

SUPPLEMENTAL TABLES

Supplemental Table 1: Epilepsy<35 years–related deaths, stratified by sex and race, in the United States, 1999–2020.

Year	Deaths								Population
	Overall	Women	Men	NH White	NH or African American	NH Asian or Pacific Islander	NH American Indian or Alaska Native	Hispanic or Latino	
1999	352	130	222	219	71	11	NR	47	138809805
2000	323	131	192	199	69	11	NR	43	139328990
2001	338	130	208	212	76	13	NR	41	140135349
2002	354	148	206	211	74	14	NR	57	140766811
2003	374	146	228	224	75	12	NR	58	141261299
2004	390	147	243	216	85	16	NR	74	141866470
2005	418	179	239	243	97	12	NR	69	142223862
2006	429	178	251	245	94	15	NR	74	142755732
2007	400	152	248	238	80	15	NR	63	143540893
2008	430	173	257	252	86	11	NR	69	144506349
2009	459	202	257	275	89	24	NR	74	145387855
2010	503	209	294	296	115	25	NR	74	145917503
2011	451	174	277	260	95	22	NR	75	146789479
2012	512	216	296	313	103	21	NR	81	147397324
2013	646	266	380	351	140	23	NR	121	147888112
2014	683	269	414	393	142	35	11	106	148564280
2015	694	317	377	389	151	34	10	122	149002205
2016	786	324	462	444	166	39	12	140	149163339
2017	853	350	503	478	178	29	10	160	149614519
2018	975	376	599	519	235	48	NR	179	149554018
2019	1026	422	604	541	228	38	NR	214	149198677
2020	1177	470	707	632	282	64	12	211	148918756
Total	12,573	5109	7464	7150	2,731	532	128	2,152	3,192,591,627

NR: Not reported

Supplemental Table 2: Patients demographics, epilepsy 35–64 years–related deaths, in the United States, 1999–2020.

Age groups	Deaths	Population	Age-adjusted rate (95% CI)	% of total deaths
65–74 years	239519	510458341	46.9 (46.7–47.1)	21.00
75–84 years	303736	298504433	101.8 (101.4–102.1)	26.60
85+years	259316	119513891	217 (216.1–217.8)	22.70
Overall	1142376	6746356647	16.9 (16.9–17)	100.00

CI: Confidence interval

Supplemental Table 3: Epilepsy age 65 or greater–related deaths, stratified by sex and race, in the United States, 1999–2020.

Year	Deaths								Population
	Overall	Women	Men	NH White	NH or African American	NH Asian or Pacific Islander	NH American Indian or Alaska Native	Hispanic or Latino	
1999	596	347	249	446	110	NR	NR	28	34797841
2000	557	316	241	428	97	NR	NR	22	34991753
2001	516	286	230	413	67	NR	NR	26	35290291
2002	538	292	246	410	98	NR	NR	24	35522207
2003	541	300	241	413	90	NR	NR	24	35863529
2004	525	299	226	422	73	NR	NR	25	36203319
2005	575	317	258	447	94	NR	NR	27	36649798
2006	513	293	220	396	71	NR	NR	31	37164107
2007	529	303	226	405	87	NR	NR	29	37825711
2008	576	318	258	435	87	11	NR	35	38777621
2009	566	319	247	444	74	10	NR	30	39623175
2010	678	366	312	515	105	12	NR	41	40267984
2011	699	391	308	542	97	13	NR	43	41394141
2012	815	447	368	607	119	11	NR	70	43145356
2013	951	542	409	712	144	20	NR	70	44704074
2014	1123	623	500	846	175	16	NR	78	46243211
2015	1277	744	533	950	180	14	NR	119	47760852
2016	1531	818	713	1148	204	35	NR	134	49244195
2017	1715	958	757	1252	278	29	NR	142	50858679
2018	1958	1042	916	1461	260	48	14	167	52431193
2019	2139	1185	954	1586	295	38	20	194	54058263
2020	2864	1535	1329	2031	486	64	19	256	55659365
Total	21,782	12041	9741	16,309	3,291	321	53	1,615	928,476,665

NR: Not reported

Supplemental Table 4: Epilepsy<35 years –related mortality, stratified by place of death in the United States, 1999–2020.

Year	Deaths				
	Medical facility	Nursing home/long-term care facility	Hospices	Home	Other
1999	170	11	Missing	148	28
2000	147	11	Missing	156	13
2001	145	11	Missing	159	25
2002	154	12	Missing	151	37
2003	174	13	Missing	157	31
2004	160	12	Missing	187	31
2005	175	14	Missing	210	26
2006	180	19	Missing	198	37
2007	168	21	Missing	177	41
2008	186	14	Missing	197	29
2009	179	17	Missing	221	37
2010	219	11	Missing	240	34
2011	187	13	Missing	223	33
2012	236	16	Missing	199	56
2013	271	21	16	288	52
2014	273	258	12	331	46
2015	302	590	10	322	45
2016	305	689	21	400	43
2017	333	769	16	427	66
2018	369	899	29	487	77
2019	401	935	23	521	65
2020	429	1196	28	614	84
Total	5163	258	180	6013	936

Supplemental Table 5: Epilepsy 35–64 years –related mortality, stratified by place of death in the United States, 1999–2020.

Deaths					
Year	Medical facility	Nursing home/long-term care facility	Hospices	Home	Other
1999	3446	404	Missing	1314	150
2000	3825	462	Missing	1541	149
2001	3930	529	Missing	1749	162
2002	4516	621	Missing	2040	207
2003	4802	745	10	2347	225
2004	4876	787	18	2496	265
2005	5346	883	58	2939	259
2006	5547	941	124	3006	253
2007	5619	1034	171	3233	332
2008	5943	973	200	3401	322
2009	6069	1080	264	3571	339
2010	6103	1111	267	3844	329
2011	6058	1145	325	3985	393
2012	5957	1111	365	4062	431
2013	6080	1183	388	4457	455
2014	6023	1176	400	4689	430
2015	6392	1286	452	5260	471
2016	7250	1596	652	6110	506
2017	7816	1774	757	6794	628
2018	8102	1896	663	7418	654
2019	8260	1896	707	7974	719
2020	13692	2257	747	11244	1020
Total	135652	24890	6568	93474	8699

Supplemental Table 6: Epilepsy age 65 year or greater –related mortality, stratified by place of death in older adults in the United States, 1999–2020.

Year	Medical facility	Nursing home/long-term care facility	Hospices	Home	Other
1999	708	223	Missing	596	86
2000	657	255	Missing	576	80
2001	633	240	Missing	586	76
2002	677	258	Missing	592	110
2003	691	245	Missing	617	108
2004	648	253	Missing	640	95
2005	681	235	12	727	102
2006	688	249	10	680	107
2007	636	244	14	699	129
2008	668	254	27	713	107
2009	666	258	23	737	113
2010	765	258	44	830	127
2011	727	284	43	835	125
2012	830	391	49	893	149
2013	941	441	67	1008	166
2014	967	527	108	1177	183
2015	1046	590	116	1300	161
2016	1159	689	138	1554	208
2017	1287	769	213	1614	247
2018	1329	899	253	1871	301
2019	1413	935	258	2002	295
2020	1732	1196	295	2587	388
Total	19594	9693	1670	22834	3463

Supplemental Table 7: Annual percent change (APC) of epilepsy rates per 100,000 in adults<35 years in the United States, 1999–2020.

