# Cox models, bivariate

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Model LL** | **Variable** | **Hazard ratio** | **HR 95% CI, lower** | **HR 95% CI, higher** | **P value** |
| (APACHE II score) + MMI | -95·9 | APACHE II score | 1·1 | 1·0 | 1·1 | 0·004 |
| ·· | ·· | MMI | 1·5 | 1·2 | 1·9 | 0·00046 |
| (APACHE II score) + (MMI > 0) | -96·6 | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0033 |
| ·· | ·· | MMI > 0 | 2·5 | 1·4 | 4·6 | 0·0029 |
| ARDS + MMI | -97·4 | MMI | 1·4 | 1·1 | 1·7 | 0·0046 |
| ·· | ·· | ARDS | 1·9 | 1·0 | 3·8 | 0·063 |
| ARDS + (MMI > 0) | -97·4 | MMI > 0 | 2·3 | 1·2 | 4·2 | 0·01 |
| ·· | ·· | ARDS | 2·1 | 1·1 | 4·1 | 0·035 |
| (APACHE II score) + ARDS | -98·2 | ARDS | 1·8 | 1·0 | 3·5 | 0·066 |
| ·· | ·· | APACHE II score | 1·1 | 1·0 | 1·1 | 0·034 |
| (Gender (male)) + MMI | -98·2 | Gender (male) | 0·6 | 0·3 | 1·3 | 0·2 |
| ·· | ·· | MMI | 1·4 | 1·1 | 1·8 | 0·0015 |
| (Gender (male)) + (MMI > 0) | -98·6 | MMI > 0 | 2·4 | 1·2 | 4·6 | 0·012 |
| ·· | ·· | Gender (male) | 0·6 | 0·3 | 1·2 | 0·19 |
| MMI + (MMI > 0) | -98·7 | MMI | 1·3 | 1·0 | 1·7 | 0·1 |
| ·· | ·· | MMI > 0 | 1·5 | 0·6 | 3·5 | 0·38 |
| Vancomycin + MMI | -98·7 | Vancomycin | 1·3 | 0·6 | 2·5 | 0·48 |
| ·· | ·· | MMI | 1·4 | 1·1 | 1·7 | 0·0028 |
| Malignancy + MMI | -98·7 | MMI | 1·4 | 1·1 | 1·7 | 0·0036 |
| ·· | ·· | Malignancy | 1·3 | 0·7 | 2·5 | 0·45 |
| Vancomycin + (MMI > 0) | -98·7 | Vancomycin | 1·5 | 0·8 | 2·9 | 0·24 |
| ·· | ·· | MMI > 0 | 2·3 | 1·2 | 4·4 | 0·01 |
| Ciprofloxacin + MMI | -98·8 | Ciprofloxacin | 1·2 | 0·6 | 2·5 | 0·62 |
| ·· | ·· | MMI | 1·4 | 1·1 | 1·7 | 0·0014 |
| Age + MMI | -98·9 | MMI | 1·4 | 1·1 | 1·7 | 0·0014 |
| ·· | ·· | Age | 1·0 | 1·0 | 1·0 | 0·65 |