

Length of stay and functional improvement of completed episodes of rehabilitation in New Zealand, by impairment and age, AROC financial year 201:

Impairment group	Aged under 65				Aged 65 and over				New Zealand National			
	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	172	33.6 (29.3–37.8)	29.3 (25.8–32.8)	6.1	407	27.8 (25.2–30.3)	21.5 (19.7–23.3)	5.4	579	29.5 (27.3–31.7)	23.8 (22.2–25.5)	5.7
Stroke - ischaemic	208	33.6 (29.8–37.4)	26.9 (24.5–29.4)	5.6	623	26.6 (25.0–28.1)	19.3 (18.0–20.7)	5.1	831	28.3 (26.8–29.8)	21.2 (20.0–22.4)	5.2
Stroke - V3 data*	13	26.5 (17.0–35.9)	21.9 (12.6–31.3)	5.8	12	31.3 (22.8–39.9)	18.2 (11.6–24.7)	4.1	25	28.8 (22.4–35.2)	20.1 (14.4–25.8)	4.9
Brain - NO trauma	96	35.6 (27.8–43.5)	28.0 (23.1–32.9)	5.5	90	22.0 (18.7–25.4)	16.7 (13.3–20.0)	5.3	186	29.1 (24.6–33.5)	22.5 (19.4–25.6)	5.4
Brain - trauma	119	33.0 (27.8–38.3)	32.1 (27.5–36.8)	6.8	77	30.2 (24.2–36.3)	23.2 (18.6–27.8)	5.4	196	31.9 (28.0–35.9)	28.6 (25.2–32.0)	6.3
Neurological	98	23.2 (19.6–26.7)	20.7 (16.7–24.8)	6.3	160	19.2 (17.4–21.0)	12.6 (10.4–14.8)	4.6	258	20.7 (18.9–22.5)	15.7 (13.6–17.8)	5.3
Spinal cord - NO trauma	36	47.3 (38.6–55.9)	27.8 (22.4–33.1)	4.1	37	36.9 (26.4–47.4)	18.7 (14.2–23.3)	3.6	73	42.0 (35.1–48.9)	23.2 (19.5–26.8)	3.9
Spinal cord - trauma	70	62.6 (52.3–73.0)	30.6 (26.1–35.0)	3.4	17	51.9 (33.8–69.9)	29.7 (20.6–38.9)	4.0	87	60.5 (51.5–69.6)	30.4 (26.4–34.4)	3.5
Amputee - NO trauma	47	29.0 (22.7–35.3)	16.3 (12.9–19.7)	3.9	77	30.6 (25.6–35.6)	17.1 (14.4–19.7)	3.9	124	30.0 (26.1–33.9)	16.8 (14.7–18.9)	3.9
Amputee - trauma	3	n.a.	n.a.	n.a.	9	26.6 (14.6–38.5)	16.6 (10.1–23.0)	4.4	12	24.8 (15.3–34.4)	15.3 (10.3–20.3)	4.3
Amputee - V3 data*	0	n.a.	n.a.	n.a.	2	n.a.	n.a.	n.a.	2	n.a.	n.a.	n.a.
Arthritis	6	14.0 (9.9–18.1)	13.8 (3.7–23.9)	6.9	35	17.1 (12.5–21.7)	14.9 (11.1–18.6)	6.1	41	16.7 (12.7–20.6)	14.7 (11.2–18.2)	6.2
