

Supplemental Material for Storkel, Komesidou, Fleming & Romine

Table S1. *Low versus average vs. high encoding and retention profiles*

Encoding and retention profiles were explored for all 27 children. Table S1 shows the group data for encoding and retention. The group means and standard deviations were used to compute z scores for each child for encoding and retention (i.e., $z = (\text{child score} - M)/SD$). Z scores were then used to classify encoding and retention for each child as: (1) low, based on a z-score at or below -1.00; (2) average, based on a z-score between -1.00 and +1.00; or (3) high, based on a z-score at or above +1.00. Table S1 shows the raw values for low, average, and high encoding and retention profiles as well as the number and percent of children classified as having low, average, or high encoding or retention profiles. In terms of encoding (upper rows of Table S1), low encoding (z-score at or below -1.00) was characterized by 2 to 3 words (out of 30) named correctly at least once during the course of treatment. Five of 27 (19%) children were classified as low encoders. In contrast, average encoding (z-score between -1.00 and +1.00) was characterized by 4 to 12 words (out of 30) named correctly at least once during treatment. Seventeen of 27 (63%) children were classified as average encoders. Finally, high encoding (z-score at or above +1.00) was characterized by 13 to 19 words (out of 30) named correctly at least once during treatment. Five of 27 (19%) children were classified as high encoders.

In terms of retention, one child (4%) out of 27 did not name any words correctly until the last naming test and, consequently, a retention score could not be computed for that child. As shown in the bottom rows Table S1, low retention was characterized by naming only 50-60% of encoded words correctly again at a later test point. Thus, for low retention, remembering and forgetting were relatively equally likely outcomes for a word that was named correctly at least once. Five of 27 (19%) children were classified as low retainers. For average retention, 67% to 90% of encoded words were named correctly again at a later test point. Thus, for average retention, remembering becomes relatively more likely than forgetting. Fourteen of 27 (52%) children were classified as average retainers. High retention was characterized by consistently naming encoded words correctly, specifically 100% of encoded words were named correctly again at a later test point. Thus, for high retention, forgetting never occurs. Seven of 27 (26%) children were classified as high retainers.

Table S1. *Low versus average versus high encoding and retention profiles.*

	Low (at or below -1 SD)¹	Average (within +/- 1 SD)¹	High (at or above +1 SD)¹
	<i>Encoding</i>		
Range of Words Encoded	2-3	4-12	13-19
# of Children	5	17	5
% of Children	19%	63%	19%
	<i>Retention²</i>		
Range of % Words Retained	50-60%	67%-90%	100%
# of Children	5	14	7
% of Children	19%	52%	26%

¹Z-scores were computed using group means and standard deviations to define low versus average versus high profiles. For encoding: $M = 8$, $SD = 5$, range 2-19. For retention: $M = 80\%$, $SD = 17\%$, range 50-100%. ²One child (KAW034) did not answer any items correctly until the last naming point. Thus, retention could not be determined for this child (4% of sample).

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Table S2. *Treatment response, treatment progress, encoding & retention profiles*

Table S2 shows each child's classification in terms of (1) overall treatment response; (2) treatment progress at teach naming test, where (-) corresponds to inadequate progress and (+) corresponds to adequate progress; (3) encoding and retention classification. Table S2 is hyperlinked to Figures S1-S3 so that clicking on the subject number will navigate between Table S2 and the relevant panel in Figures S1-S3.

Table S2. *Treatment response classification based on number of treated words correct at last naming test, treatment progress based on early naming tests, encoding and retention profile based on overall performance.*

Treatment Intensity	Participant Number	# of Treated Words Correct at Last Naming Test	Overall Treatment Response Status ¹	Adequacy of Treatment Progress at Naming Tests 1, 2, 3 ²	Overall Encoding-Retention Profile
36	KAW071	2	No Response	(-) (-) (-)	Avg-Avg
24	KAW048	2	No Response	(-) (-) (-)	Low-Avg
12	KAW025	2	No Response	(+) (-) (-)	Low-High
12	KAW007	2	No Response	(-) (-) (-)	Low-Low
48	KAW046	3	No Response	(+) (-) (-)	Avg-Avg
24	KAW050	3	No Response	(-) (+) (-)	Avg-Low
24	KAW009	3	No Response	(-) (-) (-)	Low-High
48	KAW034	3	No Response	(-) (-) (-)	Low-N/A ³
12	KAW033	4	Average	(+) (+) (-)	Avg-Low
36	KAW092	4	Average	(-) (-) (-)	Avg-Avg
36	KAW035	4	Average	(-) (-) (-)	Avg-High
48	KAW061	4	Average	(-) (-) (-)	Avg-High
36	KAW051	5	Average	(-) (-) (-)	Avg-Avg
48	KAW041	5	Average	(+) (+) (+)	Avg-Avg
36	KAW032	5	Average	(-) (-) (-)	Avg-High
24	KAW023	5	Average	(+) (+) (+)	Avg-Low
24	KAW040	6	Average	(-) (-) (+)	Avg-Avg
48	KAW012	6	Average	(+) (+) (+)	Avg-Avg
12	KAW019	7	Average	(+) (+) (+)	Avg-Avg
12	KAW043	7	Average	(-) (-) (-)	Avg-High
24	KAW018	8	Average	(+) (+) (+)	Avg-Avg
36	KAW022	8	Average	(+) (+) (+)	High-Low
24	KAW070	10	High	(+) (+) (+)	Avg-Avg
48	KAW021	11	High	(+) (+) (+)	High-Avg
24	KAW074	12	High	(+) (+) (+)	High-High
36	KAW015	15	High	(+) (+) (+)	High-Avg
48	KAW069	18	High	(+) (+) (+)	High-Avg

¹Treatment response status: 0-3 words correct at last test is coded as No Response to treatment because this is similar to the number of words correct for untreated control words ($M = 1$, $SD = 1$, range 0-3). 4-8 words correct at last test is coded as an average response because this is outside the response observed for untreated control words but within 1 standard deviation of the mean for treated words ($M = 6$, $SD = 4$, range 2-18). 10-18 words correct at last test is coded as a high response because this is 1 standard deviation (or more) above the mean number of treated words correct. ²Criteria for adequate treatment progress is a score at or above 2 at naming test 1, 3 at naming test 2, 4 at naming test 3. ³KAW034 did not answer any items correctly until the last naming point. Thus, retention could not be computed for this child.

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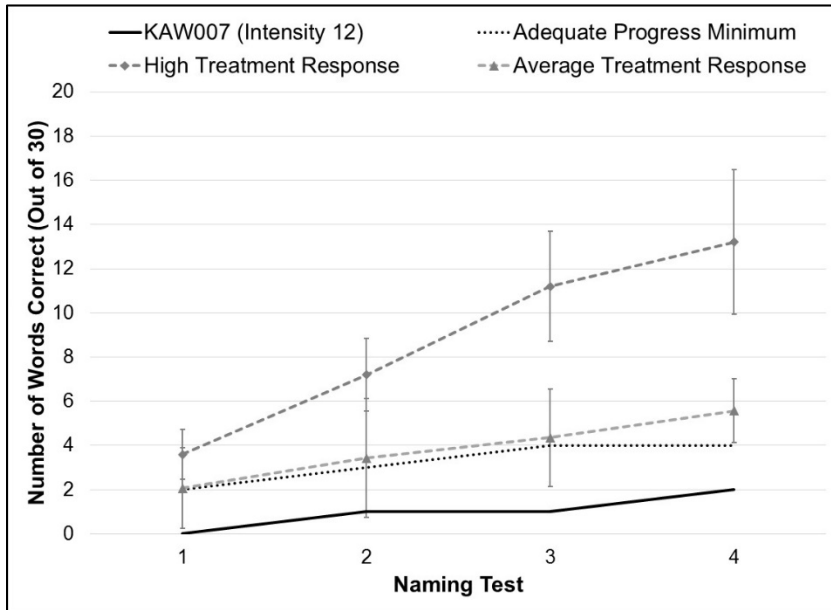
Figure S1. *Encoding & Retention Profiles for Children Classified as No Response to Treatment (n = 8)*

Figure S1-S3 provides detailed naming data for each of the 27 children. Figure S1 focuses on the children who showed no response to treatment (n = 8). Figure S2 focuses on the children who showed an average response to treatment (n = 14). Figure S3 focuses on the children who showed a high response to treatment (n = 5). Figures S1-S3 are hyperlinked to Table S2 so that clicking on the subject number will navigate between the relevant panel in Figures S1-S3 and Table S2.

Each panel notes the child's participant number, randomly assigned intensity condition, overall treatment response classification (no vs. average vs. high), overall encoding profile (low vs. average vs. high), and overall retention profile (low vs. average vs. high). The left-side graph shows the number of treated words correctly named by the child (solid black line) in comparison to minimum adequate progress (short dashed line), average responders (long-dashed line, triangles) and high responders (long-dashed line, diamonds). The right-side table shows the treated words that the child named correctly at least one time. The child's score for each word (0 = incorrect, 1 = correct) is shown for each of the four naming tests that occurred throughout treatment. The bottom rows summarize the data for each naming test in terms of the number of words named correctly for the first time (i.e., newly encoded), the number and percent of words named correctly for a second (or more) time (i.e., retained), the total number of words correct at that test, and the classification of the total number of words correct as meeting the criteria for adequate treatment progress.

