S3 Table. Analyses with the Control Variable "Talker".

Note that, as stated in the results section, in addition to the results reported in the main text, we also inspected each model reported as follows: (i) we looked at the main effect of the control variable *talker* (ii) wherever we had found a reliable main effect or interaction with the experimental factors, we looked to see this was qualified by a higher level interaction with *talker*. These analyses are not reported in the main text except in cases where there *was* an interaction and it broke down to show that the effect was only reliable for one of the two talkers.

Task	Age group	Co-Efficient	
Training	Adults	Talker *	beta = 2.11, SE = 0.28, z = 7.41, p < .001
		condition by talker	beta = 1.73 , SE = 0.45 , z = 3.82 , p < $.001$
		training-session by talker	beta = 0.26 , SE = 0.06 , z = 4.18 , p < $.001$
		condition by training-session by talker	beta = 0.26, SE = 0.11, z = 2.44, p = .015
		female 1: condition	beta = 0.72 , SE = 0.29 , z = 2.53 , p = $.012$
		female 1: training-session	beta = 0.21 , SE = 0.02 , z = 10.41 , p < $.001$
		female 1: condition by training-session	beta = 0.07, SE = 0.04, z = 1.98 p = .048
		female 2: condition	beta = 2.47, SE = 0.44, z = 5.60, p < .001
		female 2: training-session	beta = 0.49 , SE = 0.06 , z = 7.53 , p < $.001$
		female 2: condition by training-session	beta = 0.33 , SE = 0.11 , z = 3.10 , p = $.002$
	Children	talker	beta = 0.19 , SE = 0.22 , z = 0.85 , p = 0.395
		test-half by talker	beta = 0.19 , SE = 0.28 , z = 0.67 , p = $.506$
		condition by test-half by talker	beta = 0.73 , SE = 0.34 , z = 2.16 , p = $.031$
Training		female1, first half: condition	beta = -0.05 , SE = 0.31 , z = -0.16 , p = $.875$
S		female1, second half: condition	beta = 0.09 , SE = 0.33 , z = 0.27 , p = $.786$
		female1, first half: condition	beta = 0.22 , SE = 0.29 , z = 0.76 , p = $.45$
		female1, second half: condition	beta = 1.09 , SE = 0.29 , z = 3.83 , p < $.001$

		talker	beta = 0.17 , SE = 0.22 , z = 0.80 , p = $.423$
Training (high	Both	age-group by talker	beta = -1.07 , SE = 0.44 , z = -2.46 , p = $.014$
variability)		female1: age-group	beta = -0.47 , SE = 0.30 , z = -1.53 , p = $.126$
		female2: age-group	beta = -1.54, SE = 0.31, z = -4.94, p < .001
English	Children	talker	beta =- 0.1, SE = 0.28, z = -0.35, p = .728
Introduction		training-session by talker	beta = 0.14 , SE = 0.50 , z = 0.28 , p = 0.780
		training-session by condition by talker	beta = -0.56, SE = 1.00, z = -0.56, p = .579
Primed Auditory	Adults	talker	beta = -47.84, SE = 57.93, t = -0.78, p = .438
Lexical Decision, English prime trials (RT)		prime-target relationship by talker	beta = -71.58, SE = 40.29, t = -1.72, p = .09
Primed Auditory	Children	talker	beta = -70.54, SE = 97.11, t = -0.70, p = .489
Lexical Decision, English prime		test-session: talker	beta = -245.95, SE = 149.07, t = -1.58, p = .12
trials (RT)		prime-target relationship by talker	beta = -8.20, SE = 66.88, t = -0.12, p = .903
Primed Auditory		talker	beta = -0.20 , SE = 0.26 , z = -0.75 , p = $.453$
Lexical Decision,	Children		
English prime trials (accuracy)		test-session: talker	beta = 0.13, SE = 0.23, z = 0.58, p = .566
triais (accuracy)		prime-target relationship by talker	beta = 0.63, SE = 0.32, z = 1.95 p = .052
		talker	beta = 1.68, SE = 0.13, z = 12.66, p < .001
		talker by test-session	beta = -0.59, SE = 0.23, z = -2.53, p = .011
Three-Interval		female1: test-session	beta = -0.23 , SE = 0.15 , z = -1.51 , p = $.13$
Oddity Discrimination	Adults	female2: test-session	beta = -0.82 , SE = 0.23 , z = -3.61 , p < $.001$
Test.		voice-novelty by test-session by condition by talker word-novelty by voice-novelty by test-session by condition by talker	beta = 0.37, SE = 0.92, z = 0.40, p = .69 beta = 1.89, SE = 1.84, z = 1.03, p = .305
TI I 1	Children	talker	beta = 0.80 , SE = 0.07 , z = 10.82 , p < $.001$
Three-Interval Oddity			, , , , , , , , , , , , , , , , , , , ,
Discrimination		test-session by word-type by talker	beta = -0.17, SE = 0.30, z = -0.56, p = .578
Test.		test-session by condition by talker	beta = -0.36, SE = 0.31, z = -1.16, p = .246
Thurs I (1	Both	talker	beta = 1.17, SE = 0.07, z = 17.28, p < .001
Three-Interval Oddity		talker by age group	beta = -0.83 , SE = 0.14 , z = -5.97 , p < $.001$
Discrimination		female1: age-group	beta = -0.40 , SE = 0.13 , z = -3.02 , p = $.003$
Test.		female2: age-group	beta = -1.22 , SE = 0.16 , z = -7.88 , p < $.001$
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^{*}In each case, a positive coefficient for *talker* reflects greater performance with *female2*, which was the more intelligible talker across tasks.