

## Children 8 to 12 Years - Appendix B

### Frequencies

Statistics								
		Peanut	Tree_Nuts	Eggs	Soy	Dairy	Seafood	Wheat
N	Valid	36	36	21	3	16	7	1
	Missing	13	13	28	46	33	42	48

Statistics						
		Sesame_Seeds	Kiwi_Fruit	Other_Allergens	Multiple_Allergies	Other_Allergies
N	Valid	7	6	10	49	46
	Missing	42	43	39	0	3

Statistics		
		Medic_Alert
N	Valid	46
	Missing	3

### Frequency Table

Peanut					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	36	73.5	100.0	100.0
Missing	System	13	26.5		
Total		49	100.0		

Tree_Nuts					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	36	73.5	100.0	100.0
Missing	System	13	26.5		
Total		49	100.0		

### Eggs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	21	42.9	100.0	100.0
Missing	System	28	57.1		
Total		49	100.0		

### Soy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	3	6.1	100.0	100.0
Missing	System	46	93.9		
Total		49	100.0		

### Dairy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	16	32.7	100.0	100.0
Missing	System	33	67.3		
Total		49	100.0		

### Seafood

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	14.3	100.0	100.0
Missing	System	42	85.7		
Total		49	100.0		

### Wheat

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	1	2.0	100.0	100.0
Missing	System	48	98.0		
Total		49	100.0		

### Sesame Seeds

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	7	14.3	100.0	100.0
Missing	System	42	85.7		
Total		49	100.0		

### Kiwi Fruit

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	6	12.2	100.0	100.0
Missing	System	43	87.8		
Total		49	100.0		

### Other\_Allergens

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes (excluding Sesame seeds and Kiwi)	10	20.4	100.0	100.0
Missing	System	39	79.6		
Total		49	100.0		

### Multiple\_Allergies

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	12	24.5	24.5	24.5
	2	15	30.6	30.6	55.1
	3	3	6.1	6.1	61.2
	4	10	20.4	20.4	81.6
	5	6	12.2	12.2	93.9
	6	2	4.1	4.1	98.0
	7	1	2.0	2.0	100.0
Total		49	100.0	100.0	

### Other\_Allergies

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	17	34.7	37.0	37.0
	Yes	29	59.2	63.0	100.0
	Total	46	93.9	100.0	
Missing	System	3	6.1		
Total		49	100.0		

### Medic\_Alert

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	13	26.5	28.3	28.3
	No	33	67.3	71.7	100.0
	Total	46	93.9	100.0	
Missing	99	3	6.1		
Total		49	100.0		

FREQUENCIES VARIABLES=Gender School  
/ORDER=ANALYSIS.

## Frequency Table

### Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Girl	14	28.6	30.4	30.4
	Boy	32	65.3	69.6	100.0
	Total	46	93.9	100.0	
Missing	System	3	6.1		
Total		49	100.0		

## Test for one proportion calculator

### Observed proportion

Observed proportion (%):

Sample size:

### Null hypothesis value

Null hypothesis value (%):

#### Results

z-statistic	2.659
Significance level	P = 0.0078
95% CI of observed proportion	54.28% to 82.29%

School					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Lower Primary - 4th grade and below	24	49.0	52.2	52.2
	Upper Primary or High School	22	44.9	47.8	100.0
	Total	46	93.9	100.0	
Missing	System	3	6.1		
Total		49	100.0		

## Frequencies

### KSA Miss Friends' Parties

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	29	59.2	64.4	64.4
	Sometimes	9	18.4	20.0	84.4
	Yes	7	14.3	15.6	100.0
	Total	45	91.8	100.0	
Missing	99	4	8.2		
Total		49	100.0		

### Cell Information

Frequency

Gender		Miss_Friends_Parties		
		Yes	Sometimes	No
Boy	Observed	7	6	19
	Expected	19.164	-1.101	13.938
	Pearson Residual	-4.387	.	1.805
Girl	Observed	0	3	10
	Expected	4.834	-.929	9.095
	Pearson Residual	-2.774	.	.547

Link function: Logit.

### KSA Worry Friends Will Make Fun of Me

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	32	65.3	71.1	71.1
	Sometimes	9	18.4	20.0	91.1
	Yes	4	8.2	8.9	100.0
	Total	45	91.8	100.0	
Missing	99	4	8.2		
Total		49	100.0		

### KSA Feel Different to Friends

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	16	32.7	35.6	35.6
	Sometimes	15	30.6	33.3	68.9
	Yes	14	28.6	31.1	100.0
	Total	45	91.8	100.0	
Missing	99	4	8.2		
Total		49	100.0		

CROSSTABS

```

/TABLES=KSA_Feel_Different_to_Friends$BY Report_Teasing
/FORMAT=AVALUE TABLES
/CELLS=COUNT
/COUNT ROUND CELL.

```

### KSA\_Feel\_Different\_to\_Friends \* Report\_Teasing Crosstabulation

Count

		Report_Teasing		Total
		Yes	No	
KSA_Feel_Different_to_Fri ends	No	0	16	16
	Sometimes	1	14	15
	Yes	4	10	14
Total		5	40	45

```

FREQUENCIES VARIABLES=Do_You_Tell_Your_FriendsReport_Teasing
/ORDER=ANALYSIS.

```

### Frequency Table

#### Do You Tell Your Friends About Your Food Allergy

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	49	100.0	100.0	100.0

### Report\_Teasing

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	5	10.2	10.4	10.4
	No	43	87.8	89.6	100.0
	Total	48	98.0	100.0	
Missing	99	1	2.0		
Total		49	100.0		

### KSA Upset Not Able Eat Certain Foods

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	14	28.6	31.1	31.1
	Sometimes	16	32.7	35.6	66.7
	Yes	15	30.6	33.3	100.0
	Total	45	91.8	100.0	
Missing	99	4	8.2		
Total		49	100.0		

### KSA Miss Special Treats

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	10	20.4	22.2	22.2
	Sometimes	19	38.8	42.2	64.4
	Yes	16	32.7	35.6	100.0
	Total	45	91.8	100.0	
Missing	99	4	8.2		
Total		49	100.0		

### KSA Fear Bad Reaction

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	4	8.2	8.9	8.9
	Sometimes	24	49.0	53.3	62.2
	Yes	17	34.7	37.8	100.0
	Total	45	91.8	100.0	
Missing	99	4	8.2		
Total		49	100.0		



## KSA Afraid to Use Adrenaline Auto-Injector

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	14	28.6	31.1	31.1
	Sometimes	15	30.6	33.3	64.4
	Yes	16	32.7	35.6	100.0
	Total	45	91.8	100.0	
Missing	99	4	8.2		
Total		49	100.0		

### NPART TESTS

```

/CHISQUARE=Fear_Bad_ReactionFear_Using_Epi_PenUpset_Cant_Eat_Certain_Food
Worry_Friends_Make_FunFeel_Different_To_FriendsMiss_Birthday_PartiesMis
s_Special_Treats
/EXPECTED=EQUAL
/MISSING ANALYSIS.

```

## NPPar Tests

### Chi-Square Test

#### Fear Bad Reaction

	Observed N	Expected N	Residual
Yes	17	15.0	2.0
Sometimes	24	15.0	9.0
No	4	15.0	-11.0
Total	45		

#### Fear Using Epi\_Pen

	Observed N	Expected N	Residual
Yes	16	15.0	1.0
Sometimes	15	15.0	.0
No	14	15.0	-1.0
Total	45		

### Upset Can't Eat Certain Food

	Observed N	Expected N	Residual
Yes	15	15.0	.0
Sometimes	16	15.0	1.0
No	14	15.0	-1.0
Total	45		

### Worry Friends Make Fun of Me

	Observed N	Expected N	Residual
Yes	4	15.0	-11.0
Sometimes	9	15.0	-6.0
No	32	15.0	17.0
Total	45		

### Feel Different to Friends

	Observed N	Expected N	Residual
Yes	14	15.0	-1.0
Sometimes	15	15.0	.0
No	16	15.0	1.0
Total	45		

### Miss Birthday Parties

	Observed N	Expected N	Residual
Yes	7	15.0	-8.0
Sometimes	9	15.0	-6.0
No	29	15.0	14.0
Total	45		

### Miss Special Events

	Observed N	Expected N	Residual
Yes	16	15.0	1.0
Sometimes	19	15.0	4.0
No	10	15.0	-5.0
Total	45		

**Table 5.1 How Children Perceive Food Allergy**

	Fear Bad Reaction	Fear Using Epi_Pen	Upset Can't Eat Certain Food	Worry Friends Make Fun of Me	Feel Different to Friends
Chi-Square	13.733 <sup>a</sup>	.133 <sup>a</sup>	.133 <sup>a</sup>	29.733 <sup>a</sup>	.133 <sup>a</sup>
df	2	2	2	2	2
Asymp. Sig.	.001	.936	.936	.000	.936

**Table 5.1 How Children Perceive Food Allergy**

	Miss Birthday Parties	Miss Special Events
Chi-Square	19.733 <sup>a</sup>	2.800 <sup>a</sup>
df	2	2
Asymp. Sig.	.000	.247

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 15.0.

## Generalised Linear Models - Upset Not Able to Eat Certain Foods by Gender

```

PLUM KSA_Upset_Not_Able_Eat_Certain_Food BY Gender
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=PARAMETER.
    
```

## PLUM - Ordinal Regression

### Case Processing Summary

		N	Marginal Percentage
KSA_Upset_Not_Able_Eat_Certain_Food	No	14	31.1%
	Sometimes	16	35.6%
	Yes	15	33.3%
Gender	Girl	13	28.9%
	Boy	32	71.1%
Valid		45	100.0%
Missing		4	
Total		49	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	15.558			
Final	13.777	1.781	1	.182

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[KSA_Upset_Not_Able_Eat_Certain_Food = 1]	-1.069	.385	7.710	1	.005
	[KSA_Upset_Not_Able_Eat_Certain_Food = 2]	.468	.353	1.754	1	.185
Location	[Gender=0 - Girls [reference]]	-.798	.617	1.671	1	.196
	[Gender=1]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[KSA_Upset_Not_Able_Eat_Certain_Food = 1]	-1.823	-.314
	[KSA_Upset_Not_Able_Eat_Certain_Food = 2]	-.225	1.161
Location	[Gender=0 - Girls [reference]]	-2.008	.412
	[Gender=1]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

## Generalised Linear Models - Worry Friends Will Make Fun of Me by Gender

```

PLUM KSA_Worry_Friends_Make_Fun_of_M&Y Gender
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=PARAMETER.

```

### PLUM - Ordinal Regression

#### Case Processing Summary

		N	Marginal Percentage
KSA_Worry_Friends_Make_Fun_of_Me	No	32	71.1%
	Sometimes	9	20.0%
	Yes	4	8.9%
Gender	Girl	13	28.9%
	Boy	32	71.1%
Valid		45	100.0%
Missing		4	
Total		49	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	12.181			
Final	11.644	.537	1	.464

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[KSA_Worry_Friends_Make_Fun_of_Me = 1]	.749	.377	3.938	1	.047
	[KSA_Worry_Friends_Make_Fun_of_Me = 2]	2.186	.549	15.863	1	.000
Location	[Gender=0]	-.537	.766	.491	1	.484
	[Gender=1]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[KSA_Worry_Friends_Make_Fun_of_Me = 1]	.009	1.489
	[KSA_Worry_Friends_Make_Fun_of_Me = 2]	1.110	3.262
Location	[Gender=0]	-2.039	.965
	[Gender=1]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

## Generalised Linear Models - Feel Different to Friends by Gender

```

PLUM KSA_Feel_Different_to_FriendsBY Gender
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=PARAMETER.

```

## PLUM - Ordinal Regression

### Case Processing Summary

		N	Marginal Percentage
KSA_Feel_Different_to_Fri ends	No	16	35.6%
	Sometimes	15	33.3%
	Yes	14	31.1%
Gender	Girl	13	28.9%
	Boy	32	71.1%
Valid		45	100.0%
Missing		4	
Total		49	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	15.897			
Final	12.620	3.277	1	.070

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[KSA_Feel_Different_to_Fri ends = 1]	-.952	.379	6.313	1	.012
	[KSA_Feel_Different_to_Fri ends = 2]	.521	.356	2.138	1	.144
Location	[Gender=0]	-1.124	.636	3.123	1	.077
	[Gender=1]	0 <sup>a</sup>	.	.	0	.

## Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[KSA_Feel_Different_to_Friends = 1]	-1.695	-.209
	[KSA_Feel_Different_to_Friends = 2]	-.177	1.220
Location	[Gender=0]	-2.370	.123
	[Gender=1]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

## Generalised Linear Models - Miss Parties by Gender

```

PLUM KSA_Miss_PartiesBY Gender
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=PARAMETER.
  
```

## PLUM - Ordinal Regression

### Case Processing Summary

		N	Marginal Percentage
KSA_Miss_Parties	No	29	64.4%
	Sometimes	9	20.0%
	Yes	7	15.6%
Gender	Girl	13	28.9%
	Boy	32	71.1%
Valid		45	100.0%
Missing		4	
Total		49	



### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	14.964			
Final	12.969	1.996	1	.158

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[KSA_Miss_Parties = 1]	.318	.356	.799	1	.371
	[KSA_Miss_Parties = 2]	1.449	.434	11.134	1	.001
Location	[Gender=0]	-.993	.759	1.712	1	.191
	[Gender=1]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[KSA_Miss_Parties = 1]	-.379	1.016
	[KSA_Miss_Parties = 2]	.598	2.300
Location	[Gender=0]	-2.480	.495
	[Gender=1]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

## Generalised Linear Models - Miss Special Treats by Gender

```

PLUM KSA_Miss_Special_TreatsBY Gender
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=PARAMETER.

```

## PLUM - Ordinal Regression

### Case Processing Summary

		N	Marginal Percentage
KSA_Miss_Special_Treats	No	10	22.2%
	Sometimes	19	42.2%
	Yes	16	35.6%
Gender	Girl	13	28.9%
	Boy	32	71.1%
Valid		45	100.0%
Missing		4	
Total		49	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	14.181			
Final	12.720	1.461	1	.227

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[KSA_Miss_Special_Treats = 1]	-1.502	.423	12.613	1	.000
	[KSA_Miss_Special_Treats = 2]	.396	.352	1.266	1	.260
Location	[Gender=0]	-.741	.620	1.429	1	.232
	[Gender=1]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[KSA_Miss_Special_Treats = 1]	-2.330	-.673
	[KSA_Miss_Special_Treats = 2]	-.293	1.085
Location	[Gender=0]	-1.957	.474
	[Gender=1]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

## Generalised Linear Models - Fear of Bad Reaction by Gender

```
PLUM KSA_Fear_Bad_ReactionBY Gender
/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
/LINK=LOGIT
/PRINT=PARAMETER.
```

### PLUM - Ordinal Regression

#### Case Processing Summary

		N	Marginal Percentage
KSA_Fear_Bad_Reaction	No	4	8.9%
	Sometimes	24	53.3%
	Yes	17	37.8%
Gender	Girl	13	28.9%
	Boy	32	71.1%
Valid		45	100.0%
Missing		4	
Total		49	

#### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	12.872			
Final	12.621	.251	1	.617

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[KSA_Fear_Bad_Reaction = 1]	-2.238	.547	16.751	1	.000
	[KSA_Fear_Bad_Reaction = 2]	.599	.364	2.716	1	.099
Location	[Gender=0]	.314	.640	.240	1	.624
	[Gender=1]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[KSA_Fear_Bad_Reaction = 1]	-3.310	-1.166
	[KSA_Fear_Bad_Reaction = 2]	-.113	1.312
Location	[Gender=0]	-.941	1.568
	[Gender=1]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

## Generalised Linear Models - Afraid to Use Adrenaline Auto-Injector by Gender

```

PLUM KSA_Afraid_to_use_AABY Gender
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=PARAMETER.

```

## PLUM - Ordinal Regression

### Case Processing Summary

		N	Marginal Percentage
KSA_Afraid_to_use_AA	No	14	31.1%
	Sometimes	15	33.3%
	Yes	16	35.6%
Gender	Girl	13	28.9%
	Boy	32	71.1%
Valid		45	100.0%
Missing		4	
Total		49	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	15.224			
Final	14.357	.867	1	.352

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[KSA_Afraid_to_use_AA = 1]	-.632	.359	3.095	1	.079
	[KSA_Afraid_to_use_AA = 2]	.780	.366	4.529	1	.033
Location	[Gender=0]	.551	.613	.811	1	.368
	[Gender=1]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[KSA_Afraid_to_use_AA = 1]	-1.336	.072
	[KSA_Afraid_to_use_AA = 2]	.062	1.497
Location	[Gender=0]	-.649	1.752
	[Gender=1]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

```
CROSSTABS
  /TABLES=KSA_Fear_Bad_ReactionKSA_Afraid_to_use_AAKSA_Upset_Not_Able_Eat_Ce
rtain_Food
  KSA_Worry_Friends_Make_Fun_of_M&KSA_Feel_Different_to_Friends&KSA_Miss_Pa
rties
  KSA_Miss_Special_TreatsBY Gender
/FORMAT=AVALUE TABLES
/STATISTICS=CHISQ
/CELLS=COUNT ROW COLUMN
/COUNT ROUND CELL.
```

## Crosstabs

### KSA Miss Parties by Gender

Chi-Square Tests			
	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3.372 <sup>a</sup>	2	.185
Likelihood Ratio	5.284	2	.071
Linear-by-Linear Association	2.504	1	.114
N of Valid Cases	45		

- a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is 2.02.

