

Length of stay and functional improvement of completed episodes of rehabilitation in New Zealand, by impairment and age, AROC calendar year 2009

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	227	32.6 (29.1–36.1)	25.3 (22.6–27.9)	5.4	241	20.0 (17.9–22.1)	18.9 (16.8–21.1)	6.6	468	26.1 (24.0–28.2)	22.0 (20.3–23.7)	5.9
Brain	144	36.9 (31.7–42.1)	26.7 (22.6–30.8)	5.1	23	27.0 (19.5–34.6)	23.5 (17.6–29.5)	6.1	167	35.5 (30.9–40.2)	26.2 (22.6–29.9)	5.2
Neurological	81	23.7 (18.6–28.7)	12.7 (8.8–16.6)	3.8	30	22.4 (16.7–28.1)	14.1 (7.5–20.7)	4.4	111	23.3 (19.3–27.3)	13.1 (9.8–16.4)	3.9
Spinal cord	109	73.4 (62.1–84.6)	31.3 (27.3–35.3)	3.0	24	69.1 (48.8–89.5)	29.5 (21.8–37.1)	3.0	133	72.6 (62.7–82.5)	31.0 (27.4–34.5)	3.0
Amputee	28	26.3 (20.4–32.1)	11.6 (7.1–16.2)	3.1	13	29.3 (15.0–43.6)	14.5 (7.7–21.4)	3.5	41	27.2 (21.3–33.2)	12.6 (8.8–16.3)	3.2
Arthritis	3	n.a.	n.a.	n.a.	9	12.7 (8.2–17.1)	14.2 (7.1–21.3)	7.9	12	16.3 (9.8–22.7)	16.4 (10.2–22.7)	7.1
Pain	4	n.a.	n.a.	n.a.	37	18.9 (15.2–22.6)	12.6 (8.7–16.6)	4.7	41	19.7 (15.9–23.5)	12.1 (8.4–15.8)	4.3
Ortho - fractures	53	26.9 (19.5–34.4)	18.0 (14.1–21.8)	4.7	388	21.1 (19.8–22.4)	20.0 (18.6–21.3)	6.6	441	21.8 (20.3–23.3)	19.7 (18.5–21.0)	6.3
Ortho - replacements	12	23.9 (10.1–37.7)	17.6 (10.0–25.2)	5.1	33	13.8 (11.4–16.2)	17.7 (14.1–21.3)	9.0	45	16.5 (12.3–20.7)	17.7 (14.4–21.0)	7.5
Ortho - others	9	23.4 (14.5–32.4)	16.6 (10.2–22.9)	4.9	23	23.4 (15.5–31.4)	15.6 (10.0–21.2)	4.7	32	23.4 (17.3–29.6)	15.9 (11.5–20.2)	4.7
Cardiac	3	n.a.	n.a.	n.a.	30	19.5 (15.1–23.8)	11.2 (7.6–14.9)	4.0	33	18.6 (14.5–22.7)	11.4 (8.0–14.8)	4.3
Pulmonary	7	17.0 (5.2–28.8)	14.6 (4.7–24.5)	6.0	9	15.8 (10.1–21.5)	18.4 (6.7–30.2)	8.2	16	16.3 (10.5–22.1)	16.8 (9.0–24.5)	7.2
Burns	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.
Congenital deformity	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.
Other disabling imp.	21	26.5 (16.9–36.1)	18.0 (10.6–25.3)	4.7	55	22.0 (17.5–26.6)	9.7 (6.7–12.7)	3.1	76	23.3 (19.0–27.5)	12.0 (8.9–15.0)	3.6
Multiple trauma	43	39.2 (31.0–47.4)	31.3 (24.8–37.7)	5.6	4	n.a.	n.a.	n.a.	47	42.9 (34.2–51.6)	31.9 (26.0–37.9)	5.2
Developmental disabilities	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.
Re-conditioning	60	34.0 (26.3–41.8)	16.4 (12.3–20.5)	3.4	176	20.7 (18.7–22.7)	17.1 (14.9–19.2)	5.8	236	24.1 (21.5–26.7)	16.9 (15.0–18.8)	4.9
Missing or excluded	103				249				352			
All episodes	907	37.2 (34.7–39.7)	23.1 (21.7–24.6)	4.4	1,344	22.0 (20.9–23.1)	18.2 (17.3–19.1)	5.8	2,251	28.4 (27.1–29.7)	20.3 (19.5–21.1)	5.0

