17.7—25.1)	21.7 (21.0—22.4)	20.7 (20.3—21.2)
70-79	17.3 (13.0—21.6)	15.6 (8.7—22.5)	20.7 (20.1—21.3)	21.1 (20.7—21.5)
80-84	17.5 (11.7—23.3)	14.3 (9.1—19.4)	21.5 (21.0—22.0)	21.3 (20.8—21.7)
85-89	19.8 (14.6—25.0)	18.8 (9.7—27.9)	22.5 (22.1—23.0)	21.3 (20.9—21.8)
90+	14.7 (9.5—19.9)	14.7 (7.3—22.1)	23.6 (23.1—24.1)	20.5 (20.0—21.0)
<b>All Orthopaedic fractures</b>	<b>18.6 (16.1—21.1)</b>	<b>18.1 (15.6—20.7)</b>	<b>21.9 (21.7—22.2)</b>	<b>21.0 (20.8—21.2)</b>

Age group	YOUR FACILITY		AUSTRALIA	
	CARMI LOS (95%CI)	CARMI FIM change (95%CI)	CARMI LOS (95%CI)	CARMI FIM change (95%CI)
<70	-1.3 (-5.0—2.5)	0.7 (-2.1—3.5)	1.1 (0.5—1.8)	1.2 (0.9—1.6)
70-79	-4.1 (-9.3—1.1)	-4.3 (-11.2—2.6)	-0.5 (-1.1—0.0)	0.8 (0.4—1.1)
80-84	-3.4 (-8.2—1.4)	-5.6 (-10.0—1.1)	-0.4 (-0.9—0.0)	0.2 (-0.1—0.6)
85-89	-0.6 (-6.5—5.4)	0.7 (-6.3—7.7)	0.0 (-0.4—0.4)	-0.4 (-0.8—0.0)
90+	-7.2 (-13.1—1.4)	-4.2 (-12.2—3.8)	-0.1 (-0.6—0.4)	-2.3 (-2.7—1.8)
<b>All Orthopaedic fractures</b>	<b>-2.9 (-5.1—0.7)</b>	<b>-1.9 (-4.0—0.2)</b>	<b>0.0 (-0.2—0.2)</b>	<b>0.0 (-0.2—0.2)</b>

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

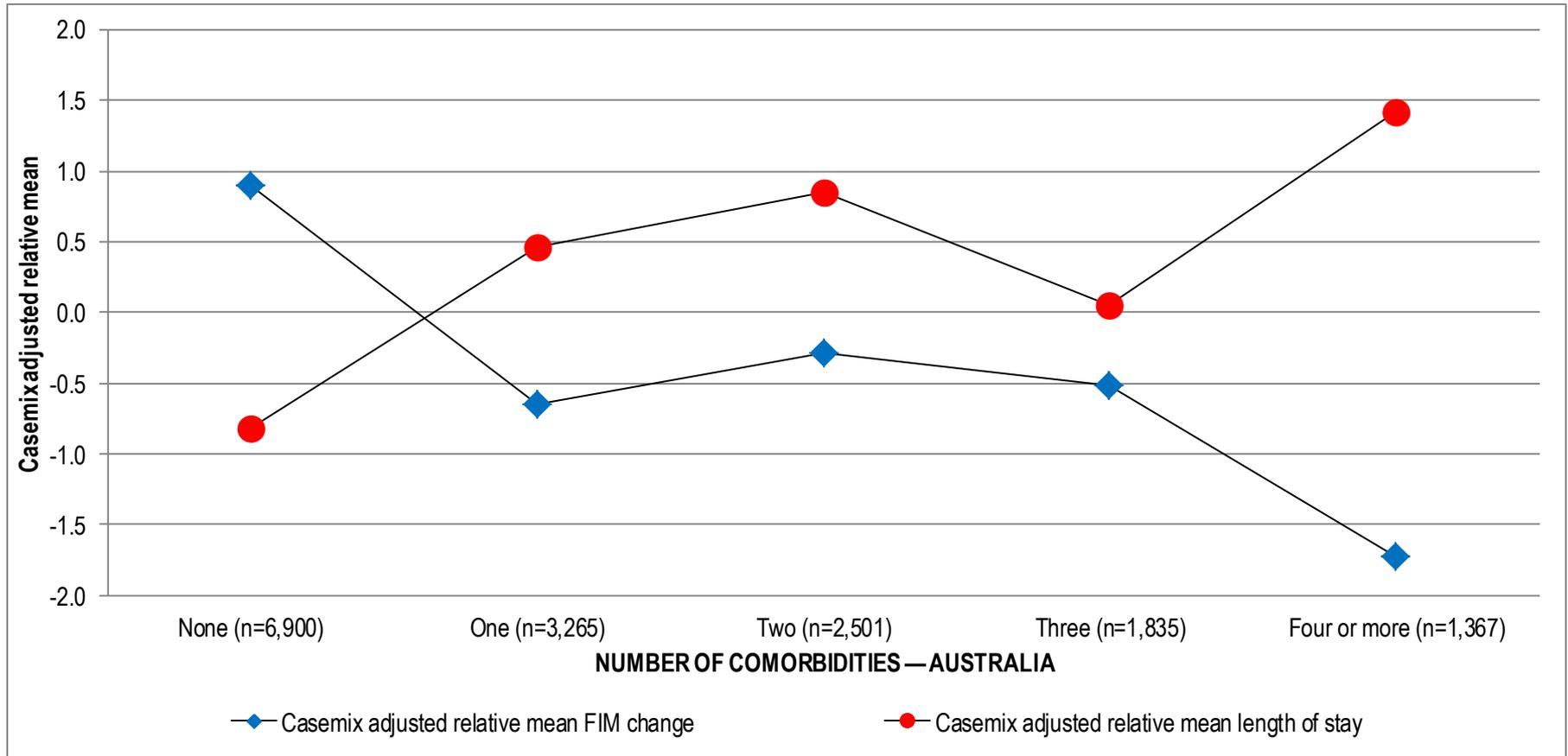
\* Approximately 20% national population per age group

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



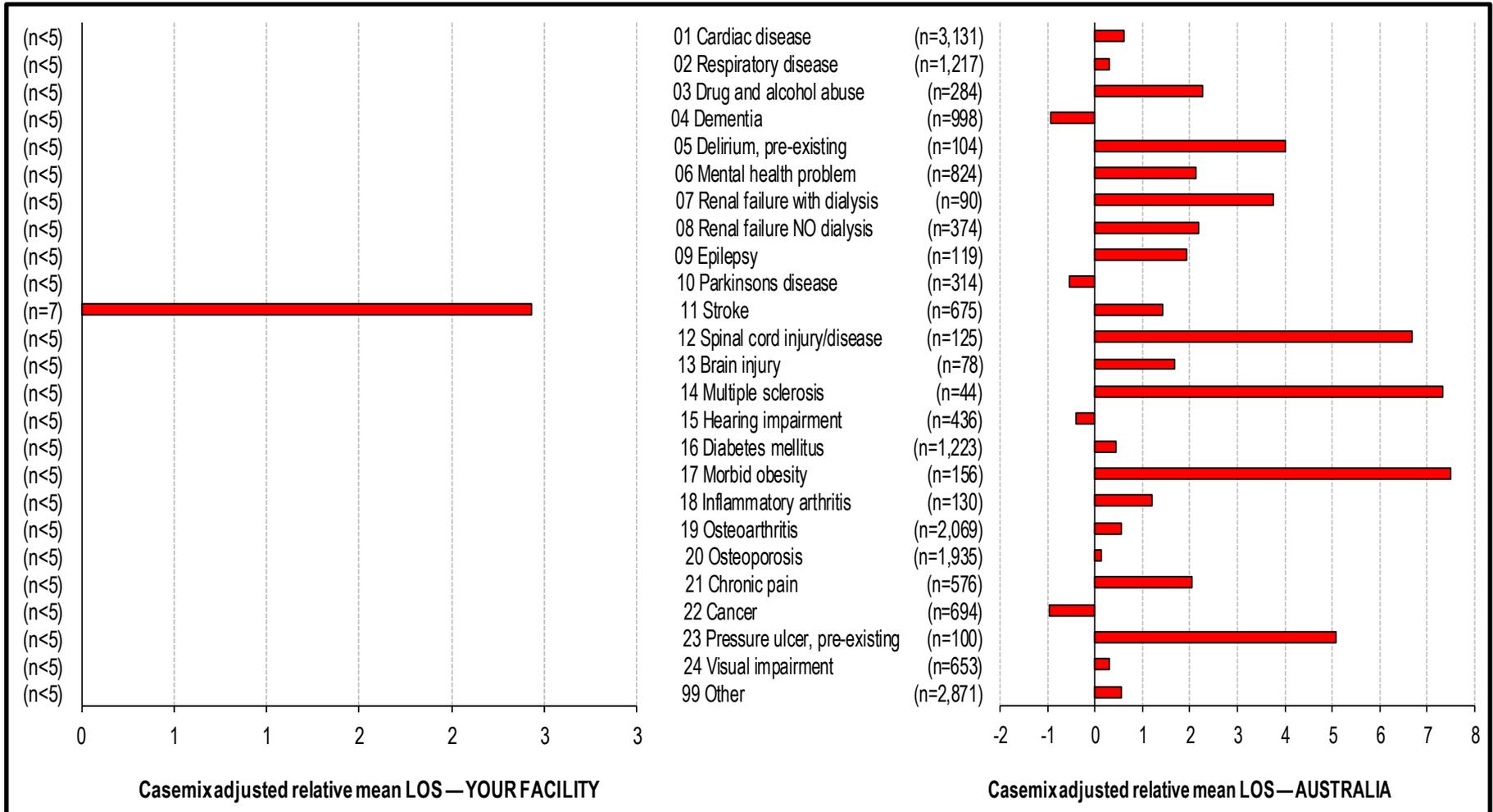
NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will be zero

# 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 be zero

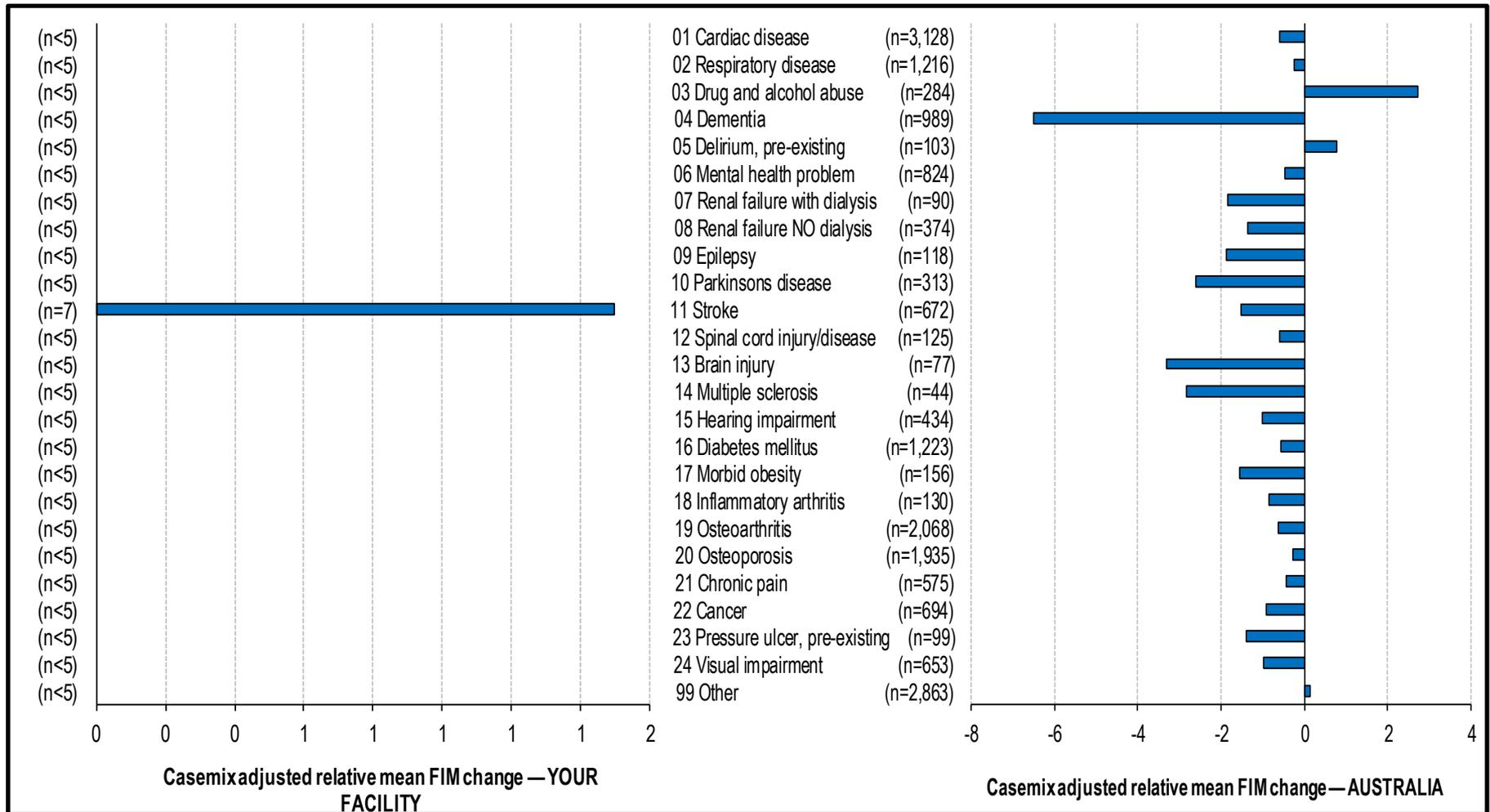
# Casemix-adjusted relative mean LOS by type of comorbidity



\* No data included where number of episodes <5

NOTE: Includes only completed episodes with valid LOS

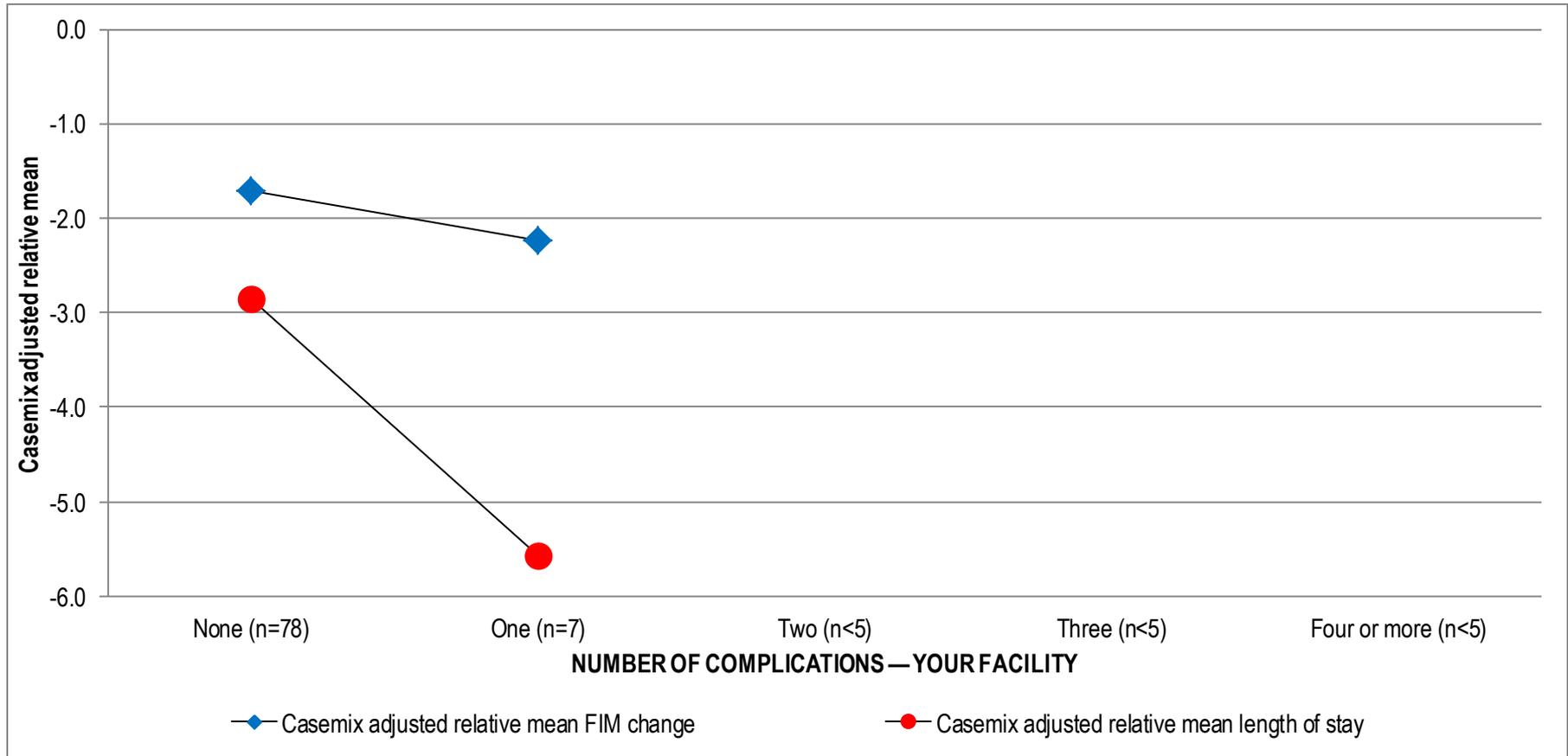
# Casemix-adjusted relative mean FIM change by type of comorbidity



