

Models In Epidemiology And Biostatistics

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Oesophageal Cancer Study

A matched case- control study was conducted in southern Thailand to study the association between oesophageal cancer and alcohol consumption. Cases (n= 40) were recruited. Age- and sex- matched controls (n= 129) were selected from closest neighbours of the case. The case : control ratio varied from 1:1 to 1:6, depending on the availability of controls. Smoking and Exposure to the Rubber Industry were thought to be possible confounders/modifiers in addition to Age and Sex. Data is in oeso.dta

```

                No. of controls exposed
No. of cases exposed 0 1
                    0 2 0
                    1 1 0

```

```

                No. of controls exposed
No. of cases exposed 0 1 2
                    0 0 0 1
                    1 2 0 0

```

```

                No. of controls exposed
No. of cases exposed 0 1 2 3
                    0 2 2 0 0
                    1 1 1 1 0

```

```

                No. of controls exposed
No. of cases exposed 0 1 2 3 4
                    0 0 0 1 0 0
                    1 0 2 2 1 0

```

```

                No. of controls exposed
No. of cases exposed 0 1 2 3 4 5
                    0 1 0 0 0 0 0
                    1 1 0 1 0 0 0

```

```

                No. of controls exposed
No. of cases exposed 0 1 2 3 4 5 6
                    0 0 0 0 0 0 0
                    1 0 0 2 1 0 0 1

```

```

. clogit alcohol case, group(matset)
note: multiple positive outcomes within groups encountered.
note: 6 groups (25 obs) dropped because of all positive or
      all negative outcomes.

```

Conditional (fixed-effects) logistic regression

```

                                Number of obs    =          94
                                LR chi2(1)        =          11.14
                                Prob > chi2       =          0.0008
                                Pseudo R2        =          0.1396
Log likelihood = -34.329949

```

```

-----+-----
      alcohol |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      case |   1.732612   .5809341     2.98   0.003     .5940023     2.871222
-----+-----

```