### KSA Worry Friends Make Fun of Me by Gender

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1.798 <sup>a</sup>	2	.407
Likelihood Ratio	2.897	2	.235
Linear-by-Linear Association	.936	1	.333
N of Valid Cases	45		

a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is 1.16.

### KSA Feel Different to Friends by Gender

#### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3.209 <sup>a</sup>	2	.201
Likelihood Ratio	3.293	2	.193
Linear-by-Linear Association	3.112	1	.078
N of Valid Cases	45		

a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is 4.04.

### KSA Upset Not Able to Eat Certain Foods by Gender

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2.662 <sup>a</sup>	2	.264
Likelihood Ratio	2.904	2	.234
Linear-by-Linear Association	1.777	1	.183
N of Valid Cases	45		

a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is 4.04.

### KSA Miss Special Treats by Gender

#### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1.469 <sup>a</sup>	2	.480
Likelihood Ratio	1.502	2	.472
Linear-by-Linear Association	1.411	1	.235
N of Valid Cases	45		

a. 2 cells (33.3%) have expected count less than 5. The minimum expected count is 2.89.

### KSA Fear Bad Reaction by Gender



### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1.858 <sup>a</sup>	2	.395
Likelihood Ratio	2.954	2	.228
Linear-by-Linear Association	.427	1	.513
N of Valid Cases	45		

a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is 1.16.

### KSA Afraid to use Adrenaline Auto-Injector by Gender

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2.398 <sup>a</sup>	2	.301
Likelihood Ratio	2.555	2	.279
Linear-by-Linear Association	.934	1	.334
N of Valid Cases	45		

a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is 4.04.

CROSSTABS

/TABLES=KSA\_Worry\_Friends\_Make\_Fun\_of\_M&KSA\_Feel\_Different\_to\_Friends&KSA\_M  
iss\_Parties

KSA\_Miss\_Special\_TreatsKSA\_Upset\_Not\_Able\_Eat\_Certain\_Food&KSA\_Fear\_Bad\_R  
eaction

KSA\_Afraid\_to\_use\_AABY Other\_Allergies

/FORMAT=AVALUE TABLES

/STATISTICS=CHISQ

/CELLS=COUNT ROW COLUMN

/COUNT ROUND CELL.

## Crosstabs

### KSA Worry Friends Make Fun of Me by Other Allergies

Chi-Square Tests			
	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	.464 <sup>a</sup>	2	.793
Likelihood Ratio	.481	2	.786
Linear-by-Linear Association	.453	1	.501
N of Valid Cases	45		

a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is 1.51.

### KSA Feel Different to Friends \* Other Allergies

Chi-Square Tests			
	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3.187 <sup>a</sup>	2	.203
Likelihood Ratio	3.353	2	.187
Linear-by-Linear Association	.215	1	.643
N of Valid Cases	45		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.29.

### KSA Miss Parties by Other Allergies

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1.792 <sup>a</sup>	2	.408
Likelihood Ratio	1.865	2	.394
Linear-by-Linear Association	1.191	1	.275
N of Valid Cases	45		

a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is 2.64.

### KSA Miss Out on Special Treats \* Other Allergies

#### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	.574 <sup>a</sup>	2	.750
Likelihood Ratio	.578	2	.749
Linear-by-Linear Association	.089	1	.766
N of Valid Cases	45		

a. 1 cells (16.7%) have expected count less than 5. The minimum expected count is 3.78.

### KSA Upset Not Able to Eat Certain Foods by Other Allergies

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	.280 <sup>a</sup>	2	.869
Likelihood Ratio	.280	2	.869
Linear-by-Linear Association	.272	1	.602
N of Valid Cases	45		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.29.

### KSA Fear Bad Reaction by Other Allergies

#### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	.915 <sup>a</sup>	2	.633
Likelihood Ratio	.923	2	.630
Linear-by-Linear Association	.881	1	.348
N of Valid Cases	45		

a. 2 cells (33.3%) have expected count less than 5. The minimum expected count is 1.51.

### KSA Afraid to use Adrenaline Auto-Injector by Other Allergies

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5.641 <sup>a</sup>	2	.060
Likelihood Ratio	5.785	2	.055
Linear-by-Linear Association	1.056	1	.304
N of Valid Cases	45		

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.29.

```

PLUM Miss_Friends_PartiesBY Multiple_Allergens
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL

```

## PLUM - Ordinal Regression - Miss Friends' Birthdays by Multiple Allergens

### Case Processing Summary

		N	Marginal Percentage
Miss_Friends_Parties	Yes	7	15.6%
	Sometimes	9	20.0%
	No	29	64.4%
Multiple_Allergens	1 Allergen	10	22.2%
	2-3 Allergens	16	35.6%
	4 or More Allergens	19	42.2%
Valid		45	100.0%
Missing		0	
Total		45	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	17.113			
Final	16.029	1.083	2	.582

Link function: Logit.

### Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	.428	2	.807
Deviance	.426	2	.808

Link function: Logit.

### Pseudo R-Square

Cox and Snell	.024
Nagelkerke	.029
McFadden	.013

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Miss_Friends_Parties = 1]	-1.489	.524	8.063	1	.005
	[Miss_Friends_Parties = 2]	-.373	.459	.659	1	.417
Location	[Multiple_Allergens=1]	-4.871E-10	.769	.000	1	1.000
	[Multiple_Allergens=2]	.691	.725	.907	1	.341
	[Multiple_Allergens=3]	0 <sup>a</sup>	.	.	0	.

## Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Miss_Friends_Parties = 1]	-2.516	-.461
	[Miss_Friends_Parties = 2]	-1.272	.527
Location	[Multiple_Allergens=1]	-1.507	1.507
	[Multiple_Allergens=2]	-.731	2.113
	[Multiple_Allergens=3]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

### Test of Parallel Lines<sup>a</sup>

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	16.029			
General	15.603	.426	2	.808

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Logit.

```

PLUM Friends_Make_Fun_of_MeBY Multiple_Allergens
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL
  
```

## PLUM - Ordinal Regression - Friends' Make Fun of Me by Multiple Allergens

## Case Processing Summary

		N	Marginal Percentage
Friends_Make_Fun_of_Me	Yes	4	8.9%
	Sometimes	9	20.0%
	No	32	71.1%
Multiple_Allergens	1 Allergen	10	22.2%
	2-3 Allergens	16	35.6%
	4 or More Allergens	19	42.2%
Valid		45	100.0%
Missing		0	
Total		45	

## Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	17.169			
Final	14.094	3.075	2	.215

Link function: Logit.

## Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	.892	2	.640
Deviance	1.359	2	.507

Link function: Logit.

## Pseudo R-Square

Cox and Snell	.066
Nagelkerke	.084
McFadden	.044

Link function: Logit.



### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Friends_Make_Fun_of_Me = 1]	-1.785	.588	9.203	1	.002
	[Friends_Make_Fun_of_Me = 2]	-.289	.458	.399	1	.527
Location	[Multiple_Allergens=1]	1.161	.922	1.586	1	.208
	[Multiple_Allergens=2]	1.161	.780	2.216	1	.137
	[Multiple_Allergens=3]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Friends_Make_Fun_of_Me = 1]	-2.938	-.632
	[Friends_Make_Fun_of_Me = 2]	-1.187	.608
Location	[Multiple_Allergens=1]	-.646	2.967
	[Multiple_Allergens=2]	-.368	2.689
	[Multiple_Allergens=3]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

### Test of Parallel Lines<sup>a</sup>

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	14.094			
General	12.735	1.359	2	.507

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```

PLUM Feel_Different_to_FriendsBY Multiple_Allergens
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL
  
```

## PLUM - Ordinal Regression - Feel Different to Friends by Multiple Allergens

### Case Processing Summary

		N	Marginal Percentage
Feel_Different_to_Friends	Yes	14	31.1%
	Sometimes	15	33.3%
	No	16	35.6%
Multiple_Allergens	1 Allergen	10	22.2%
	2-3 Allergens	16	35.6%
	4 or More Allergens	19	42.2%
Valid		45	100.0%
Missing		0	
Total		45	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	19.403			
Final	18.921	.482	2	.786

Link function: Logit.

### Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	1.772	2	.412
Deviance	1.728	2	.422

Link function: Logit.

### Pseudo R-Square

Cox and Snell	.011
Nagelkerke	.012
McFadden	.005

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Feel_Different_to_Friends = 1]	-.580	.447	1.687	1	.194
	[Feel_Different_to_Friends = 2]	.822	.456	3.247	1	.072
Location	[Multiple_Allergens=1]	.322	.720	.200	1	.655
	[Multiple_Allergens=2]	.422	.627	.454	1	.501
	[Multiple_Allergens=3]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Feel_Different_to_Friends = 1]	-1.456	.295
	[Feel_Different_to_Friends = 2]	-.072	1.715
Location	[Multiple_Allergens=1]	-1.089	1.732
	[Multiple_Allergens=2]	-.807	1.651
	[Multiple_Allergens=3]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

### Test of Parallel Lines<sup>a</sup>

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	18.921			
General	17.193	1.728	2	.422

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```

PLUM Get_Upset_Not_Able_to_Eat_Certain_Food BY Multiple_Allergens
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL
  
```

## PLUM - Ordinal Regression - Get Upset Not Able to Eat Certain Foods by Multiple Allergens

### Case Processing Summary

		N	Marginal Percentage
Get_Upset_Not_Able_to_E at_Certain_Foods	Yes	15	33.3%
	Sometimes	16	35.6%
	No	14	31.1%
Multiple_Allergens	1 Allergen	10	22.2%
	2-3 Allergens	16	35.6%
	4 or More Allergens	19	42.2%
Valid		45	100.0%
Missing		0	
Total		45	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	20.651			
Final	20.362	.289	2	.865

Link function: Logit.

### Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	3.177	2	.204
Deviance	3.279	2	.194

Link function: Logit.

### Pseudo R-Square

Cox and Snell	.006
Nagelkerke	.007
McFadden	.003

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Get_Upset_Not_Able_to_E at_Certain_Foods = 1]	-.613	.448	1.872	1	.171
	[Get_Upset_Not_Able_to_E at_Certain_Foods = 2]	.883	.459	3.708	1	.054
Location	[Multiple_Allergens=1]	.343	.720	.226	1	.634
	[Multiple_Allergens=2]	-1.416E-8	.624	.000	1	1.000
	[Multiple_Allergens=3]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Get_Upset_Not_Able_to_E at_Certain_Foods = 1]	-1.490	.265
	[Get_Upset_Not_Able_to_E at_Certain_Foods = 2]	-.016	1.782
Location	[Multiple_Allergens=1]	-1.069	1.755
	[Multiple_Allergens=2]	-1.223	1.223
	[Multiple_Allergens=3]	.	.

Link function: Logit.

- a. This parameter is set to zero because it is redundant.

### Test of Parallel Lines<sup>a</sup>

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	20.362			
General	17.082	3.279	2	.194

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

- a. Link function: Logit.

```

PLUM Miss_Special_TreatsBY Multiple_Allergens
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL
  
```

## PLUM - Ordinal Regression - Miss Special Treats by Multiple Allergens

### Case Processing Summary

		N	Marginal Percentage
Miss_Special_Treats	Yes	16	35.6%
	Sometimes	19	42.2%
	No	10	22.2%
Multiple_Allergens	1 Allergen	10	22.2%
	2-3 Allergens	16	35.6%
	4 or More Allergens	19	42.2%
Valid		45	100.0%
Missing		0	
Total		45	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	19.386			
Final	18.964	.422	2	.810

Link function: Logit.

### Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	1.949	2	.377
Deviance	1.961	2	.375

Link function: Logit.

### Pseudo R-Square

Cox and Snell	.009
Nagelkerke	.011
McFadden	.004

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Miss_Special_Treats = 1]	-.390	.445	.770	1	.380
	[Miss_Special_Treats = 2]	1.471	.499	8.688	1	.003
Location	[Multiple_Allergens=1]	.269	.728	.136	1	.712
	[Multiple_Allergens=2]	.399	.633	.397	1	.529
	[Multiple_Allergens=3]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Miss_Special_Treats = 1]	-1.262	.481
	[Miss_Special_Treats = 2]	.493	2.449
Location	[Multiple_Allergens=1]	-1.158	1.695
	[Multiple_Allergens=2]	-.843	1.641
	[Multiple_Allergens=3]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

### Test of Parallel Lines<sup>a</sup>

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	18.964			
General	17.003	1.961	2	.375

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```

PLUM Bad_Reaction BY Multiple_Allergens
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL

```

## PLUM - Ordinal Regression - Fear Bad Reaction by Multiple Allergens

### Case Processing Summary

		N	Marginal Percentage
Bad_Reaction	Yes	17	37.8%
	Sometimes	24	53.3%
	No	4	8.9%
Multiple_Allergens	1 Allergen	10	22.2%
	2-3 Allergens	16	35.6%
	4 or More Allergens	19	42.2%
Valid		45	100.0%
Missing		0	
Total		45	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	18.512			
Final	15.138	3.375	2	.185

Link function: Logit.

### Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	.912	2	.634
Deviance	1.339	2	.512

Link function: Logit.

### Pseudo R-Square

Cox and Snell	.072
Nagelkerke	.086
McFadden	.041

Link function: Logit.



### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Bad_Reaction = 1]	-.293	.453	.418	1	.518
	[Bad_Reaction = 2]	2.703	.672	16.201	1	.000
Location	[Multiple_Allergens=1]	-.381	.767	.247	1	.619
	[Multiple_Allergens=2]	.987	.694	2.023	1	.155
	[Multiple_Allergens=3]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Bad_Reaction = 1]	-1.182	.595
	[Bad_Reaction = 2]	1.387	4.020
Location	[Multiple_Allergens=1]	-1.883	1.122
	[Multiple_Allergens=2]	-.373	2.347
	[Multiple_Allergens=3]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

### Test of Parallel Lines<sup>a</sup>

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	15.138			
General	13.799	1.339	2	.512

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

