

# Odds Ratio Generator

## Study Details

Study / Client Identifier: Killlem & 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 who didn't change / unimproved, irrespective of condition: 41

Number in control group who deteriorated: 19

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).