

## Appendix A. Details of participants' age and formal musical activities

Children with normal hearing					Children with CIs				
ID <sup>1</sup>	Group	Age	Musical training during last year	Time spent at music more than one year before measurements, m (starting age)	ID <sup>1</sup>	Group	Age	Musical training during last year	Time spent at music more than one year before measurements, m (starting age)
N				N					
NH01	NHm	8y 8m	Yes <sup>10</sup>	24*(2y 4m) <sup>6</sup> 6m <sup>3</sup>	CI01	Clm	7y 2m	Yes <sup>2</sup>	20*(1y) <sup>6</sup> 5 <sup>3</sup>
NH02	Con, NHm	9y 2m	Yes <sup>2</sup>	36*(2y 3m) <sup>6</sup> 14m <sup>3</sup>	CI03	Clm	10y 4m	Yes <sup>3</sup>	12*(3y) <sup>6</sup> 48 <sup>3</sup>
NH03	Con, NHn	5y 8m	No	0	CI04	Clm	9y 1m	Yes <sup>4,3</sup>	24*(2y) <sup>6</sup> 20 <sup>3</sup>
NH04	Con, NHm	9y 6m	Yes <sup>4**</sup>	45*(6m) <sup>10</sup>	CI09	Clm	8y 8m	Yes <sup>2</sup>	3 <sup>3</sup>
NH05	Con, NHn	12y 1m	Yes <sup>4**</sup>	0	CI13	Clm	6y 7m	Yes <sup>6</sup>	22*(3y) <sup>6</sup> 48 <sup>3</sup>
NH06	Con, NHn	6y 10m	Yes <sup>2</sup>	0	CI14	Clm	5y 6m	Yes <sup>5,3</sup>	3 <sup>3</sup>
NH07	Con, NHn	7y 11m	No	0	CI15	Clm	6y 4m	No	0
NH08	Con, NHm	7y 1m	Yes <sup>2,3</sup>	18 <sup>3</sup> ***	CI16	Clm	8y 5m	No	0
NH09	NHm	6y 1m	Yes <sup>6</sup>	42*(9m) <sup>3</sup>	CI17	Clm	10y 7m	No	0
NH10	Con, NHm	5y 6m	Yes <sup>2,3</sup>	0	CI18	Clm	13y 4m	No	0
NH11	Con, NHm	6y 10m	Yes <sup>8,3</sup>	30 <sup>3</sup>	CI19	Clm	8y 9m	No	0
NH12	NHm	6y 2m	Yes <sup>6</sup>	48*(1y) <sup>6</sup>	CI20	Clm	7y 0m	No	0
NH13	Con, NHm	6y 5m	Yes <sup>6**</sup>	35*(1y 6m) <sup>6</sup>	CI21	Clm	7y 0m	No	0
NH14	Con, NHm	5y 11m	Yes <sup>6</sup>	15*(2y) <sup>6</sup>	CI22	Clm	8y 5m	No	0
NH15	NHn	13y 4m	No	0	CI23	Clm	9y 0m	No	0
NH16	Con, NHn	9y 9m	No	15 <sup>3</sup>	CI24	Clm	5y 6m	Yes <sup>2,3</sup>	23*(2y 4m) <sup>2</sup>
NH17	Con, NHn	10y 11m	No	0	CI26	Clm	5y 6m	Yes <sup>2,3</sup>	23*(2y 4m) <sup>2</sup>
NH18	Con, NHn	7y 10m	No	0	CI27	Clm	5y 6m	No	0
NH19	Con, NHn	8y 3m	No	0	CI28	Clm	7y 4m	No	24(3y) <sup>7</sup>
NH20	Con, NHn	5y 10m	No	12*(1y) <sup>6</sup>	CI29	Clm	10y 0m	No	0
NH21	Con, NHn	7y 8m	No	15*(3m) <sup>6</sup>	CI30	Clm	7y 11m	No	0
NH22	Con, NHn	8y 1m	Yes <sup>9</sup>	0	21	Clm+Clm=8+13		N attend = 8	N attend = 9
NH23	Con, NHn	6y 8m	No	12(3y) <sup>6</sup>	<sup>1</sup> ID = identification number; N = number, y = years, m = months; Con = NH control child; Clm/Clm = Musically active/non-active child with a CI; NHm/NHn = Musically active/non-active normal-hearing child <sup>2</sup> The Lindfors Foundation music group <sup>3</sup> Dancing <sup>4</sup> Musical instrument lessons <sup>5</sup> Singing and playing instruments in a club and at daycare <sup>6</sup> Music play school <sup>7</sup> Music group for hearing impaired children (playing instruments) <sup>8</sup> Dancing and singstar training <sup>9</sup> Boy choir <sup>10</sup> Musical instrument lessons (music play school before those) <sup>11</sup> Opera choir <sup>12</sup> School music class (singing, playing instruments). <sup>13</sup> Ballet *Musical activity started with parents **Discontinued musical activities less than one year before measurements ***Singing and playing instruments at home from birth.				
NH24	Con, NHn	8y 3m	No	0					
NH25	NHn	6y 8m	No	12*(1y) <sup>3</sup>					
NH26	NHm	10y 6m	Yes <sup>4,11,12,13</sup>	107*(4m) <sup>10; 13</sup>					
NH27	NHm	9y 8m	Yes <sup>4,11,12</sup>	68*(3y) <sup>10</sup>					
NH28	NHm	12y 4m	Yes <sup>12,13</sup>	72 <sup>13; 12</sup>					
NH29	NHm	10y 6m	Yes <sup>4,12</sup>	89*(1y) <sup>10</sup>					
NH30	Con, NHm	12y 6m	Yes <sup>4</sup>	54*(2y) <sup>10</sup>					
NH31	NHm	12y10m	Yes <sup>4</sup>	110*(1y) <sup>10</sup>					
31	Con = 21; NHm+ NHn= 16+15= 31		N attend = 19	N attend = 20					

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