

Appendix 1

150 Most Frequently Occurring Words [Frequency per 1000 words]

Word	F	Word	F	Word	F	Word	F	Word	F
I	61.38	went	9.15	one	5.94	love	4.37	time	2.71
the	39.93	me	7.91	they	5.66	because	4.19	up	2.65
and	39.30	he	7.58	had	5.62	there	4.07	out	2.59
a	32.12	going	7.51	you	5.31	said	4.05	all	2.58
to	31.51	are	7.30	am	5.14	her	3.98	his	2.57
my	28.84	of	7.15	when	5.10	dad	3.87	can	2.54
is	21.99	she	6.89	at	5.06	house	3.71	today	2.54
it	19.39	for	6.73	mom	4.89	play	3.67	birthday	2.53
we	16.95	see	6.54	that	4.83	be	3.13	some	2.52
was	16.34	then	6.54	but	4.73	day	3.10	too	2.52
like	12.06	have	6.42	so	4.57	get	3.02	do	2.50
in	10.87	got	6.11	fun	4.55	will	3.01	has	2.50
on	10.54	with	5.95	go	4.55	were	2.99	not	2.50

Word	F	Word	F	Word	F	Word	F	Word	F
friend	2.44	name	1.66	them	1.32	cat	1.13	party	1.00
very	2.43	dog	1.63	ball	1.29	know	1.13	blue	0.99
school	2.30	this	1.62	car	1.29	as	1.12	could	0.99
two	2.24	good	1.61	people	1.28	back	1.12	playing	0.99
came	2.23	I'm	1.48	next	1.27	Halloween	1.12	red	0.99
sister	2.23	down	1.47	put	1.24	just	1.12	room	0.99
did	2.13	cool	1.46	three	1.24	want	1.11	Saturday	0.97
our	2.10	what	1.40	it's	1.22	their	1.10	eat	0.94
brother	2.05	best	1.39	first	1.20	nice	1.08	last	0.94
home	1.98	him	1.39	game	1.19	about	1.07	yesterday	0.94
big	1.96	from	1.34	new	1.19	make	1.06	family	0.93
played	1.94	made	1.34	if	1.18	other	1.06	think	0.93
saw	1.89	friends	1.33	lots	1.18	Fall	1.03	us	0.93
little	1.88	night	1.33	lot	1.17	Christmas	1.00	into	0.91
after	1.77	really	1.32	end	1.14	once	1.00	over	0.90

Word	F	Word	F	Word	F	Word	F	Word	F
cousin	0.89	by	0.86	now	0.86	don't	0.85	weekend	0.84
favorite	0.87	didn't	0.86	off	0.86	hair	0.85	also	0.83

Note. F = frequency; No shading = content words; Shading = structure words.

Appendix 2

Frequency and Rank of 50 Most Frequently Occurring Words Overall – Usage Patterns for School Ages 1-4 with North Carolina and New Zealand Combined

[Frequency per 1000 words]

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Word	F	R	F	R	F	R	F	R	F	R
I	61.38	1	139.04	1	65.37	1	45.31	1	28.45	4
the	39.93	2	35.94	5	39.53	3	39.42	2	46.69	1
and	39.30	3	28.82	8	43.22	2	39.00	3	35.02	2
a	32.12	4	61.54	2	29.14	6	27.82	5	30.75	3
to	31.51	5	31.92	7	30.91	5	33.68	4	26.26	5
my	28.84	6	34.33	6	32.71	4	25.56	6	20.01	6
is	21.99	7	28.82	9	24.01	7	20.90	7	11.78	11
it	19.39	8	21.93	10	21.04	8	18.83	8	12.71	10
we	16.95	9	9.87	14	19.10	9	17.05	10	15.01	8
was	16.34	10	6.66	22	16.88	10	17.62	9	18.86	7
like	12.06	11	36.74	4	14.33	11	5.32	32	3.13	51
in	10.87	12	6.20	24	10.95	12	10.83	13	14.90	9
on	10.54	13	7.12	20	10.84	13	11.41	11	9.69	14
went	9.15	14	10.22	13	9.59	14	8.70	14	8.03	16
me	7.91	15	8.27	16	9.37	15	7.39	16	3.75	42
he	7.58	16	2.53	45	8.43	17	7.01	18	10.84	13

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Word	F	R	F	R	F	R	F	R	F	R
going	7.51	17	10.56	12	7.96	19	6.95	20	4.90	32
are	7.30	18	7.35	18	8.87	16	6.50	22	3.96	38
of	7.15	19	3.21	35	6.51	24	7.78	15	11.05	12
she	6.89	20	4.82	27	7.51	21	6.15	28	8.86	15
for	6.73	21	2.30	51	3.77	46	11.34	12	6.77	19
see	6.54	22	49.60	3	1.94	77	1.43	99	1.46	102
then	6.54	23	0.34	336	8.21	18	6.47	23	6.15	27
have	6.42	24	7.46	17	6.76	23	6.66	21	3.44	46
got	6.11	25	4.02	30	6.90	22	5.70	30	6.36	24
with	5.95	26	7.35	19	5.57	31	6.18	27	5.32	30
one	5.94	27	0.92	138	5.77	29	7.01	19	7.61	17
they	5.66	28	0.69	177	5.90	27	6.47	24	6.57	21
had	5.62	29	3.79	32	5.96	26	5.48	31	6.46	22
you	5.31	30	2.41	49	4.35	40	7.17	17	5.42	29
am	5.14	31	13.09	11	5.74	30	3.44	44	1.25	112
when	5.10	32	0.80	156	5.32	33	6.34	26	4.06	37
at	5.06	33	6.89	21	5.41	32	4.14	36	5.11	31
mom	4.89	34	5.05	26	6.02	25	3.82	38	3.96	39
that	4.83	35	1.49	79	3.83	45	6.34	25	6.67	20
but	4.73	36	1.95	64	3.83	44	6.05	29	6.36	23

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Word	F	R	F	R	F	R	F	R	F	R
so	4.57	37	1.15	107	4.82	35	4.46	35	7.09	18
fun	4.55	38	5.86	25	5.85	28	3.38	45	2.29	67
go	4.55	39	3.90	31	4.44	38	4.97	33	4.17	36
love	4.37	40	4.36	28	7.57	20	1.78	81	0.83	182
because	4.19	41	8.27	15	4.27	41	3.25	48	3.23	49
there	4.07	42	1.26	95	4.57	37	3.76	40	5.73	28
said	4.05	43	0.57	206	4.35	39	3.95	37	6.36	25
her	3.98	44	1.72	70	3.44	49	4.52	34	6.25	26
dad	3.87	45	2.64	41	4.99	34	3.25	49	2.81	57
house	3.71	46	6.43	23	4.05	42	2.64	59	3.44	47
play	3.67	47	4.36	29	4.80	36	2.64	60	2.19	69
be	3.13	48	1.84	66	2.80	53	3.51	43	4.27	34
day	3.10	49	1.15	101	2.77	54	3.79	39	3.86	40
get	3.02	50	1.03	116	2.91	51	3.54	42	3.54	45

Note. F = frequency; R = rank.

