

Spinal Cord Dysfunction LOS and FIM Change Benchmarks in Australia & New Zealand, Calendar Year 2014



AN-SNAP class	Specialist Spinal Units				Non Specialist Spinal Units				All AROC Facilities			
	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
Traumatic episodes												
3-202	67	133.7 (115.6 - 151.8)	22.4 (4.3 - 40.5)	1.2	5	64.2 (18.1 - 110.3)	17.8 (-28.3 - 63.9)	1.9	72	128.8 (111.3 - 146.4)	22.1 (4.5 - 39.6)	1.2
3-220	8	16.4 (12.0 - 20.7)	2.9 (-1.5 - 7.2)	1.2	2	n.a	n.a	n.a	10	16.0 (12.4 - 19.6)	2.3 (-1.3 - 5.9)	1.0
3-221	57	31.1 (26.0 - 36.3)	15.9 (10.8 - 21.1)	3.6	33	19.8 (14.2 - 25.5)	14.7 (9.0 - 20.3)	5.2	90	27.0 (23.0 - 31.0)	15.5 (11.5 - 19.4)	4.0
3-222	86	76.7 (65.6 - 87.8)	35.6 (24.6 - 46.7)	3.3	25	47.1 (34.4 - 59.8)	27.0 (14.3 - 39.7)	4.0	111	70.0 (60.7 - 79.4)	33.7 (24.3 - 43.0)	3.4
3-223	50	95.9 (80.1 - 111.7)	40.6 (24.8 - 56.4)	3.0	4	n.a	n.a	n.a	54	91.6 (76.1 - 107.2)	38.0 (22.5 - 53.6)	2.9
3-238	4	n.a	n.a	n.a	6	10.3 (5.0 - 15.6)	12.8 (7.5 - 18.1)	8.7	10	19.3 (8.3 - 30.3)	8.8 (-2.2 - 19.8)	3.2
3-239	2	n.a	n.a	n.a	19	22.1 (15.5 - 28.7)	19.1 (12.4 - 25.7)	6.0	21	23.2 (16.7 - 29.8)	20.1 (13.6 - 26.7)	6.1
3-240	13	93.8 (60.2 - 127.3)	30.5 (-3.0 - 64.1)	2.3	11	27.5 (12.8 - 42.3)	23.9 (9.2 - 38.6)	6.1	24	63.4 (40.1 - 86.7)	27.5 (4.2 - 50.8)	3.0
3-241	2	n.a	n.a	n.a	4	n.a	n.a	n.a	6	71.2 (34.8 - 107.5)	53.0 (16.7 - 89.3)	5.2
Total episodes	289				109				398			
Non-Traumatic episodes												
3-202	16	157.6 (114.0 - 201.2)	42.3 (-1.3 - 85.9)	1.9	4	n.a n.a	n.a n.a	n.a	20	130.7 (88.6 - 172.7)	35.5 (-6.5 - 77.5)	1.9
3-220	10	43.0 (8.8 - 77.2)	2.5 (-31.7 - 36.7)	0.4	5	9.2 (5.4 - 13.0)	3.0 (-0.8 - 6.8)	2.3	15	31.7 (7.8 - 55.7)	2.7 (-21.3 - 26.6)	0.6
3-221	82	33.0 (27.7 - 38.2)	16.0 (10.7 - 21.2)	3.4	160	18.8 (16.9 - 20.8)	16.5 (14.5 - 18.4)	6.1	242	23.6 (21.3 - 26.0)	16.3 (13.9 - 18.6)	4.8
3-222	135	90.6 (79.9 - 101.4)	33.4 (22.7 - 44.2)	2.6	118	44.6 (38.4 - 50.9)	25.0 (18.8 - 31.3)	3.9	253	69.2 (62.2 - 76.2)	29.5 (22.5 - 36.5)	3.0
3-223	10	99.6 (36.0 - 163.2)	41.1 (-22.5 - 104.7)	2.9	2	n.a n.a	n.a n.a	n.a	12	95.4 (41.9 - 149.0)	40.7 (-12.9 - 94.2)	3.0
Total episodes	253				289				542			

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 Spinal Cord Dysfunction

Class	Description of AN-SNAP class
3-202	Brain, Neurological, Spinal & Major Multiple Trauma, FIM 13
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
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 Spinal Cord Dysfunction impairment codes

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

Major Multiple Trauma

- 14.1 Brain + spinal cord injury
- 14.3 Spinal cord + multi fracture/amputation

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