Figure S1. *Encoding and Retention Profiles for Children Classified as No Response to Treatment (n = 8)*

[KAW007](#) (Intensity 12): No Response to Treatment (2 words correct at last test); Low Encoding (3 words ever correct); Low Retention



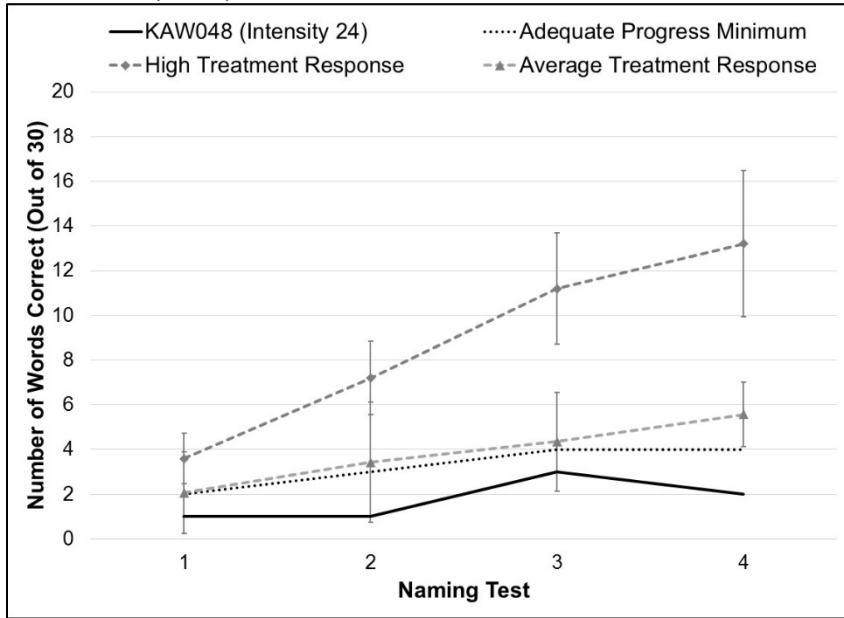
KAW007 Treated Words	Test 1 (3)	Test 2 (6)	Test 3 (9)	Test 4 (12)
swung	0	1	0	1
grumbling	0	0	1	0
hooves	0	0	0	1
Newly Learned	0	1	1	1
Retained		0 of 0	0 of 1	1 of 2
% Retained		N/A	0%	50%
Total Correct	0	1	1	2
Adequate Progress?	No	No	No	No

(50%)

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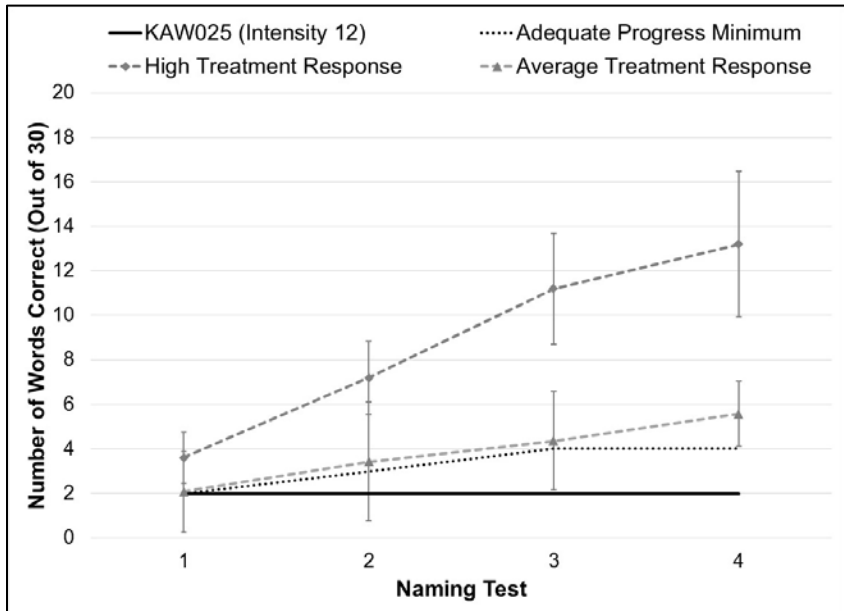
Figure S1. *Encoding & Retention Profiles for Children Classified as No Response to Treatment (n = 8)*

KAW048 (Intensity 24): No Response to Treatment (2 words correct at last test); Low Encoding (3 words ever correct); Average Retention (67%)



KAW048 Treated Words	Test 1 (4)	Test 2 (12)	Test 3 (20)	Test 4 (24)
invisible	1	0	1	1
flashing	0	1	1	1
smooth	0	0	1	0
Newly Learned	1	1	1	0
Retained		0 of 1	2 of 2	2 of 3
% Retained		0%	100%	67%
Total Correct	1	1	3	2
Adequate Progress?	No	No	No	No

KAW025 (Intensity 12): No Response to Treatment (2 words correct at last test); Low Encoding (2 words ever correct); High Retention (100%)

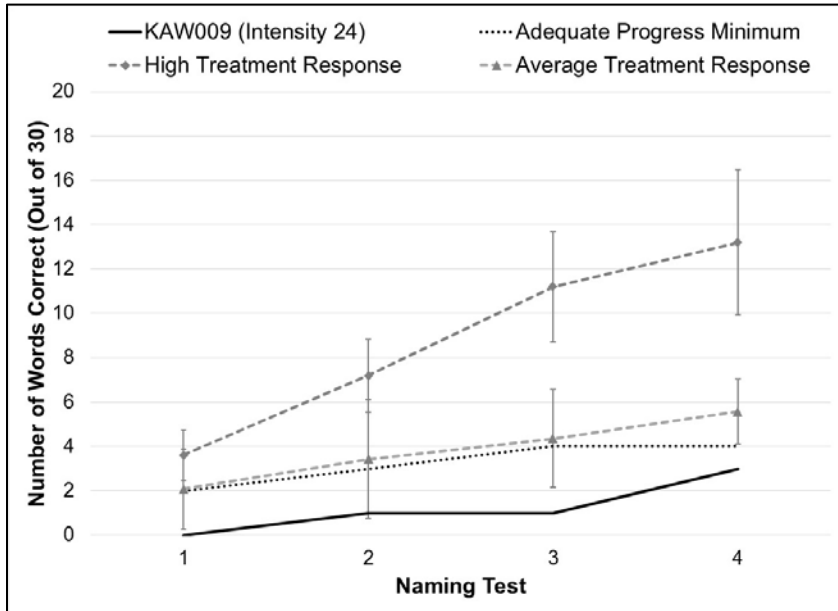


KAW025 Treated Words	Test 1 (3)	Test 2 (6)	Test 3 (9)	Test 4 (12)
sidelines	1	1	1	1
swung	1	1	1	1
Newly Learned	2	0	0	0
Retained		2 of 2	2 of 2	2 of 2
% Retained		100%	100%	100%
Total Correct	2	2	2	2
Adequate Progress?	Yes	No	No	No

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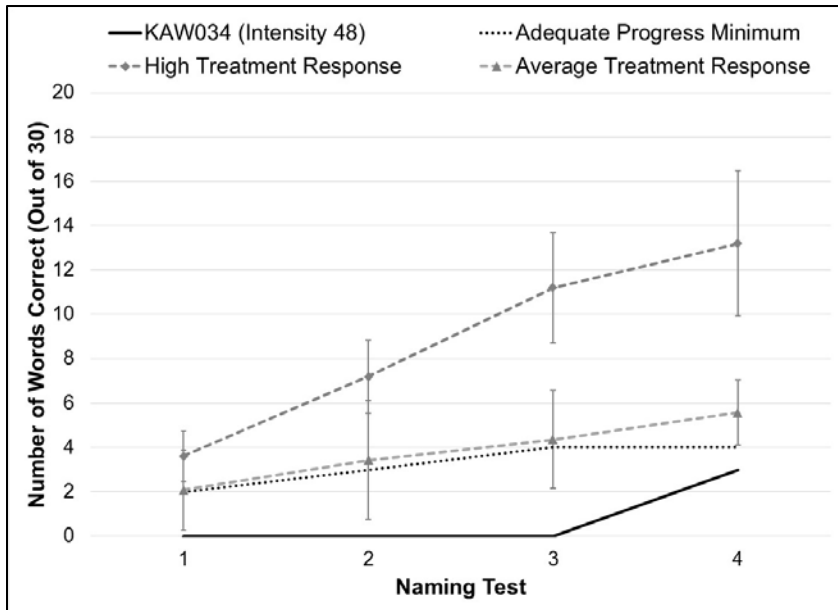
Figure S1. *Encoding & Retention Profiles for Children Classified as No Response to Treatment (n = 8)*

KAW009 (Intensity 24): No Response to Treatment (3 words correct at last test); Low Encoding (3 words ever correct); High Retention (100%)



KAW009 Treated Words	Test 1 (4)	Test 2 (12)	Test 3 (20)	Test 4 (24)
awful	0	1	1	1
gathered	0	0	0	1
haddock	0	0	0	1
Newly Learned	0	1	0	2
Retained		0 of 0	1 of 1	1 of 1
% Retained		N/A	100%	100%
Total Correct	0	1	1	3
Adequate Progress?	No	No	No	No

KAW034 (Intensity 48): No Response to Treatment (3 words correct at last test); Low Encoding (3 words correct ever); N/A Retention (no opportunity to observe)

