

Minnesota Code

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Minnesota Code 2-4	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
	Total	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Minnesota Code 2-5	Male	1	0.3	0	0.0	1	0.3	0	0.0	0	0.0	2	0.2
	Female	0	0.0	2	0.7	1	0.4	0	0.0	0	0.0	3	0.3
	Total	1	0.2	2	0.3	2	0.3	0	0.0	0	0.0	5	0.2
Minnesota Code 3-1	Male	8	2.8	17	5.8	31	10.3	30	11.8	8	15.1	94	7.9
	Female	2	0.7	13	4.6	6	2.2	20	7.0	3	5.1	44	3.7
	Total	10	1.7	30	5.2	37	6.5	50	9.3	11	9.8	138	5.8
Minnesota Code 3-2	Male	2	0.7	0	0.0	1	0.3	0	0.0	0	0.0	3	0.3
	Female	0	0.0	3	1.1	2	0.7	0	0.0	0	0.0	5	0.4
	Total	2	0.3	3	0.5	3	0.5	0	0.0	0	0.0	8	0.3
Minnesota Code 3-3-1	Male	2	0.7	3	1.0	7	2.3	2	0.8	0	0.0	14	1.2
	Female	2	0.7	2	0.7	2	0.7	2	0.7	0	0.0	8	0.7
	Total	4	0.7	5	0.9	9	1.6	4	0.7	0	0.0	22	0.9
Minnesota Code 3-3-2	Male	18	6.3	16	5.4	19	6.3	15	5.9	1	1.9	69	5.8
	Female	6	2.0	8	2.8	11	4.0	13	4.6	3	5.1	41	3.4
	Total	24	4.1	24	4.2	30	5.2	28	5.2	4	3.6	110	4.6
Minnesota Code 3-4	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 4-1-1	Male	0	0.0	1	0.3	4	1.3	2	0.8	1	1.9	8	0.7
	Female	0	0.0	1	0.4	0	0.0	0	0.0	1	1.7	2	0.2
	Total	0	0.0	2	0.3	4	0.7	2	0.4	2	1.8	10	0.4
Minnesota Code 4-1-2	Male	2	0.7	6	2.0	6	2.0	9	3.5	2	3.8	25	2.1

(Continued)

Minnesota Code

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Minnesota Code 4-1-2	Female	3	1.0	3	1.1	3	1.1	7	2.5	0	0.0	16	1.3
	Total	5	0.9	9	1.6	9	1.6	16	3.0	2	1.8	41	1.7
Minnesota Code 4-2	Male	3	1.0	12	4.1	8	2.7	17	6.7	6	11.3	46	3.9
	Female	4	1.4	12	4.2	11	4.0	20	7.0	5	8.5	52	4.4
	Total	7	1.2	24	4.2	19	3.3	37	6.9	11	9.8	98	4.1
Minnesota Code 4-3	Male	5	1.7	23	7.8	27	9.0	49	19.2	13	24.5	117	9.8
	Female	20	6.8	35	12.4	45	16.5	67	23.5	13	22.0	180	15.1
	Total	25	4.3	58	10.0	72	12.6	116	21.5	26	23.2	297	12.5
Minnesota Code 4-4	Male	4	1.4	1	0.3	5	1.7	3	1.2	1	1.9	14	1.2
	Female	2	0.7	3	1.1	2	0.7	5	1.8	1	1.7	13	1.1
	Total	6	1.0	4	0.7	7	1.2	8	1.5	2	1.8	27	1.1
Minnesota Code 5-1	Male	1	0.3	4	1.4	3	1.0	1	0.4	0	0.0	9	0.8
	Female	1	0.3	1	0.4	0	0.0	0	0.0	0	0.0	2	0.2
	Total	2	0.3	5	0.9	3	0.5	1	0.2	0	0.0	11	0.5
Minnesota Code 5-2	Male	7	2.4	13	4.4	16	5.3	16	6.3	1	1.9	53	4.5
	Female	5	1.7	13	4.6	16	5.9	26	9.1	6	10.2	66	5.5
	Total	12	2.1	26	4.5	32	5.6	42	7.8	7	6.3	119	5.0
Minnesota Code 5-3	Male	0	0.0	4	1.4	14	4.7	12	4.7	4	7.5	34	2.9
	Female	5	1.7	9	3.2	14	5.1	25	8.8	7	11.9	60	5.0
	Total	5	0.9	13	2.2	28	4.9	37	6.9	11	9.8	94	3.9
Minnesota Code 5-4	Male	6	2.1	11	3.7	14	4.7	20	7.8	5	9.4	56	4.7
	Female	6	2.0	22	7.8	15	5.5	30	10.5	4	6.8	77	6.4
	Total	12	2.1	33	5.7	29	5.1	50	9.3	9	8.0	133	5.6
Minnesota Code 5-5	Male	18	6.3	14	4.7	24	8.0	19	7.5	3	5.7	78	6.6
	Female	13	4.4	29	10.2	35	12.8	45	15.8	1	1.7	123	10.3

