

Lumbar spine bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	60.5	14.1	258	59.5	14.2	323	60.2	15.2	289	56.7	16.6	258	54.6	21.2	40	59.1	15.3	1168
Female	55.7	10.9	287	46.3	12.0	283	38.7	10.2	279	33.2	9.9	261	29.2	9.8	32	43.3	13.8	1142
Total	58.0	12.7	545	53.4	14.7	606	49.6	16.9	568	44.9	18.0	519	43.3	21.2	72	51.3	16.6	2310

Lumbar bone mineral density (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.975	0.145	258	0.987	0.169	323	1.009	0.169	289	0.999	0.216	258	0.974	0.253	40	0.992	0.179	1168
Female	1.053	0.142	287	0.924	0.153	283	0.827	0.129	279	0.788	0.133	261	0.749	0.143	32	0.897	0.174	1142
Total	1.016	0.148	545	0.957	0.164	606	0.919	0.176	568	0.893	0.208	519	0.874	0.238	72	0.945	0.183	2310

Pelvic bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	238.4	54.9	258	230.9	53.7	323	217.7	48.0	289	194.7	47.5	258	172.2	54.7	40	219.3	54.4	1168
Female	204.1	42.0	287	171.7	39.7	283	144.7	31.7	279	118.6	31.2	261	104.7	24.1	32	159.2	48.7	1142
Total	220.4	51.5	545	203.3	56.1	606	181.8	54.7	568	156.4	55.3	519	142.2	55.1	72	189.6	59.7	2310

Pelvic bone mineral density (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1.138	0.143	258	1.127	0.143	323	1.110	0.139	289	1.057	0.145	258	0.978	0.150	40	1.105	0.148	1168
Female	1.156	0.130	287	1.077	0.150	283	0.996	0.125	279	0.904	0.136	261	0.849	0.105	32	1.031	0.166	1142
Total	1.148	0.137	545	1.104	0.149	606	1.054	0.144	568	0.980	0.160	519	0.920	0.146	72	1.068	0.161	2310

Left leg bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	466.2	71.0	258	448.2	66.9	323	429.8	62.1	289	398.8	62.8	258	355.6	76.8	40	433.5	71.7	1168
Female	345.4	50.2	287	311.3	46.7	283	279.1	42.3	279	243.4	52.6	261	216.2	51.2	32	293.8	62.1	1142
Total	402.6	85.7	545	384.3	89.8	606	355.7	92.3	568	320.6	96.9	519	293.7	96.2	72	364.5	96.9	2310

Left leg bone mineral density (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1.263	0.129	258	1.240	0.119	323	1.219	0.122	289	1.162	0.124	258	1.094	0.134	40	1.218	0.130	1168
Female	1.098	0.086	287	1.036	0.093	283	0.960	0.080	279	0.907	0.134	261	0.851	0.082	32	0.998	0.125	1142
Total	1.176	0.136	545	1.145	0.148	606	1.092	0.166	568	1.034	0.182	519	0.986	0.166	72	1.109	0.168	2310

Right leg bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	458.8	69.0	258	441.6	63.7	323	423.1	60.3	289	393.8	61.5	258	353.6	75.0	40	427.2	69.3	1168
Female	342.7	47.8	287	308.0	45.1	283	274.7	42.3	279	240.8	51.8	261	207.2	50.8	32	290.4	61.5	1142
Total	397.7	82.6	545	379.2	86.9	606	350.2	90.7	568	316.9	95.4	519	288.5	97.9	72	359.6	94.7	2310

Right leg bone mineral density (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1.240	0.121	258	1.222	0.109	323	1.198	0.119	289	1.149	0.116	258	1.082	0.124	40	1.199	0.123	1168
Female	1.095	0.081	287	1.033	0.092	283	0.959	0.092	279	0.902	0.149	261	0.838	0.082	32	0.995	0.130	1142
Total	1.163	0.125	545	1.133	0.139	606	1.081	0.160	568	1.025	0.182	519	0.974	0.163	72	1.098	0.162	2310

Lumbar spine 2-4 (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.979	0.138	260	0.988	0.153	323	1.010	0.163	290	0.996	0.206	258	0.949	0.245	41	0.992	0.169	1172
Female	1.030	0.130	289	0.906	0.148	284	0.812	0.128	280	0.775	0.140	263	0.717	0.148	32	0.879	0.170	1148
Total	1.006	0.136	549	0.950	0.156	607	0.913	0.177	570	0.884	0.207	521	0.847	0.237	73	0.936	0.179	2320

Lumbar spine 2-4 (percentage of Young Adult Mean (YAM))

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	93.5	13.2	260	94.3	14.6	323	96.5	15.5	290	95.0	19.6	259	90.6	23.2	41	94.7	16.2	1173
Female	101.9	12.8	289	89.6	14.7	284	80.3	12.7	280	76.7	13.8	263	70.9	14.5	32	86.9	16.8	1148
Total	97.9	13.7	549	92.1	14.8	607	88.5	16.3	570	85.8	19.3	522	82.0	22.0	73	90.9	16.9	2321