Appendix 3

Frequency and Rank of 50 Most Frequently Occurring Words Overall – Usage Patterns for North Carolina and New Zealand with School Ages 1-4 Combined

[Frequency per 1000 words]

Overall (Countries and School Ages Combined)			North Carolina		New Zealand	
Word	F	R	F	R	F	R
I	61.38	1	62.91	1	58.34	1
the	39.93	2	40.88	2	38.04	3
and	39.30	3	31.46	4	54.83	2
a	32.12	4	33.28	3	29.83	5
to	31.51	5	29.07	6	36.34	4
my	28.84	6	29.60	5	27.33	6
is	21.99	7	21.33	7	23.30	7
it	19.39	8	20.04	8	18.12	8
we	16.95	9	17.65	10	15.58	9
was	16.34	10	18.51	9	12.03	12
like	12.06	11	14.54	11	7.13	20
in	10.87	12	11.11	12	10.40	14
on	10.54	13	9.23	13	13.14	11
went	9.15	14	8.58	15	10.29	15
me	7.91	15	7.21	20	9.28	19
he	7.58	16	8.00	17	6.75	22

Overall (Countries and School Ages Combined)			North Carolina		New Zealand	
Word	F	R	F	R	F	R
going	7.51	17	3.86	42	14.74	10
are	7.30	18	5.91	23	10.05	16
of	7.15	19	7.33	19	6.78	21
she	6.89	20	5.49	28	9.67	17
for	6.73	21	7.68	18	4.83	31
see	6.54	22	9.02	14	1.63	90
then	6.54	23	8.56	16	2.54	58
have	6.42	24	4.91	34	9.42	18
got	6.11	25	5.91	24	6.50	24
with	5.95	26	5.68	27	6.47	25
one	5.94	27	6.86	21	4.10	37
they	5.66	28	6.44	22	4.10	38
had	5.62	29	5.82	25	5.22	27
you	5.31	30	4.77	37	6.36	26
am	5.14	31	2.39	60	10.61	13
when	5.10	32	5.49	29	4.31	35
at	5.06	33	4.26	40	6.64	23
mom	4.89	34	5.05	33	4.55	33
that	4.83	35	5.79	26	2.92	53
but	4.73	36	4.88	35	4.45	34

Overall (Countries and School Ages Combined)			North Carolina		New Zealand	
Word	F	R	F	R	F	R
so	4.57	37	5.11	32	3.51	48
fun	4.55	38	4.39	39	4.87	30
go	4.55	39	4.84	36	3.96	40
love	4.37	40	5.23	30	2.68	55
because	4.19	41	3.82	43	4.90	29
there	4.07	42	4.40	38	3.41	49
said	4.05	43	5.14	31	1.88	72
her	3.98	44	3.60	45	4.73	32
dad	3.87	45	4.05	41	3.51	47
house	3.71	46	3.54	46	4.03	39
play	3.67	47	3.61	44	3.79	43
be	3.13	48	2.93	51	3.51	46
day	3.10	49	3.47	47	2.36	62
get	3.02	50	2.74	54	3.58	45

Note. F = frequency; R = rank.

Appendix 4

Frequency and Rank of 50 Most Frequently Occurring Words Overall – Usage

Patterns for School Ages 1-4 in North Carolina [Frequency per 1000 words]

Overall (Countries and School Ages Combined)			NC SA 1		NC SA 2		NC SA 3		NC SA 4	
Word	F	R	F	R	F	R	F	R	F	R
I	61.38	1	194.01	1	69.24	1	44.72	1	29.24	4
the	39.93	2	31.43	7	41.93	2	40.47	2	43.56	1
and	39.30	3	4.42	24	34.51	4	32.02	4	34.71	2
a	32.12	4	91.36	3	27.14	6	30.11	5	30.05	3
to	31.51	5	18.42	9	28.49	5	32.82	3	26.32	5
my	28.84	6	32.17	6	35.73	3	26.00	6	20.97	6
is	21.99	7	35.12	5	21.51	8	21.89	7	12.93	11
it	19.39	8	25.29	8	22.03	7	19.61	9	13.28	10
we	16.95	9	1.47	87	20.29	9	18.86	10	15.26	8
was	16.34	10	3.19	40	19.15	10	20.40	8	19.34	7
like	12.06	11	67.53	4	18.15	11	5.23	30	3.03	52
in	10.87	12	2.70	45	11.65	12	10.69	12	14.68	9
on	10.54	13	1.72	74	9.47	15	10.41	13	9.20	15
went	9.15	14	0.49	234	9.16	16	9.62	14	8.27	16
me	7.91	15	6.39	12	8.29	17	7.56	18	3.84	40
he	7.58	16	0.49	190	8.12	18	7.98	16	11.30	12
going	7.51	17	1.47	79	3.23	45	4.67	35	4.66	33

Overall (Countries and School Ages Combined)			NC SA 1		NC SA 2		NC SA 3		NC SA 4	
Word	F	R	F	R	F	R	F	R	F	R
are	7.30	18	5.89	13	7.16	19	5.51	29	3.61	45
of	7.15	19	2.46	55	6.81	21	7.52	19	10.60	13
she	6.89	20	1.23	100	4.32	40	5.79	27	9.90	14
for	6.73	21	0.25	300	3.18	47	14.24	11	6.87	22
see	6.54	22	102.65	2	2.40	64	1.49	97	1.05	149
then	6.54	23	*	*	11.56	13	7.84	17	6.41	26
have	6.42	24	1.96	67	5.28	31	5.70	28	3.38	47
got	6.11	25	0.25	313	6.63	23	5.98	26	6.52	24
with	5.95	26	2.70	50	5.45	30	6.44	22	5.82	29
one	5.94	27	*	*	6.33	24	8.36	15	7.80	17
they	5.66	28	*	*	6.68	22	7.38	20	6.52	25
had	5.62	29	0.49	187	6.02	26	6.21	24	6.87	23
you	5.31	30	2.70	51	4.80	38	4.99	32	5.13	31
am	5.14	31	4.42	23	2.75	55	2.05	72	1.28	107
when	5.10	32	0.25	443	6.15	25	6.30	23	4.19	37
at	5.06	33	3.93	29	4.84	36	3.31	45	5.24	30
mom	4.89	34	2.70	47	6.81	20	3.92	40	4.31	35
that	4.83	35	0.74	154	4.97	35	7.10	21	7.11	19
but	4.73	36	0.74	126	3.71	42	6.12	25	6.87	21
so	4.57	37	1.72	76	5.19	32	4.71	34	7.45	18

