

Does group intervention make a difference for the speech sound development of children with DLD?

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INTRO

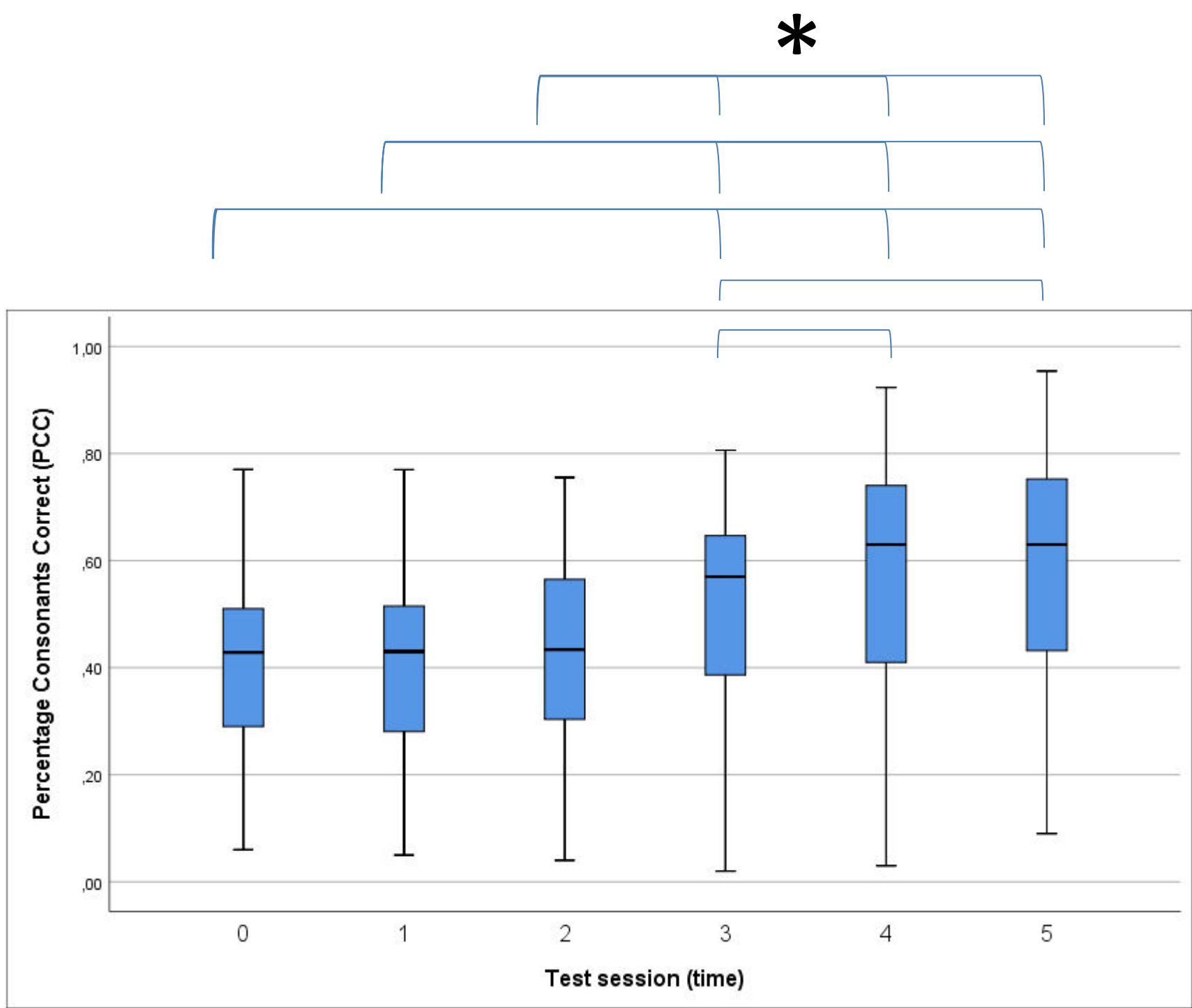
- In special treatment groups for children with DLD, an additional SSD is currently only treated in individual speech therapy sessions.
- Does an added group intervention by trained childcare professionals accelerate the speech sound development of children with SSD and DLD?

METHODS

- N = 31
- Within-participant multiple baseline design: 6 measurements of speech production and additional measures.
- Mixed model analysis (Multi-level analysis).

RESULTS

Children benefit from the intervention displaying an increase in speech sound production after the intervention as compared to before the intervention. We found a significant main effect of measurement time on Percentage Consonants Correct (PCC):  $F(5,47) = 38.476, p < .001$ .

