

Audiogram of Familiar Sounds – Cochlear:  
[https://www.cochlear.com/5d6bf9c8-0e15-433c-aa1b-898df93c345d/en\\_rehab\\_ei\\_soundfoundationforbabies\\_supportmaterial\\_5.06mb.pdf?MOD=AJPERES&CACHEID=ROOTWORKSPACE-5d6bf9c8-0e15-433c-aa1b-898df93c345d-kGZSNiR](https://www.cochlear.com/5d6bf9c8-0e15-433c-aa1b-898df93c345d/en_rehab_ei_soundfoundationforbabies_supportmaterial_5.06mb.pdf?MOD=AJPERES&CACHEID=ROOTWORKSPACE-5d6bf9c8-0e15-433c-aa1b-898df93c345d-kGZSNiR)

### The SII-Based Method for Estimating the Articulation Index

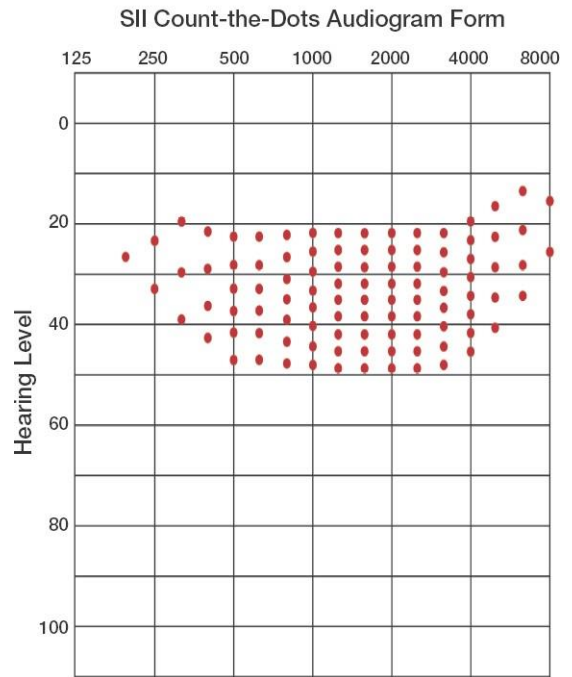
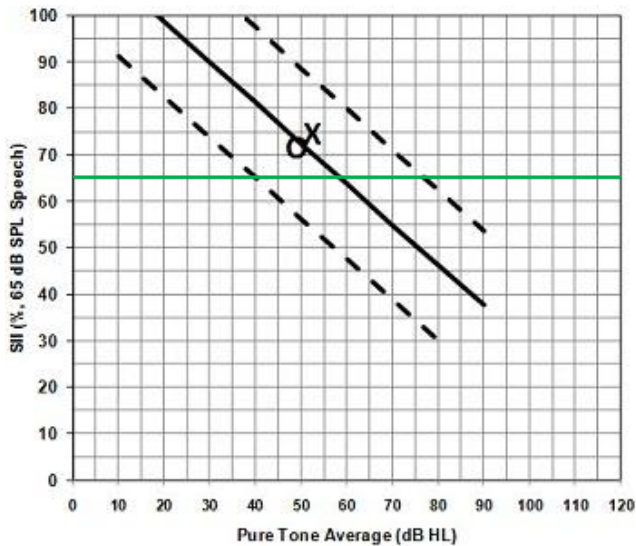


Fig. 2. Killion, M. C., & Mueller, H. G. (2010). Twenty years later: A NEW Count-The-Dots method. *The Hearing Journal*, 63(1), 10.



Degree of hearing loss compared to achievable Speech Intelligibility Index for 65 dB SPL input. A 'typical' aided SII value should fall within the dashed lines when plotted by the average of hearing thresholds at 500, 1000, and 2000 Hz.

Bagatto, M. P., Moodie, S. T., Malandrino, A. C., Richert, F. M., Clench, D. A., & Scollie, S. D. (2011). The University of Western Ontario Pediatric Audiological Monitoring Protocol (UWO PedAMP). Modified version online: <https://www.audiologyonline.com/articles/20q-baby-steps-following-verification-783>

Added to graph:  
 — SII = 65 (Children with mild to moderately severe hearing loss with an aided SII below 0.65 demonstrated greater delays in vocabulary development).

Derek J. Stiles, Ruth A. Bentler, and Karla K. McGregor. "The Speech Intelligibility Index and the Pure-Tone Average as Predictors of Lexical Ability in Children Fit With Hearing Aids." *Journal of Speech, Language, and Hearing Research*, June 2012, Vol. 55, 764-778.