Overall (Countries and School Ages Combined)			NC SA 1		NC SA 2		NC SA 3		NC SA 4	
Word	F	R	F	R	F	R	F	R	F	R
fun	4.55	38	5.65	17	5.72	29	3.55	42	2.33	66
go	4.55	39	4.17	28	5.02	33	5.09	31	4.08	38
love	4.37	40	5.89	14	9.55	14	2.24	69	0.82	191
because	4.19	41	13.51	10	3.49	43	2.66	54	3.03	51
there	4.07	42	0.98	118	5.02	34	3.73	41	6.06	28
said	4.05	43	*	*	5.89	28	4.95	33	6.06	27
her	3.98	44	0.74	140	2.31	66	4.15	38	6.99	20
dad	3.87	45	0.98	108	5.93	27	3.13	49	2.80	58
house	3.71	46	5.16	19	4.01	41	2.66	56	3.73	43
play	3.67	47	4.67	22	4.80	37	2.66	57	2.33	67
be	3.13	48	2.21	57	2.14	72	3.22	48	4.66	32
day	3.10	49	*	*	3.18	46	4.15	37	4.19	36
get	3.02	50	0.49	182	2.97	52	2.52	58	3.73	42

Note. F = frequency; R = rank; The * symbol signifies that the word was not by any children in the school age group.

Appendix 5

Frequency and Rank of 50 Most Frequently Occurring Words Overall – Usage

Patterns for School Ages 1-4 in New Zealand [Frequency per 1000 words]

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Word	F	R	F	R	F	R	F	R	F	R
I	61.38	1	90.77	1	58.62	1	46.59	2	21.78	5
the	39.93	2	39.89	4	35.36	3	37.15	3	73.27	1
and	39.30	3	50.24	2	58.39	2	54.02	1	37.62	2
a	32.12	4	35.36	6	32.62	5	22.89	6	36.63	3
to	31.51	5	43.77	3	35.13	4	35.54	4	25.74	4
my	28.84	6	36.22	5	27.45	7	24.60	5	11.88	12
is	21.99	7	23.29	7	28.36	6	18.78	7	1.98	108
it	19.39	8	18.97	9	19.31	8	17.17	8	7.92	15
we	16.95	9	17.25	12	17.03	9	13.15	10	12.87	10
was	16.34	10	9.70	18	12.93	13	11.65	13	14.85	8
like	12.06	11	9.70	17	7.68	21	5.52	27	3.96	53
in	10.87	12	9.27	20	9.73	18	11.14	14	16.83	6
on	10.54	13	11.86	14	13.23	11	13.55	9	13.86	9
went	9.15	14	18.76	10	10.34	17	6.73	20	5.94	35
me	7.91	15	9.92	16	11.25	15	7.03	18	2.97	78
he	7.58	16	4.31	32	8.97	20	4.92	32	6.93	21
going	7.51	17	18.54	11	16.20	10	11.85	11	6.93	20

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Word	F	R	F	R	F	R	F	R	F	R
are	7.30	18	8.62	21	11.86	14	8.63	16	6.93	18
of	7.15	19	3.88	36	6.01	26	8.33	17	14.85	7
she	6.89	20	7.98	22	13.08	12	6.93	19	*	*
for	6.73	21	4.10	34	4.79	33	5.12	30	5.94	31
see	6.54	22	3.02	46	1.14	110	1.31	119	4.95	41
then	6.54	23	0.65	220	2.36	59	3.51	49	3.96	61
have	6.42	24	12.29	13	9.35	19	8.73	15	3.96	52
got	6.11	25	7.33	24	7.38	22	5.12	31	4.95	40
with	5.95	26	11.43	15	5.78	28	5.62	26	0.99	385
one	5.94	27	1.72	81	4.79	34	4.12	40	5.94	32
they	5.66	28	1.29	100	4.56	37	4.52	36	6.93	25
had	5.62	29	6.68	27	5.85	27	3.92	41	2.97	74
you	5.31	30	2.16	65	3.57	47	11.85	12	7.92	17
am	5.14	31	20.70	8	10.95	16	6.43	21	0.99	145
when	5.10	32	1.29	104	3.88	45	6.43	22	2.97	91
at	5.06	33	9.49	19	6.39	24	5.92	23	3.96	46
mom	4.89	34	7.12	25	4.64	36	3.61	47	0.99	271
that	4.83	35	2.16	62	1.82	77	4.72	34	2.97	85
but	4.73	36	3.02	43	4.03	43	5.92	24	1.98	95
so	4.57	37	0.65	211	4.18	38	3.92	44	3.96	58

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Word	F	R	F	R	F	R	F	R	F	R
fun	4.55	38	6.04	28	6.08	25	3.01	54	1.98	102
go	4.55	39	3.67	38	3.42	48	4.72	33	4.95	39
love	4.37	40	3.02	44	4.11	42	0.80	187	0.99	259
because	4.19	41	3.67	37	5.63	29	4.52	35	4.95	38
there	4.07	42	1.51	93	3.80	46	3.82	45	2.97	86
said	4.05	43	1.08	127	1.67	82	1.81	91	8.91	14
her	3.98	44	2.59	52	5.40	31	5.32	28	*	*
dad	3.87	45	4.10	33	3.35	49	3.51	48	2.97	68
house	3.71	46	7.55	23	4.11	41	2.61	66	0.99	238
play	3.67	47	4.10	35	4.79	35	2.61	67	0.99	306
be	3.13	48	1.51	86	3.95	44	4.12	38	0.99	156
day	3.10	49	2.16	58	2.05	66	3.01	53	0.99	186
get	3.02	50	1.51	89	2.81	55	5.72	25	1.98	103

Note. F = frequency; R = rank; The * symbol signifies that the word was not by any children in the school age group.

Appendix 6

25 Most Frequently Occurring Two Word Sequences – School Ages 1-4 with North Carolina and New Zealand Combined [Frequency per 1000 sequences]

Rank	SA 1		SA 2		SA 3		SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
1	I see	60.13	I like	14.00	is for	7.68	in the	5.96
2	see a	50.71	going to	8.56	going to	7.34	going to	5.47
3	I like	43.61	I love	7.47	it was	7.34	went to	5.23
4	I am	16.37	it was	7.07	went to	5.37	it was	4.99
5	it is	15.21	I am	6.74	in the	4.47	was a	3.77
6	going to	11.59	went to	6.67	and I	4.29	I went	3.53
7	I went	9.71	and I	6.57	to the	4.25	to the	3.53
8	like my	9.56	I went	6.30	I went	4.17	of the	3.28
9	went to	9.42	it is	5.74	on the	4.17	to be	2.92
10	and I	9.13	in the	5.67	I was	4.10	and I	2.80
11	like the	8.84	to the	5.57	I am	3.84	there was	2.80
12	to the	8.11	I got	4.91	I like	3.50	and the	2.55

Rank	SA 1		SA 2		SA 3		SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
13	like to	7.82	my mom	4.71	my mom	3.09	I got	2.55
14	am going	7.24	then we	4.48	we went	2.91	my mom	2.43
15	I have	4.93	and my	4.25	it is	2.72	the end	2.43
16	because it	4.64	on the	4.08	to go	2.65	we went	2.43
17	it was	4.49	I was	3.82	and my	2.61	had a	2.19
18	my mom	4.35	am going	3.78	I have	2.50	to go	2.07
19	have a	4.20	my dad	3.72	was a	2.42	a lot	1.95
20	we are	3.91	we are	3.72	had a	2.39	on the	1.95
21	I love	3.77	I have	3.52	have a	2.31	to my	1.95
22	and it	3.48	me and	3.48	I got	2.31	at the	1.82
23	I got	3.48	she is	3.29	when I	2.31	go to	1.82
24	my sister	3.19	to play	3.22	go to	2.27	I had	1.82
25	to go	3.19	is a	3.19	am going	2.20	I was	1.82

Note. F = frequency.

