

Table 1. This table displays the results of all individuals included in the present study. Subjects were additionally stratified by gender and age groups (see Results for further details). For each parameter, the number of assayed subjects is presented, together with mean±SD and range

	Total-Age Groups														
	0-20			21-50			51-70			>70			Total		
	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)
Glucose (mg/dl)	699	87.96±18.98	85.00 (49.00-275.00)	841	93.25±21.13	90.00 (44.00-327.00)	1885	102.72±31.36	95.00 (55.00-451.00)	1552	109.96±36.98	99.00 (36.00-389.00)	4977	101.30±31.38	94.00 (36.00-451.00)
Hb_A1c (%)	52	5.41±0.73	5.30 (4.30-9.10)	118	5.81±1.43	5.50 (4.40-14.30)	314	6.33±1.06	6.00 (4.70-14.00)	241	6.81±1.30	6.40 (4.90-12.50)	725	6.34±1.26	6.00 (4.30-14.30)
INS(µU/ml)	26	11.74±5.77	10.35 (1.80-28.50)	45	10.76±10.27	8.20 (2.20-67.50)	31	11.08±6.50	10.20 (1.50-30.70)	11	15.38±10.26	14.10 (3.00-32.80)	113	11.52±8.45	9.30 (1.50-67.50)
Urea (mg/dl)	703	35.60±21.80	32.00 (6.00-269.00)	947	34.05±15.03	32.00 (8.00-158.00)	2177	36.31±17.49	33.00 (8.00-261.00)	1740	42.26±22.68	37.50 (7.00-249.00)	5567	37.70±19.71	34.00 (6.00-269.00)
Creatinine (mg/dl)	705	0.59±0.16	0.60 (0.20-1.20)	959	0.87±0.32	0.80 (0.10-5.00)	2262	0.87±0.39	0.80 (0.30-9.20)	1787	1.02±0.60	0.90 (0.50-10.50)	5713	0.88±0.46	0.80 (0.10-10.50)
								0.00 (0.00-0.00)							
Albumin (g/dl)	342	4.47±0.40	4.50 (2.80-5.40)	750	4.42±0.39	4.50 (2.00-5.30)	1743	4.37±0.35	4.40 (1.60-5.20)	1253	4.13±0.51	4.30 (1.70-5.30)	4088	4.31±0.44	4.40 (1.60-5.40)
CRP (mg/dl)	112	0.92±2.11	0.20 (0.20-16.20)	229	0.73±2.41	0.20 (0.20-28.70)	456	0.54±0.97	0.20 (0.20-8.45)	339	1.42±2.91	0.20 (0.20-20.60)	1136	0.88±2.15	0.20 (0.20-28.70)
								0.00 (0.00-0.00)							
Triglycerides (mg/dl)	417	82.20±48.82	69.00 (9.00-315.00)	649	107.75±77.52	87.00 (28.00-880.00)	1506	122.45±61.09	109.00 (23.00-581.00)	1057	129.78±69.44	114.00 (23.00-745.00)	3629	117.33±67.17	103.00 (9.00-880.00)
Cholesterol (mg/dl)	429	166.04±33.05	162.00 (58.00-286.00)	660	198.37±39.02	197.00 (58.00-376.00)	1517	211.94±41.70	211.00 (79.00-613.00)	1062	194.92±39.78	192.00 (66.00-368.00)	3668	199.20±42.18	198.00 (58.00-613.00)