Year interval	APC (95% CI)
Overall	
1999–2011	3.7016*(1.0337 to 5.3265)
2011–2020	9.1412*(7.6822 to 11.7359)
Male	
1999–2011	2.3087*(-0.0946 to 3.8625)
2011–2020	10.0922*(8.4824 to 13.8721)
Female	
1999–2011	2.5547*(1.5827 to 3.3951)
2011–2020	10.1021*(9.0051 to 11.8872)
NH White	
1999–2011	2.0765*(-2.2581 to 4.2343)
2011–2020	10.6017*(8.2341 to 16.3243)
NH or African American	
1999–2011	2.0765*(-2.2581 to 4.2343)
2011–2020	10.6017*(8.2341 to 16.3243)
NH American Indian or Alaska Native	
NA	NA
NA	NA
Hispanic or Latino	
1999–2011	1.5668*(-2.5224 to 4.1074)
2011–2020	10.6381*(8.3859 to 16.3447)
NH Asian or Pacific Islander	
NA	NA
NA	NA
Nonmetropolitan areas	
1999–2011	2.6588*(-12.3286 to 6.2589)
2011–2020	9.3819*(5.6056 to 25.1289)
Metropolitan area	
1999–2011	2.6727*(0.4064 to 4.0848)
2011–2020	10.1376*(8.3016 to 13.9555)
Northeast region	
1999–2007	2.9995*(-16.4385 to 9.1995)
2007–2020	10.8459*(8.5056 to 23.0045)
Midwest region	
1999–2012	2.5850*(-6.4413 to 4.6854)
2012–2020	8.9186*(5.6160 to 22.2300)
South region	
1999–2009	0.5261*(-4.0527 to 3.2322)
2009–2020	10.1040*(8.4217 to 13.4707)
West region	
1999–2012	2.4853*(-0.3934 to 4.1655)
2012–2020	9.7581*(7.2047 to 16.3046)

APC = annual percent change; NH = non-Hispanic; * Indicates that the annual percentage change (APC) is significantly different from zero at $\alpha = 0.05$. AAMR: age-adjusted mortality rate, NA: Not available, CI: Confidence interval.

Supplemental Table 8: Epilepsy for less than 35 years–related Age-Adjusted Mortality Rates per 100000 in Older Adults in the United States, 1999 to 2020.

Year	Age-Adjusted Rate (95% CI)		
	Male	Female	Overall
1999	3.1 (2.7–3.5)	1.9 (1.6–2.2)	1.9 (1.6–2.2)
2000	2.7 (2.3–3)	1.9 (1.6–2.2)	1.9 (1.6–2.2)
2001	2.9 (2.5–3.3)	1.8 (1.5–2.2)	1.8 (1.5–2.2)
2002	2.8 (2.5–3.2)	2.1 (1.8–2.5)	2.1 (1.8–2.5)
2003	3.2 (2.8–3.6)	2.1 (1.7–2.4)	2.1 (1.7–2.4)
2004	3.4 (2.9–3.8)	2.1 (1.7–2.4)	2.1 (1.7–2.4)
2005	3.3 (2.9–3.7)	2.6 (2.2–2.9)	2.6 (2.2–2.9)
2006	3.4 (3–3.8)	2.5 (2.1–2.9)	2.5 (2.1–2.9)
2007	3.3 (2.9–3.8)	2.1 (1.8–2.5)	2.1 (1.8–2.5)
2008	3.5 (3–3.9)	2.4 (2–2.8)	2.4 (2–2.8)
2009	3.5 (3–3.9)	2.8 (2.4–3.2)	2.8 (2.4–3.2)
2010	3.9 (3.4–4.3)	2.9 (2.5–3.3)	2.9 (2.5–3.3)
2011	3.7 (3.2–4.1)	2.4 (2–2.8)	2.4 (2–2.8)
2012	3.9 (3.5–4.3)	3 (2.6–3.3)	3 (2.6–3.3)
2013	5 (4.5–5.5)	3.6 (3.2–4.1)	3.6 (3.2–4.1)
2014	5.4 (4.8–5.9)	3.7 (3.2–4.1)	3.7 (3.2–4.1)
2015	4.9 (4.4–5.4)	4.3 (3.8–4.8)	4.3 (3.8–4.8)
2016	6 (5.4–6.5)	4.4 (3.9–4.8)	4.4 (3.9–4.8)
2017	6.5 (5.9–7)	4.7 (4.2–5.2)	4.7 (4.2–5.2)
2018	7.7 (7.1–8.3)	5.1 (4.6–5.6)	5.1 (4.6–5.6)
2019	7.8 (7.2–8.4)	5.7 (5.1–6.2)	5.7 (5.1–6.2)
2020	9.1 (8.4–9.7)	6.3 (5.7–6.9)	6.3 (5.7–6.9)
Total	4.6 (4.4–4.7)	3.2 (3.1–3.3)	3.2 (3.1–3.3)

CI: Confidence interval

Supplemental Table 9: Epilepsy 35-64 years-related Deaths, Stratified by Sex and Race, in the United States, 1999 to 2020.

Year	Deaths								Population
	Overall	Women	Men	NH White	NH or African American	NH Asian or Pacific Islander	NH American Indian or Alaska Native	Hispanic or Latino	
1999	665	250	415	438	172	11	NR	35	105432522
2000	688	258	430	477	138	12	NR	59	107101163
2001	681	253	428	448	154	12	NR	54	109543315
2002	746	292	454	496	161	11	NR	72	111336175
2003	755	304	451	504	169	11	NR	60	112983105
2004	731	263	468	519	148	12	NR	46	114735509
2005	767	302	465	516	163	NR	14	67	116642939
2006	799	331	468	551	144	NR	NR	85	118460073
2007	797	324	473	534	164	20	NR	71	119864603
2008	780	317	463	551	144	11	NR	64	120809996
2009	805	322	483	539	173	NR	NR	72	121760499
2010	843	361	482	589	156	10	NR	78	122560051
2011	865	330	535	597	166	NR	14	77	123408297
2012	988	402	586	647	210	16	NR	102	123371360
2013	1027	444	583	677	220	17	16	96	123536653
2014	1156	461	695	765	230	24	NR	125	124049565
2015	1245	518	727	803	234	28	20	153	124655763
2016	1431	609	822	977	253	22	24	150	124719979
2017	1563	635	928	1039	315	28	19	155	125245980
2018	1720	728	992	1136	359	22	24	165	125182223
2019	1738	712	1026	1129	361	24	23	192	124982583
2020	2157	944	1213	1373	437	46	38	255	124906002
Total	22947	9360	13587	15305	4671	360	280	2233	2625288355

NR: Not reported

Supplemental Table 10: Epilepsy for 35-64 years-related Age-Adjusted Mortality Rates per 100000 in the United States, 1999 to 2020.

Age-Adjusted Rate (95% CI)			
Year	Male	Female	Overall
1999	8 (7.2-8.8)	4.6 (4.1-5.2)	6.3 (5.8-6.8)
2000	8.2 (7.4-9)	4.7 (4.1-5.3)	6.4 (5.9-6.9)
2001	8 (7.2-8.7)	4.5 (4-5.1)	6.2 (5.8-6.7)
2002	8.3 (7.5-9.1)	5.1 (4.5-5.7)	6.7 (6.2-7.2)
2003	8 (7.3-8.8)	5.2 (4.6-5.8)	6.6 (6.1-7.1)
2004	8.2 (7.4-8.9)	4.4 (3.9-4.9)	6.3 (5.8-6.7)
2005	8.1 (7.4-8.9)	5 (4.5-5.6)	6.5 (6.1-7)
2006	7.9 (7.2-8.6)	5.4 (4.8-6)	6.6 (6.1-7)
2007	8 (7.2-8.7)	5.1 (4.5-5.6)	6.5 (6.1-7)
2008	7.6 (6.9-8.3)	5 (4.4-5.6)	6.3 (5.9-6.8)
2009	8 (7.2-8.7)	5 (4.4-5.5)	6.4 (6-6.9)
2010	7.7 (7-8.4)	5.4 (4.8-6)	6.6 (6.1-7)
2011	8.4 (7.7-9.2)	5 (4.5-5.6)	6.7 (6.3-7.2)
2012	9.1 (8.3-9.8)	6.1 (5.5-6.7)	7.5 (7.1-8)
2013	9.1 (8.4-9.9)	6.7 (6.1-7.4)	7.9 (7.4-8.4)
2014	10.6 (9.8-11.4)	6.9 (6.2-7.5)	8.7 (8.2-9.2)
2015	11.1 (10.2-11.9)	7.6 (6.9-8.3)	9.3 (8.8-9.8)
2016	12.5 (11.6-13.4)	9 (8.3-9.8)	10.7 (10.2-11.3)
2017	14.1 (13.2-15.1)	9.1 (8.4-9.8)	11.6 (11-12.2)
2018	14.9 (14-15.9)	10.5 (9.7-11.3)	12.7 (12.1-13.3)
2019	15.4 (14.5-16.4)	10.4 (9.6-11.2)	12.8 (12.2-13.5)
2020	18.1 (17.1-19.2)	13.5 (12.6-14.4)	15.8 (15.1-16.5)
Total	10.2 (10-10.3)	6.7 (6.6-6.8)	8.4 (8.3-8.5)

CI: Confidence interval

Supplemental Table 11: Annual percent change (APC) of epilepsy Rates per 100000 in 34-64 year Adults in the United States, 1999 to 2020.

