

Supplemental Table 1A

	Variable	Age (years)	Percent Female	Seizure Duration	Seizure Freq (per mo)	Number (#) Sz Types	# Limbs Moving
DS	Mean	41.4	74	2:48 m:s	10.2	1.7	3.6
	Mean \pm SE	39.6-43.2	68-80	2:16 m:s-3:27 m:s	8.0-13.0	1.6-1.9	3.4-3.7
	IQR 25-75	28.7-51.5		1:00 m:s-8:52 m:s	2.9-31.2	1.0-2.0	4.0-4.0
Mixed	Mean	37.4	81	1:48 m:s	13.6	3.0	3.4
	Mean \pm SE	33.8-41.0	68-94	1:23 m:s-2:21 m:s	8.2-22.6	2.6-3.4	3.1-3.8
	IQR 25-75	28.0-45.5		1:16 m:s-2:35 m:s	6.5-30.5	2.0-3.0	4.0-4.0
ES	Mean	37.1	50	1:28 m:s	5.5	1.7	3.4
	Mean \pm SE	36.1-38.0	46-54	1:19 m:s-1:37 m:s	4.8-6.3	1.6-1.8	3.2-3.5
	IQR 25-75	26.0-48.0		0:32 m:s-3:30 m:s	1.5-20.0	1.0-2.0	2.0-4.0
PSLE	Mean	43.6	53	1:55 m:s	10.3	1.3	2.4
	Mean \pm SE	38.8-48.4	42-64	1:09 m:s-3:12 m:s	6.7-15.8	1.1-1.4	2.0-2.8
	IQR 25-75	25.7-57.5		0:30 m:s-4:54 m:s	4.2-30.5	1.0-1.0	1.5-4.0
Inconclusive	Mean	41.1	66	2:18 m:s	4.8	1.8	3.5
	Mean \pm SE	39.8-42.4	62-71	1:55 m:s-2:47 m:s	4.1-5.7	1.7-1.9	3.3-3.6
	IQR 25-75	29.7-52.0		0:45 m:s-4:00 m:s	2.0-14.7	1.0-2.0	4.0-4.0
P-value of Comparison	DS vs ES	<u>0.029</u>	<u>0.00022</u>	<u>0.0092</u>	<u>0.024</u>	0.77	0.13
	Mixed vs DS	0.32	0.75	0.24	0.62	<u>0.00085</u>	0.64
	Mixed vs ES	0.93	0.019	0.51	0.11	<u>0.00064</u>	0.86

Supplemental Table 1: Prevalence or value of each of the evaluated factors as well as age and sex. Intervals reflect mean plus and minus the standard error. **Bold-underlined** p-values indicate $\alpha < 0.05$, uncorrected. Shading of cells assists with visual alignment and has no other interpretation. For continuous variables (A), p-values are from heteroskedastic t-tests. For seizure duration and seizure frequency, values were log transformed prior to testing. For binary variables (B & C), p-values are based on Fisher exact tests. Abbreviations: Number (#), Seizure (Sz), Frequency (Freq), minutes (m), seconds (s).