(Continued)

Minnesota Code

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Minnesota Code 5-5	Total	31	5.3	43	7.4	59	10.3	64	11.9	4	3.6	201	8.4
Minnesota Code 6-1	Male	0	0.0	1	0.3	0	0.0	1	0.4	0	0.0	2	0.2
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	1	0.2	0	0.0	1	0.2	0	0.0	2	0.1
Minnesota Code 6-2-1	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 6-2-3	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 6-3	Male	2	0.7	3	1.0	7	2.3	4	1.6	1	1.9	17	1.4
	Female	0	0.0	0	0.0	1	0.4	2	0.7	1	1.7	4	0.3
	Total	2	0.3	3	0.5	8	1.4	6	1.1	2	1.8	21	0.9
Minnesota Code 6-4-1	Male	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
	Female	2	0.7	0	0.0	0	0.0	0	0.0	1	1.7	3	0.3
	Total	3	0.5	0	0.0	0	0.0	0	0.0	1	0.9	4	0.2
Minnesota Code 6-5	Male	10	3.5	3	1.0	3	1.0	5	2.0	1	1.9	22	1.9
	Female	21	7.1	5	1.8	6	2.2	8	2.8	4	6.8	44	3.7
	Total	31	5.3	8	1.4	9	1.6	13	2.4	5	4.5	66	2.8
Minnesota Code 6-8	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 7-1-1	Male	1	0.3	1	0.3	2	0.7	1	0.4	1	1.9	6	0.5
	Female	0	0.0	0	0.0	1	0.4	1	0.4	1	1.7	3	0.3
	Total	1	0.2	1	0.2	3	0.5	2	0.4	2	1.8	9	0.4

(Continued)

Minnesota Code

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Minnesota Code 7-2-1	Male	0	0.0	4	1.4	13	4.3	18	7.1	6	11.3	41	3.4
	Female	1	0.3	3	1.1	4	1.5	9	3.2	3	5.1	20	1.7
	Total	1	0.2	7	1.2	17	3.0	27	5.0	9	8.0	61	2.6
Minnesota Code 7-3	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 7-4	Male	0	0.0	1	0.3	1	0.3	0	0.0	0	0.0	2	0.2
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	1	0.2	1	0.2	0	0.0	0	0.0	2	0.1
Minnesota Code 7-5	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 7-6	Male	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	1	0.1
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	1	0.2	0	0.0	0	0.0	0	0.0	1	0.0
Minnesota Code 7-7	Male	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1
	Female	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1
	Total	0	0.0	0	0.0	0	0.0	2	0.4	0	0.0	2	0.1
Minnesota Code 7-8	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 8-1-1	Male	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1
	Female	0	0.0	2	0.7	1	0.4	2	0.7	0	0.0	5	0.4
	Total	0	0.0	2	0.3	1	0.2	3	0.6	0	0.0	6	0.3
Minnesota Code 8-1-2	Male	2	0.7	0	0.0	6	2.0	4	1.6	3	5.7	15	1.3

(Continued)

Minnesota Code

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Minnesota Code 8-1-2	Female	1	0.3	0	0.0	1	0.4	4	1.4	1	1.7	7	0.6
	Total	3	0.5	0	0.0	7	1.2	8	1.5	4	3.6	22	0.9
Minnesota Code 8-1-3	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 8-2-2	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 8-2-3	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 8-3-1	Male	0	0.0	3	1.0	3	1.0	12	4.7	5	9.4	23	1.9
	Female	0	0.0	2	0.7	1	0.4	5	1.8	0	0.0	8	0.7
	Total	0	0.0	5	0.9	4	0.7	17	3.1	5	4.5	31	1.3
Minnesota Code 8-3-2	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 8-4-1	Male	1	0.3	2	0.7	2	0.7	2	0.8	0	0.0	7	0.6
	Female	0	0.0	0	0.0	1	0.4	1	0.4	0	0.0	2	0.2
	Total	1	0.2	2	0.3	3	0.5	3	0.6	0	0.0	9	0.4
Minnesota Code 8-4-2	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 8-5-2	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

(Continued)

