The FREQ Procedure

Table 1 of trt by headache
Controlling for gender=male

Frequency
Row Pct

trt	headache y	headache n	Total
Exp	22 39.29	34 60.71	56
Plac	37 67.27	18 32.73	55
Total	59	52	111

Statistics for Table 1 of trt by headache
Controlling for gender=male

Statistic	DF	Value	Prob
Chi-Square	1	8.7283	0.0031
Likelihood Ratio Chi-Square	1	8.8506	0.0029
Continuity Adj. Chi-Square	1	7.6406	0.0057
Mantel-Haenszel Chi-Square	1	8.6497	0.0033
Phi Coefficient		-0.2804	
Contingency Coefficient		0.2700	
Cramer's V		-0.2804	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	22
Left-sided Pr <= F	0.0027
Right-sided Pr >= F	0.9992
Table Probability (P)	0.0020
Two-sided Pr <= P	0.0043

Sample Size = 111

Table 2 of trt by headache
Controlling for gender=female

Frequency
Row Pct

trt	headache y	headache n	Total
Exp	19 33.93	37 66.07	56
Plac	37 64.91	20 35.09	57
Total	56	57	113

The FREQ Procedure

Statistics for Table 2 of trt by headache
Controlling for gender=female

Statistic	*DF*	*Value*	*Prob*
Chi-Square	1	10.8479	0.0010
Likelihood Ratio Chi-Square	1	11.0290	0.0009
Continuity Adj. Chi-Square	1	9.6438	0.0019
Mantel-Haenszel Chi-Square	1	10.7519	0.0010
Phi Coefficient		-0.3098	
Contingency Coefficient		0.2960	
Cramer's V		-0.3098	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	19
Left-sided Pr <= F	0.0009
Right-sided Pr >= F	0.9998
Table Probability (P)	0.0007
Two-sided Pr <= P	0.0013

Sample Size = 113

The FREQ Procedure

Summary Statistics for trt by headache
Controlling for gender

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)

Statistic	*Alternative Hypothesis*	*DF*	*Value*	*Prob*
1	*Nonzero Correlation*	1	19.3553	<.0001
2	*Row Mean Scores Differ*	1	19.3553	<.0001
3	*General Association*	1	19.3553	<.0001

Common Odds Ratio and Relative Risks

Statistic	*Method*	*Value*	*95% Confidence Limits*	
Odds Ratio	Mantel-Haenszel	0.2956	0.1707	0.5118
	Logit	0.2956	0.1706	0.5119
Relative Risk (Column 1)	Mantel-Haenszel	0.5536	0.4195	0.7306
	Logit	0.5555	0.4210	0.7328
Relative Risk (Column 2)	Mantel-Haenszel	1.8697	1.3933	2.5090
	Logit	1.8702	1.3939	2.5092

Breslow-Day Test for Homogeneity of the Odds Ratios	
Chi-Square	0.0504
DF	1
Pr > ChiSq	0.8224

Total Sample Size = 224

The FREQ Procedure

Frequency Row Pct	Table of trt by headache		
	headache		
trt	y	n	Total
Exp	19 33.93	37 66.07	56
Plac	37 64.91	20 35.09	57
Total	56	57	113

Statistics for Table of trt by headache

Statistic	DF	Value	Prob
Chi-Square	1	10.8479	0.0010
Likelihood Ratio Chi-Square	1	11.0290	0.0009
Continuity Adj. Chi-Square	1	9.6438	0.0019
Mantel-Haenszel Chi-Square	1	10.7519	0.0010
Phi Coefficient		-0.3098	
Contingency Coefficient		0.2960	
Cramer's V		-0.3098	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	19
Left-sided Pr <= F	0.0009
Right-sided Pr >= F	0.9998
Table Probability (P)	0.0007
Two-sided Pr <= P	0.0013

Sample Size = 113

The FREQ Procedure

Summary Statistics for trt by headache

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)

Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	10.7519	0.0010
2	Row Mean Scores Differ	1	10.7519	0.0010
3	General Association	1	10.7519	0.0010

