

Supplemental Material S1. Studies included for review.

| Manuscript | | | | | | Intervention | |
|--------------|-------|------|--------|-----|---------|--------------|-------------|
| Author | Year | ID | Format | N | Age (M) | Type | Comparison |
| Adnams | 2007 | 857 | A | 36 | 9.58 | Phono+ | Control |
| Al Otaiba | 2005 | 1584 | A | 73 | 5.60 | Phono+ | Both |
| Allor | 2004 | 876 | A | 157 | 6.57 | Phono+ | Control |
| Anderson | 2010 | 982 | D | 61 | 4.50 | Phono+ | Alternative |
| Balbi | 2020 | 574 | A | 125 | 7.04 | Phono+ | Control |
| Barker | 1993 | 149 | D | 54 | 7.33 | Phoneme | Both |
| Baugh | 2005 | 1392 | D | 100 | | Phoneme+ | Alternative |
| Benner | 2003 | 179 | D | 36 | 5.70 | Phono+ | Control |
| Biancone | 2018 | 1415 | D | 102 | 4.40 | Phono | Control |
| Bingham | 2010 | 1331 | A | 63 | | Phono | Control |
| Bjorn | 2013 | 103 | A | 24 | | Phono | Control |
| Bode | 2011 | 1037 | A | 307 | 5.58 | Phoneme | Control |
| Bowyer-Crane | 2008 | 774 | A | 137 | 4.75 | Phono | Alternative |
| Brady | 1994 | 1574 | A | 42 | 5.33 | Phoneme+ | Control |
| Calhoon | 2007 | 524 | A | 76 | 6.54 | Phono+ | Control |
| Carson | 2019b | 260 | A | 23 | 5.43 | Phono+ | Control |
| Carson | 2019 | 515 | A | 24 | 4.75 | Phono+ | Control |
| Chera | 2003 | 188 | A | 75 | 4.08 | Phoneme | Control |
| Compton | 2000 | 943 | A | 41 | 6.56 | Phono+ | Control |
| Crespo | 2018 | 396 | A | 530 | 6.31 | Phono | Control |
| DeBaryshe | 2007 | 164 | A | 81 | 3.93 | Phono+ | Control |
| Duff | 2012 | 618 | A | 59 | 6.17 | Phono | Control |
| Ehri | 2007 | 1205 | A | 126 | 6.23 | Phono | Alternative |
| Elbro | 2004 | 909 | A | 82 | 6.17 | Phoneme+ | Control |
| Epstein | 1994 | 105 | D | 167 | 4.42 | Phono+ | Control |
| Falth | 2017 | 1055 | A | 27 | 6.00 | Phono+ | Control |
| Fives | 2013 | 61 | A | 229 | 6.58 | Phono+ | Control |
| Flis | 2018 | 102 | D | 82 | 6.38 | Phono | Control |
| Foorman | 1998 | 1523 | A | 133 | | Phono+ | Both |
| Foy | 2009 | 142 | A | 76 | | Phono+ | Control |
| Fricke | 2013 | 578 | A | 164 | 4.00 | Phono+ | Control |
| Fukuda | 2013 | 628 | D | 66 | | Phoneme+ | Control |
| Gillam | 2008 | 1444 | A | 162 | 7.50 | Phoneme+ | Both |
| Gillon | 2000 | 682 | A | 61 | 6.12 | Phono | Both |
| Gillon | 2007 | 1056 | A | 20 | 6.39 | Phono+ | Alternative |
| Gillon | 2005 | 1445 | A | 22 | 6.00 | Phoneme+ | Control |

