Erratum: "Development of a quick speech-in-noise test for measuring signal-to-noise ratio loss in normal-hearing and hearing-impaired listeners" [J. Acoust. Soc. Am. 116(4), 2395–2405 (2004)]

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In the original Tables I and II, the numbers for the 80% confidence intervals and 80% critical differences were incorrectly calculated as 1.6* Standard Deviation (corresponding to 90%) rather than the correct 1.28* Standard Deviation (80%). The revised Tables I and II show the correct values for all three confidence levels (80%, 90%, and 95%).

TABLE I. Reliability: number of QuickSIN lists required for a given accuracy. An 80% confidence interval is normally adequate for clinical testing, where the results of any one test are used in context with other factors. A single QuickSIN list is accurate to ± 1.8 dB at the 80% confidence interval, and to ± 2.2 dB at the 90% confidence interval. A 95% confidence interval is common for research reporting, where a reduced risk of error is normally required. In this case, a sngle QuickSIN list is accurate to ± 2.7 dB at the 95% confidence interval.

	Number of lists									
	1	2	3	4	5	6	7	8	9	
95% C.I. ±, in dB	2.7	1.9	1.6	1.4	1.2	1.1	1.0	1.0	0.9	
90% C.I. \pm , in dB	2.2	1.6	1.3	1.1	1.0	0.9	0.8	0.8	0.7	
80% C.I. $\pm,$ in dB	1.8	1.3	1.0	0.9	0.8	0.7	0.7	0.6	0.6	

TABLE II. QuickSIN critical differences for comparing two conditions (e.g., two hearing aids or hearing aid adjustments). If one list per condition is used, results must be greater than 2.5 dB different to be considered statistically significant at the 80% confidence interval, 3.2 dB at the 90% confidence interval, and 3.9 dB at the 95% confidence interval.

	Lists per condition									
	1	2	3	4	5	6	7	8	9	
95% C.D. ±, in dB	3.9	2.7	2.2	1.9	1.7	1.6	1.5	1.4	1.3	
90% C.D. ±, in dB	3.2	2.2	1.8	1.6	1.4	1.3	1.2	1.1	1.1	
80% C.D. ±, in dB	2.5	1.8	1.5	1.3	1.1	1.0	1.0	0.9	0.8	

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