

Diabetic Retinopathy - Right Eye

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80 - yr		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
not recorded	Male	-	0.0	-	0.0	3	1.0	5	2.0	-	0.0	8	0.7
	Female	-	0.0	-	0.0	1	0.4	3	1.1	1	1.7	5	0.4
	Total	-	0.0	-	0.0	4	0.7	8	1.5	1	0.9	13	0.5
nothing	Male	284	99.3	295	100.0	288	96.0	240	94.1	52	98.1	1159	97.5
	Female	294	100.0	281	99.3	267	97.8	273	95.8	53	89.8	1168	97.8
	Total	578	99.7	576	99.7	555	96.9	513	95.0	105	93.8	2327	97.7
simple	Male	-	0.0	-	0.0	2	0.7	1	0.4	-	0.0	3	0.3
	Female	-	0.0	-	0.0	1	0.4	-	0.0	-	0.0	1	0.1
	Total	-	0.0	-	0.0	3	0.5	1	0.2	-	0.0	4	0.2
preproliferative	Male	-	0.0	-	0.0	3	1.0	1	0.4	-	0.0	4	0.3
	Female	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Total	-	0.0	-	0.0	3	0.5	1	0.2	-	0.0	4	0.2
invisible	Male	2	0.7	-	0.0	4	1.3	8	3.1	1	1.9	15	1.3
	Female	-	0.0	2	0.7	4	1.5	9	3.2	5	8.5	20	1.7
	Total	2	0.3	2	0.3	8	1.4	17	3.1	6	5.4	35	1.5

Diabetic Retinopathy - Left Eye

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80 - yr		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
not recorded	Male	-	0.0	2	0.7	4	1.3	3	1.2	-	0.0	9	0.8
	Female	-	0.0	1	0.4	2	0.7	3	1.1	2	3.4	8	0.7
	Total	-	0.0	3	0.5	6	1.0	6	1.1	2	1.8	17	0.7
nothing	Male	285	99.7	290	98.3	284	94.7	236	92.5	48	90.6	1143	96.1
	Female	294	100.0	280	98.9	265	97.1	267	93.7	54	91.5	1160	97.2
	Total	579	99.8	570	98.6	549	95.8	503	93.1	102	91.1	2303	96.6
simple	Male	-	0.0	-	0.0	3	1.0	1	0.4	-	0.0	4	0.3
	Female	-	0.0	-	0.0	1	0.4	-	0.0	-	0.0	1	0.1
	Total	-	0.0	-	0.0	4	0.7	1	0.2	-	0.0	5	0.2
preproliferative	Male	-	0.0	-	0.0	3	1.0	1	0.4	-	0.0	4	0.3
	Female	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Total	-	0.0	-	0.0	3	0.5	1	0.2	-	0.0	4	0.2
invisible	Male	1	0.3	3	1.0	6	2.0	14	5.5	5	9.4	29	2.4
	Female	-	0.0	2	0.7	5	1.8	15	5.3	3	5.1	25	2.1
	Total	1	0.2	5	0.9	11	1.9	29	5.4	8	7.1	54	2.3

Arteriosclerosis (Keith-Wagener) - Right Eye

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80 - yr		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
not recorded	Male	-	0.0	-	0.0	3	1.0	5	2.0	-	0.0	8	0.7
	Female	-	0.0	-	0.0	1	0.4	3	1.1	1	1.7	5	0.4
	Total	-	0.0	-	0.0	4	0.7	8	1.5	1	0.9	13	0.5
nothing	Male	158	55.2	60	20.3	29	9.7	5	2.0	1	1.9	253	21.3
	Female	197	67.0	70	24.7	25	9.2	12	4.2	3	5.1	307	25.7
	Total	355	61.2	130	22.5	54	9.4	17	3.1	4	3.6	560	23.5
K-W I	Male	119	41.6	206	69.8	186	62.0	108	42.4	12	22.6	631	53.1
	Female	93	31.6	197	69.6	188	68.9	109	38.2	12	20.3	599	50.2
	Total	212	36.6	403	69.7	374	65.3	217	40.2	24	21.4	1230	51.6
K-W IIa	Male	8	2.8	29	9.8	78	26.0	132	51.8	39	73.6	286	24.1
	Female	4	1.4	15	5.3	56	20.5	151	53.0	39	66.1	265	22.2
	Total	12	2.1	44	7.6	134	23.4	283	52.4	78	69.6	551	23.1
invisible	Male	1	0.3	-	0.0	4	1.3	5	2.0	1	1.9	11	0.9
	Female	-	0.0	1	0.4	3	1.1	10	3.5	4	6.8	18	1.5
	Total	1	0.2	1	0.2	7	1.2	15	2.8	5	4.5	29	1.2

