Table e-4. Comparison of time to treatment before and after awareness of marked delays in treatment administration for SE under different sensitivity analyses

	2011-2016	2017-2019	Univariate analysis *p*-value	Multivariate analysis
SENSITIVITY ANALYSIS 1: 2011-2016 versus 2017-2019				
ALL PATIENTS (N=328)				
	N=237	**N=91**		
Time to the first BZD (N=328)	17 (5-48) minutes	15 (5-36) minutes	0.3919	HR=0.92 (95% confidence interval: 0.72-1.19), *p*=0.5210
Time to the first non-BZD ASM (N=328)	65 (35-150) minutes	66 (31.5-151.5) minutes	0.7328	HR=0.92 (95% confidence interval: 0.71-1.18), *p*=0.4915
Time to the first continuous infusion (N=152)	180 (121-539) minutes	140 (85-540) minutes	0.2236	HR=0.95 (95% confidence interval: 0.64-1.42), *p*=0.8149
SE ONSET OUT OF THE HOSPITAL (N=222)				
At least one BZD before hospital arrival (N=157)	75/126 (59.5%)	23/31 (74.2%)	0.1513	OR=2.60 (95% confidence interval: 0.98-7.51), *p*=0.0632
At least one BZD before hospital arrival among patients with a prior diagnosis of epilepsy (N=85)	39/67 (58.2%)	17/18 (94.4%)	0.0042	OR=21.94 (95% confidence interval: 3.19-459.88), *p*=0.0081
	N=168	**N=54**		
Time to the first BZD (N=222)	20 (7.8-56.3) minutes	20 (5-48.8) minutes	0.5444	HR=1.00 (95% confidence interval: 0.73-1.39), *p*=0.9792
Time to the first non-BZD ASM (N=222)	83 (45-165.2) minutes	78.5 (51.3-206.8) minutes	0.7463	HR=0.99 (95% confidence interval: 0.72-1.37), *p*=0.951
Time to the first continuous infusion (N=101)	172 (123.5-604) minutes	217.5 (67.5-900) minutes	0.6875	HR=0.88 (95% confidence interval: 0.50-1.54), *p*=0.650
SE ONSET IN THE HOSPITAL (N=106)				
	N=69	**N=37**		
Time to the first BZD (N=106)	9 (4-26) minutes	9 (5-23) minutes	0.5074	HR=0.88 (95% confidence interval: 0.56-1.40), *p*=0.597
Time to the first non-BZD ASM (N=106)	42 (20-76) minutes	31 (24-96) minutes	0.6807	HR=1.08 (95% confidence interval: 0.68-1.73), *p*=0.7501
Time to the first continuous infusion (N=51)	186 (120-487.5) minutes	135 (90.5-326.5) minutes	0.3845	HR=1.37 (95% confidence interval: 0.67-2.79), *p*=0.388
SENSITIVITY ANALYSIS 2: CONSIDER ONLY CENTERS ALREADY IN pSERG DURING 2011-2013				

