

Supplemental table 1: Comparison of the vitamin D status according sex groups.

	Deficiency N (%)	Insufficiency N (%)	Sufficiency N
Male	83 (25.9)	167 (52.0)	71 (22.1)
Female	64 (34.4)	84 (45.2)	38 (20.4)
Total	147 (29.0)	251 (49.5)	109(21.5)

Vitamin D status defined as: Deficiency < 10ng/mL; insufficiency \geq 10 ng/mL to < 20 ng/mL; and sufficiency \geq 20 ng/mL.
 $\chi^2=4.247$, $P_{\text{trend}}=0.120$