Appendix 7

25 Most Frequently Occurring Three Word Sequences – School Ages 1-4 with North Carolina and New Zealand Combined [Frequency per 1000 sequences]

Rank	SA 1		SA 2		SA 3		SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
1	I see a	67.81	I went to	5.77	I went to	3.17	I went to	2.75
2	I like my	12.67	I am going	4.62	I am going	2.59	there was a	2.60
3	I like the	11.50	am going to	4.41	am going to	2.54	going to be	2.46
4	I like to	10.33	went to the	3.34	is going to	2.05	we went to	1.88
5	I went to	9.94	I like to	3.21	are going to	2.01	went to the	1.88
6	I am going	9.55	are going to	3.09	we went to	1.87	I'm going to	1.45
7	am going to	8.96	we are going	2.56	went to the	1.83	is going to	1.45
8	because it is	5.65	I got a	2.27	going to be	1.52	once upon a	1.30
9	I have a	4.87	I love my	2.10	passed it to	1.47	upon a time	1.30
10	went to the	4.68	and she is	1.98	we are going	1.47	a lot of	1.01
11	see a leaf	3.90	I have a	1.90	a lot of	1.25	a time there	1.01
12	going to the	3.51	I love to	1.77	going to have	1.21	going to have	1.01

Rank	SA 1		SA 2		SA 3		SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
13	I got a	3.12	I like the	1.69	it was fun	1.21	went to my	1.01
14	I like me	3.12	is going to	1.69	to go to	1.12	and I got	0.87
15	like to play	3.12	me and my	1.65	it was a	1.03	and she said	0.87
16	we are going	2.92	like to play	1.61	me and my	0.98	I had a	0.87
17	are going to	2.73	it was fun	1.32	it was time	0.94	so so so	0.87
18	like my mommy	2.53	I like my	1.28	mom and dad	0.89	then I went	0.87
19	like the sun	2.53	then we went	1.28	one day I	0.85	time there was	0.87
20	see a bat	2.34	we went to	1.24	there was a	0.85	to go to	0.87
21	see a dog	2.34	I had a	1.20	to have a	0.85	after that we	0.72
22	and it was	2.14	there was a	1.20	I had a	0.80	are going to	0.72
23	I like playing	2.14	going to have	1.15	I like to	0.80	had to go	0.72
24	I see the	2.14	going to play	1.11	then we went	0.80	I got to	0.72
25	is going to	2.14	it was a	1.11	my mom and	0.76	it was a	0.72

Note. F = frequency.

Appendix 8

25 Most Frequently Occurring Two Word Sequences –North Carolina and New Zealand with School Ages 1-4 Combined [Frequency per 1000 sequences]

Rank	North Carolina		New Zealand	
	Sequence	F	Sequence	F
1	I like	28.49	going to	16.23
2	I see	17.54	I am	12.22
3	see a	14.51	and I	9.16
4	it was	14.35	went to	8.14
5	went to	10.38	I went	7.89
6	it is	9.85	am going	7.56
7	I love	9.69	to the	6.70
8	in the	9.32	it was	5.36
9	is for	8.42	we are	5.23
10	I went	8.38	in the	5.19
11	to the	8.30	I like	5.03
12	my mom	8.18	it is	4.91
13	I was	7.89	she is	4.86
14	going to	7.48	are going	4.70
15	and I	7.15	on the	4.70
16	then we	6.99	I got	4.62
17	like to	6.58	I have	4.09
18	on the	6.38	and she	3.97

Rank	North Carolina		New Zealand	
	Sequence	F	Sequence	F
19	was a	6.05	and we	3.92
20	my dad	5.97	and my	3.68
21	we went	5.89	have a	3.56
22	I got	5.81	and it	3.19
23	to go	5.81	my mom	3.07
24	I am	5.36	I had	2.98
25	and my	5.27	me and	2.94

Note. F = frequency.

Appendix 9

25 Most Frequently Occurring Three Word Sequences – North Carolina and New Zealand with School Ages 1-4 Combined [Frequency per 1000 sequences]

Rank	North Carolina		New Zealand	
	Sequence	F	Sequence	F
1	I see a	17.28	I am going	8.94
2	I like to	7.01	am going to	8.64
3	I went to	6.47	I went to	7.41
4	I like the	4.74	are going to	5.23
5	I like my	4.44	we are going	4.10
6	went to the	4.25	went to the	3.61
7	we went to	3.36	is going to	2.86
8	like to play	2.72	and she is	2.72
9	I love my	2.67	I got a	2.72
10	there was a	2.62	going to have	2.67
11	me and my	2.57	going to the	2.42
12	going to be	2.52	I have a	2.22
13	is going to	2.47	and I got	1.68
14	I love to	2.37	and it was	1.63
15	it was a	2.22	I had a	1.53
16	then we went	2.17	it was fun	1.53
17	I have a	2.12	and we are	1.48
18	a lot of	2.07	going to play	1.48

Rank	North Carolina		New Zealand	
	Sequence	F	Sequence	F
19	it is fun	2.07	and I am	1.38
20	because it is	2.02	in the weekend	1.38
21	I am going	2.02	going to be	1.28
22	it was fun	2.02	and my brother	1.14
23	am going to	1.93	to have fun	1.14
24	to go to	1.93	I'm going to	1.09
25	are going to	1.63	the weekend I	1.09

Note. F = frequency.

