



### Appendix 3

**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 3 Factors associated with testing positive for hepatitis B core-antibody (anti-HBc)**

		N	Anti-HBc Prevalence	IRR	Univariate 95% CI	P-value	IRR	Multivariate 95% CI	P-value
Year	2004	433	19.6	1.00			1.00		
	2007	441	20.6	1.05	0.78-1.41	0.74	0.98	0.73-1.33	0.90
	2010	411	17.8	0.90	0.66-1.24	0.53	0.95	0.69-1.31	0.75
Sex	Male	1198	19.0	1.00					
	Female	87	25.3	1.33	0.86-2.07	0.19			
Age	<25	388	7.5	1.00			1.00		
	≥25	897	24.5	3.28	2.23-4.83	<0.001	2.85	1.92-4.23	<0.001
Indigenous status	No	1000	16.5	1.00			1.00		
	Yes	285	29.5	1.79	1.37-2.32	<0.001	1.80	1.33-2.42	<0.001
Region of Birth	Australia	1075	18.2	1.00			1.00		
	Oceania	62	29.0	1.59	0.98-2.58	0.05	2.53	1.53-4.19	<0.001
	Asia	58	34.5	1.89	1.19-3.00	0.006	2.65	1.63-4.32	<0.001
	Other/unknown	90	16.7	0.91	0.54-1.55	0.73	1.15	0.67-1.99	0.61
Ever injected drugs	No	606	12.7	1.00			1.00		
	Yes	679	25.3	1.99	0.52-2.61	<0.001	1.69	1.25-2.27	<0.001
Sexual identity	Heterosexual	1253	19.4	1.00					
	Homosexual/bisexual/unsure	25	20.0	1.03	0.43-2.50	0.94			
	Missing	7	14.3	0.74	0.10-5.25	0.76			
Accessibility/Remoteness Index of Australia (ARIA)	Highly accessible	1046	18.1	1.00			1.00		
	Not highly accessible	185	23.2	1.29	0.92-1.79	0.13	1.34	0.93-1.93	0.11
	Missing	54	31.5	1.74	1.06-2.86	0.02	1.74	1.04-2.92	0.03

Tattoos	No	466	16.3	1.00					
	Yes	807	21.0	1.28	0.98-1.68	0.07			
	Missing	12	33.3	2.04	0.75-5.59	0.16			
Number of times in prison	First	444	11.5	1.00			1.00		
	2-4	532	19.9	1.74	1.24-2.42	0.001	1.58	1.11-2.25	0.01
	5-9	180	30.6	2.66	1.82-3.89	<0.001	1.83	1.20-2.77	0.004
	>10	94	29.8	2.59	1.64-4.11	<0.001	1.72	1.05-2.83	0.03
	Missing	35	25.7	2.24	1.10-4.55	0.02	1.75	0.84-3.67	0.13
State	NSW	591	23.4	1.00			1.00		
	Queensland	347	12.4	0.53	0.37-0.75	<0.001	0.54	0.38-0.77	<0.001
	Tasmania	81	17.3	0.74	0.43-1.28	0.28	0.73	0.41-1.30	0.28
	WA	266	20.3	0.87	0.63-1.19	0.38	0.85	0.61-1.19	0.35