Pain	15	24.1 (10.8–37.4)	18.1 (10.5–25.8)	5.3	222	17.1 (15.5–18.6)	15.1 (13.5–16.8)	6.2	237	17.5 (15.8–19.2)	15.3 (13.7–16.9)	6.1
Ortho - fractures	155	24.3 (20.8–27.8)	17.7 (15.9–19.5)	5.1	2,630	19.3 (18.8–19.8)	19.1 (18.6–19.7)	6.9	2,785	19.6 (19.0–20.1)	19.1 (18.5–19.6)	6.8
Ortho - replacements	16	19.4 (7.9–30.8)	17.5 (12.2–22.8)	6.3	234	14.3 (12.7–15.9)	16.8 (15.4–18.2)	8.2	250	14.6 (13.0–16.3)	16.8 (15.5–18.2)	8.0
Ortho - soft tissue injury	20	19.6 (14.1–25.1)	15.9 (9.3–22.5)	5.7	246	15.8 (14.6–17.0)	16.7 (15.1–18.3)	7.4	266	16.1 (14.9–17.3)	16.6 (15.1–18.2)	7.2
Ortho - others	25	24.7 (17.5–31.9)	16.8 (13.7–20.0)	4.8	76	19.0 (15.9–22.1)	15.1 (12.3–17.9)	5.6	101	20.4 (17.5–23.4)	15.5 (13.3–17.8)	5.3
Cardiac	9	18.3 (12.7–24.0)	16.7 (9.6–23.8)	6.4	117	17.6 (15.7–19.4)	11.7 (9.2–14.1)	4.7	126	17.6 (15.9–19.4)	12.0 (9.7–14.4)	4.8
Pulmonary	3	n.a.	n.a.	n.a.	102	19.5 (17.0–22.0)	12.0 (9.6–14.3)	4.3	105	19.2 (16.8–21.6)	11.8 (9.5–14.1)	4.3
Burns	1	n.a.	n.a.	n.a.	2	n.a.	n.a.	n.a.	3	n.a.	n.a.	n.a.
Congenital deformity	1	n.a.	n.a.	n.a.	1	n.a.	n.a.	n.a.	2	n.a.	n.a.	n.a.
Other disabling imp.	24	19.6 (14.7–24.4)	22.2 (13.7–30.7)	7.9	545	19.2 (18.1–20.2)	12.5 (11.3–13.7)	4.6	569	19.2 (18.1–20.2)	12.9 (11.7–14.1)	4.7
Multiple trauma	41	44.2 (34.4–54.0)	35.7 (28.3–43.1)	5.7	10	40.4 (20.8–60.0)	31.0 (19.1–42.9)	5.4	51	43.5 (34.8–52.2)	34.8 (28.4–41.2)	5.6
Developmental disability	0	n.a.	n.a.	n.a.	2	n.a.	n.a.	n.a.	2	n.a.	n.a.	n.a.
Re-conditioning	182	24.8 (21.9–27.7)	17.8 (15.6–19.9)	5.0	1,662	19.2 (18.4–20.0)	14.5 (13.8–15.2)	5.3	1,844	19.7 (19.0–20.5)	14.8 (14.1–15.5)	5.2
Missing or excluded	80				479				559			
All episodes	1,440	31.5 (30.0–33.0)	24.3 (23.2–25.3)	5.4	7,874	20.4 (20.1–20.8)	17.1 (16.7–17.4)	5.8	9,314	22.2 (21.8–22.6)	18.2 (17.9–18.5)	5.7

