

表十七 Poisson Regression模型

$$\log ij = \beta_0 + \beta_1 \text{sex } i + \beta_2 \text{age } i + \beta_{31} \text{stage1 } j + \beta_{32} \text{stage2 } j$$

| 參數                  | 重抽樣估計值  | standard error <sup>註</sup> | Z        | p 值     |
|---------------------|---|-----------------------------|----------|---------|
| $\beta_1$ SEX       | $\hat{\beta}_1 = 1/25 (\hat{\beta}_{1(1)} + \hat{\beta}_{1(2)} + \dots + \hat{\beta}_{1(25)}) = -0.1437$      | 0.00312                     | -46.0576 | <0.0001 |
| $\beta_2$ AGE       | $\hat{\beta}_2 = 1/25 (\hat{\beta}_{2(1)} + \hat{\beta}_{2(2)} + \dots + \hat{\beta}_{2(25)}) = 0.0065$       | 0.00009                     | 72.2222  | <0.0001 |
| $\beta_{31}$ STAGE1 | $\hat{\beta}_{31} = 1/25 (\hat{\beta}_{31(1)} + \hat{\beta}_{31(2)} + \dots + \hat{\beta}_{31(25)}) = 0.1906$ | 0.00134                     | 142.2388 | <0.0001 |
| $\beta_{32}$ STAGE2 | $\hat{\beta}_{32} = 1/25 (\hat{\beta}_{32(1)} + \hat{\beta}_{32(2)} + \dots + \hat{\beta}_{32(25)}) = 0.0549$ | 0.00100                     | 54.9000  | <0.0001 |



<sup>註</sup>standard error 計算公式為： $\hat{s}_1 = 1/25 (\hat{s}_{1(1)} + \hat{s}_{1(2)} + \dots + \hat{s}_{1(25)}) \times 1/10$