

Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1. Woodcock Johnson Achievement Scores for individuals with SPHL and without CIs

Standard scores	Mean	Std. error	95% confidence int.
Synonym-antonym	82.05	3.61	[74.96, 89.13]
Passage comprehension	74.14	4.12	[66.06, 82.22]
Calculation	91.47	3.13	[85.33, 97.61]
Applied problems	82.57	3.51	[75.70, 89.44]
Science	72.58	3.90	[64.93, 80.23]
Social science	80.16	2.83	[74.61, 85.71]

eTable 2. Woodcock Johnson Achievement Scores for individuals with SPHL without CIs and annual family income below \$25,000

Standard scores	Mean	Std. error	95% confidence interval
Synonym-antonym	75.67	9.27	[57.49, 93.85]
Passage comprehension	69.60	9.72	[50.54, 88.66]
Calculation	88.15	5.50	[77.37, 98.93]
Applied problems	77.55	8.17	[61.54, 93.56]
Science	63.46	8.06	[47.66, 79.26]
Social science	72.50	6.32	[60.11, 84.88]

eTable 3. Woodcock Johnson Achievement Scores for individuals with SPHL without CIs and annual family income between \$25,000 and \$50,000

Standard scores	Mean	Std. error	95% confidence interval
Synonym-antonym	81.24	8.71	[64.15, 98.32]
Passage comprehension	72.30	11.02	[50.70, 93.89]
Calculation	90.85	6.26	[78.59, 103.12]
Applied problems	82.21	6.68	[69.12, 95.30]
Science	73.64	10.07	[53.90, 93.38]
Social science	78.56	6.23	[66.35, 90.77]

eTable 4. Woodcock Johnson Achievement Scores for individuals with SPHL without CIs and annual family income above \$50,000

Standard scores	Mean	Std. error	95% confidence interval
Synonym-antonym	86.75	7.44	[72.16, 101.33]
Passage comprehension	78.81	7.57	[63.97, 93.66]
Calculation	94.66	4.82	[85.20, 104.12]
Applied problems	86.58	3.48	[79.75, 93.41]
Science	78.45	6.43	[65.84, 91.06]
Social science	86.13	4.71	[76.90, 95.37]

eTable 5. Standard Scores from the CDaCI study for those implanted before 18 months

Standard Scores	Below \$50k	Above 50K	Overall
Composite	83.55 (4.56)	96.74 (3.57)	93.34 (3.54)
Antonyms	88.54 (4.51)	98.91 (3.36)	96.23 (3.25)
Synonyms	88.65 (5.12)	100.29 (4.26)	96.89 (4.17)
Reading fluency	102.14 (5.64)	115.73 (4.24)	112.65 (4.23)
Passage comprehension	92.2 (4.54)	103.35 (3.42)	100.81 (3.41)
Writing samples	104.12 (5.27)	114.89 (4.01)	112.33 (3.94)
Calculation	99.01 (4.24)	106.83 (3.12)	105.08 (3.06)
Written expression	99.2 (5.53)	109.44 (4.13)	107.07 (4.05)
Math fluency	90.56 (4.66)	97.57 (3.47)	95.88 (3.35)
Writing fluency	97.5 (4.85)	107.53 (3.54)	105.42 (3.51)

eTable 6. Standard Scores from the CDaCI study for those implanted after 18 months

Standard Scores	Below \$50k	Above 50K	Overall
Composite	71.8 (3.33)	84.98 (2.92)	79.41 (2.44)
Antonyms	78.29 (3.57)	88.66 (3.34)	83.92 (2.75)
Synonyms	79.99 (3.63)	91.62 (3)	87.05 (2.53)
Reading fluency	94.18 (4.24)	107.78 (3.36)	102.79 (2.9)
Passage comprehension	79.13 (3.42)	90.28 (2.7)	86.2 (2.34)
Writing samples	90.6 (4.03)	101.37 (3.1)	97.58 (2.68)
Calculation	92.82 (3.4)	100.64 (2.39)	98.26 (2.13)
Written expression	88.48 (4.43)	98.73 (3.11)	95.62 (2.77)
Math fluency	86.7 (3.84)	93.71 (2.73)	91.58 (2.41)
Writing fluency	85.47 (3.76)	95.5 (2.78)	92.19 (2.44)

eTable 7. Woodcock Johnson Achievement Scores for individuals with SPHL without CIs according to whether they were prescribed hearing aids or not

Standard scores	Mean (no hearing aid)	95% confidence int.	Mean (prescribed hearing aid)	95% confidence int.
Synonym-antonym	81.28	[70.41, 92.15]	82.12	[74.64, 89.60]
Passage comprehension	69.11	[56.89, 81.32]	74.60	[65.93, 83.28]
Calculation	90.28	[74.13, 106.43]	91.58	[85.55, 97.60]
Applied problems	81.22	[67.67, 94.78]	82.70	[75.56, 89.84]
Science	73.96	[56.97, 90.95]	72.45	[64.20, 80.71]
Social science	78.23	[67.65, 88.82]	80.34	[74.22, 86.47]