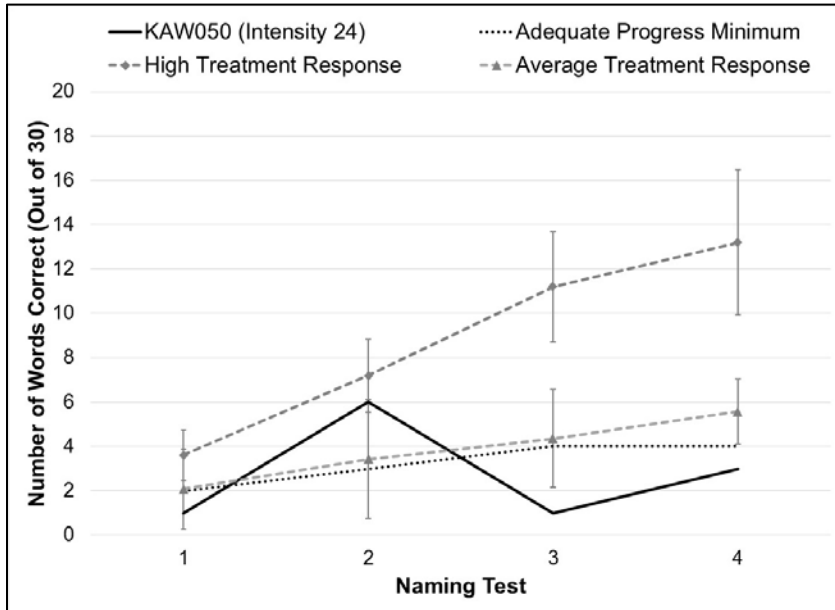


KAW034 Treated Words	Test 1 (12)	Test 2 (24)	Test 3 (36)	Test 4 (48)
flashing	0	0	0	1
gulp	0	0	0	1
swaying	0	0	0	1
Newly Learned	0	0	0	3
Retained		0 of 0	0 of 0	0 of 0
% Retained		N/A	N/A	N/A
Total Correct	0	0	0	3
Adequate Progress?	No	No	No	No

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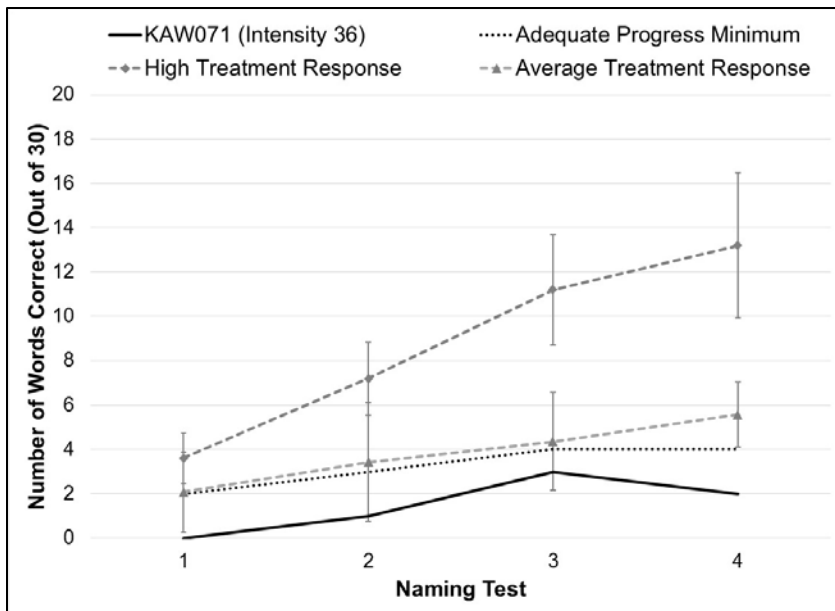
Figure S1. *Encoding & Retention Profiles for Children Classified as No Response to Treatment (n = 8)*

KAW050 (Intensity 24): No Response to Treatment (3 words correct at last test); Average Encoding (6 words ever correct); Low Retention (50%)



KAW050 Treated Words	Test 1 (4)	Test 2 (12)	Test 3 (20)	Test 4 (24)
flashing	1	1	1	1
awful	0	1	0	0
crept	0	1	0	0
snuggled	0	1	0	1
squawked	0	1	0	1
tight	0	1	0	0
Newly Learned	1	5	0	0
Retained		1 of 1	1 of 6	3 of 6
% Retained		100%	17%	50%
Total Correct	1	6	1	3
Adequate Progress?	No	Yes	No	No

KAW071 (Intensity 36): No Response to Treatment (2 words correct at last test); Average Encoding (4 words ever correct); Average Retention (67%)

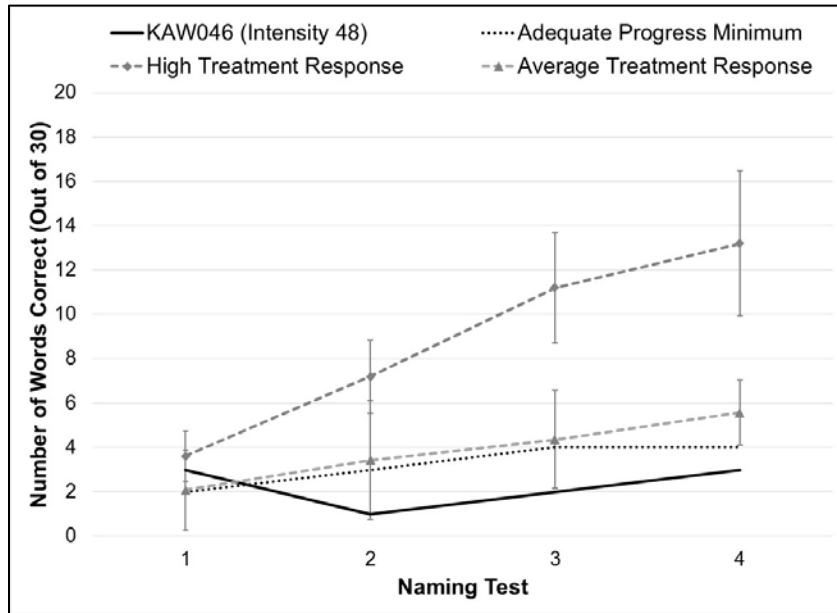


KAW071 Treated Words	Test 1 (6)	Test 2 (12)	Test 3 (24)	Test 4 (36)
tight	0	1	1	0
pouted	0	0	1	0
swaying	0	0	1	1
snuggled	0	0	0	1
Newly Learned	0	1	2	1
Retained		0 of 0	1 of 1	1 of 3
% Retained		N/A	100%	33%
Total Correct	0	1	3	2
Adequate Progress?	No	No	No	No

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Figure S1. *Encoding & Retention Profiles for Children Classified as No Response to Treatment (n = 8)*

KAW046 (Intensity 48): No Response to Treatment (3 words correct at last test); Average Encoding (4 words ever correct); Average Retention (67%)

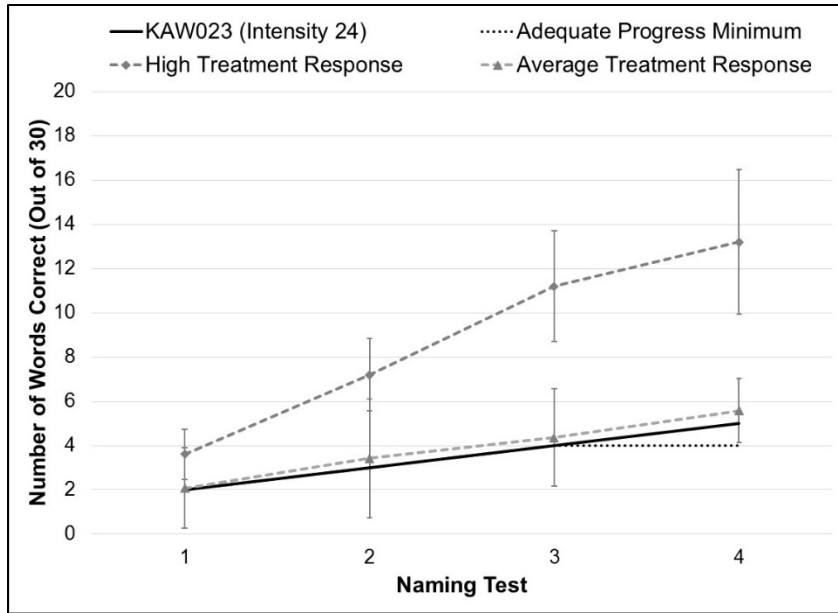


KAW046 Treated Words	Test 1 (12)	Test 2 (24)	Test 3 (36)	Test 4 (48)
flashing	1	1	1	1
invisible	1	0	0	0
squawked	1	0	1	1
crept	0	0	0	1
Newly Learned	3	0	0	1
Retained		1 of 3	2 of 3	2 of 3
% Retained		33%	67%	67%
Total Correct	3	1	2	3
Adequate Progress?	Yes	No	No	No

