Data supplement

Table DS1 Suicide history and suicide intent data (attempters $n = 28$)

Characteristic	Mean	Standard Deviation	Range
Time since last attempt	19.0 months	22.8 months	0.7 to 114.7 months
Lethality (SHF)	1.96	1.20	0–5[a]
Number of Attempts	2.39	1.97	1–8
Preparation (SIS: none = 0, moderate = 1, extensive = 2)	0.46	0.64	0–2
Planning (SIS: none = 0, < 3hours = 1, > 3 hours = 2)[b]	0.86	0.89	0–2
SIS score	16.46	6.02	10–22

SIS, Suicide Intent Scale; SHF, Suicide History Form.
Methods employed (attempters, $n = 28$; total number of attempts = 67): overdose 33; cutting 14; hanging 14; jumping 5 (2 from height, 3 pedestrian/motor vehicle); ingestion (non-pharmaceutical) 1; carbon monoxide inhalation 1; drowning 1; 2 attempters used multiple methods (drowning and overdose, cutting and overdose) in one attempt.
a. 0 scores: 2 participants caught/stopped when jumping from height and 1 overdose with minimal sequelae.
b. 13 participants from the attempter group attempted suicide impulsively, 6 attempted suicide with less than 3 hours of planning, and 9 attempted suicide with greater than 3 hours of planning prior to the attempt per SHF.

Table DS2 Cortical brain volume and thickness: post-hoc t-tests, group (ATT, NAT, HC), covarying for age, gender, difference in scanners, and total brain volume. (Value in bold survived Monte Carlo simulation correction in QDec).

Region	Side	Post Hoc test	Volume or thickness	t	df	P	F	x	y	z	Cluster size
Caudal middle frontal gyrus (BA8)	R	HC>ATT	volume	2.18	68	0.032	4.78	27	21	36	16.04
	L	HC>ATT	volume	2.79	68	0.007	7.82	−30	15	40	90.59
		NAT>ATT	volume	2.19	58	0.033	4.79	−30	12	38	22.88
Rostral middle frontal gyrus (BA9)	L	HC>ATT	volume	2.34	68	0.022	5.49	−21	53	−4	1.91
		HC>NAT	thickness	2.04	71	0.035	4.15	−34	30	25	7.40
Medial orbital frontal gyrus (BA10)	L	HC>ATT	thickness	2.96	68	0.004	8.78	−14	38	17	51.33
		HC>NAT	thickness	3.59	71	0.001	12.91	−8	56	−5	213.7
Posterior cingulate gyrus (BA31)	L	HC>NAT	thickness	2.19	71	0.031	4.82	−7	−25	39	24.48
Rostral anterior cingulate gyrus (BA32)	L	HC>NAT	thickness	2.46	71	0.016	6.05	−13	21	23	16.80
Superior temporal gyrus (BA22)	**R**	**HC>ATT**	**volume**	**2.46**	**68**	**0.016**	**6.08**	**35**	**13**	**−41**	**889.8**
	L	HC>ATT	volume	2.45	68	0.017	5.99	−60	−50	20	53.82
		HC>NAT	volume	2.12	71	0.030	4.91	−47	−15	−7	79.25
Transverse temporal gyrus (BA41)	R	HC>ATT	volume	2.84	68	0.006	8.05	45	−22	14	242.16
Temporal pole gyrus (BA38)	L	NAT>ATT	thickness	2.05	58	0.044	4.22	−32	11	−38	22.22
Middle temporal gyrus (BA21)	L	HC>NAT	thickness	2.60	71	0.011	6.75	−58	−6	−6	32.71
Inferior temporal gyrus (BA20)	R	HC>NAT	thickness	2.66	71	0.010	7.08	46	−38	−19	291.41
	L	HC>NAT	thickness	2.15	71	0.035	4.63	−57	−39	−16	41.96
		HC>ATT	volume	2.29	68	0.025	5.27	−41	−11	−31	142.27
Fusiform gyrus (BA37)	R	HC>ATT	thickness	2.21	68	0.031	4.87	36	−7	−20	50.67
		HC>ATT	volume	2.15	68	0.035	4.61	51	−4	−25	327.48
	L	HC>ATT	thickness	2.42	68	0.018	5.86	−37	−8	−20	127.14
Precuneus gyrus (BA7)	L	HC>ATT	volume	2.15	68	0.035	4.63	−10	−42	44	12.92
		HC>NAT	volume	2.26	71	0.027	5.11	−11	−54	37	107.2
Lateral occipital gyrus (BA18)	L	HC>ATT	volume	2.14	68	0.036	4.57	−21	−97	12	32.58
Parahippocampal gyrus (BA34)	L	NAT>ATT	volume	2.63	58	0.011	6.91	36	−28	−17	17.81