\* No data included where number of episodes <5

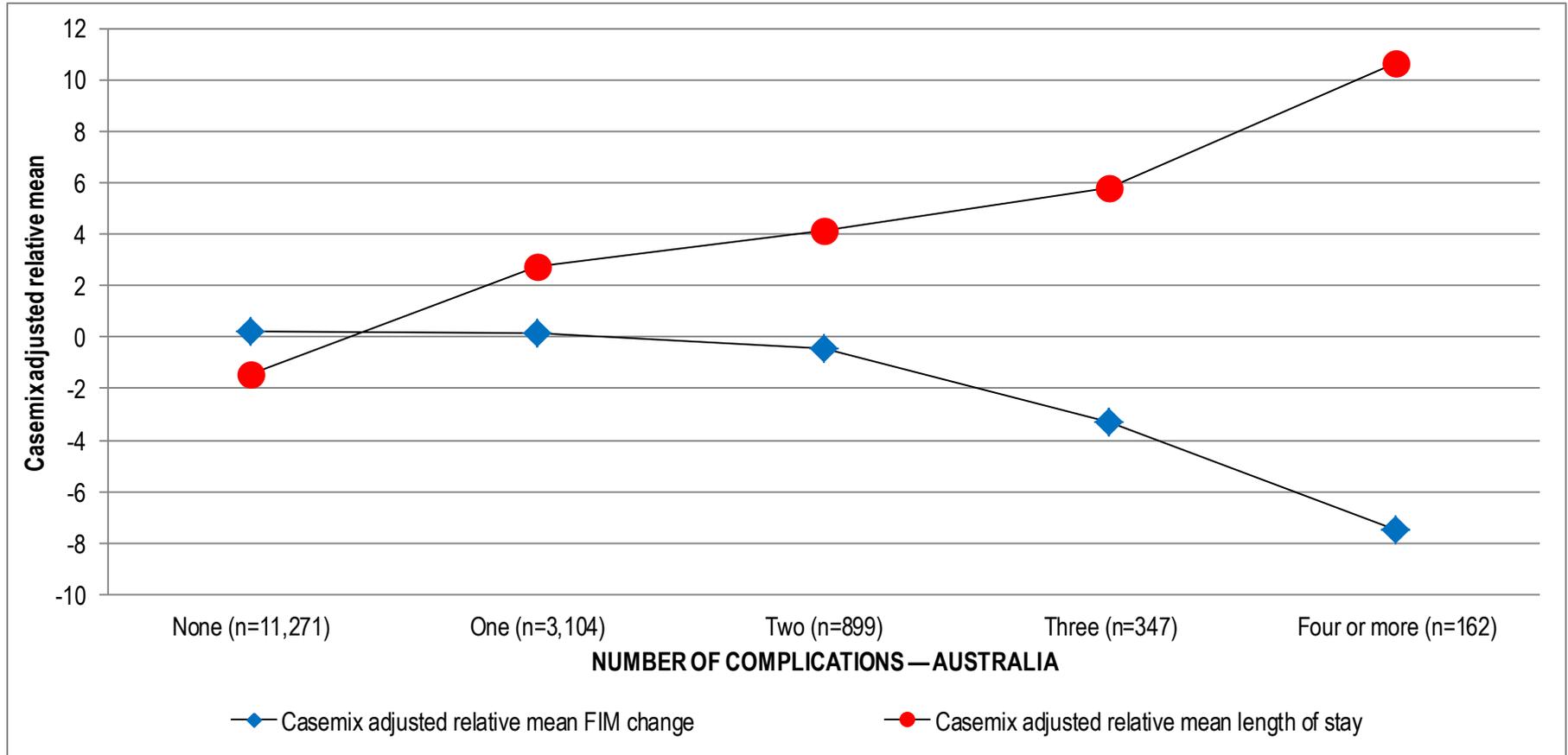
NOTE: Includes only completed episodes with valid FIM scores

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



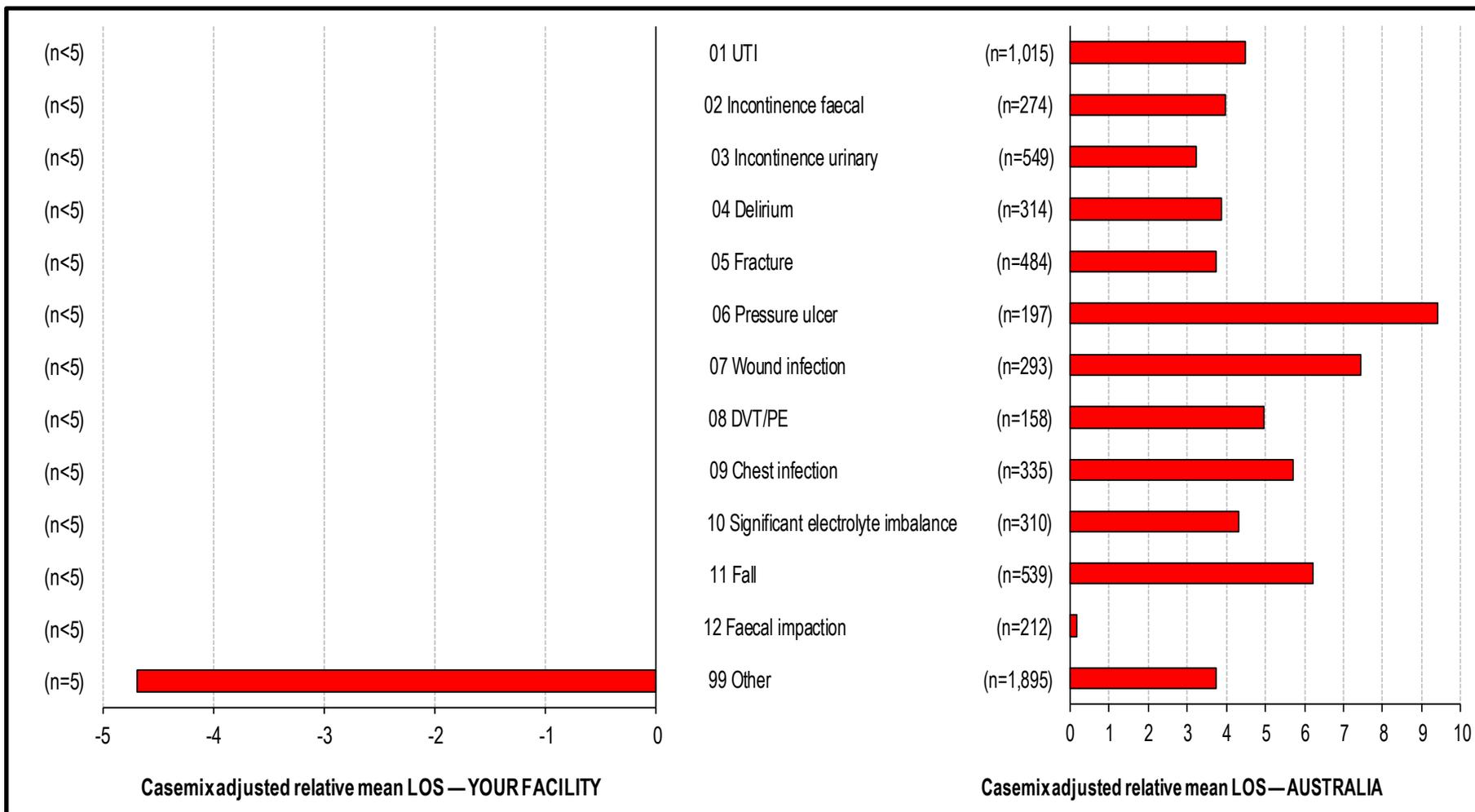
NOTE: Includes only completed episodes with valid FIM scores and LOS; where n<5 the casemix-adjusted relative mean will be zero

# 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 be zero

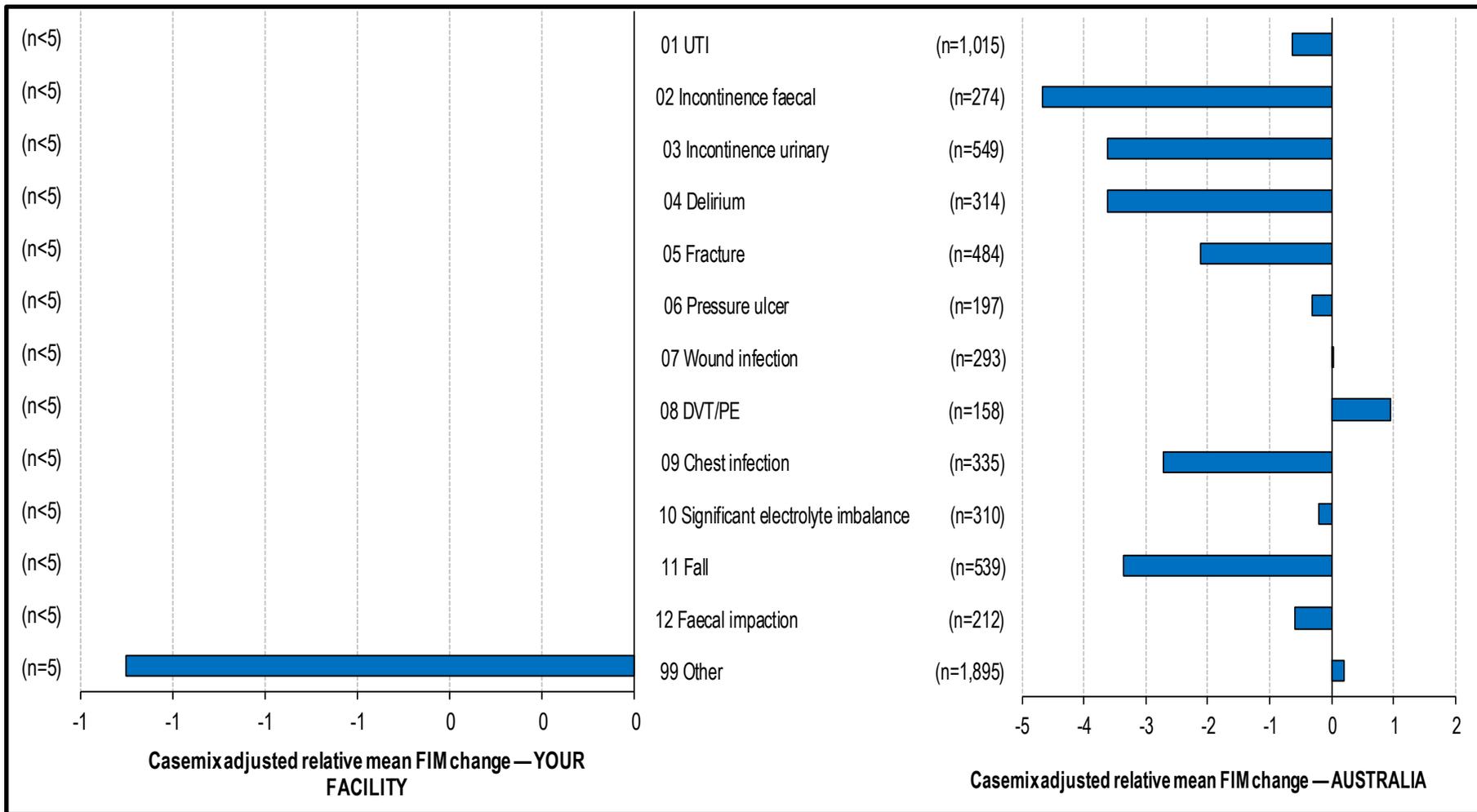
# Casemix-adjusted relative mean length of stay by type of complication



\* 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

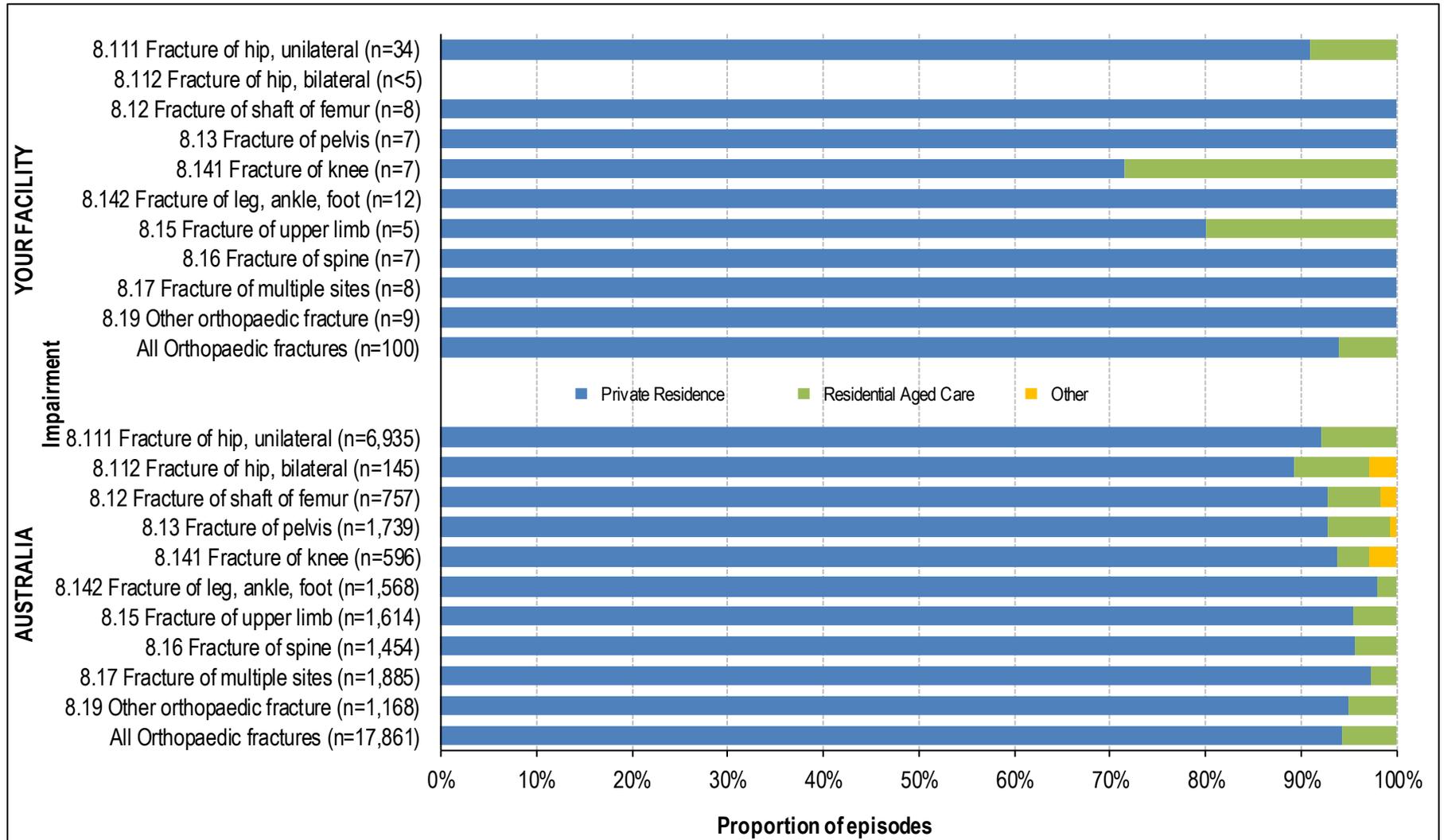


\* No data included where number of episodes <5

NOTE: Includes only completed episodes with valid FIM scores

# Explanatory data

# Type of accommodation prior to impairment

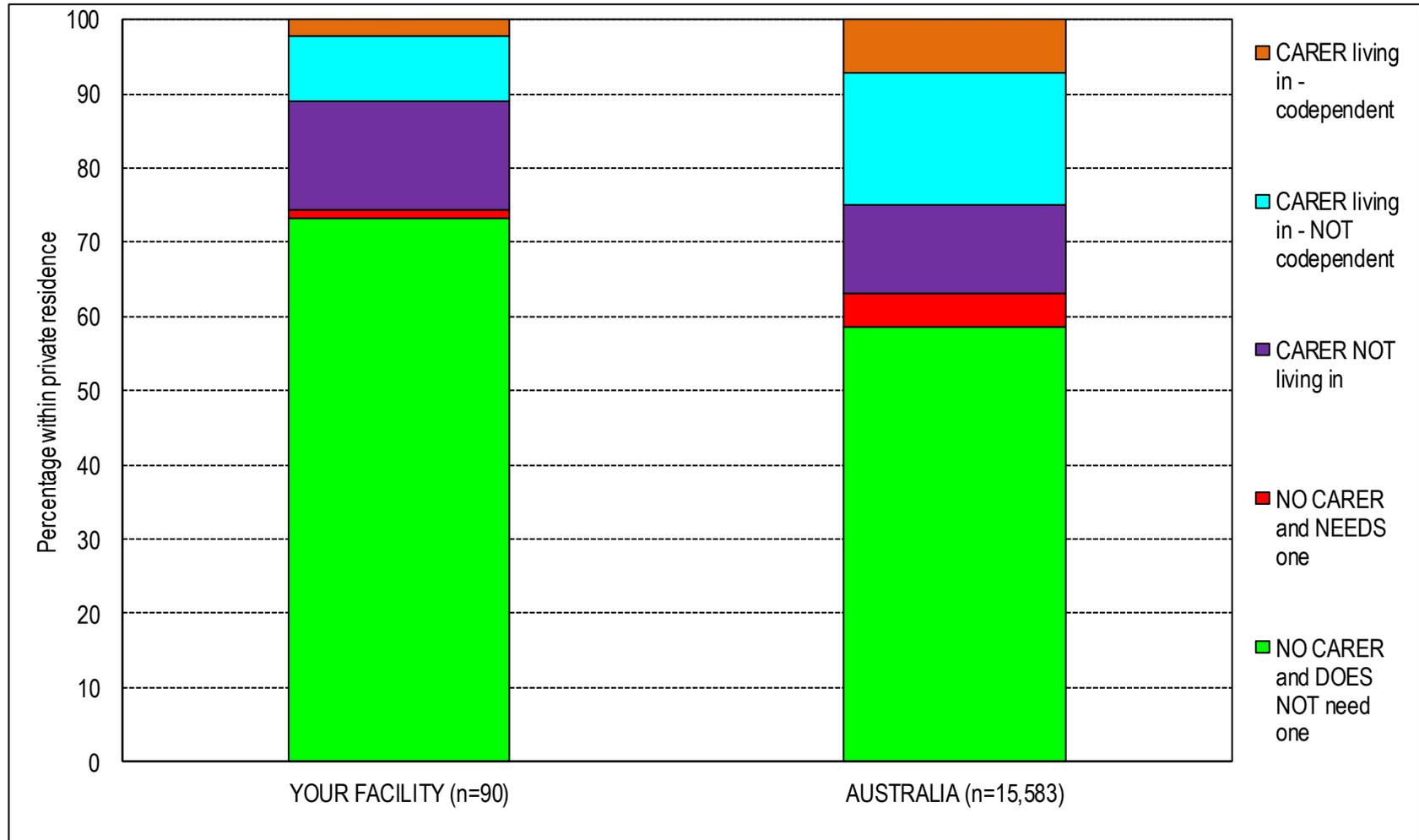


# Type of accommodation prior to impairment

YOUR FACILITY — N (%)					
Impairment	Private residence	Residential Aged			All episodes
		Care	Other	Unknown	
8.111 Fracture of hip, unilateral	30 (90.9%)	3 (9.1%)	0 (0.0%)	1	34 (100.0%)
8.112 Fracture of hip, bilateral	3 (100.0%)	0 (0.0%)	0 (0.0%)	0	3 (100.0%)
8.12 Fracture of shaft of femur	8 (100.0%)	0 (0.0%)	0 (0.0%)	0	8 (100.0%)
8.13 Fracture of pelvis	7 (100.0%)	0 (0.0%)	0 (0.0%)	0	7 (100.0%)
8.141 Fracture of knee	5 (71.4%)	2 (28.6%)	0 (0.0%)	0	7 (100.0%)
8.142 Fracture of leg, ankle, foot	12 (100.0%)	0 (0.0%)	0 (0.0%)	0	12 (100.0%)
8.15 Fracture of upper limb	4 (80.0%)	1 (20.0%)	0 (0.0%)	0	5 (100.0%)
8.16 Fracture of spine	7 (100.0%)	0 (0.0%)	0 (0.0%)	0	7 (100.0%)
8.17 Fracture of multiple sites	8 (100.0%)	0 (0.0%)	0 (0.0%)	0	8 (100.0%)
8.19 Other orthopaedic fracture	8 (100.0%)	0 (0.0%)	0 (0.0%)	1	9 (100.0%)
<b>All Orthopaedic fractures</b>	<b>92 (93.9%)</b>	<b>6 (6.1%)</b>	<b>0 (0.0%)</b>	<b>2</b>	<b>100 (100.0%)</b>