Year Interval	APC (95% CI)
Overall	
1999-2011	0.3596*(-0.4050 to 0.9969)
2011-2020	9.5371*(8.6977 to 10.8628)
Male	
1999-2011	-0.1168*(-0.8942 to 0.5252)
2011-2020	9.2574*(8.5433 to 10.2134)
Female	
1999-2011	1.0686*(-0.9412 to 2.5645)
2011-2020	10.0227*(8.4063 to 12.4949)
NH White	
1999-2011	1.2072*(0.0996 to 2.1401)
2011-2020	9.8766*(8.9024 to 11.1332)
NH or African American	
1999-2010	-2.5489*(-5.0380 to -0.6865)
2010-2020	9.2360*(7.4995 to 11.8797)
NH American Indian or Alaska Native	
NA	NA
NA	NA
Hispanic or Latino	
1999-2011	-0.6206*(-13.9388 to 2.9201)
2011-2020	8.8012*(5.3485 to 22.3329)
NH Asian or Pacific Islander	
NA	NA
NA	NA
Nonmetropolitan areas	
1999-2011	0.6693*(-1.1303 to 2.1639)
2011-2020	12.1867*(10.4042 to 14.6994)
Metropolitan area	
1999-2010	-0.2217*(-1.1523 to 0.6452)
2010-2020	8.4288*(7.6945 to 9.5738)
Northeast region	
1999-2009	-1.8372*(-7.9218 to 1.5804)
2009-2020	10.0640*(7.8012 to 14.6558)
Midwest region	
1999-2012	1.6631*(-0.7636 to 3.0376)
2012-2020	7.8958*(5.7550 to 13.0807)
South region	
1999-2010	-2.0062*(-4.0373 to -0.3665)
2010-2020	11.2939*(9.7546 to 13.4050)
West region	
1999-2013	1.8168*(0.5533 to 2.8253)
2013-2020	9.2882*(7.3245 to 12.6445)

APC = annual percent change; NH = non-Hispanic; * Indicates that the annual percentage change (APC) is significantly different from zero at $\alpha = 0.05$. AAMR = age-adjusted mortality rate, NA: Not available, CI: Confidence interval

Supplemental Table 12: Annual percent change (APC) of epilepsy Rates per 100000 in Older Adults in the United States, 1999 to 2020.

Year Interval	APC (95% CI)
Overall	
1999-2009	-1.5866* (-3.3958 to -0.0128)
2009-2020	12.3579* (11.4440 to 13.5803)
Male	
1999-2009	-1.9575* (-4.2313 to -0.0398)
2009-2020	11.9738* (10.8531 to 13.5006)
Female	
1999-2009	-1.3562 (-3.1845 to 0.1553)
2009-2020	12.5546* (11.6798 to 13.7399)
NH White	
1999-2009	-1.1620 (-2.7863 to 0.1569)
2009-2020	12.3621* (11.5653 to 13.5243)
NH or African American	
1999-2009	-4.0413* (-9.3105 to -0.3574)
2009-2020	11.9042* (9.6239 to 15.6015)
NH American Indian or Alaska Native	
NA	NA
NA	NA
Hispanic or Latino	
1999-2008	-2.5244 (-19.1973 to 3.9210)
2008-2020	12.6252* (10.4388 to 17.4924)
NH Asian or Pacific Islander	
NA	NA
NA	NA
Nonmetropolitan areas	
1999-2007	-3.6294* (-9.0118 to -1.4803)
2007-2013	5.1926 (-0.0878 to 11.2080)
2013-2020	14.8163* (13.0433 to 19.3884)
Metropolitan area	
1999-2009	-1.0029 (-3.1525 to 0.8046)
2009-2020	12.3679* (11.3895 to 13.7544)
Northeast region	
1999-2002	7.4610 (-3.0250 to 25.8201)
2002-2008	-6.4622 (-17.0579 to 18.8307)
2008-2018	11.4012* (5.2262 to 13.9582)
2018-2020	32.3161* (20.0965 to 40.2359)
Midwest region	
1999-2011	0.7257 (-1.3645 to 2.3142)
2011-2020	10.5283* (8.8379 to 13.2260)
South region	
1999-2008	-5.1822* (-8.2784 to -2.6988)
2008-2020	14.2170* (13.1276 to 15.8664)
West region	
1999-2011	1.7984 (-1.3098 to 3.8437)
2011-2020	11.6213* (9.6880 to 15.0780)

APC = annual percent change; NH = non-Hispanic; * Indicates that the annual percentage change (APC) is significantly different from zero at $\alpha = 0.05$. AAMR = age-adjusted mortality rate, NA: Not available, CI: Confidence interval

Supplemental Table 13: Annual percent change (APC) of epilepsy Rates per 100000 in 65 year or greater Adults in the United States, 1999 to 2020.

Age-Adjusted Rate (95% CI)			
Year	Male	Female	Overall
1999	18.7 (16.3-21)	16.3 (14.6-18)	17.3 (15.9-18.6)
2000	17.9 (15.6-20.2)	14.7 (13.1-16.4)	16 (14.6-17.3)
2001	16.6 (14.4-18.8)	13.1 (11.6-14.6)	14.6 (13.3-15.9)
2002	17.6 (15.3-19.8)	13.4 (11.9-15)	15.1 (13.9-16.4)
2003	16.6 (14.5-18.8)	13.7 (12.1-15.2)	15 (13.8-16.3)
2004	15.8 (13.7-17.8)	13.5 (11.9-15)	14.4 (13.2-15.7)
2005	17.5 (15.4-19.7)	14.1 (12.5-15.6)	15.5 (14.3-16.8)
2006	14.8 (12.8-16.7)	13 (11.5-14.5)	13.7 (12.5-14.8)
2007	14.9 (12.9-16.8)	13.2 (11.7-14.6)	13.8 (12.6-15)
2008	16.2 (14.2-18.2)	13.5 (12-15)	14.8 (13.5-16)
2009	15.3 (13.4-17.2)	13.4 (11.9-14.9)	14.1 (13-15.3)
2010	19 (16.9-21.2)	15.1 (13.6-16.7)	16.7 (15.5-18)
2011	18.1 (16-20.1)	16.2 (14.5-17.8)	16.9 (15.6-18.1)
2012	20.7 (18.5-22.8)	17.4 (15.8-19)	18.8 (17.5-20.1)
2013	22.4 (20.2-24.5)	20.9 (19.1-22.7)	21.6 (20.2-22.9)
2014	26.1 (23.8-28.4)	23.2 (21.3-25)	24.5 (23.1-25.9)
2015	26.9 (24.6-29.2)	27.3 (25.3-29.3)	27.3 (25.8-28.8)
2016	35.1 (32.5-37.7)	29.5 (27.5-31.6)	32.1 (30.5-33.7)
2017	35.7 (33.1-38.3)	33.6 (31.4-35.8)	34.7 (33-36.4)
2018	41.5 (38.8-44.2)	35.4 (33.3-37.6)	38.2 (36.5-39.9)
2019	42.1 (39.4-44.8)	39.6 (37.3-41.9)	40.8 (39-42.5)
2020	56 (53-59.1)	50.1 (47.6-52.7)	53 (51.1-55)
Total	25.6 (25.1-26.1)	22 (21.7-22.4)	23.6 (23.3-23.9)

CI: Confidence interval

Supplemental Table 14: Epilepsy for less than 35 years–related Age-Adjusted Mortality Rates per 100000 stratified by race in the United States, 1999 to 2020.

