# Cox models

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| --- | --- | --- | --- | --- | --- | --- |
| Model | Model LL | Variable | Hazard ratio | HR 95% CI, lower | HR 95% CI, higher | P value |
| ·· | ·· | Gender (male) | 0·5 | 0·3 | 1·0 | 0·046 |
| ·· | ·· | MMI | 1·6 | 1·3 | 1·9 | 5·8e-05 |
| ·· | ·· | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0026 |
| (Gender (male)) + (APACHE II score) + ARDS + (MMI > 0) | -93·7 | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0051 |
| ·· | ·· | ARDS | 2·0 | 1·1 | 3·7 | 0·025 |
| ·· | ·· | Gender (male) | 0·5 | 0·3 | 0·9 | 0·028 |
| ·· | ·· | MMI > 0 | 3·1 | 1·7 | 5·6 | 0·00015 |
| (APACHE II score) + ARDS + Sepsis-3 + MMI | -94·2 | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0032 |
| ·· | ·· | MMI | 1·5 | 1·2 | 1·8 | 0·00038 |
| ·· | ·· | Sepsis-3 | 0·7 | 0·3 | 1·4 | 0·28 |
| ·· | ·· | ARDS | 2·0 | 1·0 | 3·8 | 0·045 |
| Age + (APACHE II score) + ARDS + MMI | -94·3 | ARDS | 1·8 | 1·0 | 3·4 | 0·055 |
| ·· | ·· | MMI | 1·5 | 1·2 | 1·8 | 0·0002 |
| ·· | ·· | Age | 1·0 | 1·0 | 1·0 | 0·36 |
| ·· | ·· | APACHE II score | 1·1 | 1·0 | 1·1 | 0·003 |
| (APACHE II score) + ARDS + Immunosuppressed + MMI | -94·6 | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0054 |
| ·· | ·· | ARDS | 1·8 | 0·9 | 3·4 | 0·075 |
| ·· | ·· | Immunosuppressed | 1·0 | 0·6 | 2·0 | 0·88 |
| ·· | ·· | MMI | 1·5 | 1·2 | 1·8 | 0·00084 |
| (APACHE II score) + ARDS + Vancomycin + MMI | -94·6 | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0054 |
| ·· | ·· | ARDS | 1·8 | 0·9 | 3·4 | 0·08 |
| ·· | ·· | MMI | 1·5 | 1·2 | 1·9 | 0·001 |
| ·· | ·· | Vancomycin | 1·0 | 0·5 | 2·0 | 0·97 |
| (APACHE II score) + ARDS + Malignancy + MMI | -94·6 | MMI | 1·5 | 1·2 | 1·8 | 0·00059 |
| ·· | ·· | Malignancy | 1·0 | 1·0 | 1·0 | 0·88 |
| ·· | ·· | ARDS | 1·8 | 0·9 | 3·4 | 0·075 |
| ·· | ·· | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0046 |
| (APACHE II score) + ARDS + Ciprofloxacin + MMI | -94·6 | MMI | 1·5 | 1·2 | 1·8 | 0·00059 |
| ·· | ·· | Ciprofloxacin | 1·0 | 1·0 | 1·0 | 0·85 |
| ·· | ·· | ARDS | 1·8 | 0·9 | 3·4 | 0·075 |
| ·· | ·· | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0046 |
| (APACHE II score) + ARDS + Diabetes + MMI | -94·6 | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0046 |
| ·· | ·· | ARDS | 1·8 | 0·9 | 3·4 | 0·075 |
| ·· | ·· | Diabetes | 1·0 | 1·0 | 1·0 | 0·91 |
| ·· | ·· | MMI | 1·5 | 1·2 | 1·8 | 0·00059 |
| (APACHE II score) + ARDS + Ceftriaxone + MMI | -94·6 | APACHE II score | 1·1 | 1·0 | 1·1 | 0·0046 |
| ·· | ·· | ARDS | 1·8 | 0·9 | 3·4 | 0·075 |
| ·· | ·· | Ceftriaxone | 1·0 | 1·0 | 1·0 | 0·93 |
| ·· | ·· | MMI | 1·5 | 1·2 | 1·8 | 0·00059 |