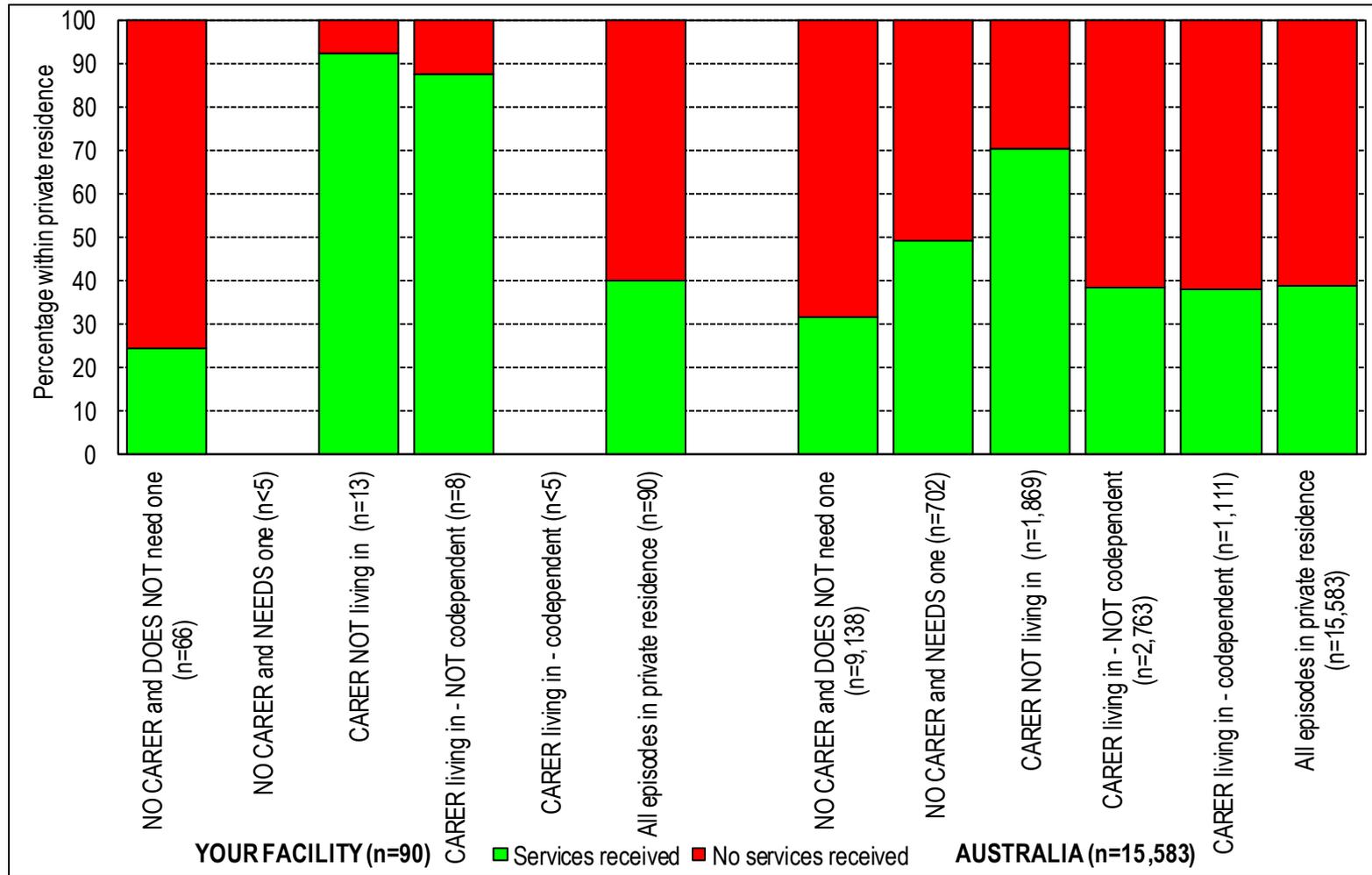
AUSTRALIA — N (%)					
Impairment	Private residence	Residential Aged			All episodes
		Care	Other	Unknown	
8.111 Fracture of hip, unilateral	6,236 (90.9%)	540 (7.9%)	82 (1.2%)	77	6,935 (100.0%)
8.112 Fracture of hip, bilateral	125 (89.3%)	11 (7.9%)	4 (2.9%)	5	145 (100.0%)
8.12 Fracture of shaft of femur	692 (92.8%)	41 (5.5%)	13 (1.7%)	11	757 (100.0%)
8.13 Fracture of pelvis	1,592 (92.7%)	112 (6.5%)	13 (0.8%)	22	1,739 (100.0%)
8.141 Fracture of knee	547 (93.8%)	19 (3.3%)	17 (2.9%)	13	596 (100.0%)
8.142 Fracture of leg, ankle, foot	1,471 (95.9%)	32 (2.1%)	31 (2.0%)	34	1,568 (100.0%)
8.15 Fracture of upper limb	1,491 (94.8%)	72 (4.6%)	10 (0.6%)	41	1,614 (100.0%)
8.16 Fracture of spine	1,343 (94.9%)	62 (4.4%)	10 (0.7%)	39	1,454 (100.0%)
8.17 Fracture of multiple sites	1,766 (96.1%)	50 (2.7%)	21 (1.1%)	48	1,885 (100.0%)
8.19 Other orthopaedic fracture	1,088 (94.4%)	58 (5.0%)	6 (0.5%)	16	1,168 (100.0%)
<b>All Orthopaedic fractures</b>	<b>16,351 (93.1%)</b>	<b>997 (5.7%)</b>	<b>207 (1.2%)</b>	<b>306</b>	<b>17,861 (100.0%)</b>

# 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

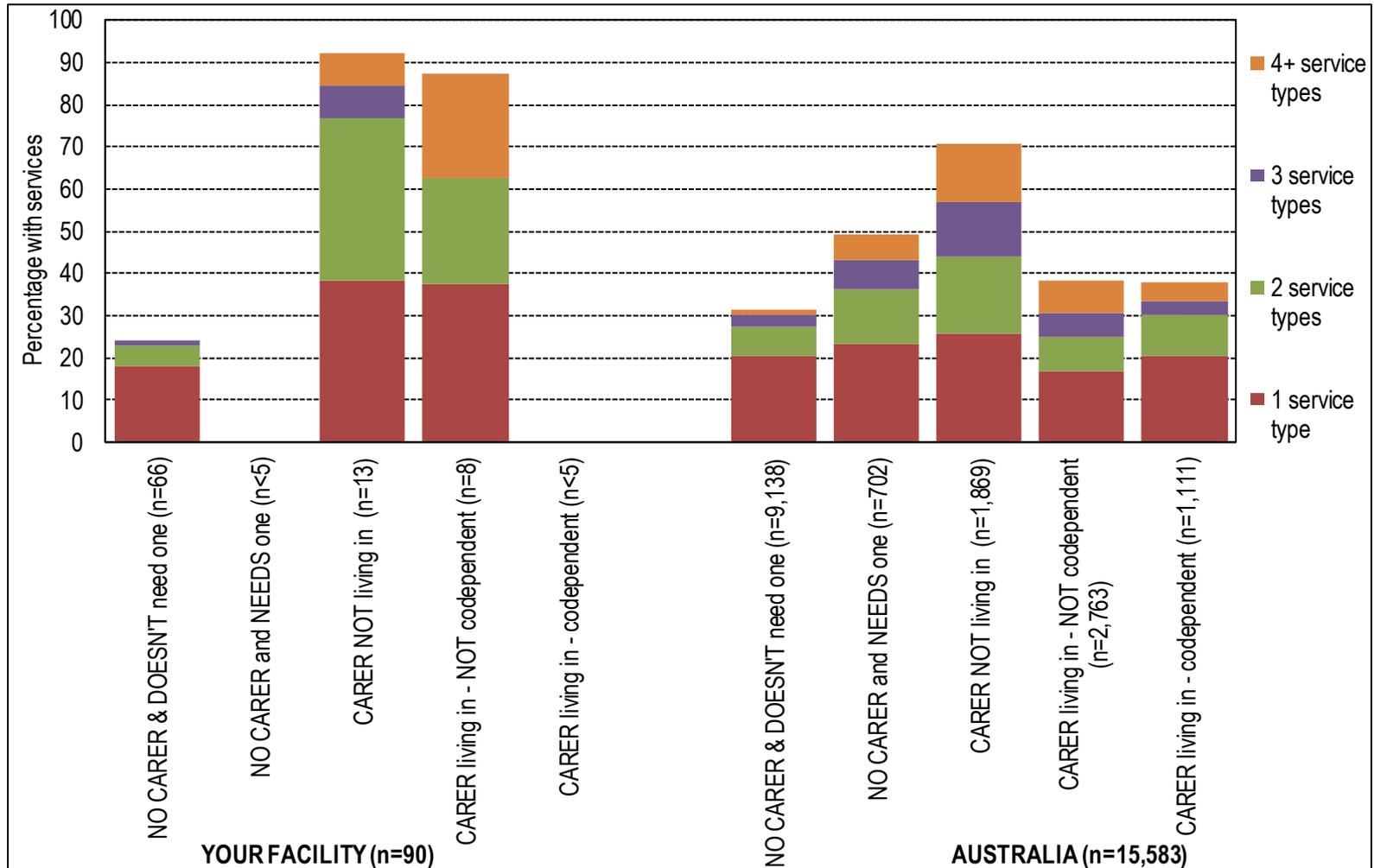
# Carer status and any services received prior to impairment

Carer status prior to this impairment	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
NO CARER and DOES NOT need one	66	73.3	9,138	58.6
NO CARER and NEEDS one	1	1.1	702	4.5
CARER NOT living in	13	14.4	1,869	12.0
CARER living in - NOT codependent	8	8.9	2,763	17.7
CARER living in - codependent	2	2.2	1,111	7.1
Missing	10		2,220	
<b>All episodes in private residence</b>	<b>100</b>	<b>100.0</b>	<b>17,803</b>	<b>100.0</b>

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	24.2	75.8	31.5	68.5
NO CARER and NEEDS one	0.0	100.0	49.3	50.7
CARER NOT living in	92.3	7.7	70.5	29.5
CARER living in - NOT codependent	87.5	12.5	38.4	61.6
CARER living in - codependent	50.0	50.0	38.1	61.9
<b>All episodes in private residence</b>	<b>40.0</b>	<b>60.0</b>	<b>38.7</b>	<b>61.3</b>

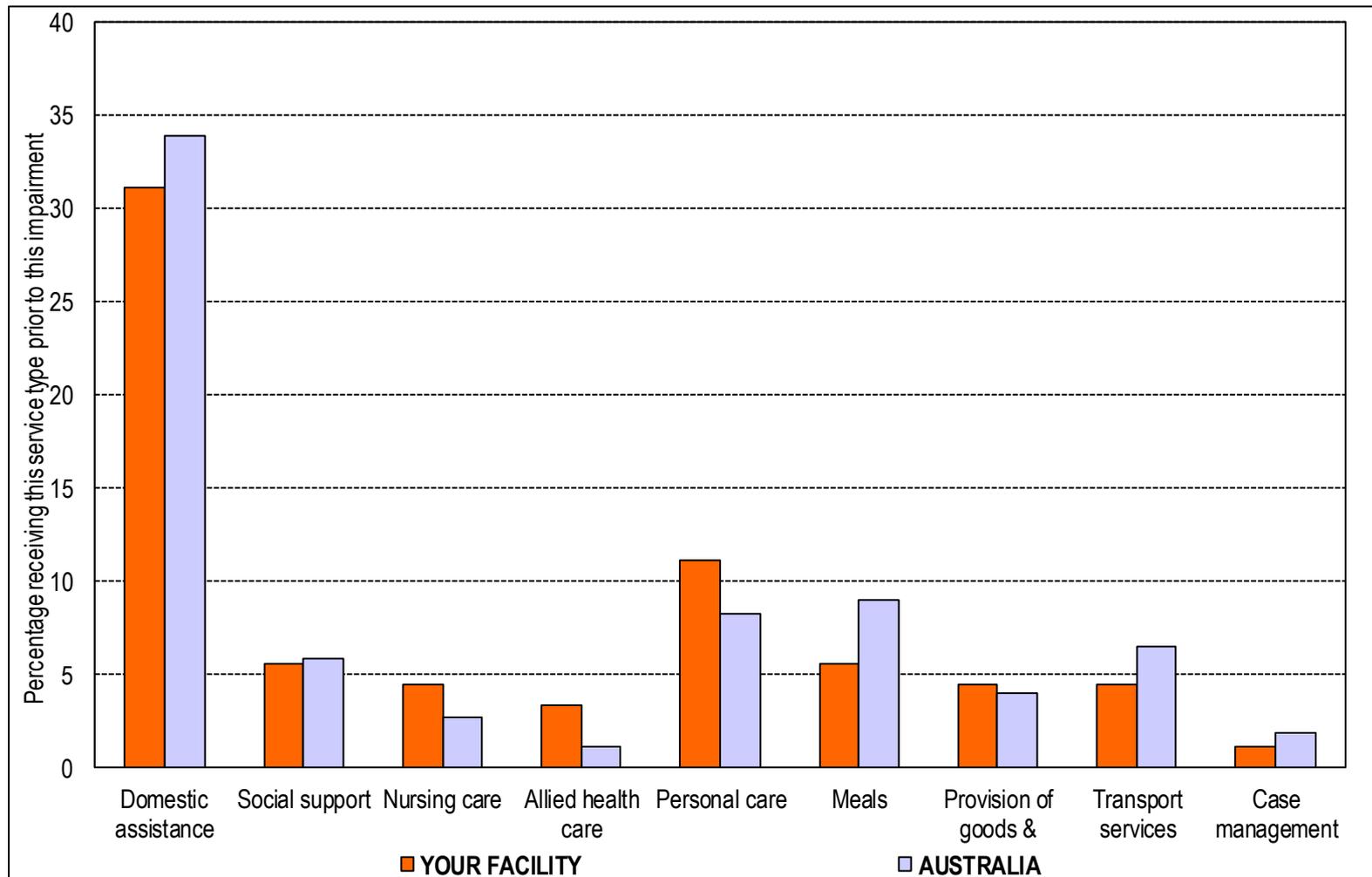
NOTE: Includes only those episodes coming from private residence and with known carer status

# Number of services received prior to impairment



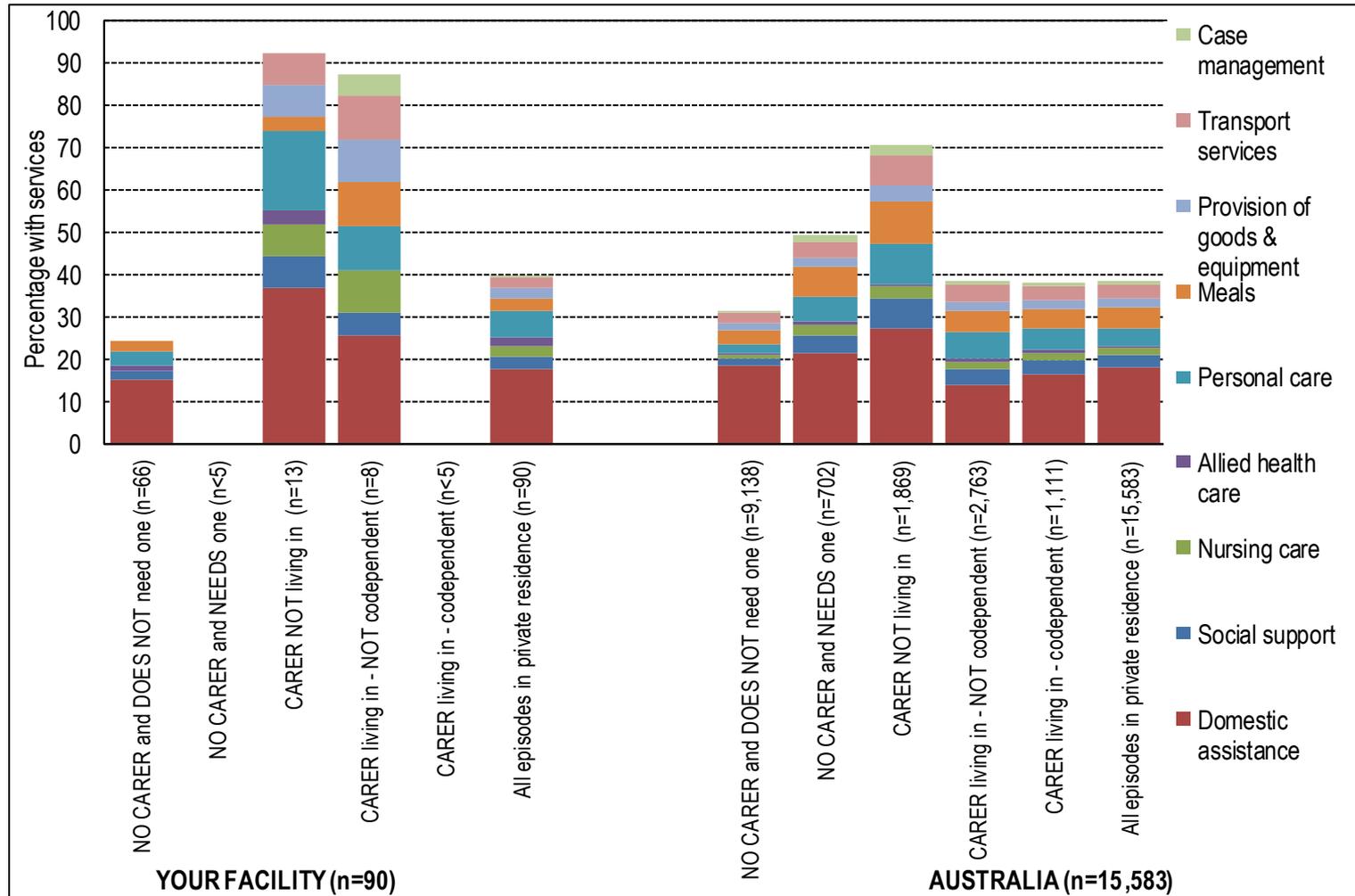
NOTE: Includes only those episodes coming from private residence and with known carer status

