

Best-corrected Visual Acuity - 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	1	0.7	-	0.0	-	0.0	1	0.2
	Female	-	0.0	-	0.0	-	0.0	1	0.9	-	0.0	1	0.2
	Total	-	0.0	-	0.0	1	0.3	1	0.4	-	0.0	2	0.2
0.3 or worse	Male	-	0.0	-	0.0	3	2.0	5	4.0	1	3.8	9	1.7
	Female	-	0.0	-	0.0	2	1.5	5	4.5	3	15.0	10	1.9
	Total	-	0.0	-	0.0	5	1.7	10	4.2	4	8.7	19	1.8
0.3-0.6	Male	1	0.8	1	1.0	12	7.9	18	14.3	7	26.9	39	7.2
	Female	1	0.7	3	2.3	6	4.4	19	17.0	5	25.0	34	6.4
	Total	2	0.7	4	1.7	18	6.3	37	15.5	12	26.1	73	6.8
0.7 or better	Male	131	99.2	102	99.0	135	89.4	103	81.7	18	69.2	489	90.9
	Female	136	99.3	128	97.7	127	94.1	87	77.7	12	60.0	490	91.6
	Total	267	99.3	230	98.3	262	91.6	190	79.8	30	65.2	979	91.2

Best-corrected Visual Acuity - Left 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	-	0.0	-	0.0	1	3.8	1	0.2
	Female	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Total	-	0.0	-	0.0	-	0.0	-	0.0	1	2.2	1	0.1
0.3 or worse	Male	-	0.0	-	0.0	3	2.0	3	2.4	-	0.0	6	1.1
	Female	1	0.7	1	0.8	2	1.5	5	4.5	3	15.0	12	2.2
	Total	1	0.4	1	0.4	5	1.7	8	3.4	3	6.5	18	1.7
0.3-0.6	Male	-	0.0	-	0.0	7	4.6	19	15.1	9	34.6	35	6.5
	Female	-	0.0	-	0.0	9	6.7	16	14.3	6	30.0	31	5.8
	Total	-	0.0	-	0.0	16	5.6	35	14.7	15	32.6	66	6.2
0.7 or better	Male	132	100.0	103	100.0	141	93.4	104	82.5	16	61.5	496	92.2
	Female	136	99.3	130	99.2	124	91.9	91	81.3	11	55.0	492	92.0
	Total	268	99.6	233	99.6	265	92.7	195	81.9	27	58.7	988	92.1

3. Contrast sensitivity

Contrast sensitivity was measured at 1.5, 3, 6, 12, 18 cycles per degree with Vistech VCTS-6500.

Contrast Sensitivity at 1.5 cycles/degree

	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	47.2	21.4	132	48.4	24.4	103	40.1	17.2	149	34.5	14.1	125	33.6	18.1	26	41.8	20.0	535
Female	43.1	18.6	137	42.9	18.1	131	38.3	14.6	135	34.1	14.6	109	30.5	16.7	18	39.5	17.1	530
Total	45.1	20.1	269	45.3	21.2	234	39.3	16.0	284	34.3	14.3	234	32.3	17.4	44	40.7	18.6	1065

Contrast Sensitivity at 3 cycles/degree

	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	103.0	42.4	132	96.6	42.5	103	92.3	44.7	149	67.5	37.1	125	59.3	39.6	26	88.4	44.1	535
Female	98.5	38.5	137	101.8	43.1	131	84.0	39.5	135	61.6	28.8	109	52.9	35.6	18	86.5	41.3	530
Total	100.7	40.4	269	99.5	42.9	234	88.3	42.4	284	64.7	33.5	234	56.7	37.7	44	87.4	42.7	1065

Contrast Sensitivity at 6 cycles/degree

	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	111.9	44.7	132	110.9	54.0	103	96.1	51.0	149	56.6	35.3	125	39.8	30.9	26	90.9	51.9	535
Female	115.6	48.6	137	115.8	46.5	131	94.1	50.2	135	58.7	38.5	109	38.2	27.6	18	95.8	52.0	530
Total	113.8	46.7	269	113.7	49.9	234	95.1	50.5	284	57.6	36.7	234	39.1	29.3	44	93.3	52.0	1065

Contrast Sensitivity at 12 cycles/degree

	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	65.7	33.2	132	63.9	34.7	103	55.7	37.8	149	23.4	24.9	125	21.3	24.5	26	50.5	37.2	535
Female	70.6	36.8	137	66.3	38.0	131	51.9	37.7	135	27.9	31.2	109	12.5	15.4	18	54.0	39.7	530
Total	68.2	35.1	269	65.2	36.6	234	53.9	37.7	284	25.5	28.1	234	17.7	21.5	44	52.3	38.5	1065

Contrast Sensitivity at 18 cycles/degree

	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	21.8	14.1	132	21.0	12.6	103	15.8	13.0	149	8.1	9.0	125	5.9	9.5	26	16.0	13.5	535
Female	24.4	14.1	137	22.4	14.6	131	15.6	12.3	135	7.8	8.7	109	5.0	6.0	18	17.6	14.2	530
Total	23.1	14.2	269	21.8	13.8	234	15.7	12.6	284	7.9	8.9	234	5.5	8.2	44	16.8	13.9	1065

4. Intraocular pressure

Intraocular pressure was measured three times for each eye with a noncontact tomometer (NIDEK NT-3000) between 9 and 12 AM. The mean value of the three measurements was used for analysis.

