

Summary table

Tables include all 478 participants

Table 1 demo

	data (N = 478)	Success (N = 277)	Failure (N = 200)
Age			
mean (sd)	28.38 ± 25.33	25.69 ± 24.28	31.95 ± 26.32
Range	1-94	1-89	1-94
Age Group			
0-17y	229 (47.91%)	144 (51.99%)	85 (42.50%)
18y - 60 y	176 (36.82%)	100 (36.10%)	75 (37.50%)
>60 y	73 (15.27%)	33 (11.91%)	40 (20.00%)
Gender			
Female	207 (43.31%)	122 (44.04%)	85 (42.50%)
Male	271 (56.69%)	155 (55.96%)	115 (57.50%)
Race			
Black	201 (42.05%)	108 (38.99%)	93 (46.50%)
White	209 (43.72%)	127 (45.85%)	81 (40.50%)
Asian	18 (3.77%)	11 (3.97%)	7 (3.50%)
Other	14 (2.93%)	9 (3.25%)	5 (2.50%)
Unknown	36 (7.53%)	22 (7.94%)	14 (7.00%)
Ethnicity			
Hispanic	77 (16.11%)	50 (18.05%)	27 (13.50%)
Non-Hispanic	401 (83.89%)	227 (81.95%)	173 (86.50%)
Home antiepileptic medications			
Never or unknown	118(24.69%)	63(13.18%)	55(11.51%)
1	144 (40.00%)	87 (40.65%)	56 (38.62%)
2	112 (31.11%)	69 (32.24%)	43 (29.66%)
3	55 (15.28%)	33 (15.42%)	22 (15.17%)
4	28 (7.78%)	14 (6.54%)	14 (9.66%)

	data (N = 478)	Success (N = 277)	Failure (N = 200)
5	15 (4.17%)	9 (4.21%)	6 (4.14%)
6	6 (1.67%)	2 (0.93%)	4 (2.76%)
History of epilepsy			
Yes	344 (72.27%)	205 (74.28%)	138 (69.35%)
No	132 (27.73%)	71 (25.72%)	61 (30.65%)
NA	2(0.42%)	1(0.21%)	1(0.21%)
Median duration of seizure			
mean (sd)	75.82 ± 58.42	73.92 ± 59.88	78.34 ± 56.56
Range	6-620	6-620	9-385
Benzodiazepines given before ED arrival			
Yes	219 (57.03%)	125 (56.82%)	93 (57.06%)
No	165 (42.97%)	95 (43.18%)	70 (42.94%)
NA	94(19.67%)	57(11.92%)	37(7.74%)

Table 2 Seizure types

	Success.A (N = 105)	Success.B (N = 83)	Success.C (N = 89)	Failure.A (N = 74)	Failure.B (N = 66)	Failure.C (N = 60)
Seizure Type						
Stroke	3 (2.86%)	4 (4.82%)	1 (1.12%)	3 (4.05%)	4 (6.06%)	2 (3.33%)
Electrolyte anomalies	2 (1.90%)	0 (0.00%)	0 (0.00%)	1 (1.35%)	2 (3.03%)	1 (1.67%)
CNS Tumors/CNS infection	1 (0.95%)	3 (3.61%)	0 (0.00%)	4 (5.41%)	2 (3.03%)	5 (8.33%)
Unprovoked	39 (37.14%)	26 (31.33%)	31 (34.83%)	25 (33.78%)	31 (46.97%)	14 (23.33%)
Anti-epileptic drug withdrawal/non compliance	14 (13.33%)	12 (14.46%)	16 (17.98%)	10 (13.51%)	5 (7.58%)	4 (6.67%)
Febrile illness	23 (21.90%)	16 (19.28%)	21 (23.60%)	10 (13.51%)	9 (13.64%)	15 (25.00%)
Insufficient information to determine/idiopathic/cryptogenic	0 (0.00%)	2 (2.41%)	5 (5.62%)	9 (12.16%)	1 (1.52%)	4 (6.67%)
Toxic (alcohol / drug withdrawal-not AEDs, poisoning, etc.)	6 (5.71%)	5 (6.02%)	3 (3.37%)	7 (9.46%)	4 (6.06%)	5 (8.33%)
Other	17 (16.19%)	15 (18.07%)	12 (13.48%)	5 (6.76%)	8 (12.12%)	10 (16.67%)

Tables include only patients included in our data analysis (3)

We remove patients with NA in our interested characteristics.