Common Odds Ratio and Relative Risks

Statistic	Method	Value	95% Confidence Limits	
Odds Ratio	Mantel-Haenszel	0.2776	0.1278	0.6030
	Logit	0.2776	0.1278	0.6030
Relative Risk (Column 1)	Mantel-Haenszel	0.5227	0.3461	0.7894
	Logit	0.5227	0.3461	0.7894
Relative Risk (Column 2)	Mantel-Haenszel	1.8830	1.2624	2.8088
	Logit	1.8830	1.2624	2.8088

Total Sample Size = 113

The FREQ Procedure

Frequency Row Pct	Table of gender by response			
	response			
gender	UN	NEU	FAV	Total
male	15 15.00	30 30.00	55 55.00	100
female	15 15.00	25 25.00	60 60.00	100
Total	30	55	115	200

Statistics for Table of gender by response

Statistic	DF	Value	Prob
Chi-Square	2	0.6719	0.7146
Likelihood Ratio Chi-Square	2	0.6726	0.7144
Mantel-Haenszel Chi-Square	1	0.2285	0.6327
Phi Coefficient		0.0580	
Contingency Coefficient		0.0579	
Cramer's V		0.0580	

Sample Size = 200

Summary Statistics for gender by response

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.2285	0.6327
2	Row Mean Scores Differ	1	0.2285	0.6327
3	General Association	2	0.6686	0.7158

Total Sample Size = 200

The FREQ Procedure

Frequency Row Pct	Table of gender by response response			
gender	UN	NEU	FAV	Total
male	15 15.00	30 30.00	55 55.00	100
female	15 15.00	25 25.00	60 60.00	100
Total	30	55	115	200

Statistics for Table of gender by response

Statistic	DF	Value	Prob
Chi-Square	2	0.6719	0.7146
Likelihood Ratio Chi-Square	2	0.6726	0.7144
MH Chi-Square (Rank Scores)	1	0.3431	0.5580
Phi Coefficient		0.0580	
Contingency Coefficient		0.0579	
Cramer's V		0.0580	

Sample Size = 200

Summary Statistics for gender by response

Cochran-Mantel-Haenszel Statistics (Based on Rank Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.3431	0.5580
2	Row Mean Scores Differ	1	0.3431	0.5580
3	General Association	2	0.6686	0.7158

Total Sample Size = 200

The FREQ Procedure

Frequency Row Pct	Table of gender by response			
	response			
gender	UN	NEU	FAV	Total
male	15 15.00	30 30.00	55 55.00	100
female	15 15.00	25 25.00	60 60.00	100
Total	30	55	115	200

Statistics for Table of gender by response

Statistic	DF	Value	Prob
Chi-Square	2	0.6719	0.7146
Likelihood Ratio Chi-Square	2	0.6726	0.7144
MH Chi-Square (Mod. Ridits)	1	0.3431	0.5580
Phi Coefficient		0.0580	
Contingency Coefficient		0.0579	
Cramer's V		0.0580	

Sample Size = 200

Summary Statistics for gender by response

Cochran-Mantel-Haenszel Statistics (Modified Ridit Scores)				
Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	0.3431	0.5580
2	Row Mean Scores Differ	1	0.3431	0.5580
3	General Association	2	0.6686	0.7158

Total Sample Size = 200

The FREQ Procedure

Frequency Row Pct	Table 1 of trt by response Controlling for center=c1		
	response		
trt	good	poor	Total
Test	32 74.42	11 25.58	43
Plac	23 53.49	20 46.51	43
Total	55	31	86

Statistics for Table 1 of trt by response
Controlling for center=c1

Statistic	DF	Value	Prob
Chi-Square	1	4.0856	0.0432
Likelihood Ratio Chi-Square	1	4.1303	0.0421
Continuity Adj. Chi-Square	1	3.2282	0.0724
Mantel-Haenszel Chi-Square	1	4.0381	0.0445
Phi Coefficient		0.2180	
Contingency Coefficient		0.2130	
Cramer's V		0.2180	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	32
Left-sided Pr <= F	0.9880
Right-sided Pr >= F	0.0358
Table Probability (P)	0.0238
Two-sided Pr <= P	0.0716