Appendix 10

25 Most Frequently Occurring Two Word Sequences – School Ages 1-4 in North Carolina

[Frequency per 1000 sequences]

Rank	NC SA 1		NC SA 2		NC SA 3		NC SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
1	I see	134.42	I like	18.99	is for	11.31	in the	5.72
2	see a	113.87	I love	9.99	it was	8.40	it was	5.45
3	I like	87.11	it was	7.99	went to	5.77	went to	5.45
4	it is	25.77	then we	6.42	I was	4.78	going to	5.17
5	like my	19.25	went to	5.63	going to	4.61	was a	3.95
6	like the	18.60	it is	5.57	I went	4.39	I went	3.54
7	like to	15.99	in the	5.52	in the	4.39	of the	3.27
8	because it	9.46	my mom	5.42	on the	4.17	to be	3.13
9	a leaf	6.53	to the	5.42	to the	3.95	and I	2.99
10	the sun	6.53	I went	5.10	my mom	3.79	there was	2.99
11	I love	6.20	I was	4.84	and I	3.62	to the	2.86
12	a dog	5.87	my dad	4.73	I like	3.62	I got	2.72

Rank	NC SA 1		NC SA 2		NC SA 3		NC SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
13	I am	5.87	and I	4.37	we went	3.35	the end	2.72
14	like me	5.55	like to	4.37	was a	3.08	my mom	2.59
15	is cool	4.89	and my	4.21	one day	3.02	we went	2.59
16	is fun	4.57	I got	4.21	the ball	2.80	and the	2.31
17	my mommy	4.57	to play	3.52	to go	2.75	had a	2.31
18	to go	4.57	on the	3.42	had a	2.69	to go	2.31
19	to play	4.57	we went	3.37	it is	2.53	a lot	2.18
20	I will	4.24	was a	3.26	I have	2.47	one day	2.04
21	a bat	3.92	I am	3.21	my dad	2.42	then I	2.04
22	a bus	3.92	to go	3.21	I am	2.31	to my	2.04
23	a cat	3.59	going to	3.10	to my	2.31	and a	1.91
24	a flower	3.59	is a	3.05	I got	2.25	and she	1.91
25	a box	3.26	I have	3.00	and my	2.20	at the	1.91

Note. F = frequency.

Appendix 11

25 Most Frequently Occurring Three Word Sequences – School Ages 1-4 in North Carolina

[Frequency per 1000 sequences]

Rank	NC SA 1		NC SA 2		NC SA 3		NC SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
1	I see a	167.71	I like to	4.95	I went to	3.05	I went to	2.76
2	I like my	28.43	I went to	4.35	passed it to	2.19	there was a	2.76
3	I like the	26.51	went to the	3.23	we went to	2.19	going to be	2.59
4	I like to	23.13	I love my	3.04	went to the	1.79	we went to	2.11
5	because it is	13.01	I love to	2.77	is going to	1.72	is going to	1.62
6	see a leaf	9.64	I like the	2.51	going to be	1.59	went to the	1.62
7	I like me	7.71	like to play	2.51	a lot of	1.46	a lot of	1.14
8	like my mommy	6.27	me and my	2.11	it was fun	1.46	going to have	1.14
9	like the sun	6.27	then we went	1.72	it was a	1.33	I'm going to	1.14
10	like to play	6.27	I have a	1.65	are going to	1.26	once upon a	1.14
11	see a bat	5.78	I like my	1.65	one day I	1.26	upon a time	1.14
12	see a dog	5.78	I am going	1.52	me and my	1.19	went to my	1.14

Rank	NC SA 1		NC SA 2		NC SA 3		NC SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
13	it is cool	5.30	am going to	1.45	there was a	1.19	a time there	0.97
14	like to go	5.30	I got a	1.45	we are going	1.19	and I got	0.97
15	see a bus	5.30	it is fun	1.45	I like to	1.13	and she said	0.97
16	see a cat	5.30	we went to	1.45	it was time	1.06	so so so	0.97
17	see a flower	5.30	then we had	1.39	to go to	1.06	then I went	0.97
18	I see the	4.82	is the best	1.32	then we went	1.00	to go to	0.97
19	it is fun	4.82	it was a	1.32	in the fall	0.93	after that we	0.81
20	see a box	4.82	when I was	1.25	it to me	0.93	are going to	0.81
21	see a pumpkin	4.82	I saw a	1.19	I am going	0.86	had to go	0.81
22	like my daddy	4.34	mom and dad	1.19	my mom and	0.86	I got to	0.81
23	I like playing	3.86	the next day	1.19	the other team	0.86	I had a	0.81
24	I will bring	3.86	then we got	1.19	we had a	0.86	it was a	0.81
25	see a farm	3.86	there was a	1.19	am going to	0.80	time there was	0.81

Note. F = frequency.

Appendix 12

25 Most Frequently Occurring Two Word Sequences – School Ages 1-4 in New Zealand

[Frequency per 1000 sequences]

Rank	NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
1	I am	24.76	going to	17.89	going to	13.10	to the	9.11
2	going to	20.33	I am	12.77	I am	7.07	going to	7.97
3	I went	16.94	and I	10.34	and I	5.68	in the	7.97
4	went to	16.42	went to	8.45	am going	5.33	the joker	6.83
5	and I	15.38	I went	8.36	it was	5.10	all the	5.69
6	to the	12.77	am going	8.18	to the	4.87	and we	5.69
7	am going	12.51	she is	7.55	in the	4.64	and the	4.56
8	I like	8.86	we are	6.92	went to	4.52	go to	4.56
9	I have	7.04	and she	6.74	on the	4.17	in a	4.56
10	we are	7.04	are going	6.29	I went	3.71	my cousin	4.56
11	it is	6.78	I got	6.11	and my	3.48	on the	4.56
12	it was	6.52	it is	6.02	are going	3.25	said in	4.56

Rank	NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
13	and it	6.25	in the	5.93	I like	3.25	the vikings	4.56
14	have a	5.99	to the	5.84	it is	3.13	along line	3.42
15	I got	5.99	I like	5.48	and we	2.90	come for	3.42
16	I did	5.47	it was	5.48	when I	2.90	could hear	3.42
17	my mom	5.47	on the	5.21	have a	2.78	down the	3.42
18	to my	5.21	and we	4.59	to have	2.78	fold along	3.42
19	got a	4.69	I have	4.41	and a	2.67	I went	3.42
20	are going	4.43	me and	4.41	I was	2.67	I'm going	3.42
21	on the	4.43	and my	4.32	we are	2.67	like a	3.42
22	and we	3.91	I had	3.78	go to	2.55	my little	3.42
23	I had	3.91	he is	3.69	I have	2.55	of the	3.42
24	I saw	3.65	have a	3.60	I got	2.44	the car	3.42
25	in the	3.65	my mom	3.51	she is	2.44	the cars	3.42

Note. F = frequency.