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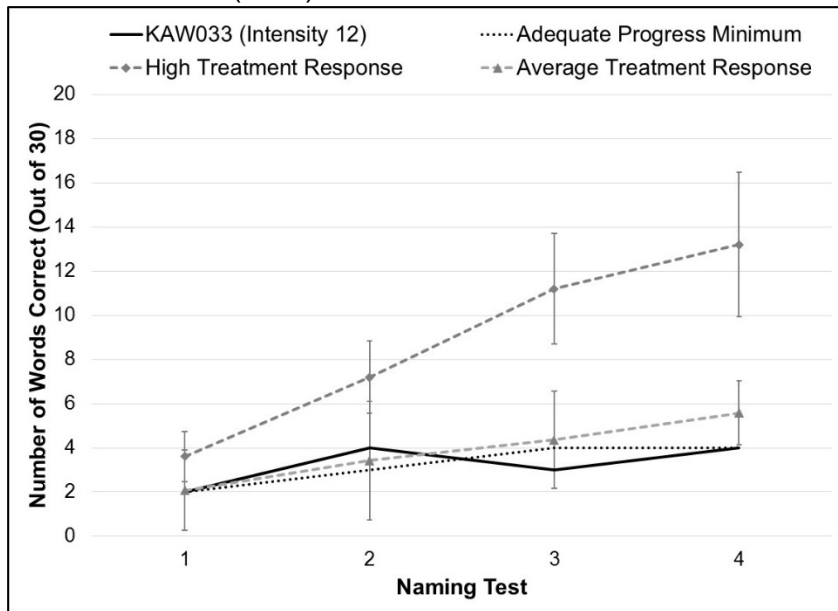
Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

KAW023 (Intensity 24): Average Response to Treatment (5 words correct at last naming); Average Encoding (9 words ever correct); Low Retention (50%)



KAW023 Treated Words	Test 1 (4)	Test 2 (12)	Test 3 (20)	Test 4 (24)
embarrassed	1	0	0	0
swung	1	1	1	1
glared	0	1	0	0
silky	0	1	1	0
grumbling	0	0	1	1
nervous	0	0	1	0
hooves	0	0	0	1
marsh	0	0	0	1
racket	0	0	0	1
Newly Learned	2	2	2	3
Retained		1 of 2	2 of 4	2 of 6
% Retained		50%	50%	33%
Total Correct	2	3	4	5
Adequate Progress?	Yes	Yes	Yes	Yes

KAW033 (Intensity 12): Average Response to Treatment (4 words correct at last naming); Average Encoding (6 words ever correct); Low Retention (60%)

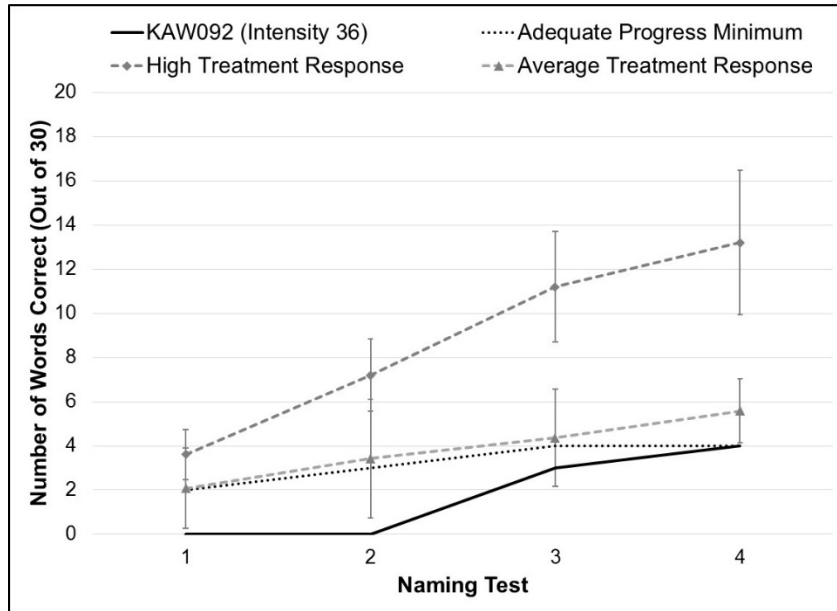


KAW033 Treated Words	Test 1 (3)	Test 2 (6)	Test 3 (9)	Test 4 (12)
squawked	1	1	1	1
tight	1	0	1	1
horrified	0	1	0	0
invisible	0	1	0	0
snuggled	0	1	1	1
awful	0	0	0	1
Newly Learned	2	3	0	1
Retained		1 of 2	3 of 5	3 of 5
% Retained		50%	60%	60%
Total Correct	2	4	3	4
Adequate Progress?	Yes	Yes	No	Yes

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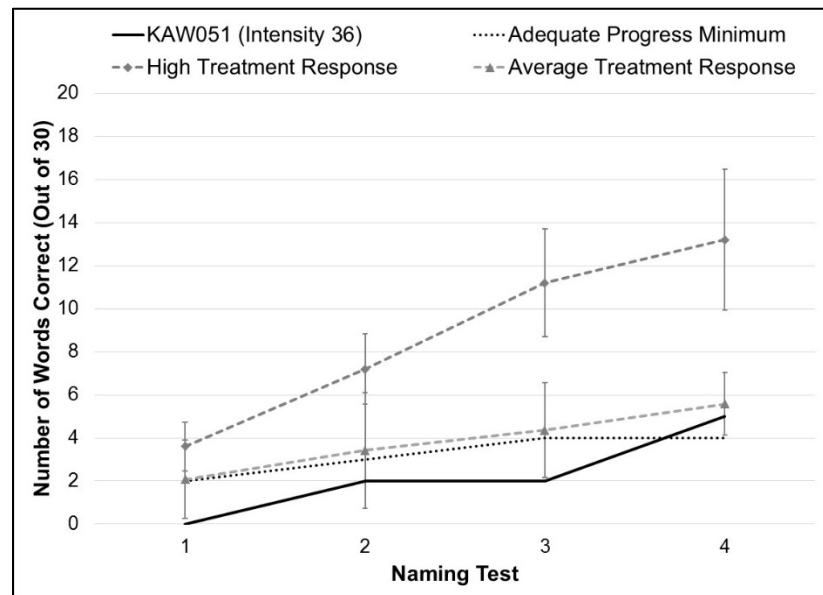
Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

KAW092 (Intensity 36): Average Response to Treatment (4 words correct at last naming); Average Encoding (5 words ever correct); Average Retention (67%)



KAW092 Treated Words	Test 1 (6)	Test 2 (12)	Test 3 (24)	Test 4 (36)
grumbling	0	0	1	0
swat	0	0	1	1
swung	0	0	1	1
hooves	0	0	0	1
silky	0	0	0	1
Newly Learned	0	0	3	2
Retained		0 of 0	0 of 0	2 of 3
% Retained		N/A	N/A	67%
Total Correct	0	0	3	4
Adequate Progress?	No	No	No	Yes

KAW051 (Intensity 36): Average Response to Treatment (5 words correct at last test); Average Encoding (6 words ever correct); Average Retention (75%)

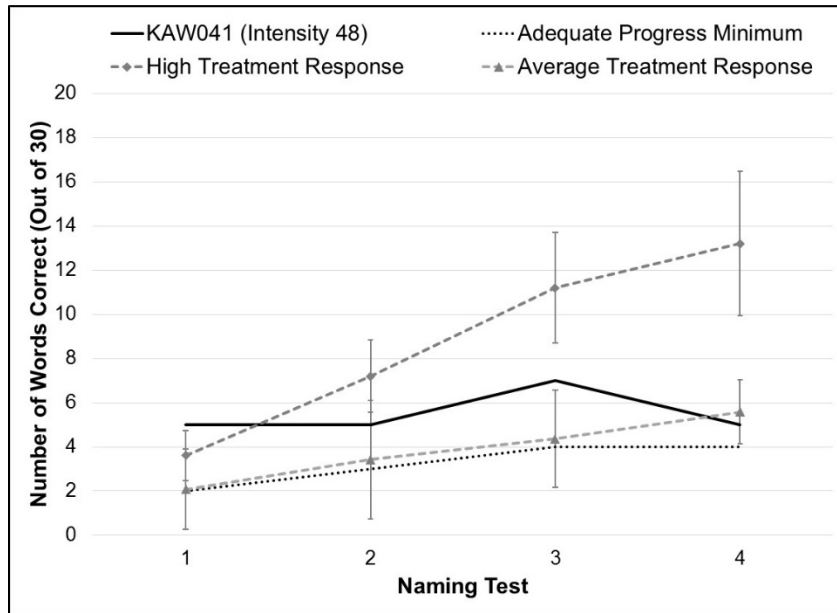


KAW051 Treated Words	Test 1 (6)	Test 2 (12)	Test 3 (24)	Test 4 (36)
gloomy	0	1	0	1
swung	0	1	0	1
grumbling	0	0	1	0
spotless	0	0	1	1
furnace	0	0	0	1
hooves	0	0	0	1
Newly Learned	0	2	2	2
Retained		0 of 0	0 of 2	3 of 4
% Retained		N/A	0%	75%
Total Correct	0	2	2	5
Adequate Progress?	No	No	No	Yes

