

# Dosage factors influencing change in oral language following receipt of Launch to School

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## Background

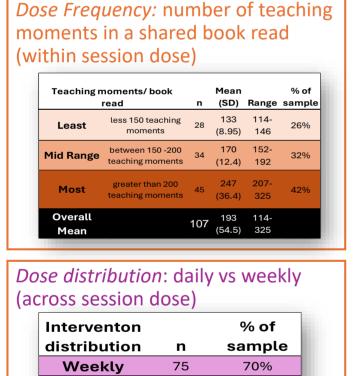
- Intervention dosage is an active ingredient that requires investigation
- Dose in interventions treating communication disorders is measured within and across sessions
- Some early research shows within session dose factors are more influential to outcomes.

## What is Launch to School (L2S)?

- Multidisciplinary, group-based, manualised emergent literacy treatment for preschool children with communication disorders.
- 8 x 2-hour sessions delivered daily or weekly
- Written and developed at Liverpool Hospital
- Controlled trial within clinical practice

What is the impact of four dose elements on the oral language gains over three assessment times (pre, post and follow-up) made by children with communication disorders receiving L2S?

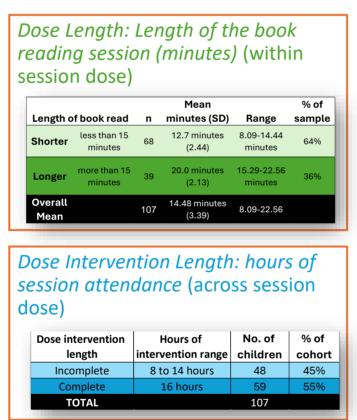
#### Method

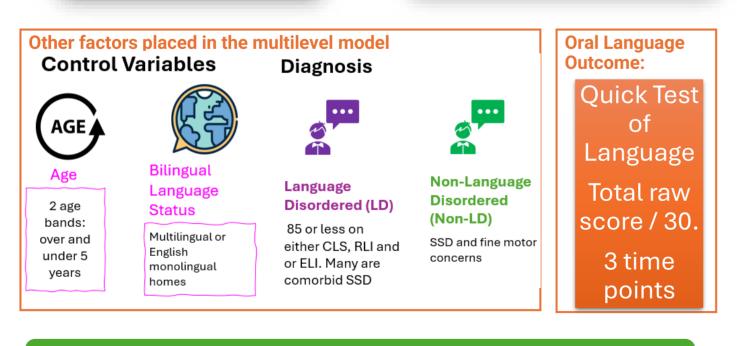


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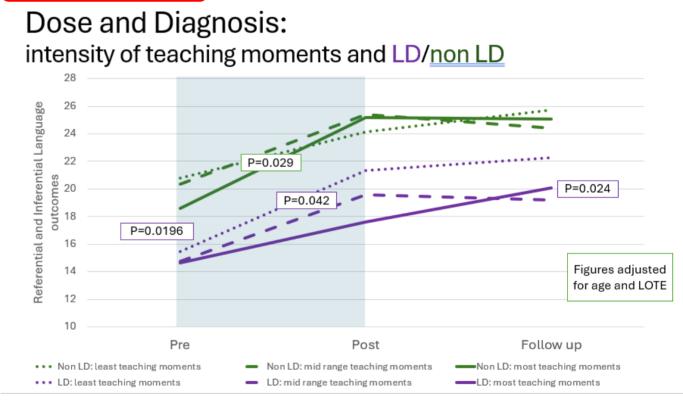
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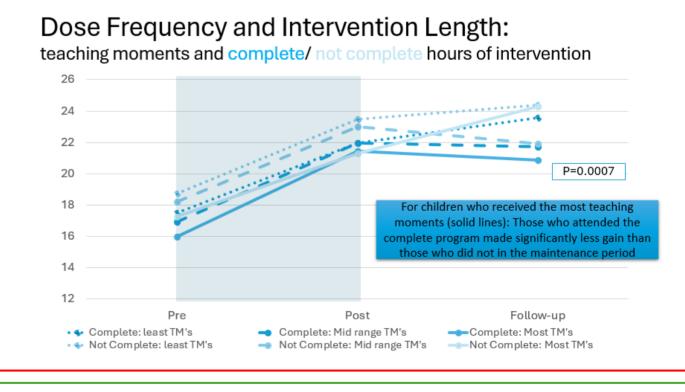
Daily





#### Results





### Discussion and implications

- LD and non-LD children responded differently to the number of teaching moments received
- For LD children diminishing returns maybe the lower end ~1 teaching moment every 8 seconds indicating an increased processing load reducing outcomes
- Dose frequency (teaching moments) an active ingredient
- Generally high dosage of clinician talk
- Within session dose elements most influential to outcomes

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