

**Supplemental Table S4.** Effects of talker variability on generalization and retention.

	First Author and Year	Hedge’s g	variance	95% CI	Participant number	Mean difference between pre-post-tests (SD)	
						MT	ST
Studies testing generalization effects							
1	Deng_2018	-0.08	0.13	[-0.80; 0.63]	MT(16)-ST(16)	0.60 (0.23)	0.62 (0.24)
2	Lee_2007	0.26	0.09	[-0.32; 0.83]	Total(47)	Per: F stats (0.812)	
3	MacDonald_2012	0.59	0.10	[-0.02; 1.21]	MT(14)-ST(14)	0.09 (0.09) 0.06 (0.16)	0 (0.10) 0.03 (0.06)
4	Perrachione_2011:1	1.28	0.22	[0.37; 2.19]	MT(10)-ST(16)	0.97 (0.25)	0.88 (0.08)
5	Perrachione_2011:2	0.38	0.18	[-0.45; 1.22]	MT(10)-ST(16)	0.75 (0.17)	0.68 (0.17)
6	Shehata_2013	4.51	0.49	[3.14; 5.89]	MT(15)-ST(15)	Per: F stats (161.398)	
7	Silpachai_2020	0.50	1.10	[-1.55; 2.56]	MT(14)-ST(13)	0.35 (0.12)	0.30 (0.09)
8	Wong_2013	0.43	0.47	[-0.91; 1.78]	MT(9)-ST(7)	0.15 (0.09) 0.13 (0.06) 0.12 (0.11)	0.21 (0.17) 0.07 (0.03) 0.04 (0.13)
9	Zhang_2021:1	-0.06	0.13	[-0.76; 0.65]	MT(20)-ST(20)	0.16 (0.15)	0.17 (0.17)
10	Zhang_2021:2	0.46	0.12	[-0.22; 1.14]	MT(20)-ST(20)	0.14 (0.13)	0.09 (0.11)
Studies testing retention effects							
1	MacDonald_2012	1.04	0.14	[0.31; 1.77]	MT(10)-ST(12)	0.08 (0.09) 0.08 (0.16) 0.27 (0.21)	-0.04 (0.10) -0.02 (0.06) 0.07 (0.15)
2	Silpachai_2020	1.58	1.35	[-0.69; 3.85]	MT(9)-ST(7)	0.25 (0.15) 0.44 (0.22) 0.67 (0.06)	0.11 (0.15) 0.31 (0.20) 0.37 (0.08)