The FREQ Procedure

Statistics for Table 1 of trt by response
Controlling for center=c1

Statistic	*Value*	*ASE*
Gamma	0.4334	0.1886
Kendall's Tau-b	0.2180	0.1046
Stuart's Tau-c	0.2093	0.1011
Somers' D C|R	0.2093	0.1011
Somers' D R|C	0.2270	0.1087
Pearson Correlation	0.2180	0.1046
Spearman Correlation	0.2180	0.1046
Lambda Asymmetric C|R	0.0000	0.0000
Lambda Asymmetric R|C	0.2093	0.1151
Lambda Symmetric	0.1216	0.0684
Uncertainty Coefficient C|R	0.0367	0.0356
Uncertainty Coefficient R|C	0.0346	0.0336
Uncertainty Coefficient Symmetric	0.0357	0.0345

Odds Ratio and Relative Risks

Statistic	*Value*	*95% Confidence Limits*	
Odds Ratio	2.5296	1.0181	6.2854
Relative Risk (Column 1)	1.3913	1.0010	1.9338
Relative Risk (Column 2)	0.5500	0.3012	1.0044

Sample Size = 86

Frequency
Row Pct

Table 2 of trt by response
Controlling for center=c2

	response		
trt	*good*	*poor*	*Total*
Test	29 85.29	5 14.71	34
Plac	15 46.88	17 53.13	32
Total	44	22	66

The FREQ Procedure

Statistics for Table 2 of trt by response
Controlling for center=c2

Statistic	*DF*	*Value*	*Prob*
Chi-Square	1	10.9494	0.0009
Likelihood Ratio Chi-Square	1	11.3886	0.0007
Continuity Adj. Chi-Square	1	9.2888	0.0023
Mantel-Haenszel Chi-Square	1	10.7835	0.0010
Phi Coefficient		0.4073	
Contingency Coefficient		0.3772	
Cramer's V		0.4073	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	29
Left-sided Pr <= F	0.9999
Right-sided Pr >= F	0.0010
Table Probability (P)	0.0009
Two-sided Pr <= P	0.0015

The FREQ Procedure

Statistics for Table 2 of trt by response
Controlling for center=c2

Statistic	*Value*	*ASE*
Gamma	0.7359	0.1375
Kendall's Tau-b	0.4073	0.1094
Stuart's Tau-c	0.3838	0.1070
Somers' D C|R	0.3842	0.1071
Somers' D R|C	0.4318	0.1144
Pearson Correlation	0.4073	0.1094
Spearman Correlation	0.4073	0.1094
Lambda Asymmetric C|R	0.0909	0.2452
Lambda Asymmetric R|C	0.3750	0.1159
Lambda Symmetric	0.2593	0.1539
Uncertainty Coefficient C|R	0.1355	0.0750
Uncertainty Coefficient R|C	0.1246	0.0698
Uncertainty Coefficient Symmetric	0.1298	0.0722

Odds Ratio and Relative Risks

Statistic	*Value*	*95% Confidence Limits*	
Odds Ratio	6.5733	2.0281	21.3053
Relative Risk (Column 1)	1.8196	1.2266	2.6993
Relative Risk (Column 2)	0.2768	0.1157	0.6624

Sample Size = 66

The FREQ Procedure

Summary Statistics for trt by response
Controlling for center

Cochran-Mantel-Haenszel Statistics (Based on Table Scores)

Statistic	*Alternative Hypothesis*	*DF*	*Value*	*Prob*
1	*Nonzero Correlation*	1	13.4367	0.0002
2	*Row Mean Scores Differ*	1	13.4367	0.0002
3	*General Association*	1	13.4367	0.0002