Appendix 13

25 Most Frequently Occurring Three Word Sequences – School Ages 1-4 in New Zealand

[Frequency per 1000 sequences]

Rank	NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
1	I went to	16.03	I am going	9.77	am going to	6.14	I'm going to	3.90
2	I am going	15.37	am going to	9.33	I am going	6.14	said in a	3.90
3	am going to	14.72	I went to	8.12	are going to	3.55	went to the	3.90
4	went to the	7.85	are going to	7.24	I went to	3.41	breathing hot flaming	2.60
5	I have a	6.54	we are going	5.82	is going to	2.73	could see the	2.60
6	going to the	5.56	and she is	5.05	going to have	2.46	down along line	2.60
7	I got a	5.23	I got a	3.62	we are going	2.05	fold along lines	2.60
8	we are going	4.91	went to the	3.51	went to the	1.91	going to the	2.60
9	are going to	4.58	is going to	2.96	when I was	1.77	hot flaming fire	2.60
10	and it was	3.60	going to have	2.85	mom and dad	1.64	I could see	2.60
11	is going to	3.60	going to play	2.74	going to the	1.50	I went to	2.60
12	going to have	3.27	I have a	2.30	too many pies	1.50	in the weekend	2.60

Rank	NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
	Sequence	F	Sequence	F	Sequence	F	Sequence	F
13	and we are	2.94	very very very	2.30	going to be	1.36	like a screeching	2.60
14	I did play	2.94	and I got	2.20	I'm going to	1.36	my little brother	2.60
15	and I am	2.62	going to the	2.09	on Saturday I	1.36	once upon a	2.60
16	did play with	2.62	I had a	2.09	going to do	1.23	said the joker	2.60
17	I saw a	2.62	in the weekend	1.98	to go to	1.23	see my cousin	2.60
18	and I got	2.29	it was fun	1.98	to have a	1.23	stepped on a	2.60
19	it was fun	2.29	and we are	1.87	we went to	1.23	stunt car race	2.60
20	to the park	2.29	to have fun	1.87	and my brother	1.09	the droids said	2.60
21	we are having	2.29	and I am	1.65	and when it	1.09	the stunt car	2.60
22	and I did	1.96	and it was	1.65	my little sister	1.09	the waves was	2.60
23	and I like	1.96	going to be	1.43	the next day	1.09	the weekend I	2.60
24	going to a	1.96	today I am	1.43	the weekend I	1.09	these are the	2.60
25	I am playing	1.96	and I like	1.32	when it is	1.09	to see my	2.60

Note. F = frequency.

Appendix 14

25 Most Frequently Occurring Two Word Sequences – School Ages 1-4 with North Carolina and New Zealand Combined [Frequency per 1000 sequences]

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
I like	11.37	1	43.61	3	14.00	1	3.50	12	0.36	328
going to	8.04	2	11.59	6	8.56	2	7.34	2	5.47	2
It was	6.69	3	4.49	17	7.07	4	7.34	3	4.99	4
went to	6.28	4	9.42	9	6.67	6	5.37	4	5.23	3
I see	6.01	5	60.13	1	0.56	170	0.04	7315	*	*
I am	5.96	6	16.37	4	6.74	5	3.84	11	1.34	37
and I	5.53	7	9.13	10	6.57	7	4.29	6	2.80	10
I went	5.52	8	9.71	7	6.30	8	4.17	8	3.53	6
to the	5.09	9	8.11	12	5.57	11	4.25	7	3.53	7
it is	5.01	10	15.21	5	5.74	9	2.72	15	1.22	49

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
see a	4.95	11	50.71	2	0.17	821	0.07	2684	*	*
in the	4.92	12	2.17	42	5.67	10	4.47	5	5.96	1
I love	3.93	13	3.77	21	7.47	3	1.12	70	0.24	670
my mom	3.81	14	4.35	18	4.71	13	3.09	13	2.43	14
on the	3.76	15	2.90	29	4.08	16	4.17	9	1.95	20
I got	3.54	16	3.48	23	4.91	12	2.31	22	2.55	13
I was	3.43	17	1.01	103	3.82	17	4.10	10	1.82	25
am going	3.15	18	7.24	14	3.78	18	2.20	25	0.49	182
and my	3.04	19	1.74	59	4.25	15	2.61	17	1.09	59
I have	2.95	20	4.93	15	3.52	21	2.50	18	0.73	116
is for	2.86	21	*	*	*	*	7.68	1	*	*
we are	2.80	22	3.91	20	3.72	20	2.05	29	0.97	81
then we	2.75	23	0.29	631	4.48	14	1.90	32	1.22	53

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
my dad	2.73	24	2.17	45	3.72	19	2.16	26	1.46	33
to go	2.59	25	3.19	25	2.56	35	2.65	16	2.07	18

Note. F = frequency; R = rank; The * symbol signifies that the word was not used by any children in the School Age group.

Appendix 15

25 Most Frequently Occurring Three Word Sequences – School Ages 1-4 with North Carolina and New Zealand Combined [Frequency per 1000 sequences]

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
I see a	5.98	1	67.81	1	0.12	760	*	*	*	*
I went to	4.79	2	9.94	5	5.77	1	3.17	1	2.75	1
I am going	3.78	3	9.55	6	4.62	2	2.59	2	0.43	69
am going to	3.64	4	8.96	7	4.41	3	2.54	3	0.58	31
went to the	2.71	5	4.68	10	3.34	4	1.83	7	1.88	5
I like to	2.57	6	10.33	4	3.21	5	0.80	23	0.29	220
are going to	2.37	7	2.73	17	3.09	6	2.01	5	0.72	22
we are going	1.89	8	2.92	16	2.56	7	1.47	10	0.14	5791
is going to	1.84	9	2.14	25	1.69	14	2.05	4	1.45	7
I like the	1.81	10	11.50	3	1.69	13	0.27	183	*	*

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
I like my	1.74	11	12.67	2	1.28	18	0.27	182	*	*
we went to	1.52	12	0.78	137	1.24	20	1.87	6	1.88	4
I have a	1.50	13	4.87	9	1.90	11	0.71	29	0.14	2660
I got a	1.46	14	3.12	13	2.27	8	0.54	44	0.43	71
going to be	1.31	15	0.39	257	0.99	33	1.52	8	2.46	3
it was fun	1.23	16	1.56	43	1.32	17	1.21	13	0.72	26
going to have	1.23	17	1.95	32	1.15	23	1.21	12	1.01	12
there was a	1.16	18	0.39	425	1.20	22	0.85	20	2.60	2
me and my	1.12	19	0.39	362	1.65	15	0.98	16	0.29	269
I love my	1.07	20	1.36	49	2.10	9	0.22	241	*	*
going to the	1.07	21	3.51	12	1.03	28	0.71	28	0.58	35
to go to	1.00	22	1.75	38	0.78	47	1.12	14	0.87	20
like to play	1.00	23	3.12	15	1.61	16	0.13	610	0.14	3235

Overall (Countries and School Ages Combined)			SA 1		SA 2		SA 3		SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
it was a	0.99	24	0.58	167	1.11	25	1.03	15	0.72	25
I had a	0.99	25	0.97	72	1.20	21	0.80	22	0.87	16

Note. F = frequency; R = rank; The * symbol signifies that the word was not used by any children in the School Age group.