Right femoral neck (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.784	0.117	260	0.785	0.102	323	0.763	0.109	290	0.709	0.107	260	0.649	0.116	41	0.758	0.114	1174
Female	0.759	0.098	290	0.707	0.097	283	0.648	0.091	279	0.584	0.084	260	0.544	0.060	32	0.673	0.114	1144
Total	0.770	0.108	550	0.749	0.107	606	0.707	0.116	569	0.647	0.115	520	0.603	0.108	73	0.716	0.122	2318

Right trochanter region (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.678	0.111	260	0.695	0.103	323	0.694	0.111	290	0.649	0.108	260	0.591	0.127	41	0.677	0.111	1174
Female	0.650	0.090	290	0.608	0.097	283	0.551	0.089	279	0.492	0.092	260	0.454	0.086	32	0.574	0.111	1144
Total	0.663	0.101	550	0.654	0.109	606	0.624	0.124	569	0.571	0.128	520	0.531	0.130	73	0.626	0.122	2318

Right Ward' s triangle (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.622	0.137	260	0.591	0.124	323	0.551	0.130	290	0.474	0.120	260	0.416	0.113	41	0.556	0.140	1174
Female	0.645	0.123	290	0.565	0.128	283	0.458	0.125	279	0.376	0.109	260	0.331	0.086	32	0.510	0.160	1144
Total	0.634	0.130	550	0.579	0.126	606	0.505	0.136	569	0.425	0.125	520	0.379	0.110	73	0.533	0.152	2318

Left femoral neck (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.794	0.119	260	0.797	0.107	323	0.771	0.111	290	0.720	0.110	260	0.652	0.117	41	0.768	0.118	1174
Female	0.761	0.096	291	0.711	0.090	283	0.652	0.084	280	0.589	0.080	259	0.551	0.062	31	0.677	0.110	1144
Total	0.777	0.109	551	0.757	0.109	606	0.712	0.115	570	0.655	0.116	519	0.608	0.109	72	0.723	0.122	2318

Left trochanter region (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.688	0.112	260	0.703	0.105	323	0.704	0.116	290	0.654	0.112	260	0.595	0.129	41	0.685	0.115	1174
Female	0.650	0.090	291	0.612	0.100	283	0.557	0.085	280	0.498	0.088	259	0.465	0.068	31	0.579	0.108	1144
Total	0.668	0.103	551	0.661	0.112	606	0.632	0.126	570	0.576	0.127	519	0.539	0.125	72	0.633	0.123	2318

Left Ward' s triangle (g/cm²)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.621	0.146	260	0.585	0.126	323	0.538	0.126	290	0.472	0.119	260	0.398	0.131	41	0.550	0.143	1174
Female	0.641	0.122	291	0.556	0.123	283	0.443	0.114	280	0.364	0.103	259	0.341	0.080	31	0.501	0.157	1144
Total	0.632	0.134	551	0.571	0.125	606	0.492	0.129	570	0.418	0.124	519	0.373	0.115	72	0.525	0.152	2318

2. Peripheral quantitative computed tomography (pQCT) (Densiscan 1000)

D50 (trabecular bone density over the core volume of ultradistal radius) (mg/cm³)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	292.6	67.9	246	282.8	63.1	301	266.1	62.9	275	237.2	68.2	246	215.0	58.9	39	268.3	68.8	1107
Female	240.0	56.6	266	203.6	64.5	268	158.0	60.3	268	134.2	59.7	243	129.4	49.4	30	183.5	72.7	1075
Total	265.2	67.5	512	245.5	75.0	569	212.7	82.0	543	186.0	82.2	489	177.8	69.3	69	226.5	82.5	2182

D100 (cortical and trabecular bone density of ultradistal radius) (mg/cm³)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	593.5	92.0	246	573.4	90.4	301	537.9	93.2	275	488.9	96.1	246	445.3	91.0	39	545.8	101.9	1107
Female	608.2	85.4	266	537.1	99.4	268	439.7	91.5	268	383.3	80.5	244	347.2	74.9	30	490.2	125.5	1076
Total	601.2	88.8	512	556.3	96.4	569	489.4	104.5	543	436.3	103.2	490	402.7	97.1	69	518.4	117.4	2183

P100 (cortical bone density of proximal radius) (mg/cm³)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1286.0	126.4	245	1229.4	128.2	299	1176.7	140.9	273	1115.1	163.4	240	1048.9	186.7	39	1197.5	156.3	1096
Female	1381.9	112.6	264	1251.6	159.2	267	1076.5	147.7	267	959.6	165.1	240	911.1	158.8	30	1164.8	220.1	1068
Total	1335.7	128.6	509	1239.8	144.0	566	1127.2	152.6	540	1037.3	181.6	480	989.0	187.0	69	1181.4	191.1	2164

VI. Blood and Urine Analysis

VI. Blood and Urine Analysis

Venous blood sample and urine were obtained after an overnight fast.

Urine is analyzed using semi-quantitative test tape.