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| Given | 2008 | 77 | A | 39 | 12.53 | Phono+ | Both |
| Gonzalez | 2002 | 1227 | A | 52 | 9.79 | Phono+ | Both |
| Hadley | 2000 | 284 | A | 22 | 5.75 | Phono | Control |
| Hagans | 2013 | 361 | A | 50 | | Phono+ | Control |
| Hatcher | 2004 | 131 | A | 304 | 4.67 | Phono | Both |
| Hatcher | 1994 | 579 | A | 93 | 7.49 | Phoneme | Both |
| Hatcher | 2006 | 666 | A | 77 | 5.50 | Phono+ | Alternative |
| Hecht | 2002 | 590 | A | 76 | 5.58 | Phono+ | Control |
| Helf | 2014 | 118 | A | 303 | | Phono+ | Control |
| Hempenstall | 2008 | 344 | A | 206 | 9.70 | Phono+ | Control |
| Hindson | 2005 | 213 | A | 86 | | Phono | Control |
| Howell | 2000 | 626 | A | 60 | | Phono | Control |
| Innes | 2020 | 681 | D | 48 | 4.00 | Phoneme | Both |
| Iverson | 1993 | 1073 | A | 96 | 6.17 | Phono+ | Both |
| Jiménez | 2003 | 409 | A | 59 | 8.74 | Phoneme | Control |
| Kartal | 2016 | 383 | A | 60 | 5.74 | Phoneme+ | Both |
| Kartal | 2016 | 1570 | A | 20 | 5.21 | Phono | Control |
| Kembert | 2016 | 1569 | A | 424 | 4.57 | Phono | Both |
| Kerins | 2010 | 538 | A | 23 | 6.42 | Phoneme+ | Control |
| Korkman | 1993 | 1667 | A | 46 | 6.12 | Phoneme+ | Control |
| Kyle | 2013 | 212 | A | 30 | 5.83 | Phoneme+ | Both |
| Lane | 2009 | 751 | A | 60 | | Phono+ | Both |
| Lane | 2007 | 980 | A | 24 | 6.59 | Phoneme | Control |
| Layes | 2020 | 310 | A | 44 | 10.27 | Phono | Control |
| Layne | 1997 | 740 | D | 16 | 7.62 | Phoneme+ | Control |
| Leafstedt | 2004 | 513 | A | 62 | | Phoneme | Control |
| Lennox | 2018 | 620 | A | 137 | 5.10 | Phono | Control |
| Li | 2018 | 1266 | A | 87 | 9.97 | Phoneme | Control |
| Linan-Thompson | 2005 | 1287 | A | 40 | 5.77 | Phono | Control |
| Lo | 2009 | 656 | A | 47 | | Phono+ | Both |
| Loeb | 2009 | 1421 | A | 74 | 7.42 | Phoneme | Both |
| Lonigan | 2016 | 31 | A | 132 | 4.85 | Phono+ | Control |
| Lonigan | 2003 | 616 | A | 41 | 4.59 | Phoneme | Control |
| Lonigan | 2013 | 1240 | A | 203 | 4.53 | Phono+ | Both |
| MacKay | 2011 | 211 | D | 100 | 5.35 | Phono | Both |
| Makhoul | 2017 | 952 | A | 206 | | Phono | Alternative |
| Mathes | 2001 | 1670 | A | 68 | 6.44 | Phoneme+ | Both |
| McMaster | 2005 | 1237 | A | 56 | | Phono | Both |

