

Table 3 Univariate and multivariate analyses of risk factors for flat foot (104 cases and 412 controls) among Saudi Arabian army recruits

Risk factors	Crude OR	(95% CI)	Adjusted OR	(95% CI)
<i>Residence</i>				
Rural ^a	1.0		1.0	
Urban	1.88	(1.08–3.26)*	2.04	(1.11–3.48)*
<i>Body mass index</i>				
Normal ^a	1.0		1.0	
Overweight	1.84	(0.87–3.83)	1.75	(0.91–4.02)
Obese	2.92	(0.89–9.26)	2.69	(0.91–10.02)
Overweight or obese	2.08	(1.10–3.91)*	2.22	(1.23–4.06)* ^c
<i>History of accidents^b</i>				
No ^a	1.0			
Yes	0.79	(invalid CI)	Removed	
<i>Family history</i>				
No ^a	1.0		1.0	
Yes	10.10	(5.71–17.91)*	8.06	(4.55–15.25)*
<i>History of rheumatoid arthritis</i>				
No ^a	1.0			
Yes	1.72	(0.35–7.53)	Removed	
<i>Usual footwear during childhood</i>				
Bare feet ^a	1.0		1.0	
Sandals	0.82	(0.49–1.37)	0.91	(0.44–1.45)
Shoes	2.06	(0.71–5.88)	2.18	(1.01–5.73)*

^aReference category.

^bWith ruptured ligaments and/or tendons in the feet.

^cSeparate logistic regression model.