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

Length of stay and functional improvement of completed episodes of rehabilitation in New Zealand, by AN-SNAP class and age, AROC calendar year 2009 (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
S2-201	2	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	2	n.a.	n.a.	n.a.
S2-202	32	123.8 (97.6–149.9)	37.8 (25.0–50.5)	2.1	5	135.8 (99.1–172.5)	9.6 (1.2–18.0)	0.5	37	125.4 (102.3–148.5)	33.9 (22.5–45.4)	1.9
S2-203	10	45.5 (29.7–61.3)	29.5 (14.5–44.5)	4.5	16	30.3 (18.5–42.0)	26.9 (12.7–41.0)	6.2	26	36.1 (26.4–45.8)	27.9 (17.6–38.1)	5.4
S2-204	103	17.2 (13.7–20.6)	10.8 (9.1–12.5)	4.4	95	10.8 (8.8–12.9)	9.0 (7.6–10.3)	5.8	198	14.1 (12.1–16.2)	9.9 (8.8–11.0)	4.9
S2-205	10	27.6 (18.4–36.8)	16.2 (10.4–22.0)	4.1	6	13.8 (7.3–20.4)	13.5 (7.8–19.2)	6.8	16	22.4 (15.5–29.4)	15.2 (11.1–19.3)	4.7
S2-206	32	28.3 (23.2–33.4)	29.6 (25.8–33.4)	7.3	56	18.0 (15.3–20.7)	18.7 (16.1–21.2)	7.2	88	21.8 (19.1–24.5)	22.6 (20.2–25.0)	7.3
S2-207	2	n.a.	n.a.	n.a.	5	15.6 (8.7–22.5)	19.2 (-2.0–40.4)	8.6	7	27.4 (11.0–43.8)	26.6 (9.2–44.0)	6.8
S2-208	0	n.a.	n.a.	n.a.	47	30.9 (25.7–36.0)	29.5 (24.5–34.5)	6.7	47	30.9 (25.7–36.0)	29.5 (24.5–34.5)	6.7
S2-209	71	55.3 (48.7–61.8)	44.1 (39.8–48.5)	5.6	25	36.6 (27.9–45.3)	32.2 (22.4–41.9)	6.2	96	50.4 (44.9–55.9)	41.0 (36.8–45.2)	5.7
S2-210	14	11.5 (8.7–14.3)	7.1 (3.1–11.1)	4.3	1	n.a.	n.a.	n.a.	15	11.3 (8.7–13.9)	7.3 (3.5–11.0)	4.5
S2-211	43	21.8 (16.6–27.0)	11.5 (8.7–14.3)	3.7	6	15.8 (9.9–21.8)	14.7 (7.5–21.8)	6.5	49	21.1 (16.4–25.7)	11.9 (9.3–14.4)	3.9
S2-212	13	25.2 (16.9–33.5)	19.0 (13.5–24.5)	5.3	2	n.a.	n.a.	n.a.	15	25.3 (17.7–32.8)	20.9 (15.2–26.5)	5.8
S2-213	29	38.1 (30.6–45.5)	24.9 (18.9–30.9)	4.6	3	n.a.	n.a.	n.a.	32	37.2 (30.4–44.1)	24.8 (19.3–30.2)	4.7
S2-214	28	44.3 (31.6–57.0)	40.1 (32.9–47.3)	6.3	5	29.4 (15.8–43.0)	36.2 (22.3–50.1)	8.6	33	42.0 (30.9–53.1)	39.5 (33.1–45.9)	6.6
S2-215	9	84.8 (65.2–104.4)	51.8 (30.4–73.1)	4.3	6	39.0 (16.8–61.2)	21.0 (7.9–34.1)	3.8	15	66.5 (48.0–84.9)	39.5 (23.9–55.1)	4.2
S2-216	48	16.4 (13.1–19.6)	6.6 (4.8–8.5)	2.8	10	16.7 (9.7–23.7)	9.0 (3.6–14.4)	3.8	58	16.4 (13.5–19.3)	7.1 (5.3–8.8)	3.0
S2-217	11	22.8 (13.2–32.4)	13.5 (0.7–26.4)	4.2	6	22.2 (14.7–29.6)	5.2 (-5.7–16.1)	1.6	17	22.6 (16.0–29.2)	10.6 (1.4–19.7)	3.3
S2-218	18	38.6 (22.9–54.2)	27.3 (16.1–38.4)	5.0	11	24.5 (13.3–35.6)	26.5 (12.7–40.4)	7.6	29	33.2 (22.5–44.0)	27.0 (18.5–35.5)	5.7
S2-219	1	n.a.	n.a.	n.a.	3	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.
S2-220	5	21.2 (9.3–33.1)	4.6 (1.7–7.5)	1.5	0	n.a.	n.a.	n.a.	5	21.2 (9.3–33.1)	4.6 (1.7–7.5)	1.5
S2-221	30	31.9 (25.2–38.6)	20.5 (16.1–24.9)	4.5	6	32.8 (10.7–55.0)	20.7 (12.8–28.5)	4.4	36	32.1 (25.5–38.6)	20.5 (16.7–24.4)	4.5
S2-222	36	76.8 (63.0–90.6)	38.2 (32.2–44.2)	3.5	13	60.2 (39.4–81.0)	41.2 (32.0–50.3)	4.8	49	72.4 (60.8–84.0)	39.0 (34.0–44.0)	3.8
S2-223	17	67.5 (55.1–79.8)	54.2 (49.2–59.2)	5.6	0	n.a.	n.a.	n.a.	17	67.5 (55.1–79.8)	54.2 (49.2–59.2)	5.6

