

Length of stay and functional improvement of completed episodes of rehabilitation in Australia, by impairment and sector, AROC financial year 2013

Impairment group	Public Sector Benchmarks				Private Sector Benchmarks				National data benchmarks			
	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain
	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week
Stroke - haemorrhagic	992	33.4 (31.6–35.1)	25.2 (24.1–26.3)	5.3	652	23.9 (22.6–25.3)	19.4 (18.3–20.5)	5.7	1,644	29.6 (28.4–30.8)	22.9 (22.1–23.7)	5.4
Stroke - ischaemic	1,420	32.2 (30.6–33.8)	23.7 (22.8–24.6)	5.2	767	21.9 (20.8–23.0)	19.0 (18.0–19.9)	6.1	2,187	28.6 (27.5–29.7)	22.0 (21.4–22.7)	5.4
Stroke - V3 data*	2,249	30.8 (29.7–31.9)	23.9 (23.2–24.6)	5.4	145	21.1 (19.2–23.0)	17.8 (15.9–19.7)	5.9	2,394	30.2 (29.2–31.2)	23.5 (22.8–24.2)	5.5
Brain - NO trauma	721	32.5 (29.6–35.3)	23.3 (21.9–24.7)	5.0	397	20.6 (19.1–22.1)	18.3 (17.0–19.6)	6.2	1,118	28.2 (26.3–30.2)	21.5 (20.5–22.5)	5.3
Brain - trauma	657	32.6 (29.6–35.7)	24.2 (22.6–25.7)	5.2	187	20.5 (18.3–22.8)	20.8 (18.4–23.1)	7.1	844	29.9 (27.5–32.4)	23.4 (22.1–24.7)	5.5
Neurological	1,473	24.9 (23.7–26.1)	18.5 (17.7–19.3)	5.2	1,326	17.5 (16.9–18.1)	15.1 (14.5–15.8)	6.1	2,799	21.4 (20.7–22.1)	16.9 (16.4–17.4)	5.5
Spinal cord - NO trauma	396	61.5 (55.0–68.0)	23.0 (21.1–24.8)	2.6	77	22.7 (18.7–26.7)	17.3 (14.1–20.5)	5.3	473	55.2 (49.5–60.8)	22.0 (20.4–23.6)	2.8
Spinal cord - trauma	210	68.8 (60.5–77.0)	22.4 (19.6–25.1)	2.3	23	25.1 (14.8–35.4)	19.0 (13.2–24.9)	5.3	233	64.5 (56.8–72.2)	22.0 (19.5–24.6)	2.4
Amputee - NO trauma	368	35.7 (32.1–39.2)	16.5 (15.2–17.7)	3.2	122	26.4 (23.1–29.7)	14.1 (12.1–16.1)	3.7	490	33.4 (30.5–36.2)	15.9 (14.8–16.9)	3.3
Amputee - trauma	43	30.3 (22.9–37.8)	16.4 (12.0–20.8)	3.8	34	28.6 (23.0–34.1)	13.3 (9.7–16.9)	3.3	77	29.6 (24.8–34.3)	15.0 (12.1–17.9)	3.6
Amputee - V3 data*	423	33.3 (31.3–35.3)	15.3 (14.1–16.5)	3.2	16	28.4 (17.1–39.6)	19.1 (13.2–24.9)	4.7	439	33.1 (31.2–35.1)	15.5 (14.3–16.6)	3.3
Arthritis	120	19.6 (17.3–21.9)	19.0 (16.7–21.3)	6.8	884	12.7 (12.3–13.1)	12.3 (11.9–12.8)	6.8	1,004	13.5 (13.1–14.0)	13.1 (12.6–13.6)	6.8
