

Phonetic and Phonological Systems Analysis (PPSA)

Name Jake

Date _____

Data Used Picture naming

Age 6;2 yrs

PI	Target	Correct Realisation			Errored Realisation			Deletion			Place	Manner
		WI	WM	WF	WI	WM	WF	WI	WM	WF		
	p	1	11	111							Front → Back	Oral Stops/Plosives
	b	11111	11111	1								
	t	----	--	-----	gggg	kk	kkkkkk					
	d	---	--	----	ggg	gg	gggg					
	k	11--	1	1111	gg							
	g	11		11								
	m	1111	111	1							Front → Back	Nasals
	n	11		1111111								
	ŋ	/		1111111111								
	f	11111	1	1							Front → Back	Fricatives
	v	--	11	11	ww							
	θ	-	-	-	f	f	f					
	ð		-			v						
	s	----	-	--	gggg	k	kk					
	z	--	---	-----	gg	ggg	ggggggg					
	ʃ	--	-	--	gg	k	kk					
	ʒ	/	--			gg						
	h	11		/								
	tʃ	--	--	--	gg	?g ?g	kk				Affricates	
	dʒ	--		--	gg		gg					
	w	1111		/							Front → Back	Approximants
	r	---	-----	/	www	wwwwww						
	l	11	11111	11								
	j	1		/							Rhotic	
	r	/										

Other Errors (e.g., sequencing errors, consonant harmony)

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Some Clusters (^R applicable for rhotic accents)

Word Initial		Word Medial	Word Final	
pl- ✓ ¹¹	fl- fəl ¹	-pl- ✓ ¹	-mp ✓ ¹	-ks
pɹ- pʊ ¹	fɹ- fʊ ¹	-θd- -fg ⁻¹	-nt -ŋk ¹¹	-gz
bl- bəl ¹ ✓ ¹	θɹ- fʊ ¹ fw ¹	-fl- ✓ ¹	-nd -ŋg ¹¹	-pt
bɹ- ✓ ¹ bw ¹	sp- kəp ¹¹	-mn- -ml ⁻¹	-ŋk	-bd
tw-	sm- gəm ¹	-sm- -km ⁻¹¹	-ft -fk ¹	-kt
tɹ- kw ¹ gw ¹	sw- kw ¹	-nt- -ŋg ⁻¹	-sp	-ɹ ^R
dw-	st- g ¹	-ŋg- ✓ ¹	-st -k ¹¹	-ɪb ^R
dɹ- gəw ¹	sn- gl ¹	-mp- ✓ ¹	-sk -k ¹	-ɪd ^R
kw-	sl- gl ¹	-ŋk- ✓ ¹	-lp	-ɪts ^R
kl- gəl ¹ gl ¹	sk- g ¹¹	-ns- -ŋk ⁻¹	-lt -lk ¹	-ɪn ^R
kɹ- kw ¹¹	spl-	-sm- -km ⁻¹	-lk ✓ ¹	
gl- gəl ¹	spɹ-	-mb- ✓ ¹	-ps -pʔ ¹	-vz -vg ¹
gr- gw ¹	stɹ- gu ¹ gəw ¹	-nd- -ŋg ⁻¹¹	-bz	-ndʒ ŋ ¹
	skw-	-mbɹ- -mbl ⁻¹	-ts	
	skɹ- gw ¹	-bɹ- -bw ⁻¹	-dz -g ¹	

Error Pattern Summary (shading denotes atypical error patterns)

Structural	(✓)	Segmental	(✓)	Phonetic	(✓)
Reduplication		Pre-vocalic voicing		Dentalisation	
Weak syllable deletion		Post-vocalic devoicing		Lateralisation	
Final C deletion		Velar fronting		Palatalisation	
Initial C deletion		Alveolar backing		Ingressive air stream	
h-deletion		Stopping of fricatives		Nasal emission	
Consonant insertion		Gliding of fricatives		Clicks	
Vowel insertion		Palatal fronting			
Cluster reduction		Stopping of affricates			
Coalescence		Deaffrication		Other	
Diphthong reduction		Gliding of liquids		Fricative simplification	
Diphthongisation		Glottal replacement		l-vocalisation	
Linearisation of features		Excessive glottal replacement		/ɹ/ → [v]	
		Systematic sound preference			
Word level errors		Vowel lowering		Variability/Further ax?	
Consonant harmony		Vowel raising		Progressive variability	
Transposition (metathesis)		Vowel fronting		Context-conditioning	
Sequencing errors		Vowel backing		Inconsistent production	
				Multi-lingual influence	