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

Length of stay and functional improvement of completed episodes of rehabilitation in New Zealand, by AN-SNAP class and age, AROC calendar year 2009 (2/2)

AN-SNAP class	Aged under 65			Aged 65 and over			New Zealand National					
	No.	Length of stay	FIM change	FIM gain per week	No.	Length of stay	FIM change	FIM gain per week	No.	Length of stay	FIM change	FIM gain per week
		Mean (95%CI)	Mean (95%CI)			Mean (95%CI)	Mean (95%CI)			Mean (95%CI)		
S2-224	8	16.8 (8.4–25.1)	4.9 (2.7–7.0)	2.0	1	n.a.	n.a.	n.a.	9	15.8 (8.2–23.4)	4.3 (2.2–6.5)	1.9
S2-225	20	30.1 (23.1–37.0)	14.4 (8.3–20.4)	3.3	12	31.1 (16.0–46.1)	15.8 (8.8–22.7)	3.5	32	30.4 (23.5–37.4)	14.9 (10.4–19.4)	3.4
S2-226	4	n.a.	n.a.	n.a.	37	18.9 (15.2–22.6)	12.6 (8.7–16.6)	4.7	41	19.7 (15.9–23.5)	12.1 (8.4–15.8)	4.3
S2-227	27	15.9 (11.0–20.7)	10.3 (7.3–13.4)	4.6	137	13.7 (12.4–15.0)	12.9 (11.7–14.1)	6.6	164	14.1 (12.7–15.4)	12.5 (11.4–13.6)	6.2
S2-228	6	22.8 (9.0–36.7)	21.2 (13.6–28.7)	6.5	86	22.7 (19.9–25.5)	21.6 (19.7–23.5)	6.7	92	22.7 (20.0–25.5)	21.6 (19.7–23.4)	6.6
S2-229	16	32.1 (22.2–42.0)	30.9 (23.0–38.8)	6.7	116	27.8 (25.3–30.3)	27.6 (24.8–30.3)	6.9	132	28.3 (25.9–30.8)	28.0 (25.4–30.6)	6.9
S2-230	3	n.a.	n.a.	n.a.	42	24.6 (19.9–29.2)	20.9 (15.0–26.9)	5.9	45	27.8 (21.1–34.4)	20.5 (14.9–26.1)	5.2
S2-231	5	5.8 (1.1–10.5)	6.8 (2.7–10.9)	8.2	6	11.0 (5.8–16.2)	7.5 (3.4–11.6)	4.8	11	8.6 (4.9–12.4)	7.2 (4.4–10.0)	5.8
S2-232	3	n.a.	n.a.	n.a.	22	12.0 (10.0–14.1)	17.2 (13.6–20.9)	10.0	25	13.2 (11.0–15.4)	17.3 (13.9–20.6)	9.1
