

Supplemental Material S1. List of stimuli used to assess stimulability and word-level production at pre-treatment, post-traditional, and post-treatment time points. The stimulability probe includes instructions for scoring and selection of targets for use in treatment.

Stimulability Probe

- Scoring: Mark each /r/ target with 1 or 0. Only a fully correct, adultlike /r/ sound should be given a score of 1. Distortions or substitutions receive a score of 0. If some attempts sound more accurate than others, but are not fully correct, make a note below the corresponding box.
- **Directions:** “Now we’re going to say some syllables with /r/ in them. I want you to listen and watch me, then do what I did. Try to make your very best /r/ sound.” Provide a model with each attempt.

Category	Syllable	Attempt (1-3)			Number correct	Comments
ʒ	mʒ					
	dʒ					
	ʒg					
Consonantal Front	#ri					
	#re					
	#rai					
Consonantal Back	#ru					
	#ro					
	#ra					
Vocalic Front	ir#					
	er#					
	aɪə#					
Vocalic Back	or#					
	ar#					
	auə#					
	Total				/45	

- Target Selection for PTR study: 8 total syllables
 1. Select two syllables that are the lowest accuracy in the /ʒ/ category for treatment.
 2. There are 4 remaining categories (consonantal front and back, vocalic front and back). Select 3 of these categories for treatment based on the lowest average accuracy. Within the 3 categories selected, pick two of the three syllable targets. Circle the 8 total syllables in the “Syllable” category that will be used for treatment.

Word Probe List

beard	rose
butter	robe
scarf	cheer
chair	turn
dark	race
farm	rake
share	raw
mother	stir
nurse	board
rude	barn
rock	rob
flower	run
floor	wrong
star	ladder
year	door
tear	stare
rug	sword
reach	fork
rip	ring
rules	raft
weird	wrap
worm	clear
sir	hammer
read	red
scare	ride