

Online Resource 1. Supplementary Tables 1–3

Supplementary Table 1. Diagnostic and procedural ICD-10-ES codes applied in the study cohort.

Category	ICD-10-ES Code	Description
Myasthenia gravis (primary diagnosis)	G70.00	Myasthenia gravis without crisis
	G70.01	Myasthenia gravis with crisis
Myasthenic crisis (procedure-based operational definition)	5A1935Z	Respiratory ventilation < 24 h
	5A1945Z	Respiratory ventilation 24–96 h
	5A1955Z	Respiratory ventilation > 96 h
	0BH17EZ	Endotracheal intubation via natural or artificial opening
	0BH18EZ	Endotracheal intubation via natural or artificial opening, endoscopic
	0B110F4	Tracheostomy, open approach
	0B113F4	Tracheostomy, percutaneous approach
COVID-19 diagnosis	U07.1	COVID-19, virus identified
Thymus-related diagnoses	C37	Malignant neoplasm of thymus
	D15.0	Benign neoplasm of thymus
	E32.0	Persistent hyperplasia of thymus
	E32.8	Other specified disorders of thymus
Thymoma-related morphology codes	858/0	Benign thymoma
	858/0 – 858/6	Malignant forms of thymoma
Thymectomy procedures	07TM0ZZ	Total resection of thymus, open approach
	07TM4ZZ	Total resection of thymus, percutaneous endoscopic approach
	07TL0ZZ	Partial excision of thymus, open approach
	07TL4ZZ	Partial excision of thymus, percutaneous endoscopic approach

Supplementary Table 2. Annual number of medical day-hospital episodes for myasthenia gravis between 2018 and 2022, with corresponding rates per 100,000 inhabitants.

Hospital Day Care	2018	2019	2020	2021	2022	Temporal trend (95% CI)
	N (Rate per 100,000 inhabitants)					
Total episodes	994 (2.59)	1495 (3.86)	2294 (5.85)	2607 (6.65)	3403 (8.63)	27.8 (26.8 - 28.8)
Sex						
Male	478 (2.57)	618 (3.29)	1002 (5.27)	1165 (6.12)	1294 (6.77)	23.9 (21.8 - 26.1)
Female	516 (2.61)	877 (4.39)	1292 (6.4)	1442 (7.14)	2109 (10.39)	30.8 (28.9 - 32.6)
Age group						
18-44	265 (0.81)	437 (1.35)	512 (1.59)	551 (1.74)	658 (2.11)	19.9 (17 - 22.8)
45-64	300 (1.13)	630 (2.33)	1105 (3.99)	1154 (4.1)	1340 (4.68)	27.9 (25.8 - 30.1)
65-84	393 (2.64)	364 (2.41)	595 (3.89)	840 (5.42)	1252 (7.95)	32 (29.5 - 34.5)
≥ 85	36 (1.23)	64 (2.12)	82 (2.63)	62 (1.98)	153 (4.76)	28.2 (20.8 - 35.6)

CI: Confidence interval

Supplementary Table 3. Annual number of emergency department encounters for myasthenia gravis between 2018 and 2022, with corresponding rates per 100,000 inhabitants.

Emergency department	2018	2019	2020	2021	2022	Temporal trend (95% CI)
N (Rate per 100,000 inhabitants)						
Total episodes	141 (0.37)	154 (0.4)	239 (0.61)	400 (1.02)	458 (1.16)	32.5 (29.7 - 35.3)
Sex						
Male	59 (0.32)	83 (0.44)	112 (0.59)	203 (1.07)	213 (1.11)	32.9 (27.1 - 38.6)
Female	82 (0.41)	71 (0.36)	127 (0.63)	197 (0.98)	245 (1.21)	32.2 (26.6 - 37.7)
Age group						
18-44	29 (0.09)	33 (0.1)	57 (0.18)	94 (0.3)	111 (0.36)	37.8 (29.4 - 46.2)
45-64	44 (0.17)	46 (0.17)	72 (0.26)	113 (0.4)	125 (0.44)	27.8 (20.5 - 35.1)
65-84	62 (0.42)	67 (0.44)	92 (0.6)	168 (1.08)	185 (1.18)	30.1 (24 - 36.3)
≥ 85	6 (0.21)	8 (0.26)	18 (0.58)	25 (0.8)	37 (1.15)	43.6 (27.3 - 59.8)

CI: Confidence interval