Pain	1,068	16.9 (16.2–17.7)	17.9 (17.1–18.6)	7.4	2,424	14.2 (13.8–14.5)	12.3 (11.9–12.7)	6.1	3,492	15.0 (14.7–15.3)	14.0 (13.6–14.4)	6.5
Ortho - fractures	7,035	22.5 (22.1–22.8)	21.7 (21.4–22.0)	6.8	6,740	21.2 (20.8–21.5)	19.8 (19.5–20.1)	6.5	13,775	21.8 (21.6–22.1)	20.8 (20.6–21.0)	6.7
Ortho - replacements	3,238	15.2 (14.9–15.5)	19.7 (19.3–20.0)	9.0	18,408	11.4 (11.3–11.5)	15.1 (14.9–15.2)	9.3	21,646	12.0 (11.9–12.1)	15.8 (15.6–15.9)	9.2
Ortho - soft tissue injury	185	14.3 (12.7–15.9)	16.1 (14.1–18.0)	7.9	422	16.5 (15.6–17.5)	15.4 (14.5–16.4)	6.5	607	15.8 (15.0–16.7)	15.6 (14.7–16.5)	6.9
Ortho - others	828	20.8 (19.4–22.3)	19.5 (18.6–20.4)	6.6	5,068	13.3 (12.9–13.6)	16.2 (16.0–16.5)	8.6	5,896	14.3 (14.0–14.7)	16.7 (16.4–17.0)	8.2
Cardiac	630	16.8 (15.9–17.6)	18.4 (17.4–19.4)	7.7	2,196	12.9 (12.6–13.2)	16.3 (15.8–16.7)	8.8	2,826	13.8 (13.5–14.1)	16.7 (16.3–17.1)	8.5
Pulmonary	515	16.6 (15.6–17.6)	18.1 (17.0–19.3)	7.7	1,065	14.3 (13.9–14.8)	15.5 (14.9–16.1)	7.6	1,580	15.1 (14.6–15.5)	16.4 (15.8–16.9)	7.6
Burns	45	26.2 (18.9–33.5)	19.3 (15.2–23.3)	5.2	6	20.8 (14.2–27.5)	15.3 (11.8–18.9)	5.2	51	25.5 (19.1–32.0)	18.8 (15.2–22.4)	5.2
Congenital deformity	9	27.9 (2.7–53.1)	14.4 (6.0–22.9)	3.6	5	9.8 (4.5–15.1)	10.2 (3.2–17.2)	7.3	14	21.4 (4.8–38.1)	12.9 (7.0–18.8)	4.2
Other disabling imp.	554	21.3 (19.7–22.8)	17.4 (16.1–18.6)	5.7	156	18.2 (16.7–19.6)	11.3 (9.4–13.2)	4.3	710	20.6 (19.3–21.9)	16.0 (15.0–17.1)	5.5
Multiple trauma	249	41.8 (35.4–48.2)	29.4 (26.8–32.1)	4.9	237	45.6 (40.2–51.0)	34.6 (31.7–37.5)	5.3	486	43.7 (39.5–47.9)	32.0 (30.0–33.9)	5.1
Developmental disability	5	23.8 (16.3–31.3)	22.6 (15.9–29.3)	6.6	1	n.a.	n.a.	n.a.	6	33.7 (13.4–54.0)	21.7 (15.9–27.5)	4.5
Re-conditioning	7,914	18.8 (18.5–19.1)	17.9 (17.6–18.2)	6.7	10,864	15.9 (15.7–16.1)	15.1 (14.9–15.3)	6.6	18,778	17.1 (16.9–17.3)	16.3 (16.1–16.4)	6.7
Missing or excluded	6,886				5,925				12,811			
All episodes	38,233	23.5 (23.2–23.7)	20.3 (20.2–20.5)	6.1	58,147	14.9 (14.8–15.0)	15.9 (15.8–16.0)	7.5	96,380	18.1 (18.0–18.3)	17.6 (17.5–17.7)	6.8

