

Table 3 Observed shaving practices of barbers and characteristics of barbershops and the risk of hepatitis B virus (HBV) and hepatitis C virus (HCV) infection (combined data, $n = 796$)

Variable	Total by category	HBV risk factors				HCV risk factors			
		HBV positive	%	RR (95% CI)	<i>P</i> -value ^a	HCV positive	%	RR (95% CI)	<i>P</i> -value ^b
Barber shaving practices									
Washes the razor with antiseptic solution									
Yes	234	53	22.6	1.00 (0.73–1.38)	0.99	5	2.1	2.03 (0.48–8.40)	0.26
No	283	64	22.6			3	1.1		
Uses a new razor for each client									
Yes	502	109	21.7	0.55 (0.33–1.27)	0.25	7	1.4	–	0.78
No	18	6	33.3			0	0.0		
Sterilizes instruments properly									
Yes	309	68	22.0	1.04 (0.72–1.46)	0.86	2	0.6	0.39 (0.06–2.34)	0.26
No	183	39	21.3			3	1.6		
Uses alum as antiseptic for skin cuts									
Yes	407	83	20.4	0.56 (0.45–0.93)	0.02	6	1.5	1.31 (0.16–11.1)	0.63
No	89	28	31.5			1	1.1		
Disinfects skin cuts properly									
Yes	123	33	26.8	1.45 (0.92–1.89)	0.12	5	4.1	7.71 (1.46–37.9)	0.01
No	366	74	20.2			2	0.5		
Barbershop characteristics									
Shop situated at an open-air market area									
Yes	346	97	28.0	1.92 (1.16–2.37)	0.004	6	1.7	3.44 (0.41–28.0)	0.21
No	196	33	16.8			1	0.5		
Shop clean and neat									
Yes	204	31	15.2	0.42 (0.35–0.73)	< 0.001	1	0.5	0.23 (0.02–1.92)	0.13
No	341	102	29.9			7	2.1		
Shop decorated and attractive									
Yes	95	13	13.7	0.45 (0.30–0.88)	0.01	1	1.1	0.66 (0.08–5.35)	0.57
No	443	116	26.2			7	1.6		
Shop with good bathing facilities									
Yes	158	26	16.5	0.52 (0.40–0.88)	0.007	2	1.3	0.78 (0.16–3.85)	0.56
No	373	102	27.3			6	1.6		
Shop with adequate sink for washing hands and face									
Yes	160	26	16.3	0.60 (0.40–0.89)	0.008	1	0.6	0.39 (0.04–3.21)	0.32
No	375	101	26.9			6	1.6		

^aChi-squared test; ^bFisher test/corrected Yates.

RR = relative risk; CI = confidence interval; – = undefined.