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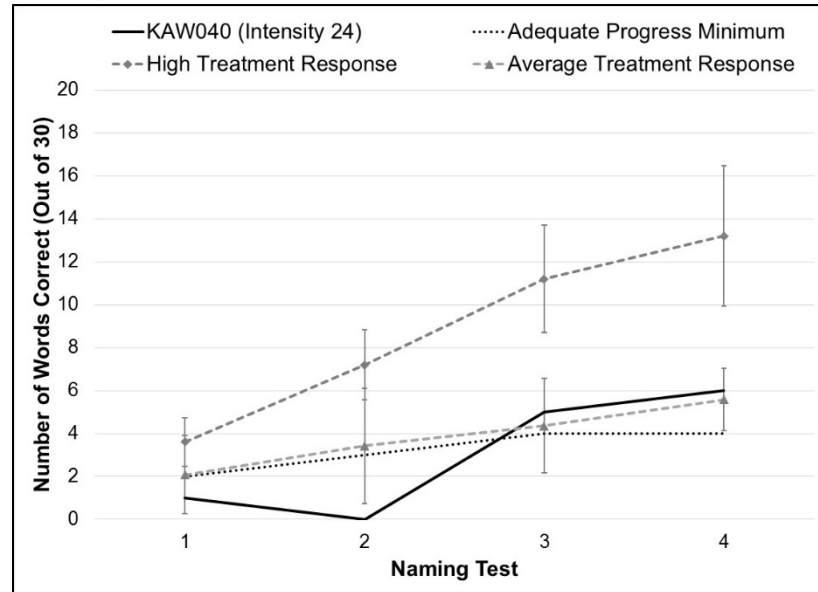
Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

KAW041 (Intensity 48): Average Response to Treatment (5 words correct at last test); Average Encoding (8 words ever correct); Average Retention (88%)



KAW041 Treated Words	Test 1 (12)	Test 2 (24)	Test 3 (36)	Test 4 (48)
furnace	1	1	0	1
gloomy	1	0	1	0
racket	1	1	1	1
scarlet	1	1	1	1
swung	1	0	1	0
hooves	0	1	1	1
sidelines	0	1	1	1
grumbling	0	0	1	0
Newly Learned	5	2	1	0
Retained		3 of 5	6 of 7	5 of 8
% Retained		60%	86%	63%
Total Correct	5	5	7	5
Adequate Progress?	Yes	Yes	Yes	Yes

KAW040 (Intensity 24): Average Response to Treatment (6 words correct at last test); Average Encoding (7 words ever correct); Average Retention (80%)

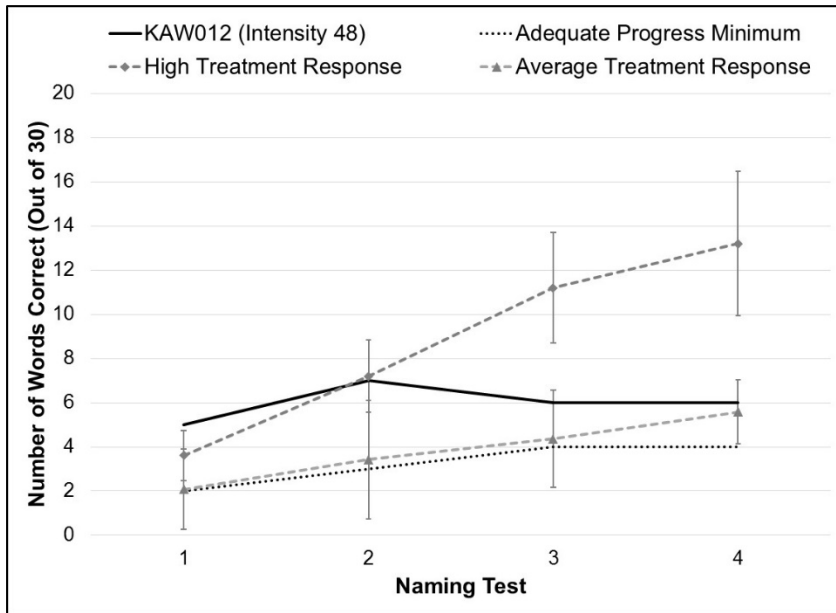


KAW040 Treated Words	Test 1 (4)	Test 2 (12)	Test 3 (20)	Test 4 (24)
swung	1	0	1	1
gloomy	0	0	1	1
hooves	0	0	1	1
nervous	0	0	1	0
scarlet	0	0	1	1
damp	0	0	0	1
overjoyed	0	0	0	1
Newly Learned	1	0	4	2
Retained		0 of 1	1 of 1	4 of 5
% Retained		0%	100%	80%
Total Correct	1	0	5	6
Adequate Progress?	No	No	Yes	Yes

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Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

[KAW012](#) (Intensity 48): Average Response to Treatment (6 words correct at last naming); Average Encoding (11 words ever correct); Average Retention (73%)

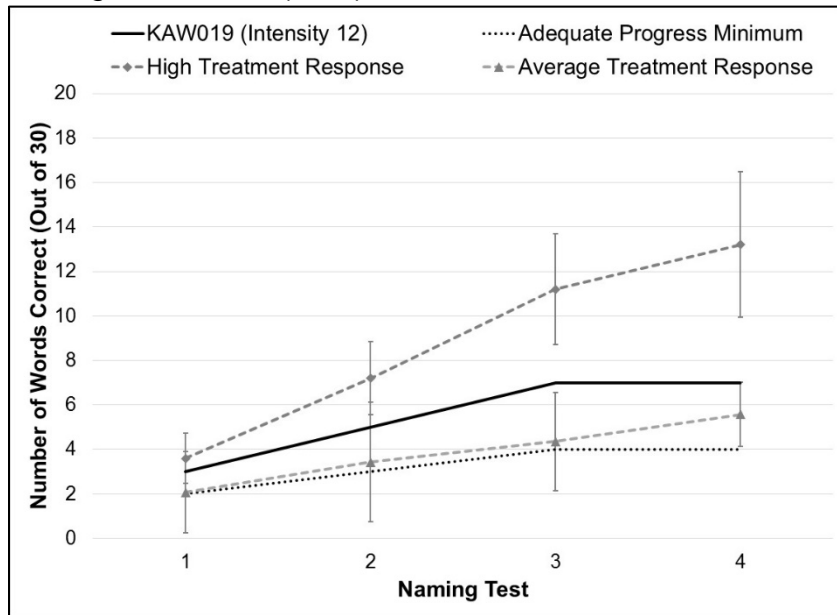


KAW012 Treated Words	Test 1 (12)	Test 2 (24)	Test 3 (36)	Test 4 (48)
flashing	1	1	0	1
gathered	1	1	0	0
invisible	1	0	0	0
pouted	1	1	1	1
snuggled	1	1	0	1
gulp	0	1	1	0
squawked	0	1	0	1
tailor	0	1	1	1
crept	0	0	1	0
smooth	0	0	1	0
worn	0	0	1	1
Newly Learned	5	3	3	0
Retained		4 of 5	3 of 8	6 of 11
% Retained		80%	38%	55%
Total Correct	5	7	6	6
Adequate Progress?	Yes	Yes	Yes	Yes

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Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

KAW019 (Intensity 12): Average Response to Treatment (7 words correct at last test); Average Encoding (8 words ever correct); Average Retention (86%)

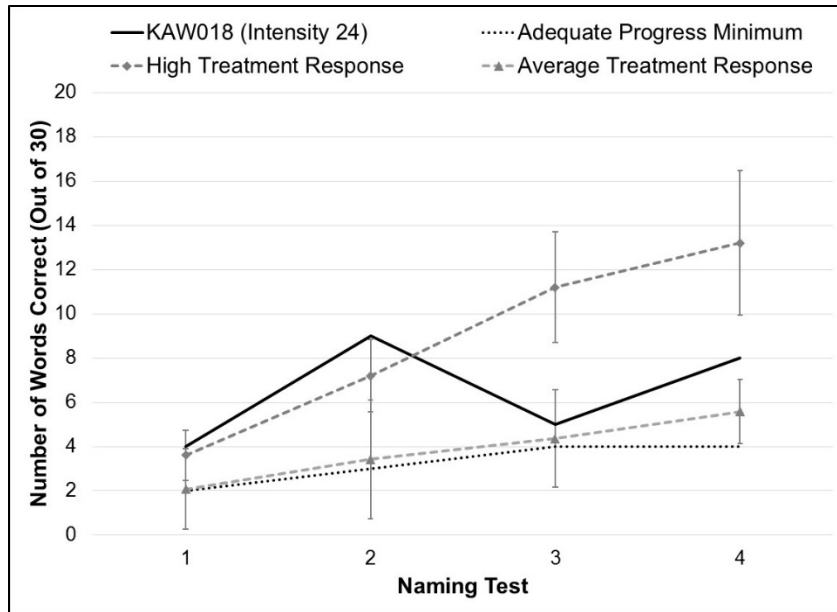


KAW019 Treated Words	Test 1 (3)	Test 2 (6)	Test 3 (9)	Test 4 (12)
pouted	1	1	1	1
snuggled	1	1	1	1
tight	1	1	1	1
flashing	0	1	1	1
invisible	0	1	1	1
squawked	0	0	1	0
taylor	0	0	1	1
marvel	0	0	0	1
Newly Learned	3	2	2	1
Retained		3 of 3	5 of 5	6 of 7
% Retained		100%	100%	86%
Total Correct	3	5	7	7
Adequate Progress?	Yes	Yes	Yes	Yes

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Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

KAW018 (Intensity 24): Average Response to Treatment (8 words correct at last test); Average Encoding (12 words ever correct); Average Retention (73%)