1) Blood chemistry

Total protein (g/dl)

Total bilirubin (mg/dl)

Triglyceride (mg/dl)

Total cholesterol (mg/dl)

HDL-cholesterol (mg/dl)

Lipid peroxide (nmol/ml)

Uric acid (mg/dl)

Creatinine (mg/dl)

Calcium (mg/dl)

Phosphorus (mg/dl)

Glutamate oxaloacetate transaminase, GOT (IU/l)

Glutamate pyruvate transaminase, GPT (IU/l)

Alkaline phosphatase (IU/l)

Gamma-glutamyltransferase (IU/l)

Cholinesterase (IU/l)

Magnesium (mg/dl)

Iron (μ g/dl)

Zinc (μ g/dl)

Vitamin A (IU/dl)

Free triiodothyronine, Free T3 (pg/ml)

Free thyroxine, Free T4 (ng/dl)

Thyroid stimulating hormone, TSH (μ g/ml)

Dehydroepiandrosterone sulfate, DHEA-S (ng/ml)

Sialic acid (mg/dl)

Fasting glucose (mg/dl)

Fasting insulin (μ U/ml)

Hemoglobin A1c (%)

Albumin (mg/dl) direct method

2) Serum fatty acid

Dihome-gamma-linolenic acid, DHLA ($\mu\text{g/ml}$)

Arachidonic acid, AA ($\mu\text{g/ml}$)

Eicosapentaenoic acid, EPA ($\mu\text{g/ml}$)

Docosahexaenoic acid, DHA ($\mu\text{g/ml}$)

EPA/AA ratio

3) Complete blood cell count

White blood cell count ($/\mu\text{l}$)

Red blood cell count ($\times 10000/\mu\text{l}$)

Hemoglobin (g/dl)

Hematocrit (%)

MCV (fl)

MCH (pg)

MCHC (%)

Platelet count ($\times 10000/\mu\text{l}$)

4) Urine analysis

Hemoglobin

Occult blood

Ketones

Bilirubin

Urobilinogen

Protein

Glucose

PH

Nitrite

1) Blood chemistry

Total protein (g/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	7.6	0.5	266	7.6	0.4	329	7.7	0.4	295	7.8	0.5	266	7.9	0.5	43	7.7	0.5	1199
Female	7.7	0.4	294	7.7	0.4	285	7.7	0.4	286	7.8	0.5	275	7.7	0.4	34	7.7	0.4	1174
Total	7.6	0.5	560	7.7	0.4	614	7.7	0.4	581	7.8	0.5	541	7.8	0.5	77	7.7	0.4	2373

Triglyceride (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	144.3	107.1	259	134.8	87.8	317	129.1	66.8	287	116.9	56.8	255	113.6	61.2	39	130.8	81.9	1157
Female	75.9	42.3	291	99.4	54.8	278	118.0	76.2	280	116.8	64.2	265	97.7	32.0	32	102.0	62.1	1146
Total	108.1	86.6	550	118.2	76.2	595	123.6	71.8	567	116.8	60.6	520	106.4	50.5	71	116.5	74.1	2303

Total cholesterol (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	212.8	34.7	266	216.0	33.9	329	209.5	33.0	295	208.2	35.0	266	207.9	31.0	43	211.7	34.1	1199
Female	210.1	33.4	294	228.7	34.0	285	232.5	34.6	286	226.7	31.9	275	219.1	25.6	34	224.2	34.3	1174
Total	211.4	34.0	560	221.9	34.5	614	220.8	35.7	581	217.6	34.7	541	212.9	29.1	77	217.9	34.8	2373

Uric acid (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	6.0	1.3	266	5.9	1.3	329	5.8	1.2	295	5.8	1.4	266	5.8	1.5	43	5.9	1.3	1199
Female	4.1	0.9	294	4.5	0.9	285	4.7	1.1	286	4.8	1.1	275	4.7	1.0	34	4.5	1.0	1174
Total	5.0	1.5	560	5.3	1.3	614	5.3	1.3	581	5.3	1.4	541	5.3	1.4	77	5.2	1.4	2373

Creatinine (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.8	0.1	266	0.8	0.1	329	0.9	0.6	295	0.9	0.2	266	0.9	0.3	43	0.9	0.3	1199
Female	0.6	0.1	294	0.6	0.1	285	0.6	0.1	286	0.7	0.1	275	0.7	0.1	34	0.6	0.1	1174
Total	0.7	0.2	560	0.7	0.2	614	0.8	0.4	581	0.8	0.2	541	0.8	0.2	77	0.8	0.3	2373

Calcium (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	9.5	0.3	266	9.4	0.3	329	9.3	0.3	295	9.3	0.3	266	9.4	0.3	43	9.4	0.3	1199
Female	9.2	0.3	294	9.4	0.3	285	9.4	0.4	286	9.4	0.4	275	9.3	0.3	34	9.4	0.4	1174
Total	9.3	0.3	560	9.4	0.3	614	9.4	0.3	581	9.4	0.4	541	9.3	0.3	77	9.4	0.3	2373

Glutamate oxaloacetate transaminase, GOT (IU/l)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	24.8	11.8	266	25.7	12.7	329	25.7	10.9	295	26.7	13.8	266	31.9	14.2	43	26.0	12.5	1199
Female	20.9	12.7	294	22.6	7.0	285	25.8	13.5	286	25.3	7.7	275	24.5	5.2	34	23.6	10.7	1174
Total	22.8	12.4	560	24.3	10.6	614	25.7	12.2	581	26.0	11.2	541	28.6	11.7	77	24.8	11.7	2373

