

Table 4 Multivariate analysis of risk factors associated with hepatitis C virus seropositivity among health-care workers (HCWs) enrolled in the prevalence study

Variable	Age-adjusted univariate analysis			Multivariate analysis (final model)		
	OR	95% CI	P-value	OR	95% CI	P-value
<i>Age per year</i>	1.07	1.06-1.09	< 0.001	1.07	1.05-1.09	< 0.001
Sex^a						
Female	1	-	0.098	1	-	0.972
Male	1.38	0.94-2.02		1.01	0.62-1.64	
Occupation						
Doctor ^b	1	-	< 0.001	1	-	0.006
Physician-in-training	2.18	0.38-12.5		2.09	0.36-12.2	
Nurse ^c	2.36	0.82-6.75		2.32	0.79-6.83	
Manual worker	4.87	1.71-13.9		4.28	1.48-12.4	
Laboratory technician	3.86	1.14-13.0		3.05	0.86-10.8	
Pharmacist	1.91	0.58-6.32		1.67	0.49-5.65	
Ever received blood transfusion (no. of times)						
0	1	-	0.068	1	-	0.033
1	1.03	0.47-2.26		1.04	0.45-2.39	
> 1	1.12	0.37-3.38		1.22	0.39-3.82	
Many	4.77	1.06-13.6		5.85	2.02-16.9	
Treatment for schistosomiasis						
No	1	-	< 0.001	1	-	< 0.001
Tablets	3.02	1.50-6.06		2.90	1.37-6.16	
Injections ± tablets	6.03	2.62-13.9		6.34	2.61-15.4	
Don't know	1.51	0.52-4.39		1.67	0.56-4.93	
Hospital ward						
Paediatrics	1	-	0.133	-	-	-
Surgery	1.06	0.54-2.07		-	-	
Obstetrics	0.86	0.36-2.04		-	-	
Internal medicine	1.84	0.97-3.49		-	-	
Other medical ^d	1.40	0.59-3.33		-	-	
ICU & Emergency	2.11	1.04-4.31		-	-	
Laboratory	1.13	0.49-2.64		-	-	
Non-medical	0.92	0.34-2.47		-	-	
Sharing of razors						
No	1	-	0.145	-	-	-
Yes	1.75	0.86-3.56		-	-	
Shaving at barber's shop^e						
No	1	-	0.103	-	-	-
Yes	2.28	0.84-6.16		-	-	
Intravenous catheterization						
No	1	-	0.087	-	-	-
Yes	1.39	0.95-2.01		-	-	

^aThe variable sex was forced in the multivariate model.

^bIncludes residents and senior doctors; ^cIncludes both nurses-in-training and qualified/practising nurses; ^dIncludes Cardiology, Pulmonary disease, Geriatrics, Tropical medicine and Nephrology; ^eFemales were included in the non-exposed reference category in the multivariate analysis.

OR = odds ratio; CI = confidence interval.

ICU = intensive care unit.