Minnesota Code

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Minnesota Code 8-5-2	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Minnesota Code 8-7	Male	0	0.0	1	0.3	0	0.0	3	1.2	0	0.0	4	0.3
	Female	0	0.0	0	0.0	2	0.7	3	1.1	0	0.0	5	0.4
	Total	0	0.0	1	0.2	2	0.3	6	1.1	0	0.0	9	0.4
Minnesota Code 8-8	Male	26	9.1	7	2.4	22	7.3	20	7.8	4	7.5	79	6.6
	Female	11	3.7	5	1.8	14	5.1	9	3.2	3	5.1	42	3.5
	Total	37	6.4	12	2.1	36	6.3	29	5.4	7	6.3	121	5.1
Minnesota Code 8-9	Male	8	2.8	8	2.7	17	5.7	31	12.2	9	17.0	73	6.1
	Female	11	3.7	3	1.1	18	6.6	17	6.0	10	16.9	59	4.9
	Total	19	3.3	11	1.9	35	6.1	48	8.9	19	17.0	132	5.5
Minnesota Code 9-1	Male	3	1.0	2	0.7	14	4.7	14	5.5	5	9.4	38	3.2
	Female	12	4.1	12	4.2	3	1.1	12	4.2	4	6.8	43	3.6
	Total	15	2.6	14	2.4	17	3.0	26	4.8	9	8.0	81	3.4
Minnesota Code 9-2	Male	29	10.1	20	6.8	17	5.7	7	2.7	2	3.8	75	6.3
	Female	2	0.7	4	1.4	2	0.7	2	0.7	0	0.0	10	0.8
	Total	31	5.3	24	4.2	19	3.3	9	1.7	2	1.8	85	3.6
Minnesota Code 9-3-1	Male	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1
	Female	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	1	0.1
	Total	0	0.0	1	0.2	0	0.0	1	0.2	0	0.0	2	0.1
Minnesota Code 9-3-2	Male	0	0.0	0	0.0	1	0.3	1	0.4	0	0.0	2	0.2
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	1	0.2	1	0.2	0	0.0	2	0.1
Minnesota Code 9-4-1	Male	138	48.3	149	50.5	144	48.0	114	44.7	28	52.8	573	48.2
	Female	170	57.8	155	54.8	161	59.0	177	62.1	31	52.5	694	58.1
	Total	308	53.1	304	52.6	305	53.2	291	53.9	59	52.7	1267	53.2

(Continued)

Minnesota Code

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Minnesota Code 9-4-2	Male	15	5.2	11	3.7	23	7.7	24	9.4	4	7.5	77	6.5
	Female	9	3.1	17	6.0	12	4.4	12	4.2	2	3.4	52	4.4
	Total	24	4.1	28	4.8	35	6.1	36	6.7	6	5.4	129	5.4
Minnesota Code 9-5	Male	26	9.1	20	6.8	14	4.7	11	4.3	0	0.0	71	6.0
	Female	0	0.0	1	0.4	0	0.0	3	1.1	0	0.0	4	0.3
	Total	26	4.5	21	3.6	14	2.4	14	2.6	0	0.0	75	3.1
Minnesota Code 9-8-1	Male	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Female	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	Male	286	100.0	295	100.0	300	100.0	255	100.0	53	100.0	1189	100.0
	Female	294	100.0	283	100.0	273	100.0	285	100.0	59	100.0	1194	100.0
	Total	580	100.0	578	100.0	573	100.0	540	100.0	112	100.0	2383	100.0

3. Ultrasonic cardiography

(Ultrasonic tomography, EUB-655, Hitachi Medical Corp.,)

Aortic Dimension (AOD) (mm)

	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	29.18	3.30	286	30.15	3.34	293	30.43	3.55	297	30.24	3.30	255	30.96	3.89	53	30.04	3.43	1184
Female	25.15	2.88	290	26.54	3.19	279	27.41	2.94	271	27.71	3.18	281	27.19	3.32	59	26.71	3.21	1180
Total	27.15	3.70	576	28.39	3.73	572	28.99	3.60	568	28.91	3.47	536	28.97	4.05	112	28.38	3.72	2364

Left Atrium Dimension (LAD) (mm)

	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	33.41	4.19	286	35.11	4.33	293	35.59	5.10	297	36.37	6.15	255	37.26	6.11	53	35.19	5.14	1184
Female	30.47	4.42	290	32.13	4.64	279	34.06	4.26	271	35.56	5.47	281	35.67	6.50	59	33.16	5.21	1180
Total	31.93	4.55	576	33.66	4.72	572	34.86	4.78	568	35.95	5.81	536	36.42	6.34	112	34.18	5.27	2364