NOTE 1: Where the number of episodes < 5 details are not given for reasons of privacy and accuracy.

NOTE 2: Incomplete episodes are excluded from analysis

AN-SNAP V3 inpatient 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.

Length of stay and functional improvement of completed episodes of rehabilitation in Australia, by AN-SNAP class and sector, AROC financial year 2013 (1/2)

AN-SNAP class	Public Sector Benchmarks				Private Sector Benchmarks				National data benchmarks			
	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain
	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week
3-201*	---				---				---			
3-202	144	115.8 (101.7–129.9)	29.2 (24.3–34.0)	1.8	27	79.9 (56.0–103.8)	49.7 (35.8–63.6)	4.4	171	110.1 (97.5–122.7)	32.4 (27.7–37.2)	2.1
3-203	270	46.3 (41.3–51.3)	22.2 (19.1–25.2)	3.3	70	28.7 (23.9–33.6)	28.8 (20.4–37.2)	7.0	340	42.7 (38.6–46.9)	23.5 (20.5–26.6)	3.9
3-204	1,308	16.2 (15.4–17.0)	12.3 (11.8–12.7)	5.3	639	15.2 (14.5–15.9)	12.4 (11.8–13.0)	5.7	1,947	15.9 (15.3–16.4)	12.3 (12.0–12.7)	5.4
3-205	183	25.5 (22.6–28.4)	19.4 (17.9–20.8)	5.3	36	20.4 (16.9–24.0)	19.1 (16.0–22.1)	6.5	219	24.7 (22.1–27.2)	19.3 (18.0–20.6)	5.5
3-206	1,098	24.1 (23.1–25.1)	25.2 (24.6–25.9)	7.3	478	21.7 (20.7–22.7)	22.1 (21.2–23.1)	7.1	1,576	23.4 (22.6–24.1)	24.3 (23.8–24.9)	7.3
3-207	109	30.0 (26.6–33.4)	26.3 (23.4–29.3)	6.2	32	29.9 (23.4–36.4)	23.7 (19.3–28.1)	5.6	141	30.0 (27.0–33.0)	25.8 (23.3–28.2)	6.0
3-208	900	39.5 (38.0–41.0)	27.5 (26.3–28.8)	4.9	250	33.8 (31.3–36.2)	25.6 (23.3–27.9)	5.3	1,150	38.3 (37.0–39.6)	27.1 (26.0–28.2)	5.0
3-209	872	52.4 (50.0–54.8)	37.5 (36.2–38.8)	5.0	118	41.2 (36.8–45.7)	28.0 (24.3–31.6)	4.7	990	51.1 (48.9–53.3)	36.4 (35.1–37.6)	5.0
3-210	158	13.1 (11.7–14.6)	10.9 (9.6–12.3)	5.8	168	14.2 (12.9–15.5)	12.6 (11.5–13.7)	6.2	326	13.7 (12.7–14.7)	11.8 (10.9–12.7)	6.0
3-211	359	17.2 (15.9–18.5)	14.1 (13.1–15.1)	5.7	171	17.9 (16.2–19.6)	16.1 (14.7–17.6)	6.3	530	17.5 (16.4–18.5)	14.7 (13.9–15.6)	5.9
3-212	172	25.7 (22.6–28.8)	17.8 (16.1–19.4)	4.8	32	19.6 (15.8–23.5)	17.8 (14.0–21.7)	6.4	204	24.7 (22.1–27.4)	17.8 (16.3–19.3)	5.0
3-213	192	31.4 (27.6–35.1)	23.6 (21.7–25.6)	5.3	32	24.3 (19.2–29.4)	21.4 (15.9–27.0)	6.2	224	30.4 (27.0–33.7)	23.3 (21.5–25.2)	5.4
3-214	356	36.7 (33.7–39.7)	33.4 (31.4–35.3)	6.4	161	27.8 (24.7–30.9)	27.7 (25.0–30.4)	7.0	517	33.9 (31.6–36.2)	31.6 (30.0–33.2)	6.5
3-215	101	67.1 (54.7–79.6)	43.5 (37.7–49.2)	4.5	17	33.4 (24.5–42.2)	21.9 (11.3–32.6)	4.6	118	62.3 (51.3–73.2)	40.4 (35.1–45.7)	4.5
3-216	528	16.6 (15.4–17.9)	10.9 (10.1–11.6)	4.6	603	13.3 (12.7–13.9)	12.1 (11.5–12.7)	6.3	1,131	14.9 (14.2–15.5)	11.5 (11.0–12.0)	5.4
3-217	364	21.1 (19.6–22.5)	18.9 (17.7–20.1)	6.3	432	18.5 (17.5–19.5)	17.1 (16.0–18.2)	6.5	796	19.7 (18.8–20.5)	17.9 (17.1–18.7)	6.4
3-218	510	32.6 (30.3–34.8)	25.5 (23.8–27.2)	5.5	265	24.2 (22.5–25.9)	18.8 (16.9–20.7)	5.4	775	29.7 (28.1–31.3)	23.2 (21.9–24.5)	5.5
3-219	41	41.3 (30.2–52.4)	26.4 (18.7–34.0)	4.5	14	30.1 (16.5–43.7)	12.9 (4.6–21.2)	3.0	55	38.5 (29.5–47.5)	22.9 (16.7–29.2)	4.2
3-220	22	17.5 (11.2–23.9)	2.9 (1.7–4.0)	1.1	12	14.3 (9.2–19.5)	4.5 (2.6–6.4)	2.2	34	16.4 (12.0–20.9)	3.4 (2.4–4.5)	1.5
3-221	223	32.1 (28.5–35.8)	15.9 (14.4–17.4)	3.5	63	19.8 (17.1–22.5)	17.4 (15.1–19.8)	6.2	286	29.4 (26.4–32.4)	16.2 (15.0–17.5)	3.9
3-222	240	75.5 (66.7–84.4)	27.9 (25.3–30.5)	2.6	23	34.2 (22.1–46.2)	24.3 (15.8–32.9)	5.0	263	71.9 (63.7–80.1)	27.6 (25.1–30.1)	2.7
3-223	52	85.8 (67.5–104.1)	37.5 (32.2–42.9)	3.1	2	n.a.	n.a.	n.a.	54	84.9 (67.1–102.7)	37.2 (31.9–42.5)	3.1

