

Supplemental Material S1. Individual effect sizes.

Study name	Statistics for each study							Weight
	Hedges's <i>g</i>	Standard error	Variance	Lower limit	Upper limit	<i>z</i> value	<i>p</i> value	
Weismer & al. (2000)	0.68	0.12	0.01	0.44	0.93	5.47	<i>p</i> < 0.001	2.12
Rodekohr & Haynes (2001) <i>White population</i>	1.19	0.46	0.21	0.27	2.11	2.55	<i>p</i> = 0.01	1.38
Rodekohr & Haynes (2001) <i>African population</i>	0.74	0.44	0.19	-0.12	1.61	1.66	<i>p</i> = 0.09	1.43
Conti-Ramsden (2003)	2.04	0.30	0.09	1.44	2.64	6.68	<i>p</i> < 0.001	1.76
Conti-Ramsden & Hesketh (2003)	1.22	0.27	0.07	0.69	1.75	4.53	<i>p</i> < 0.001	1.83
Gray (2003) <i>Time 1</i>	3.68	0.49	0.24	2.71	4.64	7.48	<i>p</i> < 0.001	1.33
Gray (2003) <i>Time 2</i>	2.80	0.42	0.17	1.97	3.62	6.66	<i>p</i> < 0.001	1.49
Gray (2003) <i>Time 3</i>	2.55	0.40	0.16	1.76	3.34	6.34	<i>p</i> < 0.001	1.53
Gray (2004)	1.99	0.38	0.14	1.24	2.73	5.21	<i>p</i> < 0.001	1.58
Horovov & Oetting (2004)	2.15	0.35	0.12	1.46	2.84	6.12	<i>p</i> < 0.001	1.65
Bortolini & al. (2006)	1.26	0.45	0.20	0.38	2.15	2.80	<i>p</i> < 0.001	1.41
Gray (2006) <i>3 years</i>	1.37	0.39	0.15	0.59	2.15	3.46	<i>p</i> < 0.001	1.54
Gray (2006) <i>4 years</i>	0.89	0.47	0.22	-0.02	1.82	1.90	<i>p</i> = 0.05	1.37
Gray (2006) <i>5 years</i>	0.95	0.38	0.15	0.18	1.71	2.44	<i>p</i> = 0.01	1.56
Gray (2006) <i>6 years</i>	1.07	0.38	0.14	0.32	1.82	2.82	<i>p</i> < 0.001	1.58
Oetting & Cleveland (2006)	1.73	0.30	0.09	1.13	2.33	5.65	<i>p</i> < 0.001	1.76

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	Hedges's g	Standard error	Variance	Lower limit	Upper limit				
Oetting & al. (2008) <i>White population</i>	1.97	0.43	0.18	1.13	2.82	4.58	$p < 0.001$	1.46	
Oetting & al. (2008) <i>African American population</i>	1.17	0.46	0.21	0.26	2.07	2.53	$p = 0.01$	1.40	
Jones & al. (2010) <i>Low lexicality nonwords</i>	1.72	0.38	0.14	0.97	2.47	4.48	$p < 0.001$	1.57	
Jones & al. (2010) <i>High lexicality nonwords</i>	1.53	0.37	0.13	0.80	2.26	4.11	$p < 0.001$	1.60	
Deevy & al. (2010)	2.27	0.29	0.08	1.69	2.86	7.64	$p < 0.001$	1.78	
Gutiérrez-Clellen & Simon-Cerejido (2010) <i>English task</i>	1.38	0.19	0.03	1.00	1.76	7.16	$p < 0.001$	2.01	
Gutiérrez-Clellen & Simon-Cerejido (2010) <i>Spanish task</i>	1.16	0.18	0.03	0.79	1.53	6.19	$p < 0.001$	2.02	
Thordardottir & al. (2011)	3.77	0.40	0.16	2.98	4.55	9.42	$p < 0.001$	1.54	
Petrucci & al. (2012)	0.91	0.24	0.05	0.43	1.38	3.74	$p < 0.001$	1.90	
Kapalková & al. (2013)	2.47	0.46	0.21	1.56	3.37	5.34	$p < 0.001$	1.39	
McKean & al. (2013) <i>High phonological probability</i>	1.82	0.36	0.13	1.10	2.54	4.98	$p < 0.001$	1.62	
McKean & al. (2013) <i>Low phonological probability</i>	1.43	0.34	0.12	0.75	2.12	4.12	$p < 0.001$	1.66	
Guiberson & Rodríguez (2013) <i>3 years</i>	0.52	0.52	0.27	-0.50	1.56	0.99	$p = 0.31$	1.25	
Guiberson & Rodríguez (2013) <i>4 years</i>	0.546	0.48	0.23	-0.39	1.49	1.13	$p = 0.25$	1.35	
Guiberson & Rodríguez (2013) <i>5 years</i>	1.33	0.55	0.30	0.25	2.42	2.41	$p = 0.01$	1.20	
Dispaldro & al. (2013)	3.33	0.52	0.27	2.30	4.36	6.35	$p < 0.001$	1.26	