Glutamate pyruvate transaminase, GPT (IU/l)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	29.6	23.3	266	27.3	18.0	329	24.8	15.4	295	21.8	16.2	266	26.8	23.6	43	26.0	18.8	1199
Female	18.3	15.7	294	20.6	13.0	285	23.0	18.3	286	19.6	12.3	275	16.0	4.8	34	20.2	14.9	1174
Total	23.7	20.5	560	24.1	16.2	614	23.9	16.9	581	20.7	14.4	541	22.0	18.6	77	23.1	17.2	2373

Phosphorus (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	3.3	0.4	266	3.2	0.4	329	3.2	0.4	295	3.2	0.4	266	3.2	0.3	43	3.2	0.4	1199
Female	3.5	0.4	294	3.8	0.4	285	3.8	0.4	286	3.7	0.4	275	3.6	0.4	34	3.7	0.4	1174
Total	3.4	0.4	560	3.5	0.5	614	3.5	0.5	581	3.4	0.5	541	3.4	0.4	77	3.5	0.5	2373

Gamma-glutamyltransferase (IU/l)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	54.7	54.7	266	61.6	115.4	329	52.0	49.1	295	45.6	82.9	266	32.5	22.1	43	53.1	80.5	1199
Female	22.8	37.2	294	28.4	27.6	285	29.0	27.7	286	25.5	19.6	275	32.2	63.8	34	26.6	30.5	1174
Total	38.0	49.0	560	46.2	88.1	614	40.7	41.6	581	35.4	60.6	541	32.4	45.2	77	40.0	62.5	2373

Cholinesterase (IU/l)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	385.2	75.3	266	374.4	91.3	329	359.9	88.9	295	329.4	65.5	266	317.8	72.8	43	361.2	84.1	1199
Female	324.8	87.7	294	377.7	113.4	285	378.5	83.9	286	365.6	99.2	275	346.1	75.7	34	360.9	98.4	1174
Total	353.5	87.4	560	376.0	102.1	614	369.0	86.9	581	347.8	86.2	541	330.3	74.9	77	361.1	91.5	2373

Magnesium (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2.4	0.1	266	2.4	0.2	329	2.4	0.2	295	2.3	0.2	266	2.3	0.2	43	2.4	0.2	1199
Female	2.3	0.2	294	2.3	0.1	285	2.4	0.2	286	2.3	0.2	275	2.3	0.1	34	2.3	0.2	1174
Total	2.3	0.2	560	2.4	0.2	614	2.4	0.2	581	2.3	0.2	541	2.3	0.1	77	2.3	0.2	2373

Lipid peroxide (nMOL/Ml)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	3.1	0.8	266	3.3	0.8	329	3.2	0.9	295	3.2	0.9	266	2.9	0.7	43	3.2	0.9	1199
Female	2.6	0.6	294	2.8	0.7	285	2.9	0.9	286	2.9	0.9	275	2.8	0.8	34	2.8	0.8	1174
Total	2.8	0.7	560	3.1	0.8	614	3.1	0.9	581	3.0	0.9	541	2.9	0.7	77	3.0	0.8	2373

Iron ($\mu\text{g}/\text{dl}$)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	116.9	39.0	266	116.3	40.4	329	118.9	38.7	295	112.9	39.1	266	111.4	35.9	43	116.2	39.2	1199
Female	97.2	46.2	294	104.2	34.1	285	109.6	30.8	286	97.7	28.5	275	101.7	37.3	34	102.2	36.1	1174
Total	106.6	44.0	560	110.7	38.1	614	114.3	35.3	581	105.2	35.0	541	107.1	36.6	77	109.2	38.3	2373

Vitamin A (IU/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	212.3	40.7	266	216.8	48.5	329	206.0	46.6	295	202.0	53.0	265	185.0	48.0	43	208.7	47.9	1198
Female	148.8	33.4	294	170.6	33.8	285	184.9	39.1	286	181.7	41.6	275	176.1	47.3	34	171.4	39.9	1174
Total	178.9	48.7	560	195.4	48.2	614	195.6	44.3	581	191.7	48.6	540	181.1	47.6	77	190.2	47.9	2372

Free triiodothyronine, Free T3 (pg/ml)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	3.1	0.5	266	3.0	0.4	329	2.9	0.4	295	2.8	0.6	266	2.7	0.4	43	2.9	0.5	1199
Female	2.7	0.4	294	2.8	0.4	285	2.8	0.4	286	2.8	0.3	275	2.8	0.6	34	2.8	0.4	1174
Total	2.9	0.5	560	2.9	0.4	614	2.9	0.4	581	2.8	0.5	541	2.8	0.5	77	2.9	0.4	2373