# 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	66	1	13	8	2	<b>90</b>
<b>Percent of episodes receiving:</b>						
No services	75.8	100.0	7.7	12.5	50.0	<b>60.0</b>
1 service type	18.2	0.0	38.5	37.5	50.0	<b>23.3</b>
2 service types	4.5	0.0	38.5	25.0	0.0	<b>11.1</b>
3 service types	1.5	0.0	7.7	0.0	0.0	<b>2.2</b>
4 or more service types	0.0	0.0	7.7	25.0	0.0	<b>3.3</b>
<b>Service Type received</b>						
Domestic assistance	19.7	0.0	76.9	62.5	0.0	<b>31.1</b>
Social support	3.0	0.0	15.4	12.5	0.0	<b>5.6</b>
Nursing care	0.0	0.0	15.4	25.0	0.0	<b>4.4</b>
Allied health care	1.5	0.0	7.7	0.0	50.0	<b>3.3</b>
Personal care	4.5	0.0	38.5	25.0	0.0	<b>11.1</b>
Meals	3.0	0.0	7.7	25.0	0.0	<b>5.6</b>
Provision of goods & equipment	0.0	0.0	15.4	25.0	0.0	<b>4.4</b>
Transport services	0.0	0.0	15.4	25.0	0.0	<b>4.4</b>
Case management	0.0	0.0	0.0	12.5	0.0	<b>1.1</b>

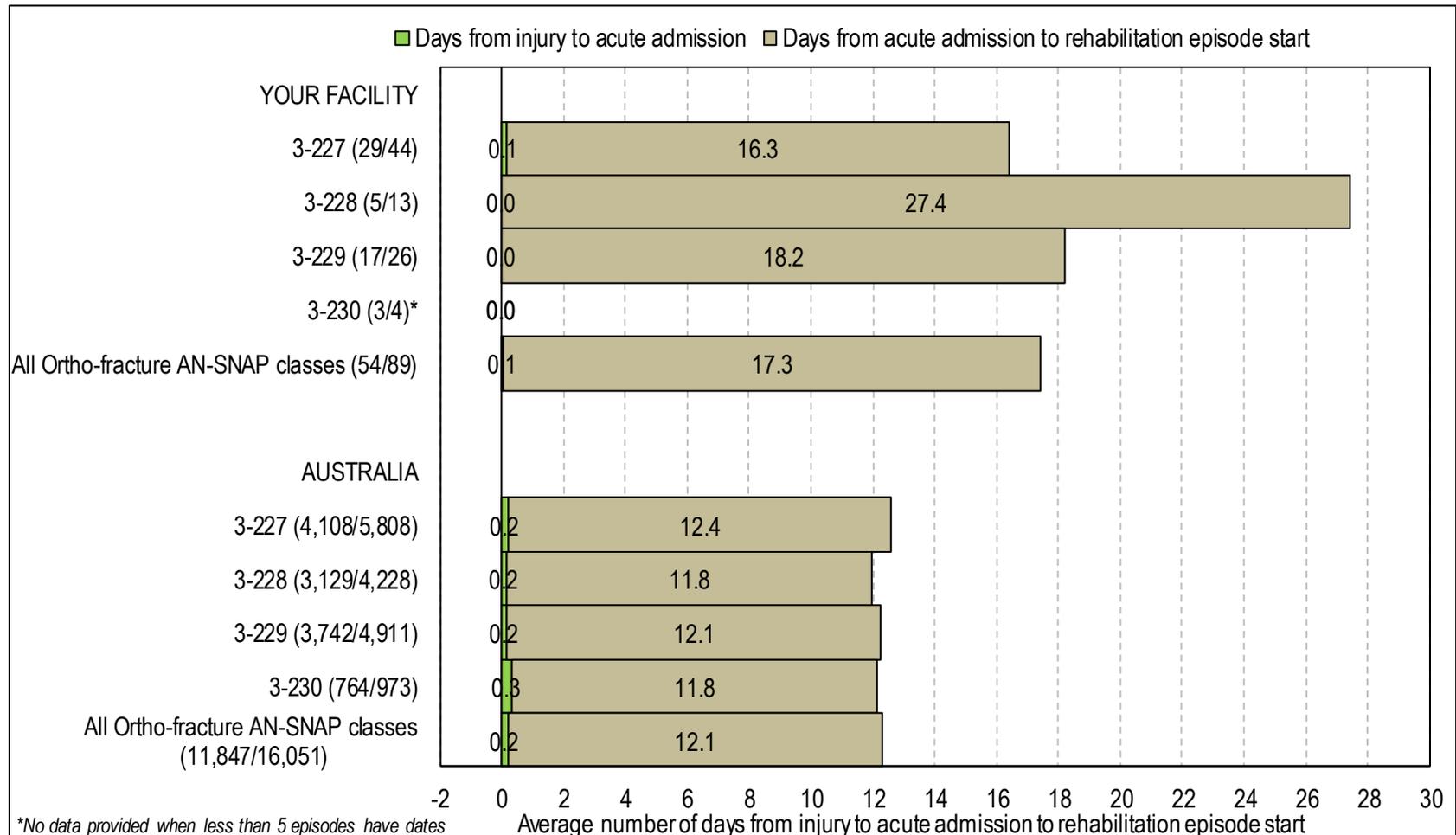
NOTE: Includes only those episodes coming from private residence and with known carer status

# 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	9,138	702	1,869	2,763	1,111	<b>15,583</b>
<b>Percent of episodes receiving:</b>						
No services	68.5	50.7	29.5	61.6	61.9	<b>61.3</b>
1 service type	20.3	23.4	25.8	16.6	20.6	<b>20.5</b>
2 service types	6.9	13.0	18.1	8.2	9.5	<b>9.0</b>
3 service types	2.9	6.7	12.9	5.7	3.4	<b>4.8</b>
4 or more service types	1.4	6.3	13.8	7.9	4.6	<b>4.5</b>
<b>Service Type received</b>						
Domestic assistance	28.3	42.3	63.2	31.7	30.7	<b>33.9</b>
Social support	2.5	8.5	17.0	8.4	6.2	<b>5.8</b>
Nursing care	1.6	4.8	6.0	3.6	3.0	<b>2.7</b>
Allied health care	0.7	1.6	1.8	1.6	1.5	<b>1.1</b>
Personal care	3.4	12.1	21.8	14.0	8.8	<b>8.3</b>
Meals	4.8	13.7	23.2	11.8	9.0	<b>9.0</b>
Provision of goods & equipment	2.8	4.3	9.1	4.3	3.7	<b>4.0</b>
Transport services	3.6	7.5	16.1	9.3	6.0	<b>6.4</b>
Case management	1.0	2.8	5.7	2.0	1.4	<b>1.8</b>

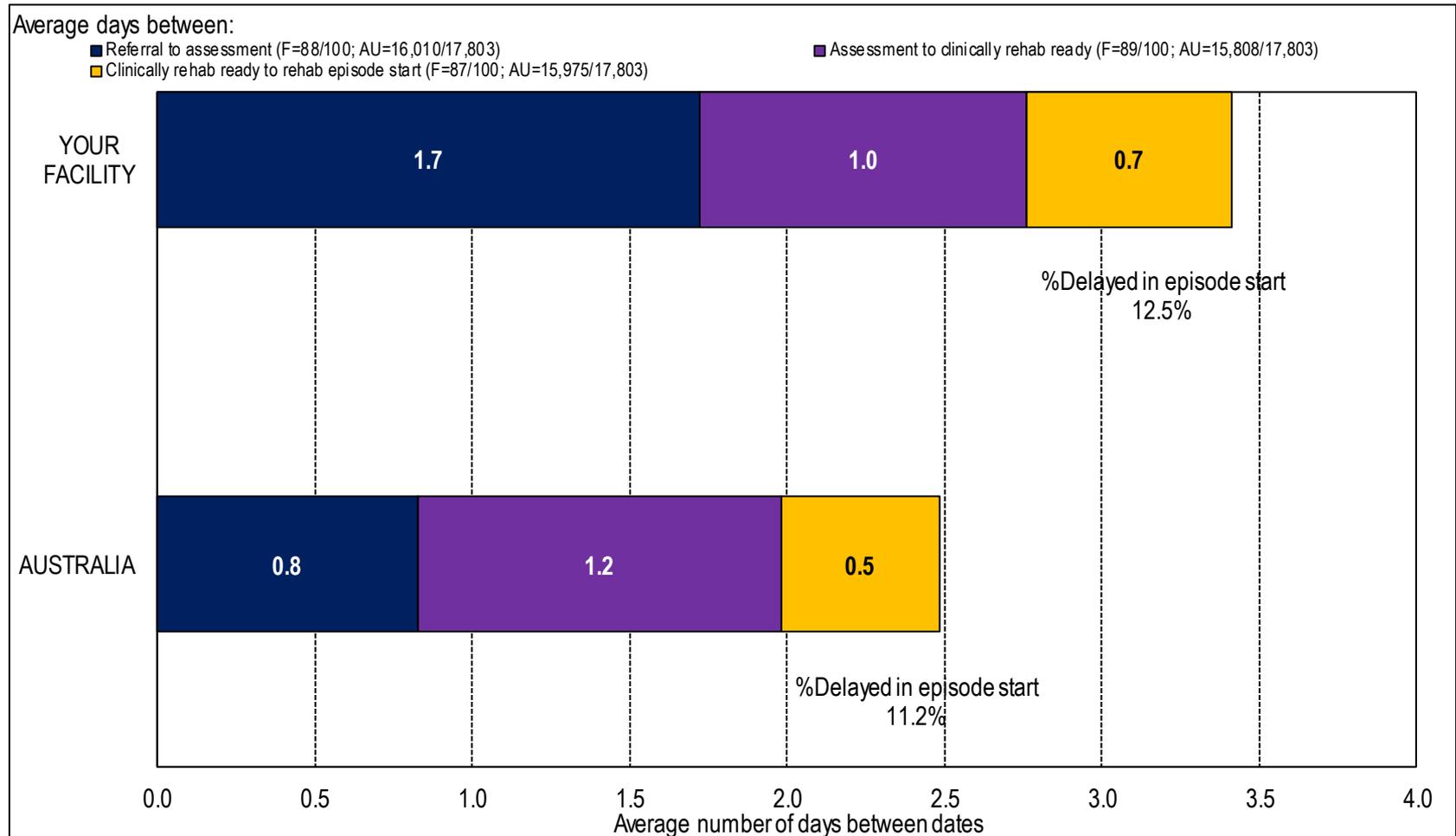
NOTE: Includes only those episodes coming from private residence and with known carer status

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

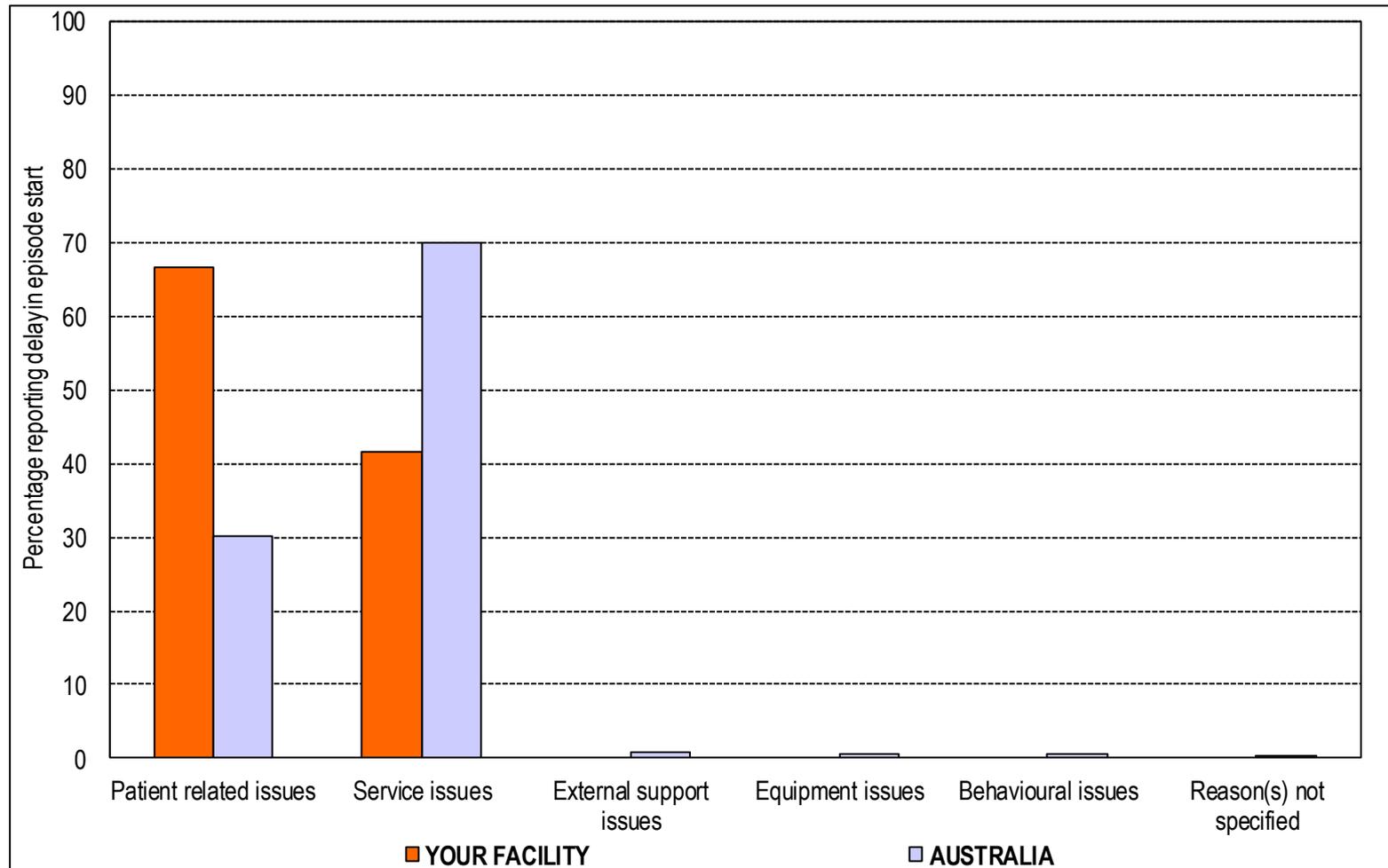


NOTE: Includes first admissions only

# Days from referral to rehabilitation episode start



# Type of delay in episode start

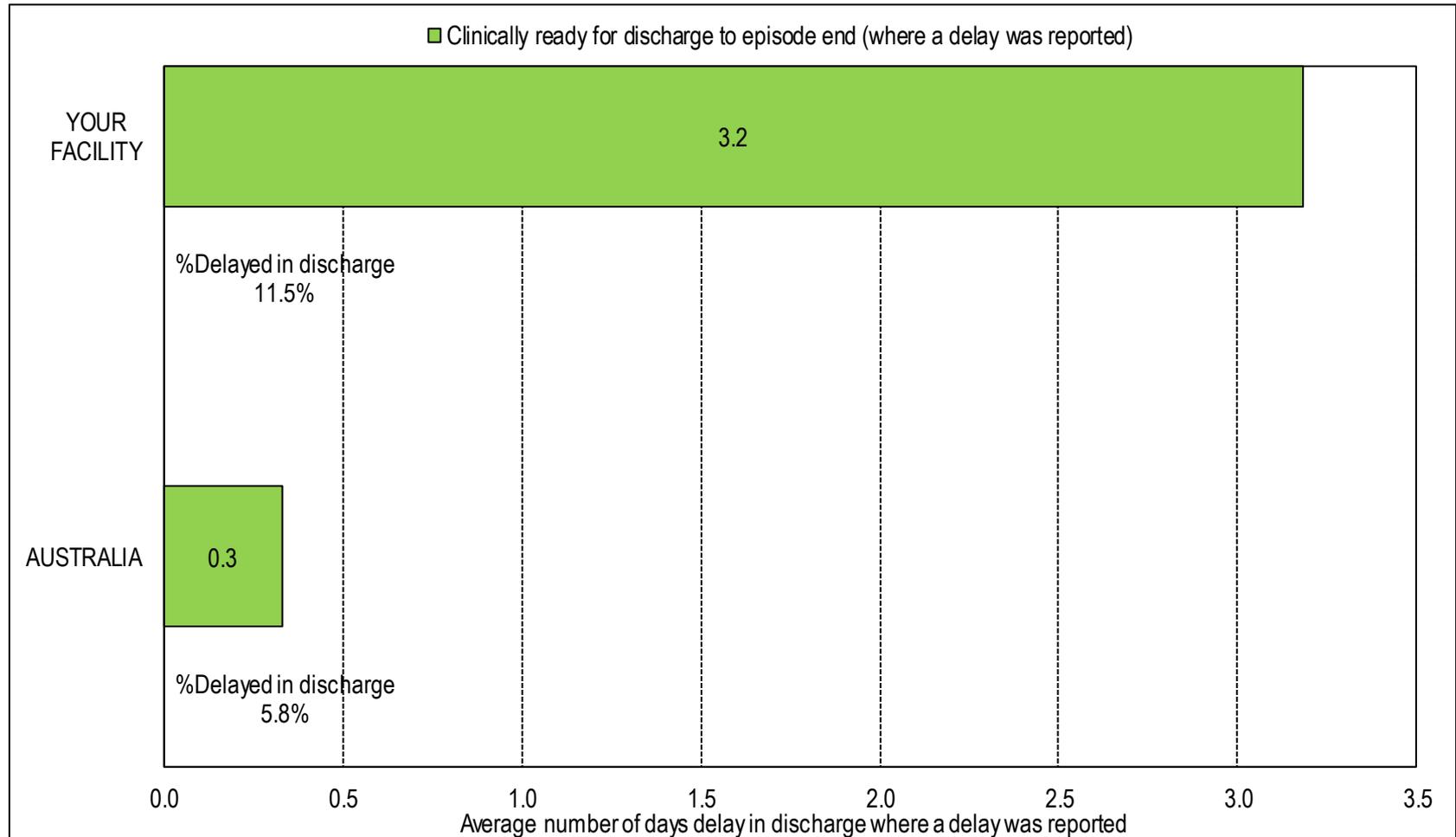


# Delays in episode start

Delay in episode start	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
No delay	84	87.5	15,075	88.8
Delay in episode start	12	12.5	1,910	11.2
Missing	4		818	
<b>All episodes in private residence</b>	<b>100</b>	<b>100.0</b>	<b>17,803</b>	<b>100.0</b>