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 New Zealand, by AN-SNAP class and age, AROC financial year 2013 (1/2)

AN-SNAP class	Aged under 65			Aged 65 and over			New Zealand National					
	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	30	95.1 (77.0–113.3)	39.1 (26.3–51.8)	2.9	21	66.1 (45.5–86.7)	23.1 (16.0–30.3)	2.5	51	83.2 (69.1–97.2)	32.3 (24.1–40.5)	2.7
3-203	24	61.2 (46.5–75.9)	30.3 (18.3–42.2)	3.5	132	33.3 (29.8–36.8)	17.9 (14.0–21.7)	3.8	156	37.6 (33.6–41.6)	19.8 (16.0–23.6)	3.7
3-204	153	14.9 (13.4–16.3)	12.5 (11.1–13.9)	5.9	240	14.9 (13.5–16.3)	10.1 (8.8–11.3)	4.7	393	14.9 (13.9–15.9)	11.0 (10.1–11.9)	5.2
3-205	25	35.0 (22.7–47.2)	21.4 (17.4–25.4)	4.3	45	18.2 (15.7–20.7)	13.4 (9.8–17.0)	5.2	70	24.2 (19.2–29.1)	16.3 (13.4–19.1)	4.7
3-206	53	24.4 (20.9–27.9)	27.1 (24.2–29.9)	7.8	214	21.1 (19.3–22.9)	20.0 (18.6–21.4)	6.6	267	21.7 (20.1–23.3)	21.4 (20.1–22.7)	6.9
3-207	8	24.4 (16.0–32.8)	30.4 (17.1–43.6)	8.7	24	21.0 (16.2–25.7)	19.1 (13.1–25.2)	6.4	32	21.8 (17.7–25.9)	21.9 (16.2–27.7)	7.0
3-208	0	n.a.	n.a.	n.a.	313	32.4 (30.3–34.5)	23.4 (21.3–25.5)	5.0	313	32.4 (30.3–34.5)	23.4 (21.3–25.5)	5.0
3-209	147	54.8 (49.8–59.7)	45.1 (41.9–48.2)	5.8	141	42.1 (35.8–48.4)	31.9 (28.3–35.4)	5.3	288	48.6 (44.5–52.6)	38.6 (36.1–41.1)	5.6
3-210	23	10.9 (7.8–14.0)	11.9 (8.2–15.5)	7.6	11	10.6 (7.2–14.1)	8.3 (4.0–12.6)	5.5	34	10.8 (8.5–13.2)	10.7 (7.8–13.5)	6.9
3-211	54	15.6 (13.3–17.9)	15.9 (13.3–18.4)	7.1	35	13.2 (10.3–16.2)	10.4 (8.1–12.7)	5.5	89	14.7 (12.8–16.5)	13.7 (11.8–15.6)	6.5
3-212	32	23.7 (18.7–28.8)	19.0 (15.5–22.5)	5.6	19	15.2 (11.3–19.0)	12.6 (6.8–18.3)	5.8	51	20.5 (16.9–24.2)	16.6 (13.4–19.8)	5.7
3-213	33	37.3 (27.3–47.3)	25.2 (20.7–29.6)	4.7	18	27.9 (18.5–37.4)	15.2 (8.3–22.2)	3.8	51	34.0 (26.7–41.3)	21.6 (17.7–25.6)	4.5
3-214	44	47.3 (36.4–58.2)	49.3 (42.4–56.3)	7.3	55	27.9 (23.6–32.2)	28.9 (23.2–34.6)	7.2	99	36.5 (30.8–42.2)	38.0 (33.1–42.8)	7.3
3-215	17	64.6 (44.6–84.5)	61.2 (47.1–75.4)	6.6	20	44.6 (33.7–55.4)	22.6 (12.8–32.3)	3.5	37	53.8 (42.5–65.0)	40.3 (29.9–50.7)	5.3
3-216	44	14.3 (11.4–17.1)	10.5 (8.2–12.9)	5.2	59	13.8 (11.8–15.8)	8.5 (6.7–10.3)	4.3	103	14.0 (12.4–15.6)	9.4 (7.9–10.8)	4.7
3-217	19	20.1 (15.6–24.6)	16.8 (9.1–24.6)	5.9	26	21.4 (16.6–26.1)	11.9 (6.6–17.2)	3.9	45	20.8 (17.5–24.1)	14.0 (9.5–18.5)	4.7
3-218	30	35.3 (27.6–42.9)	33.3 (25.4–41.3)	6.6	61	22.5 (19.2–25.7)	17.4 (12.6–22.2)	5.4	91	26.7 (23.1–30.2)	22.7 (18.3–27.1)	5.9
3-219	4	n.a.	n.a.	n.a.	11	21.5 (14.8–28.2)	10.9 (5.1–16.7)	3.5	15	28.8 (19.9–37.7)	24.2 (11.2–37.2)	5.9
3-220	1	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	1	n.a.	n.a.	n.a.
3-221	34	27.7 (20.4–35.0)	15.9 (12.7–19.0)	4.0	18	22.0 (11.7–32.3)	13.1 (8.7–17.5)	4.2	52	25.8 (19.8–31.7)	14.9 (12.3–17.4)	4.0
3-222	36	55.5 (46.7–64.3)	40.8 (36.3–45.3)	5.1	25	39.4 (31.5–47.3)	27.4 (20.7–34.0)	4.9	61	48.9 (42.5–55.3)	35.3 (31.2–39.4)	5.1
3-223	19	73.5 (63.5–83.6)	42.1 (35.9–48.3)	4.0	0	n.a.	n.a.	n.a.	19	73.5 (63.5–83.6)	42.1 (35.9–48.3)	4.0

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 New Zealand, by AN-SNAP class and age, AROC financial year 2013 (2/2)

