

```

/* SAS program to compare two binomial */
/* proportions; data are from the 6-yr */
/* aspirin/heart attack study of 22,000 */
/* physicians (NEJM vol 318(4)). Trt: */
/* a = aspirin, b = placebo. Heart: */
/* a = heart attack, b = no heart attack. */

options nocenter ls=72;
data;
  input trt $ y n;
  cards;
a 104 11000
b 189 11000
;
proc genmod;
  class trt;
  model y/n=trt / dist=bin
                    link=logit
                    lrci;
run;

```

The GENMOD Procedure

Model Information

| | |
|----------------------------|------------|
| Data Set | WORK.DATA2 |
| Distribution | Binomial |
| Link Function | Logit |
| Response Variable (Events) | y |
| Response Variable (Trials) | n |
| Observations Used | 2 |
| Number Of Events | 293 |
| Number Of Trials | 22000 |

Class Level Information

| Class | Levels | Values |
|-------|--------|--------|
| trt | 2 | a b |

Criteria For Assessing Goodness Of Fit

| Criterion | DF | Value | Value/DF |
|--------------------|----|------------|----------|
| Deviance | 0 | 0.0000 | . |
| Scaled Deviance | 0 | 0.0000 | . |
| Pearson Chi-Square | 0 | 0.0000 | . |
| Scaled Pearson X2 | 0 | 0.0000 | . |
| Log Likelihood | | -1543.7225 | |

Algorithm converged.

Analysis Of Parameter Estimates

| Parameter | DF | Estimate | Standard Error | Likelihood Ratio | | Chi-Square |
|-----------|----|----------|----------------|-----------------------|---------|------------|
| | | | | 95% Confidence Limits | | |
| Intercept | 1 | -4.0466 | 0.0734 | -4.1938 | -3.9060 | 3041.65 |
| trt | a | -0.6052 | 0.1228 | -0.8490 | -0.3669 | 24.27 |
| trt | b | 0.0000 | 0.0000 | 0.0000 | 0.0000 | . |
| Scale | 0 | 1.0000 | 0.0000 | 1.0000 | 1.0000 | |

Parameter Pr > ChiSq

Intercept <.0001
trt a <.0001
trt b .
Scale

NOTE: The scale parameter was held fixed.