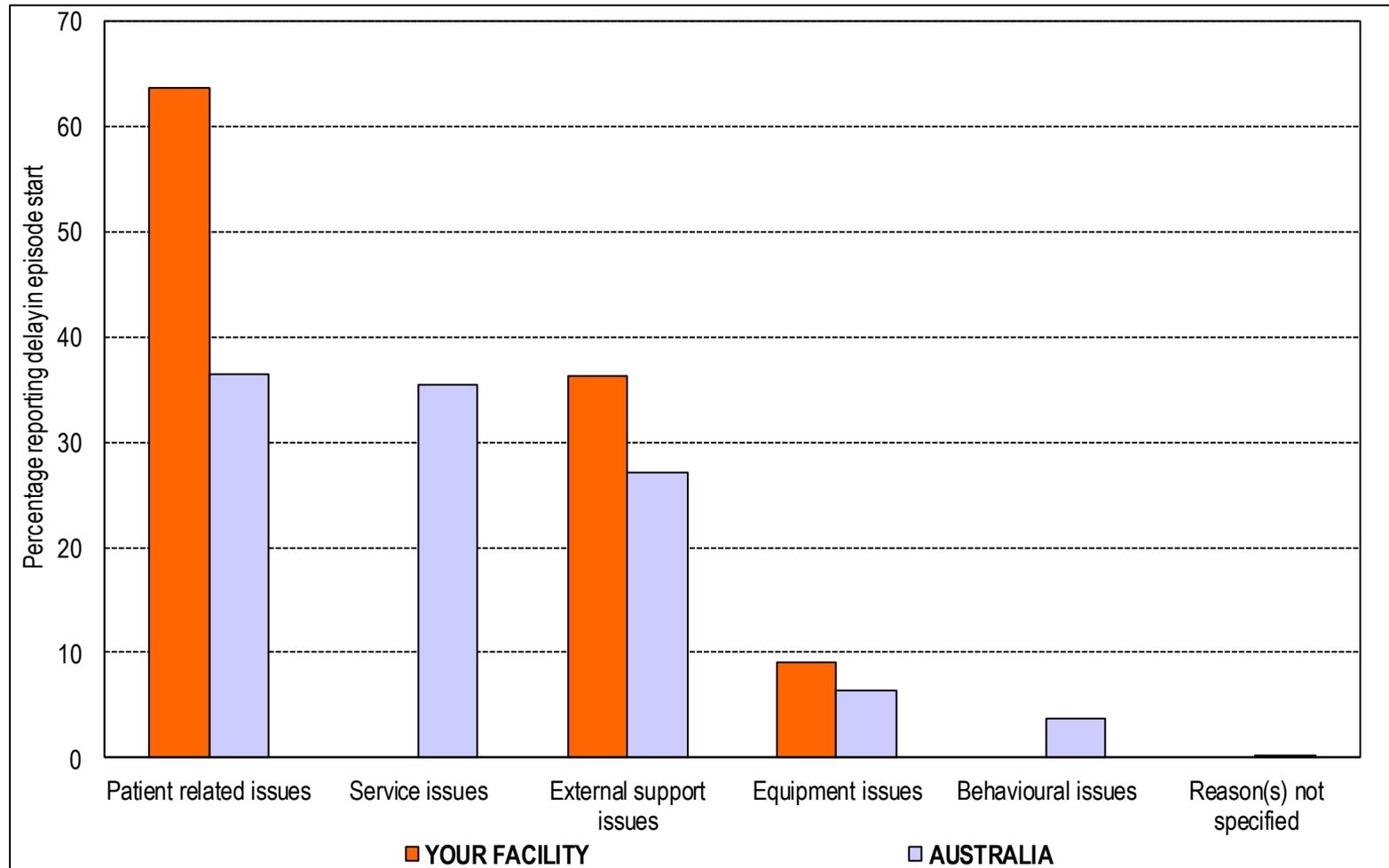
Reasons for delay in episode start	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
Patient related issues	8	66.7	577	30.2
Service issues	5	41.7	1,335	69.9
External support issues	0	0.0	17	0.9
Equipment issues	0	0.0	12	0.6
Behavioural issues	0	0.0	12	0.6
Reason(s) not specified	0	0.0	5	0.3

# Days from clinically ready to discharge



NOTE: Includes completed episodes only

# Type of delay in episode end



NOTE: Includes completed episodes only

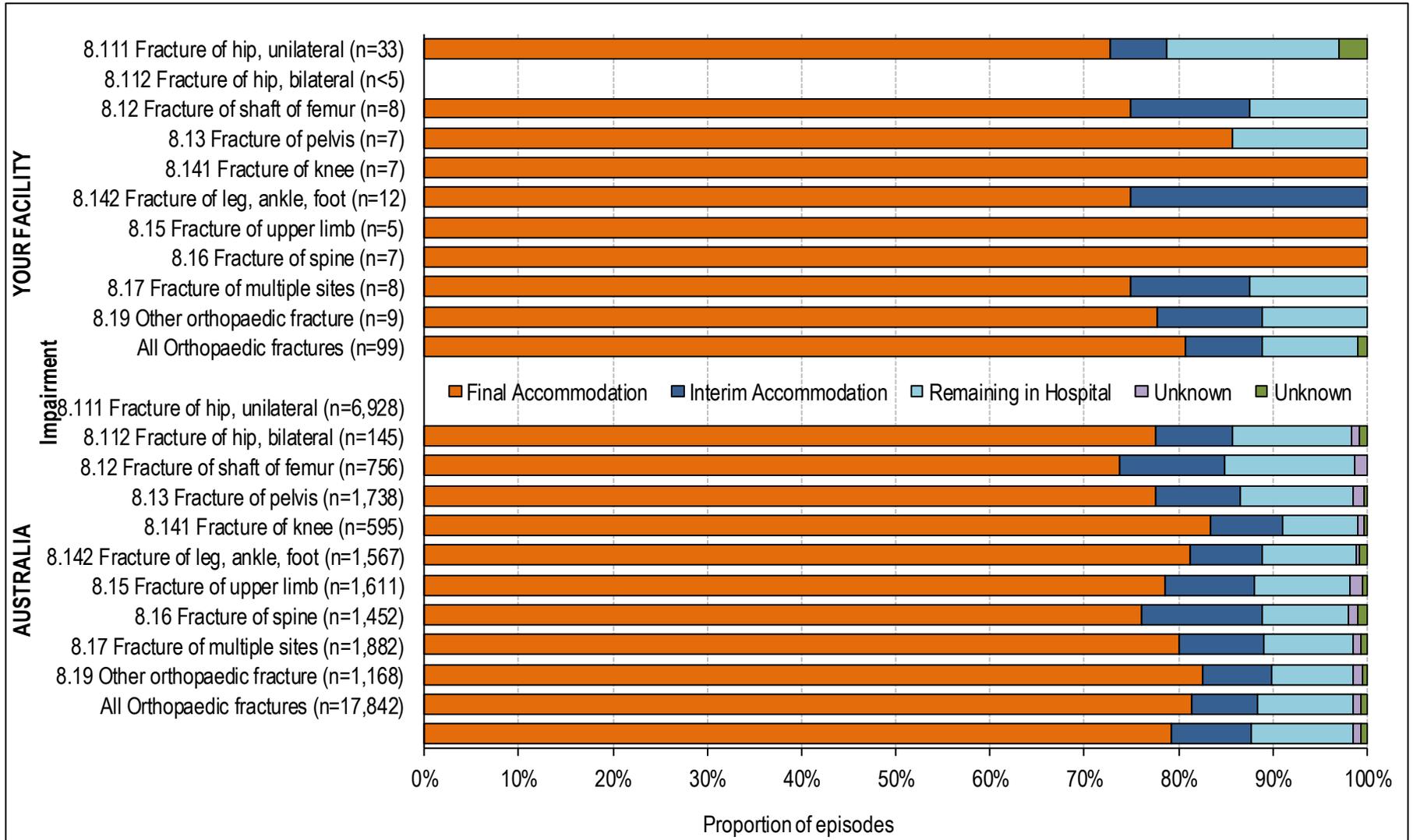
# Delays in episode end

Delay in discharge	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
No delay	85	88.5	15,734	94.2
Delay in discharge	11	11.5	973	5.8
Missing	4		1,096	
<b>All episodes</b>	<b>100</b>	<b>100.0</b>	<b>17,803</b>	<b>100.0</b>

Reasons for delay in discharge	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
Patient related issues	7	63.6	354	36.4
Service issues	0	0.0	345	35.5
External support issues	4	36.4	264	27.1
Equipment issues	1	9.1	63	6.5
Behavioural issues	0	0.0	37	3.8
Reason(s) not specified	0	0.0	3	0.3

NOTE: Includes completed episodes only

# Mode of episode end by impairment code

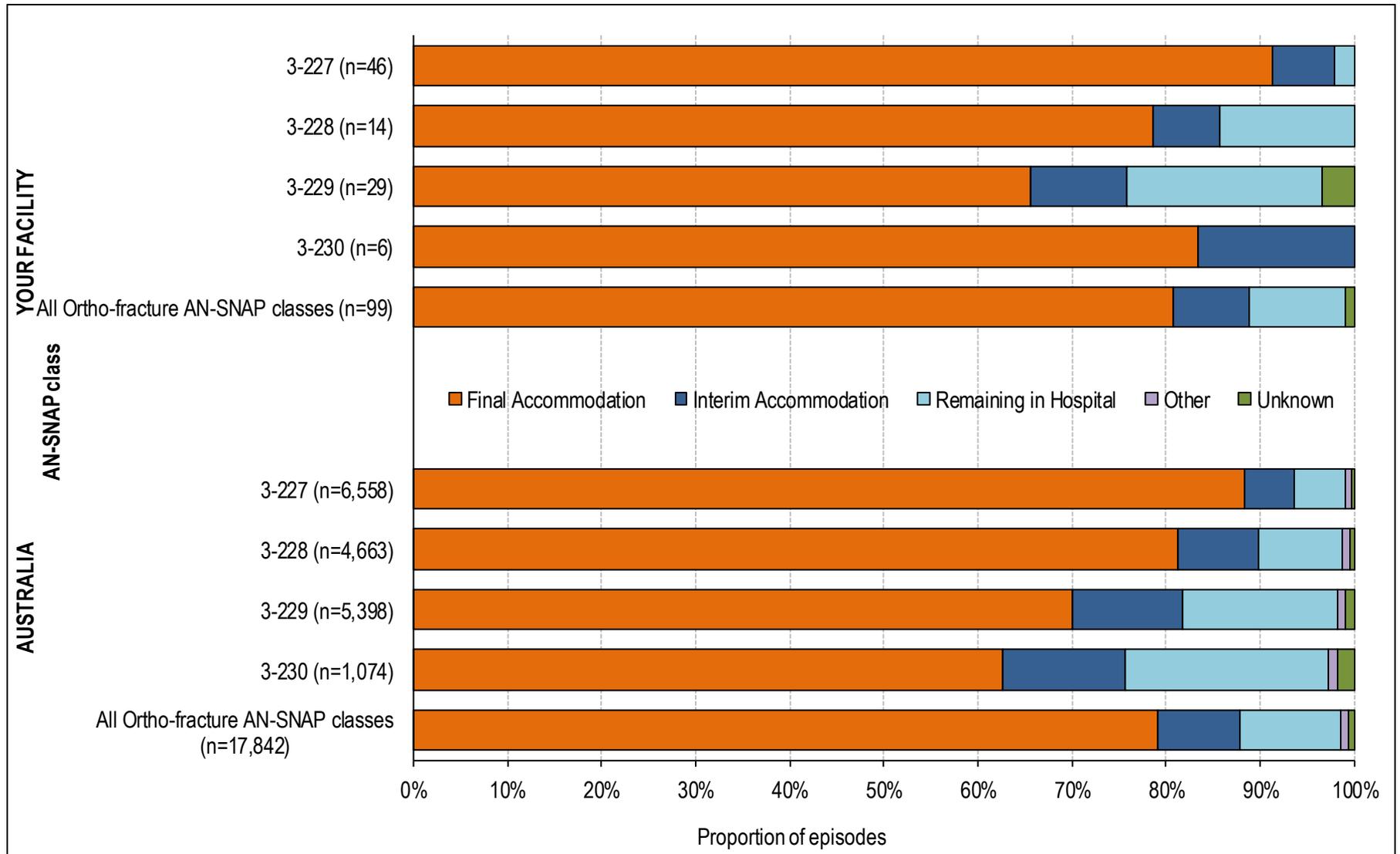


# Mode of episode end by impairment code

Impairment	YOUR FACILITY					AUSTRALIA				
	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown
8.111 Fracture of hip, unilateral	24	2	6	0	1	5,377	562	880	57	52
8.112 Fracture of hip, bilateral	3	0	0	0	0	107	16	20	2	0
8.12 Fracture of shaft of femur	6	1	1	0	0	587	67	91	9	2
8.13 Fracture of pelvis	6	0	1	0	0	1,450	133	139	11	5
8.141 Fracture of knee	7	0	0	0	0	483	46	59	2	5
8.142 Fracture of leg, ankle, foot	9	3	0	0	0	1,231	150	159	19	8
8.15 Fracture of upper limb	5	0	0	0	0	1,225	206	149	14	17
8.16 Fracture of spine	7	0	0	0	0	1,162	132	137	12	9
8.17 Fracture of multiple sites	6	1	1	0	0	1,553	139	163	19	8
8.19 Other orthopaedic fracture	7	1	1	0	0	950	82	118	10	8
<b>All Orthopaedic fractures</b>	<b>80</b>	<b>8</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>14,125</b>	<b>1,533</b>	<b>1,915</b>	<b>155</b>	<b>114</b>

Impairment	YOUR FACILITY					AUSTRALIA				
	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown
8.111 Fracture of hip, unilateral	72.7	6.1	18.2	0.0	3.0	77.6	8.1	12.7	0.8	0.8
8.112 Fracture of hip, bilateral	—	—	—	—	—	73.8	11.0	13.8	1.4	0.0
8.12 Fracture of shaft of femur	75.0	12.5	12.5	0.0	0.0	77.6	8.9	12.0	1.2	0.3
8.13 Fracture of pelvis	85.7	0.0	14.3	0.0	0.0	83.4	7.7	8.0	0.6	0.3
8.141 Fracture of knee	100.0	0.0	0.0	0.0	0.0	81.2	7.7	9.9	0.3	0.8
8.142 Fracture of leg, ankle, foot	75.0	25.0	0.0	0.0	0.0	78.6	9.6	10.1	1.2	0.5
8.15 Fracture of upper limb	100.0	0.0	0.0	0.0	0.0	76.0	12.8	9.2	0.9	1.1
8.16 Fracture of spine	100.0	0.0	0.0	0.0	0.0	80.0	9.1	9.4	0.8	0.6
8.17 Fracture of multiple sites	75.0	12.5	12.5	0.0	0.0	82.5	7.4	8.7	1.0	0.4
8.19 Other orthopaedic fracture	77.8	11.1	11.1	0.0	0.0	81.3	7.0	10.1	0.9	0.7
<b>All Orthopaedic fractures</b>	<b>80.8</b>	<b>8.1</b>	<b>10.1</b>	<b>0.0</b>	<b>1.0</b>	<b>79.2</b>	<b>8.6</b>	<b>10.7</b>	<b>0.9</b>	<b>0.6</b>