```

PLUM Afraid_of_Auto_InjectorBY Multiple_Allergens
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL

```

## PLUM - Ordinal Regression - Afraid of Adrenaline Auto-Injector by Multiple Allergens

### Case Processing Summary

		N	Marginal Percentage
Afraid_of_Auto_Injector	Yes	16	35.6%
	Sometimes	15	33.3%
	No	14	31.1%
Multiple_Allergens	1 Allergen	10	22.2%
	2-3 Allergens	16	35.6%
	4 or More Allergens	19	42.2%
Valid		45	100.0%
Missing		0	
Total		45	

### Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	29.477			
Final	23.650	5.827	2	.054

Link function: Logit.

### Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	7.662	2	.022
Deviance	7.664	2	.022

Link function: Logit.

### Pseudo R-Square

Cox and Snell	.121
Nagelkerke	.137
McFadden	.059

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Afraid_of_Auto_Injector = 1]	.087	.447	.038	1	.845
	[Afraid_of_Auto_Injector = 2]	1.635	.518	9.980	1	.002
Location	[Multiple_Allergens=1]	.675	.732	.849	1	.357
	[Multiple_Allergens=2]	1.613	.669	5.811	1	.016
	[Multiple_Allergens=3]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Afraid_of_Auto_Injector = 1]	-.788	.962
	[Afraid_of_Auto_Injector = 2]	.621	2.650
Location	[Multiple_Allergens=1]	-.761	2.110
	[Multiple_Allergens=2]	.302	2.925
	[Multiple_Allergens=3]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

### Test of Parallel Lines<sup>a</sup>

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	23.650			
General	15.986	7.664	2	.022

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

CROSSTABS

/TABLES=KSA\_Worry\_Friends\_Make\_Fun\_of\_M&KSA\_Feel\_Different\_to\_Friends&KSA\_Miss\_Parties

KSA\_Miss\_Special\_Treats&KSA\_Upset\_Not\_Able\_Eat\_Certain\_Food&KSA\_Fear\_Bad\_Reaction

KSA\_Afraid\_to\_use\_AABY Number\_of\_Allergens  
 /FORMAT=AVALUE TABLES  
 /STATISTICS=CHISQ  
 /CELLS=COUNT ROW COLUMN  
 /COUNT ROUND CELL.

## KSA Worry Friends Make Fun of Me by Number of Allergens

### Crosstab

			Number_of_Allergens	
			One Allergen	Two to Three Allergens
KSA_Worry_Friends_Make_Fun_of_Me	No	Count	8	13
		% within KSA_Worry_Friends_Make_Fun_of_Me	25.0%	40.6%
		% within Number_of_Allergens	80.0%	81.3%
	Sometimes	Count	2	2
		% within KSA_Worry_Friends_Make_Fun_of_Me	22.2%	22.2%
		% within Number_of_Allergens	20.0%	12.5%
	Yes	Count	0	1
		% within KSA_Worry_Friends_Make_Fun_of_Me	0.0%	25.0%
		% within Number_of_Allergens	0.0%	6.3%
Total	Count	10	16	
	% within KSA_Worry_Friends_Make_Fun_of_Me	22.2%	35.6%	
	% within Number_of_Allergens	100.0%	100.0%	

## Crosstab

			Number_of_Aller...	
			Four or More Allergens	Total
KSA_Worry_Friends_Make_Fun_of_Me	No	Count	11	32
		% within KSA_Worry_Friends_Make_Fun_of_Me	34.4%	100.0%
		% within Number_of_Allergens	57.9%	71.1%
	Sometimes	Count	5	9
		% within KSA_Worry_Friends_Make_Fun_of_Me	55.6%	100.0%
		% within Number_of_Allergens	26.3%	20.0%
	Yes	Count	3	4
		% within KSA_Worry_Friends_Make_Fun_of_Me	75.0%	100.0%
		% within Number_of_Allergens	15.8%	8.9%
Total	Count	19	45	
	% within KSA_Worry_Friends_Make_Fun_of_Me	42.2%	100.0%	
	% within Number_of_Allergens	100.0%	100.0%	

## Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3.670 <sup>a</sup>	4	.452
Likelihood Ratio	4.434	4	.350
Linear-by-Linear Association	2.731	1	.098
N of Valid Cases	45		

a. 6 cells (66.7%) have expected count less than 5. The minimum expected count is .89.

## KSA Feel Different to Friends by Number of Allergens

### Crosstab

			Number_of_Allergens	
			One Allergen	Two to Three Allergens
KSA_Feel_Different_to_Friends	No	Count	3	7
		% within KSA_Feel_Different_to_Friends	18.8%	43.8%
		% within Number_of_Allergens	30.0%	43.8%
	Sometimes	Count	5	4
		% within KSA_Feel_Different_to_Friends	33.3%	26.7%
		% within Number_of_Allergens	50.0%	25.0%
	Yes	Count	2	5
		% within KSA_Feel_Different_to_Friends	14.3%	35.7%
		% within Number_of_Allergens	20.0%	31.3%
Total	Count	10	16	
	% within KSA_Feel_Different_to_Friends	22.2%	35.6%	
	% within Number_of_Allergens	100.0%	100.0%	

## Crosstab

			Number_of_Aller...	
			Four or More Allergens	Total
KSA_Feel_Different_to_Fri ends	No	Count	6	16
		% within KSA_Feel_Different_to_Fri ends	37.5%	100.0%
		% within Number_of_Allergens	31.6%	35.6%
	Sometimes	Count	6	15
		% within KSA_Feel_Different_to_Fri ends	40.0%	100.0%
		% within Number_of_Allergens	31.6%	33.3%
	Yes	Count	7	14
		% within KSA_Feel_Different_to_Fri ends	50.0%	100.0%
		% within Number_of_Allergens	36.8%	31.1%
Total	Count	19	45	
	% within KSA_Feel_Different_to_Fri ends	42.2%	100.0%	
	% within Number_of_Allergens	100.0%	100.0%	

## Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2.255 <sup>a</sup>	4	.689
Likelihood Ratio	2.210	4	.697
Linear-by-Linear Association	.312	1	.577
N of Valid Cases	45		

a. 4 cells (44.4%) have expected count less than 5. The minimum expected count is 3.11.

## KSA Miss Parties by Number of Allergens

### Crosstab

			Number_of_Allergens	
			One Allergen	Two to Three Allergens
KSA_Miss_Parties	No	Count	6	12
		% within KSA_Miss_Parties	20.7%	41.4%
		% within Number_of_Allergens	60.0%	75.0%
	Sometimes	Count	2	2
		% within KSA_Miss_Parties	22.2%	22.2%
		% within Number_of_Allergens	20.0%	12.5%
	Yes	Count	2	2
		% within KSA_Miss_Parties	28.6%	28.6%
		% within Number_of_Allergens	20.0%	12.5%
Total	Count	10	16	
	% within KSA_Miss_Parties	22.2%	35.6%	
	% within Number_of_Allergens	100.0%	100.0%	



## Crosstab

		Number_of_Aller...		
			Four or More Allergens	Total
KSA_Miss_Parties	No	Count	11	29
		% within KSA_Miss_Parties	37.9%	100.0%
		% within Number_of_Allergens	57.9%	64.4%
	Sometimes	Count	5	9
		% within KSA_Miss_Parties	55.6%	100.0%
		% within Number_of_Allergens	26.3%	20.0%
	Yes	Count	3	7
		% within KSA_Miss_Parties	42.9%	100.0%
		% within Number_of_Allergens	15.8%	15.6%
Total		Count	19	45
		% within KSA_Miss_Parties	42.2%	100.0%
		% within Number_of_Allergens	100.0%	100.0%

## Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1.486 <sup>a</sup>	4	.829
Likelihood Ratio	1.509	4	.825
Linear-by-Linear Association	.010	1	.919
N of Valid Cases	45		

a. 6 cells (66.7%) have expected count less than 5. The minimum expected count is 1.56.

## KSA Miss Special Treats by Number of Allergens

## Crosstab

			Number_of_Allergens	
			One Allergen	Two to Three Allergens
KSA_Miss_Special_Treats	No	Count	3	3
		% within KSA_Miss_Special_Treats	30.0%	30.0%
		% within Number_of_Allergens	30.0%	18.8%
	Sometimes	Count	3	9
		% within KSA_Miss_Special_Treats	15.8%	47.4%
		% within Number_of_Allergens	30.0%	56.3%
	Yes	Count	4	4
		% within KSA_Miss_Special_Treats	25.0%	25.0%
		% within Number_of_Allergens	40.0%	25.0%
Total	Count	10	16	
	% within KSA_Miss_Special_Treats	22.2%	35.6%	
	% within Number_of_Allergens	100.0%	100.0%	

## Crosstab

			Number_of_Aller...	
			Four or More Allergens	Total
KSA_Miss_Special_Treats	No	Count	4	10
		% within KSA_Miss_Special_Treats	40.0%	100.0%
		% within Number_of_Allergens	21.1%	22.2%
	Sometimes	Count	7	19
		% within KSA_Miss_Special_Treats	36.8%	100.0%
		% within Number_of_Allergens	36.8%	42.2%
	Yes	Count	8	16
		% within KSA_Miss_Special_Treats	50.0%	100.0%
		% within Number_of_Allergens	42.1%	35.6%
Total	Count	19	45	
	% within KSA_Miss_Special_Treats	42.2%	100.0%	
	% within Number_of_Allergens	100.0%	100.0%	

## Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2.387 <sup>a</sup>	4	.665
Likelihood Ratio	2.383	4	.666
Linear-by-Linear Association	.208	1	.648
N of Valid Cases	45		

a. 5 cells (55.6%) have expected count less than 5. The minimum expected count is 2.22.

## KSA Upset Not Able to Eat Certain Food by Number of Allergens

### Crosstab

			Number_of_Allergens	
			One Allergen	Two to Three Allergens
KSA_Upset_Not_Able_Eat_Certain_Food	No	Count	3	4
		% within KSA_Upset_Not_Able_Eat_Certain_Food	21.4%	28.6%
		% within Number_of_Allergens	30.0%	25.0%
	Sometimes	Count	5	7
		% within KSA_Upset_Not_Able_Eat_Certain_Food	31.3%	43.8%
		% within Number_of_Allergens	50.0%	43.8%
	Yes	Count	2	5
		% within KSA_Upset_Not_Able_Eat_Certain_Food	13.3%	33.3%
		% within Number_of_Allergens	20.0%	31.3%
Total	Count	10	16	
	% within KSA_Upset_Not_Able_Eat_Certain_Food	22.2%	35.6%	
	% within Number_of_Allergens	100.0%	100.0%	

### Crosstab

			Number_of_Aller...	
			Four or More Allergens	Total
KSA_Upset_Not_Able_Eat_Certain_Food	No	Count	7	14
		% within KSA_Upset_Not_Able_Eat_Certain_Food	50.0%	100.0%
		% within Number_of_Allergens	36.8%	31.1%
	Sometimes	Count	4	16
		% within KSA_Upset_Not_Able_Eat_Certain_Food	25.0%	100.0%
		% within Number_of_Allergens	21.1%	35.6%
	Yes	Count	8	15
		% within KSA_Upset_Not_Able_Eat_Certain_Food	53.3%	100.0%
		% within Number_of_Allergens	42.1%	33.3%
Total	Count	19	45	
	% within KSA_Upset_Not_Able_Eat_Certain_Food	42.2%	100.0%	
	% within Number_of_Allergens	100.0%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3.402 <sup>a</sup>	4	.493
Likelihood Ratio	3.569	4	.468
Linear-by-Linear Association	.181	1	.671
N of Valid Cases	45		

a. 4 cells (44.4%) have expected count less than 5. The minimum expected count is 3.11.

## KSA Fear Bad Reaction by Number of Allergens

### Crosstab

			Number_of_Allergens	
			One Allergen	Two to Three Allergens
KSA_Fear_Bad_Reaction	No	Count	0	3
		% within KSA_Fear_Bad_Reaction	0.0%	75.0%
		% within Number_of_Allergens	0.0%	18.8%
	Sometimes	Count	5	9
		% within KSA_Fear_Bad_Reaction	20.8%	37.5%
		% within Number_of_Allergens	50.0%	56.3%
	Yes	Count	5	4
		% within KSA_Fear_Bad_Reaction	29.4%	23.5%
		% within Number_of_Allergens	50.0%	25.0%
Total	Count	10	16	
	% within KSA_Fear_Bad_Reaction	22.2%	35.6%	
	% within Number_of_Allergens	100.0%	100.0%	

## Crosstab

		Number_of_Aller...		
			Four or More Allergens	Total
KSA_Fear_Bad_Reaction	No	Count	1	4
		% within KSA_Fear_Bad_Reaction	25.0%	100.0%
		% within Number_of_Allergens	5.3%	8.9%
	Sometimes	Count	10	24
		% within KSA_Fear_Bad_Reaction	41.7%	100.0%
		% within Number_of_Allergens	52.6%	53.3%
	Yes	Count	8	17
		% within KSA_Fear_Bad_Reaction	47.1%	100.0%
		% within Number_of_Allergens	42.1%	37.8%
Total		Count	19	45
		% within KSA_Fear_Bad_Reaction	42.2%	100.0%
		% within Number_of_Allergens	100.0%	100.0%

## Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4.149 <sup>a</sup>	4	.386
Likelihood Ratio	4.714	4	.318
Linear-by-Linear Association	.034	1	.854
N of Valid Cases	45		

a. 4 cells (44.4%) have expected count less than 5. The minimum expected count is .89.

## KSA Afraid to use Auto-Injector by Number of Allergens

## Crosstab

			Number_of_Allergens	
			One Allergen	Two to Three Allergens
KSA_Afraid_to_use_AA	No	Count	1	8
		% within KSA_Afraid_to_use_AA	7.1%	57.1%
		% within Number_of_Allergens	10.0%	50.0%
	Sometimes	Count	7	5
		% within KSA_Afraid_to_use_AA	46.7%	33.3%
		% within Number_of_Allergens	70.0%	31.3%
	Yes	Count	2	3
		% within KSA_Afraid_to_use_AA	12.5%	18.8%
		% within Number_of_Allergens	20.0%	18.8%
Total	Count	10	16	
	% within KSA_Afraid_to_use_AA	22.2%	35.6%	
	% within Number_of_Allergens	100.0%	100.0%	



## Crosstab

		Number_of_Aller...		
			Four or More Allergens	Total
KSA_Afraid_to_use_AA	No	Count	5	14
		% within KSA_Afraid_to_use_AA	35.7%	100.0%
		% within Number_of_Allergens	26.3%	31.1%
	Sometimes	Count	3	15
		% within KSA_Afraid_to_use_AA	20.0%	100.0%
		% within Number_of_Allergens	15.8%	33.3%
	Yes	Count	11	16
		% within KSA_Afraid_to_use_AA	68.8%	100.0%
		% within Number_of_Allergens	57.9%	35.6%
Total	Count	19	45	
	% within KSA_Afraid_to_use_AA	42.2%	100.0%	
	% within Number_of_Allergens	100.0%	100.0%	

## Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	13.835 <sup>a</sup>	4	.008
Likelihood Ratio	13.491	4	.009
Linear-by-Linear Association	1.144	1	.285
N of Valid Cases	45		

a. 4 cells (44.4%) have expected count less than 5. The minimum expected count is 3.11.

\*Nonparametric Tests: Independent Samples.

NPTESTS

/INDEPENDENT TEST (Cant\_Eat\_Certain\_FoodCant\_Try\_New\_FoodHaving\_To\_Be\_Care

```

ful_All_The_Time GROUP (School) MANN_WHITNEY
/MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE
/CRITERIA ALPHA=0.05 CILEVEL=95.

```

## Nonparametric Tests

### Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of Cant_Eat_Certain_Food is the same across categories of School.	Independent-Samples Mann-Whitney U Test	.097	Retain the null hypothesis.
2	The distribution of Cant_Try_New_Food is the same across categories of School.	Independent-Samples Mann-Whitney U Test	.210	Retain the null hypothesis.
3	The distribution of Having_To_Be_Careful_All_The_Time is the same across categories of School.	Independent-Samples Mann-Whitney U Test	.210	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

#### NPAR TESTS

```

/M-W= Having_To_Be_Careful_All_The_TimeCant_Eat_Certain_FoodCant_Try_New_F
ood BY School(0 1)
/MISSING ANALYSIS.

```

## NPar Tests

### Mann-Whitney Test

## Ranks

	School	N	Mean Rank	Sum of Ranks
Having_To_Be_Careful_All_The_Time	Lower Primary - 4th grade and below	24	21.75	522.00
	Upper Primary or High School	21	24.43	513.00
	Total	45		
Cant_Eat_Certain_Food	Lower Primary - 4th grade and below	24	21.69	520.50
	Upper Primary or High School	21	24.50	514.50
	Total	45		
Cant_Try_New_Food	Lower Primary - 4th grade and below	24	21.13	507.00
	Upper Primary or High School	21	25.14	528.00
	Total	45		

## Test Statistics<sup>a</sup>

	Having_To_Be_Careful_All_The_Time	Cant_Eat_Certain_Food	Cant_Try_New_Food
Mann-Whitney U	222.000	220.500	207.000
Wilcoxon W	522.000	520.500	507.000
Z	-1.254	-1.658	-1.254
Asymp. Sig. (2-tailed)	.210	.097	.210

a. Grouping Variable: School

**Where  $r = z/\sqrt{N}$**

RELIABILITY

/VARIABLES=KSA\_Fear\_Bad\_ReactionKSA\_Afraid\_to\_use\_AAKSA\_Upset\_Not\_Able\_Eat\_Certain\_Food

KSA\_Worry\_Friends\_Make\_Fun\_of\_M&KSA\_Feel\_Different\_to\_FriendsKSA\_Miss\_Parties

KSA\_Miss\_Special\_Treats

```

/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA.

```

## Reliability

### Scale: ALL VARIABLES

#### Case Processing Summary

		N	%
Cases	Valid	45	91.8
	Excluded <sup>a</sup>	4	8.2
	Total	49	100.0

a. Listwise deletion based on all variables in the procedure.

#### Reliability Statistics

Cronbach's Alpha	N of Items
.696	7

```

DATASET ACTIVATE DataSet1.
GET
  FILE='E:\Children_what_they_dont_like.sav'
DATASET NAME DataSet3 WINDOW=FRONT.
DATASET ACTIVATE DataSet1.
DATASET CLOSE DataSet3.
GET
  FILE='E:\Children_what_they_dont_like.sav'
DATASET NAME DataSet4 WINDOW=FRONT.
* Value Labels.
VALUE LABELS Carry_Epi_pen0 "Safe_Sensible" 1 "Annoyed_Different" 2 "Not Need
ed" 3 "Too Young "+
  "to Carry - With Adult" 4 "Other".
VALUE LABELS Carrying_Epi_pen0 "Not Selected" 1 "Annoyed_Different".
VALUE LABELS Cant_Eat_Certain_Food0 "Not Selected" 1 "Annoyed_Different".
VALUE LABELS Cant_Try_New_Food0 "Not Selected" 1 "Annoyed_Different".
VALUE LABELS Having_To_Be_Careful_All_The_Tim0 "Not Selected" 1 "Annoyed_Dif
ferent".
VALUE LABELS Going_To_Hospital0 "Not Selected" 1 "Annoyed_Different".

```