HDL Chol (mg/dl)	406	52.51±14.02	51.00 (13.00-103.00)	618	54.57±14.40	53.00 (14.00-111.00)	1461	58.07±14.54	57.00 (19.00-118.00)	1008	55.06±14.50	54.00 (11.00-109.00)	3493	55.94±14.57	55.00 (11.00-118.00)
LDL Chol (mg/dl)	404	110.47±33.11	108.00 (13.00-233.80)	617	121.60±38.07	121.00 (26.00-500.00)	1461	122.31±35.27	121.00 (23.00-249.00)	1007	118.49±34.93	116.00 (17.00-262.00)	3489	119.71±35.62	118.00 (13.00-500.00)
Total/HDL Chol	405	3.35±0.96	3.16 (1.37-9.69)	616	3.86±1.18	3.65 (1.75-9.91)	1457	3.83±1.03	3.70 (1.63-9.57)	1003	3.72±0.98	3.58 (1.83-12.46)	3481	3.75±1.05	3.59 (1.37-12.46)
								0.00 (0.00-0.00)							
TSH (µU/ml)	561	2.23±1.49	1.86 (0.01-12.88)	721	1.84±3.81	1.30 (0.00-70.48)	1578	1.83±5.58	1.13 (0.00-100.00)	1065	1.44±1.74	1.11 (0.00-35.44)	3925	1.78±4.05	1.26 (0.00-100.00)
								0.00 (0.00-0.00)							
CEA (ng/ml)	3	0.70±0.07	0.70 (0.63-0.76)	51	2.17±1.73	1.66 (0.40-7.96)	128	3.01±7.77	1.81 (0.40-88.24)	75	2.81±2.17	2.36 (0.62-14.44)	257	2.76±5.66	1.89 (0.40-88.24)
CA_199 (U/ml)	3	5.21±1.05	5.00 (4.28-6.34)	38	9.59±11.46	6.05 (1.50-56.04)	90	25.81±126.27	6.65 (1.50-1201.99)	62	20.49±46.63	8.38 (1.50-335.57)	193	20.58±90.26	6.85 (1.50-1201.99)
CA_125 (U/ml)	3	16.57±11.90	14.40 (5.90-29.40)	36	15.49±11.74	12.60 (6.10-72.30)	80	17.24±35.58	9.80 (1.60-256.10)	51	36.95±122.60	13.50 (3.40-860.00)	170	22.77±71.81	11.05 (1.60-860.00)
								0.00 (0.00-0.00)							
HIV_1,2 (S/CO)	2	0.00	0.00	5	0.00	0.00	4	0.00	0.00 (0.00-0.00)	4	0.00	0.00	15	0.00	0.00
HBsAg (S/CO)	17	0.00	0.00	56	0.13±0.33	0.00	44	0.20±0.41	0.00 (0.00-1.00)	27	0.11±0.32	0.00	144	0.13±0.34	0.00
HCV (S/CO)	17	0.00	0.00	54	0.00	0.00	37	0.03±0.16	0.00 (0.00-1.00)	26	0.00	0.00	134	0.01±0.09	0.00
								0.00 (0.00-0.00)							
25(OH)VRD (ng/ml)	952	23.65±10.25	23.00 (3.90-105.00)	1322	18.61±8.64	18.00 (3.90-55.00)	3350	18.58±8.62	18.00 (3.90-73.50)	2418	15.68±8.54	14.50 (3.90-144.00)	8042	18.31±9.11	18.00 (3.90-144.00)
Calcium (mg/dl)	699	10.81±0.59	10.20 (5.70-12.90)	1033	9.79±5.9	9.80 (5.60-13.40)	2747	9.85±0.63	9.90 (3.90-13.40)	2033	9.79±0.83	9.80 (4.60-15.10)	6512	9.86±0.70	9.90 (3.90-15.10)
Phosphate (mg/dl)	607	4.82±0.87	4.80 (1.20-8.70)	838	3.55±6.5	3.50 (1.60-6.30)	2242	3.55±0.63	3.50 (0.40-8.20)	1708	3.51±0.70	3.50 (0.80-9.00)	5395	3.68±0.80	3.60 (0.40-9.00)