LAD/AOD Ratio

	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	1.15	0.17	286	1.17	0.16	293	1.17	0.18	297	1.21	0.20	255	1.22	0.26	53	1.18	0.18	1184
Female	1.21	0.17	290	1.22	0.19	279	1.25	0.18	271	1.29	0.22	281	1.32	0.25	59	1.25	0.20	1180
Total	1.18	0.17	576	1.19	0.18	572	1.21	0.18	568	1.25	0.22	536	1.27	0.26	112	1.21	0.19	2364

E-wave Amplitude (mm)

	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	21.30	3.33	286	19.45	3.21	295	18.62	3.38	298	17.33	3.44	246	16.84	3.33	50	19.14	3.64	1175
Female	19.85	3.17	293	18.54	2.99	281	17.47	3.17	269	16.48	3.19	273	15.65	3.52	53	18.01	3.42	1169
Total	20.57	3.33	579	19.00	3.14	576	18.08	3.33	567	16.89	3.34	519	16.23	3.46	103	18.57	3.57	2344

A-wave Amplitude (mm)

	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	17.24	2.92	286	16.30	2.97	295	16.16	3.19	298	15.23	3.14	246	15.03	3.11	50	16.21	3.14	1175
Female	15.14	2.97	293	15.04	2.76	281	14.92	2.88	269	14.39	2.80	273	13.90	2.81	53	14.83	2.87	1169
Total	16.18	3.12	579	15.69	2.93	576	15.57	3.11	567	14.79	2.99	519	14.45	3.00	103	15.53	3.08	2344

Diastolic Descent Rate (DDR) (mm/s)

	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	95.5	25.5	286	80.2	23.7	295	69.4	24.3	298	55.9	22.1	246	55.0	25.0	50	75.0	28.0	1175
Female	90.8	21.6	293	75.5	22.7	281	62.6	20.3	268	52.5	20.8	273	48.9	17.7	53	69.8	25.9	1168
Total	93.1	23.7	579	77.9	23.3	576	66.2	22.7	566	54.2	21.5	519	51.9	21.7	103	72.4	27.1	2343

A/E Ratio

	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	0.809	0.109	286	0.836	0.098	295	0.868	0.113	298	0.881	0.147	246	0.904	0.174	50	0.850	0.123	1175
Female	0.759	0.095	293	0.808	0.100	281	0.854	0.101	269	0.876	0.117	273	0.896	0.117	53	0.826	0.114	1169
Total	0.784	0.105	579	0.823	0.100	576	0.861	0.108	567	0.879	0.132	519	0.900	0.146	103	0.838	0.119	2344

Left Ventricular End-diastolic Dimension (LVEdD) (mm)

	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	48.11	4.30	284	47.77	4.19	292	46.68	4.14	284	46.38	4.77	224	45.55	4.38	42	47.22	4.40	1126
Female	43.99	3.65	290	43.90	3.89	283	44.16	4.63	260	43.99	4.79	249	44.38	5.08	45	44.02	4.27	1127
Total	46.03	4.48	574	45.87	4.48	575	45.48	4.56	544	45.12	4.92	473	44.94	4.77	87	45.62	4.62	2253

Left Ventricular End-systolic Dimension (LVEsD) (mm)

	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	30.12	4.15	284	29.69	4.38	292	28.74	4.24	284	28.63	5.00	224	28.14	4.66	42	29.29	4.47	1126
Female	26.27	3.47	290	25.88	3.71	283	26.09	5.06	260	26.49	4.96	249	26.24	5.39	45	26.18	4.36	1127
Total	28.17	4.27	574	27.81	4.49	575	27.47	4.83	544	27.50	5.09	473	27.15	5.11	87	27.73	4.68	2253

Left Ventricular Posterior Wall Thickness at end-diastole (LVPWd) (mm)

	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	9.80	2.00	284	10.45	1.98	292	10.53	2.15	284	10.48	2.39	224	11.00	2.16	42	10.33	2.14	1126
Female	8.81	1.64	290	9.42	1.81	283	9.67	1.99	260	9.88	2.20	249	10.25	2.18	45	9.45	1.96	1127
Total	9.30	1.89	574	9.94	1.96	575	10.12	2.12	544	10.17	2.31	473	10.61	2.19	87	9.89	2.10	2253

Left Ventricular Posterior Wall Thickness at end-systole (LVPWs) (mm)

	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	17.03	2.67	284	18.06	2.87	292	18.32	3.06	284	18.07	3.27	224	18.41	2.83	42	17.88	2.99	1126
Female	15.55	2.34	290	16.65	2.68	283	17.17	2.98	260	17.21	3.02	249	17.53	3.43	45	16.65	2.86	1127
Total	16.29	2.61	574	17.37	2.87	575	17.77	3.07	544	17.62	3.17	473	17.95	3.17	87	17.26	2.99	2253

