

Supplementary Table S1. Number of patients whose 25-Hydroxy-Vitamin D levels were examined from 2016 to 2020 and the average 25-Hydroxy-Vitamin D levels

25-Hydroxy Vitamin D (ng/ml)					
Years	Gender	N	Median	IQR	P
2016-2020	Male	45865	21.5	13.5	<.001
	Female	103806	19.30	14.4	
2016	Male	3335	23.3	15.8	<.001
	Female	9084	16.8	15.0	
2017	Male	12171	23.0	15.7	<.001
	Female	28392	20.2	17.6	
2018	Male	14567	21.6	12.5	<.001
	Female	30868	19.9	13.7	
2019	Male	10286	20.3	11.8	<.001
	Female	24052	18.9	12.5	
2020	Male	5506	19.4	13.5	<.001
	Female	11410	18.8	13.0	

Supplementary Table S2. Rates of 25-Hydroxy Vitamin D deficiency and insufficiency by age and gender (adapted according to TEMD GUIDE-2020 criteria)

Age Range	Gender	Deficient (<10 ng/ml)		Insufficient (10 ng/ml-19,9 ng/ml)		Normal (>20 ng/ml)		Total	P
		N	%	N	%	N	%		
0-4 Years	Male	23	1,5	271	18	1210	80,5	1504	<.001
	Female	39	3	231	17,8	1031	79,2	1301	
Child (5-17 Years)	Male	74	3,3	790	35,5	1360	61,2	2224	<.001
	Female	380	11,5	1560	47	1376	41,5	3316	
Adult (18-65 Years)	Male	2159	7,1	10906	36	17253	56,9	30318	<.001
	Female	11418	14,5	30424	38,7	36738	46,8	78580	
Over 65+	Male	1805	15,3	4120	34,9	5894	49,9	11819	<.001
	Female	4286	20,8	6061	29,4	10262	49,8	20609	

Supplementary Table S3. 25-Hydroxy Vitamin D levels in adult patients in 2016-2020 by gender, season and year (based on TEMD GUIDE-2020 criteria)

		Deficient (<10 ng/ml)		Insufficient (10 ng/ml-19,9 ng/ml)		Normal (>20 ng/ml)		Total
		N	%	N	%	N	%	
Gender	Male	2159	7,1	10906	36	17253	56,9	30318
	Female	11418	14,5	30424	38,7	36738	46,8	78580
Seasons	Winter	4796	18,3	11133	42,6	10228	39,1	26157
	Spring	5022	18,5	11700	43,1	10448	38,5	27170
	Summer	2128	7,6	9632	34,5	16134	57,8	27894
	Autumn	1631	5,9	8865	32	17181	62,1	27677