

Table 2 Prevalence of vitamin D deficiency, insufficiency, and sufficiency by latitude and seasons

Vitamin D status	Latitude of residence					
	Lower than 33°		33° and higher		All	
	summer	winter	summer	winter	summer	winter
Deficiency	184 (30.9)	384 (63.8)	107 (21.5)	307 (62.0)	291 (26.6)	691 (63.0)
Insufficiency	252 (42.3)	168 (27.9)	220 (44.3)	131 (26.5)	472 (43.2)	299 (27.3)
Sufficiency	160 (26.8)	50 (8.3)	170 (34.2)	57 (11.5)	330 (30.2)	109 (9.7)

P < 0.001 for all latitude categories.