Age-Adjusted Rate (95% CI)					
Year	NH White	NH or African American	NH American Indian or Alaska Native	Hispanic or Latino	NH Asian or Pacific Islander
1999	2.4 (2.1-2.8)	3.7 (2.9-4.6)	Unreliable	2.1 (1.5-2.8)	Unreliable
2000	2.2 (1.9-2.6)	3.5 (2.7-4.5)	Unreliable	1.8 (1.3-2.4)	Unreliable
2001	2.4 (2.1-2.7)	3.9 (3.1-4.9)	Unreliable	1.6 (1.2-2.2)	Unreliable
2002	2.4 (2.1-2.7)	3.8 (2.9-4.7)	Unreliable	2.3 (1.7-2.9)	Unreliable
2003	2.6 (2.3-2.9)	3.8 (3-4.8)	Unreliable	2.2 (1.7-2.9)	Unreliable
2004	2.5 (2.2-2.9)	4.3 (3.4-5.3)	Unreliable	2.7 (2.1-3.4)	Unreliable
2005	2.8 (2.4-3.1)	4.9 (3.9-5.9)	Unreliable	2.5 (1.9-3.2)	Unreliable
2006	2.9 (2.5-3.2)	4.6 (3.7-5.6)	Unreliable	2.6 (2-3.2)	Unreliable
2007	2.8 (2.4-3.1)	3.9 (3.1-4.9)	Unreliable	2.2 (1.7-2.8)	Unreliable
2008	3 (2.6-3.3)	4.1 (3.3-5.1)	Unreliable	2.3 (1.8-2.9)	Unreliable
2009	3.2 (2.8-3.6)	4.2 (3.4-5.2)	Unreliable	2.4 (1.9-3)	Unreliable
2010	3.5 (3.1-3.9)	5.4 (4.4-6.4)	Unreliable	2.3 (1.8-2.9)	Unreliable
2011	3.1 (2.7-3.4)	4.4 (3.6-5.4)	Unreliable	2.3 (1.8-2.9)	Unreliable
2012	3.7 (3.3-4.1)	4.7 (3.8-5.6)	Unreliable	2.5 (2-3.1)	Unreliable
2013	4.2 (3.7-4.6)	6.4 (5.4-7.5)	Unreliable	3.7 (3-4.3)	Unreliable
2014	4.6 (4.2-5.1)	6.4 (5.3-7.4)	Unreliable (3.9-13.9)	3.2 (2.6-3.8)	Unreliable
2015	4.6 (4.2-5.1)	6.7 (5.7-7.8)	Unreliable (3.4-12.9)	3.6 (3-4.3)	Unreliable
2016	5.3 (4.8-5.8)	7.4 (6.2-8.5)	Unreliable (4.3-14.4)	4.1 (3.5-4.8)	Unreliable
2017	5.7 (5.2-6.3)	7.9 (6.7-9)	Unreliable (3.3-12.8)	4.6 (3.9-5.4)	Unreliable
2018	6.2 (5.7-6.8)	10.3 (9-11.6)	Unreliable (4.2-14.3)	5.1 (4.4-5.9)	Unreliable
2019	6.5 (6-7.1)	9.9 (8.6-11.2)	Unreliable	6.1 (5.3-6.9)	Unreliable
2020	7.7 (7.1-8.3)	12.2 (10.8-13.6)	Unreliable	6 (5.2-6.8)	Unreliable
Total	3.8 (3.7-3.9)	5.8 (5.6-6)	4.2 (3.4-4.9)	3.2 (3.1-3.4)	Unreliable

CI: Confidence interval

Supplemental Table 15: Epilepsy for 35-64 years–related Age-Adjusted Mortality Rates per 100000 in the United States according to race, 1999 to 2020

Age-Adjusted Rate (95% CI)					
Year	NH White	NH or African American	NH American Indian or Alaska Native	Hispanic or Latino	NH Asian or Pacific Islander
1999	5.5 (5-6)	15 (12.8-17.3)	Unreliable	2.1 (1.5-2.8)	Unreliable (1.4-4.9)
2000	5.9 (5.4-6.5)	11.6 (9.7-13.5)	Unreliable	1.8 (1.3-2.4)	Unreliable
2001	5.5 (5-6)	12.7 (10.7-14.7)	Unreliable	1.6 (1.2-2.2)	Unreliable (1.4-4.7)
2002	6 (5.5-6.6)	12.8 (10.8-14.8)	Unreliable	2.3 (1.7-2.9)	Unreliable (1.1-4.1)
2003	6 (5.5-6.6)	13.1 (11.1-15.1)	Unreliable	2.2 (1.7-2.9)	Unreliable (1.1-4.1)
2004	6.1 (5.6-6.7)	11.2 (9.4-13)	Unreliable	2.7 (2.1-3.4)	Unreliable (1.2-4.1)
2005	6.1 (5.6-6.7)	12 (10.2-13.9)	Unreliable (8.5-26.2)	2.5 (1.9-3.2)	Unreliable
2006	6.4 (5.8-6.9)	10.3 (8.6-12)	Unreliable	2.6 (2-3.2)	Unreliable
2007	6.1 (5.6-6.7)	11.4 (9.7-13.2)	Unreliable	2.2 (1.7-2.8)	3.4 (2.1-5.2)
2008	6.3 (5.7-6.8)	9.9 (8.3-11.6)	Unreliable	2.3 (1.8-2.9)	Unreliable (0.9-3.2)
2009	6.2 (5.7-6.7)	11.7 (10-13.5)	Unreliable	2.4 (1.9-3)	Unreliable
2010	6.6 (6.1-7.2)	10.1 (8.5-11.7)	Unreliable	2.3 (1.8-2.9)	Unreliable (0.7-2.8)
2011	6.6 (6.1-7.2)	11.1 (9.4-12.8)	Unreliable (7.8-24)	2.3 (1.8-2.9)	Unreliable
2012	7.1 (6.5-7.7)	13.6 (11.7-15.4)	Unreliable	2.5 (2-3.1)	Unreliable (1.3-3.8)
2013	7.8 (7.2-8.5)	13.8 (11.9-15.6)	Unreliable (9.2-27)	3.7 (3-4.3)	Unreliable (1.4-3.8)
2014	8.6 (8-9.3)	14.3 (12.4-16.2)	Unreliable	3.2 (2.6-3.8)	3.2 (2.1-4.8)
2015	9.1 (8.4-9.8)	14.3 (12.4-16.2)	19 (11.4-29.6)	3.6 (3-4.3)	3.4 (2.3-5)
2016	11.4 (10.6-12.1)	15 (13.1-16.9)	23.8 (15.1-35.7)	4.1 (3.5-4.8)	2.9 (1.8-4.4)
2017	11.8 (11-12.5)	19.3 (17.1-21.4)	Unreliable (11.2-29.9)	4.6 (3.9-5.4)	3.4 (2.3-4.9)
2018	12.9 (12.1-13.7)	21.7 (19.4-24)	21.6 (13.5-32.7)	5.1 (4.4-5.9)	2.6 (1.7-4)
2019	12.8 (12.1-13.6)	22.3 (19.9-24.7)	19.8 (12.4-29.9)	6.1 (5.3-6.9)	2.6 (1.7-3.8)
2020	15.6 (14.8-16.5)	25.7 (23.2-28.2)	37.1 (26-51.4)	6 (5.2-6.8)	5.3 (3.9-7.1)
Total	8 (7.9-8.2)	14.5 (14.1-14.9)	13.4 (11.8-14.9)	3.2 (3.1-3.4)	2.5 (2.3-2.8)

NH = non-Hispanic, CI: Confidence interval

Supplemental Table 16: Epilepsy for 65 years or greater–related Age-Adjusted Mortality Rates per 100000 in the United States according to race, 1999 to 2020.