Free thyroxine, Free T4 (ng/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1.3	0.2	266	1.3	0.2	329	1.2	0.2	295	1.3	0.3	266	1.2	0.2	43	1.3	0.2	1199
Female	1.2	0.2	294	1.2	0.2	285	1.2	0.2	286	1.2	0.2	275	1.2	0.2	34	1.2	0.2	1174
Total	1.3	0.2	560	1.2	0.2	614	1.2	0.2	581	1.2	0.2	541	1.2	0.2	77	1.2	0.2	2373

Thyroid stimulating hormone, TSH ($\mu\text{g/ml}$)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1.9	1.0	266	2.3	1.7	329	3.0	6.5	295	3.8	7.4	266	3.5	2.8	43	2.8	4.9	1199
Female	2.3	1.4	294	3.0	5.8	285	3.1	2.1	286	3.0	1.9	275	4.4	5.3	34	2.9	3.4	1174
Total	2.1	1.3	560	2.6	4.2	614	3.1	4.9	581	3.4	5.3	541	3.9	4.1	77	2.8	4.2	2373

Dehydroepiandrosterone sulfate, DHEA-S (ng/ml)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2153.8	884.7	266	1742.2	738.2	329	1387.4	710.3	295	1061.6	539.9	266	870.1	561.9	43	1564.0	829.9	1199
Female	1210.0	578.3	294	918.1	471.6	285	742.0	401.2	286	694.6	398.6	275	652.7	394.8	34	888.2	509.7	1174
Total	1658.3	876.8	560	1359.7	750.9	614	1069.7	662.7	581	875.1	507.4	541	774.1	503.9	77	1229.7	768.4	2373

Fasting insulin ($\mu\text{U/ml}$)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	7.6	4.6	259	7.3	6.4	317	7.3	4.8	287	6.9	4.8	255	6.9	5.3	39	7.3	5.3	1157
Female	7.1	4.7	291	6.4	3.8	278	7.6	5.3	280	8.2	5.2	265	6.8	3.3	32	7.3	4.8	1146
Total	7.3	4.7	550	6.9	5.4	595	7.4	5.1	567	7.6	5.0	520	6.8	4.5	71	7.3	5.0	2303

Sialic acid (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	61.0	7.1	266	61.2	7.3	329	63.3	8.0	295	64.8	9.2	265	66.3	9.7	43	62.7	8.2	1198
Female	59.5	7.9	294	61.0	7.4	285	63.4	7.4	286	64.7	7.8	275	64.1	6.9	34	62.2	7.9	1174
Total	60.2	7.6	560	61.1	7.3	614	63.3	7.7	581	64.8	8.5	540	65.3	8.6	77	62.4	8.0	2372

HDL-cholesterol (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	58.9	13.9	266	58.3	14.2	329	56.3	13.7	295	57.1	15.5	266	58.1	14.8	43	57.7	14.3	1199
Female	71.8	14.7	294	69.1	14.8	285	64.9	14.1	286	64.7	17.4	275	65.7	13.4	34	67.6	15.5	1174
Total	65.7	15.7	560	63.3	15.4	614	60.5	14.5	581	60.9	16.9	541	61.5	14.6	77	62.6	15.7	2373

Fasting glucose (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	98.5	17.2	258	105.2	24.5	316	106.8	25.0	287	107.5	24.4	255	101.8	19.1	39	104.5	23.2	1155
Female	93.2	18.8	289	97.8	23.5	278	98.8	17.7	280	102.9	20.6	264	98.2	13.4	32	98.1	20.3	1143
Total	95.7	18.3	547	101.7	24.3	594	102.8	22.0	567	105.2	22.6	519	100.2	16.8	71	101.3	22.1	2298

Hemoglobin A1c (%)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	5.0	0.5	265	5.3	0.8	327	5.5	1.0	295	5.5	0.9	265	5.4	0.7	42	5.3	0.8	1194
Female	5.0	0.7	292	5.3	0.9	284	5.3	0.6	285	5.4	0.7	273	5.3	0.5	33	5.2	0.7	1167
Total	5.0	0.6	557	5.3	0.8	611	5.4	0.8	580	5.4	0.8	538	5.3	0.6	75	5.3	0.8	2361

Albumin (mg/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	4619.1	326.3	266	4502.9	322.2	329	4397.7	292.1	295	4354.8	327.0	266	4241.4	268.5	43	4460.6	332.2	1199
Female	4456.5	311.8	294	4431.6	299.6	285	4417.1	308.2	286	4333.4	307.6	275	4350.9	334.4	34	4409.0	310.6	1174
Total	4533.7	328.7	560	4469.8	313.7	614	4407.3	300.0	581	4343.9	317.2	541	4289.7	302.3	77	4435.0	322.7	2373

2) Serum fatty acid

Dihomo-gamma-linolenic acid, DHLA ($\mu\text{g/ml}$)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	35.3	11.6	266	32.0	10.9	329	33.1	11.2	295	31.0	10.2	265	29.8	7.4	43	32.7	11.0	1198
Female	28.9	10.6	294	33.5	11.5	285	36.6	12.1	286	37.2	12.2	275	36.5	15.7	34	34.1	12.2	1174
Total	32.0	11.5	560	32.7	11.2	614	34.8	11.8	581	34.1	11.7	540	32.8	12.2	77	33.4	11.6	2372

