

Supplemental Table 1. Clinical characteristics according to vitamin D status in overall [Mean \pm SD, n (%), n = 16,060]

Variables	Vitamin D normal (n = 9,997)	Vitamin D deficiency (n = 6,070)	p value
25(OH)D (ng/ml)	20.87 \pm 4.99	11.87 \pm 2.18	<0.001
Age (years)	52.13 \pm 15.76	46.69 \pm 16.21	<0.001
Current smoker	2,107 (22.8)	862 (14.1)	<0.001
Alcohol drinker	5,403 (54.0)	2,909 (47.7)	<0.001
Regular exerciser	959 (9.6)	403 (6.6)	<0.001
SBP (mmHg)	120.93 \pm 17.26	117.98 \pm 17.31	<0.001
DBP (mmHg)	76.75 \pm 10.48	75.53 \pm 10.44	<0.001
BUN (mg/dl)	14.95 \pm 4.48	13.27 \pm 4.03	<0.001
Crea (mg/dl)	0.85 \pm 0.20	0.79 \pm 0.20	<0.001
FBG (mg/dl)	98.59 \pm 22.65	96.44 \pm 21.35	<0.001
Ferritin (μ g/L)	83.98 \pm 66.29	66.61 \pm 62.71	<0.001
Fe (μ g/dl)	115.67 \pm 47.50	108.18 \pm 46.65	<0.001
TIBC (μ g/dl)	314.35 \pm 43.28	319.94 \pm 47.26	<0.001
Hb (g/dl)	14.12 \pm 1.56	13.70 \pm 1.60	<0.001
Hct (%)	41.93 \pm 4.07	40.86 \pm 4.09	<0.001
Anemia	752 (7.5)	650 (10.7)	<0.001

Vitamin D normal, 25(OH)D \geq 15.0 ng/ml; Vitamin D deficiency, 25(OH)D <15.0 ng/ml.