Interventricular Septum Diastolic Thickness (IVSd) (mm)

	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	11.43	2.34	284	12.05	2.47	292	12.29	2.47	284	12.70	2.62	224	12.76	2.68	42	12.11	2.52	1126
Female	9.61	1.96	290	10.44	2.12	283	11.32	2.38	260	11.84	2.37	249	12.00	2.83	45	10.80	2.39	1127
Total	10.51	2.34	574	11.26	2.44	575	11.83	2.47	544	12.25	2.53	473	12.36	2.77	87	11.46	2.54	2253

Interventricular Septum Systolic Thickness (IVSs) (mm)

	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	15.19	2.25	284	15.68	2.55	292	16.02	2.53	284	16.48	2.72	224	16.45	2.48	42	15.83	2.55	1126
Female	12.87	2.06	290	14.00	2.33	283	14.83	2.53	260	15.38	2.15	249	15.74	2.78	45	14.28	2.49	1127
Total	14.02	2.45	574	14.86	2.59	575	15.45	2.60	544	15.90	2.50	473	16.09	2.65	87	15.05	2.63	2253

Left Ventricular End-diastolic Volume (LVEdV) (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	108.95	22.41	284	107.12	21.89	292	101.59	20.79	284	100.46	23.70	224	96.05	21.02	42	104.45	22.39	1126
Female	88.34	16.97	290	88.05	18.22	283	89.68	22.76	260	88.95	22.29	249	90.91	25.02	45	88.81	20.27	1127
Total	98.54	22.35	574	97.74	22.30	575	95.90	22.54	544	94.40	23.66	473	93.39	23.19	87	96.63	22.74	2253

Left Ventricular End-systolic Volume (LVEsV) (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	36.37	12.20	284	35.28	12.70	292	32.59	11.73	284	32.74	14.12	224	31.19	13.06	42	34.22	12.75	1126
Female	25.93	8.24	290	25.12	9.10	283	26.14	13.63	260	27.25	12.63	249	26.90	14.00	45	26.11	11.15	1127
Total	31.10	11.62	574	30.28	12.18	575	29.51	13.07	544	29.85	13.62	473	28.97	13.65	87	30.16	12.64	2253

Stroke Volume (SV) (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	72.85	13.82	284	72.09	13.68	292	69.20	13.98	284	67.90	15.38	224	65.06	15.33	42	70.46	14.36	1126
Female	62.51	12.30	290	63.02	12.52	283	63.65	13.65	260	61.81	14.59	249	64.16	15.60	45	62.81	13.34	1127
Total	67.63	14.05	574	67.63	13.88	575	66.55	14.09	544	64.69	15.26	473	64.59	15.39	87	66.63	14.37	2253

Cardiac Output (CO) (l/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	4.40	0.96	284	4.41	0.96	292	4.18	0.99	284	4.19	1.08	224	4.02	1.16	42	4.29	1.00	1126
Female	4.01	0.92	290	3.94	0.88	283	3.90	0.91	260	3.96	0.96	249	3.94	0.88	45	3.95	0.91	1127
Total	4.20	0.96	574	4.18	0.95	575	4.05	0.96	544	4.07	1.02	473	3.98	1.02	87	4.12	0.97	2253

Ejection Fraction (EF) (%)

	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	67.16	6.31	284	67.67	7.17	292	68.38	7.45	284	68.19	8.73	224	67.98	9.17	42	67.84	7.46	1126
Female	70.87	6.40	290	71.86	6.40	283	71.77	8.21	260	70.17	8.84	249	71.46	9.28	45	71.19	7.57	1127
Total	69.03	6.62	574	69.73	7.11	575	70.00	8.00	544	69.23	8.83	473	69.78	9.34	87	69.52	7.70	2253

Fractional Shortening (FS) (%)

	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	37.50	4.92	284	37.98	5.66	292	38.51	5.98	284	38.45	6.75	224	38.29	7.15	42	38.10	5.87	1126
Female	40.31	5.42	290	41.13	5.32	283	41.30	6.94	260	39.98	7.15	249	41.16	7.62	45	40.71	6.29	1127
Total	38.92	5.36	574	39.53	5.71	575	39.85	6.60	544	39.26	7.00	473	39.77	7.49	87	39.40	6.22	2253

Heart Rate (HR) (/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	60.7	9.1	286	61.7	9.9	295	60.9	9.3	300	62.9	11.7	255	63.5	12.0	53	61.6	10.1	1189
Female	64.5	10.1	294	62.8	8.2	283	62.0	9.3	273	65.2	10.9	285	63.4	9.9	58	63.6	9.8	1193
Total	62.6	9.8	580	62.2	9.1	578	61.4	9.3	573	64.1	11.3	540	63.5	10.9	111	62.6	10.0	2382