NOTE 1: Where the number of episodes < 5 details are not given for reasons of privacy and accuracy.

NOTE 2: Incomplete episodes are excluded from analysis

* there is no 3-201 class in the AROC Version 4 data set - pathway 3 (inpatient direct care) data

Length of stay and functional improvement of completed episodes of rehabilitation in Australia, by AN-SNAP class and sector, AROC financial year 2013 (2/2)

AN-SNAP class	Public Sector Benchmarks				Private Sector Benchmarks				National data benchmarks			
	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain
	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week
3-224	190	23.3 (20.5–26.1)	5.1 (4.4–5.9)	1.5	33	19.7 (15.8–23.6)	6.5 (5.1–7.9)	2.3	223	22.8 (20.3–25.2)	5.3 (4.7–6.0)	1.6
3-225	643	37.5 (35.2–39.8)	19.1 (18.1–20.0)	3.6	143	29.2 (26.0–32.3)	16.4 (14.6–18.3)	3.9	786	36.0 (34.0–37.9)	18.6 (17.7–19.4)	3.6
3-226	1,070	16.9 (16.1–17.6)	17.8 (17.0–18.6)	7.4	2,416	14.1 (13.8–14.5)	12.2 (11.8–12.6)	6.1	3,486	15.0 (14.7–15.3)	14.0 (13.6–14.3)	6.5
3-227	2,344	16.8 (16.3–17.3)	14.0 (13.7–14.3)	5.8	3,335	16.5 (16.2–16.8)	14.3 (14.0–14.5)	6.1	5,679	16.6 (16.4–16.9)	14.2 (14.0–14.4)	6.0
3-228	1,905	21.5 (20.9–22.1)	22.5 (22.1–22.9)	7.3	1,789	22.2 (21.5–22.8)	22.7 (22.3–23.2)	7.2	3,694	21.8 (21.4–22.2)	22.6 (22.3–22.9)	7.3
3-229	2,198	28.1 (27.4–28.8)	29.1 (28.5–29.7)	7.3	1,382	30.3 (29.3–31.4)	28.6 (27.8–29.4)	6.6	3,580	29.0 (28.4–29.5)	28.9 (28.4–29.4)	7.0
3-230	546	27.4 (25.6–29.1)	23.0 (21.4–24.6)	5.9	221	26.2 (24.4–28.1)	25.0 (22.6–27.5)	6.7	767	27.0 (25.7–28.4)	23.6 (22.3–24.9)	6.1
3-231	491	10.4 (9.9–10.9)	7.1 (6.7–7.6)	4.8	6,836	9.9 (9.8–10.0)	7.9 (7.8–8.0)	5.6	7,327	9.9 (9.8–10.1)	7.8 (7.8–7.9)	5.5
3-232	2,142	14.2 (13.8–14.5)	19.2 (18.8–19.5)	9.5	10,886	11.8 (11.6–11.9)	18.6 (18.4–18.7)	11.1	13,028	12.2 (12.0–12.3)	18.7 (18.5–18.8)	10.8
3-233	604	22.8 (21.7–23.8)	31.6 (30.5–32.6)	9.7	678	20.6 (19.7–21.6)	30.7 (29.7–31.7)	10.4	1,282	21.6 (20.9–22.4)	31.1 (30.4–31.8)	10.1