AN-SNAP class	Aged under 65				Aged 65 and over				New Zealand National			
	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	13	20.5 (14.6–26.5)	5.5 (3.7–7.4)	1.9	4	n.a.	n.a.	n.a.	17	21.1 (14.2–27.9)	6.0 (4.3–7.7)	2.0
3-225	37	31.2 (23.6–38.9)	19.7 (16.2–23.3)	4.4	84	30.4 (25.8–35.1)	16.9 (14.2–19.7)	3.9	121	30.7 (26.7–34.6)	17.8 (15.6–20.0)	4.1
3-226	15	24.1 (10.8–37.4)	18.1 (10.5–25.8)	5.3	221	17.1 (15.5–18.7)	15.1 (13.5–16.8)	6.2	236	17.5 (15.9–19.2)	15.3 (13.7–16.9)	6.1
3-227	80	18.3 (14.5–22.1)	12.9 (11.2–14.5)	4.9	750	13.1 (12.5–13.6)	11.5 (11.0–12.1)	6.2	830	13.6 (12.9–14.2)	11.7 (11.1–12.2)	6.0
3-228	29	19.9 (15.2–24.5)	23.5 (20.4–26.6)	8.3	549	18.4 (17.4–19.4)	19.2 (18.4–20.1)	7.3	578	18.5 (17.5–19.4)	19.5 (18.6–20.3)	7.4
3-229	35	36.7 (26.7–46.7)	25.8 (21.2–30.5)	4.9	896	23.6 (22.7–24.5)	26.2 (25.1–27.3)	7.8	931	24.1 (23.1–25.0)	26.2 (25.2–27.2)	7.6
3-230	10	38.0 (23.1–52.9)	11.9 (3.7–20.1)	2.2	393	22.4 (20.3–24.5)	18.2 (16.4–19.9)	5.7	403	22.8 (20.7–24.9)	18.0 (16.3–19.7)	5.5
3-231	3	n.a.	n.a.	n.a.	31	8.3 (6.7–9.9)	4.9 (3.1–6.7)	4.1	34	8.4 (6.9–10.0)	5.0 (3.3–6.7)	4.2
3-232	10	21.6 (3.5–39.7)	15.9 (11.3–20.5)	5.2	141	12.9 (10.7–15.0)	15.9 (14.7–17.1)	8.6	151	13.4 (11.1–15.8)	15.9 (14.7–17.1)	8.3
3-233	3	n.a.	n.a.	n.a.	62	20.7 (17.6–23.7)	25.0 (22.0–28.1)	8.5	65	20.7 (17.8–23.6)	25.4 (22.5–28.4)	8.6
3-234	15	14.3 (8.7–20.0)	8.9 (6.7–11.1)	4.3	68	10.5 (8.4–12.5)	6.4 (4.7–8.2)	4.3	83	11.2 (9.2–13.1)	6.9 (5.4–8.4)	4.3
3-235	16	21.8 (14.6–28.9)	16.6 (12.4–20.8)	5.4	111	16.1 (14.0–18.3)	15.4 (13.8–17.0)	6.7	127	16.9 (14.7–19.0)	15.6 (14.1–17.1)	6.5
3-236	14	31.9 (22.6–41.2)	24.3 (16.7–31.9)	5.3	143	19.8 (18.1–21.4)	21.8 (19.4–24.2)	7.7	157	20.9 (19.1–22.7)	22.0 (19.8–24.3)	7.4
3-237	9	18.3 (12.7–24.0)	16.7 (9.6–23.8)	6.4	117	17.6 (15.7–19.4)	11.7 (9.2–14.1)	4.7	126	17.6 (15.9–19.4)	12.0 (9.7–14.4)	4.8
3-238	10	17.3 (11.8–22.8)	7.3 (4.7–9.9)	3.0	0	n.a.	n.a.	n.a.	10	17.3 (11.8–22.8)	7.3 (4.7–9.9)	3.0
3-239	11	29.4 (22.1–36.6)	26.5 (20.6–32.3)	6.3	4	n.a.	n.a.	n.a.	15	25.8 (19.6–32.0)	26.0 (20.9–31.1)	7.1
3-240	16	62.9 (48.4–77.5)	48.6 (43.0–54.1)	5.4	7	39.7 (20.4–59.1)	33.6 (17.9–49.2)	5.9	23	55.9 (43.6–68.2)	44.0 (37.4–50.6)	5.5
3-241	3	n.a.	n.a.	n.a.	1	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.
3-242	63	15.6 (12.8–18.4)	9.9 (8.0–11.7)	4.4	524	13.5 (12.7–14.3)	6.2 (5.6–6.9)	3.2	587	13.8 (13.0–14.5)	6.6 (6.0–7.3)	3.4
3-243	52	20.1 (16.5–23.7)	16.3 (13.6–19.1)	5.7	677	16.8 (16.0–17.6)	12.7 (11.8–13.6)	5.3	729	17.0 (16.3–17.8)	13.0 (12.1–13.8)	5.3
3-244	76	30.4 (25.2–35.6)	24.6 (21.1–28.2)	5.7	917	21.9 (21.0–22.9)	18.3 (17.3–19.3)	5.8	993	22.6 (21.6–23.6)	18.8 (17.8–19.7)	5.8
3-245	15	28.4 (16.0–40.8)	23.3 (10.4–36.2)	5.7	197	28.1 (23.4–32.8)	17.7 (14.9–20.5)	4.4	212	28.2 (23.7–32.6)	18.1 (15.3–20.9)	4.5
Missing or excluded	75				489				564			
All episodes	1,440	31.5 (30.0–33.0)	24.3 (23.2–25.3)	5.4	7,874	20.4 (20.1–20.8)	17.1 (16.7–17.4)	5.8	9,314	22.2 (21.8–22.6)	18.2 (17.9–18.5)	5.7

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