



Detailed Analysis Report

Provides an in-depth evaluation of John Sierra's speech and language skills, including a comparison to normative data, trends line graphs, and net changes, with an analysis of each utterance.

Language Sample Summary

Mean Length of Utterance (MLU): 601 Morphemes / 100 Int Utterances = 6.01 MLU	6.01
Mean Length of Utterance In Words (MLU-w): 535 Words / 100 Int Utterances = 5.35 MLU-w	5.35
Type-Token Ratio (TTR): 269 Types / 517 Tokens = 0.5203 Types/Token	52.03%
Intelligibility (W x W): 535 Int Words / 535 Words = 1 Int Words/Word	100%
Intelligibility (U x U): 100 Int Utterances / 100 Utterances = 1 Int Utt/Utt	100%
Dysfluency Rate: 18 Dysfluencies / 535 Int Words = 0.0336 Dysfluencies/Int Utterance	3.36%

Words

a(19), airplane, almost(2), and, animals, apple, are(3), as, at(3), ate, away, baby, baby's, backpack, ball(3), balloon, barking, be, bear, beautiful, bedtime, bell, best, big, biggest, bike, bird, birthday, bit(2), blocks, blue, book, borrowed, bottle, bouncy, brother(2), build, but, butter, cake, can(8), can't(2), candy, car(2), cat(2), cheese, chilly, clouds, coming, cool, crayons, cream, daddy, dancing, dark, dessert, did(2), do(2), dog, don't, drawing, dress, drew(2), ever, fast(2), favorite(2), feel, find(2), finished, five, floating, flowers, fluffy, foot, friend, from, front, fun, funny, garden, getting, go(2), goes, going(2), good(2), got, grandma, had, hands, handshake, happy, has(2), hat, have(5), he's, hear, heard, her, hiding, high, home, homework, house(2), how, i(29), i'd, i'll, i'm(5), ice, in(3), is(24), it, it's(2), joe, joke, juice, jump, keeps, kitchen, last(2), laugh, lead, let's, light, lions, listen, little, look(5), looks, loud, love(4), lunch, makes(4), many, me(8), mine, mommy, more, movie, muddy, music, my(27), name, napping, need, new(2), next, nice, night, now(4), of, older, our(2), outside, over(3), own, paint, pancakes, party, pasta, peanut, pencil, pet's, picture(2), pie, pizza, play, playground, playing, pool, pretty, purrs, put, raining, really(2), red, ride, right, ringing, robot, rock, room, same, sandcastle, sandwich, sang, saw, scared, school(2), seat, secret, see(3), she(3), shiny(2), shoes(3), short, show, singing, sister, sister's, sky, slide, snack, so(2), some, sometimes, song(2), soon, sound, spider, spilled, sprinkles, store, story, sun, sunlight, taken, taller, tasty, teddy, than, that(6), that's(2), the(22), there(2), there's(2), think(2), this(7), those(2), tie, time, tired, to(11), today(3), told, tommy, tomorrow, tooth, toss, toy(5), tree(2), tripped, try, turned, tv, up, very, wait, walk, want(3), warm, was(3), wash, watched, water, watercolors, way, we(7), week, what(2), when(3), where(2), why, wiggly, will, with(5), yesterday, you(4), yummiest

Variables

Intelligible Utterances:	100
Morphemes:	601
Unintelligible Utterances:	0
Types:	269
Utterances:	100
Tokens:	517
Intelligible Words:	535
Unintelligible Words:	0
Dysfluency Total:	18
Words:	535

Speech Therapist Notes

MLU Data for Typical Language Development

Age Range
 MLU Above
 MLU Below
 MLU Neutral

MLU: 6.01
Chronological Age: 5y 4m 24d

Age Range	MLU (morphemes)
5;6-5;11	4.96
...	...
8;0-8;5	5.67
8;6-8;11	5.51

The MLU (=6.01) for John Sierra is above the normative data and is not shown in the table above.