PTH (pg/ml)	177	49.91±40.80	40.90 (2.10-351.20)	578	76.30±78.79	63.90 (1.20-1205.90)	1774	85.86±62.43	75.10 (1.60-985.60)	1230	103.53±79.92	84.80 (0.50-970.30)	3759	88.48±71.62	74.80 (0.50-1205.90)
b-ALP (U/l)	3	81.83±22.43	72.0 (66.00-107.00)	31	19.82±8.54	19.00 (4.00-55.00)	311	20.79±8.00	19.00 (2.00-77.50)	220	20.01±10.34	18.00 (4.00-87.00)	565	20.75±10.12	19.00 (2.00-107.5)
N-Mid OC (ng/ml)	7	51.71±28.39	50.00 (20.00-99.00)	104	21.19±12.37	19.00 (5.00-82.00)	634	18.71±9.21	17.00 (3.00-92.00)	399	17.44±13.76	15.00 (4.00-173.00)	1144	18.70±11.78	16.00 (3.00-173.00)
CTX (ng/ml)	4	0.94±0.47	1.03 (0.33-1.36)	103	0.38±0.22	0.32 (0.01-1.03)	658	0.34±0.25	0.29 (0.01-3.55)	410	0.28±0.24	0.22 (0.01-1.96)	1175	0.32±0.25	0.27 (0.01-3.55)
D-Pyrimilins (nM Dpd/ mM creatinine)				7	6.16±3.37	4.80 (3.60-13.00)	60	5.99±2.05	5.80 (2.50-14.30)	27	6.86±2.67	6.60 (2.00-13.80)	94	6.19±2.34	5.80 (2.50-14.30)
Ostase (µg/l)	9	168.17±186.89	58.00 (15.00-500.00)	67	12.05±4.53	11.50 (5.00-25.00)	312	13.77±6.48	12.00 (4.00-48.00)	162	12.91±6.96	11.40 (4.00-51.00)	550	15.84±30.60	12.00 (4.00-500.00)

Table 1. (continued)

	Males-Age Groups														
	0-20			21-50			51-70			>70			Total		
	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)
Glucose (mg/dl)	332	89.31±17.36	88.00 (49.00-263.00)	213	97.37±22.80	93.00 (44.00-216.00)	288	113.58±47.09	101.50 (59.00-451.00)	313	119.16±372.00	104.00 (53.00-372.00)	1146	105.06±38.35	95.00 (44.00-451.00)
Hb_A1c (%)	24	5.48±1.81	5.30 (4.80-9.10)	30	6.50±2.13	5.65 (4.40-14.30)	61	6.55±1.31	6.30 (4.70-11.40)	62	7.11±1.10	6.75 (5.30-11.00)	167	6.56±1.57	6.10 (4.40-14.30)
INSI (µU/ml)	15	12.17±4.46	11.90 (6.10-19.30)	8	12.69±5.16	12.15 (6.00-20.00)	5	13.64±5.17	14.10 (7.50-21.40)	2	11.30±1.10	11.30 (8.50-14.10)	30	12.49±4.54	12.15 (6.00-21.40)
Urea (mg/dl)	328	35.15±16.17	32.00 (6.00-190.00)	228	37.78±15.12	35.00 (8.00-117.00)	332	38.23±16.49	35.00 (10.00-150.00)	347	46.99±248.00	40.00 (8.00-248.00)	1235	39.79±20.79	35.00 (6.00-248.00)
Creatinine (mg/dl)	329	6.0±1.7	0.60 (0.20-1.20)	235	1.09±0.50	1.00 (0.50-5.00)	340	1.12±0.77	1.00 (0.30-9.20)	352	1.34±10.50	1.10 (0.50-10.50)	1256	1.04±0.76	0.90 (0.20-10.50)
Albumin (g/dl)	160	4.44±0.40	4.50 (2.80-5.20)	188	4.51±0.48	4.60 (2.40-5.20)	305	4.27±0.48	4.40 (2.00-5.20)	279	3.91±5.00	4.10 (1.70-5.00)	932	4.24±0.58	4.40 (1.70-5.20)