Supplemental Table 1B

Variable	DS		Mixed		ES		PSLE		inconclusive		P-value of Comparison		
	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	DS vs ES	Mixed vs DS	Mixed vs ES
Injury from Sz	0.39	(0.28-0.50)	0.81	(0.62-1.00)	0.45	(0.39-0.52)	0.26	(0.10-0.48)	0.46	(0.37-0.55)	0.36	0.0024	0.0079
Trigger: Sleep Deprivation	0.34	(0.23-0.45)	0.63	(0.37-0.88)	0.41	(0.35-0.48)	0.26	(0.10-0.48)	0.37	(0.29-0.46)	0.28	0.047	0.12
Catamenial	0.09	(0.03-0.16)	0.25	(0.06-0.50)	0.12	(0.08-0.17)	0.05	(0.00-0.16)	0.07	(0.02-0.11)	0.54	0.092	0.24
Trigger: Light	0.25	(0.15-0.36)	0.38	(0.12-0.63)	0.16	(0.11-0.21)	0.16	(0.00-0.32)	0.14	(0.08-0.20)	0.088	0.35	0.037
Trigger: Food	0.08	(0.02-0.15)	0.25	(0.06-0.50)	0.13	(0.08-0.18)	0.11	(0.00-0.27)	0.03	(0.00-0.06)	0.31	0.066	0.25
Trigger: Missing Meds	0.25	(0.15-0.36)	0.56	(0.31-0.82)	0.41	(0.34-0.48)	0.05	(0.00-0.16)	0.34	(0.26-0.43)	0.01	0.018	0.30
Trigger: Loud Noises	0.10	(0.03-0.19)	0.19	(0.00-0.38)	0.06	(0.02-0.09)	0.05	(0.00-0.16)	0.07	(0.02-0.12)	0.20	0.39	0.079
Trigger: Stress	0.57	(0.45-0.68)	0.69	(0.43-0.88)	0.49	(0.43-0.56)	0.26	(0.10-0.48)	0.51	(0.43-0.60)	0.24	0.58	0.20
Trigger: Emotional Situations	0.32	(0.22-0.43)	0.25	(0.06-0.50)	0.19	(0.13-0.24)	0.16	(0.00-0.32)	0.18	(0.11-0.25)	0.017	0.77	0.52
Trigger: Alcohol	0.05	(0.01-0.11)	0.13	(0.00-0.32)	0.08	(0.04-0.13)	0.05	(0.00-0.16)	0.04	(0.00-0.08)	0.46	0.27	0.63
Any Aura	0.77	(0.67-0.86)	0.88	(0.68-1.00)	0.72	(0.66-0.78)	0.58	(0.36-0.79)	0.66	(0.58-0.75)	0.55	0.51	0.25
Aura: Headache	0.19	(0.11-0.29)	0.00	(0.00-0.13)	0.07	(0.04-0.11)	0.05	(0.00-0.16)	0.04	(0.00-0.08)	0.0047	0.065	0.61
Aura: Urinary urge	0.00	(0.00-0.03)	0.00	(0.00-0.13)	0.00	(0.00-0.02)	0.00	(0.00-0.11)	0.01	(0.00-0.03)	1.00	1.00	1.00
Aura: Epigastric	0.05	(0.01-0.11)	0.13	(0.00-0.32)	0.07	(0.04-0.11)	0.16	(0.00-0.32)	0.09	(0.04-0.14)	0.61	0.27	0.36
Aura: Anxiety or Fear	0.13	(0.06-0.21)	0.19	(0.00-0.38)	0.15	(0.10-0.20)	0.21	(0.05-0.43)	0.16	(0.10-0.23)	0.85	0.69	0.71
Aura: Déjà vu	0.03	(0.00-0.07)	0.00	(0.00-0.13)	0.12	(0.08-0.17)	0.05	(0.00-0.16)	0.09	(0.05-0.15)	0.0091	1.00	0.23
Aura: Scent	0.09	(0.03-0.16)	0.13	(0.00-0.32)	0.06	(0.02-0.09)	0.11	(0.00-0.27)	0.13	(0.08-0.19)	0.30	0.65	0.26