Appendix 16

25 Most Frequently Occurring Two Word Sequences – North Carolina and

New Zealand with School Ages Combined [Frequency per 1000 sequences]

Overall (Countries and School Ages Combined)			North Carolina		New Zealand	
Sequence	F	R	F	R	F	R
I like	11.37	1	14.63	1	5.03	11
going to	8.04	2	3.84	14	16.23	1
It was	6.69	3	7.37	4	5.36	8
went to	6.28	4	5.33	5	8.14	4
I see	6.01	5	9.01	2	0.16	768
I am	5.96	6	2.75	24	12.22	2
and I	5.53	7	3.67	15	9.16	3
I went	5.52	8	4.30	10	7.89	5
to the	5.09	9	4.26	11	6.70	7
it is	5.01	10	5.06	6	4.91	12
see a	4.95	11	7.45	3	0.08	2300
in the	4.92	12	4.79	8	5.19	10
I love	3.93	13	4.98	7	1.88	41
my mom	3.81	14	4.20	12	3.07	23
on the	3.76	15	3.27	18	4.70	15
I got	3.54	16	2.98	22	4.62	16
I was	3.43	17	4.05	13	2.21	32

Overall (Countries and School Ages Combined)			North Carolina		New Zealand	
Sequence	F	R	F	R	F	R
am going	3.15	18	0.88	95	7.56	6
and my	3.04	19	2.71	25	3.68	20
I have	2.95	20	2.37	26	4.09	17
is for	2.86	21	4.32	9	*	*
we are	2.80	22	1.55	50	5.23	9
then we	2.75	23	3.59	16	1.10	82
my dad	2.73	24	3.07	20	2.08	38
to go	2.59	25	2.98	23	1.84	43

Note. F = frequency; R = rank; The * symbol signifies that the word was not used by any children in the School Age group.

Appendix 17

Frequency and Rank of 25 Most Frequently Occurring Three Word Sequences

Overall –Usage Patterns in North Carolina and New Zealand with School Ages

1-4 Combined [Frequency per 1000 sequences]

Overall (Countries and School Ages Combined)			North Carolina		New Zealand	
Sequence	F	R	F	R	F	R
I see a	5.98	1	9.10	1	0.05	7271
I went to	4.79	2	3.41	3	7.41	3
I am going	3.78	3	1.07	21	8.94	1
am going to	3.64	4	1.01	23	8.64	2
went to the	2.71	5	2.24	6	3.61	6
I like to	2.57	6	3.69	2	0.44	105
are going to	2.37	7	0.86	25	5.23	4
we are going	1.89	8	0.73	31	4.10	5
is going to	1.84	9	1.30	13	2.86	7
I like the	1.81	10	2.50	4	0.49	88
I like my	1.74	11	2.34	5	0.59	67
we went to	1.52	12	1.77	7	1.04	29
I have a	1.50	13	1.12	17	2.22	12
I got a	1.46	14	0.81	28	2.72	9
going to be	1.31	15	1.33	12	1.28	21
it was fun	1.23	16	1.07	22	1.53	16

Overall (Countries and School Ages Combined)			North Carolina		New Zealand	
Sequence	F	R	F	R	F	R
going to have	1.23	17	0.47	65	2.67	10
there was a	1.16	18	1.38	10	0.74	44
me and my	1.12	19	1.35	11	0.69	49
I love my	1.07	20	1.40	9	0.44	106
going to the	1.07	21	0.36	94	2.42	11
to go to	1.00	22	1.01	24	0.99	30
like to play	1.00	23	1.43	8	0.20	375
it was a	0.99	24	1.17	15	0.64	59
I had a	0.99	25	0.70	33	1.53	15

Note. F = frequency; R = rank; The * symbol signifies that the word was not used by any children in the School Age group.

Appendix 18

Frequency and Rank of 25 Most Frequently Occurring Two Word Sequences Overall –Usage Patterns in School

Ages 1-4 in North Carolina [Frequency per 1000 sequences]

Overall (Countries and School Ages Combined)	NC SA 1		NC SA 2		NC SA 3		NC SA 4			
	Sequence	F	R	F	R	F	R	F	R	
I like	11.37	1	87.11	3	18.99	1	3.62	12	0.41	296
going to	8.04	2	0.65	190	3.10	23	4.61	5	5.17	4
It was	6.69	3	1.96	53	7.99	3	8.40	2	5.45	2
went to	6.28	4	0.65	261	5.63	5	5.77	3	5.45	3
I see	6.01	5	134.42	1	0.84	107	0.05	5186	*	*
I am	5.96	6	5.87	13	3.21	21	2.31	22	1.36	39
and I	5.53	7	1.31	75	4.37	13	3.62	11	2.99	9
I went	5.52	8	0.65	199	5.10	10	4.39	6	3.54	6
to the	5.09	9	2.28	44	5.42	9	3.95	9	2.86	11
it is	5.01	10	25.77	4	5.57	6	2.53	19	1.36	42

Overall (Countries and School Ages Combined)			NC SA 1		NC SA 2		NC SA 3		NC SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
see a	4.95	11	113.87	2	0.21	742	0.11	1834	*	*
in the	4.92	12	0.33	587	5.52	7	4.39	7	5.72	1
I love	3.93	13	6.20	11	9.99	2	1.48	46	0.14	2575
my mom	3.81	14	2.94	33	5.42	8	3.79	10	2.59	14
on the	3.76	15	0.98	135	3.42	18	4.17	8	1.63	31
I got	3.54	16	0.33	557	4.21	16	2.25	24	2.72	12
I was	3.43	17	0.33	571	4.84	11	4.78	4	1.77	30
am going	3.15	18	0.65	166	1.21	74	0.71	131	0.54	159
and my	3.04	19	0.65	167	4.21	15	2.20	25	0.95	74
I have	2.95	20	2.28	41	3.00	25	2.47	20	0.54	183
is for	2.86	21	*	*	*	*	11.31	1	*	*
we are	2.80	22	*	*	1.84	48	1.76	38	0.95	90
then we	2.75	23	*	*	6.42	4	2.20	26	1.23	55

Overall (Countries and School Ages Combined)			NC SA 1		NC SA 2		NC SA 3		NC SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
my dad	2.73	24	0.65	224	4.73	12	2.42	21	1.36	43
to go	2.59	25	4.57	18	3.21	22	2.75	17	2.31	18

Note. F = frequency; R = rank; The * symbol signifies that the word was not used by any children in the School Age group.