```

VALUE LABELS Medical_Tests 0 "Not Selected" 1 "Annoyed_Different".
VALUE LABELS Going_To_Doctors 0 "Not Selected" 1 "Annoyed_Different".
VALUE LABELS Mum_Dad_Fussing_All_The_Time 0 "Not Selected" 1 "Annoyed_Different".
* Define Multiple Response Sets.
MRSETS
  /MDGROUP NAME=$Like_Dislike CATEGORYLABELS=VARLABELS VARIABLES=Carrying_Epi_pen
  Cant_Eat_Certain_FoodCant_Try_New_FoodHaving_To_Be_Careful_All_The_Time
  Going_To_Hospital
  Medical_Tests Going_To_DoctorsMum_Dad_Fussing_All_The_TimeVALUE=1
  /DISPLAY NAME=[$Like_Dislike].

```

## Multiple Response Set

```

MULT RESPONSE GROUPS=$Likes_Dislikes_8to12 (carrying_epi_pencant_eat_certain_food
  cant_try_new_foodhaving_to_be_careful_all_the_timegoing_to_hospitalmedical_tests
  going_to_doctorsmum_dad_fussing_all_the_time(1))
/FREQUENCIES=$Likes_Dislikes_8to12.

```

## Multiple Response

Case Summary						
	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
\$Likes_Dislikes_8to12 <sup>a</sup>	45	91.8%	4	8.2%	49	100.0%

a. Dichotomy group tabulated at value 1.

### Multiple Response Sets

Name	Coded As	Counted Value	Data Type	Elementary Variables
\$Like_Dislike	Dichotomies	1	Numeric	Carrying_Epi_pen  Cant_Eat_Certain_Food  Cant_Try_New_Food  Having_To_Be_Careful_All_The_Time  Going_To_Hospital  Medical_Test S...

**Table 5.4 \$Likes\_Dislikes\_8to12 Frequencies**

		Responses		Percent of Cases
		N	Percent	
\$Likes_Dislikes_8to12 <sup>a</sup>	Carrying_Epi_pen	12	7.3%	26.7%
	Cant_Eat_Certain_Food	42	25.6%	93.3%
	Cant_Try_New_Food	30	18.3%	66.7%
	Having_To_Be_Careful_All_The_Time	40	24.4%	88.9%
	Going_To_Hospital	9	5.5%	20.0%
	Medical_Tests	15	9.1%	33.3%
	Going_To_Doctors	4	2.4%	8.9%
	Mum_Dad_Fussing_All_The_Time	12	7.3%	26.7%
<b>Total</b>		<b>164</b>	<b>100.0%</b>	<b>364.4%</b>

a. Dichotomy group tabulated at value 1.

CROSSTABS

/TABLES=Mum\_Dad\_Fussing\_All\_The\_TimeBY KSA\_Feel\_Different\_to\_Friends

/FORMAT=AVALUE TABLES

/CELLS=COUNT

/COUNT ROUND CELL.

## Crosstabs

### Mum\_Dad\_Fussing\_All\_The\_Time \* KSA\_Feel\_Different\_to\_Friends Crosstabulation

Count		KSA_Feel_Different_to_Friends			Total
		No	Sometimes	Yes	
Mum_Dad_Fussing_All_The_Time	Not Selected	10	12	11	33
	Annoyed_Different	6	3	3	12
Total		16	15	14	45

MULT RESPONSE GROUPS=\$Likes\_Dislikes\_8to12 (Carrying\_Epi\_penCant\_Eat\_Certain\_Food

Cant\_Try\_New\_FoodHaving\_To\_Be\_Careful\_All\_The\_TimeGoing\_To\_HospitalMedi cal\_Tests

Going\_To\_DoctorsMum\_Dad\_Fussing\_All\_The\_Time(1))

/VARIABLES=Gender(0 1)

/TABLES=\$Likes\_Dislikes\_8to12 BY Gender

/CELLS=ROW COLUMN TOTAL

/BASE=CASES

/MISSING=MDGROUP.

## Multiple Response

### Case Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
\$Likes_Dislikes_8to12*Gender	45	91.8%	4	8.2%	49	100.0%

**Table 5.4 Likes - Dislikes by Gender Crosstabulation**

			Gender	
			Girl	Boy
\$Likes_Dislikes_8to12 <sup>a</sup>	Carrying_Epi_pen	Count	4	8
		% within \$Likes_Dislikes_8to12	33.3%	66.7%
		% within Gender	30.8%	25.0%
		% of Total	8.9%	17.8%
	Cant_Eat_Certain_Food	Count	11	31
		% within \$Likes_Dislikes_8to12	26.2%	73.8%
		% within Gender	84.6%	96.9%
		% of Total	24.4%	68.9%
	Cant_Try_New_Food	Count	8	22
		% within \$Likes_Dislikes_8to12	26.7%	73.3%
		% within Gender	61.5%	68.8%
		% of Total	17.8%	48.9%
	Having_To_Be_Careful_All_The_Time	Count	10	30
		% within \$Likes_Dislikes_8to12	25.0%	75.0%
		% within Gender	76.9%	93.8%
		% of Total	22.2%	66.7%
	Going_To_Hospital	Count	5	4
		% within \$Likes_Dislikes_8to12	55.6%	44.4%
		% within Gender	38.5%	12.5%
		% of Total	11.1%	8.9%
Medical_Tests	Count	5	10	
	% within \$Likes_Dislikes_8to12	33.3%	66.7%	
	% within Gender	38.5%	31.3%	
	% of Total	11.1%	22.2%	
Going_To_Doctors	Count	1	3	
	% within \$Likes_Dislikes_8to12	25.0%	75.0%	
	% within Gender	7.7%	9.4%	
	% of Total	2.2%	6.7%	



**Table 5.4 Likes - Dislikes by Gender Crosstabulation**

			Total
\$Likes_Dislikes_8to12 <sup>a</sup>	Carrying_Epi_pen	Count	12
		% within \$Likes_Dislikes_8to12	
		% within Gender	
		% of Total	26.7%
	Cant_Eat_Certain_Food	Count	42
		% within \$Likes_Dislikes_8to12	
		% within Gender	
		% of Total	93.3%
	Cant_Try_New_Food	Count	30
		% within \$Likes_Dislikes_8to12	
		% within Gender	
		% of Total	66.7%
Having_To_Be_Careful_All_The_Time	Count	40	
	% within \$Likes_Dislikes_8to12		
	% within Gender		
	% of Total	88.9%	
Going_To_Hospital	Count	9	
	% within \$Likes_Dislikes_8to12		
	% within Gender		
	% of Total	20.0%	
Medical_Tests	Count	15	
	% within \$Likes_Dislikes_8to12		
	% within Gender		
	% of Total	33.3%	
Going_To_Doctors	Count	4	
	% within \$Likes_Dislikes_8to12		
	% within Gender		
	% of Total	8.9%	

**Table 5.4 Likes - Dislikes by Gender Crosstabulation**

		Gender	
		Girl	Boy
Mum_Dad_Fussing_All_The_Time	Count	3	9
	% within \$Likes_Dislikes_8to12	25.0%	75.0%
	% within Gender	23.1%	28.1%
	% of Total	6.7%	20.0%
Total	Count	13	32
	% of Total	28.9%	71.1%

**Table 5.4 Likes - Dislikes by Gender Crosstabulation**

		Total
Mum_Dad_Fussing_All_The_Time	Count	12
	% within \$Likes_Dislikes_8to12	
	% within Gender	
	% of Total	26.7%
Total	Count	45
	% of Total	100.0%

Percentages and totals are based on respondents.

a. Dichotomy group tabulated at value 1.

NPAR TESTS

/M-W= KSA\_Feel\_Different\_to\_FriendsMum\_Dad\_Fussing\_All\_The\_TimeBY School(0 1)

/MISSING ANALYSIS.

## NPar Tests

## Mann-Whitney Test

## Ranks

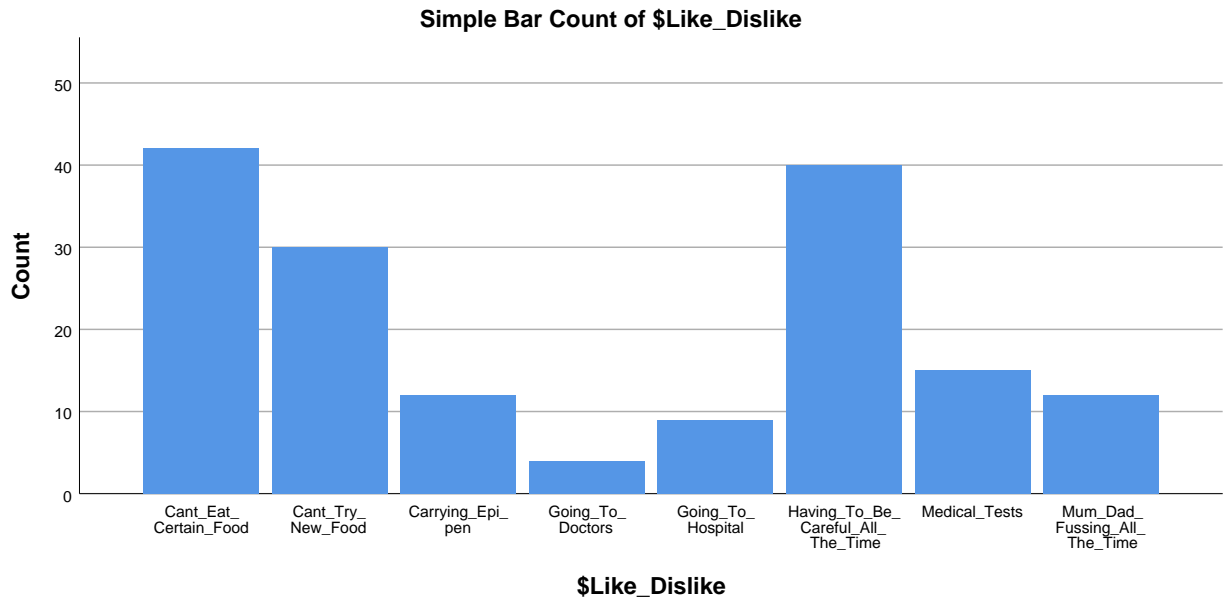
	School	N	Mean Rank	Sum of Ranks
KSA_Feel_Different_to_Friends	Lower Primary - 4th grade and below	24	26.17	628.00
	Upper Primary or High School	21	19.38	407.00
	Total	45		
Mum_Dad_Fussing_All_The_Time	Lower Primary - 4th grade and below	24	20.75	498.00
	Upper Primary or High School	21	25.57	537.00
	Total	45		

## Test Statistics<sup>a</sup>

	KSA_Feel_Different_to_Friends	Mum_Dad_Fussing_All_The_Time
Mann-Whitney U	176.000	198.000
Wilcoxon W	407.000	498.000
Z	-1.835	-1.604
Asymp. Sig. (2-tailed)	.067	.109

a. Grouping Variable: School

## GGraph



Filtered by Gender variable

\* Chart Builder.

GGRAPH

```
/GRAPHDATASET NAME="graphdataset" VARIABLES=$Like_Dislike(name="_Like_Dislike")
```

```
COUNT()[name="COUNT"] Gender MISSING=LISTWISE REPORTMISSING=NO
```

```
/GRAPHSPEC SOURCE=INLINE.
```

BEGIN GPL

```
SOURCE: s=userSource(id("graphdataset"))
```

```
DATA: Like_Dislike=col(source(s), name("_Like_Dislike"), unit.category())
```

```
DATA: COUNT=col(source(s), name("COUNT"))
```

```
DATA: Gender=col(source(s), name("Gender"), unit.category())
```

```
GUIDE: axis(dim(1), label("$Like_Dislike"))
```

```
GUIDE: axis(dim(2), label("Percent"))
```

```
GUIDE: legend(aesthetic(aesthetic.color.interior), label("Gender"))
```

```
GUIDE: text.title(label("Multiple Line Percent of $Like_Dislike by Gender"))
```

```
SCALE: cat(dim(1), include("Cant_Eat_Certain_Food", "Cant_Try_New_Food", "Carrying_Epi_pen",
```

```
, "Going_To_Doctors", "Going_To_Hospital", "Having_To_Be_Careful_All_The_Time", "Medical_Tests", "Mum_Dad_Fussing_All_The_Time"))
```

```
SCALE: linear(dim(2), include(0))
```

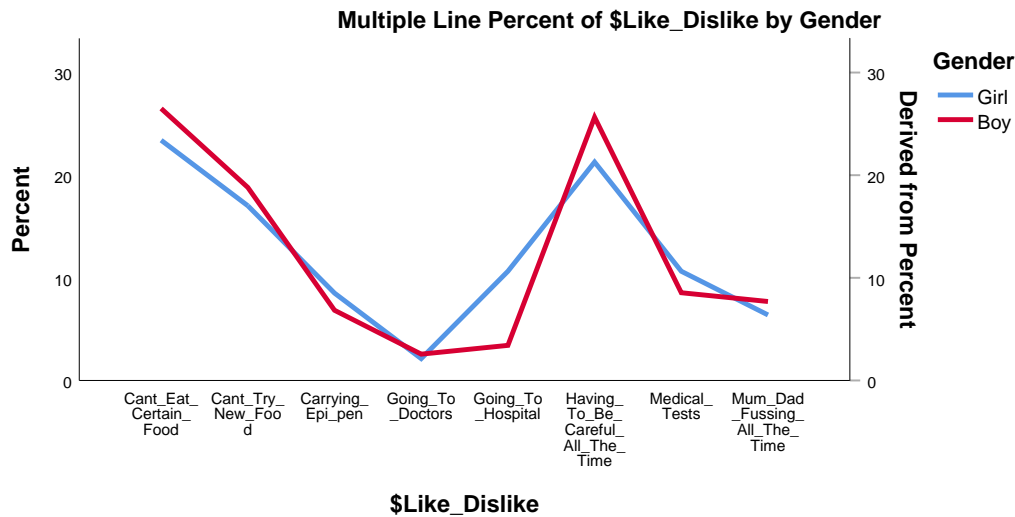
```
SCALE: cat(aesthetic(aesthetic.color.interior), include("0", "1"))
```

```

ELEMENT: line(position(summary.percent(like_dislike*COUNT,
base.aesthetic(aesthetic(aesthetic.color.interior)), color.interior(Gender),
missing.wings)),
END GPL.

```

## GGraph



```

FREQUENCIES VARIABLES=To_Keep_Safe_Check_With_Mum_or_Dadt_if_you_can_eat_a_food
Swap_Lunches
Tell_An_Adult_If_You_Feel_SickCarry_medicine_with_you_at_all_times
Eat_anything_your_friends_dare_you_to_read_food_labels
Do_you_tell_your_teachers_if_you_are_having_an_allergic_reaction
/ORDER=ANALYSIS.

```

## Frequencies

### Statistics

		To keep safe you must: - Check with Mum or Dad if you can eat a food.	To keep safe you must: - Swap Lunches	To keep safe you must: - Tell an adult if you feel sick	To keep safe you must: - Carry medicine with you at all times	To keep safe you must: - Eat anything your friends dare you to
N	Valid	49	46	48	49	46
	Missing	0	3	1	0	3

### Statistics

		To keep safe you must: - Read food labels	Do you tell your teachers if you are having an allergic reaction?
N	Valid	49	49
	Missing	0	0

### Frequency Table

#### To keep safe you must: - Check with Mum or Dad if you can eat a food.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	46	93.9	93.9	93.9
	No	3	6.1	6.1	100.0
	Total	49	100.0	100.0	

#### To keep safe you must: - Swap Lunches

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	46	93.9	100.0	100.0
Missing	99	3	6.1		
Total		49	100.0		

**To keep safe you must: - Tell an adult if you feel sick**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	47	95.9	97.9	97.9
	No	1	2.0	2.1	100.0
	Total	48	98.0	100.0	
Missing	99	1	2.0		
Total		49	100.0		

**Do you tell your teachers if you are having an allergic reaction?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	49	100.0	100.0	100.0

**To keep safe you must: - Carry medicine with you at all times**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	46	93.9	93.9	93.9
	No	3	6.1	6.1	100.0
	Total	49	100.0	100.0	

**To keep safe you must: - Eat anything your friends dare you to**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	46	93.9	100.0	100.0
Missing	99	3	6.1		
Total		49	100.0		

**To keep safe you must: - Read food labels**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	48	98.0	98.0	98.0
	No	1	2.0	2.0	100.0
	Total	49	100.0	100.0	

FREQUENCIES VARIABLES=Epi\_Pen Afraid\_To\_Use\_Epi\_Pen

## Frequencies

### Statistics

		Epi_Pen	Afraid_To_Use _Epi_Pen
N	Valid	46	43
	Missing	3	6

## Frequency Table

Epi-Pen					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	45	91.8	97.8	97.8
	No	1	2.0	2.2	100.0
	Total	46	93.9	100.0	
Missing	System	3	6.1		
Total		49	100.0		

GET

FILE='F:\Final Versions\MASTER-Children8 to 12.sav'.

DATASET NAME DataSet1 WINDOW=FRONT.

FREQUENCIES VARIABLES=Afraid\_To\_Use\_Epi\_PenIt\_Hurts Go\_To\_Hospital Dont\_Like\_Needles

Makes\_You\_SickEpi\_Pen\_Other SPT Scared\_of\_SPT Food\_Challenge Scared\_of\_Food\_Challenges

Gone\_to\_Hospital

/ORDER=ANALYSIS.

## Frequencies

### Statistics

		Afraid_To_Use _Epi_Pen	It_Hurts	Go_To_Hospita l	Dont_Like_Nee dles	Makes_You_Si ck
N	Valid	43	43	43	43	43
	Missing	6	6	6	6	6



## Statistics

		Epi_Pen_Other
N	Valid	32
	Missing	17

### Frequency Table

Afraid to Use Epi-Pen					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	32	65.3	74.4	74.4
	No	11	22.4	25.6	100.0
	Total	43	87.8	100.0	
Missing	99	3	6.1		
	System	3	6.1		
	Total	6	12.2		
Total		49	100.0		

#### NPAR TESTS

```

/CHISQUARE=Afraid_To_Use_Epi_Pen
/EXPECTED=EQUAL
/MISSING ANALYSIS.
    