Arachidonic acid, AA ($\mu\text{g/ml}$)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	176.4	43.5	266	169.1	37.9	329	161.5	35.6	295	157.2	35.2	265	150.0	29.0	43	165.5	38.5	1198
Female	166.6	37.0	294	178.4	36.1	285	175.1	36.8	286	172.3	37.8	275	165.0	30.8	34	172.8	37.0	1174
Total	171.3	40.5	560	173.4	37.3	614	168.2	36.8	581	164.9	37.3	540	156.6	30.5	77	169.2	37.9	2372

Eicosapentaenoic acid, EPA ($\mu\text{g/ml}$)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	65.4	37.5	266	88.3	45.3	329	94.2	48.7	295	94.3	53.6	265	73.6	35.9	43	85.5	47.6	1198
Female	57.1	30.8	294	78.9	45.6	285	89.8	41.5	286	87.4	42.7	275	84.0	50.1	34	78.2	42.7	1174
Total	61.0	34.3	560	84.0	45.6	614	92.0	45.3	581	90.8	48.5	540	78.2	42.8	77	81.9	45.4	2372

Docosahexaenoic acid, DHA ($\mu\text{g/ml}$)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	146.2	61.4	266	167.3	60.7	329	175.4	54.8	295	171.3	53.9	265	158.6	45.4	43	165.2	58.4	1198
Female	127.2	39.1	294	156.8	43.4	285	181.3	45.6	286	177.4	47.7	275	165.7	48.1	34	160.4	48.9	1174
Total	136.2	51.7	560	162.4	53.5	614	178.3	50.5	581	174.4	50.9	540	161.8	46.4	77	162.8	54.0	2372

3) Complete blood cell count

White blood cell count (μ l)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	6088.7	1726.9	265	6053.4	1725.3	328	5722.7	1515.7	295	5747.0	1474.0	266	5914.0	1293.9	43	5906.6	1613.8	1197
Female	5117.8	1442.0	292	5055.4	1418.8	285	5125.2	1295.7	286	5388.3	1549.1	274	5326.5	1380.9	34	5173.8	1429.9	1171
Total	5579.7	1655.2	557	5589.4	1665.2	613	5428.6	1441.8	581	5565.0	1521.8	540	5654.5	1356.2	77	5544.2	1568.7	2368

Red blood cell count ($\times 10000/\mu$ l)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	507.2	36.7	265	497.6	36.4	328	490.9	44.3	295	476.8	51.9	266	462.0	37.0	43	492.2	43.9	1197
Female	450.1	37.1	292	457.1	35.5	285	452.7	37.4	286	449.8	39.9	274	424.0	36.8	34	451.6	37.8	1171
Total	477.3	46.6	557	478.8	41.3	613	472.1	45.3	581	463.1	48.1	540	445.2	41.3	77	472.1	45.7	2368

Hemoglobin (g/dl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	16.0	1.1	265	15.9	1.1	328	15.7	1.3	295	15.2	1.6	266	14.7	1.1	43	15.7	1.3	1197
Female	13.5	1.5	292	14.0	1.1	285	14.1	1.1	286	13.9	1.2	274	13.2	1.3	34	13.8	1.3	1171
Total	14.7	1.9	557	15.0	1.4	613	14.9	1.4	581	14.6	1.5	540	14.0	1.4	77	14.8	1.6	2368

Hematocrit (%)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	48.5	3.3	265	48.3	3.1	328	47.8	3.8	295	46.5	4.6	266	45.1	3.4	43	47.7	3.8	1197
Female	41.6	4.0	292	43.2	3.2	285	43.4	3.2	286	43.3	3.7	274	40.7	3.6	34	42.8	3.6	1171
Total	44.9	5.0	557	45.9	4.0	613	45.7	4.2	581	44.9	4.5	540	43.1	4.1	77	45.3	4.5	2368

MCV (fl)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	95.8	4.9	265	97.2	4.8	328	97.6	5.0	295	97.8	5.5	266	97.8	5.1	43	97.1	5.1	1197
Female	92.6	6.9	292	94.7	4.6	285	96.1	4.2	286	96.3	4.4	274	96.0	3.7	34	94.9	5.3	1171
Total	94.1	6.3	557	96.0	4.8	613	96.9	4.7	581	97.0	5.0	540	97.0	4.6	77	96.0	5.3	2368

MCH (pg)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	31.7	1.8	265	32.1	1.6	328	32.1	1.8	295	32.0	2.1	266	31.9	1.8	43	32.0	1.8	1197
Female	30.0	2.9	292	30.7	1.6	285	31.1	1.3	286	31.1	1.7	274	31.1	1.8	34	30.7	2.0	1171
Total	30.8	2.6	557	31.4	1.8	613	31.6	1.6	581	31.5	1.9	540	31.5	1.8	77	31.3	2.0	2368

MCHC (%)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	33.1	1.1	265	33.0	1.1	328	32.8	1.0	295	32.7	1.2	266	32.6	1.1	43	32.9	1.1	1197
Female	32.3	1.5	292	32.4	1.1	285	32.4	1.1	286	32.3	1.1	274	32.4	1.2	34	32.3	1.2	1171
Total	32.7	1.4	557	32.7	1.2	613	32.6	1.1	581	32.5	1.2	540	32.5	1.1	77	32.6	1.2	2368