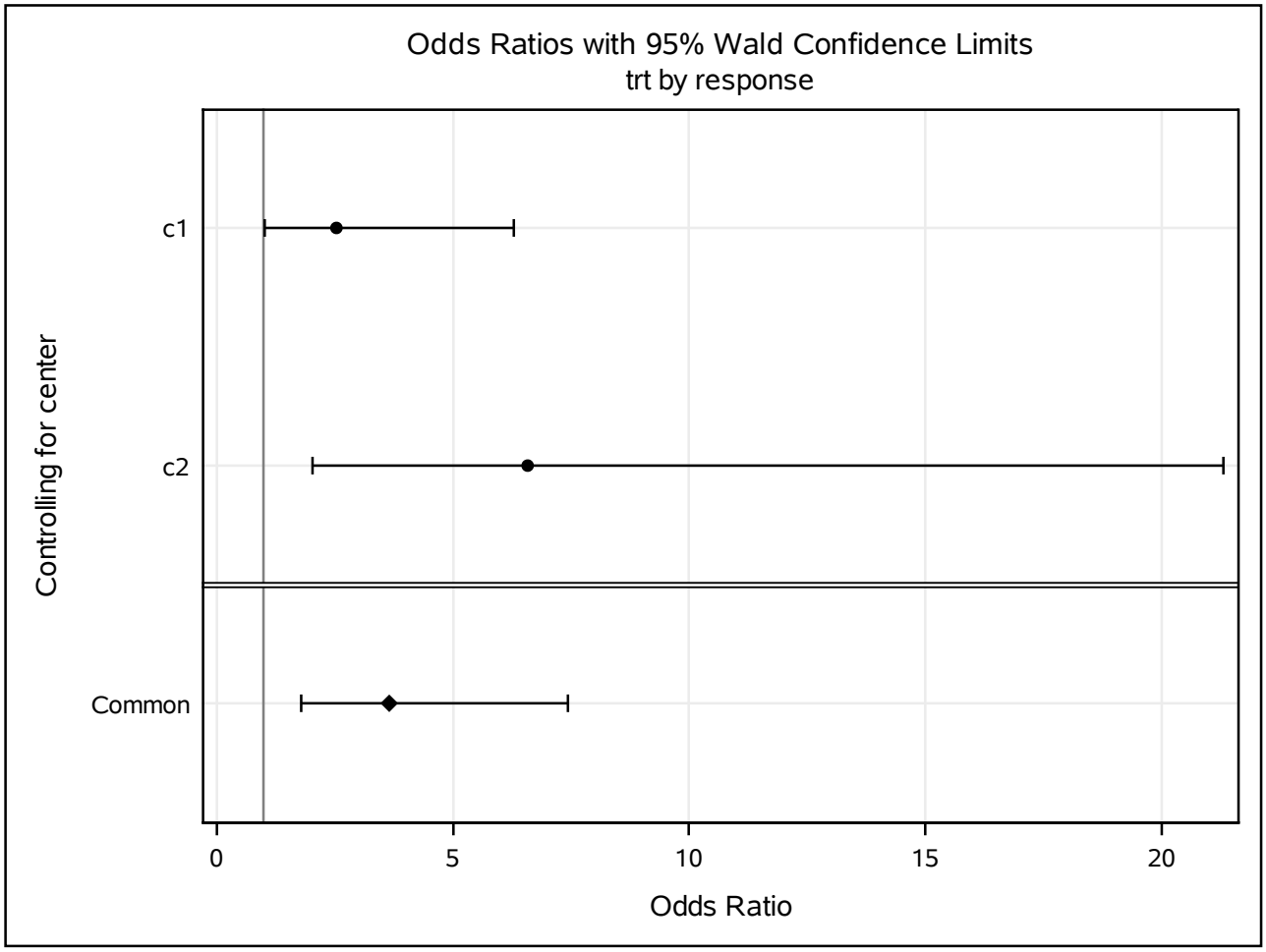
Common Odds Ratio and Relative Risks

Statistic	*Method*	*Value*	*95% Confidence Limits*	
Odds Ratio	Mantel-Haenszel	3.6564	1.7984	7.4341
	Logit	3.6176	1.7613	7.4303
Relative Risk (Column 1)	Mantel-Haenszel	1.5634	1.2146	2.0125
	Logit	1.5534	1.2065	2.0001
Relative Risk (Column 2)	Mantel-Haenszel	0.4225	0.2581	0.6916
	Logit	0.4407	0.2685	0.7234