```

### NPar Tests

#### Chi-Square Test

#### Frequencies

Afraid_To_Use_Epi_Pen			
	Observed N	Expected N	Residual
Yes	32	21.5	10.5
No	11	21.5	-10.5
Total	43		

## Test Statistics

Afraid\_To\_Use\_E  
pi\_Pen

Chi-Square	10.256 <sup>a</sup>
df	1
Asymp. Sig.	.001

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 21.5.

## NPAR TESTS

```
/CHISQUARE=Afraid_To_Use_Epi_Pen  
/EXPECTED=27 16  
/MISSING ANALYSIS.
```

## NPar Tests

### Chi-Square Test

### Frequencies

Afraid_To_Use_Epi_Pen			
	Observed N	Expected N	Residual
Yes	32	27.0	5.0
No	11	16.0	-5.0
Total	43		

## Test Statistics

Afraid\_To\_Use\_E  
pi\_Pen

Chi-Square	2.488 <sup>a</sup>
df	1
Asymp. Sig.	.115

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 16.0.

## It\_Hurts

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Selected	11	22.4	25.6	25.6
	It Hurts	21	42.9	48.8	74.4
	N/A	11	22.4	25.6	100.0
	Total	43	87.8	100.0	
Missing	99	4	8.2		
	System	2	4.1		
	Total	6	12.2		
Total		49	100.0		

## Go\_To\_Hospital

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Selected	19	38.8	44.2	44.2
	Means Going to Hospital	13	26.5	30.2	74.4
	N/A	11	22.4	25.6	100.0
	Total	43	87.8	100.0	
Missing	99	4	8.2		
	System	2	4.1		
	Total	6	12.2		
Total		49	100.0		

### Dont\_Like\_Needles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Selected	9	18.4	20.9	20.9
	Don't Like Needles	23	46.9	53.5	74.4
	N/A	11	22.4	25.6	100.0
	Total	43	87.8	100.0	
Missing	99	4	8.2		
	System	2	4.1		
	Total	6	12.2		
Total		49	100.0		

### Makes\_You\_Sick

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Selected	29	59.2	67.4	67.4
	Makes You Feel Sick	3	6.1	7.0	74.4
	N/A	11	22.4	25.6	100.0
	Total	43	87.8	100.0	
Missing	99	4	8.2		
	System	2	4.1		
	Total	6	12.2		
Total		49	100.0		

### Epi\_Pen\_Other

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Selected	30	61.2	93.8	93.8
	Yes_Don't Like	2	4.1	6.3	100.0
	Total	32	65.3	100.0	
Missing	99	4	8.2		
	System	13	26.5		
	Total	17	34.7		
Total		49	100.0		

MULT RESPONSE GROUPS=\$Epi\_Pen (it\_hurts go\_to\_hospital dont\_like\_needles makes

```

_you_sick
  afraid_to_use_epi_pen(1))
/FREQUENCIES=$Epi_Pen
/MISSING=MDGROUP.

```

## Multiple Response

### Case Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
\$Epi_Pen <sup>a</sup>	40	81.6%	9	18.4%	49	100.0%

a. Dichotomy group tabulated at value 1.

### \$Epi\_Pen Frequencies

		Responses		Percent of Cases
		N	Percent	
\$Epi_Pen <sup>a</sup>	It_Hurts	21	29.6%	52.5%
	Go_To_Hospital	13	18.3%	32.5%
	Dont_Like_Needles	23	32.4%	57.5%
	Makes_You_Sick	3	4.2%	7.5%
	Afraid_To_Use_Epi_Pen	11	15.5%	27.5%
Total		71	100.0%	177.5%

a. Dichotomy group tabulated at value 1.

```

MULT RESPONSE GROUPS=$Epi_Pen (it_hurts go_to_hospital dont_like_needlesmakes
_you_sick (1))
/FREQUENCIES=$Epi_Pen
/MISSING=MDGROUP.

```

## Multiple Response

### Case Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
\$Epi_Pen <sup>a</sup>	29	59.2%	20	40.8%	49	100.0%

a. Dichotomy group tabulated at value 1.

### \$Epi\_Pen Frequencies

		Responses		Percent of Cases
		N	Percent	
\$Epi_Pen <sup>a</sup>	It_Hurts	21	35.0%	72.4%
	Go_To_Hospital	13	21.7%	44.8%
	Dont_Like_Needles	23	38.3%	79.3%
	Makes_You_Sick	3	5.0%	10.3%
Total		60	100.0%	206.9%

a. Dichotomy group tabulated at value 1.

```

PLUM Gender BY Carrying_Epi_pen
  /CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E
-6) SINGULAR(1.0E-8)
  /LINK=LOGIT
  /PRINT=FIT PARAMETER SUMMARY TPARALLEL
  /SAVE=ESTPROB PREDCAT ACPROB.

```

### PLUM - Ordinal Regression - Carrying Epi-Pen

## Case Processing Summary

		N	Marginal Percentage
Gender	Girl	13	28.9%
	Boy	32	71.1%
Carrying_Epi_pen	Not Selected	33	73.3%
	Annoyed_Different	12	26.7%
Valid		45	100.0%
Missing		4	
Total		49	

## Model Fitting Information

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Intercept Only	6.759			
Final	6.604	.155	1	.694

Link function: Logit.

## Goodness-of-Fit

	Chi-Square	df	Sig.
Pearson	.000	0	.
Deviance	.000	0	.

Link function: Logit.

## Pseudo R-Square

Cox and Snell	.003
Nagelkerke	.005
McFadden	.003

Link function: Logit.

### Parameter Estimates

		Estimate	Std. Error	Wald	df	Sig.
Threshold	[Gender = 0]	-.693	.612	1.281	1	.258
Location	[Carrying_Epi_pen=0]	.288	.726	.157	1	.692
	[Carrying_Epi_pen=1]	0 <sup>a</sup>	.	.	0	.

### Parameter Estimates

		95% Confidence Interval	
		Lower Bound	Upper Bound
Threshold	[Gender = 0]	-1.893	.507
Location	[Carrying_Epi_pen=0]	-1.136	1.712
	[Carrying_Epi_pen=1]	.	.

Link function: Logit.

a. This parameter is set to zero because it is redundant.

### Test of Parallel Lines<sup>a</sup>

Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	6.604			
General	6.604	.000	0	.

The null hypothesis states that the location parameters (slope coefficients) are the same across response categories.

a. Link function: Logit.

GET

FILE='F:\Final Versions\MASTER-Children 8 to 12.sav'.

DATASET NAME DataSet1 WINDOW=FRONT.

FREQUENCIES VARIABLES=SPT Scared\_of\_SPT Food\_Challenge Scared\_of\_Food\_Challenges

/ORDER=ANALYSIS.

## Frequencies



### Statistics

		SPT	Scared_of_SPT	Food_Challenge	Scared_of_Food_Challenges
N	Valid	47	45	47	22
	Missing	2	4	2	27

### Frequency Table

SPT					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not Scared or Can't Remember	21	42.9	44.7	44.7
	Scared or Nervous	24	49.0	51.1	95.7
	99	2	4.1	4.3	100.0
	Total	47	95.9	100.0	
Missing	System	2	4.1		
Total		49	100.0		

Scared_of_SPT					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Scared	8	16.3	17.8	17.8
	Nervous	16	32.7	35.6	53.3
	Not Worried	14	28.6	31.1	84.4
	Excited	2	4.1	4.4	88.9
	Cant remember	5	10.2	11.1	100.0
	Total	45	91.8	100.0	
Missing	99	2	4.1		
	System	2	4.1		
	Total	4	8.2		
Total		49	100.0		

#### NPAR TESTS

/CHISQUARE=Scared\_of\_SPT

/EXPECTED=EQUAL

/MISSING ANALYSIS.

### Scared\_of\_SPT

	Observed N	Expected N	Residual
Scared	8	9.0	-1.0
Nervous	16	9.0	7.0
Not Worried	14	9.0	5.0
Excited	2	9.0	-7.0
Cant remember	5	9.0	-4.0
Total	45		

### Test Statistics

	Scared_of_SPT
Chi-Square	15.556 <sup>b</sup>
df	4
Asymp. Sig.	.004

b. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 9.0.

\*Nonparametric Tests: One Sample.

NPTESTS

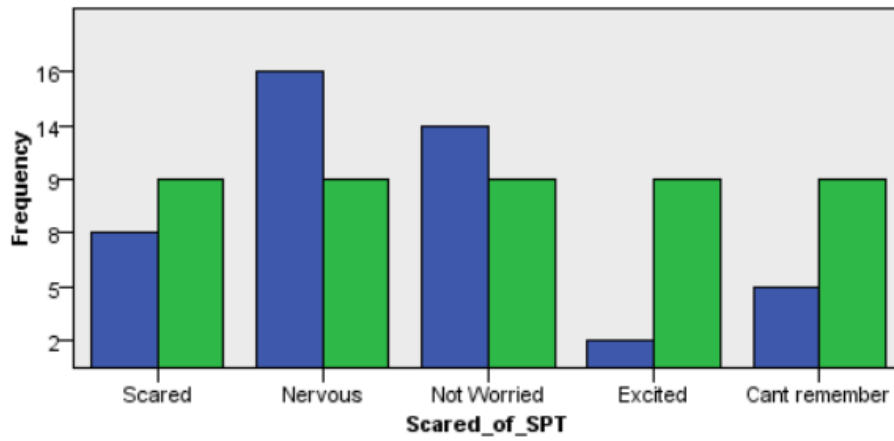
/ONESAMPLE TEST (Scared\_of\_SPT) CHISQUARE(EXPECTED=EQUAL)

/MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE

/CRITERIA ALPHA=0.05 CILEVEL=95.

## Nonparametric Tests

### One-Sample Chi-Square Test



<b>Total N</b>	45
<b>Test Statistic</b>	15.556
<b>Degrees of Freedom</b>	4

Food_Challenge					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	22	44.9	46.8	46.8
	No	25	51.0	53.2	100.0
	Total	47	95.9	100.0	
Missing	System	2	4.1		
Total		49	100.0		

### Scared\_of\_Food\_Challenges

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Scared	5	10.2	22.7	22.7
	Nervous	11	22.4	50.0	72.7
	Not Worried	1	2.0	4.5	77.3
	Excited	3	6.1	13.6	90.9
	Happy	1	2.0	4.5	95.5
	Not Answered	1	2.0	4.5	100.0
	Total	22	44.9	100.0	
Missing	99	25	51.0		
	System	2	4.1		
	Total	27	55.1		
Total		49	100.0		

### NPar Tests

### Chi-Square Test

### Frequencies

#### Scared\_of\_Food\_Challenges

	Observed N	Expected N	Residual
Scared	5	4.2	.8
Nervous	11	4.2	6.8
Not Worried	1	4.2	-3.2
Excited	3	4.2	-1.2
Happy	1	4.2	-3.2
Total	21		

## Test Statistics

Scared_of_Food_Challenges	
Chi-Square	16.381 <sup>a</sup>
df	4
Asymp. Sig.	.003

a. 5 cells (100.0%) have expected frequencies less than 5. The minimum expected cell frequency is 4.2.

## Nonparametric Tests

\*Nonparametric Tests: One Sample.

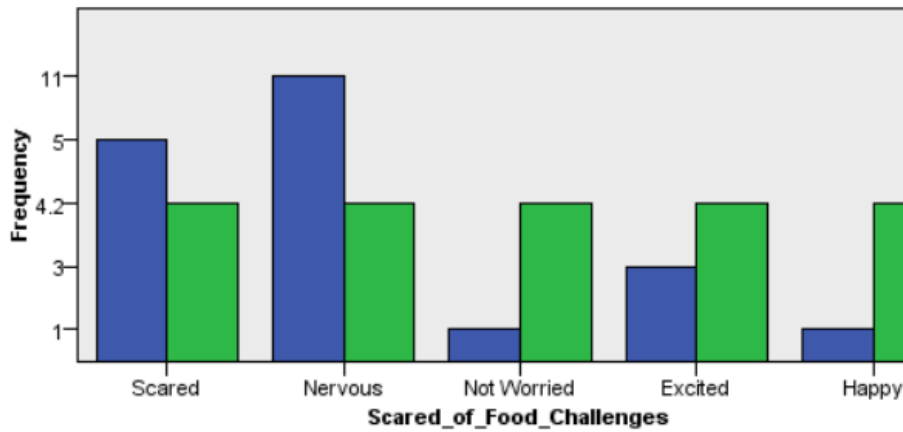
NPTESTS

/ONESAMPLE TEST (Scared\_of\_Food\_Challenges) CHISQUARE(EXPECTED=EQUAL)

/MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE

/CRITERIA ALPHA=0.05 CILEVEL=95.

### One-Sample Chi-Square Test



<b>Total N</b>	21
<b>Test Statistic</b>	16.381
<b>Degrees of Freedom</b>	4

NPAR TESTS

/CHISQUARE=I\_Feel\_Itchy\_Wait

/EXPECTED=5 41

/MISSING ANALYSIS.

**NPar Tests - Expected Values based on min. cell count of 5**

**Chi-Square Test**

**Frequencies**

<b>I_Feel_Itchy_Wait</b>			
	Observed N	Expected N	Residual
Yes	7	5.0	2.0
Not Selected	39	41.0	-2.0
Total	46		

<b>Test Statistics</b>	
I_Feel_Itchy_Wait	
Chi-Square	.898 <sup>a</sup>
df	1
Asymp. Sig.	.343

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 5.0.

#### NPART TESTS

```

/CHISQUARE=I_Feel_Itchy_Tell_Adult
/EXPECTED=41 5
/MISSING ANALYSIS.

```

### NPPar Tests

### Chi-Square Test

### Frequencies

<b>I_Feel_Itchy_Tell_Adult</b>			
	Observed N	Expected N	Residual
Yes	41	41.0	.0
Not Selected	5	5.0	.0
Total	46		

## Test Statistics

I\_Feel\_Itchy\_T  
ell\_Adult

Chi-Square	.000 <sup>a</sup>
df	1
Asymp. Sig.	1.000

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 5.0.

## NPAR TESTS

```
/CHISQUARE=I_Feel_Itchy_Lay_Person_Down  
/EXPECTED=5 41  
/MISSING ANALYSIS.
```

## NPar Tests

### Chi-Square Test

### Frequencies

#### I\_Feel\_Itchy\_Lay\_Person\_Down

	Observed N	Expected N	Residual
Yes	4	5.0	-1.0
Not Selected	42	41.0	1.0
Total	46		



## Test Statistics

I\_Feel\_Itchy\_La  
y\_Person\_Dow  
n

Chi-Square	.224 <sup>a</sup>
df	1
Asymp. Sig.	.636

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 5.0.

## NPAR TESTS