Age-Adjusted Rate (95% CI)					
Year	NH White	NH or African American	NH American Indian or Alaska Native	Hispanic or Latino	NH Asian or Pacific Islander
1999	15.1 (13.7-16.5)	40.2 (32.6-47.7)	Unreliable	20.3 (13.4-29.6)	Unreliable
2000	14.5 (13.1-15.8)	35.6 (28.9-43.5)	Unreliable	14.2 (8.8-21.7)	Unreliable
2001	13.8 (12.5-15.1)	23.7 (18.3-30.1)	Unreliable	16.3 (10.6-24.1)	Unreliable
2002	13.6 (12.3-14.9)	35.1 (28.5-42.8)	Unreliable	12.4 (7.9-18.6)	Unreliable
2003	13.7 (12.3-15.0)	31.3 (25.1-38.5)	Unreliable	12.0 (7.6-18.0)	Unreliable
2004	13.9 (12.5-15.2)	25.6 (20.0-32.2)	Unreliable	13.4 (8.6-19.9)	Unreliable
2005	14.5 (13.2-15.8)	32.4 (26.2-39.7)	Unreliable	13.6 (8.9-19.9)	Unreliable
2006	12.7 (11.5-14.0)	23.6 (18.4-29.8)	Unreliable	14.8 (10.0-21.2)	Unreliable
2007	12.7 (11.5-14.0)	28.0 (22.4-34.6)	Unreliable	12.9 (8.5-18.6)	Unreliable
2008	13.5 (12.2-14.8)	27.2 (21.8-33.6)	Unreliable	15.0 (10.4-21.0)	Unreliable
2009	13.5 (12.3-14.8)	23.0 (18.0-28.9)	Unreliable	12.4 (8.4-17.7)	Unreliable
2010	15.6 (14.2-17.0)	32.0 (25.8-38.2)	Unreliable	16.4 (11.7-22.3)	Unreliable
2011	16.3 (14.9-17.6)	28.4 (23.0-34.7)	Unreliable	16.0 (11.6-21.7)	Unreliable
2012	17.4 (16.0-18.8)	32.5 (26.6-38.4)	Unreliable	22.9 (17.8-28.9)	Unreliable
2013	20.1 (18.6-21.6)	39.6 (33.1-46.2)	Unreliable	22.3 (17.4-28.3)	Unreliable
2014	23.2 (21.6-24.8)	44.8 (38.1-51.5)	Unreliable	22.5 (17.7-28.1)	Unreliable
2015	25.7 (24.1-27.4)	44.1 (37.5-50.6)	Unreliable	34.0 (27.8-40.2)	Unreliable
2016	30.7 (28.9-32.5)	48.2 (41.4-54.9)	Unreliable	36.1 (29.9-42.3)	Unreliable
2017	32.5 (30.7-34.3)	61.7 (54.3-69.1)	Unreliable	36.5 (30.4-42.6)	Unreliable
2018	36.8 (34.9-38.7)	56.2 (49.2-63.2)	Unreliable	40.2 (34.0-46.4)	Unreliable
2019	39.1 (37.2-41.1)	62.8 (55.5-70.1)	Unreliable	44.6 (38.2-50.9)	Unreliable
2020	49.0 (46.9-51.2)	98.0 (89.1-106.9)	Unreliable	55.1 (48.3-62.0)	Unreliable
Total	21.8 (21.5-22.1)	42.5 (41.1-44.0)	Unreliable	26.7 (25.3-28.0)	Unreliable

CI: Confidence interval

Supplemental Table 17: Epilepsy <35 years–related Age-Adjusted Mortality Rates per 100000 Stratified by States in the United States, 1999 to 2020.

State	Age-Adjusted Rate (95% CI)
Alabama	3.1 (2.6-3.5)
Alaska	2.5 (1.5-3.9)
Arizona	5.9 (5.3-6.5)
Arkansas	3.4 (2.8-4.1)
California	4.6 (4.4-4.9)
Colorado	5.9 (5.3-6.6)
Connecticut	2.2 (1.8-2.8)
Delaware	2.3 (1.4-3.6)
District of Columbia	Unreliable (0.7-2.6)
Florida	4.5 (4.2-4.8)
Georgia	2.5 (2.2-2.8)
Hawaii	3 (2.2-4)
Idaho	6.2 (5-7.4)
Illinois	2.6 (2.3-2.8)
Indiana	3.7 (3.2-4.2)
Iowa	6.6 (5.7-7.5)
Kansas	3.1 (2.5-3.8)
Kentucky	4.1 (3.5-4.7)
Louisiana	3.5 (3-4)
Maine	4.2 (3.1-5.5)
Maryland	2.3 (2-2.7)
Massachusetts	2 (1.6-2.3)
Michigan	7.8 (7.2-8.3)
Minnesota	4.1 (3.5-4.6)
Mississippi	4.7 (4-5.5)
Missouri	5.8 (5.2-6.4)
Montana	3.1 (2.1-4.4)
Nebraska	3.2 (2.4-4)
Nevada	3.1 (2.5-3.8)
New Hampshire	2.3 (1.6-3.3)
New Jersey	2.5 (2.2-2.9)
New Mexico	4.1 (3.3-5.1)
New York	2.3 (2.1-2.5)
North Carolina	2.9 (2.5-3.2)
North Dakota	4.2 (2.8-5.9)
Ohio	4.5 (4.2-4.9)
Oklahoma	4.4 (3.7-5)
Oregon	4.4 (3.7-5)
Pennsylvania	2.8 (2.5-3.1)
Rhode Island	2.6 (1.7-3.8)
South Carolina	4.1 (3.5-4.7)
South Dakota	7 (5.4-9.1)
Tennessee	3.5 (3-3.9)
Texas	3.8 (3.6-4.1)
Utah	4.3 (3.6-5)
Vermont	4.1 (2.6-6.1)
Virginia	3.2 (2.8-3.6)
Washington	5.2 (4.6-5.7)
West Virginia	3.8 (3-4.9)
Wisconsin	3.5 (3-3.9)
Wyoming	6.6 (4.7-9)

CI: Confidence interval

Supplemental Table 18: epilepsy 35-64 years–related Age-Adjusted Mortality Rates per 100000 Stratified by States in the United States, 1999 to 2020.

State	Age-Adjusted Rate (95% CI)
Alabama	6.9 (6.1-7.7)
Alaska	7.4 (5.5-9.8)
Arizona	8 (7.2-8.8)
Arkansas	9.8 (8.6-11.1)
California	11.8 (11.4-12.2)
Colorado	11.8 (10.8-12.8)
Connecticut	3.4 (2.8-4.1)
Delaware	6.9 (5.1-9)
District of Columbia	5.2 (3.4-7.5)
Florida	8.2 (7.8-8.7)
Georgia	5.7 (5.2-6.2)
Hawaii	5.9 (4.6-7.6)
Idaho	11.6 (9.7-13.5)
Illinois	5.9 (5.5-6.4)
Indiana	9.9 (9.1-10.7)
Iowa	13.7 (12.3-15.2)
Kansas	5.8 (4.8-6.7)
Kentucky	10.1 (9.1-11.1)
Louisiana	8.8 (7.9-9.7)
Maine	6.9 (5.5-8.5)
Maryland	4.2 (3.6-4.7)
Massachusetts	3.9 (3.4-4.4)
Michigan	15.9 (15.1-16.8)
Minnesota	7.9 (7.1-8.7)
Mississippi	13.3 (11.9-14.7)
Missouri	10.7 (9.8-11.6)
Montana	11.8 (9.5-14.4)
Nebraska	9.3 (7.8-10.9)
Nevada	5.9 (4.9-6.9)
New Hampshire	5.2 (4-6.7)
New Jersey	4.3 (3.9-4.8)
New Mexico	10.1 (8.6-11.7)
New York	5.2 (4.9-5.6)
North Carolina	6.2 (5.7-6.8)
North Dakota	9.9 (7.4-12.8)
Ohio	8.6 (8-9.2)
Oklahoma	10.2 (9.1-11.3)
Oregon	9.9 (8.9-11)
Pennsylvania	5.8 (5.3-6.2)
Rhode Island	5.4 (4.1-7.1)
South Carolina	9 (8.1-10)
South Dakota	16.5 (13.4-19.6)
Tennessee	7.9 (7.2-8.7)
Texas	9.4 (8.9-9.8)
Utah	8.6 (7.3-9.9)
Vermont	13.6 (10.7-17)
Virginia	5.3 (4.7-5.8)
Washington	10.5 (9.7-11.4)
West Virginia	8.2 (6.8-9.5)
Wisconsin	8.4 (7.6-9.2)
Wyoming	14.2 (10.9-18.2)

CI: Confidence interval

Supplemental Table 19: Epilepsy for 65 years or greater-related Age-Adjusted Mortality Rates per 100000 in the United States stratified by state, 1999 to 2020.