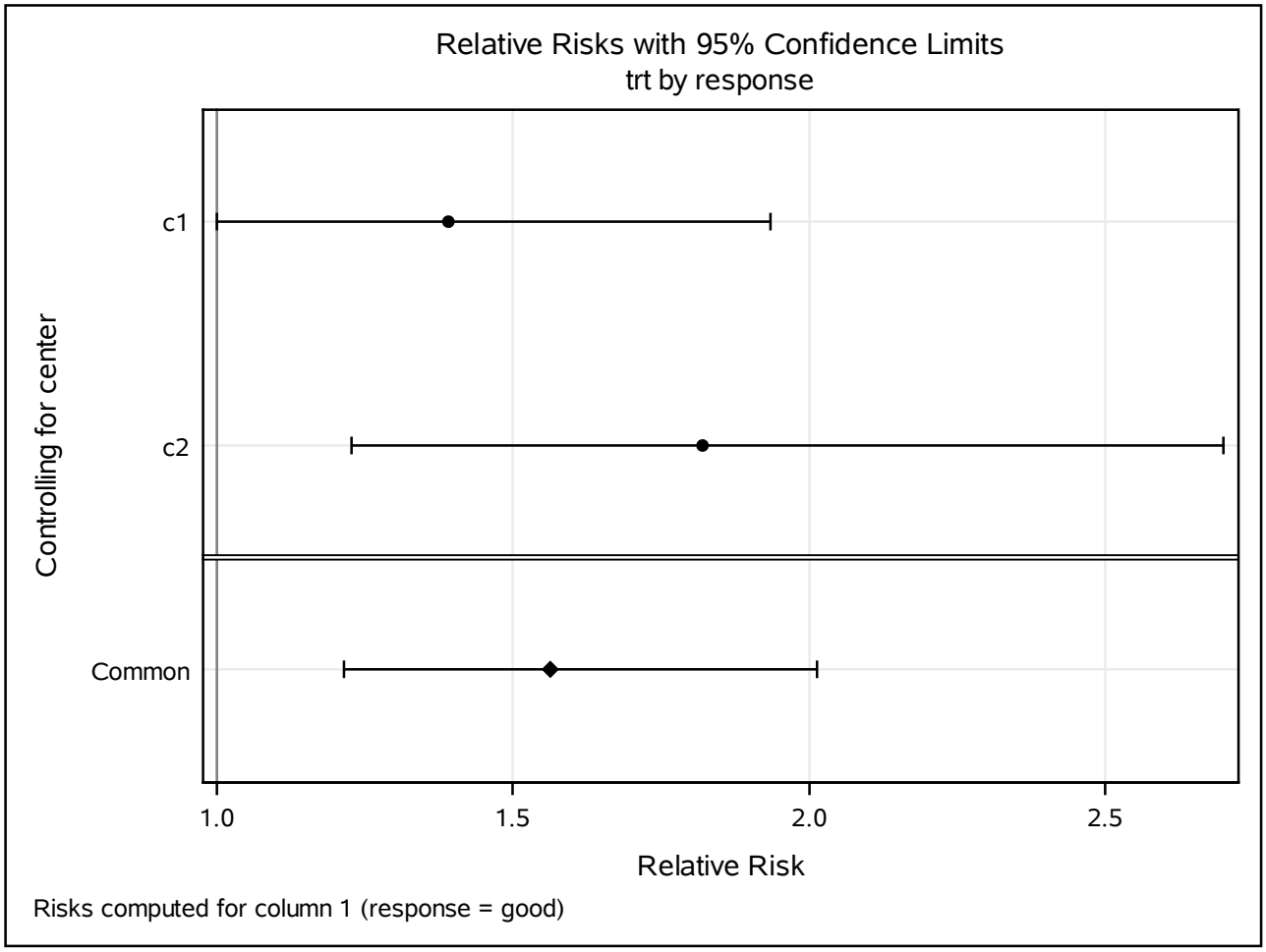
Breslow-Day Test for Homogeneity of the Odds Ratios	
Chi-Square	1.5989
DF	1
Pr > ChiSq	0.2061

Total Sample Size = 152

The FREQ Procedure



The FREQ Procedure



Risks computed for column 1 (response = good)

The FREQ Procedure

Frequency Row Pct	Table 1 of trt by response Controlling for center=c1		
	response		
trt	good	poor	Total
Test	32 74.42	11 25.58	43
Plac	23 53.49	20 46.51	43
Total	55	31	86

Statistics for Table 1 of trt by response
Controlling for center=c1

Statistic	DF	Value	Prob
Chi-Square	1	4.0856	0.0432
Likelihood Ratio Chi-Square	1	4.1303	0.0421
Continuity Adj. Chi-Square	1	3.2282	0.0724
MH Chi-Square (Mod. Ridits)	1	4.0381	0.0445
Phi Coefficient		0.2180	
Contingency Coefficient		0.2130	
Cramer's V		0.2180	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	32
Left-sided Pr <= F	0.9880
Right-sided Pr >= F	0.0358
Table Probability (P)	0.0238
Two-sided Pr <= P	0.0716