Intraocular Pressure - Right Eye (mmHg)

	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	13.01	2.43	132	12.96	2.40	103	12.51	2.91	150	12.27	2.57	126	11.59	2.86	26	12.62	2.64	537
Female	12.45	2.49	137	12.00	2.48	131	12.27	2.35	135	12.13	2.91	112	11.65	3.62	20	12.20	2.59	535
Total	12.72	2.47	269	12.43	2.49	234	12.40	2.66	285	12.21	2.73	238	11.61	3.17	46	12.41	2.62	1072

Intraocular Pressure - Left Eye (mmHg)

	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	12.95	2.48	132	13.05	2.73	103	12.44	2.69	151	12.17	2.56	126	11.32	1.78	26	12.56	2.61	538
Female	12.40	2.48	137	12.08	2.43	131	12.29	2.31	135	12.21	2.46	112	11.68	2.91	20	12.23	2.43	535
Total	12.67	2.49	269	12.51	2.61	234	12.37	2.51	286	12.19	2.51	238	11.48	2.32	46	12.40	2.53	1073

5. Retinal fundus camera

Fundus photographs were taken with Topcon fundus camera (TRC-NW5S) at 20 and 45 degree angles for each eye without pupil dilatation.

Diabetic retinopathy, Arteriosclerosis, and macular degeneration were assessed on the photograph at 45 degree angles.

Vertical cup to disc ratio was measured on the photograph at 20 degree angles.

Cup-Disc Ratio of Optic Disc - Right Eye

	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	0.48	0.11	132	0.49	0.10	103	0.49	0.11	146	0.51	0.13	122	0.57	0.14	25	0.50	0.12	528
Female	0.48	0.11	137	0.45	0.10	130	0.50	0.13	133	0.52	0.12	108	0.51	0.10	18	0.49	0.12	526
Total	0.48	0.11	269	0.47	0.10	233	0.49	0.12	279	0.52	0.13	230	0.54	0.13	43	0.49	0.12	1054

Cup-Disc Ratio of Optic Disc - Left Eye

	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	0.47	0.11	132	0.47	0.10	103	0.48	0.12	147	0.50	0.13	123	0.53	0.13	25	0.49	0.12	530
Female	0.47	0.11	137	0.45	0.11	130	0.49	0.12	134	0.51	0.11	107	0.50	0.12	19	0.48	0.11	527
Total	0.47	0.11	269	0.46	0.10	233	0.49	0.12	281	0.51	0.12	230	0.52	0.12	44	0.48	0.12	1057

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	2.0	3	2.4	-	0.0	6	1.1
	Female	-	0.0	-	0.0	1	0.7	-	0.0	-	0.0	1	0.2
	Total	-	0.0	-	0.0	4	1.4	3	1.3	-	0.0	7	0.7
nothing	Male	132	100.0	103	100.0	144	95.4	120	95.2	26	100.0	525	97.6
	Female	137	100.0	129	98.5	131	97.0	105	93.8	18	90.0	520	97.2
	Total	269	100.0	232	99.1	275	96.2	225	94.5	44	95.7	1045	97.4
simple	Male	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Female	-	0.0	-	0.0	1	0.7	-	0.0	-	0.0	1	0.2
	Total	-	0.0	-	0.0	1	0.3	-	0.0	-	0.0	1	0.1
preproliferative	Male	-	0.0	-	0.0	2	1.3	-	0.0	-	0.0	2	0.4
	Female	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Total	-	0.0	-	0.0	2	0.7	-	0.0	-	0.0	2	0.2
invisible	Male	-	0.0	-	0.0	2	1.3	3	2.4	-	0.0	5	0.9
	Female	-	0.0	2	1.5	2	1.5	7	6.3	2	10.0	13	2.4
	Total	-	0.0	2	0.9	4	1.4	10	4.2	2	4.3	18	1.7

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	-	0.0	2	1.3	3	2.4	-	0.0	5	0.9
	Female	-	0.0	1	0.8	1	0.7	1	0.9	-	0.0	3	0.6
	Total	-	0.0	1	0.4	3	1.0	4	1.7	-	0.0	8	0.7
nothing	Male	132	100.0	103	100.0	143	94.7	119	94.4	24	92.3	521	96.8
	Female	137	100.0	129	98.5	131	97.0	106	94.6	18	90.0	521	97.4
	Total	269	100.0	232	99.1	274	95.8	225	94.5	42	91.3	1042	97.1
simple	Male	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Female	-	0.0	-	0.0	1	0.7	-	0.0	-	0.0	1	0.2
	Total	-	0.0	-	0.0	1	0.3	-	0.0	-	0.0	1	0.1
preproliferative	Male	-	0.0	-	0.0	2	1.3	-	0.0	-	0.0	2	0.4
	Female	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Total	-	0.0	-	0.0	2	0.7	-	0.0	-	0.0	2	0.2
invisible	Male	-	0.0	-	0.0	4	2.6	4	3.2	2	7.7	10	1.9
	Female	-	0.0	1	0.8	2	1.5	5	4.5	2	10.0	10	1.9
	Total	-	0.0	1	0.4	6	2.1	9	3.8	4	8.7	20	1.9