State	Age-Adjusted Rate (95% CI)
Alabama	20.8 (18.4-23.1)
Alaska	16.8 (10.1-26.2)
Arizona	20.5 (18.5-22.5)
Arkansas	26.2 (22.9-29.5)
California	36.8 (35.6-38.0)
Colorado	38.3 (34.8-41.7)
Connecticut	16.5 (14.2-18.9)
Delaware	14.8 (10.7-20.0)
District of Columbia	25.9 (18.7-35.0)
Florida	14.1 (13.3-15.0)
Georgia	18.2 (16.5-20.0)
Hawaii	11.4 (8.5-15.0)
Idaho	29.8 (24.6-34.9)
Illinois	16.6 (15.3-17.9)
Indiana	27.2 (24.8-29.5)
Iowa	25.4 (22.3-28.4)
Kansas	20.3 (17.3-23.2)
Kentucky	26.1 (23.3-29.0)
Louisiana	21.4 (18.8-23.9)
Maine	20.3 (16.4-24.7)
Maryland	19.8 (17.6-22.0)
Massachusetts	12.6 (11.1-14.1)
Michigan	26.7 (24.8-28.5)
Minnesota	28.8 (26.2-31.4)
Mississippi	35.5 (31.5-39.5)
Missouri	19.6 (17.6-21.6)
Montana	19.4 (15.0-24.7)
Nebraska	32.6 (27.9-37.2)
Nevada	15.7 (12.6-18.7)
New Hampshire	20.7 (16.5-25.6)
New Jersey	14.1 (12.7-15.5)
New Mexico	30.5 (26.1-35.0)
New York	16.3 (15.3-17.3)
North Carolina	19.9 (18.3-21.6)
North Dakota	25.3 (19.2-32.7)
Ohio	23.5 (21.9-25.0)
Oklahoma	29.0 (25.9-32.1)
Oregon	36.5 (33.1-39.9)
Pennsylvania	17.8 (16.6-19.0)
Rhode Island	25.5 (20.6-31.2)
South Carolina	21.5 (19.1-24.0)
South Dakota	28.2 (22.3-35.3)
Tennessee	24.1 (21.9-26.4)
Texas	36.7 (35.2-38.3)
Utah	23.5 (19.5-27.5)
Vermont	30.9 (23.7-39.5)
Virginia	18.4 (16.6-20.2)
Washington	31.0 (28.5-33.5)
West Virginia	20.2 (16.7-23.6)
Wisconsin	21.5 (19.4-23.7)
Wyoming	24.0 (17.0-33.0)

CI: Confidence interval

Supplemental Table 20: Epilepsy <35 years-related Age-Adjusted Mortality Rates per 100000 Stratified by census region in the United States, 1999 to 2020.

Census Region	Year	Age-Adjusted Rate (95% CI)
Northeast	1999	1.4 (1-2)
Northeast	2000	1 (0.7-1.5)
Northeast	2001	1.1 (0.7-1.6)
Northeast	2002	1.1 (0.7-1.6)
Northeast	2003	1.2 (0.8-1.7)
Northeast	2004	1.5 (1.1-2.1)
Northeast	2005	1.8 (1.3-2.4)
Northeast	2006	1.7 (1.2-2.3)
Northeast	2007	1 (0.6-1.5)
Northeast	2008	1.6 (1.1-2.2)
Northeast	2009	1.9 (1.4-2.5)
Northeast	2010	2.4 (1.8-3.1)
Northeast	2011	1.9 (1.4-2.6)
Northeast	2012	2.8 (2.2-3.5)
Northeast	2013	2.8 (2.2-3.5)
Northeast	2014	2.6 (2-3.3)
Northeast	2015	3.7 (3-4.5)
Northeast	2016	3.3 (2.6-4)
Northeast	2017	4 (3.2-4.7)
Northeast	2018	4.9 (4.1-5.8)
Northeast	2019	5.3 (4.4-6.2)
Northeast	2020	5.8 (4.8-6.7)
Northeast	Total	2.5 (2.3-2.6)
Midwest	1999	3.3 (2.6-3.9)
Midwest	2000	2.2 (1.7-2.8)
Midwest	2001	3.2 (2.6-3.9)
Midwest	2002	3.8 (3.1-4.4)
Midwest	2003	2.8 (2.2-3.4)
Midwest	2004	3 (2.4-3.6)
Midwest	2005	4.2 (3.5-4.9)
Midwest	2006	3.2 (2.6-3.8)
Midwest	2007	4.3 (3.6-5)
Midwest	2008	4 (3.3-4.7)
Midwest	2009	3.6 (3-4.3)
Midwest	2010	4.3 (3.6-5)
Midwest	2011	4 (3.3-4.7)
Midwest	2012	4.1 (3.4-4.8)
Midwest	2013	4.5 (3.8-5.2)
Midwest	2014	5.3 (4.5-6.1)
Midwest	2015	5.1 (4.3-5.9)
Midwest	2016	6.4 (5.5-7.3)
Midwest	2017	6.8 (5.8-7.7)
Midwest	2018	6.4 (5.5-7.3)
Midwest	2019	7.7 (6.7-8.6)
Midwest	2020	8.5 (7.5-9.5)
Midwest	Total	4.5 (4.4-4.7)
South	1999	2.2 (1.8-2.6)
South	2000	2.5 (2.1-3)
South	2001	2.4 (1.9-2.8)
South	2002	2.1 (1.7-2.5)
South	2003	2.6 (2.1-3)

(Contd...)

Supplemental Table 20: (Continued).

South	2004	2.5 (2.1-2.9)
South	2005	2.3 (1.8-2.7)
South	2006	2.9 (2.5-3.4)
South	2007	2.2 (1.8-2.5)
South	2008	2.2 (1.8-2.6)
South	2009	2.5 (2.1-2.9)
South	2010	2.8 (2.4-3.3)
South	2011	2.7 (2.3-3.2)
South	2012	3.1 (2.6-3.5)
South	2013	4.3 (3.8-4.9)
South	2014	4.5 (4-5.1)
South	2015	4.3 (3.7-4.8)
South	2016	4.8 (4.2-5.3)
South	2017	5.2 (4.6-5.8)
South	2018	6.2 (5.5-6.8)
South	2019	6.3 (5.6-6.9)
South	2020	7.2 (6.5-7.9)
South	Total	3.6 (3.5-3.7)
West	1999	3.1 (2.5-3.7)
West	2000	3.1 (2.5-3.7)
West	2001	2.7 (2.2-3.3)
West	2002	3 (2.5-3.6)
West	2003	3.7 (3-4.3)
West	2004	3.7 (3.1-4.3)
West	2005	3.6 (3-4.3)
West	2006	3.8 (3.2-4.5)
West	2007	3.6 (2.9-4.2)
West	2008	4.1 (3.4-4.8)
West	2009	4.5 (3.8-5.2)
West	2010	4.2 (3.5-4.9)
West	2011	3.5 (2.9-4.1)
West	2012	3.8 (3.2-4.5)
West	2013	5.2 (4.5-6)
West	2014	5.2 (4.5-5.9)
West	2015	5.3 (4.6-6.1)
West	2016	6.2 (5.4-7)
West	2017	6.5 (5.6-7.3)
West	2018	7.7 (6.8-8.6)
West	2019	7.8 (6.9-8.7)
West	2020	9.2 (8.2-10.2)
West	Total	4.8 (4.6-4.9)
Total	Total	3.9 (3.8-3.9)

CI: Confidence interval

Supplemental Table 21: Epilepsy 35-64 years-related Age-Adjusted Mortality Rates per 100000 Stratified by census region in the United States, 1999 to 2020.