Rice, M., Smolik, F., Perpich, D., Thompson, T., Rytting, N., & Blossom, M. (2010). Mean length of utterance levels in 6-month intervals for children 3 to 9 Years with and without language impairments. Journal of Speech, Language, and Hearing Research [https://doi.org/10.1044/1092-4388\(2009/08-0183\)](https://doi.org/10.1044/1092-4388(2009/08-0183)

Analysis:

According to the study by Rice et al. (2010), a child's chronological age of 5y 4m 24d typically corresponds to a mean length of utterance (MLU) of around 4.96 morphemes per utterance. John Sierra's MLU of 6.01 falls above the maximum MLU of 5.67 represented in the study (Rice et al. 2010) and significantly above the age range MLU of 4.96 which may indicate advanced language skills. It is important to consult with a speech therapist to determine the cause of the elevated MLU.

Note: Please note that children's language development can vary widely, and it is not uncommon for some children to have an MLU that falls above or below the typical range. It is also important to consider other factors, such as the child's overall language abilities and any potential contributing factors, when evaluating their language development.

MLU Data for Impaired Language Development

Age Range
 MLU Above
 MLU Below
 MLU Neutral

MLU: 6.01
Chronological Age: 5y 4m 24d

Age Range	MLU (morphemes)
5;6-5;11	4.34
...	...
8;0-8;5	4.8
8;6-8;11	4.97

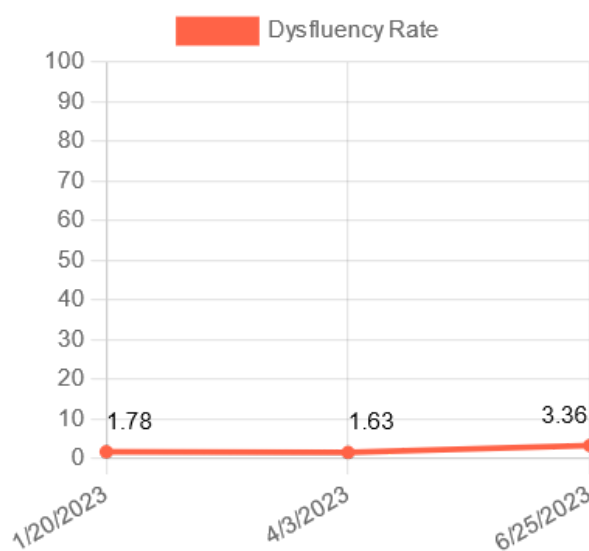
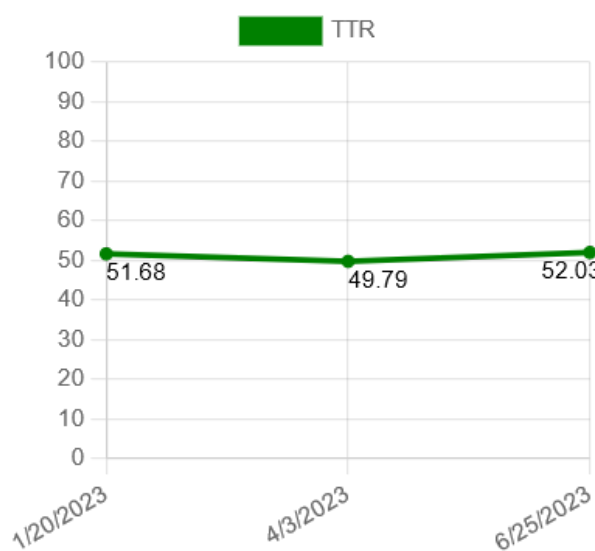
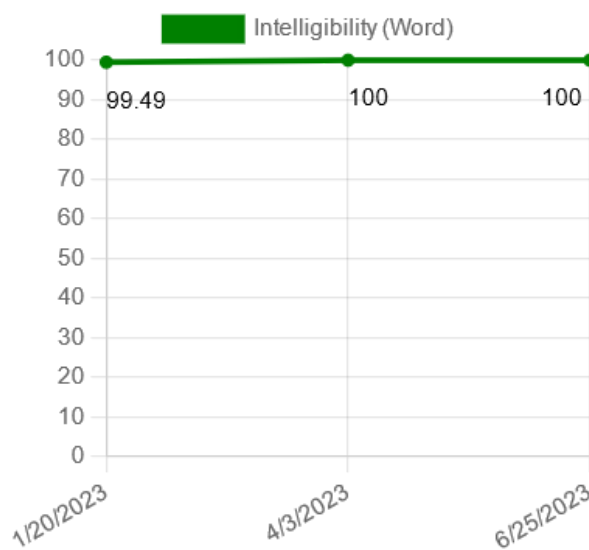
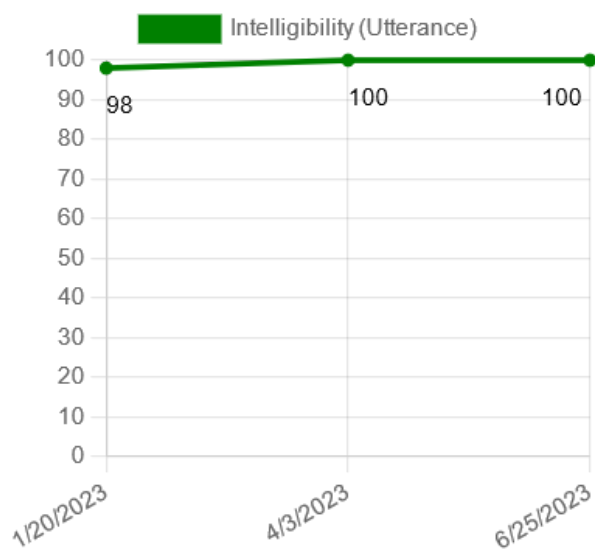
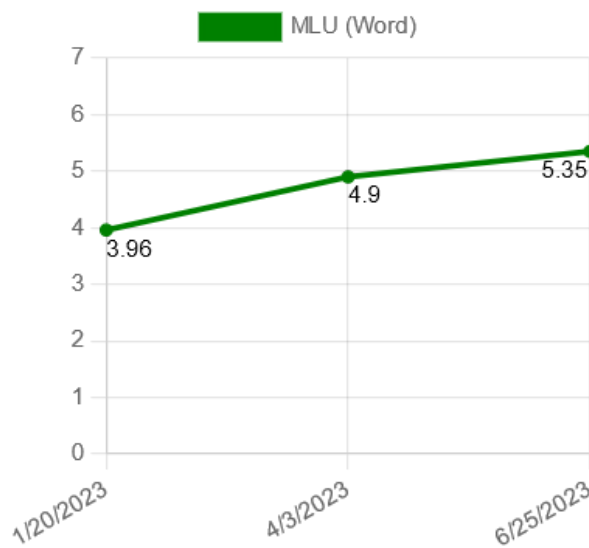
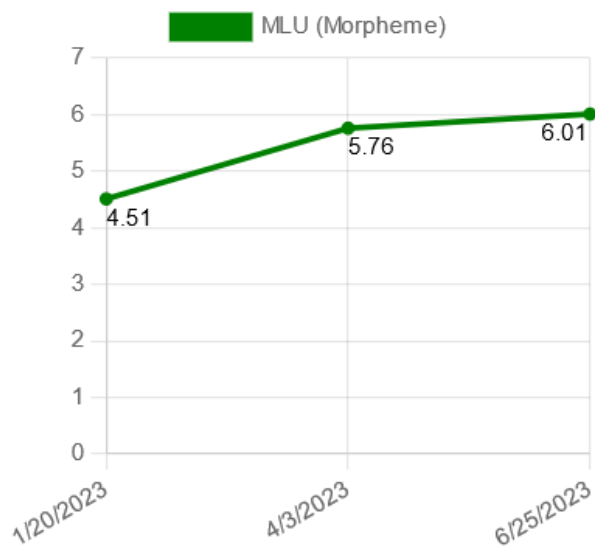
The MLU (=6.01) for John Sierra is above the impaired language data and is not shown in the table above.

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Analysis:

According to the impaired language data from the Rice et al. (2010) study, a child's chronological age of 5y 4m 24d typically corresponds to a mean length of utterance (MLU) of around 4.34 morphemes per utterance. John Sierra's MLU of 6.01 falls above the maximum MLU of 4.97 represented in the study (Rice et al. 2010) and significantly above the age range MLU of 4.34 which may indicate typical or advanced language skills.

Note: Please note that children's language development can vary widely, and it is not uncommon for some children to have an MLU that falls above or below the typical range. It is also important to consider other factors, such as the child's overall language abilities and any potential contributing factors, when evaluating their language development.