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	2.0	3	2.4	-	0.0	6	1.1
	Female	-	0.0	-	0.0	1	0.7	-	0.0	-	0.0	1	0.2
	Total	-	0.0	-	0.0	4	1.4	3	1.3	-	0.0	7	0.7
nothing	Male	58	43.9	13	12.6	9	6.0	-	0.0	-	0.0	80	14.9
	Female	79	57.7	29	22.1	6	4.4	-	0.0	-	0.0	114	21.3
	Total	137	50.9	42	17.9	15	5.2	-	0.0	-	0.0	194	18.1
K-W I	Male	68	51.5	72	69.9	90	59.6	54	42.9	3	11.5	287	53.3
	Female	55	40.1	94	71.8	92	68.1	31	27.7	2	10.0	274	51.2
	Total	123	45.7	166	70.9	182	63.6	85	35.7	5	10.9	561	52.3
K-W IIa	Male	6	4.5	18	17.5	47	31.1	67	53.2	23	88.5	161	29.9
	Female	3	2.2	7	5.3	34	25.2	74	66.1	16	80.0	134	25.0
	Total	9	3.3	25	10.7	81	28.3	141	59.2	39	84.8	295	27.5
invisible	Male	-	0.0	-	0.0	2	1.3	2	1.6	-	0.0	4	0.7
	Female	-	0.0	1	0.8	2	1.5	7	6.3	2	10.0	12	2.2
	Total	-	0.0	1	0.4	4	1.4	9	3.8	2	4.3	16	1.5

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	-	0.0	2	1.3	3	2.4	-	0.0	5	0.9
	Female	-	0.0	1	0.8	1	0.7	-	0.0	-	0.0	2	0.4
	Total	-	0.0	1	0.4	3	1.0	3	1.3	-	0.0	7	0.7
nothing	Male	57	43.2	13	12.6	8	5.3	-	0.0	-	0.0	78	14.5
	Female	79	57.7	28	21.4	6	4.4	-	0.0	-	0.0	113	21.1
	Total	136	50.6	41	17.5	14	4.9	-	0.0	-	0.0	191	17.8
K-W I	Male	69	52.3	72	69.9	88	58.3	53	42.1	3	11.5	285	53.0
	Female	54	39.4	95	72.5	91	67.4	34	30.4	3	15.0	277	51.8
	Total	123	45.7	167	71.4	179	62.6	87	36.6	6	13.0	562	52.4
K-W IIa	Male	6	4.5	18	17.5	49	32.5	67	53.2	21	80.8	161	29.9
	Female	4	2.9	7	5.3	35	25.9	75	67.0	15	75.0	136	25.4
	Total	10	3.7	25	10.7	84	29.4	142	59.7	36	78.3	297	27.7
invisible	Male	-	0.0	-	0.0	4	2.6	3	2.4	2	7.7	9	1.7
	Female	-	0.0	-	0.0	2	1.5	3	2.7	2	10.0	7	1.3
	Total	-	0.0	-	0.0	6	2.1	6	2.5	4	8.7	16	1.5

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	2.0	3	2.4	-	0.0	6	1.1
	Female	-	0.0	-	0.0	1	0.7	-	0.0	-	0.0	1	0.2
	Total	-	0.0	-	0.0	4	1.4	3	1.3	-	0.0	7	0.7
nothing	Male	130	98.5	98	95.1	118	78.1	93	73.8	18	69.2	457	84.9
	Female	136	99.3	127	96.9	116	85.9	79	70.5	12	60.0	470	87.9
	Total	266	98.9	225	96.2	234	81.8	172	72.3	30	65.2	927	86.4
drusen	Male	-	0.0	1	1.0	8	5.3	7	5.6	1	3.8	17	3.2
	Female	1	0.7	2	1.5	1	0.7	11	9.8	-	0.0	15	2.8
	Total	1	0.4	3	1.3	9	3.1	18	7.6	1	2.2	32	3.0
atrophic change	Male	-	0.0	1	1.0	1	0.7	3	2.4	2	7.7	7	1.3
	Female	-	0.0	-	0.0	2	1.5	3	2.7	2	10.0	7	1.3
	Total	-	0.0	1	0.4	3	1.0	6	2.5	4	8.7	14	1.3
exudative change	Male	-	0.0	-	0.0	1	0.7	-	0.0	-	0.0	1	0.2
	Female	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
	Total	-	0.0	-	0.0	1	0.3	-	0.0	-	0.0	1	0.1
epiretinal membrane	Male	-	0.0	-	0.0	5	3.3	2	1.6	-	0.0	7	1.3
	Female	-	0.0	-	0.0	2	1.5	-	0.0	-	0.0	2	0.4
	Total	-	0.0	-	0.0	7	2.4	2	0.8	-	0.0	9	0.8
invisible	Male	2	1.5	3	2.9	15	9.9	18	14.3	5	19.2	43	8.0
	Female	-	0.0	2	1.5	13	9.6	19	17.0	6	30.0	40	7.5
	Total	2	0.7	5	2.1	28	9.8	37	15.5	11	23.9	83	7.7

