



Supplementary Material

Article Title: Clustering Suicide Attempters: Impulsive-Ambivalent, Well-Planned, or Frequent

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Disclaimer

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Supplementary eTable 1. Distribution of the variables used to construct the clusters across 2 randomly selected subsamples.

Construction variables	Subsample 1	Subsample 2
Violent Suicide Attempt		
Cluster 1	36 (12.72%)	56 (13.79%)
Cluster 2	56 (30.43%)	28 (32.56%)
Cluster 3	13 (35.14%)	4 (30.77%)
Serious suicide attempt		
Cluster 1	24 (8.48%)	60 (14.78%)
Cluster 2	50 (27.17%)	27 (31.40%)
Cluster 3	24 (64.86%)	9 (69.23%)
Number of suicide attempts median (IQR₂₅₋₇₅)		
Cluster 1	2 (1-2)	2 (1-3)
Cluster 2	2 (1-3)	1 (1-2)
Cluster 3	10 (6-11)	15 (15-20)
Age at first suicide attempt median (IQR₂₅₋₇₅)		
Cluster 1	28 (20-43)	28.5 (20-41)
Cluster 2	35 (23-45)	42 (30-52)
Cluster 3	24 (17-33)	21 (16-28)
SIS score: Objective Circumstances median (IQR₂₅₋₇₅)		
Cluster 1	4 (2-5)	5 (3-7)
Cluster 2	9 (7-10)	10.5 (8-12)
Cluster 3	6 (4-7)	7 (6-10)
SIS score: Self-report median (IQR₂₅₋₇₅)		
Cluster 1	8 (6-11)	9 (6-12)
Cluster 2	12 (11-13)	13 (12-14)
Cluster 3	11 (9-13)	12 (10-14)
RRRS Rescue score, median (IQR₂₅₋₇₅)		
Cluster 1	13 (12-14)	13 (12-14)
Cluster 2	11 (10-12)	10 (9-11)
Cluster 3	12 (11-13)	11 (10-12)
Suicide means (RRRS item 1),		
Cluster 1 Drowning, suffocation, strangulation Jump, gunshot Ingestion, cut, stab	10 (3.53%) 8 (2.83%) 265 (93.64%)	15 (3.69%) 14 (3.45%) 377 (92.86%)
Cluster 2 Drowning, suffocation, strangulation Jump, gunshot Ingestion, cut, stab	33 (17.93%) 17 (9.24%) 134 (72.83%)	12 (13.95%) 12 (13.95%) 62 (72.1%)

Cluster 3 <i>Drowning, suffocation, strangulation Jump, gunshot Ingestion, cut, stab</i>	4 (10.81%) 4 (10.81%) 29 (78.38%)	0 0 13 (100%)
Relationship between Drug Intake and Attempt (SIS item 20)		
Cluster 1 <i>No drug intake Intentional drug intake Enough drug to impair judgement Not enough to impair judgement</i>	193 (68.20%) 0 0 90 (31.80%)	265 (65.27%) 10 (2.46%) 2 (0.49%) 129 (31.77%)
Cluster 2 <i>No drug intake Intentional drug intake Enough drug to impair judgement Not enough to impair judgement</i>	116 (63.04%) 8 (4.35%) 4 (2.17%) 56 (30.43%)	57 (66.28%) 0 0 29 (33.7%)
Cluster 3 <i>No drug intake Intentional drug intake Enough drug to impair judgement Not enough to impair judgement</i>	22 (59.46%) 0 0 15 (40.5%)	6 (46.15%) 0 0 7 (53.85%)
Active Preparation for Attempt (SIS item 6)		
Cluster 1 <i>None Minimal to moderate Extensive</i>	206 (72.79%) 65 (22.97%) 12 (4.24%)	263 (64.78%) 112 (27.59%) 31 (7.64%)
Cluster 2 <i>None Minimal to moderate Extensive</i>	45 (24.46%) 85 (46.20%) 54 (29.35%)	7 (8.14%) 33 (38.37%) 46 (53.49%)
Cluster 3 <i>None Minimal to moderate Extensive</i>	25 (67.57%) 10 (27.03%) 2 (5.41%)	10 (76.92%) 2 (15.38%) 1 (7.69%)
Relationship between Alcohol Intake and Attempt (SIS item 19)		
Cluster 1 <i>No alcohol intake Intentional alcohol intake Enough alcohol to impair judgement Not enough to impair judgement</i>	180 (63.60%) 17 (6.01%) 13 (4.59%) 73 (25.80)	242 (59.61%) 36 8.87%) 29 (7.14%) 99 (24.38%)
Cluster 2 <i>No alcohol intake</i>	104 (56.52%)	53 (61.63%)

<i>Intentional alcohol intake</i>	14 (7.61%)	7 (8.14%)
<i>Enough alcohol to impair judgement</i>	19 (10.33%)	2 (2.33%)
<i>Not enough to impair judgement</i>	47 (25.54%)	24 (27.91%)
Cluster 3		
<i>No alcohol intake</i>	21 (56.76%)	7 (53.85%)
<i>Intentional alcohol intake</i>	1 (2.70%)	0
<i>Enough alcohol to impair judgement</i>	0	1 (7.7%)
<i>Not enough to impair judgement</i>	15 (40.54%)	5 (38.5%)

Supplementary eTable 2. Intercorrelations between quantitative variables used to construct the clusters.

Spearman Correlation Coefficients, N=1009 Prob > r under H0: Rho=0	Number of suicide attempts	Age at the first suicide attempt	SIS scale: objective circumstances	SIS scale: self- concept	RRRS Rescue score
Number of suicide attempts	1.00000	-0.38184 <.0001	0.02095 0.5063	0.18947 <.0001	-0.05881 0.0618
Age of the patient at the first suicide attempt	-0.38184 <.0001	1.00000	0.04532 0.1503	-0.00434 0.8905	-0.07240 0.0215
SIS scale: objective circumstances	0.02095 0.5063	0.04532 0.1503	1.00000	0.48260 <.0001	-0.55861 <.0001
SIS scale: self-concept	0.18947 <.0001	-0.00434 0.8905	0.48260 <.0001	1.00000	-0.40751 <.0001
RRRS Rescue score	-0.05881 0.0618	-0.07240 0.0215	-0.55861 <.0001	-0.40751 <.0001	1.00000