Net Changes

Date	MLU	TTR	Intelligibility (Utterance)	Intelligibility (Word)	Dysfluency Rate
1/20/2023	4.51	51.68	98	99.49	1.78
4/3/2023	5.76 ▲	49.79 ▼	100 ▲	100 ▲	1.63 ▼
6/25/2023	6.01 ▲	52.03 ▲	100	100	3.36 ▲

Word	Frequency	Word	Frequency	Word	Frequency
i	29 (5.6%)	own	1 (0.2%)	best	1 (0.2%)
my	27 (5.2%)	tommy	1 (0.2%)	watched	1 (0.2%)
is	24 (4.6%)	playing	1 (0.2%)	movie	1 (0.2%)
the	22 (4.3%)	saw	1 (0.2%)	night	1 (0.2%)
a	19 (3.7%)	lions	1 (0.2%)	bouncy	1 (0.2%)
to	11 (2.1%)	dog	1 (0.2%)	slide	1 (0.2%)
can	8 (1.5%)	keeps	1 (0.2%)	playground	1 (0.2%)
me	8 (1.5%)	barking	1 (0.2%)	crayons	1 (0.2%)
we	7 (1.4%)	tv	1 (0.2%)	let's	1 (0.2%)
this	7 (1.4%)	show	1 (0.2%)	blocks	1 (0.2%)
that	6 (1.2%)	hiding	1 (0.2%)	time	1 (0.2%)
toy	5 (1.0%)	try	1 (0.2%)	play	1 (0.2%)
i'm	5 (1.0%)	balloon	1 (0.2%)	don't	1 (0.2%)
with	5 (1.0%)	floating	1 (0.2%)	listen	1 (0.2%)
have	5 (1.0%)	away	1 (0.2%)	very	1 (0.2%)
look	5 (1.0%)	sister's	1 (0.2%)	goes	1 (0.2%)
love	4 (0.8%)	pretty	1 (0.2%)	secret	1 (0.2%)
now	4 (0.8%)	dress	1 (0.2%)	handshake	1 (0.2%)
makes	4 (0.8%)	why	1 (0.2%)	seat	1 (0.2%)
you	4 (0.8%)	it	1 (0.2%)	taken	1 (0.2%)
she	3 (0.6%)	raining	1 (0.2%)	little	1 (0.2%)
ball	3 (0.6%)	i'd	1 (0.2%)	tired	1 (0.2%)
want	3 (0.6%)	peanut	1 (0.2%)	baby	1 (0.2%)
shoes	3 (0.6%)	butter	1 (0.2%)	napping	1 (0.2%)
at	3 (0.6%)	sandwich	1 (0.2%)	taller	1 (0.2%)
today	3 (0.6%)	book	1 (0.2%)	than	1 (0.2%)
when	3 (0.6%)	turned	1 (0.2%)	her	1 (0.2%)
in	3 (0.6%)	five	1 (0.2%)	hat	1 (0.2%)
over	3 (0.6%)	sang	1 (0.2%)	pancakes	1 (0.2%)
see	3 (0.6%)	beautiful	1 (0.2%)	fluffy	1 (0.2%)
was	3 (0.6%)	light	1 (0.2%)	i'll	1 (0.2%)
are	3 (0.6%)	up	1 (0.2%)	lead	1 (0.2%)
car	2 (0.4%)	walk	1 (0.2%)	way	1 (0.2%)
go	2 (0.4%)	airplane	1 (0.2%)	same	1 (0.2%)
cat	2 (0.4%)	sky	1 (0.2%)	as	1 (0.2%)
really	2 (0.4%)	big	1 (0.2%)	dancing	1 (0.2%)
it's	2 (0.4%)	joe	1 (0.2%)	music	1 (0.2%)
going	2 (0.4%)	coming	1 (0.2%)	cake	1 (0.2%)
almost	2 (0.4%)	tomorrow	1 (0.2%)	sprinkles	1 (0.2%)
brother	2 (0.4%)	sun	1 (0.2%)	yummiest	1 (0.2%)