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	-	0.0	2	1.3	3	2.4	-	0.0	5	0.9
	Female	-	0.0	1	0.8	1	0.7	-	0.0	-	0.0	2	0.4
	Total	-	0.0	1	0.4	3	1.0	3	1.3	-	0.0	7	0.7
nothing	Male	129	97.7	97	94.2	126	83.4	100	79.4	15	57.7	467	86.8
	Female	134	97.8	118	90.1	117	86.7	82	73.2	12	60.0	463	86.5
	Total	263	97.8	215	91.9	243	85.0	182	76.5	27	58.7	930	86.7
drusen	Male	1	0.8	-	0.0	1	0.7	2	1.6	1	3.8	5	0.9
	Female	1	0.7	1	0.8	3	2.2	7	6.3	-	0.0	12	2.2
	Total	2	0.7	1	0.4	4	1.4	9	3.8	1	2.2	17	1.6
atrophic change	Male	-	0.0	-	0.0	1	0.7	1	0.8	1	3.8	3	0.6
	Female	-	0.0	-	0.0	1	0.7	1	0.9	-	0.0	2	0.4
	Total	-	0.0	-	0.0	2	0.7	2	0.8	1	2.2	5	0.5
epiretinal membrane	Male	-	0.0	1	1.0	1	0.7	2	1.6	-	0.0	4	0.7
	Female	-	0.0	-	0.0	1	0.7	2	1.8	-	0.0	3	0.6
	Total	-	0.0	1	0.4	2	0.7	4	1.7	-	0.0	7	0.7
invisible	Male	2	1.5	5	4.9	20	13.2	18	14.3	9	34.6	54	10.0
	Female	2	1.5	11	8.4	12	8.9	20	17.9	8	40.0	53	9.9
	Total	4	1.5	16	6.8	32	11.2	38	16.0	17	37.0	107	10.0

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	0.519	0.033	132	0.525	0.031	103	0.514	0.032	149	0.518	0.033	125	0.508	0.031	26	0.518	0.032	535
Female	0.515	0.034	137	0.510	0.034	131	0.516	0.034	135	0.514	0.027	111	0.512	0.032	18	0.514	0.033	532
Total	0.517	0.033	269	0.517	0.034	234	0.515	0.033	284	0.516	0.030	236	0.510	0.031	44	0.516	0.033	1067

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	0.523	0.033	132	0.528	0.031	103	0.521	0.031	149	0.522	0.033	124	0.515	0.027	26	0.523	0.032	534
Female	0.518	0.033	137	0.515	0.034	131	0.522	0.034	135	0.519	0.027	111	0.513	0.033	20	0.518	0.032	534
Total	0.521	0.033	269	0.521	0.033	234	0.521	0.032	284	0.521	0.030	235	0.514	0.030	46	0.520	0.032	1068

2) Auditory system

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

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	20.8	8.1	128	20.7	6.4	103	27.5	13.5	151	32.5	13.3	125	35.8	12.5	25	26.1	12.3	532
Female	19.2	6.1	137	22.5	10.2	131	27.3	10.5	135	33.3	13.7	111	39.3	9.5	20	25.7	11.7	534
Total	19.9	7.2	265	21.7	8.8	234	27.4	12.2	286	32.9	13.5	236	37.3	11.3	45	25.9	12.0	1066

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	18.8	8.6	128	18.7	6.4	103	25.3	15.3	151	31.2	14.5	125	33.4	14.8	25	24.2	13.4	532
Female	17.4	5.9	137	20.1	9.7	131	24.7	11.8	135	31.1	15.1	111	33.8	11.3	20	23.4	12.1	534
Total	18.1	7.3	265	19.5	8.4	234	25.0	13.7	286	31.1	14.8	236	33.6	13.2	45	23.8	12.8	1066

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	15.0	7.7	128	14.4	6.8	103	22.3	16.7	151	28.8	15.9	125	30.4	15.3	25	20.9	14.4	532
Female	13.5	6.7	137	16.4	10.2	131	21.2	13.4	135	29.3	16.2	111	32.3	11.9	20	20.1	13.4	534
Total	14.2	7.2	265	15.5	8.9	234	21.7	15.2	286	29.0	16.0	236	31.2	13.8	45	20.5	13.9	1066

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	11.1	9.8	128	11.5	7.6	103	20.4	16.7	151	27.5	16.1	125	29.8	13.9	25	18.5	15.2	532
Female	8.4	8.9	137	12.3	9.6	131	16.3	12.8	135	26.2	16.2	111	28.5	11.3	20	15.8	13.7	534
Total	9.7	9.4	265	11.9	8.8	234	18.4	15.1	286	26.9	16.1	236	29.2	12.7	45	17.2	14.5	1066

