

SUPPLEMENTARY MATERIAL

Incidence and Prevalence of Juvenile Myasthenia Gravis in the United States Between 2010 and 2020: Analysis of Two Claims Databases (Supplementary Material)

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Supplementary Tables

Supplement Table 1

Annual incidence and 95% CI per million person-years in the period 2010–2020

Year	CCAE			MDCD		
	Cases	Person-years	Incidence (95% CI)	Cases	Person-years	Incidence (95% CI)
2010	42	6,503,019	6.5 (4.7–8.7)	23	2,109,550	10.9 (6.9–16.4)
2011	52	6,860,022	7.6 (5.7–9.9)	21	2,301,487	9.1 (5.7–14.0)
2012	41	7,525,050	5.4 (3.9–7.4)	35	2,444,293	14.3 (10.0–19.9)
2013	29	5,683,709	5.1 (3.4–7.3)	26	2,655,930	9.8 (6.4–14.3)
2014	25	5,616,404	4.5 (2.9–6.6)	37	2,862,421	12.9 (9.1–17.8)
2015	22	3,837,371	5.7 (3.6–8.7)	32	3,657,068	8.8 (6.0–12.4)
2016	24	3,770,219	6.4 (4.1–9.5)	37	3,980,958	9.3 (6.5–12.8)
2017	22	3,382,073	6.5 (4.1–9.9)	29	4,094,757	7.1 (4.7–10.2)
2018	16	3,261,015	4.9 (2.8–8.0)	20	3,445,742	5.8 (3.6–9.0)
2019	19	2,822,950	6.7 (4.1–10.5)	37	3,337,267	11.1 (7.8–15.3)
2020	15	2,548,788	5.9 (3.3–9.7)	32	3,673,520	8.7 (6.0–12.3)

CCAE Commercial Claims and Encounters Database, CI confidence interval, MDCD Multi-State Medicaid Database

Supplement Table 2

Annual prevalence and 95% CI per 1,000,000 persons in the period 2010–2020

Year	CCAE			MDCD		
	Cases	Persons	Prevalence (95% CI)	Cases	Persons	Prevalence (95% CI)
2010	161	6,783,315	23.7 (20.3–27.7)	85	2,234,547	38.0 (30.8–47.0)
2011	181	7,180,128	25.2 (21.8–29.2)	93	2,439,830	38.1 (31.1–46.7)
2012	190	7,864,488	24.2 (21.0–27.9)	109	2,561,898	42.5 (35.3–51.3)
2013	144	5,939,664	24.2 (20.6–28.5)	118	2,792,278	42.3 (35.3–50.6)
2014	134	5,890,394	22.7 (19.2–26.9)	130	2,958,114	43.9 (37.0–52.1)
2015	96	3,999,083	24.0 (19.7–29.3)	149	3,854,656	38.7 (32.9–45.4)
2016	91	3,922,832	23.2 (18.9–28.5)	170	4,148,430	41.0 (35.3–47.6)
2017	88	3,512,269	25.1 (20.3–30.9)	169	4,276,915	39.5 (34.0–45.9)
2018	80	3,385,804	23.6 (19.0–29.4)	141	3,621,208	38.9 (33.0–45.9)
2019	75	2,961,440	25.3 (20.2–31.7)	142	3,506,137	40.5 (34.4–47.7)
2020	67	2,645,760	25.3 (19.9–32.2)	140	3,724,797	37.6 (31.9–44.4)

CCAE Commercial Claims and Encounters Database, CI confidence interval, MDCD Multi-State Medicaid Database

Supplement Table 3.

Annual prevalence in the period 2010–2020 by age groups and sex

	CCAE						MDCD					
	2–10			11–17			2–10			11–17		
Year	Female	Male	PR	Female	Male	PR	Female	Male	PR	Female	Male	PR
2010	20.9	12.5	1.7	43.6	23.9	1.8	41	18.7	2.2	70.3	18.7	3.8
2011	27.5	13.2	2.1	38.6	26	1.5	41	21.7	1.9	70.7	21.7	3.3
2012	21.2	14.6	1.5	43	23	1.9	48.3	27.2	1.8	72.8	27.2	2.7
2013	16.2	16	1	45.3	25.7	1.8	48.3	28.5	1.7	71.3	28.5	2.5
2014	18.1	13.3	1.4	42.3	22.7	1.9	45.3	27.3	1.7	93.4	27.3	3.4
2015	22.3	15.3	1.5	47.9	14.9	3.2	41.3	32.3	1.3	68.1	32.3	2.1
2016	15.5	13.1	1.2	53.3	17.5	3	46.3	30.6	1.5	72.2	30.6	2.4
2017	19.4	12.7	1.5	51.2	23.4	2.2	42.9	30.6	1.4	69.2	30.6	2.3
2018	16.9	17.2	1	43.6	21.6	2	42.4	30.6	1.4	60.8	30.6	2
2019	24.4	23.3	1	39.8	15.3	2.6	39.5	27.5	1.4	68.6	27.5	2.5
2020	26	14.4	1.8	44.4	20.5	2.2	37.6	25.4	1.5	61.7	25.4	2.4

CCAE Commercial Claims and Encounters Database, MDCD Multi-State Medicaid Database, PR prevalence ratio