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Paradis & al. (2013)	1.06	0.21	0.04	0.63	1.49	4.87	<i>p</i> < 0.001	1.95
Stokes & al. (2013)	0.69	0.32	0.10	0.06	1.33	2.12	<i>p</i> = 0.03	1.71
Thordardottir & Brandeker (2013)	0.48	0.26	0.07	-0.04	1.00	1.80	<i>p</i> = 0.07	1.85
Guiberson & Rodríguez (2015) <i>Younger children</i>	0.67	0.38	0.14	-0.07	1.42	1.76	<i>p</i> = 0.07	1.58
Guiberson & Rodríguez (2015) <i>Older children</i>	0.96	0.38	0.15	0.20	1.72	2.48	<i>p</i> = 0.01	1.56
Boerma & al. (2015) <i>Monolinguals/Dutch task</i>	2.09	0.31	0.10	1.46	2.71	6.56	<i>p</i> < 0.001	1.73
Boerma & al. (2015) <i>Monolinguals/Quasi-Universal task</i>	2.47	0.34	0.11	1.80	3.13	7.26	<i>p</i> < 0.001	1.68
Boerma & al. (2015) <i>Bilinguals/Dutch task</i>	1.76	0.30	0.09	1.17	2.35	5.85	<i>p</i> < 0.001	1.77
Boerma & al. (2015) <i>Bilinguals/Quasi-Universal task</i>	1.18	0.27	0.07	0.64	1.73	4.28	<i>p</i> < 0.001	1.83
Ferré & Dos Santos (2015) <i>Monolinguals/language dependent</i>	2.41	0.53	0.28	1.37	3.45	4.54	<i>p</i> < 0.001	1.25
Ferré & Dos Santos (2015) <i>Monolinguals/language independent</i>	1.80	0.47	0.22	0.87	2.74	3.78	<i>p</i> < 0.001	1.36
Ferré & Dos Santos (2015) <i>Bilinguals/language dependent</i>	1.06	0.37	0.13	0.34	1.79	2.87	<i>p</i> < 0.001	1.60
Ferré & Dos Santos (2015) <i>Bilinguals/language independant</i>	0.85	0.33	0.11	0.19	1.52	2.52	<i>p</i> = 0.01	1.68
Armon-Lotem & Meir (2016) <i>Monolinguals/Russian task</i>	2.16	0.28	0.07	1.60	2.71	7.68	<i>p</i> < 0.001	1.82
Armon-Lotem & Meir (2016) <i>Monolinguals/Hebrew task</i>	1.23	0.24	0.06	0.75	1.72	5.02	<i>p</i> < 0.001	1.89

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	Hedges's <i>g</i>	Standard error	Variance	Lower limit	Upper limit	<i>z</i> value	<i>p</i> value	
Armon-Lotem & Meir (2016) <i>Bilinguals/Russian task</i>	0.96	0.17	0.03	0.62	1.30	5.52	<i>p</i> < 0.001	2.04
Armon-Lotem & Meir (2016) <i>Bilinguals/Hebrew task</i>	1.76	0.19	0.03	1.38	2.14	9.05	<i>p</i> < 0.001	2.00
Le Clercq & al. (2017) <i>Normal version</i>	0.98	0.24	0.06	0.50	1.46	4.02	<i>p</i> < 0.001	1.90
Le Clercq & al. (2017) <i>Short version</i>	0.52	0.23	0.05	0.06	0.98	2.21	<i>p</i> = 0.02	1.92
Boerma & Blom (2017) <i>Monolinguals</i>	2.15	0.30	0.09	1.55	2.75	7.01	<i>p</i> < 0.001	1.76
Boerma & Blom (2017) <i>Bilinguals</i>	1.68	0.28	0.08	1.12	2.23	5.92	<i>p</i> < 0.001	1.81
Kazemi & Saeednia (2017)	3.35	0.43	0.19	2.50	4.21	7.69	<i>p</i> < 0.001	1.45
dos Santos & Ferré (2018) <i>Monolinguals</i>	2.28	0.51	0.26	1.26	3.29	4.40	<i>p</i> < 0.001	1.27
dos Santos & Ferré (2018) <i>Bilinguals</i>	1.10	0.34	0.12	0.42	1.78	3.17	<i>p</i> < 0.001	1.66
Li'el & al. (2019)	1.61	0.30	0.09	1.00	2.21	5.20	<i>p</i> < 0.001	1.75
McDonald & Oetting (2019) <i>Southern White English</i>	2.17	0.41	0.17	1.36	2.98	5.24	<i>p</i> < 0.001	1.50
McDonald & Oetting (2019) <i>African American English</i>	0.91	0.24	0.06	0.42	1.40	3.68	<i>p</i> < 0.001	1.89
Bonifacci & al. (2020)	1.13	0.29	0.08	0.54	1.71	3.81	<i>p</i> < 0.001	1.78
Pham & Ebert (2020)	1.09	0.33	0.11	0.42	1.75	3.22	<i>p</i> < 0.001	1.68
Random effects model	1.54	0.09	0.00	1.37	1.72	17.22	<i>p</i> < 0.001	

* *p* < 0.05. ** *p* < 0.01. *** *p* < 0.001.