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	13.3	10.6	128	16.0	8.8	103	27.7	17.6	151	36.6	17.6	125	46.6	15.8	25	25.0	17.8	532
Female	12.0	11.2	137	16.3	9.7	131	21.3	12.2	135	30.1	15.9	111	36.3	12.6	20	20.1	14.2	534
Total	12.6	10.9	265	16.2	9.3	234	24.7	15.6	286	33.5	17.1	236	42.0	15.2	45	22.5	16.3	1066

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	15.3	14.5	128	22.3	14.2	103	36.9	21.9	151	49.4	20.3	125	59.2	13.2	25	32.8	22.9	532
Female	9.2	12.9	137	14.4	11.2	131	22.9	15.3	135	35.1	18.6	111	41.3	15.7	20	20.5	17.8	534
Total	12.1	14.0	265	17.9	13.2	234	30.2	20.3	286	42.7	20.7	236	51.2	16.8	45	26.7	21.4	1066

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	19.2	16.9	128	27.5	15.4	103	47.8	21.8	151	63.8	17.9	125	74.4	13.4	25	42.0	25.8	532
Female	14.1	14.3	137	26.4	17.6	131	39.0	19.7	135	57.7	21.7	111	64.3	16.7	20	34.4	24.6	534
Total	16.5	15.8	265	26.9	16.6	234	43.7	21.2	286	60.9	20.0	236	69.9	15.6	45	38.2	25.5	1066

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.5	7.3	128	13.9	6.6	103	18.1	9.9	151	23.7	11.3	125	29.0	13.2	25	18.2	10.3	532
Female	14.4	6.2	137	15.0	7.1	131	18.5	8.4	135	25.6	11.7	110	29.0	9.4	20	18.4	9.7	533
Total	14.4	6.8	265	14.5	6.9	234	18.3	9.2	286	24.6	11.5	235	29.0	11.6	45	18.3	10.0	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	8.8	7.0	128	8.2	7.6	103	14.0	11.0	151	20.2	12.7	125	23.4	15.4	25	13.5	11.5	532
Female	8.8	6.8	137	10.7	7.3	131	13.6	9.2	135	22.0	11.6	110	26.0	11.8	20	13.8	10.3	533
Total	8.8	6.9	265	9.6	7.5	234	13.8	10.2	286	21.0	12.2	235	24.6	13.8	45	13.7	10.9	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	10.2	8.3	128	10.9	8.0	103	17.9	12.2	151	26.0	14.1	125	30.4	15.1	25	17.2	13.2	532
Female	8.8	9.0	137	11.4	8.5	131	15.9	10.5	135	24.9	13.0	110	28.0	11.7	20	15.3	12.1	533
Total	9.5	8.7	265	11.2	8.2	234	17.0	11.4	286	25.5	13.5	235	29.3	13.6	45	16.2	12.7	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	12.8	8.4	128	16.2	8.9	103	26.5	14.3	151	34.9	15.6	125	45.2	15.0	25	24.1	15.8	532
Female	12.7	9.8	137	17.3	8.9	131	20.9	11.1	135	28.9	13.3	110	35.8	11.5	20	20.1	12.5	533
Total	12.8	9.2	265	16.8	8.9	234	23.8	13.2	286	32.1	14.8	235	41.0	14.2	45	22.1	14.4	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	12.2	11.6	128	19.3	13.3	103	30.6	17.0	151	42.2	15.7	125	51.8	8.9	25	27.7	19.0	532
Female	7.3	10.2	137	11.2	10.0	131	18.0	12.9	135	30.9	16.1	110	37.8	15.4	20	17.0	15.6	533
Total	9.7	11.1	265	14.8	12.2	234	24.7	16.5	286	36.9	16.8	235	45.6	14.0	45	22.4	18.2	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	18.2	8.2	128	19.8	7.8	103	24.2	11.6	151	31.4	14.8	125	32.2	13.6	25	24.0	12.4	532
Female	18.3	6.7	137	20.2	9.7	131	25.1	12.2	135	30.3	13.1	109	34.8	14.1	20	23.6	11.8	532
Total	18.3	7.5	265	20.0	8.9	234	24.6	11.9	286	30.9	14.1	234	33.3	13.7	45	23.8	12.1	1064