Census Region	Year	Age-Adjusted Rate (95% CI)
Northeast	1999	3.4 (2.7-4.3)
Northeast	2000	4.3 (3.4-5.3)
Northeast	2001	3.8 (3-4.7)
Northeast	2002	4.7 (3.8-5.7)
Northeast	2003	4 (3.2-4.9)
Northeast	2004	3.7 (3-4.6)
Northeast	2005	3.5 (2.8-4.4)
Northeast	2006	4 (3.2-4.9)
Northeast	2007	3.2 (2.5-4)
Northeast	2008	3.3 (2.6-4.2)
Northeast	2009	3.6 (2.8-4.4)
Northeast	2010	3.3 (2.6-4.2)
Northeast	2011	3.7 (2.9-4.6)
Northeast	2012	5.5 (4.5-6.5)
Northeast	2013	5 (4-5.9)
Northeast	2014	5 (4.1-6)
Northeast	2015	6.5 (5.4-7.5)
Northeast	2016	6.7 (5.6-7.8)
Northeast	2017	7.2 (6.1-8.3)
Northeast	2018	7.2 (6.1-8.3)
Northeast	2019	8.7 (7.4-10)
Northeast	2020	10.6 (9.2-11.9)
Northeast	Total	5.1 (4.9-5.3)
Midwest	1999	7.1 (6-8.1)
Midwest	2000	7.1 (6.1-8.2)
Midwest	2001	6.8 (5.8-7.8)
Midwest	2002	7.1 (6-8.1)
Midwest	2003	7.5 (6.5-8.6)
Midwest	2004	7.4 (6.3-8.4)
Midwest	2005	8.8 (7.6-9.9)
Midwest	2006	7.9 (6.8-9)
Midwest	2007	8.9 (7.8-10.1)
Midwest	2008	8.8 (7.7-10)
Midwest	2009	8.5 (7.4-9.6)
Midwest	2010	8.6 (7.5-9.7)
Midwest	2011	9 (7.9-10.1)
Midwest	2012	7.5 (6.5-8.5)
Midwest	2013	9.6 (8.4-10.8)
Midwest	2014	10.7 (9.4-11.9)
Midwest	2015	9.4 (8.2-10.6)
Midwest	2016	12.2 (10.8-13.6)
Midwest	2017	13.5 (12-14.9)
Midwest	2018	13.7 (12.3-15.2)
Midwest	2019	14 (12.6-15.5)
Midwest	2020	16.9 (15.4-18.5)
Midwest	Total	9.7 (9.4-10)
South	1999	6.6 (5.8-7.4)
South	2000	6.1 (5.3-6.8)
South	2001	6.4 (5.6-7.2)
South	2002	6.6 (5.8-7.4)
South	2003	6.1 (5.4-6.9)
South	2004	5.4 (4.7-6.1)

(Contd...)

Supplemental Table 21: (Continued).

South	2005	6.2 (5.4-6.9)
South	2006	5.5 (4.8-6.2)
South	2007	5.1 (4.5-5.8)
South	2008	5.2 (4.5-5.8)
South	2009	5.4 (4.7-6.1)
South	2010	5.5 (4.8-6.1)
South	2011	5 (4.3-5.6)
South	2012	7.1 (6.3-7.8)
South	2013	7.1 (6.3-7.8)
South	2014	8.4 (7.6-9.3)
South	2015	9.3 (8.4-10.2)
South	2016	10.5 (9.6-11.4)
South	2017	10.8 (9.9-11.8)
South	2018	12.2 (11.3-13.2)
South	2019	12.5 (11.5-13.5)
South	2020	15.9 (14.8-17)
South	Total	7.9 (7.7-8)
West	1999	7.6 (6.5-8.7)
West	2000	8.2 (7.1-9.4)
West	2001	7.4 (6.3-8.5)
West	2002	8.1 (7-9.2)
West	2003	8.7 (7.6-9.9)
West	2004	8.8 (7.7-10)
West	2005	7.5 (6.5-8.6)
West	2006	9.4 (8.2-10.5)
West	2007	9 (7.9-10.2)
West	2008	8.1 (7.1-9.2)
West	2009	8.7 (7.6-9.7)
West	2010	9.1 (8-10.2)
West	2011	9.8 (8.7-11)
West	2012	10 (8.9-11.2)
West	2013	10.2 (9-11.4)
West	2014	10.1 (9-11.3)
West	2015	11.4 (10.2-12.6)
West	2016	13.1 (11.8-14.4)
West	2017	14.5 (13.2-15.9)
West	2018	16.5 (15.1-18)
West	2019	15.5 (14.1-16.9)
West	2020	18.2 (16.7-19.7)
West	Total	10.7 (10.5-11)
Total	Total	8.4 (8.3-8.5)

CI: Confidence interval

Supplemental Table 22: Epilepsy 65 years or greater-related Age-Adjusted Mortality Rates per 100000 Stratified by census region in the United States, 1999 to 2020.

Census Region	Year	Age-Adjusted Rate (95% CI)
Northeast	1999	10.5 (8.3-13.1)
Northeast	2000	10.5 (8.3-13.1)
Northeast	2001	12.4 (10.0-15.2)
Northeast	2002	13.2 (10.8-16.1)
Northeast	2003	10.7 (8.5-13.3)
Northeast	2004	12.7 (10.3-15.5)
Northeast	2005	9.5 (7.5-11.9)
Northeast	2006	9.0 (7.0-11.4)
Northeast	2007	9.4 (7.4-11.9)
Northeast	2008	7.7 (5.9-9.9)
Northeast	2009	9.8 (7.7-12.2)
Northeast	2010	11.6 (9.3-14.2)
Northeast	2011	12.2 (9.9-14.9)
Northeast	2012	12.3 (9.9-14.7)
Northeast	2013	15.3 (12.6-17.9)
Northeast	2014	16.0 (13.3-18.7)
Northeast	2015	19.5 (16.6-22.4)
Northeast	2016	19.7 (16.8-22.6)
Northeast	2017	22.2 (19.2-25.3)
Northeast	2018	26.4 (23.2-29.7)
Northeast	2019	30.7 (27.2-34.2)
Northeast	2020	45.4 (41.2-49.6)
Northeast	Total	16.5 (15.9-17.1)
Midwest	1999	18.0 (15.2-20.9)
Midwest	2000	16.2 (13.5-19.0)
Midwest	2001	15.8 (13.1-18.5)
Midwest	2002	16.5 (13.8-19.3)
Midwest	2003	16.1 (13.4-18.8)
Midwest	2004	16.1 (13.4-18.8)
Midwest	2005	18.6 (15.7-21.5)
Midwest	2006	15.6 (13.0-18.3)
Midwest	2007	16.9 (14.2-19.6)
Midwest	2008	18.8 (15.9-21.6)
Midwest	2009	16.1 (13.4-18.7)
Midwest	2010	18.2 (15.4-20.9)
Midwest	2011	19.6 (16.7-22.4)
Midwest	2012	20.5 (17.7-23.4)
Midwest	2013	20.8 (18.0-23.7)
Midwest	2014	23.2 (20.2-26.2)
Midwest	2015	25.5 (22.4-28.6)
Midwest	2016	31.5 (28.0-35.0)
Midwest	2017	32.1 (28.7-35.5)
Midwest	2018	34.5 (31.1-38.0)
Midwest	2019	36.3 (32.8-39.9)
Midwest	2020	47.5 (43.5-51.5)
Midwest	Total	23.3 (22.6-23.9)
South	1999	18.4 (16.0-20.8)
South	2000	16.7 (14.4-19.0)
South	2001	12.7 (10.7-14.7)
South	2002	13.9 (11.9-16.0)
South	2003	14.8 (12.7-17.0)

(Contd...)

Supplemental Table 22: (Continued).

