



Appendix 4

This appendix was part of the submitted manuscript and has been peer reviewed. It is posted as supplied by the authors.

Appendix to: Reekie JM, Levy MH, Richards AH, et al. Trends in prevalence of HIV infection, hepatitis B and hepatitis C among Australian prisoners — 2004, 2007, 2010. *Med J Aust* 2014; 200: 277-280. doi: 10.5694/mja13.11062.

Table 4 Factors associated with testing positive Hepatitis C antibody (anti-HCV)

		N	Anti-HCV Prevalence	Univariate			Multivariate		
				IRR	95% CI	P-value	IRR	95% CI	P-value
Year	2004	440	34.3	1.00			1.00		
	2007	437	33.2	0.97	0.77-1.21	0.77	0.98	0.78-1.24	0.86
	2010	516	23.1	0.67	0.53-0.85	0.001	1.00	0.78-1.28	0.99
Sex	Male	1276	28.1	1.00			1.00		
	Female	117	48.7	1.74	1.31-2.30	<0.001	1.33	1.00-1.77	0.05
Age	<25	420	16.2	1.00			1.00		
	≥25	973	35.7	2.20	1.70-2.86	<0.001	1.56	1.19-2.04	0.001
Indigenous status	No	1073	29.0	1.00					
	Yes	320	32.5	1.12	0.90-1.40	0.31			
Region of Birth	Australia	1166	31.5	1.00					
	Oceania	71	16.9	0.54	0.30-0.95	0.03			
	Asia	61	34.4	1.09	0.70-1.70	0.69			
	Other/unknown	95	15.8	0.50	0.30-0.84	0.008			
Ever injected drugs	No	673	2.2	1.00			1.00		
	Yes, but not in last month	302	47.5	21.24	12.48-36.16	<0.001	16.29	9.50-27.93	<0.001
	Yes, in last month	336	59.8	26.84	15.88-45.35	<0.001	19.87	11.62-33.94	<0.001
	Yes, shared needles in last month	82	68.3	30.64	17.33-54.17	<0.001	22.13	12.34-39.61	<0.001
Sexual identity	Heterosexual	1352	29.4	1.00					
	Homosexual/bisexual/unsure	32	43.8	1.49	0.87-2.54	0.14			
	Missing	9	44.4	1.51	0.57-4.05	0.40			

Accessibility/Remoteness Index of Australia (ARIA)	Highly accessible	1113	32.4	1.00			1.00		
	Not highly accessible	223	15.3	0.47	0.33-0.67	<0.001	0.64	0.44-0.91	0.01
	Missing	57	36.8	1.14	0.73-1.77	0.56	1.28	0.82-2.01	0.28
Tattoos	No	504	18.5	1.00					
	Yes	876	36.5	1.98	1.57-2.49	<0.001			
	Missing	13	15.4	0.83	0.21-3.38	0.79			
Number of times in prison	First	512	10.6	1.00			1.00		
	2-4	550	31.8	3.02	2.22-4.09	<0.001	1.67	1.21-2.28	0.001
	5-9	192	55.7	5.28	3.81-7.33	<0.001	2.00	1.42-2.81	<0.001
	>10	102	67.7	6.41	4.49-9.16	<0.001	2.15	1.48-3.11	<0.001
	Missing	37	27.0	2.56	1.31-5.03	0.006	1.75	0.88-3.50	0.11
State	NSW	593	35.6	1.00			1.00		
	Queensland	452	27.0	0.76	0.61-0.94	0.01	0.85	0.67-1.06	0.15
	Tasmania	80	31.2	0.87	0.58-1.33	0.53	0.94	0.61-1.43	0.76
	WA	268	21.3	0.60	0.45-0.80	<0.001	0.64	0.47-0.86	0.003