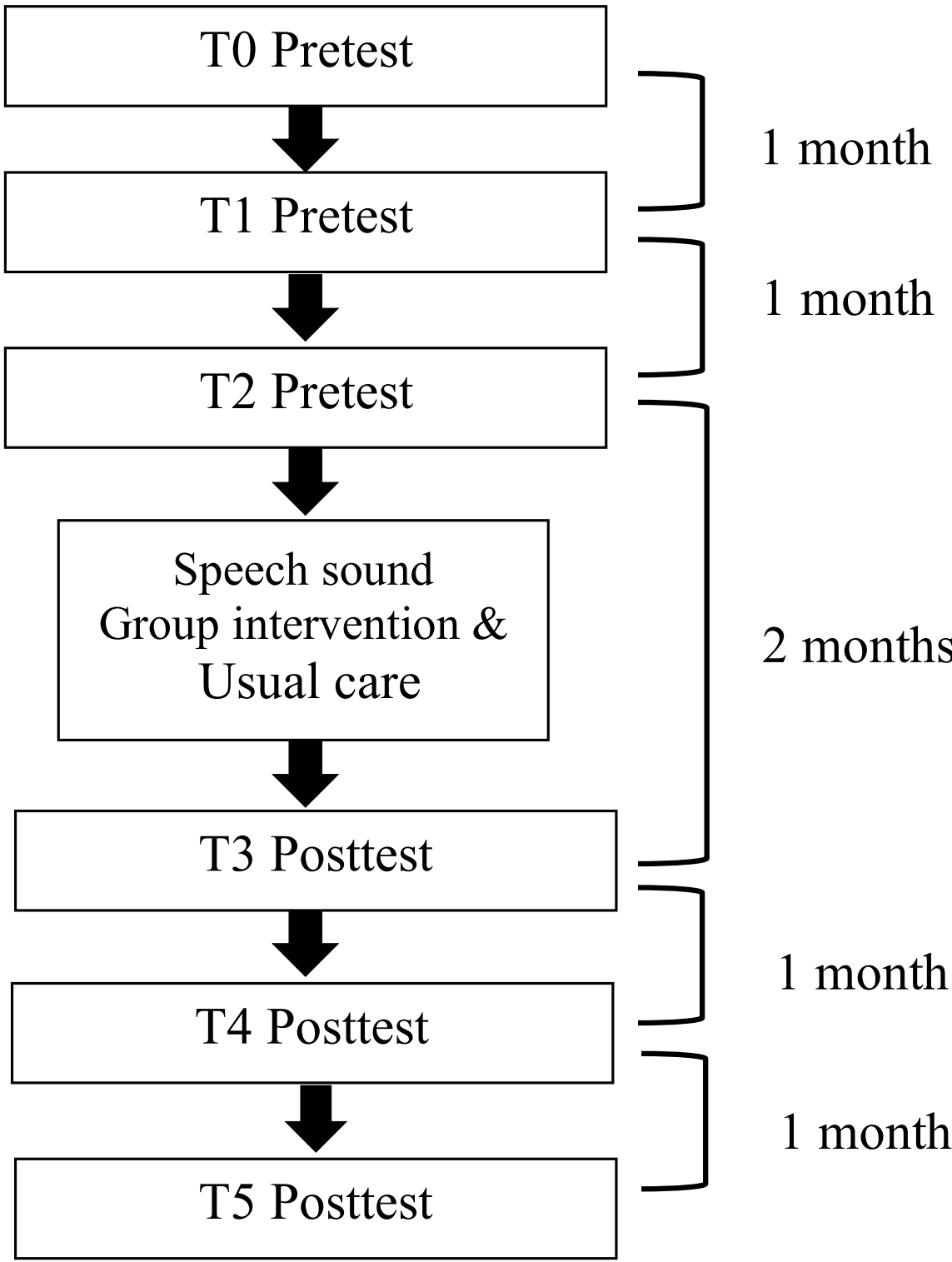


CONCLUSION AND DISCUSSION

- This finding implies that an added group intervention by trained professionals in combination with individual speech therapy accelerates speech sound development as compared to only individual speech therapy.
- This finding holds on the group level and future analysis will examine for which subtypes of SSD the intervention is most beneficial.