Word	Frequency	Word	Frequency	Word	Frequency
that's	2 (0.4%)	and	1 (0.2%)	pet's	1 (0.2%)
where	2 (0.4%)	pizza	1 (0.2%)	name	1 (0.2%)
did	2 (0.4%)	robot	1 (0.2%)	heard	1 (0.2%)
drew	2 (0.4%)	bird	1 (0.2%)	loud	1 (0.2%)
picture	2 (0.4%)	spilled	1 (0.2%)	sound	1 (0.2%)
find	2 (0.4%)	birthday	1 (0.2%)	fun	1 (0.2%)
favorite	2 (0.4%)	party	1 (0.2%)	sometimes	1 (0.2%)
last	2 (0.4%)	next	1 (0.2%)	dark	1 (0.2%)
song	2 (0.4%)	week	1 (0.2%)	scared	1 (0.2%)
house	2 (0.4%)	pie	1 (0.2%)	pool	1 (0.2%)
new	2 (0.4%)	tasty	1 (0.2%)	water	1 (0.2%)
do	2 (0.4%)	funny	1 (0.2%)	chilly	1 (0.2%)
tree	2 (0.4%)	joke	1 (0.2%)	build	1 (0.2%)
bit	2 (0.4%)	tripped	1 (0.2%)	sandcastle	1 (0.2%)
think	2 (0.4%)	but	1 (0.2%)	rock	1 (0.2%)
school	2 (0.4%)	purrs	1 (0.2%)	home	1 (0.2%)
our	2 (0.4%)	backpack	1 (0.2%)	older	1 (0.2%)
has	2 (0.4%)	red	1 (0.2%)	sister	1 (0.2%)
there	2 (0.4%)	garden	1 (0.2%)	how	1 (0.2%)
those	2 (0.4%)	many	1 (0.2%)	high	1 (0.2%)
good	2 (0.4%)	flowers	1 (0.2%)	jump	1 (0.2%)
there's	2 (0.4%)	need	1 (0.2%)	looks	1 (0.2%)
can't	2 (0.4%)	wash	1 (0.2%)	cool	1 (0.2%)
what	2 (0.4%)	hands	1 (0.2%)	foot	1 (0.2%)
fast	2 (0.4%)	sunlight	1 (0.2%)	got	1 (0.2%)
shiny	2 (0.4%)	feel	1 (0.2%)	muddy	1 (0.2%)
so	2 (0.4%)	warm	1 (0.2%)	ate	1 (0.2%)
blue	1 (0.2%)	paint	1 (0.2%)	biggest	1 (0.2%)
had	1 (0.2%)	watercolors	1 (0.2%)	apple	1 (0.2%)
ice	1 (0.2%)	getting	1 (0.2%)	ever	1 (0.2%)
cream	1 (0.2%)	snack	1 (0.2%)	grandma	1 (0.2%)
yesterday	1 (0.2%)	from	1 (0.2%)	told	1 (0.2%)
borrowed	1 (0.2%)	kitchen	1 (0.2%)	story	1 (0.2%)
store	1 (0.2%)	room	1 (0.2%)	pencil	1 (0.2%)
mommy	1 (0.2%)	right	1 (0.2%)	short	1 (0.2%)
bedtime	1 (0.2%)	clouds	1 (0.2%)	spider	1 (0.2%)
laugh	1 (0.2%)	animals	1 (0.2%)	nice	1 (0.2%)
more	1 (0.2%)	front	1 (0.2%)	some	1 (0.2%)
juice	1 (0.2%)	tooth	1 (0.2%)	candy	1 (0.2%)
put	1 (0.2%)	wiggly	1 (0.2%)	drawing	1 (0.2%)
teddy	1 (0.2%)	lunch	1 (0.2%)	baby's	1 (0.2%)
bear	1 (0.2%)	hear	1 (0.2%)	bottle	1 (0.2%)

Word	Frequency	Word	Frequency	Word	Frequency
ride	1 (0.2%)	bell	1 (0.2%)	singing	1 (0.2%)
bike	1 (0.2%)	ringing	1 (0.2%)	happy	1 (0.2%)
outside	1 (0.2%)	he's	1 (0.2%)	toss	1 (0.2%)
daddy	1 (0.2%)	friend	1 (0.2%)	finished	1 (0.2%)
will	1 (0.2%)	of	1 (0.2%)	homework	1 (0.2%)
be	1 (0.2%)	mine	1 (0.2%)	dessert	1 (0.2%)
soon	1 (0.2%)	pasta	1 (0.2%)	wait	1 (0.2%)
tie	1 (0.2%)	cheese	1 (0.2%)		