CRP (mg/dl)	41	1.47±3.13	0.20 (0.20-16.20)	75	1.17±3.91	0.20 (0.20-28.70)	61	0.86±1.57	0.20 (0.20-8.14)	74	2.16±20.60	0.49 (0.20-20.60)	251	1.44±3.31	0.20 (0.20-28.70)
Triglycerides (mg/dl)	201	76.77±46.95	66.00 (9.00-315.00)	161	140.81±112.36	117.00 (37.00-880.00)	207	139.85±77.76	121.00 (36.00-546.00)	190	141.51±745.00	118.00 (31.00-745.00)	759	124.29±88.94	100.00 (9.00-880.00)
Cholesterol (mg/dl)	206	160.27±33.20	158.00 (58.00-257.00)	163	199.67±45.43	198.00 (72.00-376.00)	211	196.67±49.15	196.00 (84.00-463.00)	190	171.99±331.00	168.00 (72.00-331.00)	770	181.48±46.15	176.00 (58.00-463.00)
HDL Chol (mg/dl)	198	51.19±13.70	50.50 (18.00-96.00)	152	45.75±10.17	45.00 (21.00-71.00)	197	46.66±12.55	46.00 (19.00-84.00)	174	43.87±82.00	44.00 (13.00-82.00)	721	47.04±12.76	46.00 (13.00-96.00)
LDL Chol (mg/dl)	198	108.47±30.17	108.00 (17.00-204.00)	152	121.01±37.70	120.00 (26.00-283.00)	197	123.10±35.92	120.00 (27.00-249.00)	174	114.89±212.00	113.50 (22.00-212.00)	721	116.66±34.80	115.00 (17.00-283.00)
TotalHDL Chol	197	3.29±.85	3.14 (1.37-6.81)	152	4.58±1.34	4.41 (2.24-9.91)	196	4.38±1.17	4.33 (2.00-8.12)	172	4.15±12.46	3.95 (2.07-12.46)	717	4.07±2.17	3.90 (1.37-12.46)
TSH (µU/ml)	261	2.13±1.25	1.83 (0.02-8.64)	148	1.98±2.66	1.39 (0.01-25.89)	235	2.56±1.16	1.08 (0.00-100.00)	172	1.30±5.73	1.03 (0.02-5.73)	816	2.05±1.66	1.39 (0.00-100.00)
CEA (ng/ml)				5	2.21±0.43	1.94 (1.62-2.67)	30	5.02±15.78	1.80 (0.40-88.24)	24	2.63±5.66	2.60 (0.62-5.66)	59	3.80±11.26	2.03 (0.40-88.24)
CA_199 (U/ml)				4	12.89±16.29	7.00 (1.50-36.05)	20	71.46±266.78	6.09 (1.50-1201.99)	22	10.70±31.10	6.24 (1.50-31.10)	46	37.31±176.16	6.09 (1.50-1201.99)
CA_125 (U/ml)				1	17.60±0.00	17.60 (17.60-17.60)	4	52.80±94.84	7.30 (1.60-195.00)	7	18.19±56.40	9.60 (6.60-56.40)	12	29.68±54.13	9.45 (1.60-195.00)
HIV_1,2 (S/CO)	1	0.00	0.00	2	0.00	0.00	2	0.00	0.00				5	0.00±0.00	0.00
HBsAg (S/CO)	6	0.00	0.00	27	0.11±0.32	0.00	22	0.27±0.46	0.00	11	0.09±1.00	0.00	66	0.15±0.36	0.00
HCV (S/CO)	5	0.00	0.00	26	0.00	0.00	16	0.06±0.25	0.00	10	0.00	0.00	57	0.02±0.13	0.00
25(OH)VD (ng/ml)	454	24.20±9.75	23.25 (3.90-105.00)	315	19.91±9.30	19.00 (3.90-54.00)	471	18.40±8.73	18.00 (3.90-55.00)	423	15.29±8.50	14.00 (3.90-48.50)	1663	19.48±9.51	19.00 (3.90-105.00)
