



# The Effectiveness of Crossovers and its Determinants:

## An interdisciplinary paper on Health Economics and Speech Pathology

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### Abstract

Local service provision models for speech-language therapy services observe that families normally perceive speech-language clinicians as the main providers of intervention. Families believe that they do not contribute directly to the crossover of management into a child's home. It is essential for families to access the optimal services needed to provide thorough home instruction and feedback to monitor the aptness with which they choose to crossover speech-language procedures to provide as many opportunities as possible for children with communication disorders to develop and generalize communication skills in the home. This study reports the relationship between (a) crossover of clinical intervention into the home and (b) perceptions of caregivers regarding the improvements of their child's development. A linear econometric regression was performed on gathered indicators from 33 respondents in local speech-pathology affiliation sites: a clinical setting and a school setting. The regression techniques applied stem from the classic linear regression model that acts as the foundation for all advanced non-linear and parametric econometric models. STATA 11 was used. The findings suggest that the families' perceptions of the holistic development of the child relies simultaneously on (a) social interaction in their age group and (b) the number of times a child receives therapy sessions, but not necessarily the lengthy duration of the latter. Other qualitative variables have yet to be captured and measured while the current quantitative ones have to be tweaked. It is recommended that the study be conducted on a larger sample size to validate the initial results.

### Keywords

speech-language pathology, speech therapy, health economics, education, language development, child development, neurodevelopmental pediatrics, communication skills, child language development, health policy planning, counseling, perception, families, parents, persons with disability, special education, psychological-social conditions, communication disorders