

Baseline Levels of Vitamin D in a Healthy Population from a Region with High Solar Irradiation

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Supplementary Materials:

Table S1. Distribution of the study population by place of residence, gender, and age.

	Rural		Urban		Total		
Age (years)	Male	Female	Male	Female	Male	Female	Total
20-44	41 (4%)	37 (4%)	235 (25%)	224 (23%)	276 (29%)	262 (27%)	537 (57%)
45-64	22 (2%)	20 (2%)	113 (12%)	112 (12%)	135 (14%)	132 (14%)	266 (28%)
≥65	13 (1%)	15 (1%)	51 (5%)	66 (7%)	64 (7%)	82 (8%)	146 (15%)
Subtotal	76 (8%)	73 (8%)	399 (42%)	402 (42%)	474 (50%)	475 (50%)	949 (100%)
Total	148 (16%)		801 (84%)		949 (100%)		
Data are expressed as n (%)							

Table S2. Means (μ) and standard deviations (σ) of log-transformed VitD levels.

Sex		Age (years)		
		20 – 44	45 - 64	≥ 65
Male	μ	3.3611– 0.01615·(BMI–25.89)*	3.2538	3.2254
	σ	0.31875	0.34421	0.30959
Female	μ	3.2654 –0.01698·(BMI–24.92)*	3.1392	2.9873
	σ	0.38482	0.35410	0.34756
BMI: Body Mass Index				

Table S3. Difference between percentiles obtained from sample data and those obtained by applying the condition of normality on the log transformation.

	Male (age, years)			Female (age, years)			Sex		Age group			Total
	20-44	45-64	≥ 65	20-44	45-64	≥ 65	Male	Female	20-44	45-64	≥ 65	Total
P ₁₀	0.18	-0.55	0.45	-0.71	0.36	-0.20	0.13	-0.28	-0.25	-0.19	-0.09	-0.33
P ₂₀	-0.12	-0.25	1.19	-0.66	-0.45	0.10	-0.08	-0.25	-0.50	-0.21	-0.07	-0.17
P ₃₀	0.30	-0.14	-0.55	-0.54	-0.38	-0.84	0.01	-0.47	-0.67	-0.45	0.10	-0.39
P ₄₀	0.79	0.41	-1.13	-0.34	-0.44	-0.43	0.23	-0.52	-0.06	-0.30	-0.12	-0.38
P ₅₀	0.35	0.21	-0.89	-0.61	-1.14	0.16	0.07	-0.55	0.10	-0.40	-0.58	-0.31
P ₆₀	0.35	0.25	-0.71	0.08	-0.95	0.29	-0.25	-0.15	-0.02	-0.10	-0.64	-0.02
P ₇₀	0.15	-0.90	-0.85	0.40	-0.24	0.05	0.00	0.44	0.43	-0.45	-0.95	-0.10
P ₈₀	-0.68	0.85	0.10	0.65	-0.75	-0.70	-0.05	0.79	-0.12	0.10	-0.61	0.72
P ₉₀	0.51	-1.23	0.98	-0.88	2.13	-0.97	0.66	0.37	0.35	1.71	1.06	0.67
p	0.18	0.51	0.60	0.15	0.54	0.11	0.36	0.68	0.52	0.90	0.31	0.82
r _s	0.9986	0.9964	0.9914	0.9982	0.9909	0.9974	0.9995	0.9991	0.9995	0.9976	0.9961	0.9996

p: p-value comparing whether differences between the percentiles differ from zero; r_s = Spearman rho.

Cells are shaded green for differences in absolute values between sample and log-transformed data < 0.5; yellow for differences between 0.5 and 1, and red for differences > 1 in absolute values.