Appendix 19

Frequency and Rank of 25 Most Frequently Occurring Three Word Sequences Overall – Usage Patterns in School

Ages 1-4 in North Carolina [Frequency per 1000 sequences]

Overall (Countries and School Ages Combined)			NC SA 1		NC SA 2		NC SA 3		NC SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
I see a	5.98	1	167.71	1	0.13	959	*	*	*	*
I went to	4.79	2	0.96	131	4.35	2	3.05	1	2.76	1
I am going	3.78	3	0.96	118	1.52	12	0.86	21	0.49	64
am going to	3.64	4	0.48	219	1.45	13	0.80	25	0.65	26
went to the	2.71	5	*	*	3.23	3	1.79	4	1.62	6
I like to	2.57	6	23.13	4	4.95	1	1.13	15	0.32	193
are going to	2.37	7	*	*	0.59	64	1.26	10	0.81	20
we are going	1.89	8	*	*	0.59	84	1.19	14	0.16	5164
is going to	1.84	9	*	*	0.92	31	1.72	5	1.62	5
I like the	1.81	10	26.51	3	2.51	6	0.20	355	*	*

Overall (Countries and School Ages Combined)			NC SA 1		NC SA 2		NC SA 3		NC SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
I like my	1.74	11	28.43	2	1.65	11	0.40	113	*	*
we went to	1.52	12	*	*	1.45	16	2.19	3	2.11	4
I have a	1.50	13	2.41	37	1.65	10	0.80	28	0.16	2374
I got a	1.46	14	*	*	1.45	14	0.40	110	0.49	66
going to be	1.31	15	*	*	0.73	47	1.59	6	2.59	3
it was fun	1.23	16	0.48	582	0.92	32	1.46	8	0.65	31
going to have	1.23	17	*	*	0.13	820	0.60	46	1.14	8
there was a	1.16	18	*	*	1.19	25	1.19	13	2.76	2
me and my	1.12	19	*	*	2.11	8	1.19	12	0.32	239
I love my	1.07	20	1.45	74	3.04	4	0.33	154	*	*
going to the	1.07	21	0.48	380	0.40	147	0.33	148	0.32	165
to go to	1.00	22	1.93	70	0.86	38	1.06	17	0.97	18
like to play	1.00	23	6.27	10	2.51	7	0.20	390	0.16	2896

Overall (Countries and School Ages Combined)			NC SA 1		NC SA 2		NC SA 3		NC SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
it was a	0.99	24	*	*	1.32	19	1.33	9	0.81	24
I had a	0.99	25	*	*	0.66	56	0.80	27	0.81	23

Note. F = frequency; R = rank; The * symbol signifies that the word was not used by any children in the School Age group.

Appendix 20

Frequency and Rank of 25 Most Frequently Occurring Two Word Sequences Overall – Usage Patterns in School

Ages 1-4 in New Zealand [Frequency per 1000 sequences]

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
I like	11.37	1	8.86	8	5.48	15	3.25	13	*	*
going to	8.04	2	20.33	2	17.89	1	13.10	1	7.97	2
It was	6.69	3	6.52	12	5.48	16	5.10	5	1.14	349
went to	6.28	4	16.42	4	8.45	4	4.52	8	3.42	28
I see	6.01	5	0.78	162	0.09	3004	*	*	*	*
I am	5.96	6	24.76	1	12.77	2	7.07	2	1.14	317
and I	5.53	7	15.38	5	10.34	3	5.68	3	1.14	137
I went	5.52	8	16.94	3	8.36	5	3.71	10	3.42	19
to the	5.09	9	12.77	6	5.84	14	4.87	6	9.11	1
it is	5.01	10	6.78	11	6.02	12	3.13	14	*	*

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
see a	4.95	11	0.26	1608	0.09	4276	*	*	*	*
in the	4.92	12	3.65	25	5.93	13	4.64	7	7.97	3
I love	3.93	13	1.82	57	3.15	29	0.35	396	1.14	324
my mom	3.81	14	5.47	17	3.51	25	1.62	51	1.14	413
on the	3.76	15	4.43	21	5.21	17	4.17	9	4.56	11
I got	3.54	16	5.99	15	6.11	11	2.44	24	1.14	320
I was	3.43	17	1.56	73	2.07	44	2.67	20	2.28	51
am going	3.15	18	12.51	7	8.18	6	5.33	4	*	*
and my	3.04	19	2.61	38	4.32	21	3.48	11	2.28	35
I have	2.95	20	7.04	9	4.41	19	2.55	23	2.28	50
is for	2.86	21	*	*	*	*	*	*	*	*
we are	2.80	22	7.04	10	6.92	8	2.67	21	1.14	691
then we	2.75	23	0.52	395	1.17	88	1.28	69	1.14	609

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
my dad	2.73	24	3.39	29	1.98	47	1.62	50	2.28	56
to go	2.59	25	2.08	53	1.44	69	2.44	27	*	*

Note. F = frequency; R = rank; The * symbol signifies that the word was not used by any children in the School Age group.

Appendix 21

Frequency and Rank of 25 Most Frequently Occurring Three Word Sequences Overall – Usage Patterns in School

Ages 1-4 in New Zealand [Frequency per 1000 sequences]

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
I see a	5.98	1	*	*	0.11	3297	*	*	*	*
I went to	4.79	2	16.03	1	8.12	3	3.41	4	2.60	11
I am going	3.78	3	15.37	2	9.77	1	6.14	2	*	*
am going to	3.64	4	14.72	3	9.33	2	6.14	1	*	*
went to the	2.71	5	7.85	4	3.51	8	1.91	8	3.90	3
I like to	2.57	6	1.64	34	0.33	254	0.14	2844	*	*
are going to	2.37	7	4.58	9	7.24	4	3.55	3	*	*
we are going	1.89	8	4.91	8	5.82	5	2.05	7	*	*
is going to	1.84	9	3.60	11	2.96	9	2.73	5	*	*
I like the	1.81	10	1.31	49	0.33	253	0.41	136	*	*

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
I like my	1.74	11	1.96	26	0.66	81	*	*	*	*
we went to	1.52	12	1.31	67	0.88	55	1.23	19	*	*
I have a	1.50	13	6.54	5	2.30	12	0.55	83	*	*
I got a	1.46	14	5.23	7	3.62	7	0.82	37	*	*
going to be	1.31	15	0.65	149	1.43	23	1.36	13	1.30	254
it was fun	1.23	16	2.29	19	1.98	18	0.68	56	1.30	338
going to have	1.23	17	3.27	12	2.85	10	2.46	6	*	*
there was a	1.16	18	0.65	236	1.21	34	0.14	5150	1.30	591
me and my	1.12	19	0.65	203	0.88	50	0.55	92	*	*
I love my	1.07	20	1.31	50	0.55	112	*	*	*	*
going to the	1.07	21	5.56	6	2.09	15	1.50	11	2.60	8
to go to	1.00	22	1.64	37	0.66	95	1.23	17	*	*
like to play	1.00	23	0.98	90	0.11	3899	*	*	*	*

Overall (Countries and School Ages Combined)			NZ SA 1		NZ SA 2		NZ SA 3		NZ SA 4	
Sequence	F	R	F	R	F	R	F	R	F	R
it was a	0.99	24	0.98	87	0.77	63	0.41	144	*	*
I had a	0.99	25	1.64	33	2.09	16	0.82	39	1.30	296

Note. F = frequency; R = rank; The * symbol signifies that the word was not used by any children in the School Age group.