**Appendix 5. Survival model showing accelerated delirium incidence for medication classes administered in hospital not controlling for severity of illness**

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|  | **Model 1****Adjusted hazard ratio*a*****(95% CI)** | **Model 2****Adjusted hazard ratio*b*****(95% CI)** |
| Antipsychotics | 2.83 (1.77 to 4.52) | 2.89 (1.81 to 4.61) |
| Benzodiazepines | 1.50 (1.14 to 1.97) | 1.61 (1.22 to 2.13) |
| Any opioid | 1.13 (0.91 to 1.39) | 1.11 (0.90 to 1.37) |
|  Injectable opioid | 1.64 (1.28 to 2.11) | 1.68 (1.31 to 2.16) |
|  Oral opioid | 0.72 (0.57 to 0.90) | 0.72 (0.57 to 0.90) |

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

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