

**Supplemental Material S1.** Participant demographic information.

Participant number	Gender	Residual hearing (L/R in dB)	Type of device(s)	CI brand	Age at implantation (month)	CI experience (month)	Age (months)	Age at using hearing aids (month)	Hearing aid experience before CI surgery (month)
1	M	95/95	CI+HA	MEDEL	13	29	42		
2	M	110/120	CI+HA	MEDEL	15	35	50		
3	M	100/100	CI+HA	MEDEL	18	39	58		
4	M	110/110	CI+HA	Cochlear	18	48	67		
5	M	110/110	CI+HA	Advanced Bionics	18	31	50	17	1
6	M	80/100	CI+HA	MEDEL	22	33	55		
7	M	100/110	CI+HA	Cochlear	23	28	51		
8	F	90/90	CI+HA	MEDEL	25	13	39		
9	M	110/110	CI+HA	Cochlear	25	25	50	18	7
10	M	97/97	CI+HA	MEDEL	26	10	37		
11	F	100/100	CI+HA	MEDEL	27	49	76		
12	M	110/110	CI+HA	Cochlear	27	20	47		
13	F	90/100	CI+HA	MEDEL	27	28	55		
14	M	100/110	CI+HA	Cochlear	28	42	70		
15	M	100/85	CI+HA	MEDEL	28	22	50	28	0
16	M	80/90	CI+HA	Advanced Bionics	29	42	71		
17	F	100/110	CI+HA	Advanced Bionics	29	43	73		
18	M	100/100	CI+HA	MEDEL	29	21	50		
19	F	95/95	CI+CI	Advanced Bionics	29	17	47		
20	M	97/97	CI+HA	MEDEL	30	14	45		
21	M	100/100	CI+CI	Mindni	30	7	37		
22	F	110/110	CI+HA	MEDEL	30	18	48		
23	M	105/95	CI+HA	MEDEL	30	22	52		
24	M	110/110	CI+HA	Cochlear	30	22	52		
25	F	95/95	CI+CI	MEDEL	30	34	64		
26	F	110/100	CI+HA	Cochlear	30	28	59	30	0
27	F	106/80	CI+HA	MEDEL	31	29	60		
28	F	96/96	CI+HA	MEDEL	31	16	48		
29	M	100/70	CI+HA	Cochlear	31	25	57		
30	M	110/110	CI+HA	MEDEL	32	14	47		
31	M	97/97	CI+HA	MEDEL	32	26	58		
32	M	97/97	CI+HA	MEDEL	33	11	44		
33	M	97/97	CI+CI	Cochlear	33	18	52		
34	M	115/115	CI+HA	MEDEL	33	26	59	33	0
35	M	100/100	CI+HA	Cochlear	34	18	53		
36	F	97/97	CI+HA	MEDEL	34	10	45		
37	F	110/100	CI+HA	Cochlear	34	20	54	34	0

38	M	100/105	CI+HA	MEDEL	35	35	70		
39	F	95/100	CI+HA	MEDEL	36	22	58		
40	M	98/110	CI+HA	MEDEL	36	22	59		
41	F	97/97	CI+HA	MEDEL	37	9	46		
42	M	100/100	CI+HA	MEDEL	37	24	62	37	0
43	M	110/110	CI+HA	MEDEL	37	28	66	18	19
44	F	100/100	CI+HA	Cochlear	38	9	47		
45	M	100/100	CI+HA	MEDEL	38	23	61		
46	M	110/110	CI+HA	Cochlear	38	28	66		
47	F	100/100	CI+HA	MEDEL	39	19	59	31	8
48	F	100/100	CI+HA	MEDEL	40	11	52		
49	M	80/90	CI+HA	Cochlear	40	29	70		
50	F	100/90	CI+HA	Cochlear	40	16	56		
51	M	110/110	CI+HA	Cochlear	41	20	62		
52	F	80/110	CI+HA	MEDEL	41	25	67	24	17
53	F	100/100	CI+CI	MEDEL	42	20	63		
54	M	60/90	CI+HA	Cochlear	43	11	55		
55	M	90/90	CI+HA	Cochlear	43	16	59		
56	F	96/96	CI+HA	MEDEL	44	6	50		
57	F	100/100	CI+CI	Cochlear	45	20	66		
58	M	100/110	CI+HA	Cochlear	47	29	76		
59	M	95/95	CI+HA	Cochlear	47	13	60	29	18
60	F	96/96	CI+HA	Cochlear	48	20	69		
61	F	90/110	CI+HA	MEDEL	49	7	56	40	9
62	F	100/90	CI+HA	MEDEL	52	14	66		
63	F	100/100	CI+HA	MEDEL	53	22	76		
64	M	100/100	CI+HA	MEDEL	53	22	76		
65	M	100/105	CI+HA	MEDEL	54	21	76		
66	F	110/110	CI+HA	Cochlear	54	2	56		
67	M	90/110	CI+HA	Cochlear	55	16	71		
68	F	110/110	CI+CI	Advanced Bionics	55	11	66		
69	F	100/100	CI+HA	Cochlear	55	10	65		
70	F	80/90	CI+HA	Cochlear	58	10	68		
71	M	80/90	CI+HA	Cochlear	61	7	68		
72	M	80/90	CI+HA	Cochlear	74	6	80		

*Note.* M = male; F = female; L = left; R = right; CI = cochlear implant; HA = hearing aid.