Calcium (mg/dl)	332	10.21±1.57	10.20 (7.20-12.90)	236	9.94±0.67	10.00 (5.60-11.90)	379	9.70±0.81	9.90 (6.20-13.40)	343	9.56±15.10	9.60 (5.00-15.10)	1290	9.84±0.86	9.90 (5.00-15.10)
Phosphate (mg/dl)	303	4.89±.86	4.90 (1.20-7.50)	194	3.59±0.74	3.55 (1.60-9.50)	322	3.27±0.80	3.20 (0.40-8.20)	302	3.34±7.50	3.20 (1.20-7.50)	1121	3.78±1.06	3.60 (0.40-8.20)
PTH (pg/ml)	89	43.41±25.17	38.20 (2.10-135.10)	117	84.64±90.83	63.70 (21.30-693.90)	258	91.94±101.01	76.05 (4.40-985.60)	204	115.84±970.30	87.25 (7.90-970.30)	668	91.49±99.34	71.40 (2.10-985.60)
b-ALP (U/l)				3	23.67±6.77	27.00 (17.00-27.00)	26	21.19±5.88	20.25 (12.00-32.00)	10	20.70±37.00	17.75 (13.00-37.00)	39	21.26±6.12	20.00 (12.00-37.00)
N-Mid OC (ng/ml)	2	63.00±18.38	63.00 (50.00-76.00)	15	25.83±18.16	20.00 (9.00-82.00)	44	16.86±8.75	15.00 (6.00-55.80)	24	16.79±44.00	15.00 (5.00-44.00)	85	19.42±13.23	16.00 (5.00-82.00)
CTX (ng/ml)	1	0.80±0.00	0.80 (0.80-0.80)	17	0.49±0.24	0.49 (0.09-0.84)	46	0.35±0.23	0.33 (0.04-1.24)	24	0.35±0.91	0.33 (0.04-0.91)	88	0.38±0.24	0.34 (0.04-1.24)
D-Pyridinks (nM Dpd/ mM creatinine)				2	9.05±5.59	9.05 (5.10-13.00)	12	5.46±1.38	4.95 (3.90-7.90)	1	3.70±3.70	3.70 (3.70-3.70)	15	5.82±2.38	5.10 (3.70-13.00)
Ostase (µg/l)	5	183.10±167.40	120.00 (32.00-400.00)	13	12.88±5.15	11.50 (7.00-24.00)	21	12.67±8.21	11.00 (6.00-44.50)	13	9.70±13.00	9.50 (6.00-13.00)	52	28.37±69.51	11.50 (6.00-400.00)

	Females-Age Groups														
	0-20			21-50			51-70			>70			Total		
	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)	N	Mean±SD	Median (Range)
Glucose (mg/dl)	367	86.73±20.27	84.00 (55.00-275.00)	628	91.85±20.36	90.00 (48.00-327.00)	1597	100.76±27.15	94.00 (55.00-351.00)	1239	107.64±33.97	98.00 (36.00-389.00)	3831	100.18±28.88	94.00 (36.00-389.00)
Hb_A1c (%)	28	5.36±0.65	5.30 (4.30-7.30)	88	5.58±1.01	5.40 (4.60-14.00)	253	6.27±0.99	6.00 (4.80-14.00)	189	6.73±1.23	6.40 (4.90-12.50)	558	6.27±1.15	6.00 (4.30-14.00)
INSI (µU/ml)	11	11.15±7.39	9.80 (1.80-28.90)	37	10.35±11.08	7.10 (2.20-67.50)	26	10.59±6.70	9.20 (1.50-30.70)	9	16.29±11.16	16.40 (3.00-32.80)	83	11.71±9.47	8.30 (1.50-67.50)
Urea (mg/dl)	375	35.99±25.75	31.00 (10.00-269.00)	719	32.87±14.82	30.00 (11.00-158.00)	1845	35.97±17.64	33.00 (8.00-261.00)	1393	41.08±20.85	37.00 (7.00-249.00)	4332	37.10±19.36	33.00 (7.00-269.00)