4. Intima-media thickness of carotid artery

Intima-media Thickness of Left Common Carotid Artery (the Thickest Point) (mm)

	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	0.73	0.42	286	0.82	0.25	294	0.96	0.35	300	1.02	0.32	255	1.25	0.94	53	0.90	0.41	1188
Female	0.64	0.15	294	0.78	0.20	283	0.90	0.26	273	1.03	0.46	285	1.16	0.76	59	0.85	0.37	1194
Total	0.68	0.32	580	0.80	0.23	577	0.93	0.31	573	1.03	0.40	540	1.21	0.84	112	0.87	0.39	2382

Intima-media Thickness of Left Common Carotid Artery (the Thinnest Point) (mm)

	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	0.53	0.30	286	0.57	0.13	294	0.62	0.14	300	0.67	0.18	255	0.77	0.33	53	0.61	0.21	1188
Female	0.48	0.11	294	0.56	0.13	283	0.62	0.16	273	0.67	0.18	285	0.70	0.17	59	0.59	0.16	1194
Total	0.51	0.22	580	0.57	0.13	577	0.62	0.15	573	0.67	0.18	540	0.73	0.26	112	0.60	0.19	2382

Intima-media Thickness of Left Carotid Sinus (the Thickest Point) (mm)

	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	0.98	0.30	285	1.08	0.40	293	1.25	0.52	298	1.49	0.64	254	1.83	1.67	53	1.22	0.62	1183
Female	0.85	0.25	292	1.04	0.33	282	1.15	0.41	272	1.30	0.55	281	1.63	0.74	59	1.11	0.47	1186
Total	0.91	0.28	577	1.06	0.37	575	1.21	0.47	570	1.39	0.60	535	1.73	1.27	112	1.17	0.55	2369

Intima-media Thickness of Left Carotid Sinus (the Thinnest Point) (mm)

	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	0.63	0.17	285	0.67	0.19	293	0.74	0.22	298	0.80	0.23	253	0.85	0.32	53	0.71	0.22	1182
Female	0.57	0.14	292	0.65	0.18	282	0.71	0.21	272	0.75	0.22	281	0.81	0.27	59	0.68	0.21	1186
Total	0.60	0.16	577	0.66	0.19	575	0.73	0.22	570	0.77	0.22	534	0.83	0.29	112	0.69	0.21	2368

Intima-media Thickness of Right Common Carotid Artery (the Thickest Point) (mm)

	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	0.63	0.15	286	0.74	0.18	294	0.85	0.28	300	0.94	0.32	255	1.08	0.81	53	0.80	0.32	1188
Female	0.61	0.16	294	0.72	0.21	283	0.82	0.22	273	0.91	0.24	285	1.01	0.30	59	0.78	0.25	1194
Total	0.62	0.15	580	0.73	0.19	577	0.83	0.26	573	0.93	0.28	540	1.04	0.59	112	0.79	0.28	2382

Intima-media Thickness of Right Common Carotid Artery (the Thinnest Point) (mm)

	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	0.48	0.11	286	0.53	0.12	294	0.59	0.15	300	0.63	0.16	255	0.73	0.40	53	0.56	0.17	1188
Female	0.46	0.11	294	0.52	0.11	283	0.57	0.14	273	0.61	0.13	285	0.67	0.16	59	0.55	0.14	1194
Total	0.47	0.11	580	0.53	0.12	577	0.58	0.15	573	0.62	0.15	540	0.70	0.30	112	0.55	0.16	2382

Intima-media Thickness of Right Carotid Sinus (the Thickest Point) (mm)

	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	0.94	0.26	285	1.11	0.40	294	1.27	0.50	300	1.46	0.69	254	1.61	0.84	53	1.21	0.54	1186
Female	0.84	0.23	294	1.00	0.28	282	1.14	0.38	273	1.31	0.59	284	1.45	0.60	59	1.09	0.45	1192
Total	0.89	0.25	579	1.05	0.35	576	1.21	0.45	573	1.38	0.64	538	1.52	0.72	112	1.15	0.50	2378

Intima-media Thickness of Right Carotid Sinus (the Thinnest Point) (mm)

	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	0.62	0.18	285	0.68	0.22	294	0.71	0.20	300	0.78	0.25	254	0.84	0.31	53	0.70	0.23	1186
Female	0.56	0.14	294	0.64	0.18	282	0.70	0.22	273	0.74	0.22	283	0.82	0.24	58	0.67	0.21	1190
Total	0.59	0.16	579	0.66	0.20	576	0.70	0.21	573	0.76	0.23	537	0.83	0.27	111	0.68	0.22	2376