The FREQ Procedure

Statistics for Table 1 of trt by response
Controlling for center=c1

Statistic	*Value*	*ASE*
Gamma	0.4334	0.1886
Kendall's Tau-b	0.2180	0.1046
Stuart's Tau-c	0.2093	0.1011
Somers' D C|R	0.2093	0.1011
Somers' D R|C	0.2270	0.1087
Pearson Correlation (Mod. Ridits)	0.2180	0.1046
Spearman Correlation	0.2180	0.1046
Lambda Asymmetric C|R	0.0000	0.0000
Lambda Asymmetric R|C	0.2093	0.1151
Lambda Symmetric	0.1216	0.0684
Uncertainty Coefficient C|R	0.0367	0.0356
Uncertainty Coefficient R|C	0.0346	0.0336
Uncertainty Coefficient Symmetric	0.0357	0.0345

Odds Ratio and Relative Risks

Statistic	*Value*	*95% Confidence Limits*	
Odds Ratio	2.5296	1.0181	6.2854
Relative Risk (Column 1)	1.3913	1.0010	1.9338
Relative Risk (Column 2)	0.5500	0.3012	1.0044

Sample Size = 86

Frequency
Row Pct

Table 2 of trt by response
Controlling for center=c2

	response		
trt	*good*	*poor*	*Total*
Test	29 85.29	5 14.71	34
Plac	15 46.88	17 53.13	32
Total	44	22	66

The FREQ Procedure

Statistics for Table 2 of trt by response
Controlling for center=c2

Statistic	*DF*	*Value*	*Prob*
Chi-Square	1	10.9494	0.0009
Likelihood Ratio Chi-Square	1	11.3886	0.0007
Continuity Adj. Chi-Square	1	9.2888	0.0023
MH Chi-Square (Mod. Ridits)	1	10.7835	0.0010
Phi Coefficient		0.4073	
Contingency Coefficient		0.3772	
Cramer's V		0.4073	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	29
Left-sided Pr <= F	0.9999
Right-sided Pr >= F	0.0010
Table Probability (P)	0.0009
Two-sided Pr <= P	0.0015

The FREQ Procedure

Statistics for Table 2 of trt by response
Controlling for center=c2

Statistic	*Value*	*ASE*
Gamma	0.7359	0.1375
Kendall's Tau-b	0.4073	0.1094
Stuart's Tau-c	0.3838	0.1070
Somers' D C|R	0.3842	0.1071
Somers' D R|C	0.4318	0.1144
Pearson Correlation (Mod. Ridits)	0.4073	0.1094
Spearman Correlation	0.4073	0.1094
Lambda Asymmetric C|R	0.0909	0.2452
Lambda Asymmetric R|C	0.3750	0.1159
Lambda Symmetric	0.2593	0.1539
Uncertainty Coefficient C|R	0.1355	0.0750
Uncertainty Coefficient R|C	0.1246	0.0698
Uncertainty Coefficient Symmetric	0.1298	0.0722

Odds Ratio and Relative Risks

Statistic	*Value*	*95% Confidence Limits*	
Odds Ratio	6.5733	2.0281	21.3053
Relative Risk (Column 1)	1.8196	1.2266	2.6993
Relative Risk (Column 2)	0.2768	0.1157	0.6624

Sample Size = 66

The FREQ Procedure

Summary Statistics for trt by response
Controlling for center

Cochran-Mantel-Haenszel Statistics (Modified Ridit Scores)

Statistic	*Alternative Hypothesis*	*DF*	*Value*	*Prob*
1	*Nonzero Correlation*	1	13.4069	0.0003
2	*Row Mean Scores Differ*	1	13.4218	0.0002
3	*General Association*	1	13.4367	0.0002