Arteriosclerosis (Keith-Wagener) - Left Eye

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80 - yr		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
not recorded	Male	-	0.0	2	0.7	4	1.3	3	1.2	-	0.0	9	0.8
	Female	-	0.0	1	0.4	2	0.7	2	0.7	2	3.4	7	0.6
	Total	-	0.0	3	0.5	6	1.0	5	0.9	2	1.8	16	0.7
nothing	Male	155	54.2	55	18.6	23	7.7	5	2.0	1	1.9	239	20.1
	Female	200	68.0	69	24.4	25	9.2	11	3.9	1	1.7	306	25.6
	Total	355	61.2	124	21.5	48	8.4	16	3.0	2	1.8	545	22.9
K-W I	Male	121	42.3	204	69.2	196	65.3	103	40.4	11	20.8	635	53.4
	Female	89	30.3	197	69.6	185	67.8	109	38.2	15	25.4	595	49.8
	Total	210	36.2	401	69.4	381	66.5	212	39.3	26	23.2	1230	51.6
K-W IIa	Male	9	3.1	32	10.8	71	23.7	134	52.5	36	67.9	282	23.7
	Female	5	1.7	15	5.3	56	20.5	150	52.6	38	64.4	264	22.1
	Total	14	2.4	47	8.1	127	22.2	284	52.6	74	66.1	546	22.9
invisible	Male	1	0.3	2	0.7	6	2.0	10	3.9	5	9.4	24	2.0
	Female	-	0.0	1	0.4	5	1.8	13	4.6	3	5.1	22	1.8
	Total	1	0.2	3	0.5	11	1.9	23	4.3	8	7.1	46	1.9

Macular Degeneration - Right Eye

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80 - yr		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
not recorded	Male	-	0.0	-	0.0	3	1.0	5	2.0	-	0.0	8	0.7
	Female	-	0.0	-	0.0	1	0.4	3	1.1	1	1.7	5	0.4
	Total	-	0.0	-	0.0	4	0.7	8	1.5	1	0.9	13	0.5
nothing	Male	269	94.1	266	90.2	236	78.7	182	71.4	36	67.9	989	83.2
	Female	287	97.6	268	94.7	225	82.4	207	72.6	31	52.5	1018	85.3
	Total	556	95.9	534	92.4	461	80.5	389	72.0	67	59.8	2007	84.2
drusen	Male	12	4.2	18	6.1	28	9.3	20	7.8	5	9.4	83	7.0
	Female	4	1.4	6	2.1	15	5.5	31	10.9	7	11.9	63	5.3
	Total	16	2.8	24	4.2	43	7.5	51	9.4	12	10.7	146	6.1
atrophic change	Male	-	0.0	2	0.7	3	1.0	4	1.6	2	3.8	11	0.9
	Female	-	0.0	-	0.0	2	0.7	6	2.1	4	6.8	12	1.0
	Total	-	0.0	2	0.3	5	0.9	10	1.9	6	5.4	23	1.0
exudative change	Male	-	0.0	-	0.0	2	0.7	2	0.8	-	0.0	4	0.3
	Female	-	0.0	1	0.4	-	0.0	-	0.0	-	0.0	1	0.1
	Total	-	0.0	1	0.2	2	0.3	2	0.4	-	0.0	5	0.2
epiretinal membrane	Male	1	0.3	1	0.3	6	2.0	5	2.0	-	0.0	13	1.1
	Female	-	0.0	1	0.4	5	1.8	5	1.8	1	1.7	12	1.0
	Total	1	0.2	2	0.3	11	1.9	10	1.9	1	0.9	25	1.0
invisible	Male	4	1.4	8	2.7	22	7.3	37	14.5	10	18.9	81	6.8
	Female	3	1.0	7	2.5	25	9.2	33	11.6	15	25.4	83	7.0
	Total	7	1.2	15	2.6	47	8.2	70	13.0	25	22.3	164	6.9

Macular Degeneration - Left Eye

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80 - yr		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
not recorded	Male	-	0.0	2	0.7	4	1.3	3	1.2	-	0.0	9	0.8
	Female	-	0.0	1	0.4	2	0.7	2	0.7	2	3.4	7	0.6
	Total	-	0.0	3	0.5	6	1.0	5	0.9	2	1.8	16	0.7
nothing	Male	276	96.5	266	90.2	245	81.7	189	74.1	34	64.2	1010	84.9
	Female	286	97.3	254	89.8	228	83.5	201	70.5	35	59.3	1004	84.1
	Total	562	96.9	520	90.0	473	82.5	390	72.2	69	61.6	2014	84.5
drusen	Male	4	1.4	12	4.1	21	7.0	16	6.3	3	5.7	56	4.7
	Female	3	1.0	5	1.8	14	5.1	26	9.1	5	8.5	53	4.4
	Total	7	1.2	17	2.9	35	6.1	42	7.8	8	7.1	109	4.6
atrophic change	Male	1	0.3	-	0.0	1	0.3	2	0.8	1	1.9	5	0.4
	Female	-	0.0	-	0.0	1	0.4	3	1.1	1	1.7	5	0.4
	Total	1	0.2	-	0.0	2	0.3	5	0.9	2	1.8	10	0.4
exudative change	Male	-	0.0	-	0.0	-	0.0	3	1.2	-	0.0	3	0.3
	Female	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Total	-	0.0	-	0.0	-	0.0	3	0.6	-	0.0	3	0.1
epiretinal membrane	Male	-	0.0	2	0.7	2	0.7	2	0.8	1	1.9	7	0.6
	Female	-	0.0	1	0.4	1	0.4	6	2.1	-	0.0	8	0.7
	Total	-	0.0	3	0.5	3	0.5	8	1.5	1	0.9	15	0.6
invisible	Male	5	1.7	13	4.4	27	9.0	40	15.7	14	26.4	99	8.3
	Female	5	1.7	22	7.8	27	9.9	47	16.5	16	27.1	117	9.8
	Total	10	1.7	35	6.1	54	9.4	87	16.1	30	26.8	216	9.1

6. Specular microscope

Corneal thickness was obtained with the Topcon SP-2000 specular microscope.

