

# How Hearing Loss Affects Speech

Here is how hearing loss affects speech so we can revisit the hearing screening if we think a child's audition is impaired.

## PRELINGUISTIC VOCALIZATIONS

Prelinguistic vocalizations (the trills, squeaks, and growls) resemble the sounds made by hearing children in the first half-year of life (Oller et al., 1985).

1

2

## CANONICAL VOCALIZATIONS

In infants with profound hearing loss, canonical vocalizations (babbling) do not normally appear until the 6th month and can be as late as the 31st (Steffens et al., 1994).

## CONSONANT REPERTOIRE

The number of consonants that are present in the speech of children with HI is dramatically lower (Oller and Eilers, 1988; Wallace, 1999).

3

4

## VOWEL REPERTOIRE

Deviations in vowel productions in children with HI can be substitutions or distortions rather than omissions or class changes (Yoshinaga-Itano, 1998).

## SYLLABLE SHAPE

Consonantal and vocalic phoneme pairs produced by children with HI is limited to low frequency of multisyllabic utterances (Oller et al., 1985).

5

6

## UTTERANCE LENGTH

Speech development is slow and smaller numbers of utterance types are recorded at each age range (Davis et al., 2002).

## PHONOLOGICAL DEVELOPMENT

Processes specific to severe-to-profound hearing loss include: voicing substitutions, nasalization, omission and distortion of final consonants, and reduction of consonant blends (Yoshinaga-Itano, 1998).

7

8

## PROSODY

The rhythmic cadence of typical speech is not often present in the speech of children with impaired hearing (Oller et al., 1985).

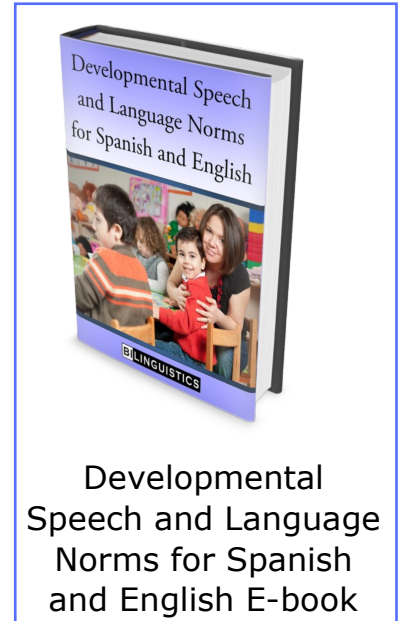
# Great Resources for Evaluations!



Success with Speech Sound Disorders



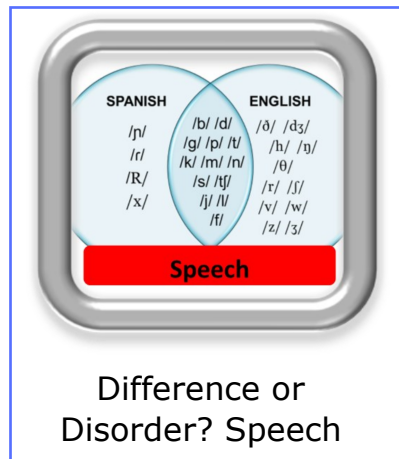
Difference or Disorder?



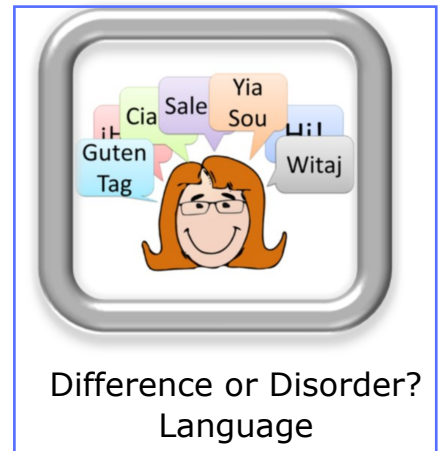
Developmental Speech and Language Norms for Spanish and English E-book



Working with Interpreters



Difference or Disorder? Speech



Difference or Disorder? Language

## SLPImpact COMMUNITY

### Get access to:

- Over 100 ASHA CEU Courses
- 2 Annual Conferences
- Monthly CEU Masterclasses
- SLP How-To Video Library
- Eval and Therapy Materials
- Support for difficult evaluation and therapy questions

**FIND OUT MORE**