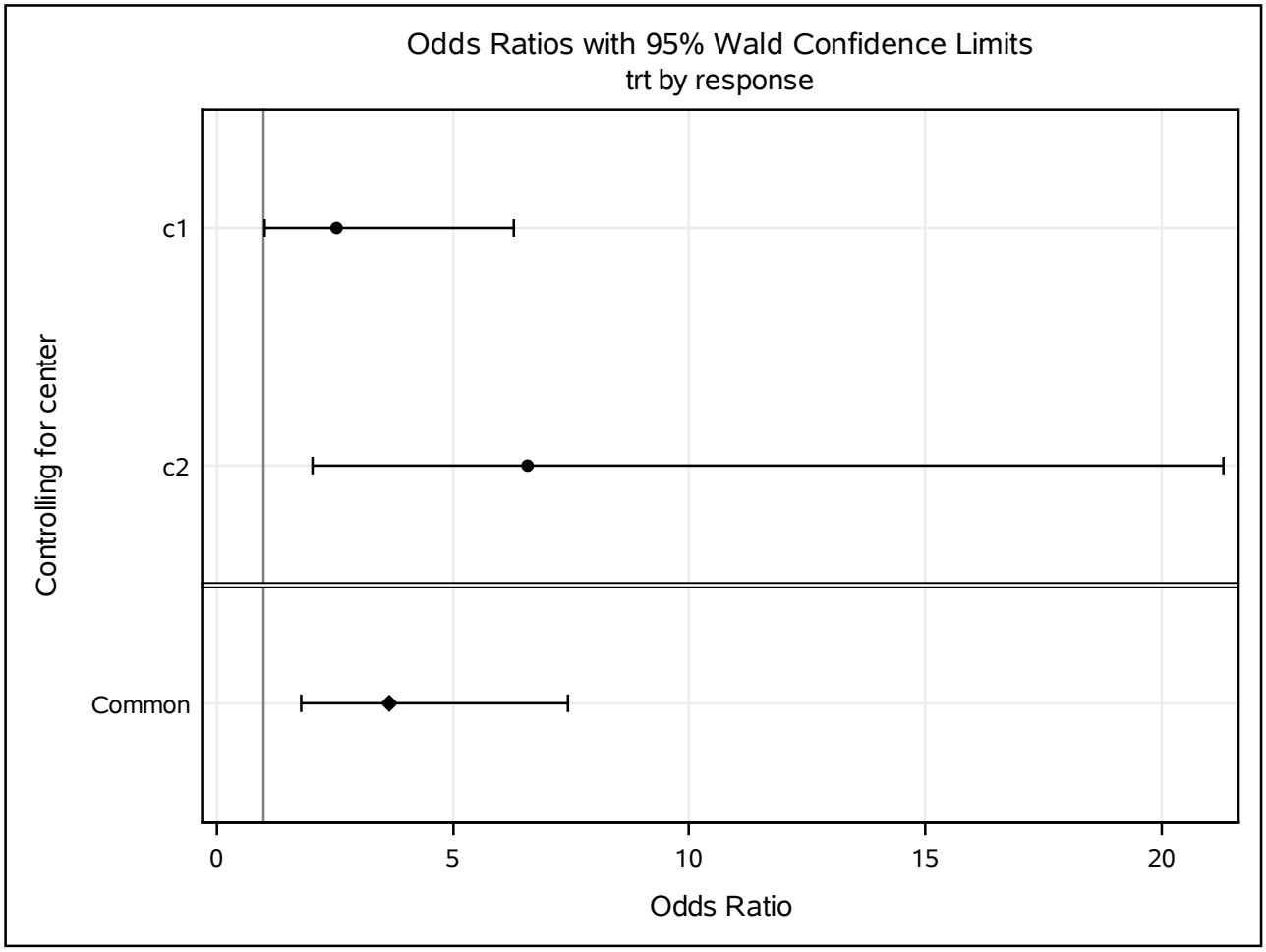
Common Odds Ratio and Relative Risks

Statistic	*Method*	*Value*	*95% Confidence Limits*	
Odds Ratio	Mantel-Haenszel	3.6564	1.7984	7.4341
	Logit	3.6176	1.7613	7.4303
Relative Risk (Column 1)	Mantel-Haenszel	1.5634	1.2146	2.0125
	Logit	1.5534	1.2065	2.0001
Relative Risk (Column 2)	Mantel-Haenszel	0.4225	0.2581	0.6916
	Logit	0.4407	0.2685	0.7234

Breslow-Day Test for Homogeneity of the Odds Ratios	
Chi-Square	1.5989
DF	1
Pr > ChiSq	0.2061

Total Sample Size = 152

The FREQ Procedure



The FREQ Procedure