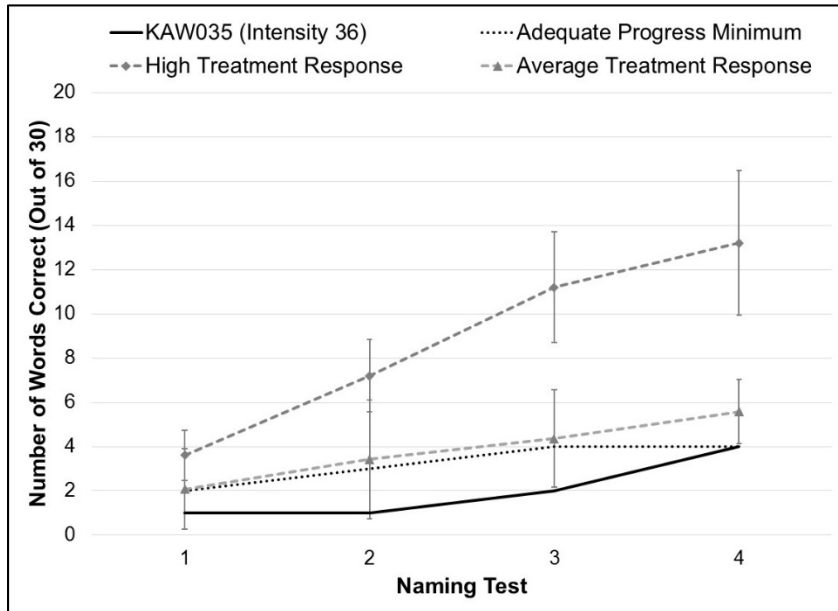


KAW018 Treated Words	Test 1 (4)	Test 2 (12)	Test 3 (20)	Test 4 (24)
invisible	1	1	0	1
pouted	1	1	1	0
snuggled	1	1	1	1
squawked	1	1	0	1
flashing	0	1	1	1
haddock	0	1	0	1
smooth	0	1	0	1
tailor	0	1	0	1
worn	0	1	0	0
crept	0	0	1	0
gulp	0	0	1	0
tight	0	0	0	1
Newly Learned	4	5	2	1
Retained		4 of 4	3 of 9	7 of 11
% Retained		100%	33%	64%
Total Correct	4	9	5	8
Adequate Progress?	Yes	Yes	Yes	Yes

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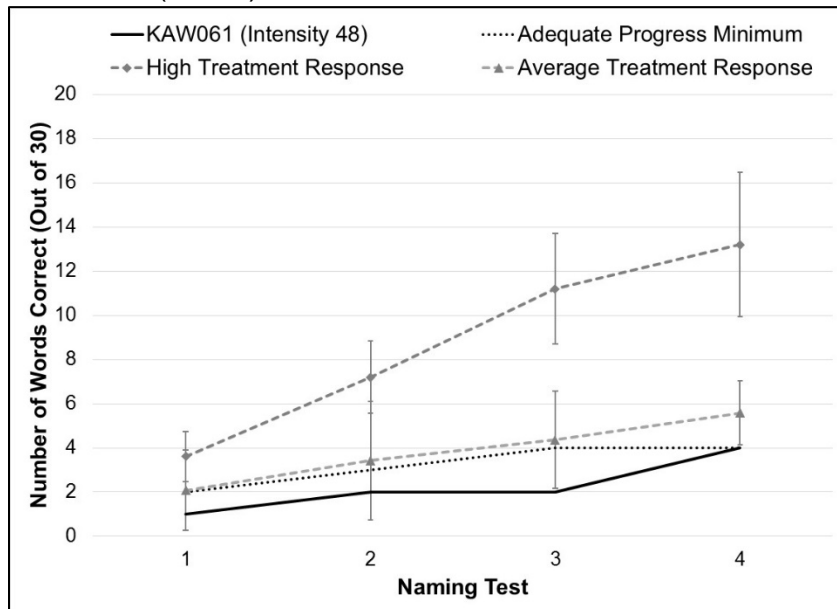
Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

KAW035 (Intensity 36): Average Response to Treatment (4 words correct at last test); Average Encoding (4 words ever correct); High Retention (100%)



KAW035 Treated Words	Test 1 (6)	Test 2 (12)	Test 3 (24)	Test 4 (36)
invisible	1	1	1	1
snuggled	0	0	1	1
smooth	0	0	0	1
tight	0	0	0	1
Newly Learned	1	0	1	2
Retained		1 of 1	1 of 1	2 of 2
% Retained		100%	100%	100%
Total Correct	1	1	2	4
Adequate Progress?	No	No	No	Yes

KAW061 (Intensity 48): Average Response to Treatment (4 words correct at last test); Average Encoding (4 words ever correct); High Retention (100%)

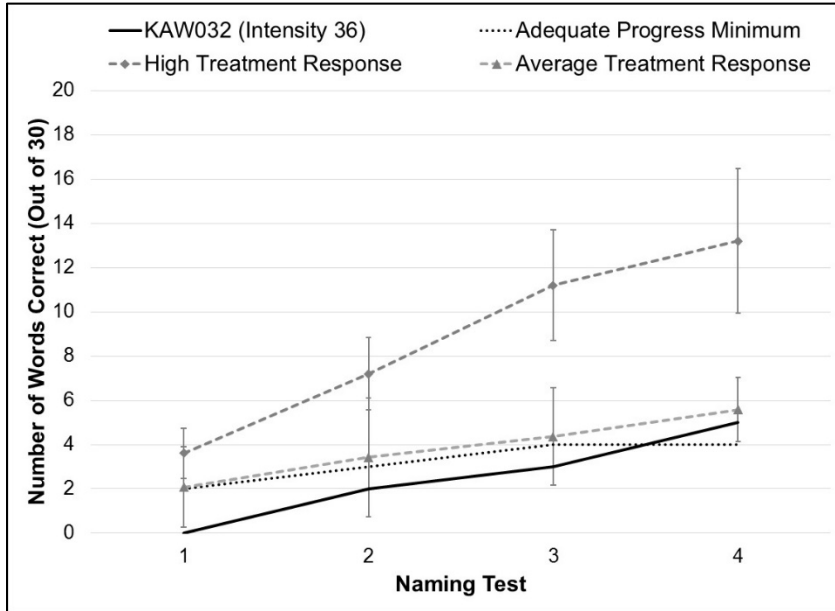


KAW061 Treated Words	Test 1 (12)	Test 2 (24)	Test 3 (36)	Test 4 (48)
swung	1	1	1	1
hooves	0	1	0	1
sidelines	0	0	1	1
furnace	0	0	0	1
Newly Learned	1	1	1	1
Retained		1 of 1	1 of 2	3 of 3
% Retained		100%	50%	100%
Total Correct	1	2	2	4
Adequate Progress?	No	No	No	Yes

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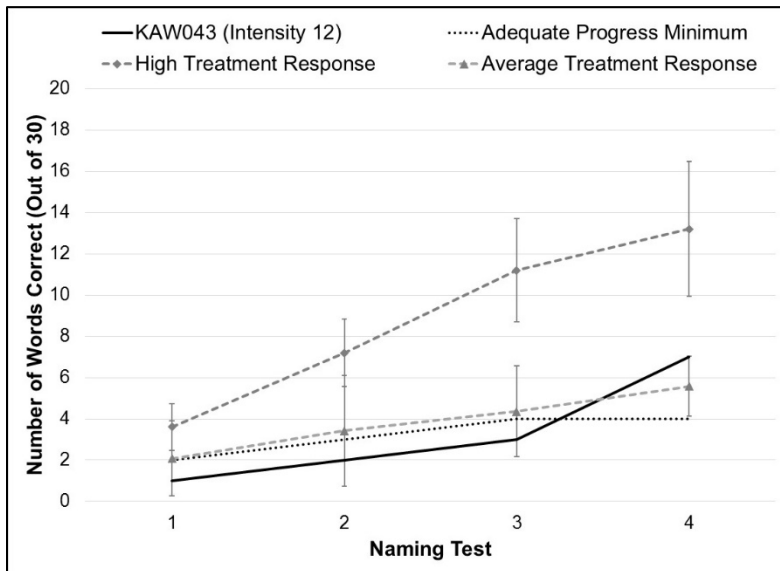
Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

KAW032 (Intensity 36): Average Response to Treatment (5 words correct at last test); Average Encoding (5 words ever correct); High Retention (100%)



KAW032 Treated Words	Test 1 (6)	Test 2 (12)	Test 3 (24)	Test 4 (36)
hooves	0	1	1	1
sidelines	0	1	0	1
furnace	0	0	1	1
swung	0	0	1	1
racket	0	0	0	1
Newly Learned	0	2	2	1
Retained		0 of 0	1 of 2	4 of 4
% Retained		N/A	50%	100%
Total Correct	0	2	3	5
Adequate Progress?	No	No	No	Yes

KAW043 (Intensity 12): Average Response to Treatment (7 words correct at last test); Average Encoding (7 words ever correct); High Retention (100%)