Aura: Pleasant Scent	0.01	(0.00-0.04)	0.00	(0.00-0.13)	0.00	(0.00-0.01)	0.00	(0.00-0.11)	0.02	(0.00-0.06)	0.24	1.00	1.00
Aura: Unpleasant Scent	0.06	(0.01-0.13)	0.13	(0.00-0.32)	0.02	(0.00-0.05)	0.00	(0.00-0.11)	0.08	(0.03-0.14)	0.14	0.35	0.082
Aura: Metallic Scent	0.01	(0.00-0.04)	0.06	(0.00-0.19)	0.05	(0.02-0.08)	0.11	(0.00-0.27)	0.06	(0.02-0.11)	0.20	0.32	0.58
Sz From Sleep	0.44	(0.33-0.56)	0.63	(0.37-0.88)	0.57	(0.50-0.64)	0.26	(0.10-0.48)	0.53	(0.45-0.62)	0.066	0.27	0.80
Fall during Sz	0.52	(0.40-0.64)	0.75	(0.50-0.94)	0.59	(0.52-0.65)	0.42	(0.21-0.64)	0.55	(0.47-0.64)	0.36	0.11	0.29
Loss of Awareness	0.64	(0.53-0.75)	0.75	(0.50-0.94)	0.67	(0.61-0.74)	0.42	(0.21-0.64)	0.66	(0.58-0.75)	0.58	0.56	0.59
Dialectic	0.19	(0.11-0.29)	0.31	(0.12-0.57)	0.15	(0.10-0.20)	0.16	(0.00-0.32)	0.18	(0.11-0.25)	0.37	0.32	0.15
Maximum Intensity at Onset	0.27	(0.18-0.38)	0.31	(0.12-0.57)	0.22	(0.17-0.28)	0.26	(0.10-0.48)	0.26	(0.18-0.33)	0.35	0.76	0.37
Amnesia	0.71	(0.61-0.82)	0.75	(0.50-0.94)	0.61	(0.54-0.67)	0.42	(0.21-0.64)	0.58	(0.49-0.66)	0.10	1.00	0.30
Aphasia	0.66	(0.55-0.77)	0.63	(0.37-0.88)	0.63	(0.56-0.69)	0.53	(0.31-0.74)	0.63	(0.54-0.71)	0.59	0.78	1.00
Oral injury	0.42	(0.31-0.54)	0.69	(0.43-0.88)	0.49	(0.43-0.56)	0.21	(0.05-0.43)	0.48	(0.40-0.57)	0.24	0.057	0.20
Muscle jerks	0.16	(0.07-0.25)	0.50	(0.25-0.75)	0.11	(0.07-0.15)	0.16	(0.00-0.32)	0.16	(0.10-0.23)	0.31	0.0053	0.00025
Tonic-clonic movements	0.36	(0.25-0.47)	0.56	(0.31-0.82)	0.35	(0.29-0.42)	0.05	(0.00-0.16)	0.30	(0.22-0.38)	0.89	0.17	0.11
Whole body movements	0.61	(0.5-0.72)	0.69	(0.43-0.88)	0.52	(0.45-0.59)	0.11	(0.00-0.27)	0.50	(0.41-0.58)	0.19	0.78	0.21
Part of the body movements	0.36	(0.25-0.47)	0.38	(0.12-0.63)	0.26	(0.20-0.32)	0.21	(0.05-0.43)	0.19	(0.12-0.26)	0.11	1.00	0.38
Stiffening	0.40	(0.29-0.52)	0.31	(0.12-0.57)	0.38	(0.31-0.45)	0.26	(0.10-0.48)	0.34	(0.26-0.43)	0.79	0.58	0.79
Shaking	0.61	(0.50-0.72)	0.63	(0.37-0.88)	0.51	(0.44-0.57)	0.26	(0.10-0.48)	0.50	(0.41-0.58)	0.12	1.00	0.44
Flailing	0.06	(0.01-0.13)	0.06	(0.00-0.19)	0.07	(0.03-0.10)	0.00	(0.00-0.11)	0.05	(0.01-0.09)	1.00	1.00	1.00
Numbness	0.19	(0.11-0.29)	0.25	(0.06-0.50)	0.07	(0.04-0.11)	0.11	(0.00-0.27)	0.10	(0.05-0.16)	0.0047	0.73	0.037

