**Appendix 6. Survival model showing accelerated delirium incidence for medication classes administered in hospital controlling for hospital where the surgery occurred**

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|  | **Model 1**  **Adjusted hazard ratio*a***  **(95% CI)** | **Model 2**  **Adjusted hazard ratio*b***  **(95% CI)** |
| Antipsychotics | 1.50 (0.75 to 2.97) | 1.49 (0.75 to 2.97) |
| Benzodiazepines | 3.04 (1.98 to 4.68) | 3.24 (2.10 to 4.99) |
| Any opioid | 0.83 (0.62 to 1.11) | 0.81 (0.60 to 1.09) |
| Hospital | 0.85 (0.63 to 1.16) | 0.87 (0.64 to 1.18) |

*a*Models adjusted for age, gender, surgery type, Charlson comorbidity index, APACHE-II score, and cognition at baseline.

*b*Models adjusted for age, gender, surgery type, Charlson comorbidity index, APACHE-II score, cognition at baseline, and worst pain.