

Appendix 2. Treatment completion by age, sex, state, prescriber type and treatment duration in Australia and stratified by remoteness classification

	Major cities			Inner regional			Outer regional			Remote			Very remote		
	No. (%) adherent	OR (95% CI)	P-value	No. (%) adherent	OR (95% CI)	P-value	No. (%) adherent	OR (95% CI)	P-value	No. (%) adherent	OR (95% CI)	P-value	No. (%) adherent	OR (95% CI)	P-value
Age (years)															
0–19	93 (72.1)	0.36 (0.24, 0.54)	<0.005	34 (66.7)	0.24 (0.13, 0.45)	<0.005	9 (75)	0.51 (0.14, 1.93)	0.322	*	*	*	*	*	*
20–29	1871 (72.5)	0.38 (0.34, 0.42)	<0.005	871 (70.5)	0.33 (0.28, 0.39)	<0.005	315 (71.4)	0.4 (0.31, 0.51)	<0.005	39 (72.2)	0.46 (0.21, 0.21)	0.051	11 (64.7)	0.89 (0.26, 3.03)	0.850
30–39	7058 (82.6)	0.65 (0.6, 0.7)	<0.005	2238 (80.1)	0.5 (0.43, 0.57)	<0.005	911 (78.2)	0.54 (0.45, 0.66)	<0.005	93 (81.6)	0.73 (0.37, 1.45)	0.368	22 (56.4)	0.45 (0.18, 1.13)	0.088
40–49	10,418 (85.3)	0.79 (0.73, 0.85)	<0.005	3377 (85.7)	0.73 (0.64, 0.83)	<0.005	1328 (83.4)	0.74 (0.61, 0.89)	<0.005	118 (84.3)	Comparator	Comparator	50 (75.8)	1.19 (0.53, 2.66)	0.670
50–59	13,097 (88.7)	Comparator	Comparator	4497 (89.9)	Comparator	Comparator	1957 (87.7)	Comparator	Comparator	150 (86.2)	0.89 (0.46, 1.71)	0.723	69 (77.5)	Comparator	Comparator
60+	7087 (89.9)	1.11 (1.01, 1.21)	0.026	2205 (90.6)	1.09 (0.92, 1.29)	0.304	969 (89.1)	1.16 (0.92, 1.46)	0.218	90 (92.8)	2.42 (0.97, 6.08)	0.059	38 (84.4)	1.9 (0.71, 5.07)	0.203
Sex															
Male	26,325 (85.3)	Comparator	Comparator	8918 (84.5)	Comparator	Comparator	3773 (83.9)	Comparator	Comparator	332 (84.9)	Comparator	Comparator	140 (75.7)	Comparator	Comparator
Female	13,299 (87.2)	1.1 (1.04, 1.16)	<0.005	4304 (87.7)	1.16 (1.05, 1.29)	0.005	1716 (84.4)	0.98 (0.85, 1.14)	0.791	159 (84.1)	0.9 (0.54, 1.49)	0.68	51 (70.8)	0.84 (0.43, 1.63)	0.604
State															
NSW	13,410 (87)	Comparator	Comparator	5526 (87.1)	Comparator	Comparator	1321 (84)	1.19 (0.99, 1.43)	0.06	90 (82.6)	1.54 (0.75, 3.15)	0.239	*	*	*
WA	3547 (83)	0.85 (0.77, 0.93)	<0.005	444 (80.3)	0.59 (0.47, 0.74)	<0.005	504 (80.6)	1.02 (0.81, 1.3)	0.847	115 (85.2)	1.28 (0.66, 2.46)	0.468	89 (79.5)	Comparator	Comparator
Qld	7176 (82.8)	0.81 (0.75, 0.87)	<0.005	2748 (80.2)	0.66 (0.59, 0.74)	<0.005	1666 (82.8)	Comparator	Comparator	45 (77.6)	0.66 (0.29, 1.48)	0.308	76 (71)	0.62 (0.31, 1.23)	0.172
NT	*	*	*	*	**	*	341 (88.3)	1.58 (1.12, 2.23)	0.009	91 (94.8)	2.76 (0.99, 7.68)	0.052	25 (67.6)	0.57 (0.23, 1.43)	0.230
SA	2666 (85.8)	0.87 (0.78, 0.97)	0.015	289 (88.4)	0.87 (0.61, 1.24)	0.435	494 (83.6)	1.14 (0.88, 1.47)	0.319	150 (82.4)	Comparator	Comparator	#	#	#
Vic	11,901 (87.4)	1.05 (0.98, 1.13)	0.181	3131 (87.2)	0.97 (0.85, 1.1)	0.613	704 (87)	1.52 (1.19, 1.94)	<0.005	*	**	*	#	#	#
Tas	*	*	*	1084 (88.7)	1.26 (1.04, 1.54)	0.021	459 (88.6)	1.63 (1.21, 2.21)	<0.005	*	**	*	#	#	#
ACT	924 (89.1)	1.22 (0.99, 1.49)	0.063	*	**	*	*	*	*	*	**	*	#	#	#
Prescriber															
Specialist	21,431 (88.4)	Comparator	Comparator	6701 (88.1)	Comparator	Comparator	2508 (86.7)	Comparator	Comparator	139 (82.2)	0.63 (0.36, 1.09)	0.099	82 (81.2)	Comparator	Comparator