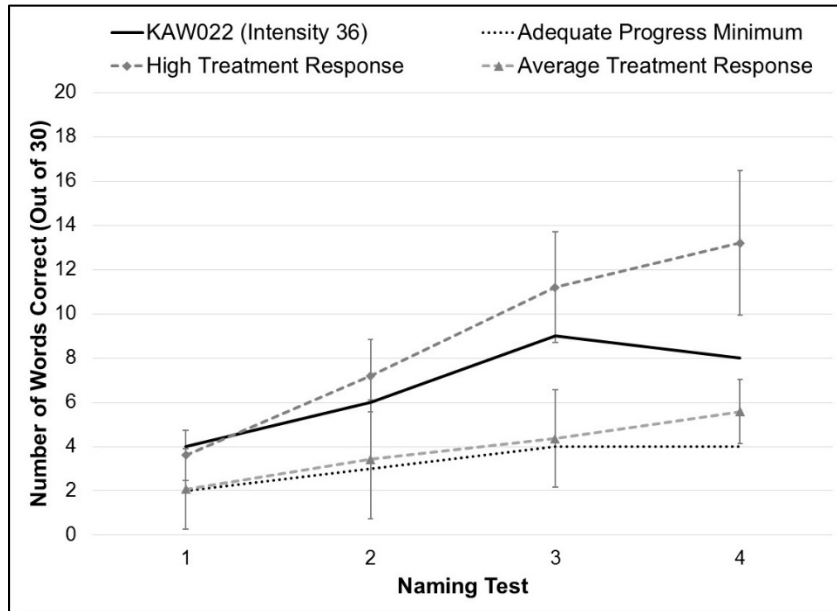


KAW043 Treated Words	Test 1 (3)	Test 2 (6)	Test 3 (9)	Test 4 (12)
swung	1	1	1	1
grumbling	0	1	1	1
hooves	0	0	1	1
damp	0	0	0	1
sidelines	0	0	0	1
silky	0	0	0	1
spotless	0	0	0	1
Newly Learned	1	1	1	4
Retained		1 of 1	2 of 2	3 of 3
% Retained		100%	100%	100%
Total Correct	1	2	3	7
Adequate Progress?	No	No	No	Yes

Supplemental Material for Storkel, Komesidou, Fleming & Romine

Figure S2. *Encoding & Retention Profiles for Children Classified as Average Response to Treatment (n = 14)*

[KAW022](#) (Intensity 36): Average Response to Treatment (8 words correct at last test); High Encoding (15 words ever correct); Low Retention (50%)

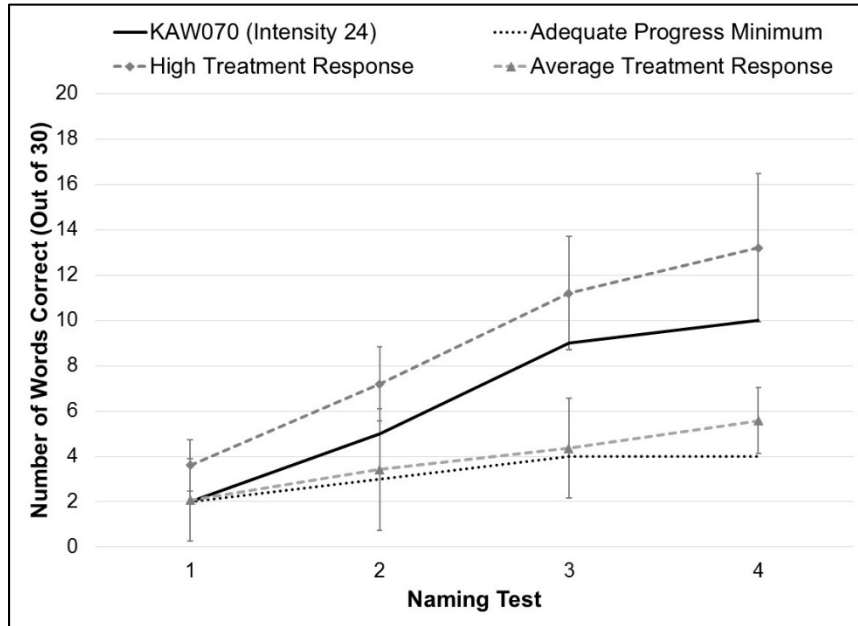


KAW022 Treated Words	Test 1 (6)	Test 2 (12)	Test 3 (24)	Test 4 (36)
flashing	1	0	0	0
invisible	1	1	1	1
snuggled	1	1	1	1
tight	1	1	1	1
gathered	0	1	0	0
horrified	0	1	0	1
squawked	0	1	1	0
awful	0	0	1	0
gulp	0	0	1	0
heaved	0	0	1	0
marvel	0	0	1	1
swaying	0	0	1	0
haddock	0	0	0	1
swift	0	0	0	1
worn	0	0	0	1
Newly Learned	4	3	5	3
Retained		3 of 4	4 of 7	5 of 12
% Retained		75%	57%	42%
Total Correct	4	6	9	8
Adequate Progress?	Yes	Yes	Yes	Yes

Supplemental Material for Storkel, Komesidou, Fleming & Romine

Figure S3. *Encoding & Retention Profiles for Children Classified as High Response to Treatment (n = 5)*

KAW070 (Intensity 24): High Response to Treatment (10 words correct at last naming); Average Encoding (12 words ever correct); Average Retention (90%)

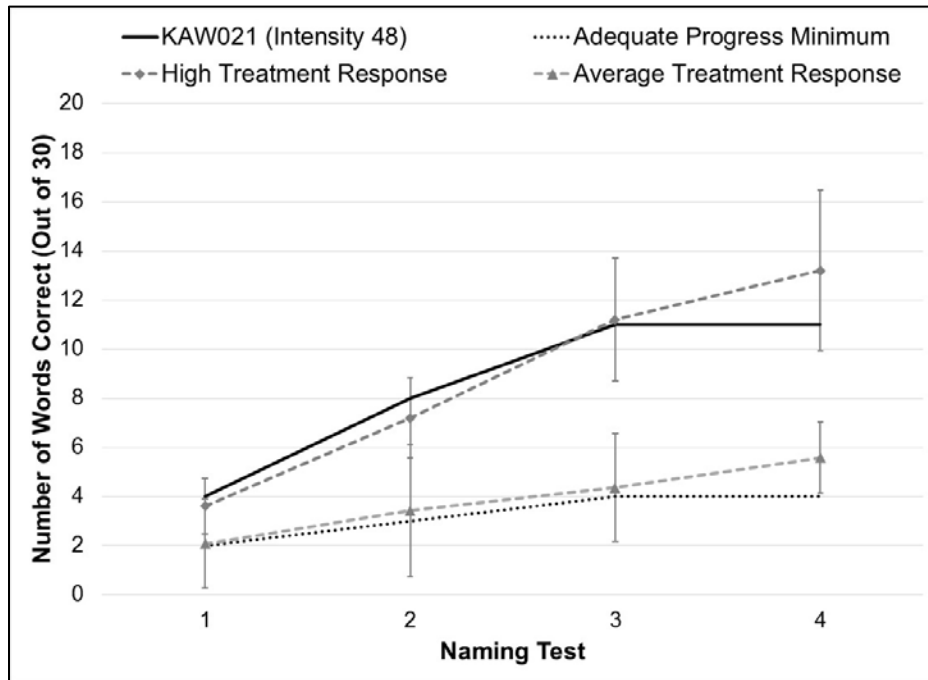


KAW070 Treated Words	Test 1 (4)	Test 2 (12)	Test 3 (20)	Test 4 (24)
gloomy	1	1	1	1
swung	1	1	0	0
glared	0	1	1	1
scarlet	0	1	1	1
spotless	0	1	1	1
furnace	0	0	1	1
marsh	0	0	1	1
ripe	0	0	1	1
sidelines	0	0	1	1
hooves	0	0	1	0
clamor	0	0	0	1
overjoyed	0	0	0	1
Newly Learned	2	3	5	2
Retained		2 of 2	4 of 5	8 of 10
% Retained		100%	80%	80%
Total Correct	2	5	9	10
Adequate Progress?	Yes	Yes	Yes	Yes

Supplemental Material for Storkel, Komesidou, Fleming & Romine

Figure S3. *Encoding & Retention Profiles for Children Classified as High Response to Treatment (n = 5)*

[KAW021](#) (Intensity 48): High Response to Treatment (11 words correct at last test); High Encoding (14 words ever correct); Average Retention (83%)