South	2004	11.1 (9.3-12.9)
South	2005	12.2 (10.3-14.0)
South	2006	11.0 (9.2-12.8)
South	2007	11.1 (9.4-12.9)
South	2008	11.6 (9.8-13.4)
South	2009	10.6 (8.9-12.3)
South	2010	14.8 (12.8-16.8)
South	2011	13.4 (11.5-15.2)
South	2012	17.9 (15.8-20.0)
South	2013	20.8 (18.6-23.1)
South	2014	24.1 (21.8-26.5)
South	2015	27.9 (25.4-30.4)
South	2016	31.1 (28.5-33.8)
South	2017	34.1 (31.4-36.8)
South	2018	39.1 (36.3-41.9)
South	2019	42.3 (39.5-45.2)
South	2020	52.5 (49.3-55.7)
South	Total	22.8 (22.3-23.3)
West	1999	21.6 (18.1-25.2)
West	2000	20.4 (17.0-23.8)
West	2001	19.0 (15.8-22.2)
West	2002	17.5 (14.4-20.6)
West	2003	18.7 (15.6-21.9)
West	2004	20.2 (17.0-23.5)
West	2005	23.8 (20.3-27.3)
West	2006	20.8 (17.6-24.0)
West	2007	19.2 (16.2-22.3)
West	2008	22.6 (19.3-25.9)
West	2009	22.4 (19.2-25.6)
West	2010	23.7 (20.4-26.9)
West	2011	24.7 (21.4-28.0)
West	2012	24.3 (21.1-27.5)
West	2013	29.3 (25.8-32.8)
West	2014	34.0 (30.3-37.6)
West	2015	34.7 (31.1-38.4)
West	2016	44.8 (40.8-48.9)
West	2017	48.9 (44.7-53.1)
West	2018	50.0 (45.9-54.2)
West	2019	50.6 (46.5-54.7)
West	2020	65.6 (61.0-70.3)
West	Total	32.1 (31.3-32.9)
Total	Total	23.6 (23.3-23.9)

CI: Confidence interval

Supplemental Table 23: Epilepsy <35 years–related Age-Adjusted Mortality Rates per 100000 Stratified by urbanization in the United States, 1999 to 2020.

Year	Age-Adjusted Rate (95% CI)	
	Metropolitan	Nonmetropolitan
1999	2.5 (2.2-2.7)	2.9 (2.2-3.8)
2000	2.3 (2-2.6)	2.4 (1.8-3.2)
2001	2.2 (2-2.5)	3.5 (2.7-4.4)
2002	2.5 (2.2-2.8)	2.4 (1.7-3.2)
2003	2.5 (2.2-2.8)	3.5 (2.7-4.4)
2004	2.7 (2.4-3)	3 (2.3-3.9)
2005	2.9 (2.6-3.2)	3 (2.3-3.9)
2006	3 (2.7-3.3)	3.1 (2.4-4)
2007	2.7 (2.4-2.9)	3.3 (2.6-4.2)
2008	2.8 (2.5-3.1)	3.6 (2.8-4.5)
2009	3.1 (2.8-3.4)	3.1 (2.3-3.9)
2010	3.3 (3-3.6)	4 (3.2-4.9)
2011	3 (2.7-3.3)	3.5 (2.7-4.4)
2012	3.4 (3.1-3.7)	3.6 (2.8-4.5)
2013	4.2 (3.8-4.6)	5.1 (4.1-6.1)
2014	4.4 (4.1-4.8)	5.1 (4.1-6.1)
2015	4.6 (4.2-5)	4.7 (3.8-5.7)
2016	4.8 (4.5-5.2)	7.3 (6.1-8.5)
2017	5.6 (5.2-6)	5.4 (4.4-6.4)
2018	6.4 (6-6.8)	6.8 (5.7-8)
2019	6.8 (6.3-7.2)	6.7 (5.6-7.9)
2020	7.5 (7.1-8)	9.1 (7.8-10.4)
Total	3.8 (3.7-3.9)	4.3 (4.1-4.5)

CI: Confidence interval

Supplemental Table 24: Epilepsy 35-64 years-related Age-Adjusted Mortality Rates per 100000 Stratified by urbanization in the United States, 1999 to 2020.

Age-Adjusted Rate (95% CI)		
Year	Metropolitan	Nonmetropolitan
1999	6.2 (5.7-6.7)	7 (5.7-8.3)
2000	6.4 (5.9-6.9)	6.4 (5.2-7.6)
2001	6.1 (5.6-6.6)	7 (5.8-8.3)
2002	6.5 (6-7)	7.7 (6.4-9)
2003	6.4 (5.9-6.9)	7.8 (6.5-9.2)
2004	6 (5.5-6.5)	7.8 (6.5-9.1)
2005	6.2 (5.7-6.7)	8.7 (7.3-10)
2006	6.5 (6-6.9)	7.6 (6.3-8.9)
2007	6.2 (5.8-6.7)	7.8 (6.5-9.1)
2008	6 (5.6-6.5)	7.9 (6.6-9.2)
2009	6.3 (5.8-6.8)	7.5 (6.2-8.7)
2010	6.2 (5.7-6.6)	8.8 (7.4-10.2)
2011	6.7 (6.2-7.2)	6.7 (5.5-7.9)
2012	7.3 (6.8-7.9)	8.7 (7.4-10.1)
2013	7.5 (7-8.1)	10.3 (8.8-11.9)
2014	8.2 (7.7-8.8)	11.7 (10.1-13.4)
2015	9.1 (8.5-9.6)	10.9 (9.3-12.5)
2016	10.4 (9.8-11.1)	12.7 (11-14.4)
2017	10.9 (10.3-11.5)	15.7 (13.8-17.6)
2018	11.9 (11.2-12.5)	17.7 (15.6-19.7)
2019	11.9 (11.2-12.5)	18.7 (16.6-20.7)
2020	14.5 (13.8-15.2)	23.7 (21.4-26)
Total	8 (7.9-8.1)	10.4 (10.1-10.7)

CI: Confidence interval

Supplemental Table 25: Epilepsy 65 years or greater-related Age-Adjusted Mortality Rates per 100000 Stratified by urbanization in the United States, 1999 to 2020.

Age-Adjusted Rate (95% CI)		
Year	Metropolitan	Nonmetropolitan
1999	16.3 (14.8-17.8)	21.4 (17.9-24.9)
2000	14.7 (13.3-16.1)	21.3 (17.8-24.8)
2001	13.8 (12.4-15.1)	18.0 (14.8-21.2)
2002	13.8 (12.5-15.2)	20.5 (17.1-23.9)
2003	14.0 (12.6-15.4)	19.2 (15.9-22.5)
2004	13.7 (12.3-15.0)	17.6 (14.5-20.7)
2005	14.8 (13.4-16.1)	19.0 (15.8-22.3)
2006	13.3 (12.0-14.6)	15.1 (12.2-18.0)
2007	13.2 (11.9-14.5)	16.4 (13.4-19.3)
2008	14.1 (12.8-15.4)	17.5 (14.4-20.5)
2009	13.9 (12.6-15.1)	15.5 (12.6-18.4)
2010	16.4 (15.0-17.8)	18.5 (15.4-21.6)
2011	16.0 (14.6-17.3)	21.2 (17.9-24.6)
2012	18.6 (17.2-20.0)	20.0 (16.8-23.1)
2013	21.7 (20.2-23.2)	21.0 (17.8-24.3)
2014	24.1 (22.5-25.7)	26.0 (22.5-29.6)
2015	27.0 (25.3-28.6)	28.7 (25.0-32.4)
2016	31.6 (29.8-33.3)	34.6 (30.5-38.6)
2017	34.2 (32.4-36.0)	37.2 (33.1-41.3)
2018	37.5 (35.6-39.4)	41.5 (37.2-45.8)
2019	39.1 (37.2-41.0)	48.7 (44.1-53.4)
2020	51.9 (49.7-54.0)	58.9 (53.9-64.0)
Total	23.0 (22.6-23.3)	26.4 (25.6-27.1)

CI: Confidence interval