Central Corneal Thickness - Right Eye (mm)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80 - yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.523	0.031	285	0.525	0.032	295	0.519	0.031	298	0.519	0.031	253	0.514	0.033	53	0.521	0.031	1184
Female	0.517	0.031	294	0.513	0.035	283	0.517	0.032	273	0.515	0.028	281	0.514	0.030	55	0.515	0.032	1186
Total	0.520	0.031	579	0.519	0.034	578	0.518	0.032	571	0.517	0.030	534	0.514	0.031	108	0.518	0.032	2370

Central Corneal Thickness - Left Eye (mm)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80 - yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.526	0.031	286	0.529	0.032	293	0.523	0.030	296	0.524	0.032	252	0.521	0.031	53	0.525	0.031	1180
Female	0.521	0.031	294	0.517	0.035	283	0.522	0.032	272	0.521	0.029	282	0.517	0.031	56	0.520	0.031	1187
Total	0.524	0.031	580	0.523	0.034	576	0.523	0.031	568	0.523	0.030	534	0.519	0.031	109	0.523	0.031	2367

2) Auditory system

1. Pure-tone audiometry (Audiometer RION AA-73A)

Air conduction threshold of right ear at 125Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	20.1	7.6	285	22.5	8.0	295	27.6	12.0	300	32.5	13.2	254	37.8	15.0	52	26.0	11.8	1186
Female	19.8	5.8	293	23.1	9.0	282	27.7	11.7	273	34.4	13.6	283	39.9	11.5	59	26.9	12.1	1190
Total	19.9	6.7	578	22.8	8.5	577	27.6	11.9	573	33.5	13.4	537	38.9	13.2	111	26.4	12.0	2376

Air conduction threshold of right ear at 250Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	18.4	7.8	285	20.3	8.0	295	25.0	13.4	300	30.6	14.5	254	35.8	17.6	52	23.9	12.7	1186
Female	17.8	6.0	293	21.0	8.9	282	25.5	13.3	273	32.7	15.2	283	37.5	14.4	59	24.8	13.1	1190
Total	18.1	6.9	578	20.7	8.5	577	25.2	13.3	573	31.7	14.9	537	36.7	15.9	111	24.4	12.9	2376

Air conduction threshold of right ear at 500Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.2	7.0	285	16.4	8.3	295	21.4	15.0	300	28.0	15.7	254	32.6	17.0	52	20.3	13.5	1186
Female	13.8	6.7	293	16.8	9.4	282	22.3	14.8	273	30.1	16.4	283	37.1	16.6	59	21.5	14.4	1190
Total	14.0	6.9	578	16.6	8.8	577	21.8	14.9	573	29.1	16.1	537	35.0	16.8	111	20.9	14.0	2376

Air conduction threshold of right ear at 1000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	10.1	8.0	285	13.0	8.7	295	19.2	15.3	300	27.5	16.5	254	33.1	14.5	52	17.9	14.5	1186
Female	8.0	7.5	293	12.6	9.6	282	18.2	14.5	273	27.1	16.7	283	32.8	16.9	59	17.2	15.0	1190
Total	9.0	7.8	578	12.8	9.1	577	18.7	14.9	573	27.3	16.6	537	32.9	15.7	111	17.5	14.8	2376

Air conduction threshold of right ear at 2000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	12.8	9.2	285	17.4	10.4	295	27.1	16.8	300	35.8	17.0	254	46.3	16.4	52	23.9	16.9	1186
Female	11.1	9.0	293	16.1	9.3	282	23.6	14.3	273	32.0	16.1	283	39.4	17.0	59	21.5	15.5	1190
Total	11.9	9.1	578	16.8	9.9	577	25.4	15.7	573	33.8	16.6	537	42.7	17.0	111	22.7	16.3	2376

Air conduction threshold of right ear at 4000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	15.0	13.8	285	23.9	16.4	295	37.3	20.8	300	48.3	19.5	254	58.7	15.3	52	31.9	22.2	1186
Female	8.7	10.3	293	14.5	10.9	282	24.2	16.7	273	35.6	18.7	283	46.0	19.9	59	21.9	18.7	1190
Total	11.8	12.6	578	19.3	14.7	577	31.0	20.0	573	41.6	20.1	537	51.9	18.9	111	26.9	21.1	2376

Air conduction threshold of right ear at 8000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	18.1	15.9	285	30.1	17.1	295	46.9	21.4	300	62.7	19.5	254	73.5	15.6	52	40.4	25.5	1186
Female	13.8	12.0	293	23.8	16.0	282	38.6	20.8	273	56.0	20.7	283	66.6	16.7	59	34.5	24.6	1190
Total	16.0	14.2	578	27.0	16.9	577	43.0	21.5	573	59.2	20.4	537	69.8	16.5	111	37.4	25.2	2376

Bone conduction threshold of right ear at 250Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.9	7.3	285	16.7	7.9	295	19.1	9.3	299	23.9	10.5	254	30.4	13.6	52	19.0	9.9	1185
Female	15.2	6.5	293	16.6	7.2	282	19.9	9.1	273	27.4	11.3	282	32.4	11.1	58	20.3	10.3	1188
Total	15.0	6.9	578	16.6	7.5	577	19.5	9.2	572	25.7	11.1	536	31.5	12.3	110	19.7	10.1	2373

