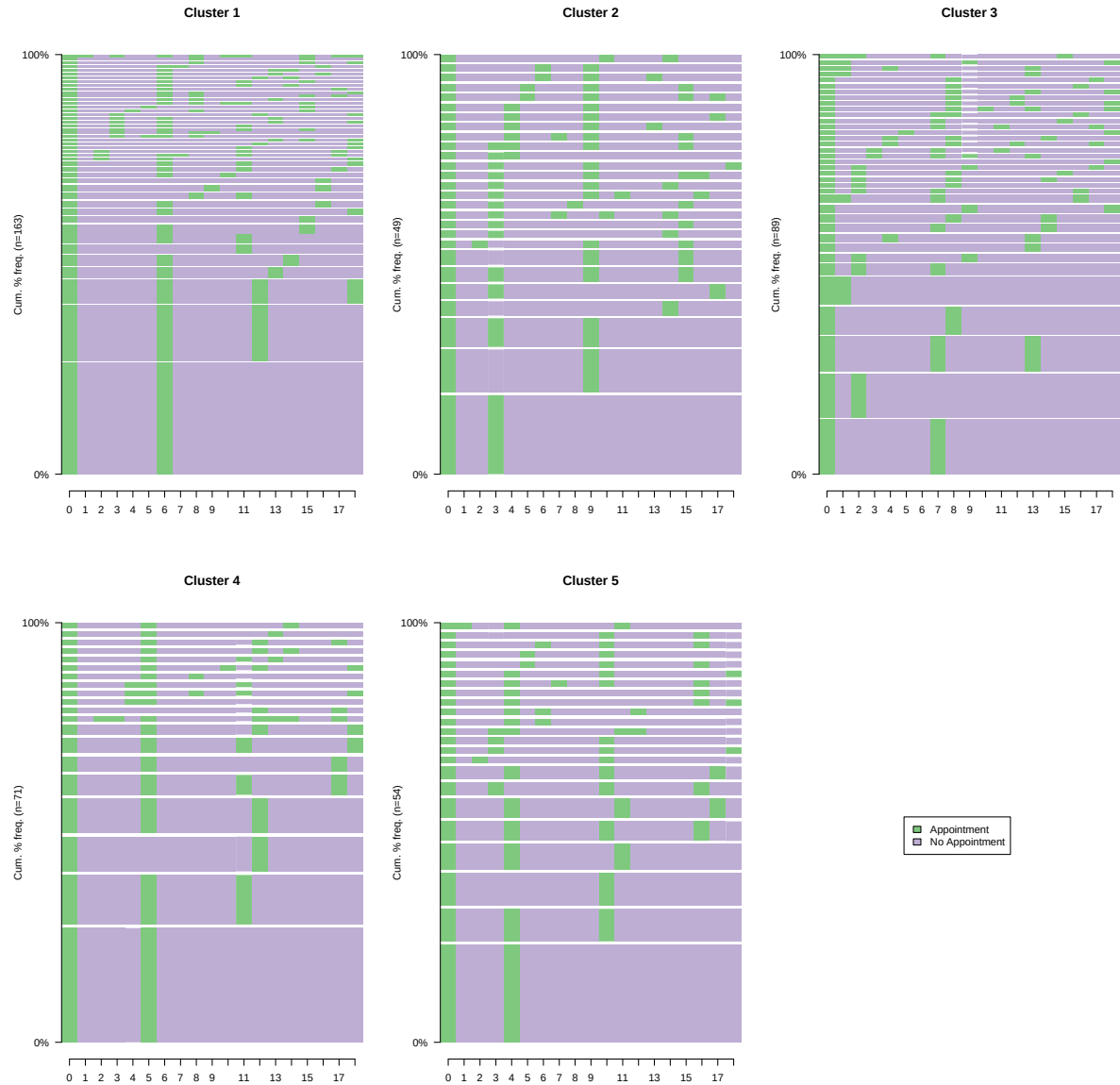


Supplemental materials

	1 (n=163)	2 (n=49)	3 (n=89)	4 (n=71)	5 (n=54)	<i>p-value</i>
Sex (%):						
Female	86 (53)	22 (45)	37 (42)	37 (52)	29 (54)	0.42
Male	77 (47)	27 (55)	52 (58)	34 (48)	25 (46)	
Mean age at first appointment (SD)	47.1 (18.9)	50.9 (16.9)	52.4 (19.7)	50.6 (17.2)	46.3 (19.4)	0.31
Time from referral in weeks (SD)	12.2 (9.1)	14.7 (9.3)	13.9 (8.7)	12.7 (8.5)	12.3 (8.3)	0.85
Diagnosis Category (%):						
Seizure/epilepsy	45 (27.6)	12 (24.5)	15 (16.9)	22 (31.0)	14 (25.9)	0.441
Miscellaneous Neurological Disorders	18 (11.0)	4 (8.2)	12 (13.5)	8 (11.3)	9 (17.7)	0.820
Movement Disorders	15 (9.2)	14 (28.6)	11 (12.4)	6 (8.5)	3 (5.5)	0.003
Peripheral nerve/neuromuscular	14 (8.6)	1 (2.1)	15 (16.9)	6 (8.5)	2 (3.7)	0.041
Stroke	12 (7.4)	3 (6.1)	6 (6.7)	6 (8.5)	2 (3.7)	0.888
Headache	12 (7.4)	4 (8.2)	5 (5.6)	4 (5.6)	3 (5.5)	0.955
Psychological/functional	10 (6.1)	2 (4.1)	4 (4.5)	6 (8.5)	4 (7.4)	0.865
Multiple Sclerosis/demyelination	6 (3.7)	4 (8.2)	3 (3.4)	6 (8.5)	3 (5.5)	0.446
No Diagnosis Made	10 (6.1)	-	6 (6.7)	2 (2.8)	2 (3.7)	0.355
Spinal disorders	7 (4.3)	1 (2.1)	5 (5.6)	4 (5.6)	2 (3.7)	0.912
Syncope/transient loss of consciousness	5 (3.1)	1 (2.1)	2 (2.2)	-	5 (9.3)	0.051
No definite neurological diagnosis	4 (2.5)	3 (6.1)	1 (1.1)	1 (1.4)	2 (3.7)	0.399
Dementia	1 (0.6)	-	1 (1.1)	-	2 (3.7)	0.234
Muscle	1 (0.6)	-	1 (1.1)	-	1 (1.9)	0.919
Motor Neurone Disease	2 (1.2)	-	1 (1.1)	-	-	0.870
Brain tumour	1 (0.6)	-	-	-	-	0.803
General medical	-	-	1 (1.1)	-	-	0.641

Supplemental Table 1: Patient characteristics for the 5 clusters resulting from SSA on the sequences focussed on appointment timing. After adjusting for multiple testing statistically significant p-values are highlighted in bold.



Supplemental Figure 1: Visualisation of the 5 clusters resulting from SSA on the sequences focussed on appointment timing. The most common sequence in each cluster is oriented at the base of the y-axis and the height of the bars represents the frequency of that sequence within the cluster. Cluster size is included in brackets in the y-axis title.