The FREQ Procedure

Frequency	Table of helmet by case		
	case		
helmet	Case	Control	Total
No Helmet	58	37	95
Yes Helmet	13	21	34
Total	71	58	129

Statistics for Table of helmet by case

Statistic	DF	Value	Prob
Chi-Square	1	5.2679	0.0217
Likelihood Ratio Chi-Square	1	5.2685	0.0217
Continuity Adj. Chi-Square	1	4.3862	0.0362
Mantel-Haenszel Chi-Square	1	5.2270	0.0222
Phi Coefficient		0.2021	
Contingency Coefficient		0.1981	
Cramer's V		0.2021	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	58
Left-sided Pr <= F	0.9937
Right-sided Pr >= F	0.0182
Table Probability (P)	0.0119
Two-sided Pr <= P	0.0274

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	2.5322	1.1318	5.6654
Relative Risk (Column 1)	1.5968	1.0116	2.5203
Relative Risk (Column 2)	0.6306	0.4377	0.9085

Sample Size = 129

The POWER Procedure
Pearson Chi-square Test for Proportion Difference

Fixed Scenario Elements	
Distribution	Asymptotic normal
Method	Normal approximation
Alpha	0.05
Reference (Group 1) Proportion	0.362069
Odds Ratio	2.5322
Group 1 Weight	95
Group 2 Weight	34
Total Sample Size	129
Number of Sides	2
Null Odds Ratio	1

Computed Power
Power
0.637

The POWER Procedure
Pearson Chi-square Test for Proportion Difference

Fixed Scenario Elements	
Distribution	Asymptotic normal
Method	Normal approximation
Alpha	0.05
Reference (Group 1) Proportion	0.362069
Odds Ratio	2.5322

Fixed Scenario Elements	
Group 1 Weight	6
Group 2 Weight	7
Nominal Power	0.8
Number of Sides	2
Null Odds Ratio	1

Computed N Total	
Actual Power	N Total
0.816	156

The FREQ Procedure

Frequency

Table of exposure by case			
	case		
exposure	Case	Control	Total
Exposed	5	1	6
Unexposed	5	9	14
Total	10	10	20

Statistics for Table of exposure by case

Statistic	DF	Value	Prob
Chi-Square	1	3.8095	0.0510
Likelihood Ratio Chi-Square	1	4.0700	0.0437
Continuity Adj. Chi-Square	1	2.1429	0.1432
Mantel-Haenszel Chi-Square	1	3.6190	0.0571
Phi Coefficient		0.4364	
Contingency Coefficient		0.4000	
Cramer's V		0.4364	
WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	5
Left-sided Pr <= F	0.9946
Right-sided Pr >= F	0.0704
Table Probability (P)	0.0650
Two-sided Pr <= P	0.1409

Sample Size = 20