# Mode of episode end by AN-SNAP class



# Mode of episode end by AN-SNAP class

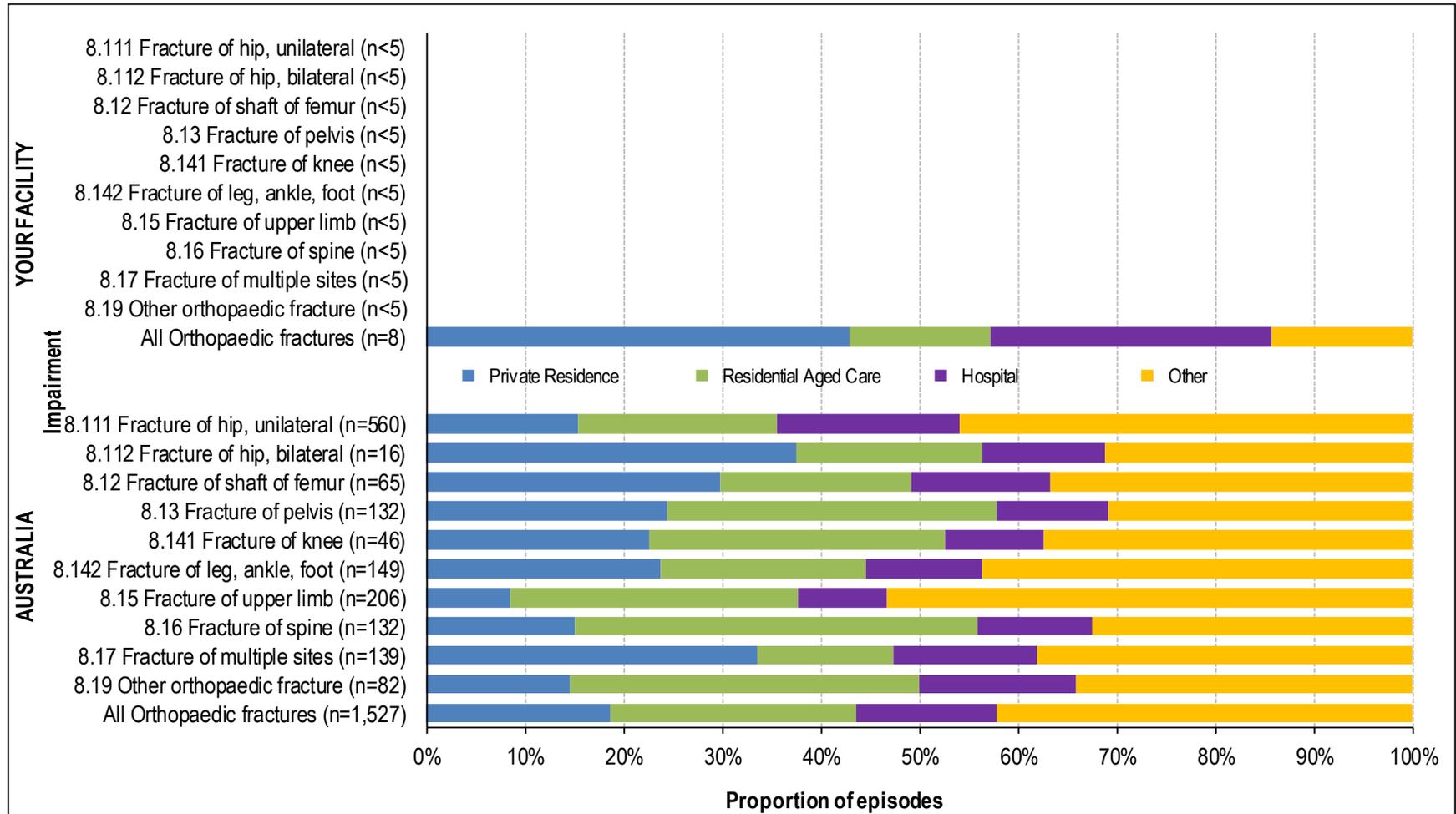
AN-SNAP class	YOUR FACILITY					AUSTRALIA				
	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown
3-227 (motor 58-91)	42	3	1	0	0	5,795	346	353	48	16
3-228 (motor 48-57)	11	1	2	0	0	3,788	400	414	36	25
3-229 (motor 14-47, cognition 19-35)	19	3	6	0	1	3,785	631	881	49	52
3-230 (motor 14-47, cognition 5-18)	5	1	0	0	0	673	139	232	11	19
<b>All Ortho-fracture AN-SNAP classes</b>	<b>80</b>	<b>8</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>14,125</b>	<b>1,533</b>	<b>1,915</b>	<b>155</b>	<b>114</b>

AN-SNAP class	YOUR FACILITY					AUSTRALIA				
	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown	Final Accom	Interim Accom	Remaining in Hospital	Other	Unknown
3-227 (motor 58-91)	91.3	6.5	2.2	0.0	0.0	88.4	5.3	5.4	0.7	0.2
3-228 (motor 48-57)	78.6	7.1	14.3	0.0	0.0	81.2	8.6	8.9	0.8	0.5
3-229 (motor 14-47, cognition 19-35)	65.5	10.3	20.7	0.0	3.4	70.1	11.7	16.3	0.9	1.0
3-230 (motor 14-47, cognition 5-18)	83.3	16.7	0.0	0.0	0.0	62.7	12.9	21.6	1.0	1.8
<b>All Ortho-fracture AN-SNAP classes</b>	<b>80.8</b>	<b>8.1</b>	<b>10.1</b>	<b>0.0</b>	<b>1.0</b>	<b>79.2</b>	<b>8.6</b>	<b>10.7</b>	<b>0.9</b>	<b>0.6</b>

# 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

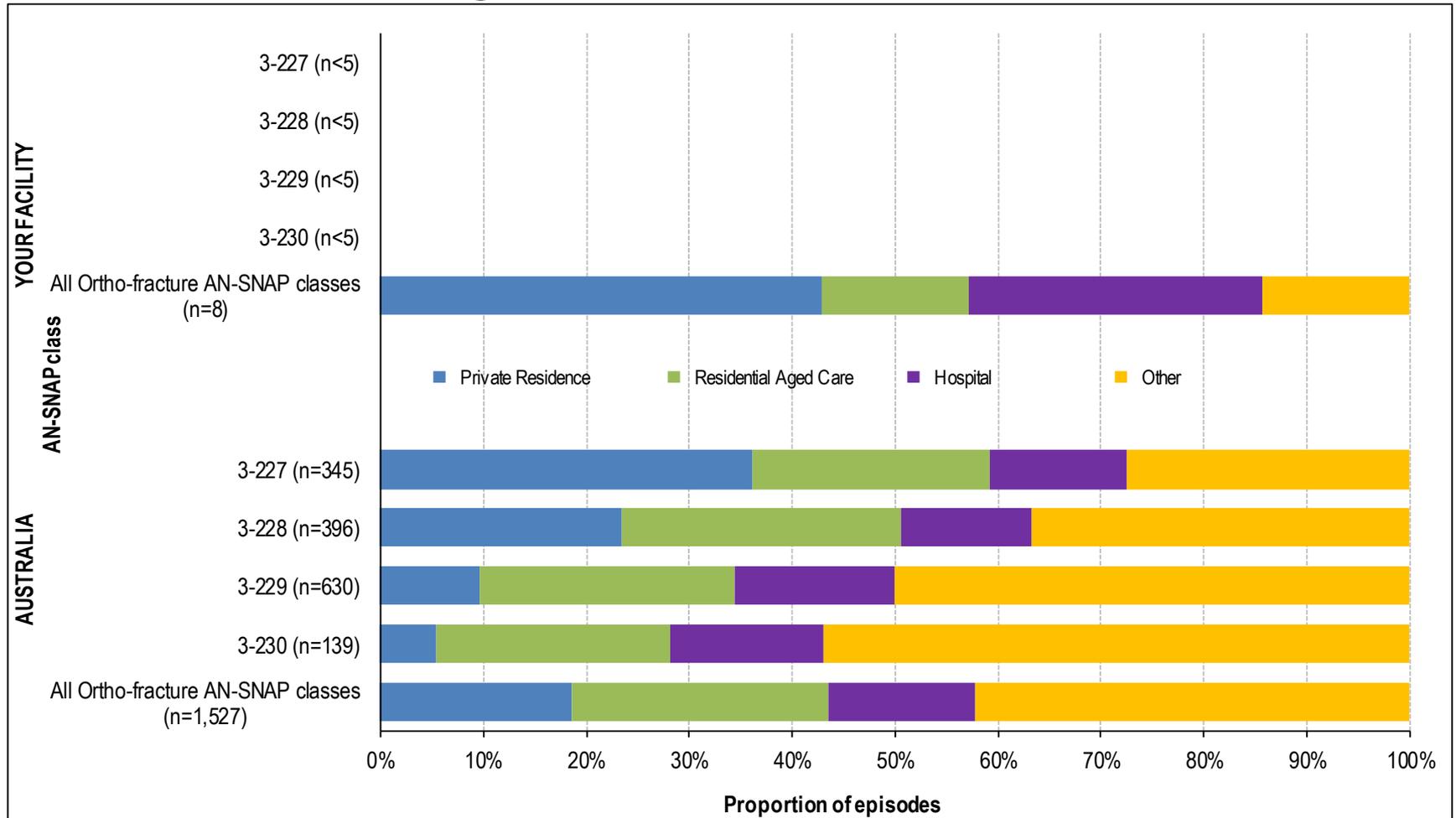
# Interim accommodation post discharge by impairment

Impairment	YOUR FACILITY — N (%)					
	Private residence	Residential Aged		Hospital	Other	All episodes**
		Care				
8.111 Fracture of hip, unilateral	1 (50.0%)	1 (50.0%)	0 (0.0%)	0 (0.0%)	2 (100.0%)	
8.112 Fracture of hip, bilateral	0 —	0 —	0 —	0 —	0 —	
8.12 Fracture of shaft of femur	0 (0.0%)	0 (0.0%)	1 (100.0%)	0 (0.0%)	1 (100.0%)	
8.13 Fracture of pelvis	0 —	0 —	0 —	0 —	0 —	
8.141 Fracture of knee	0 —	0 —	0 —	0 —	0 —	
8.142 Fracture of leg, ankle, foot	0 (0.0%)	0 (0.0%)	1 (33.3%)	1 (33.3%)	3 (100.0%)	
8.15 Fracture of upper limb	0 —	0 —	0 —	0 —	0 —	
8.16 Fracture of spine	0 —	0 —	0 —	0 —	0 —	
8.17 Fracture of multiple sites	1 (100.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (100.0%)	
8.19 Other orthopaedic fracture	1 (100.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (100.0%)	
<b>All Orthopaedic fractures</b>	<b>3 (42.9%)</b>	<b>1 (14.3%)</b>	<b>2 (28.6%)</b>	<b>1 (14.3%)</b>	<b>8 (100.0%)</b>	

Impairment	AUSTRALIA — N (%)					
	Private residence	Residential Aged		Hospital	Other	All episodes**
		Care				
8.111 Fracture of hip, unilateral	79 (14.5%)	104 (19.1%)	95 (17.5%)	237 (43.6%)	560 (100.0%)	
8.112 Fracture of hip, bilateral	6 (37.5%)	3 (18.8%)	2 (12.5%)	5 (31.3%)	16 (100.0%)	
8.12 Fracture of shaft of femur	17 (27.4%)	11 (17.7%)	8 (12.9%)	21 (33.9%)	65 (100.0%)	
8.13 Fracture of pelvis	30 (23.1%)	41 (31.5%)	14 (10.8%)	38 (29.2%)	132 (100.0%)	
8.141 Fracture of knee	9 (22.5%)	12 (30.0%)	4 (10.0%)	15 (37.5%)	46 (100.0%)	
8.142 Fracture of leg, ankle, foot	32 (22.4%)	28 (19.6%)	16 (11.2%)	59 (41.3%)	149 (100.0%)	
8.15 Fracture of upper limb	16 (8.1%)	56 (28.4%)	17 (8.6%)	102 (51.8%)	206 (100.0%)	
8.16 Fracture of spine	18 (14.1%)	49 (38.3%)	14 (10.9%)	39 (30.5%)	132 (100.0%)	
8.17 Fracture of multiple sites	44 (32.6%)	18 (13.3%)	19 (14.1%)	50 (37.0%)	139 (100.0%)	
8.19 Other orthopaedic fracture	11 (13.9%)	27 (34.2%)	12 (15.2%)	26 (32.9%)	82 (100.0%)	
<b>All Orthopaedic fractures</b>	<b>262 (18.7%)</b>	<b>349 (24.9%)</b>	<b>201 (14.3%)</b>	<b>592 (42.2%)</b>	<b>1,527 (100.0%)</b>	

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 Care	Hospital	Other	All episodes**
3-227 (motor 58-91)	2 (66.7%)	0 (0.0%)	0 (0.0%)	1 (33.3%)	3 (100.0%)
3-228 (motor 48-57)	1 (100.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (100.0%)
3-229 (motor 14-47, cognition 19-35)	0 (0.0%)	0 (0.0%)	2 (66.7%)	0 (0.0%)	3 (100.0%)
3-230 (motor 14-47, cognition 5-18)	0 (0.0%)	1 (100.0%)	0 (0.0%)	0 (0.0%)	1 (100.0%)
<b>All Ortho-fracture AN-SNAP classes</b>	<b>3 (42.9%)</b>	<b>1 (14.3%)</b>	<b>2 (28.6%)</b>	<b>1 (14.3%)</b>	<b>8 (100.0%)</b>

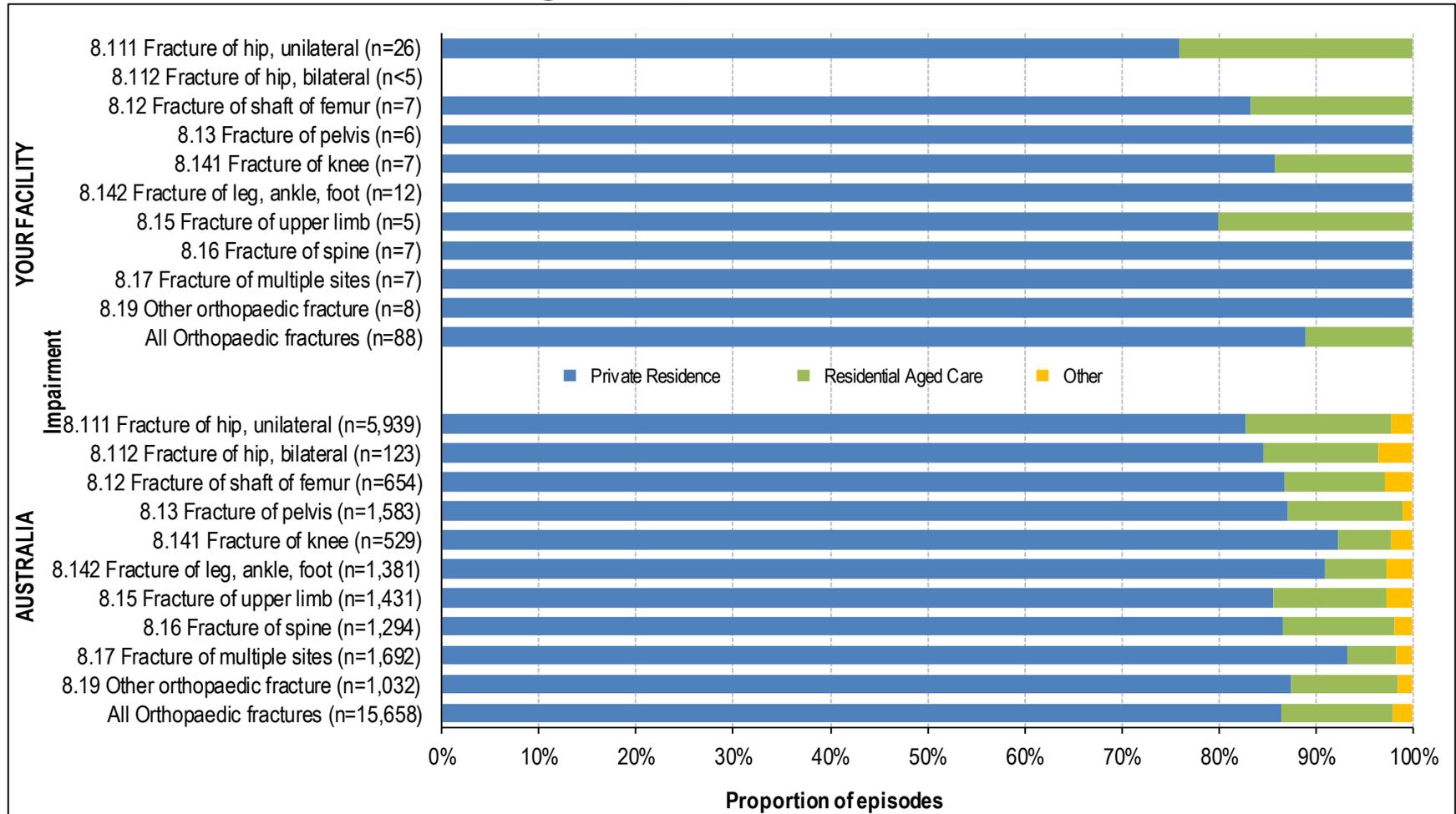
## AUSTRALIA — N (%)

AN-SNAP class	Private residence	Residential Aged Care	Hospital	Other	All episodes**
3-227 (motor 58-91)	114 (35.1%)	73 (22.5%)	42 (12.9%)	87 (26.8%)	345 (100.0%)
3-228 (motor 48-57)	85 (22.2%)	98 (25.6%)	46 (12.0%)	133 (34.7%)	396 (100.0%)
3-229 (motor 14-47, cognition 19-35)	56 (9.1%)	145 (23.6%)	90 (14.7%)	292 (47.6%)	630 (100.0%)
3-230 (motor 14-47, cognition 5-18)	7 (5.1%)	29 (21.3%)	19 (14.0%)	73 (53.7%)	139 (100.0%)
<b>All Ortho-fracture AN-SNAP classes</b>	<b>262 (18.7%)</b>	<b>349 (24.9%)</b>	<b>201 (14.3%)</b>	<b>592 (42.2%)</b>	<b>1,527 (100.0%)</b>

\*\* There was 1 episode in YOUR FACILITY and 123 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