Bone conduction threshold of right ear at 500Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	8.4	7.2	285	9.7	8.7	295	13.8	10.4	299	19.7	12.4	254	25.1	15.7	52	13.2	11.2	1185
Female	8.4	7.1	293	10.3	8.4	282	14.3	10.1	273	22.1	12.2	282	30.2	13.6	58	14.6	11.6	1188
Total	8.4	7.1	578	10.0	8.5	577	14.1	10.3	572	21.0	12.3	536	27.8	14.8	110	13.9	11.4	2373

Bone conduction threshold of right ear at 1000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	9.2	7.5	285	11.9	8.3	295	17.1	11.9	299	25.8	14.4	254	32.4	15.0	52	16.4	13.0	1185
Female	8.1	7.8	293	12.0	9.2	282	17.5	11.0	273	25.6	12.6	282	32.6	14.9	58	16.5	12.9	1188
Total	8.6	7.7	578	11.9	8.7	577	17.3	11.5	572	25.7	13.5	536	32.5	14.9	110	16.5	12.9	2373

Bone conduction threshold of right ear at 2000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	12.8	8.2	285	17.3	9.7	295	26.3	14.3	299	34.5	15.4	254	44.5	16.0	52	23.4	15.4	1185
Female	11.5	8.5	293	16.8	8.8	282	23.0	12.3	273	31.1	13.9	282	38.8	14.3	58	21.4	13.9	1188
Total	12.1	8.4	578	17.0	9.3	577	24.7	13.4	572	32.7	14.7	536	41.5	15.3	110	22.4	14.7	2373

Bone conduction threshold of right ear at 4000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	12.4	12.1	285	20.2	14.3	295	31.2	16.2	299	40.6	15.3	254	49.6	10.8	52	26.7	18.3	1185
Female	7.0	8.7	293	11.8	9.8	282	19.9	13.7	273	30.6	15.1	282	40.2	15.6	58	18.3	15.8	1188
Total	9.7	10.8	578	16.1	13.0	577	25.8	16.0	572	35.3	16.0	536	44.6	14.3	110	22.5	17.6	2373

Air conduction threshold of left ear at 125Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	17.8	8.3	285	20.4	8.4	295	24.1	10.8	299	29.7	13.3	253	36.2	14.6	52	23.4	11.7	1184
Female	18.1	6.1	293	20.6	9.5	282	25.0	11.4	273	31.5	12.7	281	35.1	12.9	59	24.3	11.7	1188
Total	17.9	7.3	578	20.5	9.0	577	24.5	11.1	572	30.7	13.0	534	35.6	13.7	111	23.8	11.7	2372

Air conduction threshold of left ear at 250Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	16.4	9.0	285	17.9	8.0	295	22.3	13.0	300	28.4	15.1	253	34.2	15.4	52	21.6	12.8	1185
Female	16.0	5.9	293	18.3	10.2	282	22.7	12.6	273	29.5	14.1	282	34.4	14.8	59	22.2	12.7	1189
Total	16.2	7.6	578	18.1	9.1	577	22.5	12.8	573	29.0	14.6	535	34.3	15.0	111	21.9	12.7	2374

Air conduction threshold of left ear at 500Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	13.4	9.5	285	15.2	8.5	295	19.7	14.7	300	26.7	16.3	253	32.2	16.2	52	19.1	13.9	1185
Female	12.3	6.5	293	15.2	10.6	282	19.8	14.1	273	27.3	15.0	282	33.5	16.9	59	19.3	13.8	1189
Total	12.9	8.1	578	15.2	9.6	577	19.7	14.4	573	27.0	15.6	535	32.9	16.5	111	19.2	13.9	2374

Air conduction threshold of left ear at 1000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	10.8	10.1	285	13.2	9.6	295	19.3	15.9	300	28.0	17.0	253	33.8	17.8	52	18.2	15.4	1185
Female	7.1	7.4	293	12.0	11.3	282	17.2	14.8	273	24.7	14.8	282	31.1	18.7	59	16.0	14.7	1189
Total	8.9	9.0	578	12.6	10.5	577	18.3	15.4	573	26.3	16.0	535	32.4	18.2	111	17.1	15.1	2374

Air conduction threshold of left ear at 2000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.1	11.6	285	18.7	11.8	295	28.5	18.0	300	38.5	17.7	253	46.4	19.1	52	25.5	18.2	1185
Female	10.9	9.2	293	16.8	11.3	282	23.0	14.3	273	31.3	14.5	282	39.0	18.7	59	21.3	15.4	1189
Total	12.5	10.6	578	17.8	11.6	577	25.9	16.5	573	34.7	16.5	535	42.5	19.2	111	23.4	17.0	2374

Air conduction threshold of left ear at 4000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	15.8	15.1	285	26.3	17.2	295	38.8	19.7	300	49.6	18.0	253	61.0	16.7	52	33.5	22.1	1185
Female	8.7	9.9	293	15.8	12.8	282	25.5	17.2	273	35.4	17.1	282	46.7	19.0	59	22.5	18.6	1189
Total	12.2	13.2	578	21.2	16.0	577	32.5	19.7	573	42.1	18.9	535	53.4	19.3	111	27.9	21.2	2374

Air conduction threshold of left ear at 8000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	17.0	16.2	285	29.1	19.4	295	45.3	21.0	300	61.8	18.6	253	72.0	17.7	52	39.2	25.8	1185
Female	11.1	11.2	293	22.5	16.2	282	36.0	19.6	273	54.1	19.2	282	65.3	16.2	59	32.4	24.2	1189
Total	14.0	14.2	578	25.9	18.2	577	40.9	20.8	573	57.7	19.3	535	68.5	17.2	111	35.8	25.2	2374

