

679 **Appendix A.**

680 **Table A.I.** Normative values for the descriptors for the 7 dimensions in terms of mean,
 681 standard deviation (sd) and median, and distribution tails (1st, 5th, 10th, 90th, 95th and 99th
 682 percentiles). Tails that are informative for the determination of the *DevS* are presented in
 683 bold.

		Sex	Age Group	n	mean	sd	media n	1st	5th	10th	90th	95th	99th
VOICE	a_Jitter-PPQ5 (%)	f	20-93	173	0.25	0.13	0.22	0.09	0.11	0.13	0.41	0.47	0.65
		m	20-59	107	0.27	0.14	0.25	0.1	0.12	0.16	0.41	0.47	0.89
			60-74	44	0.3	0.15	0.26	0.1	0.12	0.13	0.55	0.63	0.69
			75-93	30	0.37	0.2	0.32	0.15	0.16	0.17	0.59	0.79	0.89
	a_Shimmer-APQ11 (%)	f	20-59	102	3	1.98	2.51	0.9	1.02	1.17	5.89	7.1	8.59
			60-93	67	4.56	3	4.09	1.06	1.22	1.37	8.51	9.48	12.57
		m	20-59	108	4.63	2.56	3.84	0.93	1.58	1.89	8.5	9.03	11.12
			60-93	75	5.85	2.84	5.52	1.29	1.91	2.35	9.71	11.28	11.81
	a_SDF0 (Hz)	f	20-59	103	3.77	2.05	3.31	1.14	1.41	1.8	6.5	7.4	10.58
			60-74	38	4.63	2.14	4.19	1.37	2	2.43	7.67	9.33	9.83
			75-93	29	4.96	2.91	3.75	2.02	2.36	2.57	10.69	11.52	11.71
		m	20-74	152	2.92	1.8	2.41	0.95	1.18	1.26	4.99	6.61	8.95
			75-93	29	5.09	2.64	4.53	1.58	1.98	2.45	8.32	9.07	10.98
		a_CPPs (dB)	f	20-93	171	15.55	2.32	15.32	11.13	11.74	12.69	18.89	19.42
m	20-59		105	18.17	2.35	18.08	12.55	14.6	14.96	21.47	21.97	22.32	
	60-93		75	16.49	2.85	16.38	11.08	12.19	12.91	20.44	21.76	22.5	
Speaking_SDF0	f	20-93	177	28.58	9.73	27.23	11.88	15.1	16.61	41.74	45.83	55.02	

	(Hz)	m	20-93	170	18.87	7.09	17.4	8.86	9.69	10.82	29.12	31.46	39.37
	Speaking _CPPs (dB)	f	20-59	101	10.52	1.57	10.47	7.47	8.01	8.57	12.5	13.17	13.84
			60-74	36	10.9	1.49	10.59	8.42	8.83	9.16	12.88	13.37	13.9
			75-93	31	9.87	1.96	9.43	7.41	7.69	7.81	12.33	12.81	14.74
		m	20-93	171	11.21	2.03	11.02	7.71	8.09	8.52	14.1	14.97	15.47
MPT	MPT (s)	f	20-93	202	14.65	5.82	14.08	5.05	6.69	7.93	21.83	25	32.33
		m	20-93	187	16.62	6.77	15.35	6.57	7.7	9.22	25.71	29.35	36.55
PROSODY	Melodic contrast Q-A (st)	f+m	20-59	228	6.59	4.46	6.98	-1.57	-1.05	0.08	11.7	13.89	17.2
			60-93	161	4.69	5.4	4.7	-5.97	-4.22	-2.46	11.74	13.8	15.98
SPEECH RATE	Rate_Sen tence (ph/s.)	f	20-59	119	11.15	1.67	11.16	7.7	8.41	8.86	13.22	13.78	15.12
			60-93	89	9.75	1.95	9.58	6.23	6.59	6.91	12.31	13.08	13.51
		m	20-59	106	11.53	1.9	11.69	7.08	8.34	8.98	14.04	14.67	14.81
			60-93	79	10.18	1.99	10.15	6.34	6.86	7.14	12.72	13.05	14.72
DDK RATE	AMR _{cv}	f	20-59	117	10.38	1.73	10.64	5.97	7.12	8.06	12.39	12.72	13.36
			60-93	89	9.29	2.08	9.13	5.19	5.61	6.2	12.16	12.54	13.31
		m	20-59	108	10.89	1.82	11.1	6.13	7.44	8.64	13.01	13.65	13.91
			60-93	78	9.44	2.16	9.7	4.9	5.61	6.5	12.15	12.67	14.04
	AMR _{ccv}	f	20-59	119	13.23	2.63	13.51	7.48	8.17	9.57	16.31	17.59	18.54
			60-93	90	11.24	2.71	11.18	5.65	6.85	7.79	14.32	15	17.19
		m	20-59	106	13.88	2.74	14.24	7.15	9.13	10.31	17.01	17.97	18.94
			60-93	78	11.66	2.95	11.52	6.31	6.61	7.67	15.83	16.5	17.27
SMR _{cv} (/badego /)	f	20-59	117	11.67	2.3	11.88	5.32	7.64	8.61	14.22	14.76	16.39	
		60-93	88	9.84	2.58	9.95	5.23	5.83	6.84	12.96	13.75	15.41	
	m	20-59	109	12.18	2.43	12.59	4.89	7.8	8.65	15.17	15.68	16.49	
		60-93	78	10.33	2.68	9.98	5.26	6.12	7.11	13.77	15.17	15.66	

SMR _{CV} - AMR _{CV}	f+m	20-59	222	1.3	1.55	1.41	-2.48	-1.09	-0.74	3.2	3.74	4.71
		60-74	91	0.94	1.52	1.12	-3.3	-1.86	-0.71	2.77	3.365	3.827
		75-93	78	0.6	1.08	0.55	-1.52	-1	-0.66	1.82	2.47	3.34

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686 **Table A.II.** Reference values for Intelligibility (in terms of number of word not recognized over
 687 15 words) and articulation accuracy (in terms of segmental errors over 151 targets). Centiles
 688 1, 5, 50, 95, 99 and maximum error.

	<i>Age Groups</i>	<i>median</i>	<i>1st</i>	<i>5th</i>	<i>10th</i>	<i>90th</i>	<i>95th</i>	<i>99th</i>	<i>maximum</i>
# words not recognized	20-74	0	0	0	0	1	1	2	3
	75-93	0	0	0	0	1	1.5	3.5	5
# segmental errors	20-59	0	0	0	0	1	2	4	5
	60-74	0	0	0	0	3	4	5	5
	75-93	1	0	0	0	4	5	6	6

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