X. Physical Function Tests and Physical Activities

X. Physical function Tests

1) Physical fitness

- Sitting trunk flexion
- Right grip strength
- Left grip strength
- One leg standing with eyes closed
- One leg standing with eyes open (65 years and over)
- Reaction time
- Leg extension power
- Sit up
- Right knee extension strength
- Left knee extension strength

2) Gait performance

- Step length, pitch and velocity during comfortable walking
- Step length, pitch and velocity during maximum walking

3) Three-dimensional motion of gait during 1 cycle

4) Stabilometry

- With eyes open
- With eyes closed

5) Physical activity

6) Physical activity questionnaire*

*Iwai N, Yoshiike N, Saitoh S, Nose T, Kushiro T, Tanaka H: Leisure-time physical activity and related lifestyle characteristics among middle-aged Japanese. Japan Lifestyle Monitoring Study Group. J Epidemiol 10: 226-33, 2000.

1) Physical fitness (Takei corp.)

Sitting trunk flexion (cm)

	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	3.7	8.3	132	3.1	8.9	102	2.4	9.4	148	0.8	9.2	121	3.8	7.9	25	2.6	9.0	528
Female	9.4	7.4	134	10.6	6.5	127	10.2	7.6	131	9.1	6.6	108	11.2	5.9	16	9.9	7.0	516
Total	6.6	8.3	266	7.3	8.5	229	6.1	9.5	279	4.7	9.1	229	6.6	8.0	41	6.2	8.9	1044

Right grip strength (kg)

	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	44.5	6.4	132	42.3	6.2	103	37.1	5.8	149	32.7	5.8	120	29.1	5.5	25	38.6	7.8	529
Female	26.9	5.0	135	24.4	4.9	129	23.3	3.9	133	20.6	4.1	111	19.3	3.8	17	23.8	5.1	525
Total	35.6	10.5	267	32.3	10.5	232	30.6	8.5	282	26.9	7.9	231	25.1	6.8	42	31.2	9.9	1054

Left grip strength (kg)

	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	43.1	6.3	131	40.8	6.1	103	35.9	6.4	151	31.7	5.6	121	27.6	6.0	25	37.3	7.8	531
Female	25.6	4.5	136	23.1	4.7	128	22.2	3.6	132	19.5	4.1	111	17.5	3.4	17	22.6	4.8	524
Total	34.2	10.3	267	31.0	10.3	231	29.5	8.6	283	25.9	7.8	232	23.5	7.1	42	30.0	9.8	1055

Foot balance with eye closed (sec)

	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	40.1	44.7	132	24.9	33.2	103	9.9	12.3	150	4.7	5.9	119	3.1	1.5	24	18.9	31.0	528
Female	30.6	39.8	135	18.6	22.1	128	7.7	8.5	134	4.2	3.4	108	3.4	1.5	14	15.5	25.6	519
Total	35.3	42.5	267	21.4	27.7	231	8.9	10.7	284	4.5	4.9	227	3.2	1.5	38	17.2	28.5	1047

Foot balance with eye opened (sec) 65 years and older

	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	.	.	0	124.2	61.5	82	54.6	58.4	119	21.9	31.3	24	76.5	68.4	225
Female	.	.	0	.	.	0	89.5	65.9	67	46.8	50.2	108	14.7	12.0	15	59.3	59.4	190
Total	.	.	0	.	.	0	108.6	65.6	149	50.9	54.7	227	19.1	25.7	39	68.6	64.9	415

Reaction time (sec)

	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	0.398	0.05	132	0.422	0.07	103	0.446	0.08	149	0.508	0.12	115	0.666	0.25	24	0.453	0.11	523
Female	0.450	0.07	136	0.453	0.06	127	0.467	0.08	133	0.548	0.13	105	0.627	0.29	12	0.479	0.10	513
Total	0.424	0.07	268	0.439	0.07	230	0.456	0.08	282	0.527	0.12	220	0.653	0.26	36	0.466	0.11	1036

Leg extension power (W)

	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	599.8	160.3	125	553.4	130.0	97	452.8	103.0	139	359.0	111.4	103	225.9	96.3	21	481.1	163.9	485
Female	313.7	112.9	126	295.1	84.3	116	276.3	84.3	117	209.1	71.2	83	187.0	69.9	9	277.4	98.4	451
Total	456.2	199.1	251	412.7	167.7	213	372.1	129.4	256	292.1	121.2	186	214.2	89.9	30	383.0	170.1	936