#	Utterance	Morphemes	Dysfluencies
1	I love my blue toy car.	6	
2	Can we go to the park-park?	6	WW-Repetition
3	The cat is really sssoft.	5	Prolongation
4	I had ice cream yesterday.	5	
5	It's my t-t-turn now.	5	PW-Repetition
6	She borrowed my ball.	5	
7	I'm going to the store with mommy.	9	
8	It's almost bedtime.	4	
9	My brother makes me laugh.	6	
10	Can I have more juice, p-p-please?	6	PW-Repetition
11	That's my pppizza.	4	Prolongation
12	Where did I put my teddy bear?	7	
13	I want to ride my bike outside.	7	
14	Daddy will be b-b-back soon.	5	PW-Repetition
15	I can tie my own shoes.	7	
16	Where is Tommy playing?	5	
17	Look, I drew this picture!	5	
18	We saw lions at the z-z-zoo.	7	PW-Repetition
19	The dog keeps barking.	6	
20	I like this TV show.	5	Interjection
21	I'm hiding, try to find me!	8	
22	That balloon is floating away.	6	
23	Look at my sister's pretty dress.	7	
24	Uh, why is it raining now?	7	Interjection
25	I'd love a peanut butter sandwich.	7	
26	This book is my favorite.	5	

#	Utterance	Morphemes	Dysfluencies
27	I turned five last m-m-month.	6	PW-Repetition
28	She sang a beautiful song today.	6	
29	My shoes light up when I walk.	8	
30	The airplane in the sky is big!	7	
31	Joe is coming over tomorrow.	6	
32	I drew a sun and a house.	7	
33	Pizza is my favorite.	4	
34	I have a new toy robot.	6	
35	Do you see that bird in the tree?	8	
36	Oops, I spilled a bit.	7	Interjection
37	My birthday party is next week.	6	
38	I think pie is tasty.	5	
39	That was a funny joke.	5	
40	I tripped but I'm okay.	7	Interjection
41	I love when the cat purrs.	7	
42	My school backpack is red.	5	
43	Our garden has many flowers.	6	
44	I need to wash my hands.	7	
45	Sunlight makes me feel warm.	6	
46	Can we paint with watercolors?	6	
47	I'm getting a snack from the kitchen.	9	
48	My room is right over there.	6	
49	Those clouds look like animals.	7	Interjection
50	My front tooth is wiggly.	5	
51	Lunch was really good today.	5	
52	I think I hear a bell ringing.	8	
53	He's a good friend of mine.	7	
54	Pasta with cheese is the best.	6	

#	Utterance	Morphemes	Dysfluencies
55	We watch ed a movie last night.	7	
56	This ball is bouncy.	4	
57	There' s a slide in the playground.	7	
58	I can' t find my crayons .	7	
59	Let' s p...play with the blocks .	7	Block
60	What time we play?	4	
61	I don' t want to listen to that song.	9	
62	Fast, very fast goes s my car.	7	
63	Can I have a secret handshake?	6	
64	Is this seat taken?	4	
65	I' m a little tired ed now.	7	
66	My baby brother is napping g.	6	
67	That tree is taller than our house.	7	
68	Look at her shiny hat.	5	
69	This is my toy, see?	5	
70	Pancakes s are so fluffy.	5	
71	Did you see my new picture?	6	
72	I' ll lead the way!	5	
73	She has the same toy as me.	7	
74	I love dancing g to music.	6	
75	Cake with sprinkles s is the yummiest.	7	
76	Do you-know my pet' s name?	6	Interjection
77	I heard a loud sound.	5	
78	School was fun today.	4	
79	Sometimes s the dark makes s me scared ed.	9	
80	The pool water is chilly.	5	
81	I want to build a sandcastle.	6	
82	This rock is shiny.	4	

#	Utterance	Morphemes	Dysfluencies
83	When are we going home?	6	
84	That's my older sister.	5	
85	How high can you jump?	5	
86	That toy looks so cool.	6	
87	My foot got a bit muddy.	6	
88	I ate the biggest apple ever.	6	
89	Grandma told me a story.	5	
90	My pencil is almost short now.	6	
91	Eww , there's a spider!	5	Interjection
92	Those shoes look nice.	5	
93	Uh , can I have some candy?	6	Interjection
94	What are you draw ing ?	5	
95	The baby's bottle is over there.	7	
96	Sing ing makes me happy.	6	
97	Toss me the ball.	4	
98	I finish ed my homework.	5	
99	Can we have dessert?	4	
100	I can't wait to go to the mall-mall .	9	WW-Repetition
Totals:		601	PW-Repetition(5), WW-Repetition(2), Interjection(8), Prolongation(2), Block(1)