

Supplementary Table S2 Comparison of change in serum 25(OH)D₃ after the one-year intervention between arms receiving vitamin D₃ with placebo

Change in serum 25(OH)D ₃ ^a	Placebo (n=96)	Vitamin D ₃			Linear trend in change in serum 25(OH)D ₃ ^b	
		1,000 IU/d (n=96)	2,000 IU/d (n=99)	3,000 IU/d (n=100)	β (95% CI)	<i>P</i> -value
Mean ± SE	-1.6 ± 3.0	26.1 ± 3.0	44.2 ± 3.0	68.3 ± 3.0		
Difference from placebo (95% CI)	0.0	27.7 (17.5, 38.0)	45.8 (35.6, 56.0)	69.9 (59.8, 80.1)	22.8 (20.2, 25.4)	< 0.001
<i>P</i> -value		< 0.001	< 0.001	< 0.001		

^a The difference between serum 25(OH)D₃ at the end of the one-year intervention and that at baseline. Mean ± SE of change in serum 25(OH)D₃, differences in the mean of change in serum 25(OH)D₃ comparing study arms receiving vitamin D₃ with placebo, 95% confidence interval and *P*-values, are estimated from ANOVA and adjusted for sites and for multiple comparisons (Bonferroni correction).

^b β (95% confidence interval) and *P*-value for linear trend are estimated from regression models and adjusted for sites. Study arm is treated as a continuous variable, and β represents mean difference in change in serum 25(OH)D₃ for increments of 1,000 IU/d vitamin D₃.