Odds Ratio Generator

Study Details
Study / Client Identifier: Killem & Bury
Assessment Details: Pre- to Post-Treatment
Measurement Device: DASS-21

Option Selected = 3 * 2: 'Improved', 'No Change' & 'Deterioration'
Number in treatment group who improved: 22
Number in treatment group who didn't change / unimproved: 16
Number in control group who deteriorated: 6
Number in control group who improved: 6
Number in control group who didn't change / unimproved: 25
Number in control group who deteriorated: 13
Number who improved, irrespective of condition: 28
Number in control group who deteriorated, irrespective of condition: 41
Tx Group Size: 44  Ctrl Group Size: 44  Total Sample Size: 88

Chi Squared: 13.69741; df: 2; 2 Tailed p = 0.00106; 1 Tailed p = 0.00053.
Cramer's Phi (r): 0.39453. Pearsons' C: 0.367.

Confidence Intervals: 90%.
Event Rates - Treatment Group:
Improving: 0.5; Staying the same / unimproved: 0.36364; Deteriorating: 0.13636.

Event Rates - Control Group:
Improving: 0.13636; Staying the same / unimproved: 0.56818; Deteriorating: 0.29545.

Relative Risks (-/+ 90% Confidence Intervals) [Relative Risk Increase %:]
Improving: 3.66667 (1.87 - 7.18) [266.67%].
Staying the same / unimproved: 0.64 (0.43 - 0.95) [-36%].
Deteriorating: 0.46154 (0.22 - 0.96) [-53.85%].

Absolute Risk Of Improvement(-/+ 90% Confidence Intervals):
Improving: 0.36364 (0.2133 - 0.514).
Staying the same / unimproved: -0.20455 (-0.3758 - -0.0333).
Deteriorating: -0.15909 (-0.3007 - -0.0175).

Event Odds - Treatment Group:
Improving: 1; Staying the same / unimproved: 0.57143; Deteriorating: 0.15789.

Event Odds - Control Group:
Improving: 0.15789; Staying the same / unimproved: 1.31579; Deteriorating: 0.41935.

Odds Ratios (-/+ 90% Confidence Intervals):
Odds Ratio of getting better: 6.33333 (2.64 - 15.21).
Odds Ratio of staying the same / unimproved: 0.43429 (0.21 - 0.89).
Odds Ratio of getting worse: 0.37652 (0.15 - 0.93).

Numbers Needed For 'Treatment' And 'Harm' (-/+ 90% Confidence Intervals):
NNT: 2.75 (1.9455 - 4.6892); NNH: -6.28571 (-57.0648 - -3.326).