```
/CHISQUARE=My_Stomach_Hurts_Wait  
/EXPECTED=5 41  
/MISSING ANALYSIS.
```

## NPar Tests

### Chi-Square Test

### Frequencies

#### My\_Stomach\_Hurts\_Wait

	Observed N	Expected N	Residual
Yes	2	5.0	-3.0
Not Selected	44	41.0	3.0
Total	46		

## Test Statistics

My\_Stomach\_H  
urts\_Wait

Chi-Square	2.020 <sup>a</sup>
df	1
Asymp. Sig.	.155

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 5.0.

## NPAR TESTS

```
/CHISQUARE=My_Stomach_Hurts_Tell_Adult  
/EXPECTED=41 5  
/MISSING ANALYSIS.
```

## NPar Tests

### Chi-Square Test

### Frequencies

My_Stomach_Hurts_Tell_Adult			
	Observed N	Expected N	Residual
Yes	40	41.0	-1.0
Not Selected	6	5.0	1.0
Total	46		

## Test Statistics

My_Stomach_Hurts_Tell_Adult	
Chi-Square	.224 <sup>a</sup>
df	1
Asymp. Sig.	.636

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 5.0.

### NPAR TESTS

```
/CHISQUARE=My_Stomach_Hurts_Lay_Person_Down  
/EXPECTED=5 41  
/MISSING ANALYSIS.
```

## NPar Tests

### Chi-Square Test

### Frequencies

My_Stomach_Hurts_Lay_Person_Down			
	Observed N	Expected N	Residual
Yes	12	5.0	7.0
Not Selected	34	41.0	-7.0
Total	46		

## Test Statistics

My\_Stomach\_H  
urts\_Lay\_Perso  
n\_Down

Chi-Square	10.995 <sup>a</sup>
df	1
Asymp. Sig.	.001

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 5.0.

## NPAR TESTS

```
/CHISQUARE=I_Cant_Breathe_Tell_Adult  
/EXPECTED=41.5  
/MISSING ANALYSIS.
```

## NPar Tests

### Chi-Square Test

### Frequencies

#### I\_Cant\_Breathe\_Tell\_Adult

	Observed N	Expected N	Residual
Yes	28	41.0	-13.0
Not Selected	18	5.0	13.0
Total	46		

## Test Statistics

I_Cant_Breathe _Tell_Adult	
Chi-Square	37.922 <sup>a</sup>
df	1
Asymp. Sig.	.000

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 5.0.

### NPAR TESTS

```
/CHISQUARE=I_Cant_Breathe_Call_000  
/EXPECTED=36 10  
/MISSING ANALYSIS.
```

## NPar Tests

### Chi-Square Test

### Frequencies

I_Cant_Breathe_Call_000			
	Observed N	Expected N	Residual
Yes	30	36.0	-6.0
Not Selected	16	10.0	6.0
Total	46		

## Test Statistics

I\_Cant\_Breathe  
\_Call\_000

Chi-Square	4.600 <sup>a</sup>
df	1
Asymp. Sig.	.032

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 10.0.

## NPAR TESTS

```
/CHISQUARE=I_Cant_Breathe_Lay_Person_Down  
/EXPECTED=41 5  
/MISSING ANALYSIS.
```

## NPar Tests

### Chi-Square Test

### Frequencies

#### I\_Cant\_Breathe\_Lay\_Person\_Down

	Observed N	Expected N	Residual
Yes	14	41.0	-27.0
Not Selected	32	5.0	27.0
Total	46		

## Test Statistics

I\_Cant\_Breathe  
\_Lay\_Person\_  
Down

Chi-Square	163.580 <sup>a</sup>
df	1
Asymp. Sig.	.000

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 5.0.

FREQUENCIES VARIABLES=I\_Cant\_Breathe\_Epi\_Pen  
/ORDER=ANALYSIS.

## Frequencies

### Statistics

I\_Cant\_Breathe\_Epi\_Pen

N	Valid	46
	Missing	3

### I\_Cant\_Breathe\_Epi\_Pen

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	18	36.7	39.1	39.1
	Not Selected	28	57.1	60.9	100.0
	Total	46	93.9	100.0	
Missing	System	3	6.1		
Total		49	100.0		

NPAR TESTS

/CHISQUARE=I\_Cant\_Breathe\_Epi\_Pen

/EXPECTED=21 25

/MISSING ANALYSIS.

## NPar Tests

### Chi-Square Test

### Frequencies

I_Cant_Breathe_Epi_Pen			
	Observed N	Expected N	Residual
Yes	18	21.0	-3.0
Not Selected	28	25.0	3.0
Total	46		

Test Statistics	
I_Cant_Breathe _Epi_Pen	
Chi-Square	.789 <sup>a</sup>
df	1
Asymp. Sig.	.375

a. 0 cells (.0%) have expected frequencies less than 5. The minimum expected cell frequency is 21.0.

```
CROSSTABS
  /TABLES=I_Feel_Itchy_WaitI_Feel_Itchy_Tell_AdultI_Feel_Itchy_Call_000
  I_Feel_Itchy_Lay_Person_DownI_Feel_Itchy_Epi_PenI_Cant_Breathe_WaitI_Ca
nt_Breathe_Tell_Adult
  I_Cant_Breathe_Call_000 I_Cant_Breathe_Lay_Person_DownI_Cant_Breathe_Epi_
Pen My_Stomach_Hurts_Wait
  My_Stomach_Hurts_Tell_AdultMy_Stomach_Hurts_Call_000 My_Stomach_Hurts_Lay
_Person_Down
  My_Stomach_Hurts_Epi_PenBY School
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ
  /CELLS=COUNT COLUMN
  /COUNT ROUND CELL.
```

## Crosstabs



## I Feel Itchy - Wait by School Group

### Crosstab

			School		Total
			Lower Primary - 4th grade and below	Upper Primary or High School	
I_Feel_Itchy_Wait	Yes	Count	2	4	6
		% within School	8.3%	19.0%	13.3%
	Not Selected	Count	22	17	39
		% within School	91.7%	81.0%	86.7%
Total		Count	24	21	45
		% within School	100.0%	100.0%	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	1.113 <sup>a</sup>	1	.292		
Continuity Correction <sup>b</sup>	.379	1	.538		
Likelihood Ratio	1.122	1	.289		
Fisher's Exact Test				.396	.269
Linear-by-Linear Association	1.088	1	.297		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 2.80.

b. Computed only for a 2x2 table

## I Feel Itchy - Tell an Adult by School

## Crosstab

			School		Total
			Lower Primary - 4th grade and below	Upper Primary or High School	
I_Feel_Itchy_Tell_Adult	Yes	Count	23	17	40
		% within School	95.8%	81.0%	88.9%
	Not Selected	Count	1	4	5
		% within School	4.2%	19.0%	11.1%
Total	Count	24	21	45	
	% within School	100.0%	100.0%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	2.511 <sup>a</sup>	1	.113		
Continuity Correction <sup>b</sup>	1.230	1	.267		
Likelihood Ratio	2.631	1	.105		
Fisher's Exact Test				.169	.134
Linear-by-Linear Association	2.455	1	.117		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 2.33.

b. Computed only for a 2x2 table

## I Feel Itchy - Lay Person Down by School

### Crosstab

			School		Total
			Lower Primary - 4th grade and below	Upper Primary or High School	
I_Feel_Itchy_Lay_Person_ Down	Yes	Count	2	2	4
		% within School	8.3%	9.5%	8.9%
	Not Selected	Count	22	19	41
		% within School	91.7%	90.5%	91.1%
Total	Count	24	21	45	
	% within School	100.0%	100.0%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.020 <sup>a</sup>	1	.889		
Continuity Correction <sup>b</sup>	.000	1	1.000		
Likelihood Ratio	.020	1	.889		
Fisher's Exact Test				1.000	.643
Linear-by-Linear Association	.019	1	.890		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 1.87.

b. Computed only for a 2x2 table

## I Can't Breathe - Tell an Adult by School

## Crosstab

			School		Total
			Lower Primary - 4th grade and below	Upper Primary or High School	
I_Cant_Breathe_Tell_Adult	Yes	Count	15	12	27
		% within School	62.5%	57.1%	60.0%
	Not Selected	Count	9	9	18
		% within School	37.5%	42.9%	40.0%
Total		Count	24	21	45
		% within School	100.0%	100.0%	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.134 <sup>a</sup>	1	.714		
Continuity Correction <sup>b</sup>	.004	1	.951		
Likelihood Ratio	.134	1	.714		
Fisher's Exact Test				.767	.475
Linear-by-Linear Association	.131	1	.717		
N of Valid Cases	45				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 8.40.

b. Computed only for a 2x2 table

## I Can't Breathe - Call 000 by School

### Crosstab

		School		
		Lower Primary - 4th grade and below	Upper Primary or High School	
I_Cant_Breathe_Call_000	Yes	Count	15	14
		% within School	62.5%	66.7%
	Not Selected	Count	9	7
		% within School	37.5%	33.3%
Total		Count	24	21
		% within School	100.0%	100.0%

### Crosstab

			Total
I_Cant_Breathe_Call_000	Yes	Count	29
		% within School	64.4%
	Not Selected	Count	16
		% within School	35.6%
Total		Count	45
		% within School	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.085 <sup>a</sup>	1	.771		
Continuity Correction <sup>b</sup>	.000	1	1.000		
Likelihood Ratio	.085	1	.771		
Fisher's Exact Test				1.000	.509
Linear-by-Linear Association	.083	1	.773		
N of Valid Cases	45				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 7.47.

b. Computed only for a 2x2 table

## I Can't Breathe - Lay Person Down by School

### Crosstab

		School			
		Lower Primary - 4th grade and below	Upper Primary or High School	Total	
I_Cant_Breathe_Lay_Person_Down	Yes	Count	7	7	14
		% within School	29.2%	33.3%	31.1%
	Not Selected	Count	17	14	31
		% within School	70.8%	66.7%	68.9%
Total	Count	24	21	45	
	% within School	100.0%	100.0%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.091 <sup>a</sup>	1	.763		
Continuity Correction <sup>b</sup>	.000	1	1.000		
Likelihood Ratio	.091	1	.763		
Fisher's Exact Test				1.000	.507
Linear-by-Linear Association	.089	1	.766		
N of Valid Cases	45				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 6.53.

b. Computed only for a 2x2 table

## I Can't Breathe\_Epi\_Pen by School

## Crosstab

		School			
		Lower Primary - 4th grade and below	Upper Primary or High School	Total	
I_Cant_Breathe_Epi_Pen	Yes	Count	9	8	17
		% within School	37.5%	38.1%	37.8%
	Not Selected	Count	15	13	28
		% within School	62.5%	61.9%	62.2%
Total		Count	24	21	45
		% within School	100.0%	100.0%	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.002 <sup>a</sup>	1	.967		
Continuity Correction <sup>b</sup>	.000	1	1.000		
Likelihood Ratio	.002	1	.967		
Fisher's Exact Test				1.000	.604
Linear-by-Linear Association	.002	1	.968		
N of Valid Cases	45				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 7.93.

b. Computed only for a 2x2 table

## My Stomach Hurts - Wait by School

## Crosstab

		School			
		Lower Primary - 4th grade and below	Upper Primary or High School	Total	
My_Stomach_Hurts_Wait	Yes	Count	0	2	2
		% within School	0.0%	9.5%	4.4%
	Not Selected	Count	24	19	43
		% within School	100.0%	90.5%	95.6%
Total		Count	24	21	45
		% within School	100.0%	100.0%	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	2.392 <sup>a</sup>	1	.122		
Continuity Correction <sup>b</sup>	.675	1	.411		
Likelihood Ratio	3.155	1	.076		
Fisher's Exact Test				.212	.212
Linear-by-Linear Association	2.339	1	.126		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is .93.

b. Computed only for a 2x2 table

## My Stomach Hurts - Tell an Adult by School



## Crosstab

		School			Total
		Lower Primary - 4th grade and below	Upper Primary or High School		
My_Stomach_Hurts_Tell_A dult	Yes	Count	24	15	39
		% within School	100.0%	71.4%	86.7%
	Not Selected	Count	0	6	6
		% within School	0.0%	28.6%	13.3%
Total	Count	24	21	45	
	% within School	100.0%	100.0%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	7.912 <sup>a</sup>	1	.005		
Continuity Correction <sup>b</sup>	5.633	1	.018		
Likelihood Ratio	10.213	1	.001		
Fisher's Exact Test				.007	.007
Linear-by-Linear Association	7.736	1	.005		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 2.80.

b. Computed only for a 2x2 table

## My Stomach Hurts - Lay Person Down by School

## Crosstab

		School			
		Lower Primary - 4th grade and below	Upper Primary or High School	Total	
My_Stomach_Hurts_Lay_Person_Down	Yes	Count	3	9	12
		% within School	12.5%	42.9%	26.7%
	Not Selected	Count	21	12	33
		% within School	87.5%	57.1%	73.3%
Total		Count	24	21	45
		% within School	100.0%	100.0%	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	5.278 <sup>a</sup>	1	.022		
Continuity Correction <sup>b</sup>	3.840	1	.050		
Likelihood Ratio	5.425	1	.020		
Fisher's Exact Test				.041	.024
Linear-by-Linear Association	5.161	1	.023		
N of Valid Cases	45				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.60.

b. Computed only for a 2x2 table

CROSSTABS