3-234	303	11.5 (10.5–12.5)	8.6 (8.0–9.3)	5.2	2,600	11.2 (10.8–11.6)	9.7 (9.5–10.0)	6.1	2,903	11.2 (10.8–11.6)	9.6 (9.4–9.8)	6.0
3-235	444	14.1 (13.1–15.0)	17.3 (16.4–18.1)	8.6	2,241	14.0 (13.5–14.4)	20.1 (19.8–20.4)	10.1	2,685	14.0 (13.6–14.3)	19.6 (19.3–19.9)	9.8
3-236	446	27.0 (24.5–29.5)	26.2 (24.9–27.6)	6.8	639	21.3 (19.7–23.0)	28.0 (27.0–29.0)	9.2	1,085	23.7 (22.2–25.1)	27.3 (26.5–28.1)	8.1
3-237	628	16.8 (15.9–17.6)	18.3 (17.3–19.2)	7.6	2,193	12.9 (12.6–13.2)	16.3 (15.8–16.7)	8.8	2,821	13.8 (13.5–14.1)	16.7 (16.3–17.1)	8.5
3-238	57	17.5 (14.3–20.6)	10.4 (8.8–12.0)	4.2	39	18.3 (14.3–22.2)	12.0 (10.1–13.9)	4.6	96	17.8 (15.3–20.3)	11.1 (9.8–12.3)	4.3
3-239	143	26.5 (22.3–30.7)	22.4 (20.5–24.3)	5.9	121	29.7 (26.1–33.3)	26.3 (24.6–28.0)	6.2	264	28.0 (25.2–30.8)	24.2 (22.9–25.5)	6.1
3-240	74	65.3 (50.0–80.6)	43.1 (39.0–47.1)	4.6	52	60.8 (48.9–72.7)	48.5 (44.9–52.2)	5.6	126	63.5 (53.3–73.7)	45.3 (42.5–48.1)	5.0
3-241	11	80.2 (52.3–108.0)	70.3 (55.3–85.3)	6.1	19	92.4 (72.8–111.9)	64.6 (50.7–78.4)	4.9	30	87.9 (72.0–103.8)	66.7 (56.4–76.9)	5.3
3-242	2,061	13.6 (13.1–14.0)	8.7 (8.4–9.0)	4.5	5,300	12.7 (12.5–13.0)	9.6 (9.4–9.7)	5.3	7,361	13.0 (12.8–13.2)	9.3 (9.2–9.5)	5.0
3-243	3,136	16.6 (16.3–17.0)	17.3 (16.9–17.6)	7.3	5,112	15.7 (15.5–15.9)	17.3 (17.1–17.6)	7.7	8,248	16.1 (15.9–16.3)	17.3 (17.1–17.5)	7.5
3-244	3,437	22.4 (21.9–22.9)	23.3 (22.8–23.8)	7.3	2,364	20.6 (20.1–21.0)	20.9 (20.3–21.4)	7.1	5,801	21.6 (21.3–22.0)	22.3 (21.9–22.7)	7.2
3-245	429	30.6 (28.5–32.7)	23.8 (21.7–25.8)	5.4	171	27.7 (25.2–30.2)	21.4 (18.1–24.7)	5.4	600	29.8 (28.1–31.4)	23.1 (21.4–24.8)	5.4
Missing or excluded	6,729				5,932				12,661			
All episodes	38,233	23.5 (23.2–23.7)	20.3 (20.2–20.5)	6.1	58,147	14.9 (14.8–15.0)	15.9 (15.8–16.0)	7.5	96,380	18.1 (18.0–18.3)	17.6 (17.5–17.7)	6.8

NOTE 1: Where the number of episodes < 5 details are not given for reasons of privacy and accuracy.

NOTE 2: Incomplete episodes are excluded from analysis