Complementary distribution in child speech

(1) N.E., age 4;6

	a. Coronals occur before front vowels				
	[tɛi]	'catching'	[dɛ]	'leg,' 'dress'	
	[te]	'cage'	[de?]	'gate'	
	[tɪkʊ]	'chicken'	[dɪ]	'swim'	
b. Velars occur before back vowels					
	[ko]	'comb'	[go?]	'goat'	
	[ku?]	'soup'	[gu ^h]	'tooth'	
	[ka]	'Tom'	[ga]	'dog'	
	[ka ^h]	'cough'	[gʊ]	ʻgirl'	
c. Labials occur before front and back vowels					
	[pɪ]	'pinch'	[bɪ]	ʻbig'	
	[pu ^h]	'push'	[bɛ]	'bed'	
	[pi?]	'peach'	[bo]	'blow'	
	[pe]	'page'	[bu?]	'boot'	
(2) Amahl, Stage 1, age 2;60					
a. Prevocalic voiced for target voiced					
	[be:bi:]	'baby'	[bɛk]	'back'	
	[dɛdiː]	'Daddy'	[dɔː]	'door'	
	[ga:gi:]	'glasses'	[geip]	'grape'	
b. Prevocalic voiced for target voiceless					
ł	o. Prevocalic vo	viced for target voicele		See. F	
ł	o. Prevocalic vo [baːk]	viced for target voicele 'park'		'pedal'	
ł		•	ess		
ł	[baːk]	'park'	ess [begu]	'pedal'	
	[ba:k] [dɛdi:] [ga:bi:]	'park' 'teddy'	ess [bɛgu] [diːt]	'pedal' 'teeth'	
	[ba:k] [dɛdi:] [ga:bi:]	'park' 'teddy' 'carpet'	ess [bɛgu] [diːt]	'pedal' 'teeth'	
	[baːk] [dɛdiː] [gaːbiː] c. Final voiceles	'park' 'teddy' 'carpet' ss for target voiced	ess [bɛgu] [diːt] [gʌm]	'pedal' 'teeth' 'come'	
C	[baːk] [dɛdiː] [gaːbiː] c. Final voiceles [aːt] [gɛk]	'park' 'teddy' 'carpet' ss for target voiced 'hard'	ess [bεgu] [di:t] [gʌm] [deidi:bə:t]	<pre>'pedal' 'teeth' 'come' 'ladybird'</pre>	
C	[baːk] [dɛdiː] [gaːbiː] c. Final voiceles [aːt] [gɛk]	'park' 'teddy' 'carpet' ss for target voiced 'hard' 'leg'	ess [bεgu] [di:t] [gʌm] [deidi:bə:t]	<pre>'pedal' 'teeth' 'come' 'ladybird'</pre>	
C	[baːk] [dɛdiː] [gaːbiː] c. Final voiceles [aːt] [gɛk] d. Final voiceles	<pre>'park' 'teddy' 'carpet' ss for target voiced 'hard' 'leg' ss for target voiceless</pre>	ess [bɛgu] [di:t] [gʌm] [deidi:bə:t] [bɛk]	<pre>'pedal' 'teeth' 'come' 'ladybird' 'peg'</pre>	

Chain shifts: $s \rightarrow \theta \rightarrow f$ (demonstrates many child errors are not due to immature articulation)

(3) Subject 33, age 5;4

a.	[f] for target /f/					
	[faɪjəʰ]	'fire'	[faɪv]	'five'		
	[burəfʊ]	'beautiful'	[tafın]	'coughing'		
	[naɪf]	'knife'	[jif]	'leaf'		
b.	[f] for target /θ/					
	[forn]	'thorn'	[fʌm]	'thumb'		
	[bæfi]	'bath (dimin.)'	[maʊfi]	'mouth (dimin.)'		
	[bæf]	'bath'	[tuf]	'tooth'		
c.	[θ] for target /s/					
	[0 0]	'sew'	[0i?]	'sink'		
	[bʌθi]	'bus (dimin.)'	[aɪθi]	'icy'		
	[duθ]	'juice'	[veiθ]	'vase'		