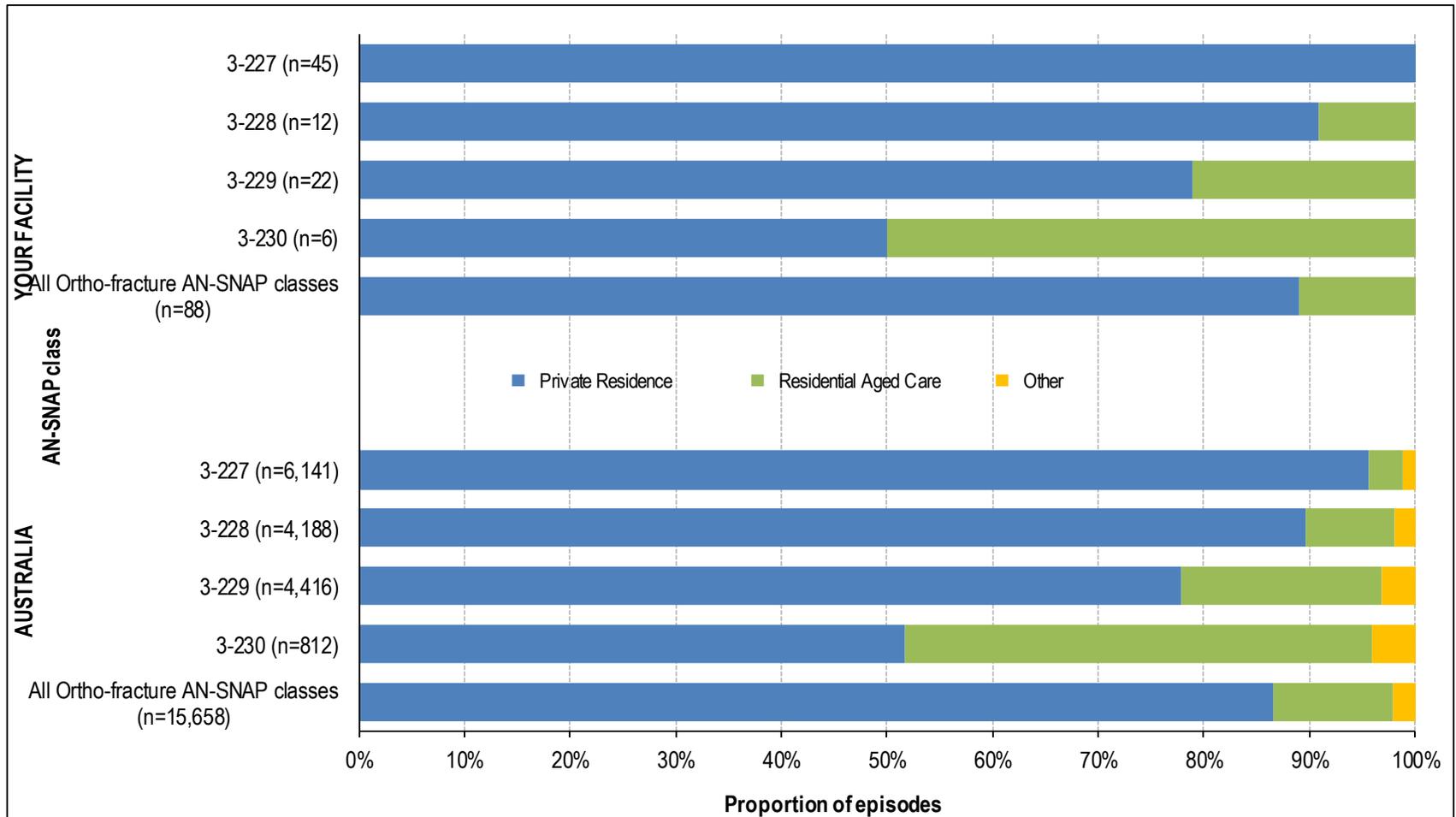
# Final accommodation post discharge by impairment

YOUR FACILITY — N (%)						
Impairment	Residential Aged				Unknown	All episodes
	Private residence	Care	Other	Other		
8.111 Fracture of hip, unilateral	19 (76.0%)	6 (24.0%)	0 (0.0%)	1	26 (100.0%)	
8.112 Fracture of hip, bilateral	3 (100.0%)	0 (0.0%)	0 (0.0%)	0	3 (100.0%)	
8.12 Fracture of shaft of femur	5 (83.3%)	1 (16.7%)	0 (0.0%)	1	7 (100.0%)	
8.13 Fracture of pelvis	6 (100.0%)	0 (0.0%)	0 (0.0%)	0	6 (100.0%)	
8.141 Fracture of knee	6 (85.7%)	1 (14.3%)	0 (0.0%)	0	7 (100.0%)	
8.142 Fracture of leg, ankle, foot	10 (100.0%)	0 (0.0%)	0 (0.0%)	2	12 (100.0%)	
8.15 Fracture of upper limb	4 (80.0%)	1 (20.0%)	0 (0.0%)	0	5 (100.0%)	
8.16 Fracture of spine	7 (100.0%)	0 (0.0%)	0 (0.0%)	0	7 (100.0%)	
8.17 Fracture of multiple sites	6 (100.0%)	0 (0.0%)	0 (0.0%)	1	7 (100.0%)	
8.19 Other orthopaedic fracture	7 (100.0%)	0 (0.0%)	0 (0.0%)	1	8 (100.0%)	
<b>All Orthopaedic fractures</b>	<b>73 (89.0%)</b>	<b>9 (11.0%)</b>	<b>0 (0.0%)</b>	<b>6</b>	<b>88 (100.0%)</b>	

AUSTRALIA — N (%)						
Impairment	Residential Aged				Unknown	All episodes
	Private residence	Care	Other	Other		
8.111 Fracture of hip, unilateral	4,621 (82.8%)	838 (15.0%)	122 (2.2%)	358	5,939 (100.0%)	
8.112 Fracture of hip, bilateral	94 (84.7%)	13 (11.7%)	4 (3.6%)	12	123 (100.0%)	
8.12 Fracture of shaft of femur	546 (86.8%)	65 (10.3%)	18 (2.9%)	25	654 (100.0%)	
8.13 Fracture of pelvis	1,320 (87.2%)	177 (11.7%)	17 (1.1%)	69	1,583 (100.0%)	
8.141 Fracture of knee	463 (92.2%)	28 (5.6%)	11 (2.2%)	27	529 (100.0%)	
8.142 Fracture of leg, ankle, foot	1,198 (91.0%)	83 (6.3%)	36 (2.7%)	64	1,381 (100.0%)	
8.15 Fracture of upper limb	1,130 (85.7%)	152 (11.5%)	37 (2.8%)	112	1,431 (100.0%)	
8.16 Fracture of spine	1,072 (86.6%)	142 (11.5%)	24 (1.9%)	56	1,294 (100.0%)	
8.17 Fracture of multiple sites	1,521 (93.3%)	83 (5.1%)	27 (1.7%)	61	1,692 (100.0%)	
8.19 Other orthopaedic fracture	876 (87.5%)	109 (10.9%)	16 (1.6%)	31	1,032 (100.0%)	
<b>All Orthopaedic fractures</b>	<b>12,841 (86.5%)</b>	<b>1,690 (11.4%)</b>	<b>312 (2.1%)</b>	<b>815</b>	<b>15,658 (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 AN-SNAP class



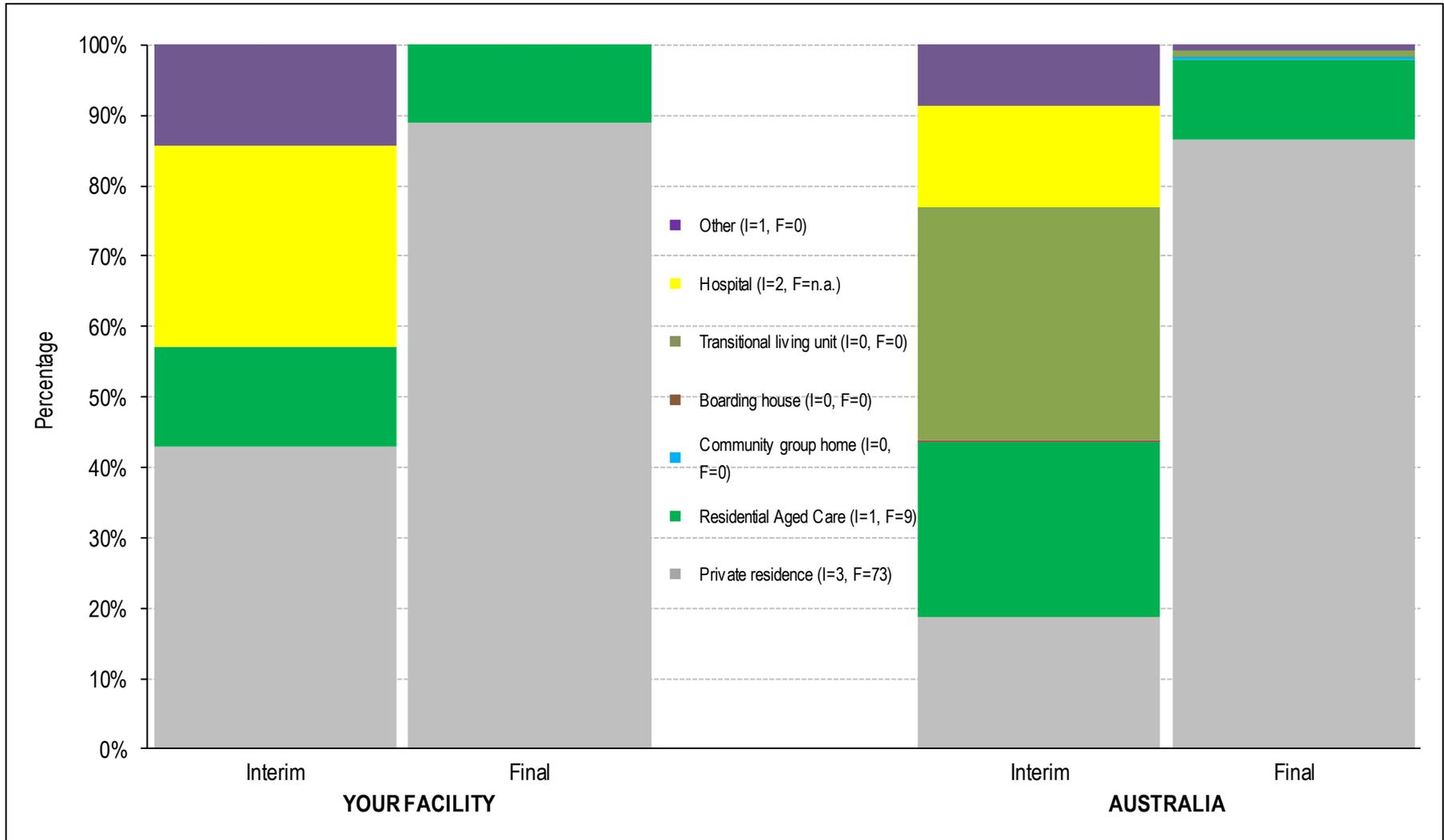
NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

# Final accommodation post discharge by AN-SNAP class

YOUR FACILITY — N (%)					
AN-SNAP class	Private residence	Residential Aged Care	Other	Unknown	All episodes
3-227 (motor 58-91)	43 (100.0%)	0 (0.0%)	0 (0.0%)	2	45 (100.0%)
3-228 (motor 48-57)	10 (90.9%)	1 (9.1%)	0 (0.0%)	1	12 (100.0%)
3-229 (motor 14-47, cognition 19-35)	15 (78.9%)	4 (21.1%)	0 (0.0%)	3	22 (100.0%)
3-230 (motor 14-47, cognition 5-18)	3 (50.0%)	3 (50.0%)	0 (0.0%)	0	6 (100.0%)
<b>All Ortho-fracture AN-SNAP classes</b>	<b>73 (89.0%)</b>	<b>9 (11.0%)</b>	<b>0 (0.0%)</b>	<b>6</b>	<b>88 (100.0%)</b>
AUSTRALIA — N (%)					
AN-SNAP class	Private residence	Residential Aged Care	Other	Unknown	All episodes
3-227 (motor 58-91)	5,685 (95.6%)	196 (3.3%)	67 (1.1%)	193	6,141 (100.0%)
3-228 (motor 48-57)	3,574 (89.6%)	339 (8.5%)	75 (1.9%)	200	4,188 (100.0%)
3-229 (motor 14-47, cognition 19-35)	3,171 (77.8%)	773 (19.0%)	130 (3.2%)	342	4,416 (100.0%)
3-230 (motor 14-47, cognition 5-18)	383 (51.7%)	328 (44.3%)	30 (4.0%)	71	812 (100.0%)
<b>All Ortho-fracture AN-SNAP classes</b>	<b>12,841 (86.5%)</b>	<b>1,690 (11.4%)</b>	<b>312 (2.1%)</b>	<b>815</b>	<b>15,658 (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



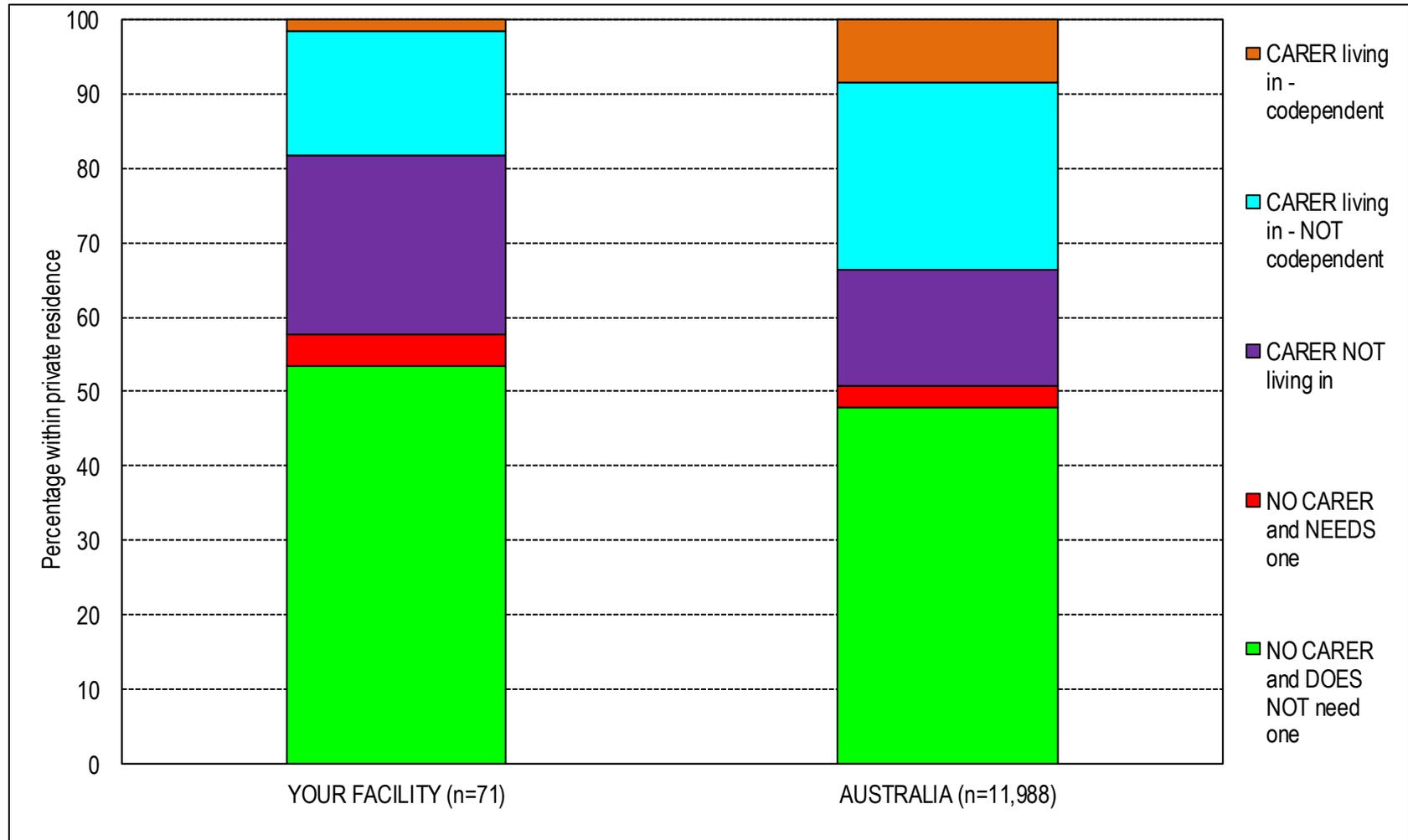
NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

# Interim and final accommodation post discharge

ACCOMMODATION	YOUR FACILITY		AUSTRALIA	
	Interim (%)	Final (%)	Interim (%)	Final (%)
Private residence	3 (42.9%)	73 (89.0%)	262 (18.7%)	12,841 (86.5%)
Residential Aged Care	1 (14.3%)	9 (11.0%)	349 (24.9%)	1,690 (11.4%)
Community group home	0 (0.0%)	0 (0.0%)	2 (0.1%)	50 (0.3%)
Boarding house	0 (0.0%)	0 (0.0%)	2 (0.1%)	16 (0.1%)
Transitional living unit	0 (0.0%)	0 (0.0%)	466 (33.2%)	126 (0.8%)
Hospital	2 (28.6%)	n.a.	201 (14.3%)	n.a.
Other	1 (14.3%)	0 (0.0%)	122 (8.7%)	120 (0.8%)
Missing	1	6	123	815
<b>All episodes</b>	<b>8 (100.0%)</b>	<b>88 (100.0%)</b>	<b>1,527 (100.0%)</b>	<b>15,658 (100.0%)</b>

