**Supplemental Table 3.** Interaction effects for primary outcome: inpatient mortality

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Significant (p < 0.05) interaction term with sex variable** | **Category of valve surgery type variable** | **Reference category** | **Linear combination aOR (95% CI)** | **p value** |
| Female | Aortic valve repair | Male, valve + CABG | 1.18 (0.96-1.46) | 0.117 |
| Female | Aortic valve replacement | Male, valve + CABG | 0.78 (0.72-0.84 | <0.001 |
| Female | Mitral valve replacement | Male, valve + CABG | 1.04 (0.97-1.12) | 0.252 |
| Female | Multi-valve | Male, valve + CABG | 1.67 (1.53-1.84) | <0.001 |
| Female | Other single valve | Male, valve + CABG | 0.95 (0.78-1.15) | 0.613 |

Adjusted Odds Ratios (aORs) reported represent the association of sex and mortality within category of valve surgery type.