```

/TABLES=I_Feel_Itchy_WaitI_Feel_Itchy_Tell_AdultI_Feel_Itchy_Call_000
  I_Feel_Itchy_Lay_Person_DownI_Feel_Itchy_Epi_PenI_Cant_Breathe_WaitI_Ca
nt_Breathe_Tell_Adult
  I_Cant_Breathe_Call_000 I_Cant_Breathe_Lay_Person_DownI_Cant_Breathe_Epi_
Pen My_Stomach_Hurts_Wait
  My_Stomach_Hurts_Tell_AdultMy_Stomach_Hurts_Call_000 My_Stomach_Hurts_Lay
_Person_Down
  My_Stomach_Hurts_Epi_PenBY Gender
/FORMAT=AVALUE TABLES
/STATISTICS=CHISQ CORR D

```

/CELLS=COUNT EXPECTED ROW TOTAL  
 /COUNT ROUND CELL  
 /BARCHART.

## Crosstabs

### I Feel Itchy - Wait by Gender

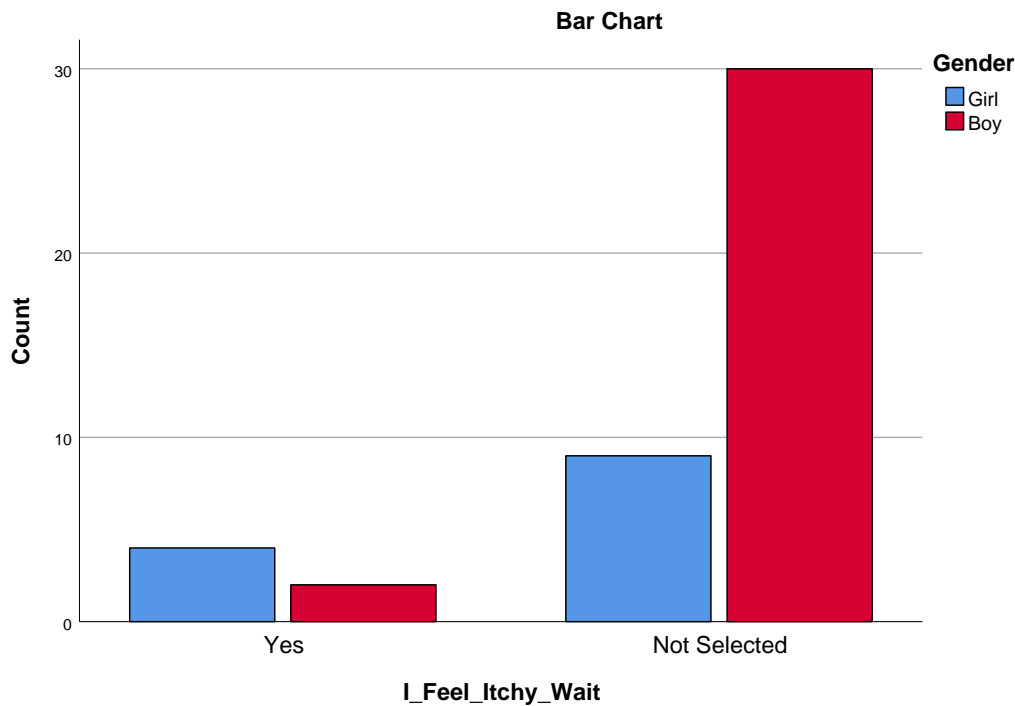
Crosstab					
		Gender			
			Girl	Boy	Total
I_Feel_Itchy_Wait	Yes	Count	4	2	6
		Expected Count	1.7	4.3	6.0
		% within I_Feel_Itchy_Wait	66.7%	33.3%	100.0%
		% of Total	8.9%	4.4%	13.3%
	Not Selected	Count	9	30	39
		Expected Count	11.3	27.7	39.0
		% within I_Feel_Itchy_Wait	23.1%	76.9%	100.0%
		% of Total	20.0%	66.7%	86.7%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within I_Feel_Itchy_Wait	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

## Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	4.810 <sup>a</sup>	1	.028		
Continuity Correction <sup>b</sup>	2.922	1	.087		
Likelihood Ratio	4.330	1	.037		
Fisher's Exact Test				.049	.049
Linear-by-Linear Association	4.703	1	.030		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 1.73.

b. Computed only for a 2x2 table



### I Feel Itchy - Tell an Adult by Gender

## Crosstab

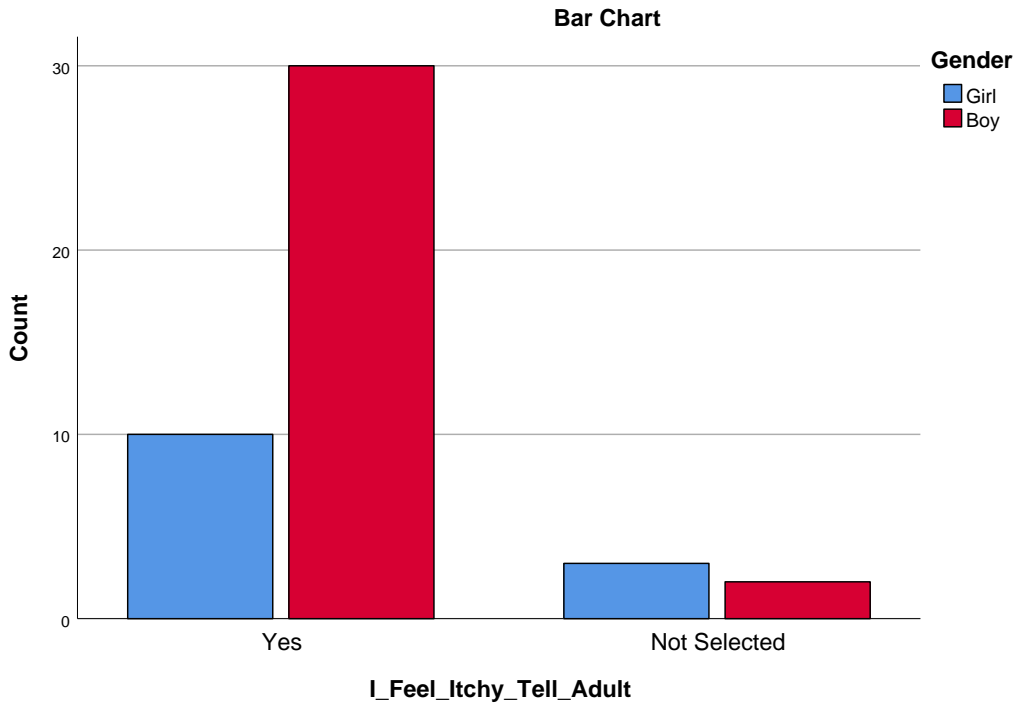
			Gender		Total
			Girl	Boy	
I_Feel_Itchy_Tell_Adult	Yes	Count	10	30	40
		Expected Count	11.6	28.4	40.0
		% within I_Feel_Itchy_Tell_Adult	25.0%	75.0%	100.0%
		% of Total	22.2%	66.7%	88.9%
	Not Selected	Count	3	2	5
		Expected Count	1.4	3.6	5.0
		% within I_Feel_Itchy_Tell_Adult	60.0%	40.0%	100.0%
		% of Total	6.7%	4.4%	11.1%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within I_Feel_Itchy_Tell_Adult	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

## Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2.650 <sup>a</sup>	1	.104		
Continuity Correction <sup>b</sup>	1.220	1	.269		
Likelihood Ratio	2.387	1	.122		
Fisher's Exact Test				.136	.136
Linear-by-Linear Association	2.591	1	.107		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 1.44.

b. Computed only for a 2x2 table



### I Feel Itchy - Call 000 by Gender

		Crosstab			
		Gender			Total
		Girl	Boy		
I_Feel_Itchy_Call_000	Not Selected	Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within I_Feel_Itchy_Call_000	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%
Total		Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within I_Feel_Itchy_Call_000	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%

### I Feel Itchy - Lay Person Down by Gender

## Crosstab

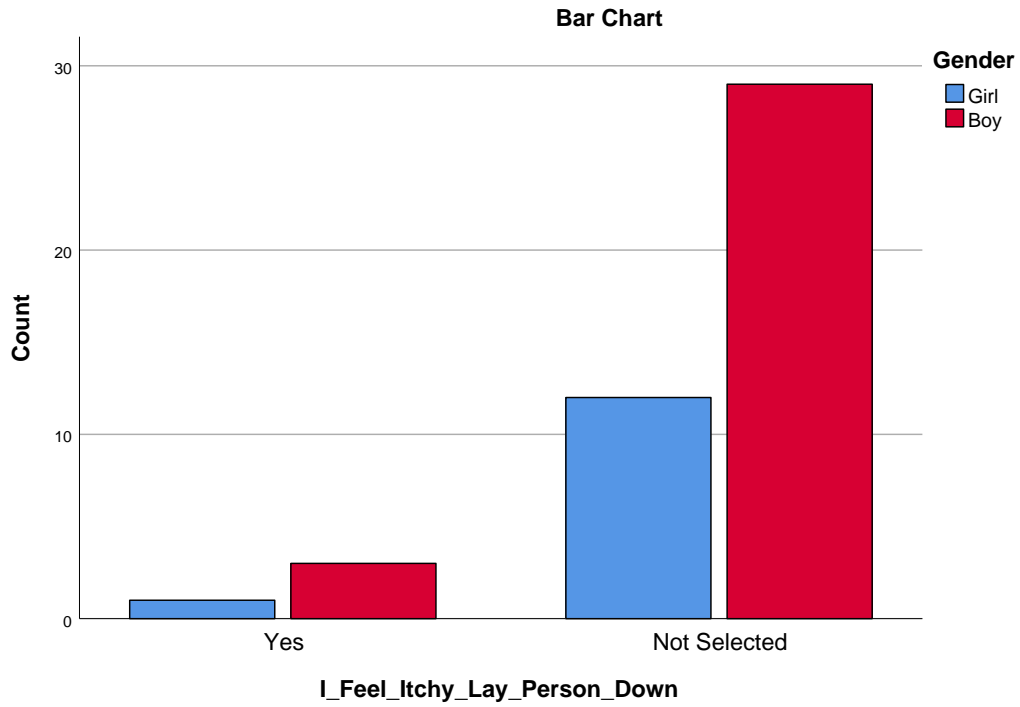
		Gender			
		Girl	Boy	Total	
I_Feel_Itchy_Lay_Person_Down	Yes	Count	1	3	4
		Expected Count	1.2	2.8	4.0
		% within I_Feel_Itchy_Lay_Person_Down	25.0%	75.0%	100.0%
		% of Total	2.2%	6.7%	8.9%
	Not Selected	Count	12	29	41
		Expected Count	11.8	29.2	41.0
		% within I_Feel_Itchy_Lay_Person_Down	29.3%	70.7%	100.0%
		% of Total	26.7%	64.4%	91.1%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within I_Feel_Itchy_Lay_Person_Down	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.032 <sup>a</sup>	1	.857		
Continuity Correction <sup>b</sup>	.000	1	1.000		
Likelihood Ratio	.033	1	.855		
Fisher's Exact Test				1.000	.674
Linear-by-Linear Association	.032	1	.859		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 1.16.

b. Computed only for a 2x2 table



### I Feel Itchy - Use Epi-Pen by Gender

		Crosstab			
		Gender		Total	
		Girl	Boy		
I_Feel_Itchy_Epi_Pen	Not Selected	Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within I_Feel_Itchy_Epi_Pen	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%
Total		Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within I_Feel_Itchy_Epi_Pen	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%

### I Can't Breathe - Wait by Gender



### Crosstab

			Gender		
			Girl	Boy	Total
I_Cant_Breathe_Wait	Not Selected	Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within I_Cant_Breathe_Wait	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%
Total		Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within I_Cant_Breathe_Wait	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%

### I Can't Breathe - Tell an Adult by Gender

### Crosstab

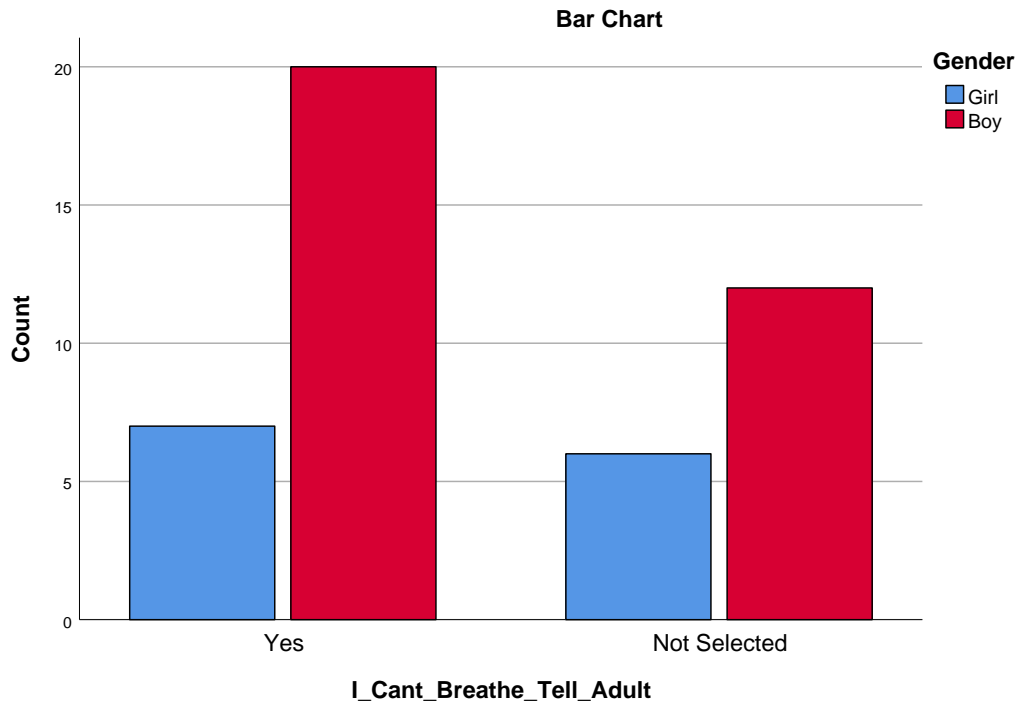
			Gender		
			Girl	Boy	Total
I_Cant_Breathe_Tell_Adult	Yes	Count	7	20	27
		Expected Count	7.8	19.2	27.0
		% within I_Cant_Breathe_Tell_Adult	25.9%	74.1%	100.0%
		% of Total	15.6%	44.4%	60.0%
	Not Selected	Count	6	12	18
		Expected Count	5.2	12.8	18.0
		% within I_Cant_Breathe_Tell_Adult	33.3%	66.7%	100.0%
		% of Total	13.3%	26.7%	40.0%
Total		Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within I_Cant_Breathe_Tell_Adult	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.288 <sup>a</sup>	1	.591		
Continuity Correction <sup>b</sup>	.041	1	.840		
Likelihood Ratio	.286	1	.593		
Fisher's Exact Test				.739	.417
Linear-by-Linear Association	.282	1	.595		
N of Valid Cases	45				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.20.

b. Computed only for a 2x2 table



### I Can't Breathe - Call 000 by Gender

## Crosstab

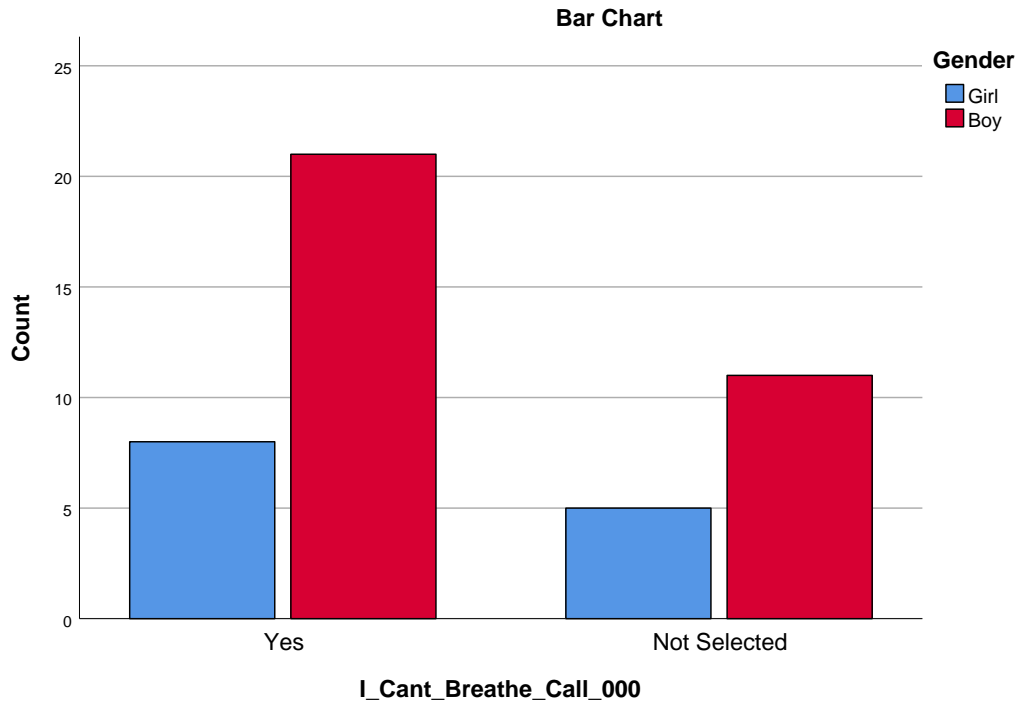
			Gender		
			Girl	Boy	Total
I_Cant_Breathe_Call_000	Yes	Count	8	21	29
		Expected Count	8.4	20.6	29.0
		% within I_Cant_Breathe_Call_000	27.6%	72.4%	100.0%
		% of Total	17.8%	46.7%	64.4%
	Not Selected	Count	5	11	16
		Expected Count	4.6	11.4	16.0
		% within I_Cant_Breathe_Call_000	31.3%	68.8%	100.0%
		% of Total	11.1%	24.4%	35.6%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within I_Cant_Breathe_Call_000	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.067 <sup>a</sup>	1	.795		
Continuity Correction <sup>b</sup>	.000	1	1.000		
Likelihood Ratio	.067	1	.796		
Fisher's Exact Test				1.000	.528
Linear-by-Linear Association	.066	1	.797		
N of Valid Cases	45				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 4.62.

b. Computed only for a 2x2 table



CROSSTABS

