

Brain Dysfunction LOS and FIM Change Benchmarks in Australia and New Zealand, Calendar Year 2014



AN-SNAP class	Specialist Brain Units				Non Specialist Brain Units				All AROC Facilities			
	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)	Mean (95%CI)	
Traumatic episodes												
3-202	46	120.7 (95.6 - 145.7)	63.7 (38.7 - 88.7)	3.7	21	135.1 (92.5 - 177.7)	47.0 (4.4 - 89.7)	2.4	67	125.2 (103.5 - 146.8)	58.5 (36.8 - 80.1)	3.3
3-210	33	13.8 (9.2 - 18.3)	11.2 (6.6 - 15.7)	5.7	85	12.8 (11.2 - 14.4)	13.1 (11.5 - 14.7)	7.1	118	13.1 (11.4 - 14.8)	12.5 (10.8 - 14.2)	6.7
3-211	186	18.8 (16.9 - 20.6)	16.1 (14.3 - 18.0)	6.0	148	15.9 (14.3 - 17.5)	14.6 (13.0 - 16.3)	6.4	334	17.5 (16.2 - 18.8)	15.5 (14.2 - 16.7)	6.2
3-212	69	25.2 (20.6 - 29.9)	20.0 (15.3 - 24.6)	5.5	50	19.6 (15.8 - 23.4)	19.7 (15.9 - 23.5)	7.1	119	22.9 (19.7 - 26.0)	19.9 (16.7 - 23.0)	6.1
3-213	92	38.7 (31.4 - 46.0)	27.6 (20.3 - 34.9)	5.0	34	23.3 (16.4 - 30.2)	20.7 (13.8 - 27.6)	6.2	126	34.6 (28.8 - 40.3)	25.7 (20.0 - 31.5)	5.2
3-214	107	42.3 (36.9 - 47.7)	48.3 (42.9 - 53.7)	8.0	149	28.7 (25.2 - 32.2)	27.8 (24.3 - 31.3)	6.8	256	34.4 (31.2 - 37.5)	36.4 (33.2 - 39.5)	7.4
3-215	36	95.1 (69.5 - 120.6)	62.2 (36.6 - 87.8)	4.6	36	46.1 (32.5 - 59.7)	31.8 (18.2 - 45.4)	4.8	72	70.6 (55.1 - 86.0)	47.0 (31.6 - 62.4)	4.7
3-238	37	16.9 (13.6 - 20.2)	10.4 (7.0 - 13.7)	4.3	21	14.2 (10.4 - 18.0)	8.3 (4.5 - 12.1)	4.1	58	15.9 (13.4 - 18.5)	9.6 (7.1 - 12.2)	4.2
3-239	101	26.2 (23.2 - 29.1)	26.8 (23.9 - 29.7)	7.2	45	22.6 (18.6 - 26.5)	23.8 (19.9 - 27.7)	7.4	146	25.0 (22.7 - 27.4)	25.9 (23.5 - 28.2)	7.2
3-240	70	52.4 (44.6 - 60.2)	52.1 (44.3 - 59.9)	7.0	37	46.4 (34.3 - 58.4)	41.4 (29.3 - 53.4)	6.2	107	50.3 (43.7 - 56.9)	48.4 (41.8 - 55.0)	6.7
3-241	35	75.7 (61.0 - 90.5)	68.3 (53.5 - 83.0)	6.3	9	79.4 (51.2 - 107.7)	57.1 (28.8 - 85.4)	5.0	44	76.5 (63.5 - 89.5)	66.0 (53.0 - 79.0)	6.0
Total episodes	812				635				1,447			
Non-Traumatic episodes												
3-202	15	105.7 (75.5 - 135.9)	42.6 (12.4 - 72.8)	2.8	28	66.1 (36.6 - 95.7)	21.4 (-8.2 - 51.0)	2.3	43	80.0 (57.6 - 102.3)	28.8 (6.4 - 51.2)	2.5
3-210	42	12.6 (10.2 - 15.1)	13.5 (11.1 - 16.0)	7.5	202	14.0 (12.9 - 15.1)	12.5 (11.4 - 13.6)	6.2	244	13.8 (12.8 - 14.8)	12.7 (11.7 - 13.7)	6.4
3-211	87	18.6 (16.0 - 21.2)	15.5 (12.9 - 18.1)	5.8	275	16.0 (14.8 - 17.2)	15.1 (13.9 - 16.4)	6.6	362	16.6 (15.5 - 17.7)	15.2 (14.1 - 16.4)	6.4
3-212	37	24.5 (19.8 - 29.2)	15.1 (10.4 - 19.8)	4.3	74	19.2 (17.0 - 21.5)	16.9 (14.6 - 19.2)	6.1	111	21.0 (18.8 - 23.2)	16.3 (14.1 - 18.5)	5.4
3-213	40	36.2 (26.1 - 46.3)	23.2 (13.1 - 33.3)	4.5	71	24.9 (20.3 - 29.4)	18.2 (13.6 - 22.7)	5.1	111	28.9 (24.2 - 33.7)	20.0 (15.2 - 24.7)	4.8
3-214	80	46.1 (35.5 - 56.7)	38.6 (28.0 - 49.2)	5.9	328	29.7 (26.2 - 33.2)	27.7 (24.2 - 31.2)	6.5	408	32.9 (29.4 - 36.5)	29.8 (26.3 - 33.4)	6.3
3-215	30	97.5 (75.3 - 119.6)	56.6 (34.4 - 78.8)	4.1	82	40.3 (33.4 - 47.2)	30.8 (23.9 - 37.7)	5.4	112	55.6 (46.6 - 64.7)	37.7 (28.7 - 46.8)	4.8
Total episodes	331				1,060				1,391			

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 classes for Brain Dysfunction

Class	Description of AN-SNAP class
3-202	Brain, Neurological, Spinal & Major Multiple Trauma, FIM 13
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
3-238	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

All Brain Dysfunction impairment codes

Non-traumatic brain dysfunction
2.11 Sub-arachnoid haemorrhage
2.12 Anoxic brain damage
2.13 Other non-traumatic brain dysfunction
Traumatic brain dysfunction
2.21 Open injury
2.22 Closed injury
Major Multiple Trauma
14.1 Brain + spinal cord injury
14.2 Brain + multiple fracture/amputation