Platelet count (x10000/ μ l)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	22.0	5.3	264	21.5	5.1	325	20.4	5.5	289	19.4	5.5	263	18.2	5.2	42	20.8	5.4	1183
Female	23.3	6.4	291	21.7	5.4	284	21.5	5.1	285	21.1	6.1	271	21.6	5.5	34	21.9	5.8	1165
Total	22.7	5.9	555	21.6	5.2	609	20.9	5.3	574	20.3	5.8	534	19.7	5.6	76	21.3	5.6	2348

4) Urine analysis

Urine analysis (Semi-quantitative urine test tape, Uriace, Termo, Inc.)

Hemoglobin

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
negative	Male	246	95.0	293	92.1	262	90.7	222	86.7	30	76.9	1053	90.7
	Female	226	87.3	213	77.7	204	72.9	202	76.5	24	75.0	869	78.4
	Total	472	91.1	506	85.5	466	81.9	424	81.5	54	76.1	1922	84.7
10/ μ l	Male	8	3.1	18	5.7	22	7.6	28	10.9	8	20.5	84	7.2
	Female	24	9.3	44	16.1	53	18.9	44	16.7	4	12.5	169	15.2
	Total	32	6.2	62	10.5	75	13.2	72	13.8	12	16.9	253	11.1
50/ μ l	Male	4	1.5	7	2.2	5	1.7	6	2.3	1	2.6	23	2.0
	Female	7	2.7	16	5.8	23	8.2	18	6.8	4	12.5	68	6.1
	Total	11	2.1	23	3.9	28	4.9	24	4.6	5	7.0	91	4.0
250/ μ l	Male	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
	Female	2	0.8	1	0.4	0	0.0	0	0.0	0	0.0	3	0.3
	Total	3	0.6	1	0.2	0	0.0	0	0.0	0	0.0	4	0.2

Hematuria

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
negative	Male	235	90.7	288	90.6	261	90.3	232	90.6	37	94.9	1053	90.7
	Female	235	90.7	244	89.1	247	88.2	222	84.1	25	78.1	973	87.7
	Total	470	90.7	532	89.9	508	89.3	454	87.3	62	87.3	2026	89.3
10/ μ l	Male	22	8.5	25	7.9	28	9.7	23	9.0	2	5.1	100	8.6
	Female	22	8.5	25	9.1	28	10.0	38	14.4	6	18.8	119	10.7
	Total	44	8.5	50	8.4	56	9.8	61	11.7	8	11.3	219	9.6
50/ μ l	Male	2	0.8	4	1.3	0	0.0	1	0.4	0	0.0	7	0.6
	Female	1	0.4	5	1.8	4	1.4	4	1.5	1	3.1	15	1.4
	Total	3	0.6	9	1.5	4	0.7	5	1.0	1	1.4	22	1.0
250/ μ l	Male	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	1	0.1
	Female	1	0.4	0	0.0	1	0.4	0	0.0	0	0.0	2	0.2
	Total	1	0.2	1	0.2	1	0.2	0	0.0	0	0.0	3	0.1

Ketone

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
negative	Male	254	98.1	310	97.5	286	99.0	249	97.3	37	94.9	1136	97.8
	Female	253	97.7	271	98.9	279	99.6	258	97.7	32	100.0	1093	98.6
	Total	507	97.9	581	98.1	565	99.3	507	97.5	69	97.2	2229	98.2
10mg/dl	Male	5	1.9	7	2.2	2	0.7	6	2.3	2	5.1	22	1.9
	Female	5	1.9	3	1.1	1	0.4	6	2.3	0	0.0	15	1.4
	Total	10	1.9	10	1.7	3	0.5	12	2.3	2	2.8	37	1.6
50mg/dl	Male	0	0.0	1	0.3	1	0.3	1	0.4	0	0.0	3	0.3
	Female	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
	Total	1	0.2	1	0.2	1	0.2	1	0.2	0	0.0	4	0.2

Bilirubin

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
negative	Male	258	100.0	318	100.0	289	100.0	256	100.0	39	100.0	1160	100.0
	Female	259	100.0	274	100.0	279	100.0	264	100.0	32	100.0	1108	100.0
	Total	517	100.0	592	100.0	568	100.0	520	100.0	71	100.0	2268	100.0

Urobilinogen

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
0.5mg/dl	Male	244	94.2	304	95.6	282	97.6	247	96.5	38	97.4	1115	96.0
	Female	255	98.5	272	99.3	278	99.3	261	98.9	31	96.9	1097	98.9
	Total	499	96.3	576	97.3	560	98.4	508	97.7	69	97.2	2212	97.4
2mg/dl	Male	14	5.4	12	3.8	6	2.1	8	3.1	1	2.6	41	3.5
	Female	3	1.2	2	0.7	2	0.7	3	1.1	1	3.1	11	1.0
	Total	17	3.3	14	2.4	8	1.4	11	2.1	2	2.8	52	2.3
4mg/dl	Male	1	0.4	2	0.6	1	0.3	1	0.4	0	0.0	5	0.4
	Female	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
	Total	2	0.4	2	0.3	1	0.2	1	0.2	0	0.0	6	0.3