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	16.6	8.9	128	17.5	7.4	103	22.7	13.6	151	30.6	17.3	125	31.6	14.7	25	22.5	13.9	532
Female	16.4	6.4	137	18.1	10.4	131	23.1	14.1	135	28.4	14.5	110	33.8	16.9	20	21.6	12.9	533
Total	16.5	7.7	265	17.8	9.2	234	22.9	13.8	286	29.6	16.1	235	32.6	15.6	45	22.1	13.4	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	13.9	9.7	128	14.0	7.2	103	19.9	15.3	151	28.8	18.3	125	29.6	15.0	25	19.9	15.0	532
Female	12.9	6.9	137	15.0	11.5	131	20.2	16.2	135	26.7	15.8	110	32.3	20.7	20	18.8	14.5	533
Total	13.4	8.4	265	14.6	9.8	234	20.0	15.7	286	27.8	17.1	235	30.8	17.6	45	19.4	14.7	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	11.4	10.0	128	12.1	9.0	103	19.6	16.6	151	29.9	18.4	125	33.8	17.6	25	19.3	16.5	532
Female	7.9	9.0	137	11.9	12.4	131	16.8	17.6	135	24.2	16.8	110	32.0	22.7	20	15.4	16.0	533
Total	9.6	9.6	265	12.0	11.0	234	18.3	17.1	286	27.2	17.9	235	33.0	19.8	45	17.3	16.3	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	13.6	9.5	128	17.9	9.9	103	28.8	18.1	151	39.9	18.6	125	48.0	19.7	25	26.5	18.8	532
Female	12.1	11.5	137	17.4	12.1	131	21.9	15.8	135	30.6	16.2	110	38.3	21.3	20	20.7	16.0	533
Total	12.8	10.6	265	17.6	11.2	234	25.6	17.4	286	35.6	18.1	235	43.7	20.8	45	23.6	17.7	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.6	12.8	128	26.2	16.6	103	39.9	19.7	151	51.5	17.8	125	62.8	14.9	25	34.9	22.6	532
Female	8.9	11.7	137	16.9	15.1	131	24.8	18.6	135	35.3	18.5	110	47.0	20.2	20	21.8	19.4	533
Total	11.7	12.6	265	21.0	16.4	234	32.7	20.6	286	43.9	19.8	235	55.8	18.9	45	28.3	22.0	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	16.1	14.8	128	25.3	19.3	103	46.1	20.5	151	63.3	17.4	125	72.6	15.9	25	40.1	26.3	532
Female	10.4	13.0	137	24.1	18.7	131	35.4	20.5	135	55.0	21.3	110	60.5	13.9	20	31.2	24.8	533
Total	13.2	14.2	265	24.6	19.0	234	41.1	21.2	286	59.4	19.7	235	67.2	16.0	45	35.7	25.9	1065

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	13.9	7.1	128	14.0	6.5	103	17.5	9.9	151	24.2	11.8	125	27.8	13.6	25	18.0	10.5	532
Female	13.4	6.2	137	14.1	6.9	131	18.0	8.1	135	24.7	11.9	109	31.0	11.5	20	17.7	9.8	532
Total	13.6	6.7	265	14.1	6.7	234	17.8	9.1	286	24.4	11.8	234	29.2	12.7	45	17.9	10.1	1064

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	9.0	8.0	128	8.5	7.7	103	12.5	10.9	151	21.6	13.3	125	25.0	17.1	25	13.6	12.1	532
Female	8.4	6.8	137	9.5	7.4	131	13.4	9.8	135	20.7	12.5	109	27.8	14.8	20	13.2	10.9	532
Total	8.7	7.4	265	9.1	7.6	234	12.9	10.4	286	21.2	12.9	234	26.2	16.0	45	13.4	11.5	1064

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	10.3	9.4	128	10.6	8.6	103	17.3	11.2	151	28.3	14.8	125	31.2	17.3	25	17.6	13.9	532
Female	8.8	9.4	137	11.3	9.1	131	16.1	11.2	135	24.3	13.7	109	31.0	18.1	20	15.3	12.9	532
Total	9.5	9.4	265	11.0	8.8	234	16.8	11.2	286	26.5	14.4	234	31.1	17.5	45	16.4	13.4	1064

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	14.5	9.3	128	18.5	10.1	103	27.8	14.3	151	39.4	15.9	125	48.4	17.7	25	26.5	16.7	532
Female	13.6	10.3	137	18.4	9.5	131	22.4	12.0	135	31.4	14.4	109	39.8	15.3	20	21.7	13.7	532
Total	14.1	9.8	265	18.5	9.7	234	25.3	13.5	286	35.7	15.7	234	44.6	17.0	45	24.1	15.5	1064

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	12.0	10.7	128	21.0	14.3	103	33.1	16.0	151	43.6	14.1	125	52.8	9.3	25	29.1	18.8	532
Female	7.6	9.3	137	13.3	12.2	131	20.0	14.4	135	31.4	15.8	109	41.0	14.8	20	18.3	16.2	532
Total	9.7	10.2	265	16.7	13.7	234	26.9	16.6	286	37.9	16.1	234	47.6	13.3	45	23.7	18.3	1064

2. Impedance Audiometry

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1.7	17.9	126	2.0	12.5	101	-9.1	44.6	147	-5.2	34.0	116	6.0	18.6	25	-2.7	31.2	515
Female	4.5	11.0	137	-1.1	25.1	126	-2.7	39.2	131	-13.6	53.2	102	-5.0	42.5	19	-2.6	35.1	515
Total	3.1	14.8	263	0.3	20.5	227	-6.1	42.2	278	-9.2	44.1	218	1.3	31.3	44	-2.7	33.2	1030