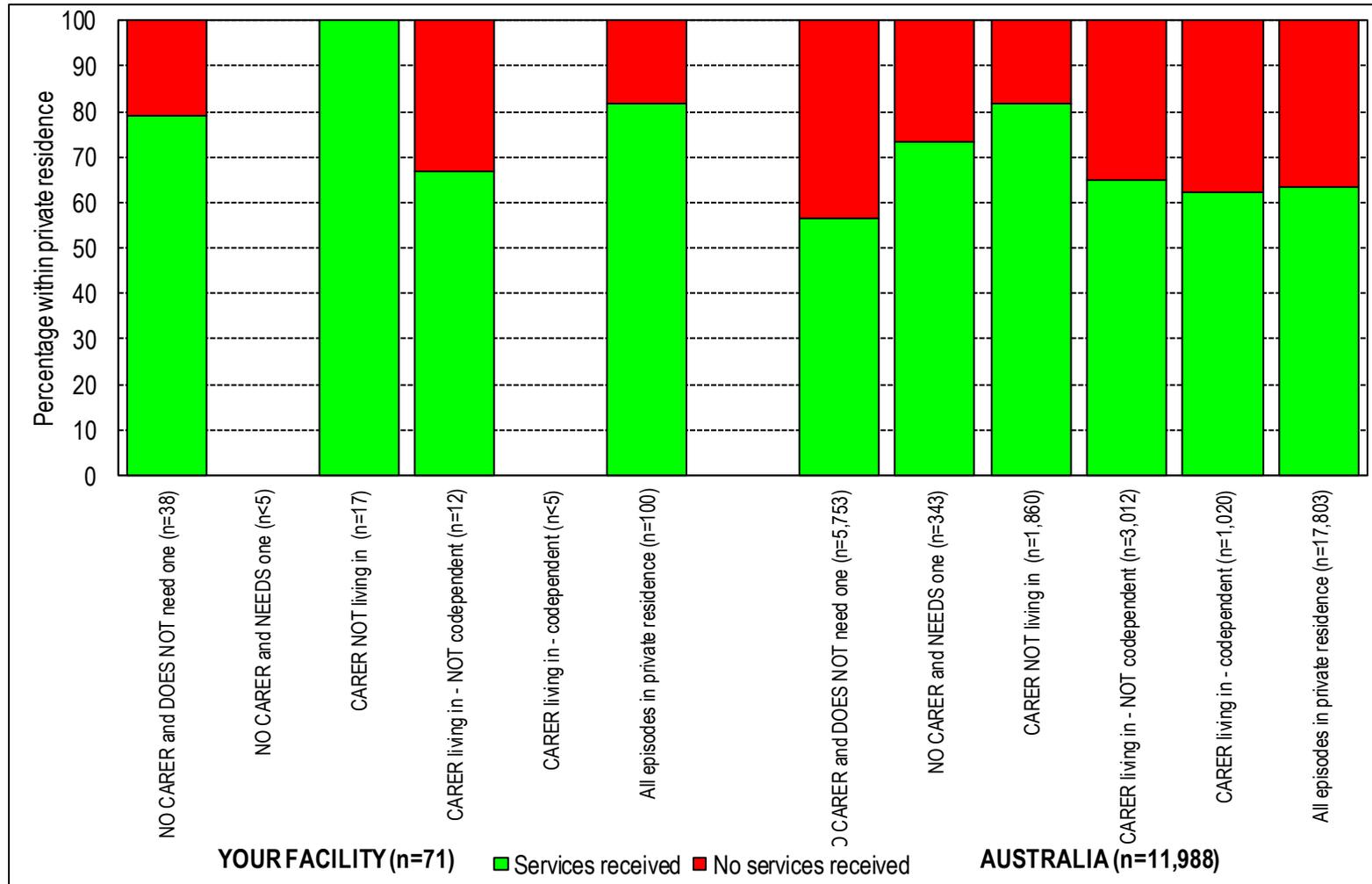
NOTE: Includes only those episodes with mode of episode end equal to either final or interim accommodation

# Carer status post discharge



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

# Any services received post discharge



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

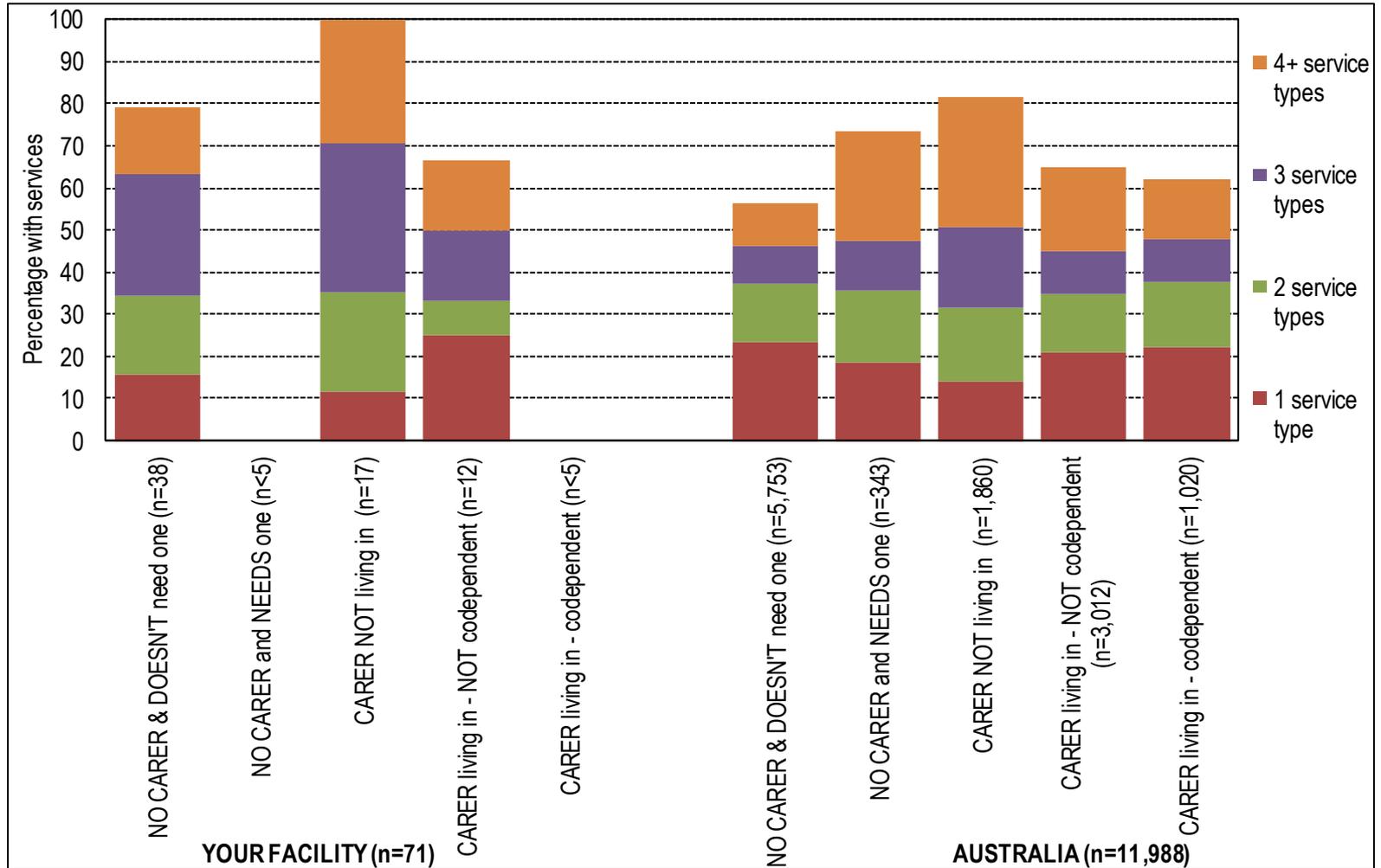
# Carer status and any services received post discharge

Carer status post discharge	YOUR FACILITY		AUSTRALIA	
	No.	%	No.	%
NO CARER and DOES NOT need one	38	53.5	5,753	48.0
NO CARER and NEEDS one	3	4.2	343	2.9
CARER NOT living in	17	23.9	1,860	15.5
CARER living in - NOT codependent	12	16.9	3,012	25.1
CARER living in - codependent	1	1.4	1,020	8.5
Missing	29		5,815	
<b>All episodes in private residence</b>	<b>100</b>	<b>100.0</b>	<b>17,803</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	78.9	21.1	56.5	43.5
NO CARER and NEEDS one	66.7	33.3	73.5	26.5
CARER NOT living in	100.0	0.0	81.8	18.2
CARER living in - NOT codependent	66.7	33.3	65.1	34.9
CARER living in - codependent	100.0	0.0	62.3	37.7
<b>All episodes in private residence</b>	<b>81.7</b>	<b>18.3</b>	<b>63.6</b>	<b>36.4</b>

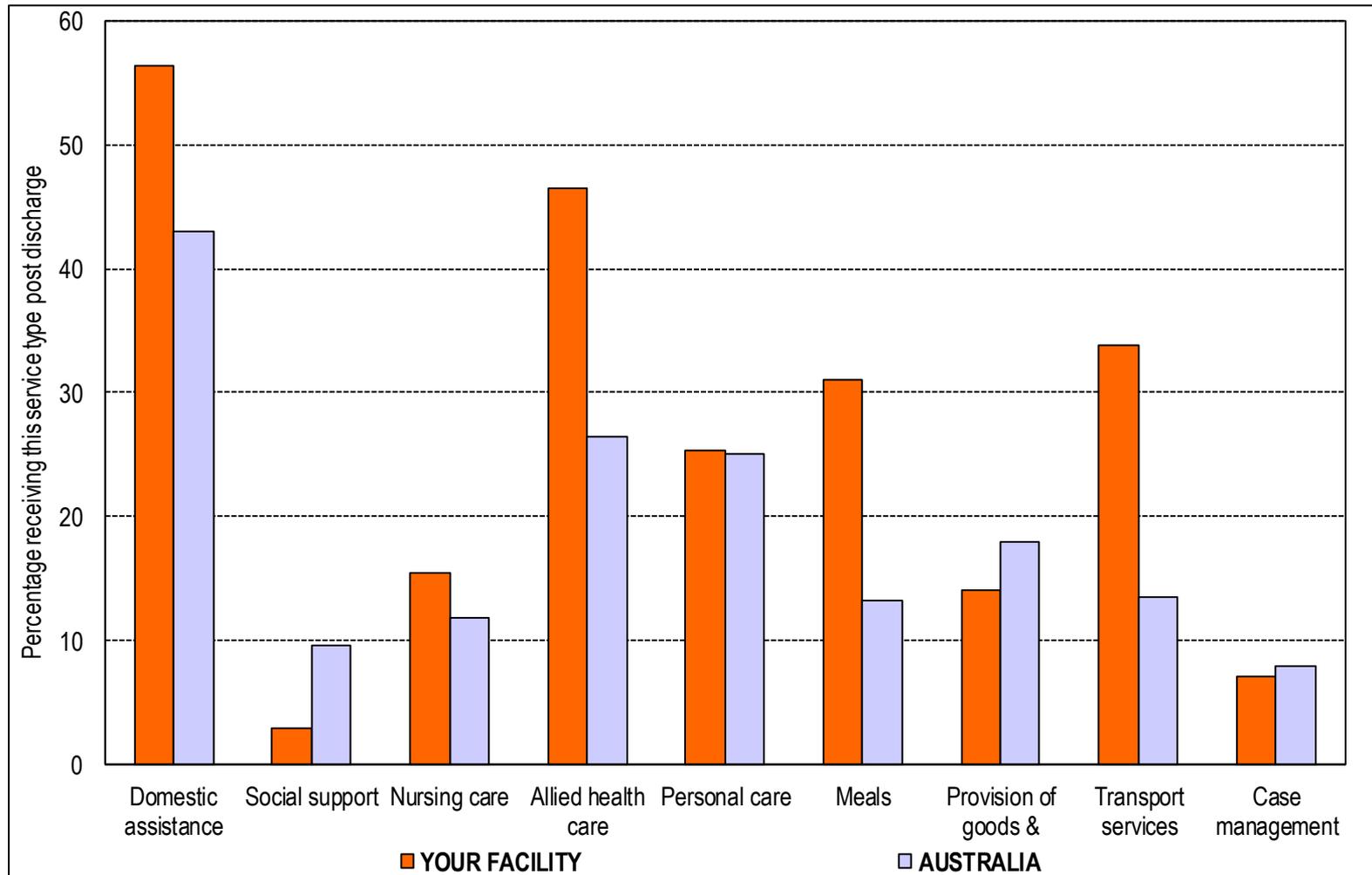
NOTE: Includes only those episodes whose final accommodation is private residence

# Number of services received post discharge



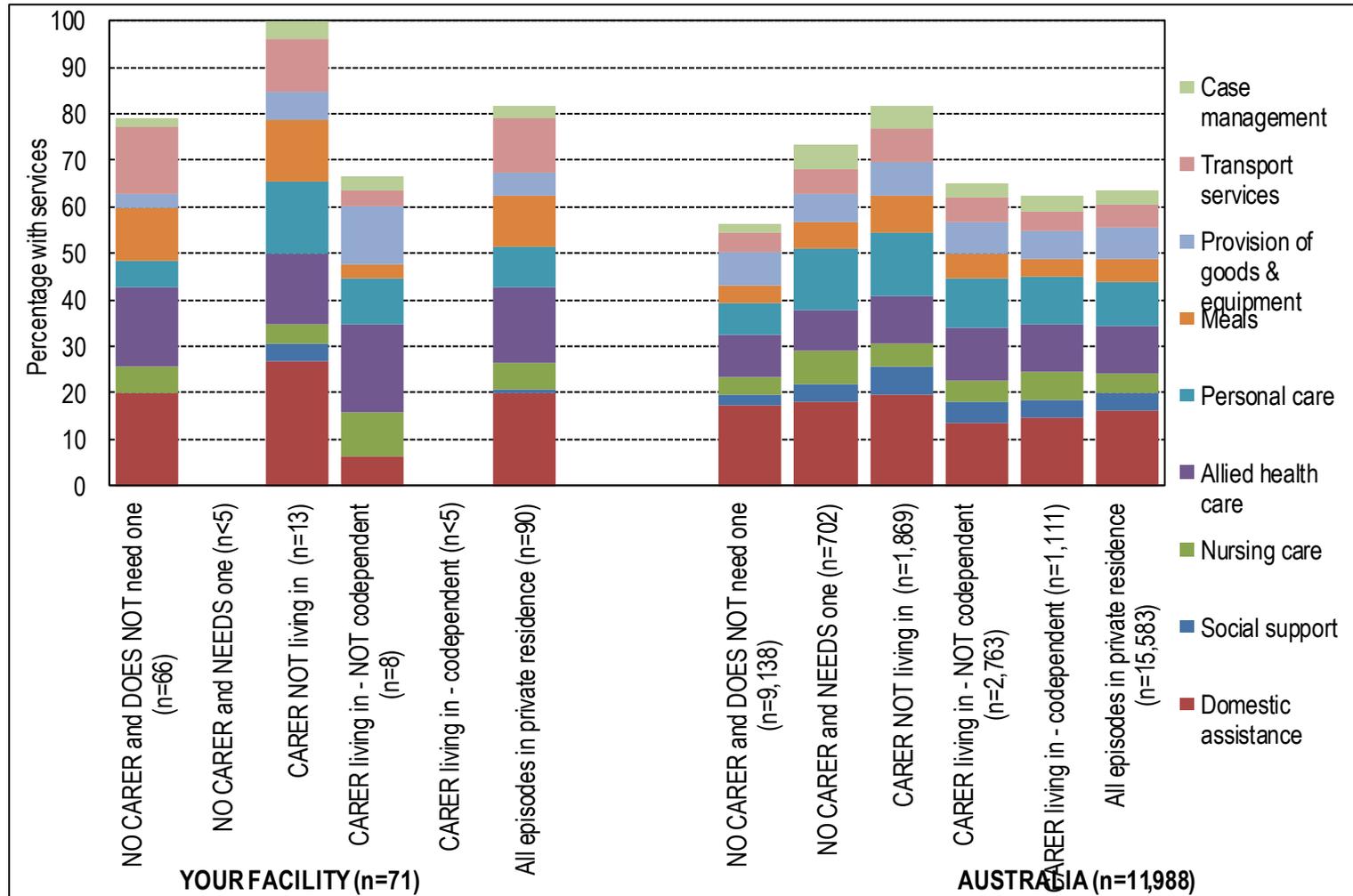
NOTE: Includes only those episodes whose final accommodation is private residence

# 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	38	3	17	12	1	71
<b>Percent of episodes receiving:</b>						
No services	21.1	33.3	0.0	33.3	0.0	18.3
1 service type	15.8	0.0	11.8	25.0	100.0	18.3
2 service types	18.4	0.0	23.5	8.3	0.0	16.9
3 service types	28.9	33.3	35.3	16.7	0.0	28.2
4 or more service types	15.8	33.3	29.4	16.7	0.0	18.3
<b>Service Type received</b>						
Domestic assistance	55.3	66.7	82.4	16.7	0.0	56.3
Social support	0.0	0.0	11.8	0.0	0.0	2.8
Nursing care	15.8	0.0	11.8	25.0	0.0	15.5
Allied health care	47.4	0.0	47.1	50.0	100.0	46.5
Personal care	15.8	33.3	47.1	25.0	0.0	25.4
Meals	31.6	66.7	41.2	8.3	0.0	31.0
Provision of goods & equipment	7.9	0.0	17.6	33.3	0.0	14.1
Transport services	39.5	66.7	35.3	8.3	0.0	33.8
Case management	5.3	0.0	11.8	8.3	0.0	7.0

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	5,753	343	1,860	3,012	1,020	<b>11,988</b>
<b>Percent of episodes receiving:</b>						
No services	43.5	26.5	18.2	34.9	37.7	<b>36.4</b>
1 service type	23.5	18.7	13.9	21.0	22.4	<b>21.3</b>
2 service types	13.5	16.9	17.5	14.0	15.2	<b>14.6</b>
3 service types	9.3	11.7	19.3	9.9	10.2	<b>11.2</b>
4 or more service types	10.2	26.2	31.1	20.2	14.5	<b>16.5</b>
<b>Service Type received</b>						
Domestic assistance	38.4	54.5	64.7	38.4	36.5	<b>43.0</b>
Social support	4.9	11.1	19.7	12.2	9.0	<b>9.6</b>
Nursing care	8.4	21.3	16.9	13.1	14.9	<b>11.8</b>
Allied health care	20.9	26.5	33.8	32.7	25.9	<b>26.5</b>
Personal care	14.9	39.7	44.7	29.7	25.2	<b>25.0</b>
Meals	8.8	17.8	25.6	14.6	9.4	<b>13.2</b>
Provision of goods & equipment	15.5	17.2	24.0	19.4	15.4	<b>17.9</b>
Transport services	9.4	16.6	24.2	15.1	10.4	<b>13.5</b>
Case management	4.5	16.0	16.0	8.5	7.7	<b>7.9</b>

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 2013, 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

## **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

## Orthopaedic fractures

### 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)

# 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	Orthopaedic fractures , FIM motor 63-91, FIM cognition 20-35
3-205	Orthopaedic fractures , FIM motor 63-91, FIM cognition 5-19
3-206	Orthopaedic fractures, FIM motor 47-62, FIM cognition 16-35
3-207	Orthopaedic fractures, FIM motor 47-62, FIM cognition 5-15
3-208	Orthopaedic fractures, FIM motor 14-46, age>=75
3-209	Orthopaedic fractures, 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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# AROC Contact Details

Australasian Rehabilitation Outcomes Centre  
Australian Health Services Research Institute  
iC Enterprise 1, Innovation Campus  
University of Wollongong NSW 2522  
Phone: +61 2 4221 4411  
Email: [aroc@uow.edu.au](mailto:aroc@uow.edu.au)  
Web: [ahsri.uow.edu.au/aroc](http://ahsri.uow.edu.au/aroc)