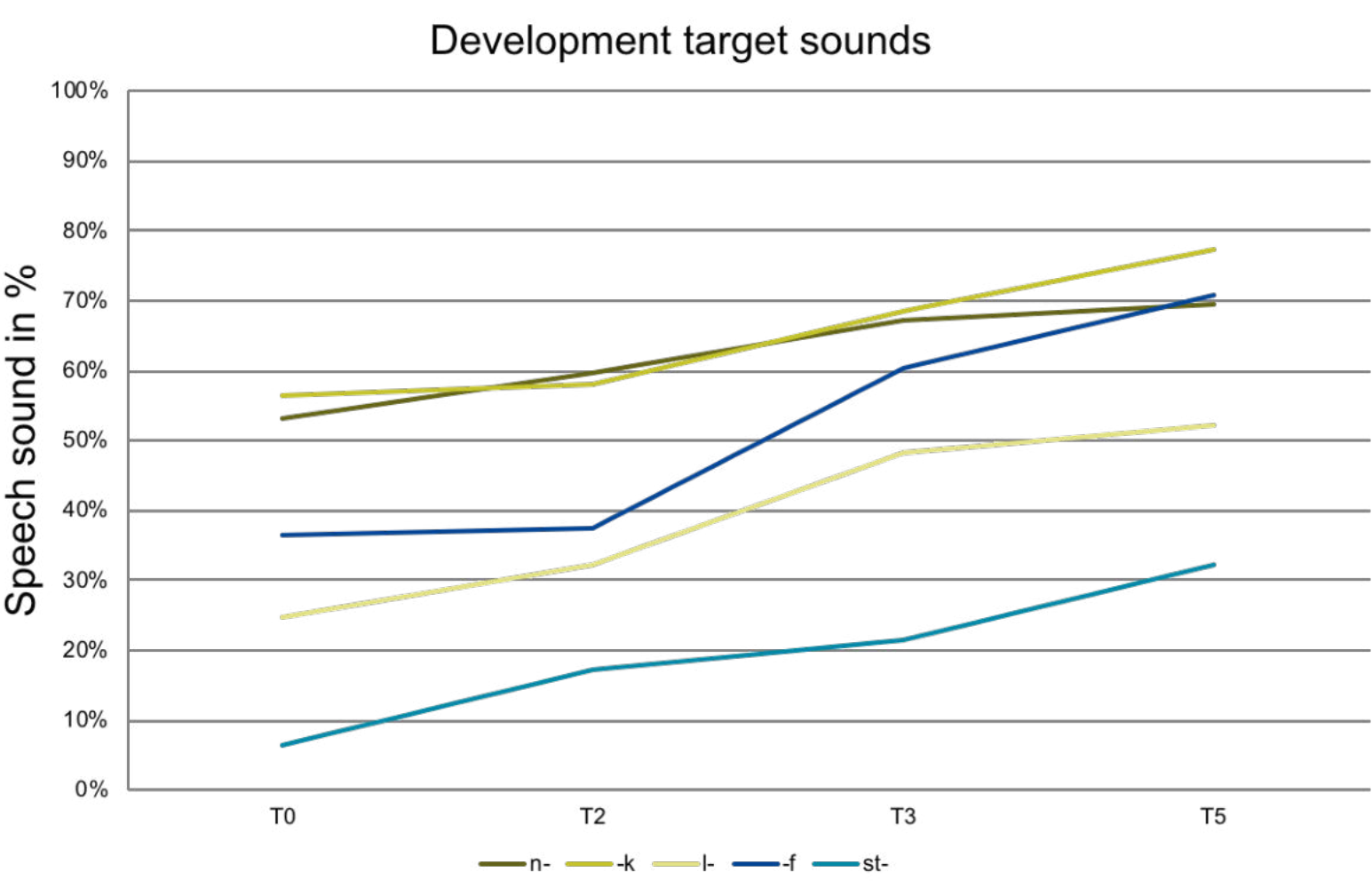
Added group intervention accelerates speech sound development of children with Speech Sound Disorder (SSD) and Developmental Language Disorder (DLD).



	T0	T1	T2	T3	T4	T5
NAO VW (naming task)	✓	✓	✓	✓	✓	✓
Metaphon (naming task)	✓	✓	✓	✓	✓	✓
Receptive minimal pair task	✓				✓	
Motor planning	✓					✓
ICS (intelligibility by parents)	✓					✓
SAO PROMPT	✓					
Test scores IQ, passive and active vocabulary, language comprehension, grammar	From records					

Session	S.	Place	Manner	Voiced	Position	Targeted process
1,2,3	n-	Alveolar	Nasal	+	Initial	Consonant deletion / lateralization /h-zation
4,5,6	-k	Velar	Plosive	-	Final	Fronting
7,8,9	st-	Alveolar	Fricative + Plosive	-	Initial	Cluster reduction
10,11,12	-f	Labiodental	Fricative	-	Final	Stopping
13,14,15	l-	Alveolar	Liquid	+	Initial	Gliding

	Mean	Min.	Max.
Age	3;4	2;10	3;8
IQ	94.8	82	111
Sentence comprehension	78.9	55	118
Passive vocabulary	89.9	67	106
Sentence production	72.6	55	93
Active vocabulary	68.5	55	99



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