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.93	0.85	126	1.03	0.98	101	1.00	0.84	147	0.91	0.90	116	1.02	0.89	25	0.97	0.89	515
Female	0.70	0.50	137	0.77	0.74	126	0.74	0.68	131	0.69	0.80	102	0.50	0.31	19	0.72	0.67	515
Total	0.81	0.70	263	0.89	0.87	227	0.88	0.78	278	0.81	0.86	218	0.80	0.74	44	0.84	0.80	1030

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.4	23.9	125	0.7	25.1	99	-11.1	44.5	145	-14.0	52.2	121	5.2	16.3	24	-6.0	38.9	514
Female	5.0	15.7	132	-1.2	25.4	123	-5.7	39.9	124	-17.2	53.9	99	-22.3	68.7	20	-4.7	38.0	498
Total	2.8	20.2	257	-0.4	25.2	222	-8.6	42.4	269	-15.5	52.9	220	-7.3	49.2	44	-5.3	38.4	1012

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

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.89	0.77	125	0.94	0.88	99	0.98	0.88	145	0.91	0.82	121	0.80	0.46	24	0.93	0.82	514
Female	0.66	0.52	132	0.73	0.72	123	0.68	0.51	124	0.69	0.69	99	0.44	0.24	20	0.68	0.60	498
Total	0.77	0.66	257	0.82	0.80	222	0.84	0.75	269	0.81	0.77	220	0.63	0.41	44	0.80	0.73	1012

Middle ear resonance frequency for right ear (Hz)

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	868.0	259.1	120	858.1	214.7	99	835.1	257.0	134	898.7	291.4	105	850.0	257.4	25	862.6	257.5	483
Female	947.0	242.2	130	866.7	243.0	120	923.4	302.1	122	918.6	278.3	97	950.0	280.4	19	915.8	267.8	488
Total	909.1	253.0	250	862.8	230.2	219	877.2	282.3	256	908.2	284.6	202	893.2	269.1	44	889.3	263.9	971

Middle ear resonance frequency for left ear (Hz)

	40-49yr			50-59yr			60-69yr			70-79yr			80-89yr			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	839.6	232.6	120	827.1	223.9	94	819.7	248.6	137	837.4	266.9	99	932.6	264.4	23	835.4	244.8	473
Female	920.1	222.0	127	856.1	280.4	107	886.0	264.7	114	878.4	293.5	88	826.3	283.5	19	884.5	264.3	455
Total	881.0	230.3	247	842.5	255.3	201	849.8	257.7	251	856.7	279.7	187	884.5	275.1	42	859.5	255.6	928

3. Distortion product otoacoustic emission (Otoacoustic Distortion Product Analyser, IL092 (F) Otodynamics)

2f1-f2 DPOAEs were measured by ILO 92 with the following parameters for the DP-gram: ratio of primary tones $f_2 / f_1 = 1.22$; stimulus intensity of primary tones $F_1 = 70\text{dB SPL}$ and $F_2 = 70\text{dB SPL}$. DP-gram were recorded in 8 points/octave over a frequency range of the f_2 which extended from 1001 to 6165 Hz. In this manner, 22 points in total were measured.

DP amplitudes above the noise floor at seven f_2 frequencies ($f_2 = 1001, 1416, 2002, 3088, 4004, 5652$ and 6165) were analyzed by age groups.

DP amplitudes above the noise floor at $f_2=1001$ 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	4.2	7.5	130	4.2	7.2	99	0.6	7.2	147	-3.2	8.5	118	-4.4	6.5	25	1.1	8.2	519
Female	6.5	7.0	137	3.8	7.3	130	-0.7	7.9	134	-1.5	6.6	107	-3.6	6.4	20	2.0	8.0	528
Total	5.4	7.3	267	4.0	7.3	229	-0.0	7.5	281	-2.4	7.7	225	-4.0	6.4	45	1.5	8.1	1047

DP amplitudes above the noise floor at $f_2=1001$ 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	4.3	6.9	132	2.5	7.5	98	0.1	7.4	147	-2.4	7.0	122	-5.2	7.1	24	0.8	7.7	523
Female	6.0	6.7	137	3.9	7.5	130	0.6	7.7	134	-1.8	6.6	110	-4.3	4.4	20	2.1	7.7	531
Total	5.1	6.8	269	3.3	7.5	228	0.3	7.5	281	-2.1	6.8	232	-4.8	6.0	44	1.5	7.7	1054

DP amplitudes above the noise floor at $f_2=1416$ 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	9.3	7.9	130	7.7	8.9	99	5.6	7.9	147	2.0	8.6	118	-0.3	8.4	25	5.8	8.8	519
Female	11.7	7.1	137	8.1	8.0	130	5.6	8.1	134	2.4	8.8	107	2.5	6.9	20	7.0	8.6	528
Total	10.5	7.6	267	7.9	8.4	229	5.6	8.0	281	2.2	8.7	225	0.9	7.8	45	6.4	8.7	1047

DP amplitudes above the noise floor at $f_2=1416$ 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	8.6	7.9	132	7.4	7.3	98	4.4	7.2	147	0.4	8.8	122	-1.7	8.0	24	4.8	8.5	523
Female	11.3	8.0	137	8.6	7.8	130	5.8	7.4	134	2.3	10.7	110	-0.0	5.2	20	7.0	9.0	531
Total	10.0	8.0	269	8.1	7.6	228	5.1	7.3	281	1.3	9.8	232	-1.0	6.8	44	5.9	8.8	1054