Supplemental Table 1C

Variable	DS		Mixed		ES		PSLE		inconclusive		P-value of Comparison		
	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	DS vs ES	Mixed vs DS	Mixed vs ES
Tingling	0.19	(0.11-0.29)	0.19	(0.00-0.38)	0.09	(0.05-0.13)	0.21	(0.05-0.43)	0.12	(0.06-0.18)	0.013	1	0.18
Dizziness	0.16	(0.07-0.25)	0.00	(0.00-0.13)	0.07	(0.04-0.11)	0.16	(0.00-0.32)	0.08	(0.03-0.14)	0.043	0.12	0.61
Hallucinations	0.13	(0.06-0.21)	0.13	(0.00-0.32)	0.08	(0.04-0.12)	0.11	(0.00-0.27)	0.07	(0.02-0.11)	0.18	1	0.63
Incontinence	0.26	(0.16-0.37)	0.63	(0.37-0.88)	0.33	(0.27-0.40)	0.21	(0.05-0.43)	0.33	(0.24-0.41)	0.26	0.0075	0.028
Limb Automatism	0.04	(0.00-0.10)	0.19	(0.00-0.38)	0.16	(0.11-0.21)	0.11	(0.00-0.27)	0.07	(0.02-0.12)	0.0056	0.061	0.73
Oral Automatism	0.16	(0.07-0.25)	0.50	(0.25-0.75)	0.17	(0.12-0.22)	0.11	(0.00-0.27)	0.15	(0.08-0.21)	0.86	0.0053	0.0038
Hip thrusting	0.04	(0.00-0.10)	0.06	(0.00-0.19)	0.04	(0.01-0.07)	0.00	(0.00-0.11)	0.04	(0.00-0.08)	1	0.54	0.51
Head Movements	0.45	(0.35-0.58)	0.63	(0.37-0.88)	0.36	(0.29-0.42)	0.11	(0.00-0.27)	0.29	(0.21-0.38)	0.14	0.28	0.058
Leftward Head Version	0.05	(0.01-0.11)	0.25	(0.06-0.50)	0.11	(0.07-0.16)	0.00	(0.00-0.11)	0.05	(0.01-0.09)	0.18	0.028	0.11
Rightward Head Version	0.09	(0.03-0.16)	0.13	(0.00-0.32)	0.09	(0.05-0.13)	0.00	(0.00-0.11)	0.09	(0.05-0.15)	1	0.65	0.64
Side-to-side Head Movements	0.09	(0.03-0.16)	0.25	(0.06-0.50)	0.07	(0.04-0.11)	0.11	(0.00-0.27)	0.05	(0.01-0.09)	0.62	0.092	0.032
Staring	0.38	(0.27-0.49)	0.69	(0.43-0.88)	0.39	(0.33-0.46)	0.32	(0.10-0.53)	0.31	(0.24-0.40)	0.89	0.028	0.033
Eye Movements	0.40	(0.29-0.52)	0.38	(0.12-0.63)	0.34	(0.28-0.41)	0.16	(0.00-0.32)	0.30	(0.22-0.38)	0.34	1	0.79
Leftward Eye Version	0.00	(0.00-0.03)	0.13	(0.00-0.32)	0.07	(0.04-0.11)	0.05	(0.00-0.16)	0.01	(0.00-0.03)	0.009	0.028	0.36
Rightward Eye Version	0.03	(0.00-0.07)	0.06	(0.00-0.19)	0.03	(0.01-0.06)	0.05	(0.00-0.16)	0.03	(0.00-0.06)	1	0.44	0.44
Upwards Eye Deviation	0.16	(0.07-0.25)	0.06	(0.00-0.19)	0.10	(0.05-0.14)	0.00	(0.00-0.11)	0.07	(0.02-0.12)	0.15	0.45	1
Eye Rolling	0.14	(0.06-0.23)	0.13	(0.00-0.32)	0.10	(0.06-0.14)	0.05	(0.00-0.16)	0.09	(0.04-0.14)	0.3	1	0.67
Eye Fluttering	0.08	(0.02-0.15)	0.13	(0.00-0.32)	0.05	(0.02-0.08)	0.05	(0.00-0.16)	0.07	(0.02-0.11)	0.4	0.62	0.21
Eye closure	0.23	(0.14-0.33)	0.19	(0.00-0.38)	0.10	(0.06-0.14)	0.11	(0.00-0.27)	0.09	(0.04-0.14)	0.0059	1	0.23
Eye opening	0.18	(0.10-0.28)	0.25	(0.06-0.50)	0.16	(0.11-0.21)	0.26	(0.10-0.48)	0.10	(0.05-0.16)	0.6	0.5	0.31
Freezing	0.09	(0.03-0.16)	0.00	(0.00-0.13)	0.04	(0.01-0.07)	0.11	(0.00-0.27)	0.01	(0.00-0.04)	0.14	0.6	1
Ictal Cry	0.13	(0.06-0.21)	0.38	(0.12-0.63)	0.21	(0.16-0.27)	0.11	(0.00-0.27)	0.17	(0.10-0.24)	0.14	0.029	0.13
Ictal Anxiety	0.18	(0.10-0.28)	0.06	(0.00-0.19)	0.11	(0.07-0.16)	0.05	(0.00-0.16)	0.15	(0.08-0.21)	0.12	0.45	1
Post-ictal Confusion or Fatigue	0.86	(0.77-0.94)	1.00	(0.87-1.00)	0.84	(0.79-0.89)	0.53	(0.31-0.74)	0.85	(0.79-0.92)	0.86	0.2	0.14
Post-ictal Muscle Soreness	0.61	(0.50-0.72)	0.50	(0.25-0.75)	0.38	(0.31-0.44)	0.26	(0.10-0.48)	0.55	(0.47-0.64)	0.00054	0.42	0.43
Post-ictal Headache	0.62	(0.51-0.73)	0.75	(0.50-0.94)	0.49	(0.42-0.55)	0.21	(0.05-0.43)	0.51	(0.43-0.60)	0.037	0.4	0.068