

THE ROLE OF LISTENER EXPECTATIONS ON JUDGMENTS OF CHILDREN'S /s/ PRODUCTIONS

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INTRODUCTION

- Transcription is the tool of choice of clinicians and researchers studying phonological development and disorder.
- However, problems with transcription include:
 - Listener judgments are influenced by their expectations.
 - Children do not always progress directly from clear substitutions to correct productions.
- Listener expectations:
 - Listeners' perceptions are influenced by information about a talker, such as gender, dialect, age, and social class.
 - For example, listeners hear the same diphthong differently depending on whether they believe the talker is from Canada or from the United States (Niedzielski, 1999).
- Non-categorical nature of development:
 - Covert contrast (subphonemic differences that are not perceptible to adults)
 - Intermediate productions (productions that are in between two phoneme categories)

RESEARCH QUESTIONS

- How do adults perceive children's correct productions of /s/ and /θ/, clear substitutions ([s] for /θ/ and [θ] for /s/), and intermediate productions (between /s/ and /θ/)?
- Do expectations about a child's age and the presence (or absence) of a phonological disorder, as cued by a carrier phrase, influence listeners' accuracy judgments?
- Do listeners with clinical experience perceive these productions any differently than listeners without clinical experience?

EXPERIMENT 1

PURPOSE

- To select the carrier phrases for Experiment 2

PARTICIPANTS

- 20 young adult listeners (English-speaking females)

STIMULI

- Productions of the carrier phrase "I really like" were elicited from a 5-year-old boy who was a native speaker of American English.

	Raised F ₀ and formants	Unchanged F ₀ and formants	Lowered F ₀ and formants
Error-free	"I really like"	"I really like"	"I really like"
	Total Number: 4	Total Number: 4	Total Number: 4

	Speech sound errors
	"I weawwy yike"

PROCEDURE

- Carrier phrases were presented to listeners in two separate tasks.
- Task 1: Listeners judged how old the child sounded using a 5 point scale.
- Task 2: Listeners judged how adult-like the child sounded using a 5 point scale.
- The order of the two tasks was counter-balanced across listeners.