```

/TABLES=I_Cant_Breathe_Call_000 BY I_Cant_Breathe_Tell_Adult
/FORMAT=AVALUE TABLES
/CELLS=COUNT
/COUNT ROUND CELL.

```

### Crosstabs

**I\_Cant\_Breathe\_Call\_000 \* I\_Cant\_Breathe\_Tell\_Adult  
Crosstabulation**

Count		I_Cant_Breathe_Tell_Adult		Total
		Yes	Not Selected	
I_Cant_Breathe_Call_000	Yes	16	14	30
	Not Selected	12	4	16
Total		28	18	46

### I Can't Breathe - Lay Person Down by Gender

## Crosstab

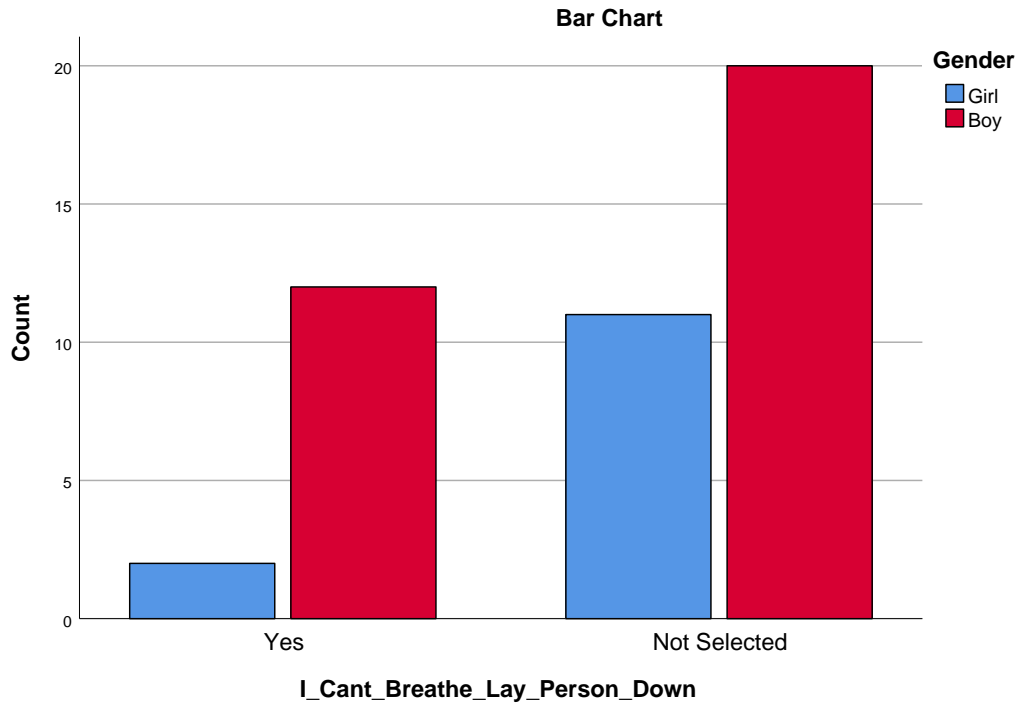
			Gender		Total
			Girl	Boy	
I_Cant_Breathe_Lay_Person_Down	Yes	Count	2	12	14
		Expected Count	4.0	10.0	14.0
		% within I_Cant_Breathe_Lay_Person_Down	14.3%	85.7%	100.0%
		% of Total	4.4%	26.7%	31.1%
	Not Selected	Count	11	20	31
		Expected Count	9.0	22.0	31.0
		% within I_Cant_Breathe_Lay_Person_Down	35.5%	64.5%	100.0%
		% of Total	24.4%	44.4%	68.9%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within I_Cant_Breathe_Lay_Person_Down	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2.110 <sup>a</sup>	1	.146		
Continuity Correction <sup>b</sup>	1.204	1	.273		
Likelihood Ratio	2.296	1	.130		
Fisher's Exact Test				.178	.135
Linear-by-Linear Association	2.063	1	.151		
N of Valid Cases	45				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 4.04.

b. Computed only for a 2x2 table



### I Can't Breathe - Use Epi-Pen by Gender

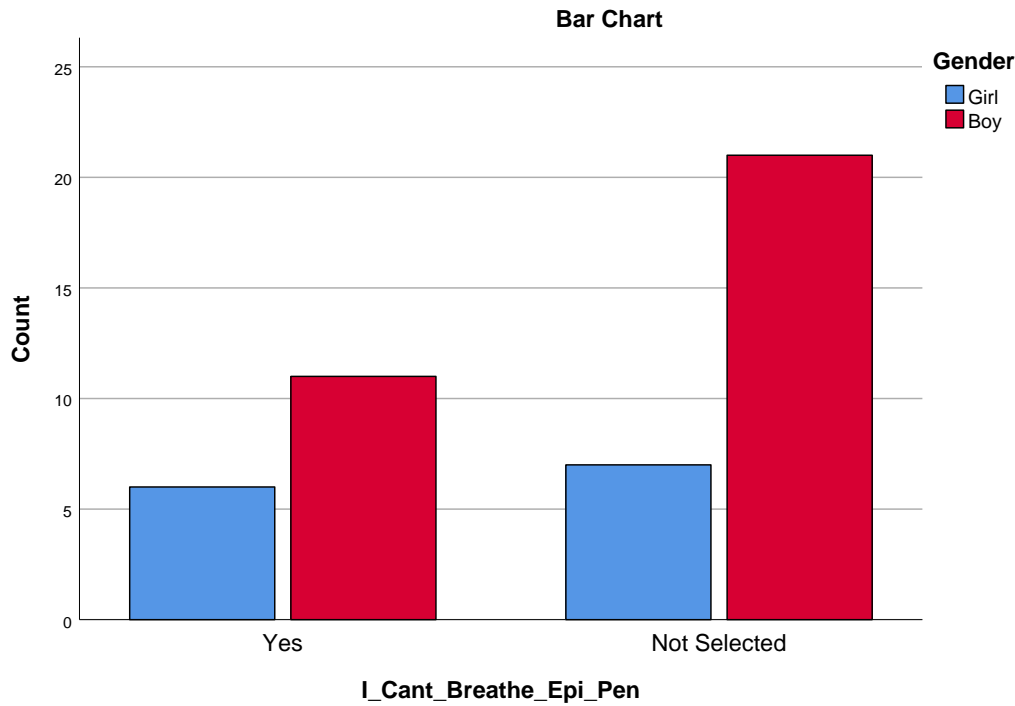
		Crosstab			
		Gender		Total	
I_Cant_Breathe_Epi_Pen		Girl	Boy		
I_Cant_Breathe_Epi_Pen	Yes	Count	6	11	17
		Expected Count	4.9	12.1	17.0
		% within I_Cant_Breathe_Epi_Pen	35.3%	64.7%	100.0%
		% of Total	13.3%	24.4%	37.8%
	Not Selected	Count	7	21	28
		Expected Count	8.1	19.9	28.0
		% within I_Cant_Breathe_Epi_Pen	25.0%	75.0%	100.0%
		% of Total	15.6%	46.7%	62.2%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within I_Cant_Breathe_Epi_Pen	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.546 <sup>a</sup>	1	.460		
Continuity Correction <sup>b</sup>	.160	1	.690		
Likelihood Ratio	.539	1	.463		
Fisher's Exact Test				.511	.342
Linear-by-Linear Association	.534	1	.465		
N of Valid Cases	45				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 4.91.

b. Computed only for a 2x2 table



### My Stomach Hurts - Wait by Gender

## Crosstab

			Gender		Total
			Girl	Boy	
My_Stomach_Hurts_Wait	Yes	Count	0	2	2
		Expected Count	.6	1.4	2.0
		% within My_Stomach_Hurts_Wait	0.0%	100.0%	100.0%
		% of Total	0.0%	4.4%	4.4%
	Not Selected	Count	13	30	43
		Expected Count	12.4	30.6	43.0
		% within My_Stomach_Hurts_Wait	30.2%	69.8%	100.0%
		% of Total	28.9%	66.7%	95.6%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within My_Stomach_Hurts_Wait	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

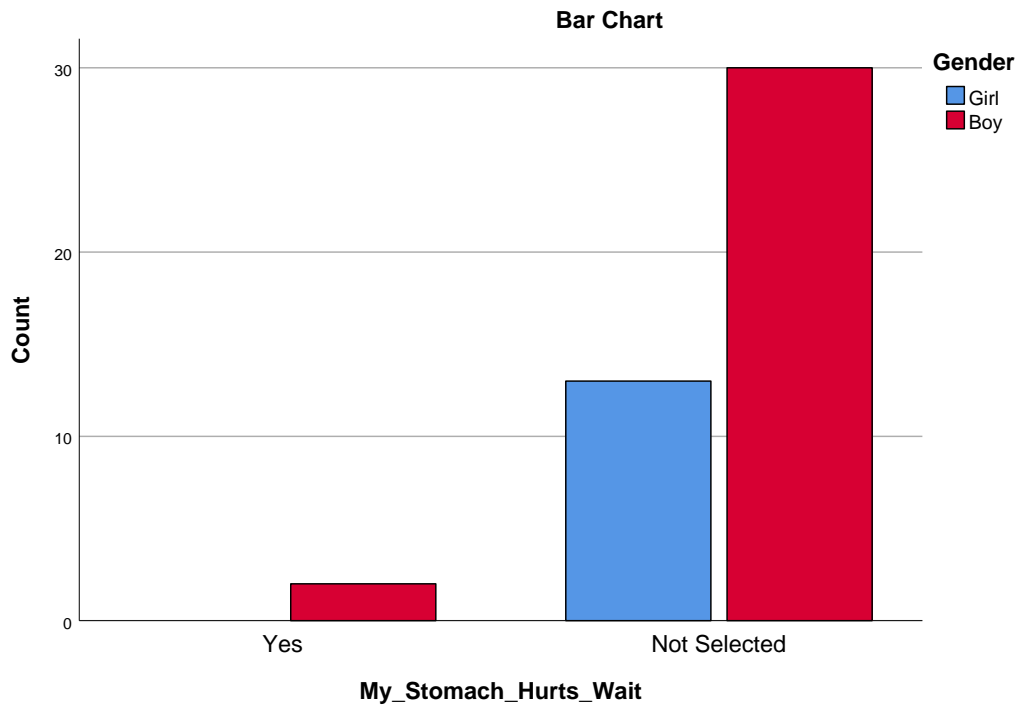
## Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.850 <sup>a</sup>	1	.356		
Continuity Correction <sup>b</sup>	.015	1	.901		
Likelihood Ratio	1.401	1	.237		
Fisher's Exact Test				1.000	.501
Linear-by-Linear Association	.831	1	.362		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is .58.

b. Computed only for a 2x2 table





### My Stomach Hurts - Tell an Adult by Gender

## Crosstab

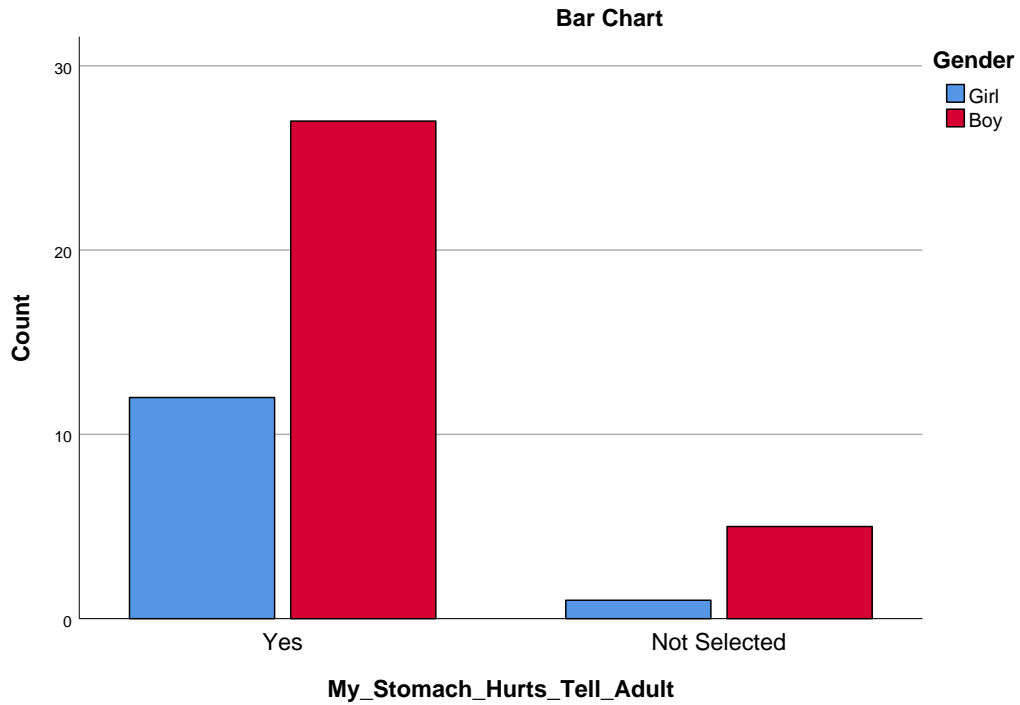
			Gender		Total
			Girl	Boy	
My_Stomach_Hurts_Tell_A dult	Yes	Count	12	27	39
		Expected Count	11.3	27.7	39.0
		% within My_Stomach_Hurts_Tell_A dult	30.8%	69.2%	100.0%
		% of Total	26.7%	60.0%	86.7%
	Not Selected	Count	1	5	6
		Expected Count	1.7	4.3	6.0
		% within My_Stomach_Hurts_Tell_A dult	16.7%	83.3%	100.0%
		% of Total	2.2%	11.1%	13.3%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within My_Stomach_Hurts_Tell_A dult	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

## Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.503 <sup>a</sup>	1	.478		
Continuity Correction <sup>b</sup>	.051	1	.821		
Likelihood Ratio	.552	1	.457		
Fisher's Exact Test				.656	.433
Linear-by-Linear Association	.492	1	.483		
N of Valid Cases	45				

a. 2 cells (50.0%) have expected count less than 5. The minimum expected count is 1.73.

b. Computed only for a 2x2 table



### My Stomach Hurts - Call 000 by Gender

		Crosstab			
		Gender		Total	
My_Stomach_Hurts_Call_000	Not Selected	Girl	Boy		
My_Stomach_Hurts_Call_000	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within My_Stomach_Hurts_Call_000	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within My_Stomach_Hurts_Call_000	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

### My Stomach Hurts - Lay Person Down by Gender

## Crosstab

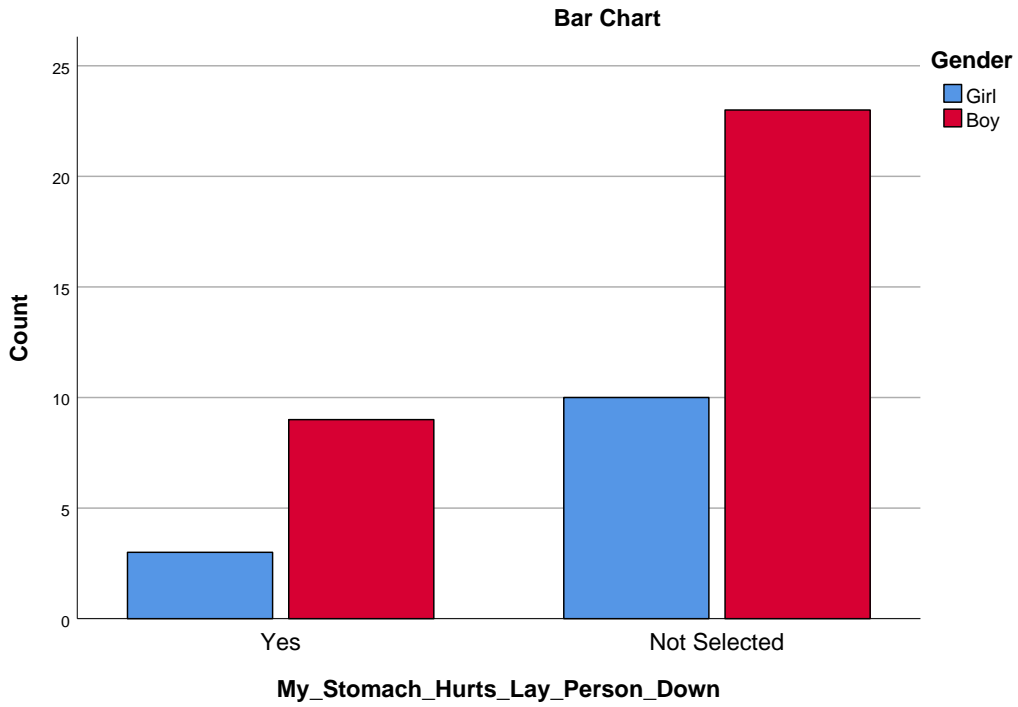
			Gender		
			Girl	Boy	Total
My_Stomach_Hurts_Lay_P erson_Down	Yes	Count	3	9	12
		Expected Count	3.5	8.5	12.0
		% within My_Stomach_Hurts_Lay_P erson_Down	25.0%	75.0%	100.0%
		% of Total	6.7%	20.0%	26.7%
	Not Selected	Count	10	23	33
		Expected Count	9.5	23.5	33.0
		% within My_Stomach_Hurts_Lay_P erson_Down	30.3%	69.7%	100.0%
		% of Total	22.2%	51.1%	73.3%
Total	Count	13	32	45	
	Expected Count	13.0	32.0	45.0	
	% within My_Stomach_Hurts_Lay_P erson_Down	28.9%	71.1%	100.0%	
	% of Total	28.9%	71.1%	100.0%	

### Chi-Square Tests

	Value	df	Asymptotic Significance (2- sided)	Exact Sig. (2- sided)	Exact Sig. (1- sided)
Pearson Chi-Square	.120 <sup>a</sup>	1	.729		
Continuity Correction <sup>b</sup>	.000	1	1.000		
Likelihood Ratio	.123	1	.726		
Fisher's Exact Test				1.000	.520
Linear-by-Linear Association	.118	1	.731		
N of Valid Cases	45				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 3.47.

b. Computed only for a 2x2 table



### My Stomach Hurts - Use Epi-Pen by Gender

		Crosstab			
		Gender		Total	
		Girl	Boy		
My_Stomach_Hurts_Epi_P en	Not Selected	Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within My_Stomach_Hurts_Epi_P en	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%
Total		Count	13	32	45
		Expected Count	13.0	32.0	45.0
		% within My_Stomach_Hurts_Epi_P en	28.9%	71.1%	100.0%
		% of Total	28.9%	71.1%	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	13.835 <sup>a</sup>	4	.008
Likelihood Ratio	13.491	4	.009
Linear-by-Linear Association	1.144	1	.285
N of Valid Cases	45		

a. 4 cells (44.4%) have expected count less than 5. The minimum expected count is 3.11.