Table 1 demo

	DATA (N = 325)	Success (N = 193)	Failure (N = 132)
Age			
mean (sd)	29.70 ± 24.69	28.25 ± 24.11	31.82 ± 25.46
Range	1-94	1-85	1-94
Age Group			
0-17y	143 (44.00%)	89 (46.11%)	54 (40.91%)
18y - 60 y	138 (42.46%)	81 (41.97%)	57 (43.18%)
>60 y	44 (13.54%)	23 (11.92%)	21 (15.91%)
Gender			
Female	150 (46.15%)	93 (48.19%)	57 (43.18%)
Male	175 (53.85%)	100 (51.81%)	75 (56.82%)
Race			
Black	139 (42.77%)	81 (41.97%)	58 (43.94%)
White	134 (41.23%)	82 (42.49%)	52 (39.39%)
Asian	13 (4.00%)	7 (3.63%)	6 (4.55%)
Other	10 (3.08%)	7 (3.63%)	3 (2.27%)
Unknown	29 (8.92%)	16 (8.29%)	13 (9.85%)
Ethnicity			
Hispanic	57 (17.54%)	37 (19.17%)	20 (15.15%)
Non-Hispanic	268 (82.46%)	156 (80.83%)	112 (84.85%)
Home antiepileptic medications			
Never or unknown	76(15.9%)	40(8.37%)	36(7.53%)
1	99 (39.76%)	64 (41.83%)	35 (36.46%)
2	79 (31.73%)	52 (33.99%)	27 (28.12%)
3	36 (14.46%)	20 (13.07%)	16 (16.67%)
4	18 (7.23%)	9 (5.88%)	9 (9.38%)

	DATA (N = 325)	Success (N = 193)	Failure (N = 132)
5	11 (4.42%)	6 (3.92%)	5 (5.21%)
6	6 (2.41%)	2 (1.31%)	4 (4.17%)
History of epilepsy			
Yes	248 (76.31%)	154 (79.79%)	94 (71.21%)
No	77 (23.69%)	39 (20.21%)	38 (28.79%)
Median duration of seizure			
mean (sd)	74.09 ± 55.85	73.05 ± 62.32	75.61 ± 44.94
Range	6-620	6-620	9-224
Benzodiazepines given before ED arrival			
Yes	194 (59.69%)	116 (60.10%)	78 (59.09%)
No	131 (40.31%)	77 (39.90%)	54 (40.91%)

Table 2 Seizure types

	Success.A (N = 77)	Success.B (N = 55)	Success.C (N = 61)	Failure.A (N = 48)	Failure.B (N = 44)	Failure.C (N = 40)
Seizure Type						
Stroke	3 (3.90%)	3 (5.45%)	1 (1.64%)	3 (6.25%)	4 (9.09%)	1 (2.50%)
Electrolyte anomalies	1 (1.30%)	0 (0.00%)	0 (0.00%)	1 (2.08%)	1 (2.27%)	0 (0.00%)
CNS Tumors/CNS infection	0 (0.00%)	3 (5.45%)	0 (0.00%)	2 (4.17%)	2 (4.55%)	3 (7.50%)
Unprovoked	28 (36.36%)	17 (30.91%)	22 (36.07%)	14 (29.17%)	20 (45.45%)	11 (27.50%)
Anti-epileptic drug withdrawal/non compliance	13 (16.88%)	9 (16.36%)	8 (13.11%)	10 (20.83%)	5 (11.36%)	2 (5.00%)
Febrile illness	14 (18.18%)	7 (12.73%)	14 (22.95%)	6 (12.50%)	5 (11.36%)	10 (25.00%)
Insufficient information to determine/idiopathic/cryptogenic	0 (0.00%)	2 (3.64%)	4 (6.56%)	3 (6.25%)	1 (2.27%)	3 (7.50%)
Toxic (alcohol / drug withdrawal-not AEDs, poisoning, etc.)	6 (7.79%)	3 (5.45%)	3 (4.92%)	6 (12.50%)	3 (6.82%)	4 (10.00%)
Other	12 (15.58%)	11 (20.00%)	9 (14.75%)	3 (6.25%)	3 (6.82%)	6 (15.00%)