Sit up (reps)

	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	17	3.8	132	14	4.4	103	11	4.7	151	7	5.1	126	4	3.6	26	12	6.1	538
Female	11	5.0	137	7	5.5	131	5	5.1	135	3	3.9	112	3	3.3	20	6	5.8	535
Total	14	5.3	269	10	6.1	234	8	5.7	286	5	5.0	238	3	3.5	46	9	6.5	1073

Right leg strength (kg)

	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	44.7	9.7	125	41.9	7.2	96	37.3	8.7	138	29.9	7.2	103	23.6	3.8	21	38.0	10.3	483
Female	27.6	6.2	127	25.5	6.2	118	24.2	6.4	117	20.8	6.0	82	17.9	4.0	9	24.7	6.6	453
Total	36.1	11.8	252	32.9	10.5	214	31.3	10.1	255	25.8	8.1	185	21.9	4.6	30	31.6	10.9	936

Left leg strength (kg)

	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	43.9	10.2	124	40.3	7.7	97	36.5	8.0	139	29.3	7.6	102	23.0	3.5	21	37.1	10.2	483
Female	27.3	6.6	126	24.8	6.5	119	24.4	6.3	117	20.2	5.7	81	18.3	4.1	9	24.4	6.8	452
Total	35.5	12.0	250	31.8	10.5	216	31.0	9.5	256	25.3	8.2	183	21.6	4.2	30	31.0	10.8	935

Maximum step length (cm)

	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	127.5	11.6	132	122.4	12.6	103	112.6	11.5	150	101.0	12.6	119	92.6	12.3	25	114.7	16.2	529
Female	108.6	12.0	136	105.4	11.5	130	98.7	10.6	133	87.2	9.8	106	75.6	14.4	17	99.9	14.3	522
Total	117.9	15.1	268	112.9	14.6	233	106.1	13.1	283	94.5	13.3	225	85.7	15.5	42	107.3	17.0	1051

2) Gait performance (Yagami corp.)

Step length of gait with comfortable speed (cm)

	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	74.2	7.2	132	73.1	7.0	103	71.9	8.7	150	66.7	9.6	120	64.4	9.1	25	71.2	8.8	530
Female	68.0	6.8	136	67.2	7.4	130	67.5	6.7	134	62.0	9.0	106	57.9	9.8	17	66.1	8.0	523
Total	71.1	7.6	268	69.8	7.8	233	69.8	8.1	284	64.5	9.6	226	61.8	9.8	42	68.7	8.8	1053

Pitch of gait with comfortable speed (step/min)

	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	112.8	11.6	132	116.8	8.7	103	117.2	10.1	150	113.6	10.7	120	112.0	10.4	25	115.0	10.5	530
Female	121.8	9.7	136	122.4	11.5	130	123.4	9.3	134	117.4	13.4	106	112.2	14.0	17	121.2	11.3	523
Total	117.4	11.6	268	119.9	10.7	233	120.1	10.2	284	115.4	12.2	226	112.1	11.8	42	118.0	11.4	1053

Velocity of gait with comfortable speed (m/min)

	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	83.4	10.1	132	85.3	9.1	103	84.0	10.8	150	75.8	12.7	120	72.1	11.8	25	81.7	11.5	530
Female	82.7	9.2	136	82.1	10.6	130	83.2	9.0	134	72.4	11.4	106	64.7	11.8	17	80.0	11.2	523
Total	83.1	9.6	268	83.5	10.1	233	83.6	9.9	284	74.2	12.2	226	69.1	12.2	42	80.9	11.4	1053

Step length of gait with maximum speed (cm)

	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	87.6	8.9	131	85.7	8.9	103	83.8	9.1	148	77.0	11.7	117	72.8	8.4	24	83.1	10.6	523
Female	76.1	7.0	136	75.7	8.3	129	74.2	8.2	132	67.2	8.9	106	61.8	8.3	14	73.3	8.9	517
Total	81.7	9.8	267	80.2	9.9	232	79.3	9.9	280	72.3	11.6	223	68.8	9.8	38	78.2	10.9	1040

Pitch of gait with maximum speed (step/min)

	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	131.9	16.1	131	134.7	12.4	103	133.0	12.3	148	130.2	13.9	117	126.2	14.3	24	132.1	13.9	523
Female	145.3	15.0	136	140.4	13.9	129	140.8	12.0	132	135.5	16.9	106	135.9	16.2	14	140.7	14.8	517
Total	138.7	16.9	267	137.8	13.5	232	136.7	12.7	280	132.7	15.6	223	129.8	15.6	38	136.4	15.0	1040