

SAS Output

- The results using all of the data ($161\ 2 \times 2$ tables) are:

All Data

SUMMARY STATISTICS FOR TIME BY DKA CONTROLLING FOR ID

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

Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	5.538	0.019
2	Row Mean Scores Differ	1	5.538	0.019
3	General Association	1	5.538	0.019

Total Sample Size = 322

- The results using only the discordant pairs ($26\ 2 \times 2$ tables) are:

Discordant Pairs Only

SUMMARY STATISTICS FOR TIME BY DKA CONTROLLING FOR ID

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

Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	5.538	0.019
2	Row Mean Scores Differ	1	5.538	0.019
3	General Association	1	5.538	0.019

Total Sample Size = 52

- In both analyses, $Q = (19 - 7)^2 / (19 + 7) = 5.538$

SAS Output

- Using the scores 0, 1, 2, 3 for symptom severity, the results are:

SUMMARY STATISTICS FOR DAY BY DRAIN CONTROLLING FOR ID

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

Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	4.355	0.037
2	Row Mean Scores Differ	3	4.935	0.177
3	General Association	9	10.127	0.340

Total Sample Size = 120

- The observed mean scores at days 1, 2, 3, and 4 were 1.50, 1.37, 1.37, and 1.17, respectively

- Using rank scores for symptom severity, the results are:

SUMMARY STATISTICS FOR DAY BY DRAIN CONTROLLING FOR ID

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

Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	2.682	0.101
2	Row Mean Scores Differ	3	3.350	0.341
3	General Association	9	10.127	0.340

Total Sample Size = 120

- The observed mean rank scores at days 1, 2, 3, and 4 were 2.67, 2.52, 2.55, and 2.27, respectively

SAS Output

- The results using all of the data ($522\ 3 \times 2$ tables) are:

SUMMARY STATISTICS FOR YEAR BY OBESE CONTROLLING FOR ID

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

Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	3.969	0.046
2	Row Mean Scores Differ	2	4.183	0.123
3	General Association	2	4.183	0.123

Frequency Missing = 455

Effective Sample Size = 1111

***** WARNING: 29% of the data are missing *****

- $Q_G = 4.183$, $df = 2$, $p = .123$

- The results using only those subjects from whom the response was obtained at all three surveys ($225\ 3 \times 2$ tables) are:

SUMMARY STATISTICS FOR YEAR BY OBESE CONTROLLING FOR ID

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

Statistic	Alternative Hypothesis	DF	Value	Prob
1	Nonzero Correlation	1	1.745	0.186
2	Row Mean Scores Differ	2	2.655	0.265
3	General Association	2	2.655	0.265

Total Sample Size = 675

- $Q_G = 2.655$, $df = 2$, $p = .265$