GP	11,747 (81.8)	0.74 (0.69, 0.78)	<0.005	4429 (83.3)	0.8 (0.72, 0.89)	<0.005	2002 (80.9)	0.72 (0.62, 0.85)	<0.005	250 (86.2)	Comparator	Comparator	56 (66.7)	0.47 (0.22, 0.97)	0.042
Unknown	91 (91.9)	1.63 (0.78, 3.4)	0.194	33 (100)	*	*	18 (100)	*	*	*	*	*	*	*	*
Other health practitioner	6355 (85.8)	0.93 (0.86, 1)	0.065	2059 (82.1)	0.79 (0.69, 0.9)	<0.005	961 (84.2)	0.85 (0.7, 1.03)	0.099	102 (84.3)	0.93 (0.5, 1.73)	0.808	53 (73.6)	0.63 (0.28, 1.42)	0.265
Treatment duration (weeks)															
8	3732 (81.8)	0.96 (0.88, 1.05)	0.416	1525 (78.3)	0.78 (0.68, 0.89)	<0.005	733 (81.4)	0.97 (0.8, 1.18)	0.761	56 (76.7)	0.71 (0.36, 1.4)	0.326	16 (64)	1.12 (0.4, 3.16)	0.828
12	32,255 (87.1)	Comparator	Comparator	10,455 (87.2)	Comparator	Comparator	4295 (85.1)	Comparator	Comparator	404 (86.9)	Comparator	Comparator	149 (73.8)	Comparator	Comparator
16	74 (55.6)	0.22 (0.16, 0.32)	<0.005	22 (57.9)	0.23 (0.12, 0.46)	<0.005	3 (27.3)	0.09 (0.02, 0.34)	<0.005	3 (60)	0.13 (0.02, 0.92)	0.041	*	*	*
24	3563 (81.5)	0.36 (0.33, 0.39)	<0.005	1220 (82.4)	0.33 (0.28, 0.39)	<0.005	458 (80.1)	0.38 (0.3, 0.48)	<0.005	28 (75.7)	0.33 (0.14, 0.78)	0.011	26 (86.7)	1.48 (0.45, 4.82)	0.519
Time period															
Mar – June 2016	10,587 (92.2)	Comparator	Comparator	2889 (91.3)	Comparator	Comparator	1429 (90.7)	Comparator	Comparator	90 (90)	Comparator	Comparator	50 (83.3)	Comparator	Comparator
July – Dec 2016	8099 (88.5)	0.66 (0.6, 0.73)	<0.005	2967 (90)	1.2 (1.01, 1.43)	0.039	1136 (88)	0.76 (0.6, 0.97)	0.03	112 (85.5)	1.57 (0.67, 3.66)	0.299	40 (81.6)	1.21 (0.41, 3.51)	0.730
Jan – June 2017	5744 (84.7)	0.48 (0.44, 0.53)	<0.005	2121 (87.5)	0.85 (0.71, 1)	0.052	847 (82.8)	0.52 (0.41, 0.67)	<0.005	83 (90.2)	1.61 (0.68, 3.83)	0.283	29 (80.6)	1.03 (0.34, 3.17)	0.953
July – Dec 2017	5792 (85.8)	0.5 (0.45, 0.56)	<0.005	1948 (85.8)	0.7 (0.59, 0.83)	<0.005	756 (84.6)	0.58 (0.44, 0.75)	<0.005	77 (78.6)	0.57 (0.28, 1.17)	0.124	28 (70)	0.59 (0.21, 1.66)	0.315
Jan – June 2018	4052 (81.9)	0.38 (0.34, 0.42)	<0.005	1455 (81.7)	0.51 (0.43, 0.6)	<0.005	594 (77)	0.35 (0.27, 0.46)	<0.005	65 (90.3)	1.6 (0.62, 4.15)	0.334	25 (65.8)	0.58 (0.2, 1.67)	0.310
July – Dec 2018	3719 (76.7)	0.28 (0.25, 0.31)	<0.005	1237 (71.2)	0.3 (0.26, 0.35)	<0.005	487 (73.8)	0.31 (0.24, 0.4)	<0.005	40 (71.4)	0.48 (0.21, 1.06)	0.069	14 (56)	0.44 (0.14, 1.41)	0.167
Jan – June 2019	1631 (75.8)	0.26 (0.23, 0.3)	<0.005	605 (77.2)	0.44 (0.35, 0.54)	<0.005	240 (76.2)	0.34 (0.25, 0.48)	<0.005	24 (77.4)	0.66 (0.23, 1.88)	0.437	5 (55.6)	0.39 (0.08, 1.99)	0.258

*Data suppressed where the number of patients was less than six. Totals may not add up due to this inclusion.

#Data not reported because these states or territories do not contain very remote regions.

ACT, Australian Capital Territory; CI, confidence interval; GP, general practitioner; NSW, New South Wales; NT, Northern Territory; OR, odds ratio; Qld, Queensland; SA, South Australia; Tas, Tasmania; Vic, Victoria; WA, Western Australia.