

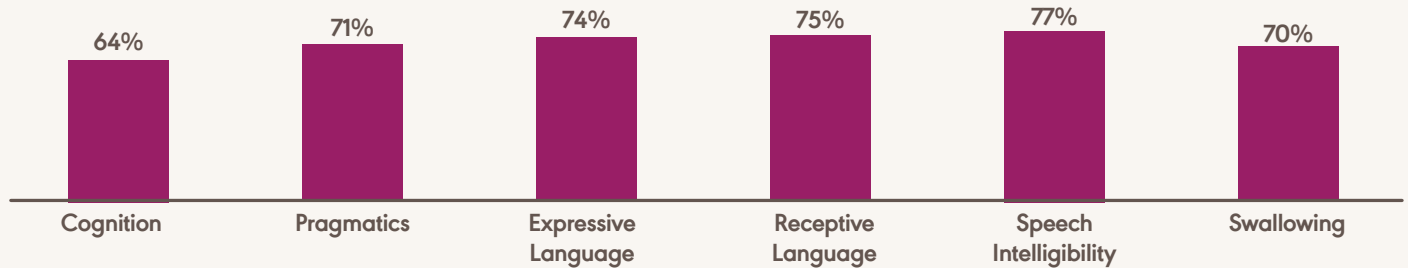


The Value of School-Based Speech-Language Pathology Services for Preschoolers



School-based speech-language pathologists (SLPs) improve functional outcomes in preschool students.

% of Preschoolers Making Functional Gains¹



Improved Speech Production

Following SLP-directed services, preschoolers with speech sound disorders...

- Improve consonant production by **13%-16%**.^{2,3}
- Generalize skills to **4** untargeted consonants and **6-7** untargeted consonant clusters.²
- Improve phonological accuracy **6 times** more compared with no treatment.⁴
- Exhibit **2 fewer** phonological error patterns.²

Compared to no treatment, intensive treatment leads to...

- **3 times** more improvement in consonant production, with skills maintained at 6 weeks.⁵



Improved Language and Communication

Compared with no treatment, SLP-directed...

Multimodal treatments improve...

- Expressive language skills **24 times** more.⁶
- Language content **38 times** more.⁶
- Morphology **3 times** more, with skills maintained at 6 weeks.⁶

Lexical treatments...

- Increase students' likelihood of achieving age-level expressive vocabulary skills by **2 times**.⁷
- Improve targeted vocabulary **8 times** more, with skills maintained at 12 months.⁷

Peer-mediated AAC interventions lead to...

- **24 times** more verbal and nonverbal communication acts per minute by autistic preschoolers.⁸
- **21 times** more communication acts per minute by peers when communicating with their autistic classmates.⁸
- **2 times** more parents reporting improved communication in their autistic children.⁸

Supplemental shared reading interventions improve receptive vocabulary **25 times** more, expressive vocabulary **3 times** more, and story inferencing **2 times** more.⁹



Collaboration between teachers and school-based SLPs leads to...

- **2 times** more improvement in nonverbal cognition and **3 times** more improvement in joint attention in autistic preschoolers when compared with less collaborative models.¹⁰
- **11 times** more improvement in use of targeted morphology in preschoolers with language disorders.¹¹

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