# Supplementary material

**Table S1. Myasthenia gravis diagnosis codes.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Read code in CPRD** | **Read term** | **ICD-10 code in HES** | **Description** |
| F380.00 | Myasthenia gravis | G70.00 | Myasthenia Gravis without acute exacerbation |
| F380z00 | Myasthenia gravis NOS | G70.01 | Myasthenia Gravis acute exacerbation |
| F380100 | Juvenile or adult myasthenia gravis | G70.0 | Myasthenia Gravis |
| F383.00 | Congenital and developmental myasthenia |  |  |

Abbreviation: NOS, not otherwise specified

**Table S2. Mean rates per person years and 95% CIs for healthcare resource utilization**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Refractory MG** | | |  | **Non-refractory MG** | | |  | **Non-MG control** | | |
|  | **Mean** | **95% CI** | |  | **Mean** | **95% CI** | |  | **Mean** | **95% CI** | |
| **Category of healthcare resource utilization** | **Lower limit** | **Upper limit** |  | **Lower limit** | **Upper limit** |  | **Lower limit** | **Upper limit** |
| GP visits | 13.62 | 13.29 | 13.97 |  | 9.53 | 9.45 | 9.61 |  | 6.36 | 6.23 | 6.49 |
| Visits to other healthcare professionals | 11.47 | 11.16 | 11.78 |  | 6.89 | 6.82 | 6.96 |  | 4.24 | 4.14 | 4.35 |
| GP phone calls or administrative tasks | 44.17 | 43.56 | 44.79 |  | 30.61 | 30.47 | 30.76 |  | 16.81 | 16.60 | 17.02 |
| Outpatient hospital visits | 7.10 | 6.86 | 7.35 |  | 4.77 | 4.71 | 4.83 |  | 2.09 | 2.02 | 2.17 |
| ER visits | 0.44 | 0.38 | 0.51 |  | 0.33 | 0.31 | 0.34 |  | 0.22 | 0.20 | 0.25 |
| Inpatient hospitalization | 1.53 | 1.42 | 1.65 |  | 0.82 | 0.80 | 0.85 |  | 0.39 | 0.36 | 0.42 |

Abbreviations: CI, confidence interval; ER, emergency room; GP, general practitioner MG, myasthenia gravis. For all categories shown, the rate of healthcare resource utilization per person-year was significantly higher for the refractory MG cohort than for the non-refractory MG and non-MG control cohorts (p<0.001 for each).