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	8.5	7.3	130	7.7	9.1	99	4.7	8.8	147	1.6	9.1	118	-2.1	6.9	25	5.2	9.0	519
Female	12.2	7.6	137	7.6	8.2	130	6.2	8.6	134	3.6	9.3	107	1.0	9.7	20	7.4	9.0	528
Total	10.4	7.7	267	7.7	8.6	229	5.4	8.7	281	2.5	9.2	225	-0.8	8.3	45	6.3	9.1	1047

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	8.3	7.5	132	7.4	8.1	98	3.9	8.9	147	-0.3	9.2	122	-3.1	7.8	24	4.4	9.2	523
Female	11.4	8.4	137	8.5	8.9	130	7.0	7.4	134	4.5	9.0	110	2.5	9.2	20	7.8	8.8	531
Total	9.9	8.1	269	8.0	8.6	228	5.4	8.4	281	2.0	9.4	232	-0.6	8.8	44	6.1	9.2	1054

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	10.3	7.3	130	6.7	7.7	99	0.8	8.1	147	-1.9	7.4	118	-5.2	6.9	25	3.4	9.1	519
Female	10.7	7.3	137	7.4	8.4	130	3.7	9.0	134	1.6	8.3	107	0.5	7.5	20	5.9	8.9	528
Total	10.5	7.3	267	7.1	8.1	229	2.2	8.7	281	-0.2	8.0	225	-2.7	7.6	45	4.7	9.1	1047

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	9.9	7.8	132	4.5	9.3	98	1.0	7.8	147	-2.9	7.7	122	-5.0	8.2	24	2.7	9.5	523
Female	10.9	8.3	137	7.4	8.6	130	4.5	8.6	134	2.4	8.6	110	-0.9	7.9	20	6.2	9.1	531
Total	10.4	8.1	269	6.2	9.0	228	2.7	8.4	281	-0.4	8.6	232	-3.1	8.2	44	4.5	9.5	1054

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	10.5	9.0	130	7.6	9.1	99	2.0	9.9	147	-2.6	7.7	118	-6.0	5.8	25	3.8	10.3	519
Female	13.8	7.3	137	9.3	9.5	130	5.2	9.7	134	1.5	9.8	107	-4.3	10.8	20	7.3	10.4	528
Total	12.2	8.3	267	8.5	9.4	229	3.5	9.9	281	-0.6	8.9	225	-5.2	8.3	45	5.6	10.5	1047

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	10.6	7.5	132	5.9	8.9	98	0.3	8.6	147	-4.7	7.3	122	-7.0	7.2	24	2.5	10.0	523
Female	14.0	6.9	137	9.6	9.2	130	5.1	9.3	134	2.2	8.9	110	0.4	7.5	20	7.7	9.7	531
Total	12.3	7.4	269	8.0	9.2	228	2.6	9.2	281	-1.4	8.8	232	-3.6	8.2	44	5.1	10.2	1054

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	10.1	9.7	130	5.3	9.8	99	0.4	9.4	147	-5.9	7.5	118	-4.2	4.5	25	2.1	10.8	519
Female	17.6	8.1	137	10.9	10.6	130	5.0	9.9	134	0.4	10.3	107	-7.4	7.6	20	8.3	11.9	528
Total	13.9	9.7	267	8.5	10.6	229	2.6	9.9	281	-2.9	9.5	225	-5.6	6.2	45	5.2	11.8	1047

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	10.5	9.7	132	6.1	9.8	98	-1.3	8.8	147	-4.6	6.4	122	-7.0	4.5	24	2.1	10.6	523
Female	16.6	8.5	137	11.4	10.5	130	5.4	10.0	134	0.1	9.0	110	-3.4	8.3	20	8.3	11.4	531
Total	13.6	9.6	269	9.1	10.5	228	1.9	10.0	281	-2.4	8.1	232	-5.4	6.7	44	5.2	11.5	1054

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	9.7	9.6	130	3.9	9.9	99	-1.7	8.8	147	-5.8	6.6	118	-5.6	5.5	25	1.1	10.5	519
Female	16.1	8.7	137	9.1	10.6	130	3.2	10.0	134	-1.0	10.0	107	-4.1	6.3	20	6.8	11.7	528
Total	12.9	9.7	267	6.8	10.6	229	0.6	9.7	281	-3.5	8.7	225	-4.9	5.8	45	4.0	11.5	1047

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	9.2	132	4.5	9.1	98	-1.5	8.3	147	-5.2	6.6	122	-7.5	6.4	24	1.5	10.3	523
Female	15.4	8.9	137	10.0	11.0	130	3.0	9.5	133	-0.7	9.4	110	-6.2	12.1	20	6.8	11.8	530
Total	12.9	9.4	269	7.6	10.6	228	0.6	9.2	280	-3.1	8.4	232	-6.9	9.4	44	4.2	11.4	1053