Bone conduction threshold of left ear at 250Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.2	7.0	285	16.3	7.2	295	18.3	9.2	300	24.9	11.7	253	29.9	13.7	52	18.7	10.2	1185
Female	14.3	6.3	293	15.1	7.6	282	19.2	8.4	273	26.0	11.9	281	31.6	11.4	58	19.2	10.4	1187
Total	14.3	6.6	578	15.7	7.5	577	18.7	8.8	573	25.5	11.8	534	30.8	12.5	110	19.0	10.3	2372

Bone conduction threshold of left ear at 500Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	8.2	8.4	285	9.6	8.4	295	12.6	10.1	300	20.8	13.4	253	26.7	17.1	52	13.2	11.9	1185
Female	7.5	7.0	293	9.4	8.3	282	13.8	9.8	273	21.1	13.0	281	27.8	13.7	58	13.6	11.7	1187
Total	7.8	7.7	578	9.5	8.3	577	13.2	10.0	573	20.9	13.2	534	27.3	15.4	110	13.4	11.8	2372

Bone conduction threshold of left ear at 1000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	9.7	9.2	285	12.2	8.6	295	17.4	11.8	300	27.0	14.8	253	32.1	17.4	52	17.0	13.5	1185
Female	7.6	8.0	293	11.8	9.5	282	17.2	11.2	273	25.0	12.9	281	31.7	16.4	58	16.1	13.1	1187
Total	8.7	8.7	578	12.0	9.0	577	17.3	11.5	573	25.9	13.9	534	31.9	16.8	110	16.5	13.3	2372

Bone conduction threshold of left ear at 2000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.6	10.3	285	19.6	11.7	295	27.7	14.7	300	38.5	16.0	253	46.2	17.7	52	25.7	16.6	1185
Female	12.3	8.9	293	17.9	9.6	282	23.8	12.1	273	31.6	13.6	281	39.2	14.8	58	22.2	13.9	1187
Total	13.5	9.6	578	18.8	10.8	577	25.9	13.7	573	34.9	15.2	534	42.5	16.5	110	23.9	15.4	2372

Bone conduction threshold of left ear at 4000Hz (dBHL)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	12.8	12.3	285	21.6	14.5	295	32.3	16.0	300	42.3	14.5	253	50.2	11.5	52	27.9	18.4	1185
Female	7.2	8.5	293	12.9	10.7	282	21.2	14.3	273	31.2	14.8	281	41.6	14.3	58	19.1	16.0	1187
Total	10.0	10.9	578	17.3	13.5	577	27.0	16.2	573	36.4	15.6	534	45.6	13.7	110	23.5	17.8	2372

2. Impedance Audiometry

Tympanometric peak pressure in the single frequency tympanogram at 226Hz for right ear (daPa)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1.7	16.9	281	-3.9	33.8	283	-7.7	42.6	286	-9.3	41.9	238	-6.0	34.7	51	-4.7	35.2	1139
Female	3.4	13.1	291	-2.3	28.7	277	-2.5	40.9	263	-8.2	41.5	264	-17.8	50.9	54	-3.0	34.1	1149
Total	2.6	15.1	572	-3.1	31.3	560	-5.2	41.8	549	-8.7	41.6	502	-12.0	44.0	105	-3.8	34.7	2288

Static compliance in the single frequency tympanogram at 226Hz for right ear (ml)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.85	0.74	281	1.01	0.91	283	1.03	0.92	286	0.94	0.87	238	0.89	0.76	51	0.96	0.86	1139
Female	0.69	0.47	291	0.79	0.73	277	0.76	0.76	263	0.71	0.75	264	0.52	0.33	54	0.73	0.67	1149
Total	0.77	0.62	572	0.90	0.83	560	0.90	0.86	549	0.82	0.82	502	0.70	0.61	105	0.84	0.78	2288

Tympanometric peak pressure in the single frequency tympanogram at 226Hz for left ear (daPa).

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.7	21.6	280	-4.8	33.2	284	-6.7	41.3	283	-11.7	51.4	243	12.3	138.1	49	-4.6	47.0	1139
Female	5.1	12.9	279	-0.1	28.8	269	-6.4	38.8	256	-8.4	60.6	246	-22.0	57.7	54	-3.2	40.2	1104
Total	2.9	17.9	559	-2.5	31.2	553	-6.6	40.1	539	-10.0	56.2	489	-5.7	104.9	103	-3.9	43.8	2243

Static compliance in the single frequency tympanogram at 226Hz for left ear (ml)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.87	0.70	280	0.89	0.76	284	1.01	0.88	283	0.95	0.86	243	0.85	0.80	48	0.93	0.80	1138
Female	0.70	0.54	279	0.74	0.70	269	0.74	0.72	256	0.69	0.84	246	0.57	0.41	54	0.71	0.69	1104
Total	0.78	0.63	559	0.82	0.73	553	0.88	0.82	539	0.82	0.86	489	0.70	0.64	102	0.82	0.76	2242

