Title: The costs and healthcare resource utilization associated with anticholinergic burden in long-stay nursing home residents with overactive bladder

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### Supplementary Table 3. Health care utilization in patients with OAB during first 180 days of nursing home admission: results from propensity score-adjusted negative binomial regression analysis

| Utilization       | Cumulative anticholinergic burden | Unadjusted        | Adjusted          |
|-------------------|----------------------------------|-------------------|-------------------|
|                   |                                  | IRR [95% CI]      | IRR [95% CI]      |
| Hospital admission| No                               | Reference         | Reference         |
|                   | Low                              | 1.60 (1.54-1.67)  | 1.30 (1.24-1.35)  |
|                   | Moderate                         | 1.51 (1.45-1.57)  | 1.12 (1.08-1.16)  |
|                   | High                             | 1.37 (1.32-1.43)  | 0.96 (0.92-1.00)  |
| OD visits         | No                               | Reference         | Reference         |
|                   | Low                              | 1.12 (1.10-1.15)  | 1.06 (1.04-1.08)  |
|                   | Moderate                         | 1.29 (1.27-1.32)  | 1.13 (1.11-1.15)  |
|                   | High                             | 1.50 (1.58-1.66)  | 1.24 (1.21-1.27)  |
| Physician visits  | No                               | Reference         | Reference         |
|                   | Low                              | 1.13 (1.09-1.16)  | 1.05 (1.02-1.09)  |
|                   | Moderate                         | 1.27 (1.23-1.31)  | 1.08 (1.04-1.11)  |
|                   | High                             | 1.44 (1.40-1.49)  | 1.14 (1.10-1.18)  |
| ER visits         | No                               | Reference         | Reference         |
|                   | Low                              | 1.47 (1.38-1.47)  | 1.21 (1.18-1.25)  |
|                   | Moderate                         | 1.42 (1.38-1.46)  | 1.15 (1.11-1.18)  |
|                   | High                             | 1.41 (1.37-1.46)  | 1.09 (1.06-1.13)  |

Abbreviations: ER = emergency room; CI = confidence interval; IRR = incidence rate ratio; OAB = overactive bladder; OD = outpatient department