Supplemental Material S3 shows percentile scores on clinical tests and the percentage of children scoring at or below the 10^{th} percentile in each of the four treatment arms. Each variable also includes a Kruskal-Wallis test. None of the variables showed a significant effect for treatment arm, indicating no significant differences between children in the different treatment arms. The probability of an effect for treatment arm for the GFTA approached significance (p = .088). The trend was for children in treatment arm 3 (4-9 x 6-6 treatment schedules) to have lower GFTA percentile ranks on average compared to children in treatment arms 1, 2, and 4. As articulation skill was not the focus of this study and is not expected to be linked to word learning, this difference is not concerning. Overall, this analysis of test score data suggest that children in each treatment arm had similar language skills even though they differed on demographic characteristics. Thus, we consider the treatment arms to be relatively well matched on the skills most likely to influence treatment outcomes.

Supplemental Material S3. *Percentile scores for participants in each treatment arm on standardized clinical tests.*

Standardized clinical test	Ar	m 1: 6x6 – 9x4	Arm 2: 9x4 – 6x6	Arm 3: 4x9 – 6x6	Arm 4: 6x6 – 4x9
		(n = 8)	(n = 9)	(n = 9)	(n = 8)
Age (years; months)	M	5;5	5;8	5;8	5;4
χ^2 (3, N = 34) = 5.18, p = .16	SD	0;3	0;4	0;4	0;4
Ra	inge	5;0-5;8	5;0-6;2	5;0-6;2	5;1-6;1
RIAS Nonverbal IQ	M	56	53	47	64
χ^2 (3, N = 34) = 2.59, p = .46	SD	19	28	21	22
	inge	23-82	16-93	21-81	34-95
% at or below 10 th percer	ntile	0%	0%	0%	0%
CELF Core Language	M	2	2	1	4
χ^2 (3, N = 34) = 0.48, p = .92	SD	3	3	2	4
	ınge	0.1-8	0.1-10	0.1-5	0.2-10
% at or below 10 th percent	ntile	100%	100%	100%	100%
Vocabulary: DELV Semantic	M	6	9	4	6
χ^2 (3, N = 34) = 0.35, p = .95	SD	8	16	3	12
	ınge	1-25	0.4-50	0.1-9	1-37
% at or below 10 th percen	ntile	88%	78%	100%	88%
Vocabulary: CELF Word Classes	M	23	12	15	18
χ^2 (3, N = 34) = 1.35, p = .72	SD	26	16	21	22
	ınge	0.4-75	0.1-50	0.1-63	0.4-63
% at or below 10 th percent	ntile	50%	78%	67%	63%
CELF Concepts & Following Directions	M	6	5	4	8
χ^2 (3, N = 34) = 0.95, p = .81	SD	12	5	4	9
	ınge	0.4-37	0.1-16	0.1-9	0.1-25
% at or below 10 th percen	ntile	88%	89%	100%	75%

CELF Word Structure	4	4	4	8
χ^2 (3, N = 34) = 4.49, p = .21	D 6	5	5	7
Rang		1-16	0.1-16	0.4-25
% at or below 10 th percentil	e 88%	89%	89%	88%
CELF Recalling Sentences		4	9	7
χ^2 (3, N = 34) = 1.88, p = .60	6	5	16	13
Rang		0.4-16	0.1-50	0.1-37
% at or below 10 th percentil	e 88%	89%	78%	88%
CELF Formulating Sentences M		6	5	7
χ^2 (3, N = 34) = 4.54, p = .21	5	9	8	5
Rang	e 0.1-16	0.1-25	0.1-25	0.4-16
% at or below 10 th percentil	e 88%	78%	89%	88%
CELF Understanding Spoken Paragraphs M	9	6	7	11
Sa	D 10	8	6	7
Rang		0.4-25	0.1-16	1-25
% at or below 10 th percentil		89%	78%	75%
CTOPP Nonword Repetition		7	16	24
χ^2 (3, N = 34) = 3.55, p = .31		7	24	32
Rang		1-25	1-63	1-75
% at or below 10 th percentil	e 63%	89%	78%	50%
CTOPP Phonological Memory		6	12	17
χ^2 (3, N = 34) = 1.21, p = .75		6	15	24
Rang		1-21	1-37	1-68
% at or below 10 th percentil		89%	67%	50%
CTOPP Phonological Awareness M		7	7	8
χ^2 (3, N = 34) = 3.19, p = .36		7	7	6
Rang		2-25	1-21	3-14
% at or below 10 th percentil		89%	67%	50%
GFTA M		30	14	31
χ^2 (3, N = 34) = 6.55, p = .09		27	19	20
Rang		10-78	1-59	1-55
% at or below 10 th percentil	e 13%	11%	56%	13%