Middle ear resonance frequency for right ear (Hz)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	860.6	247.1	271	819.7	212.7	272	830.8	248.2	262	859.5	270.6	212	788.0	245.9	46	839.4	244.4	1063
Female	914.5	242.5	267	852.1	242.2	260	905.7	266.9	238	903.2	273.9	231	889.8	277.6	44	893.3	257.5	1040
Total	887.3	246.1	538	835.5	227.9	532	866.4	259.7	500	882.3	272.9	443	837.8	265.4	90	866.1	252.4	2103

Middle ear resonance frequency for left ear (Hz)

	40			50			60			70			80			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	827.5	225.1	260	799.6	220.2	262	817.3	249.3	254	815.6	248.3	199	851.1	290.2	44	816.5	237.6	1019
Female	886.2	231.6	261	861.7	267.7	239	867.8	256.4	233	901.0	274.8	210	801.1	283.1	45	875.2	258.7	988
Total	856.9	230.1	521	829.2	245.8	501	841.5	253.7	487	859.4	265.4	409	825.8	286.1	89	845.4	249.9	2007

3. Distortion product otoacoustic emission (Otoacoustic Distortion Product Analyser, ILO92 (F) Otodynamics)

f2-f2 DPOAEs were measured by ILO 92 with the following parameters for the DP-gram: ratio of primary tones f2 / f1 =1.22 ; stimulus intensity of primary tones F1 =70dB SPL and F2 =70dB SPL. DP-gram were recorded in 8 points/octave over a frequency range of the f2 which extended from 1001 to 6165 Hz. In this manner, 22 points in total were measured.

DP amplitudes above the noise floor at seven f2 frequencies (f2 =1001, 1416, 2002, 3088, 4004, 5652 and 6165) were analyzed by age groups.

DP amplitudes above the noise floor at f2=1001 Hz (Right ear)

	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	6.7	277	2.6	7.2	287	0.3	7.4	294	-2.9	7.6	241	-5.5	6.9	47	1.1	7.8	1146
Female	5.5	7.4	293	3.0	7.7	277	-0.5	7.5	269	-2.0	7.2	272	-5.4	5.7	55	1.3	8.1	1166
Total	5.3	7.1	570	2.8	7.4	564	-0.1	7.5	563	-2.4	7.4	513	-5.4	6.2	102	1.2	7.9	2312

DP amplitudes above the noise floor at f2=1001 Hz (Left ear)

	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	4.4	7.0	280	2.4	7.6	286	0.3	7.4	291	-2.5	7.3	245	-4.5	6.3	49	1.0	7.8	1151
Female	5.5	6.6	290	3.2	7.6	277	0.5	7.3	268	-2.4	7.1	276	-5.1	5.4	56	1.4	7.8	1167
Total	5.0	6.8	570	2.8	7.6	563	0.4	7.4	559	-2.5	7.2	521	-4.8	5.8	105	1.2	7.8	2318

DP amplitudes above the noise floor at f2=1416 Hz (Right ear)

	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	9.9	7.3	277	7.6	8.5	287	5.0	8.3	294	1.5	9.2	241	-0.7	7.9	47	5.9	8.9	1146
Female	11.0	6.8	293	7.7	8.5	277	5.1	8.5	269	1.7	8.6	270	-2.4	8.3	55	6.1	9.0	1164
Total	10.5	7.1	570	7.7	8.5	564	5.0	8.4	563	1.6	8.9	511	-1.6	8.1	102	6.0	9.0	2310

DP amplitudes above the noise floor at f2=1416 Hz (Left ear)

	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	9.0	7.7	280	7.3	8.2	286	4.3	8.2	291	1.0	8.7	246	-1.2	7.9	49	5.3	8.8	1152
Female	10.9	7.5	290	8.6	8.0	277	5.3	8.3	268	1.6	10.0	276	-1.4	6.8	56	6.3	9.2	1167
Total	10.0	7.7	570	8.0	8.1	563	4.8	8.2	559	1.3	9.4	522	-1.3	7.3	105	5.8	9.0	2319

DP amplitudes above the noise floor at f2=2002 Hz (Right ear)

	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	9.6	7.6	277	7.4	8.9	287	4.5	8.6	294	1.5	8.9	241	-2.0	6.6	47	5.5	9.0	1146
Female	11.8	7.1	293	8.0	9.0	277	5.6	9.1	269	3.1	8.8	272	-0.6	8.9	55	6.9	9.2	1166
Total	10.7	7.4	570	7.7	8.9	564	5.0	8.9	563	2.4	8.9	513	-1.3	7.9	102	6.2	9.2	2312

DP amplitudes above the noise floor at f2=2002 Hz (Left ear)

	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	9.0	7.5	280	7.1	8.5	286	3.9	9.1	291	0.0	9.0	246	-1.8	8.3	49	4.9	9.2	1152
Female	11.2	7.7	290	8.5	8.9	277	6.5	8.2	268	3.1	8.9	276	0.9	8.2	56	7.1	9.0	1167
Total	10.2	7.7	570	7.8	8.8	563	5.1	8.8	559	1.6	9.1	522	-0.3	8.3	105	6.0	9.2	2319

DP amplitudes above the noise floor at f2=3088 Hz (Right ear)

	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	10.2	7.6	277	5.8	8.3	287	1.3	8.5	294	-1.5	7.6	241	-4.2	6.6	47	3.7	9.2	1146
Female	11.0	7.0	293	7.6	8.3	277	3.9	9.0	269	1.0	8.2	272	-1.8	8.3	55	5.6	9.1	1166
Total	10.6	7.3	570	6.6	8.3	564	2.5	8.8	563	-0.1	8.0	513	-2.9	7.7	102	4.7	9.2	2312