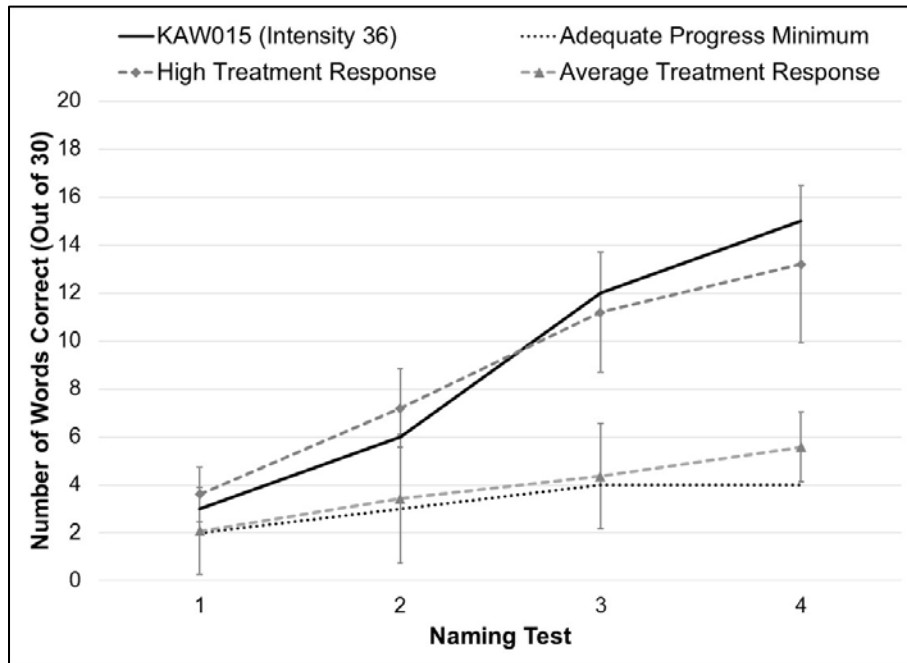


KAW021 Treated Words	Test 1 (12)	Test 2 (24)	Test 3 (36)	Test 4 (48)
furnace	1	1	1	1
grumbling	1	1	1	1
nervous	1	0	1	0
swung	1	1	1	1
advice	0	1	1	1
glared	0	1	0	0
gloomy	0	1	1	1
overjoyed	0	1	1	1
racket	0	1	1	1
hooves	0	0	1	1
spotless	0	0	1	0
wandered	0	0	1	1
marsh	0	0	0	1
rare	0	0	0	1
Newly Learned	4	5	3	2
Retained		3 of 4	8 of 9	9 of 12
% Retained		75%	89%	75%
Total Correct	4	8	11	11
Adequate Progress?	Yes	Yes	Yes	Yes

Supplemental Material for Storkel, Komesidou, Fleming & Romine

Figure S3. *Encoding & Retention Profiles for Children Classified as High Response to Treatment (n = 5)*

KAW015 (Intensity 36): High Response to Treatment (15 words correct at last test); High Encoding (18 words ever correct); Average Retention (79%)

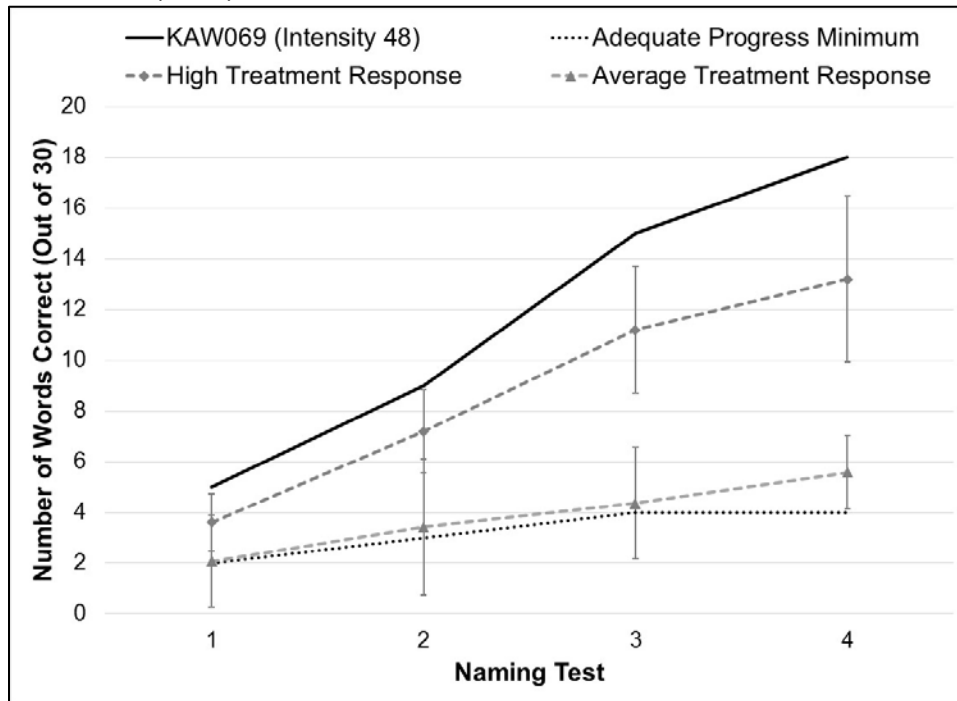


KAW015 Treated Words	Test 1 (6)	Test 2 (12)	Test 3 (24)	Test 4 (36)
embarrassed	1	1	0	1
nervous	1	0	1	1
swung	1	1	1	1
hauled	0	1	1	1
hooves	0	1	1	1
racket	0	1	1	1
silky	0	1	0	0
furnace	0	0	1	1
grumbling	0	0	1	1
overjoyed	0	0	1	1
prodded	0	0	1	0
scarlet	0	0	1	0
sidelines	0	0	1	1
swat	0	0	1	1
damp	0	0	0	1
discovered	0	0	0	1
glared	0	0	0	1
squinting	0	0	0	1
Newly Learned	3	4	7	4
Retained		2 of 3	5 of 7	11 of 14
% Retained		67%	71%	79%
Total Correct	3	6	12	15
Adequate Progress?	Yes	Yes	Yes	Yes

Supplemental Material for Storkel, Komesidou, Fleming & Romine

Figure S3. *Encoding & Retention Profiles for Children Classified as High Response to Treatment (n = 5)*

[KAW069](#) (Intensity 48): High Response to Treatment (18 words correct at last test); High Encoding (19 words ever correct); Average Retention (94%)

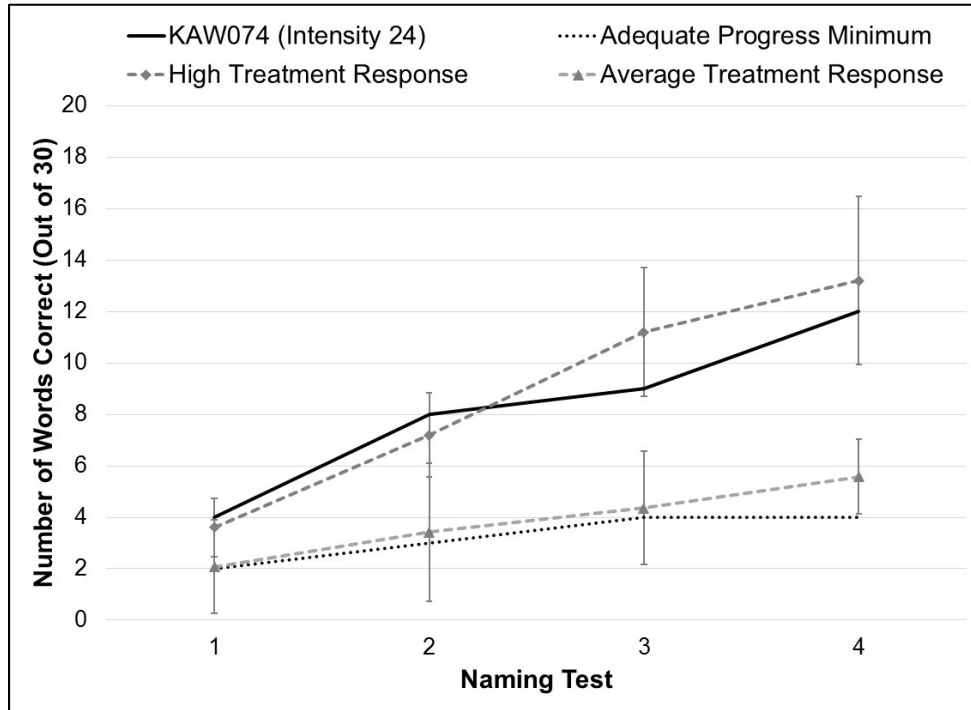


KAW069Treated Words	Test 1 (12)	Test 2 (24)	Test 3 (36)	Test 4 (48)
flashing	1	1	1	1
horrified	1	1	1	1
snuggled	1	0	1	1
stale	1	1	1	1
tight	1	1	1	1
crept	0	1	1	1
decided	0	1	0	0
gathered	0	1	1	1
gulp	0	1	1	1
heaved	0	1	1	1
gaze	0	0	1	1
haddock	0	0	1	1
invisible	0	0	1	1
ripples	0	0	1	1
swaying	0	0	1	1
worn	0	0	1	1
marvel	0	0	0	1
pouted	0	0	0	1
ruffle	0	0	0	1
Newly Learned	5	5	6	3
Retained		4 of 5	9 of 10	15 of 16
% Retained		80%	90%	94%
Total Correct	5	9	15	18
Adequate Progress?	Yes	Yes	Yes	Yes

Supplemental Material for Storkel, Komesidou, Fleming & Romine

Figure S3. *Encoding & Retention Profiles for Children Classified as High Response to Treatment (n = 5)*

KAW074 (Intensity 24): High Response to Treatment (12 words correct at last test); High Encoding (13 words ever correct); High Retention (100%)



KAW074 Treated Words	Test 1 (4)	Test 2 (12)	Test 3 (20)	Test 4 (24)
gathered	1	0	1	0
invisible	1	1	1	1
snuggled	1	1	1	1
stale	1	1	1	1
flashing	0	1	1	1
gulp	0	1	1	1
pouted	0	1	1	1
swaying	0	1	0	1
worn	0	1	1	1
crept	0	0	1	1
horrified	0	0	0	1
midday	0	0	0	1
smooth	0	0	0	1
Newly Learned	4	5	1	3
Retained		3 of 4	8 of 9	9 of 10
% Retained		75%	89%	90%
Total Correct	4	8	9	12
Adequate Progress?	Yes	Yes	Yes	Yes