ORIGINAL COMPARISON 2011-2014 versus 2015-2019			
	2011-2014	**2015-2019**	**Univariate analysis**	**Multivariate analysis**
ALL PATIENTS (N=268)				
	N=150	**N=118**		
Time to the first BZD (N=268)	20 (5-53.8) minutes	19 (5-38) minutes	0.3825	HR=1.07 (95% confidence interval: 0.84-1.38), *p*=0.5726
Time to the first non-BZD ASM (N=268)	66.5 (34.3-160) minutes	65.5 (38.5-149.8) minutes	0.9475	HR=1.01 (95% confidence interval: 0.79-1.30), *p*=0.9113
Time to the first continuous infusion (N=119)	180 (123.5-539) minutes	212 (122-660.5) minutes	0.7007	HR=0.97 (95% confidence interval: 0.66-1.43), *p*=0.8922
SE ONSET OUT OF THE HOSPITAL (N=184)				
At least one BZD before hospital arrival (N=134)	40/80 (50%)	43/54 (79.6%)	0.0006	OR=5.22 (95% confidence interval: 2.16-13.83), *p*=0.0005
At least one BZD before hospital arrival among patients with a prior diagnosis of epilepsy (N=74)	22/42 (52.4%)	24/32 (75%)	0.0562	OR=3.07 (95% confidence interval: 0.92-11.59), *p*=0.0783
	N=104	**N=80**		
Time to the first BZD (N=184)	26.5 (9.3-62.5) minutes	20 (7-48.5) minutes	0.3272	HR=1.02 (95% confidence interval: 0.75-1.39), *p*=0.8882
Time to the first non-BZD ASM (N=184)	81 (45-182.5) minutes	89.5 (59-162.8) minutes	0.5638	HR=0.92 (95% confidence interval: 0.68-1.25), *p*=0.594
Time to the first continuous infusion (N=84)	175 (134-634.5) minutes	212 (121.5-660.5) minutes	0.9893	HR=1.19 (95% confidence interval: 0.74-1.93), *p*=0.4771
SE ONSET IN THE HOSPITAL (N=84)				
	N=46	**N=38**		
Time to the first BZD (N=84)	8 (4.3-25.8) minutes	11 (4-23.8) minutes	0.9427	HR=1.23 (95% confidence interval: 0.77-1.96), *p*=0.3972
Time to the first non-BZD ASM (N=84)	44.5 (20.3-86.8) minutes	32 (23-73.3) minutes	0.6210	HR=1.20 (95% confidence interval: 0.76-1.90), *p*=0.4431
Time to the first continuous infusion (N=35)	210 (121-462) minutes	205 (131.8-535.5) minutes	0.5615	HR=0.88 (95% confidence interval: 0.38-2.03), *p*=0.7604
SENSITIVITY ANALYSIS 3: CONSIDER ONLY CENTERS ALREADY IN pSERG DURING 2011-2013 **2011-2016 versus 2017-2019**				
	2011-2016	**2017-2019**	**Univariate analysis**	**Multivariate analysis**
ALL PATIENTS (N=268)				

	N=220	N=48		
Time to the first BZD (N=268)	20 (5-49.3) minutes	20 (5-33.5) minutes	0.3825	HR=1.08 (95% confidence interval: 0.78-1.49), *p*=0.6462
Time to the first non-BZD ASM (N=268)	66.5 (37.8-150.8) minutes	64.5 (31.8-159.3) minutes	0.9475	HR=0.93 (95% confidence interval: 0.68-1.28), *p*=0.6454
Time to the first continuous infusion (N=119)	186 (122-574.8) minutes	420 (135-1000) minutes	0.7007	HR=0.82 (95% confidence interval: 0.44-1.5), *p*=0.5141
SE ONSET OUT OF THE HOSPITAL (N=184)				
At least one BZD before hospital arrival (N=134)	70/119 (58.8%)	13/15 (86.7%)	0.0474	OR=6.70 (95% confidence interval: 1.50-48.48), *p*=0.0252
At least one BZD before hospital arrival among patients with a prior diagnosis of epilepsy (N=74)	36/63 (57.1%)	10/11 (90.9%)	0.0437	OR=15.44 (95% confidence interval: 1.83-358.12), *p*=0.0288
	N=154	N=30		
Time to the first BZD (N=184)	21.5 (7.3-58.8) minutes	25 (6.3-44.3) minutes	0.3272	HR=0.96 (95% confidence interval: 0.64-1.46), *p*=0.8610
Time to the first non-BZD ASM (N=184)	88.5 (47.3-169) minutes	77 (58.3-206.8) minutes	0.5638	HR=0.88 (95% confidence interval: 0.58-1.33), *p*=0.545
Time to the first continuous infusion (N=84)	180 (125-626) minutes	600 (330-1188) minutes	0.9893	HR=0.76 (95% confidence interval: 0.33-1.74), *p*=0.5091
SE ONSET IN THE HOSPITAL (N=84)				
	N=66	N=18		
Time to the first BZD (N=84)	9.5 (4-27.5) minutes	12.5 (4.3-20.8) minutes	0.9427	HR=1.21 (95% confidence interval: 0.68-2.15), *p*=0.5194
Time to the first non-BZD ASM (N=84)	41.5 (20-75.5) minutes	30 (24-81) minutes	0.6210	HR=1.22 (95% confidence interval: 0.69-2.17), *p*=0.4921
Time to the first continuous infusion (N=35)	210 (122-510) minutes	204.5 (146-372.5) minutes	0.5615	HR=1.48 (95% confidence interval: 0.48-4.59), *p*=0.494

Legend: BZD: Benzodiazepine. **N:** Number of patients. **NA:** Not applicable. **Non-BZD ASM:** Non-benzodiazepine antiseizure medication. **RMST:** Restricted mean survival times. **SE:** Status epilepticus.