Creatinine (mg/dl)	376	0.57±0.15	0.60 (0.20-1.10)	724	0.80±0.20	0.80 (0.10-3.00)	1922	0.82±0.25	0.80 (0.50-6.10)	1435	0.94±0.41	0.90 (0.50-7.50)	4457	0.84±0.31	0.80 (0.10-7.50)
Albumin (g/dl)	182	4.49±0.41	4.50 (2.90-5.40)	562	4.39±0.35	4.40 (2.00-5.30)	1438	4.39±0.31	4.40 (1.60-5.20)	974	4.19±0.45	4.30 (2.10-5.30)	3156	4.33±0.38	4.40 (1.60-5.40)
CRP (mg/dl)	71	0.60±1.08	0.20 (0.20-6.07)	154	0.52±1.05	0.20 (0.20-10.10)	395	0.49±0.83	0.20 (0.20-8.45)	265	1.2±1.61	0.20 (0.20-17.20)	885	0.72±1.65	0.20 (0.20-17.20)
Triglycerides (mg/dl)	216	85.39±50.39	71.00 (19.00-313.00)	488	96.84±58.03	83.50 (28.00-540.00)	1299	119.67±57.55	108.00 (23.00-581.00)	867	127.20±62.08	113.00 (23.00-634.00)	2870	115.48±60.00	103.00 (19.00-634.00)
Cholesterol (mg/dl)	223	171.37±32.08	166.00 (97.00-286.00)	497	197.95±36.72	196.00 (58.00-339.00)	1206	214.04±39.84	213.00 (79.00-613.00)	872	199.92±37.11	198.00 (66.00-368.00)	2898	203.91±39.76	202.00 (58.00-613.00)
HDL Chol (mg/dl)	208	53.76±14.24	54.00 (13.00-103.00)	466	57.45±14.41	56.00 (14.00-111.00)	1264	59.85±14.02	58.00 (23.00-118.00)	834	57.40±13.73	56.00 (11.00-109.00)	2772	56.25±14.12	57.00 (11.00-118.00)
LDL Chol (mg/dl)	206	112.39±35.67	108.50 (13.00-233.80)	465	121.80±38.23	121.00 (34.00-500.00)	1264	122.18±35.18	121.00 (23.00-233.00)	833	119.24±35.09	116.00 (17.00-262.00)	2768	120.50±35.80	119.00 (13.00-500.00)
TotalHDL Chol	208	3.41±1.05	3.21 (1.75-9.69)	464	3.62±1.02	3.45 (1.75-8.90)	1261	3.75±0.98	3.63 (1.63-9.57)	831	3.63±0.88	3.51 (1.83-8.52)	2764	3.66±0.97	3.54 (1.63-9.69)
TSH (µU/ml)	300	2.32±1.67	1.90 (0.01-12.88)	573	1.81±0.46	1.23 (0.00-70.48)	1343	1.70±3.84	1.14 (0.00-100.00)	893	1.47±1.84	1.12 (0.00-35.44)	3109	1.71±3.27	1.22 (0.00-100.00)
CEA (ng/ml)	3	0.70±0.07	0.70 (0.63-0.76)	46	2.18±1.82	1.53 (0.40-7.96)	98	2.40±1.72	1.83 (1.00-9.21)	51	2.89±2.50	2.21 (0.68-14.44)	198	2.45±1.98	1.85 (0.40-14.44)
CA_199 (U/ml)	3	5.21±1.05	5.00 (4.26-6.34)	34	9.20±11.03	6.05 (1.50-56.40)	70	12.76±13.87	7.13 (1.50-63.03)	40	25.88±57.12	9.58 (1.50-335.57)	147	15.35±32.16	7.61 (1.50-335.57)
CA_125 (U/ml)	3	16.57±11.90	14.40 (5.90-29.40)	35	15.43±11.91	12.30 (6.10-72.30)	76	15.37±30.04	8.85 (2.80-256.10)	44	39.94±131.77	13.55 (3.40-860.00)	158	22.24±73.08	11.10 (2.80-860.00)
HIV_1,2 (S/CO)	1	0.00±0.00	0.00	3	0.00	0.00	2	0.							