Protein

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
negative	Male	230	88.8	284	89.3	255	88.2	210	82.0	29	74.4	1008	86.8
	Female	228	88.0	257	93.8	248	88.6	223	84.5	28	87.5	984	88.7
	Total	458	88.4	541	91.4	503	88.4	433	83.3	57	80.3	1992	87.8
±	Male	20	7.7	22	6.9	16	5.5	20	7.8	3	7.7	81	7.0
	Female	21	8.1	13	4.7	22	7.9	23	8.7	3	9.4	82	7.4
	Total	41	7.9	35	5.9	38	6.7	43	8.3	6	8.5	163	7.2
30mg/dl	Male	8	3.1	9	2.8	13	4.5	12	4.7	4	10.3	46	4.0
	Female	7	2.7	4	1.5	7	2.5	14	5.3	0	0.0	32	2.9
	Total	15	2.9	13	2.2	20	3.5	26	5.0	4	5.6	78	3.4
100mg/dl	Male	1	0.4	3	0.9	5	1.7	11	4.3	3	7.7	23	2.0
	Female	2	0.8	0	0.0	2	0.7	4	1.5	0	0.0	8	0.7
	Total	3	0.6	3	0.5	7	1.2	15	2.9	3	4.2	31	1.4
250mg/dl	Male	0	0.0	0	0.0	0	0.0	3	1.2	0	0.0	3	0.3
	Female	1	0.4	0	0.0	1	0.4	0	0.0	1	3.1	3	0.3
	Total	1	0.2	0	0.0	1	0.2	3	0.6	1	1.4	6	0.3

Glucose

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
negative	Male	256	98.8	304	95.6	276	95.5	243	94.9	37	94.9	1116	96.1
	Female	257	99.2	270	98.5	278	99.3	262	99.2	32	100.0	1099	99.1
	Total	513	99.0	574	97.0	554	97.4	505	97.1	69	97.2	2215	97.6
±	Male	0	0.0	4	1.3	4	1.4	3	1.2	1	2.6	12	1.0
	Female	0	0.0	1	0.4	1	0.4	1	0.4	0	0.0	3	0.3
	Total	0	0.0	5	0.8	5	0.9	4	0.8	1	1.4	15	0.7
150mg/dl	Male	2	0.8	6	1.9	5	1.7	7	2.7	1	2.6	21	1.8
	Female	0	0.0	2	0.7	1	0.4	1	0.4	0	0.0	4	0.4
	Total	2	0.4	8	1.4	6	1.1	8	1.5	1	1.4	25	1.1
500mg/dl	Male	1	0.4	2	0.6	2	0.7	2	0.8	0	0.0	7	0.6
	Female	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
	Total	2	0.4	2	0.3	2	0.4	2	0.4	0	0.0	8	0.4
2000mg/dl	Male	0	0.0	2	0.6	2	0.7	1	0.4	0	0.0	5	0.4
	Female	1	0.4	1	0.4	0	0.0	0	0.0	0	0.0	2	0.2
	Total	1	0.2	3	0.5	2	0.4	1	0.2	0	0.0	7	0.3

pH

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
pH5	Male	127	49.0	159	50.0	131	45.3	113	44.1	16	41.0	546	47.0
	Female	133	51.4	145	52.9	120	42.9	114	43.2	16	50.0	528	47.6
	Total	260	50.2	304	51.4	251	44.1	227	43.7	32	45.1	1074	47.3
pH6	Male	76	29.3	91	28.6	84	29.1	81	31.6	16	41.0	348	30.0
	Female	72	27.8	72	26.3	91	32.5	76	28.8	7	21.9	318	28.7
	Total	148	28.6	163	27.5	175	30.8	157	30.2	23	32.4	666	29.3
pH7	Male	51	19.7	63	19.8	71	24.6	59	23.0	7	17.9	251	21.6
	Female	46	17.8	55	20.1	60	21.4	66	25.0	9	28.1	236	21.3
	Total	97	18.7	118	19.9	131	23.0	125	24.0	16	22.5	487	21.5
pH8	Male	5	1.9	5	1.6	3	1.0	3	1.2	0	0.0	16	1.4
	Female	8	3.1	2	0.7	9	3.2	8	3.0	0	0.0	27	2.4
	Total	13	2.5	7	1.2	12	2.1	11	2.1	0	0.0	43	1.9

Nitrite

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
negative	Male	259	100.0	318	100.0	288	99.7	256	100.0	39	100.0	1160	99.9
	Female	258	99.6	271	98.9	277	98.9	257	97.3	32	100.0	1095	98.7
	Total	517	99.8	589	99.5	565	99.3	513	98.7	71	100.0	2255	99.3
positive	Male	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	1	0.1
	Female	1	0.4	3	1.1	3	1.1	7	2.7	0	0.0	14	1.3
	Total	1	0.2	3	0.5	4	0.7	7	1.3	0	0.0	15	0.7