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| Author | Year | ID | Format | N | Age (M) | Type | Comparison |
| Milburn | 2017 | 373 | A | 181 | 4.86 | Phono+ | Control |
| Mirbazer | 2016 | 1390 | A | 60 | 12.50 | Phoneme+ | Control |
| Mitchell | 2001 | 1417 | A | 72 | 6.34 | Phoneme | Both |
| Nancollis | 2005 | 1043 | A | 213 | 4.54 | Phono | Control |
| Nelson | 2005 | 176 | A | 36 | 5.70 | Phono | Control |
| Nutkins | 2004 | 649 | D | 55 | 4.63 | Phoneme | Both |
| O'Connor | 2010 | 30 | A | 69 | | Phono+ | Control |
| O'Connor | 2009 | 1021 | A | 54 | 6.67 | Phono | Control |
| O'Shaugnessy | 1997 | 1245 | D | 45 | 7.67 | Phono+ | Both |
| Olofsson | 1985 | 631 | A | 83 | 6.92 | Phoneme+ | Control |
| Olson | 1997 | 330 | A | 103 | 8.97 | Phono+ | Alternative |
| Pietrangelo | 1999 | 976 | D | 129 | | Phono | Control |
| Pindiprolu | 2020 | 1146 | A | 20 | | Phono | Alternative |
| Plasencia-Peinado | 1999 | 648 | D | 102 | | Phono | Both |
| Pokorni | 2004 | 1047 | A | 38 | 8.72 | Phoneme+ | Alternative |
| Poskiparta | 1999 | 1644 | A | 30 | 7.13 | Phoneme | Control |
| Pullen | 2014 | 1338 | A | 100 | | Phoneme+ | Both |
| Raisor | 2006 | 20 | D | 44 | 3.50 | Phoneme | Both |
| Regtvoort | 2007 | 459 | A | 57 | 5.81 | Phono+ | Control |
| Ritter | 2013 | 63 | A | 64 | 7.77 | Phono | Control |
| Rule | 2006 | 725 | A | 34 | | Phono | Both |
| Ryder | 2008 | 665 | A | 24 | 6.71 | Phono | Control |
| Scanlon | 2008 | 1216 | A | 269 | | Phono | Alternative |
| Schneider | 2000 | 1575 | A | 217 | | Phono+ | Both |
| Schneider | 1999 | 1668 | A | 90 | | | Control |
| Schwartz | 2005 | 901 | A | 72 | 6.41 | Phono | Control |
| Segers | 2004 | 332 | A | 36 | 5.75 | Phoneme+ | Both |
| Senechal | 2012 | 1524 | A | 38 | 5.25 | Phoneme+ | Alternative |
| Seward | 2009 | 619 | D | 34 | 5.75 | Phono | Control |
| Simmons | 2007 | 233 | A | 66 | 5.58 | Phono+ | Alternative |
| Solari | 2018 | 435 | A | 90 | | Phono | Control |
| Solari | 2008 | 651 | A | 34 | 5.50 | Phono | Both |
| Stevens | 2008 | 1179 | A | 462 | | Phono | Control |
| Torgesen | 1999 | 1669 | A | 90 | 5.46 | | Alternative |
| Torgeson | 1997 | 325 | A | 105 | 5.43 | Phono+ | Both |
| Torgeson | 2010 | 1147 | A | 108 | | Phono+ | Both |
| Trainin | 2014 | 1333 | A | 53 | | Phono+ | Alternative |
| Travis | 1997 | 548 | D | 64 | 6.50 | Phoneme | Both |

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|--------------|------|------|--------|-----|---------|--------------|-------------|
| Author | Year | ID | Format | N | Age (M) | Type | Comparison |
| Troia | 2003 | 13 | A | 37 | 9.39 | Phono | Control |
| Ukrainetz | 2000 | 174 | A | 36 | 5.48 | Phoneme+ | Control |
| Ukrainetz | 2009 | 181 | A | 41 | 5.63 | Phono+ | Both |
| Vadasy | 2006 | 290 | A | 67 | | Phono+ | Control |
| Vadasy | 1997 | 1396 | A | 40 | 6.54 | Phono | Control |
| Vadasy | 2000 | 1671 | A | 46 | 6.61 | | Control |
| Van Kleeck | 1998 | 88 | A | 16 | 4.04 | Phoneme | Alternative |
| van Otterloo | 2009 | 416 | A | 57 | 5.87 | Phono+ | Control |
| Vanderwood | 2014 | 195 | A | 105 | | Phoneme+ | Control |
| Vaughn | 2006 | 509 | A | 89 | 6.60 | Phono | Control |
| Vaughn | 2006 | 511 | A | 41 | 6.59 | Phono+ | Control |
| Wang | 2000 | 880 | D | 47 | 7.50 | Phono | Both |
| Warren | 2009 | 1439 | D | 10 | 5.50 | Phoneme | Control |
| Warrick | 1993 | 999 | A | 28 | | Phono+ | Control |
| Weiner | 1994 | 555 | A | 40 | | Phoneme+ | Both |
| Wheldall | 2016 | 575 | A | 240 | 5.42 | Phono+ | Control |
| Whittaker | 2013 | 1241 | D | 264 | | Phono+ | Both |
| Wise | 2015 | 81 | A | 87 | 6.25 | Phoneme | Both |
| Wise | 2016 | 789 | D | 12 | 5.75 | Phono+ | Control |
| Wise | 1999 | 1054 | A | 110 | 8.98 | Phoneme+ | Both |
| Wise | 2000 | 1573 | A | 200 | 8.94 | Phono+ | Alternative |
| Wolff | 2011 | 528 | A | 112 | 9.25 | Phono+ | Control |
| Wolff | 2014 | 1172 | A | 112 | 9.25 | Phono+ | Control |
| Yeh | 2008 | 152 | A | 84 | 4.75 | Phono+ | Alternative |
| Yeh | 2003 | 559 | A | 44 | 5.08 | Phoneme+ | Alternative |
| Zoski | 2015 | 841 | D | 12 | 6.01 | Phono+ | Alternative |