S2-233	4	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.	8	35.5 (19.3–51.7)	31.3 (24.8–37.7)	6.2
S2-234	2	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.	6	12.3 (7.6–17.1)	3.8 (2.5–5.2)	2.2
S2-235	3	n.a.	n.a.	n.a.	9	16.3 (11.4–21.2)	14.8 (10.2–19.3)	6.3	12	16.1 (11.8–20.3)	15.3 (11.8–18.7)	6.6
S2-236	4	n.a.	n.a.	n.a.	10	34.9 (19.7–50.1)	21.4 (10.7–32.1)	4.3	14	34.5 (23.3–45.7)	21.6 (13.5–29.6)	4.4
S2-237	3	n.a.	n.a.	n.a.	30	19.5 (15.1–23.8)	11.2 (7.6–14.9)	4.0	33	18.6 (14.5–22.7)	11.4 (8.0–14.8)	4.3
S2-238	9	14.9 (11.2–18.6)	10.4 (6.1–14.7)	4.9	0	n.a.	n.a.	n.a.	9	14.9 (11.2–18.6)	10.4 (6.1–14.7)	4.9
S2-239	21	34.9 (25.9–43.9)	26.2 (21.2–31.2)	5.3	1	n.a.	n.a.	n.a.	22	36.9 (27.4–46.4)	26.7 (21.8–31.6)	5.1
S2-240	9	62.9 (45.7–80.1)	45.0 (37.0–53.0)	5.0	2	n.a.	n.a.	n.a.	11	66.8 (47.9–85.8)	43.6 (36.9–50.4)	4.6
S2-241	3	n.a.	n.a.	n.a.	1	n.a.	n.a.	n.a.	4	n.a.	n.a.	n.a.
S2-242	37	21.3 (17.7–24.9)	8.4 (6.1–10.7)	2.8	75	16.2 (12.9–19.5)	7.8 (6.0–9.6)	3.4	112	17.9 (15.4–20.4)	8.0 (6.6–9.4)	3.1
S2-243	20	22.3 (15.5–29.1)	17.8 (13.1–22.5)	5.6	65	18.2 (15.6–20.8)	15.5 (13.4–17.7)	6.0	85	19.2 (16.6–21.7)	16.1 (14.1–18.0)	5.9
S2-244	24	50.1 (32.5–67.8)	28.6 (20.7–36.4)	4.0	91	23.5 (21.0–26.0)	19.6 (16.6–22.7)	5.8	115	29.1 (24.5–33.7)	21.5 (18.5–24.5)	5.2
S2-245	9	35.4 (24.5–46.4)	19.3 (4.9–33.8)	3.8	17	28.1 (21.1–35.2)	23.6 (11.2–36.0)	5.9	26	30.7 (24.7–36.6)	22.1 (12.7–31.5)	5.1
Missing or excluded	103				249				352			
All episodes	907	37.2 (34.7–39.7)	23.1 (21.7–24.6)	4.4	1,344	22.0 (20.9–23.1)	18.2 (17.3–19.1)	5.8	2,251	28.4 (27.1–29.7)	20.3 (19.5–21.1)	5.0

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