DP amplitudes above the noise floor at f2=3088 Hz (Left ear)

	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	9.6	8.2	280	5.2	8.8	286	1.3	8.4	291	-2.6	7.8	246	-3.5	7.5	49	3.2	9.5	1152
Female	10.7	7.8	290	7.5	8.2	277	4.6	8.5	268	1.3	8.7	276	-1.8	7.8	56	5.7	9.1	1167
Total	10.1	8.0	570	6.3	8.6	563	2.9	8.6	559	-0.5	8.5	522	-2.6	7.7	105	4.5	9.4	2319

DP amplitudes above the noise floor at f2=4004 Hz (Right ear)

	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	10.6	8.8	277	6.5	9.6	287	0.9	9.9	294	-2.5	7.9	240	-4.5	6.5	47	3.7	10.4	1145
Female	13.4	7.8	293	9.4	9.0	277	4.7	9.6	269	1.2	9.1	272	-4.2	8.9	55	6.8	10.3	1166
Total	12.0	8.4	570	7.9	9.4	564	2.7	9.9	563	-0.5	8.8	512	-4.3	7.9	102	5.2	10.4	2311

DP amplitudes above the noise floor at f2=4004 Hz (Left ear)

	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	10.2	7.6	280	5.6	9.1	286	0.4	9.6	291	-3.7	8.1	246	-5.2	7.4	49	2.9	10.1	1152
Female	13.2	7.2	290	9.4	8.5	277	5.2	9.0	268	1.1	9.2	276	-2.4	8.6	56	6.9	9.8	1167
Total	11.7	7.5	570	7.5	9.0	563	2.7	9.6	559	-1.1	9.0	522	-3.7	8.1	105	4.9	10.1	2319

DP amplitudes above the noise floor at f2=5652 Hz (Right ear)

	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	11.1	9.8	277	4.4	9.9	287	-0.6	8.7	294	-4.9	7.5	241	-5.3	4.8	47	2.4	10.7	1146
Female	16.7	8.2	293	10.7	10.2	277	4.5	9.9	269	-0.2	10.0	272	-5.1	7.7	55	7.5	11.7	1166
Total	14.0	9.4	570	7.5	10.5	564	1.8	9.7	563	-2.4	9.2	513	-5.2	6.5	102	5.0	11.5	2312

DP amplitudes above the noise floor at f2=5652 Hz (Left ear)

	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	10.6	9.7	280	4.2	10.0	286	-1.4	8.9	291	-3.9	7.1	246	-6.6	4.4	49	2.2	10.6	1152
Female	16.2	8.3	290	11.2	10.0	277	4.9	10.0	268	-0.1	9.4	276	-4.0	7.9	56	7.6	11.4	1167
Total	13.4	9.4	570	7.7	10.6	563	1.6	10.0	559	-1.9	8.6	522	-5.2	6.6	105	4.9	11.3	2319

DP amplitudes above the noise floor at f2=6165 Hz (Right ear)

	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	10.7	9.5	277	2.9	9.9	287	-1.6	8.4	294	-5.3	7.0	241	-6.3	6.8	47	1.5	10.6	1146
Female	15.4	8.7	293	9.0	10.2	277	3.3	9.8	269	-0.7	9.2	272	-3.9	6.9	55	6.4	11.3	1166
Total	13.1	9.4	570	5.9	10.5	564	0.7	9.4	563	-2.9	8.6	513	-5.0	6.9	102	4.0	11.2	2312

DP amplitudes above the noise floor at f2=6165 Hz (Left ear)

	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	10.3	10.1	280	3.2	9.6	286	-1.5	8.4	291	-5.4	7.2	246	-7.5	6.6	49	1.5	10.7	1152
Female	14.7	8.9	290	9.4	10.2	277	2.5	9.5	267	-1.5	9.5	276	-4.9	9.2	56	5.9	11.6	1166
Total	12.6	9.8	570	6.3	10.4	563	0.4	9.1	558	-3.3	8.7	522	-6.1	8.1	105	3.7	11.4	2318

IX. Physiological Examinations

IX. Physiological Examinations

1) Cardiovascular system

1. Blood pressure and pulse rate
2. Electrocardiography
3. Ultrasonic cardiography
4. Intima-media thickness of carotid artery

1) Cardiovascular system

1. Blood pressure and pulse rate

(Automatic blood pressure analyzer, BP-204RV, Colin, Inc. .)

Systolic Blood Pressure (mmHg)

	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	119.5	14.0	286	121.8	16.2	295	122.2	16.8	300	126.7	19.8	255	125.5	18.3	53	122.6	17.0	1189
Female	108.9	15.0	294	114.6	18.2	283	120.2	18.1	273	123.4	19.4	285	123.8	21.7	59	117.0	18.8	1194
Total	114.1	15.4	580	118.3	17.6	578	121.3	17.5	573	125.0	19.6	540	124.6	20.1	112	119.8	18.1	2383

Diastolic Blood Pressure (mmHg)

	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	75.3	9.6	286	77.4	10.4	295	76.6	10.4	300	75.9	10.7	255	73.0	9.9	53	76.2	10.3	1189
Female	67.2	9.3	294	71.4	10.9	283	73.3	10.4	273	72.9	11.0	285	70.7	11.6	59	71.1	10.7	1194
Total	71.2	10.3	580	74.4	11.1	578	75.0	10.5	573	74.4	10.9	540	71.8	10.8	112	73.6	10.8	2383

Pulse Rate (/min)

	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	66.2	9.6	286	67.9	9.3	295	67.8	10.1	300	70.2	11.6	255	72.5	10.5	53	68.1	10.3	1189
Female	71.3	10.4	294	71.3	9.4	283	71.3	10.3	273	73.7	10.0	285	73.2	9.2	59	71.9	10.0	1194
Total	68.8	10.3	580	69.6	9.5	578	69.4	10.3	573	72.1	10.9	540	72.8	9.8	112	70.1	10.3	2383

2. Electrocardiography

(Automatic EKG analyzer, Kartizer5500, NEC Corp.,)

Heart Rate (/min)

	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	61.3	9.3	284	63.0	9.6	295	62.3	9.5	300	65.3	12.8	255	66.1	11.4	53	63.1	10.5	1187
Female	64.7	9.4	294	64.1	8.2	282	64.0	9.7	273	67.0	10.7	285	65.9	8.5	58	65.0	9.5	1192
Total	63.0	9.5	578	63.6	9.0	577	63.1	9.6	573	66.2	11.7	540	66.0	9.9	111	64.0	10.1	2379

PR-interval (msec)

	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	154.1	22.4	283	161.0	21.7	291	166.0	23.3	296	166.2	23.3	242	175.7	31.0	48	162.3	23.7	1160
Female	144.4	18.1	294	155.0	20.4	280	157.6	21.0	272	158.4	22.8	280	162.6	25.3	58	154.1	21.6	1184
Total	149.1	20.9	577	158.0	21.3	571	162.0	22.6	568	162.0	23.3	522	168.5	28.7	106	158.2	23.0	2344

QRS-width (msec)

	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	92.0	9.9	284	91.9	10.6	295	93.7	14.2	300	94.5	15.8	255	96.7	18.5	53	93.2	13.1	1187
Female	82.5	10.6	294	84.6	10.1	282	85.7	11.6	273	85.7	12.2	285	86.1	15.4	58	84.7	11.4	1192
Total	87.2	11.3	578	88.3	11.0	577	89.9	13.6	573	89.9	14.7	540	91.1	17.7	111	88.9	13.0	2379

QT-interval (msec)

	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	397.1	27.3	284	397.4	25.7	295	401.2	27.7	299	401.4	31.0	255	401.1	26.3	53	399.3	27.8	1186
Female	399.1	27.3	294	402.4	24.3	282	406.1	29.8	273	403.9	30.6	285	405.0	37.8	58	402.9	28.7	1192
Total	398.1	27.3	578	399.8	25.1	577	403.6	28.8	572	402.7	30.8	540	403.1	32.7	111	401.1	28.3	2378

QTc-interval (msec)

	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	398.3	19.9	284	404.3	21.3	295	405.5	21.6	299	414.2	24.1	255	417.4	26.0	53	405.9	22.7	1186
Female	411.3	19.6	294	413.5	19.0	282	416.2	23.2	273	423.1	22.6	285	421.1	25.8	58	416.2	21.8	1192
Total	404.9	20.8	578	408.8	20.7	577	410.6	23.0	572	418.9	23.7	540	419.3	25.8	111	411.1	22.8	2378

S (V1)-height (mV)

	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	-0.915	0.429	284	-0.830	0.422	293	-0.822	0.459	293	-0.801	0.438	246	-0.710	0.413	49	-0.838	0.439	1165
Female	-0.909	0.376	293	-0.819	0.382	281	-0.784	0.395	269	-0.762	0.441	274	-0.797	0.549	58	-0.819	0.411	1175
Total	-0.912	0.403	577	-0.825	0.403	574	-0.804	0.430	562	-0.780	0.440	520	-0.757	0.491	107	-0.828	0.425	2340

R (V5)-height (mV)

	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	1.604	0.498	284	1.712	0.551	295	1.777	0.636	300	1.823	0.689	255	1.830	0.750	53	1.732	0.608	1187
Female	1.243	0.421	294	1.437	0.512	282	1.536	0.446	273	1.651	0.625	285	1.583	0.590	58	1.470	0.532	1192
Total	1.421	0.494	578	1.578	0.549	577	1.662	0.566	573	1.732	0.661	540	1.701	0.680	111	1.601	0.586	2379

QRS-axis (degree)

	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	51.9	28.2	283	41.8	29.8	295	39.2	35.1	299	34.2	33.3	253	36.8	39.7	52	41.7	32.7	1182
Female	57.3	27.0	294	49.1	27.8	280	37.4	29.4	272	29.3	28.9	285	21.8	31.3	58	42.4	30.6	1189
Total	54.7	27.7	577	45.4	29.0	575	38.3	32.5	571	31.6	31.1	538	28.9	36.2	110	42.1	31.7	2371

P-axis (degree)

	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	47.5	27.8	276	49.1	28.8	289	52.2	29.3	293	55.1	28.6	236	62.6	25.4	47	51.3	28.7	1141
Female	48.8	27.2	290	52.5	23.3	278	47.8	29.6	269	48.1	27.5	273	51.3	32.1	55	49.4	27.3	1165
Total	48.2	27.5	566	50.8	26.3	567	50.1	29.5	562	51.3	28.2	509	56.5	29.6	102	50.3	28.0	2306