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Supplementary Material

LIST OF SUPPLEMENTARY MATERIAL FOR THE ARTICLE

DISCLAIMER

This Supplementary Material has been provided by the authors as an enhancement to the published article. It has been approved by peer review; however, it has undergone neither editing nor formatting by in-house editorial staff. The material is presented in the manner supplied by the author.

Supplementary Table 1. Associations between initial sleep/wake factors and baseline suicidal ideation severity in the overall sample and subgroups with and without a prior suicide attempt

	Overall sample (n=30)		Subgroup with a prior suicide attempt (n=21)		Subgroup without a prior suicide attempt (n=9)	
	β (standard error)	p-value	β (standard error)	p-value	β (standard error)	p-value
Insomnia Severity Index total score	-0.3 (1.5)	0.83	2.1 (1.8)	0.26	-4.7 (4.0)	0.31
Inter-daily stability[a]	-2.0 (0.9)	0.04	-1.9 (1.1)	0.09	-2.7 (2.4)	0.04
Relative amplitude[a]	-2.6 (0.9)	0.009	-2.8 (1.0)	0.02	-2.1 (2.3)	0.42
Sleep duration[a]	0.3 (1.0)	0.74	0.4 (1.2)	0.73	0.7 (2.9)	0.83
Wake after sleep onset[a]	1.2 (1.0)	0.22	2.0 (1.2)	0.10	-2.4 (2.0)	0.30

All regression coefficients were derived from separate linear regression models adjusted for age, sex, and depression severity. [a]Objective actigraphy sleep/wake measures shown in this table are from the first recording week (between the baseline visit and first weekly call)

Supplementary Table 2. Associations between sleep/wake measures with weekly depression severity measured with the PHQ-8

	β (standard error)	p-value
Inter-daily stability	-1.0 (0.5)	0.03
Relative amplitude	-1.0 (0.4)	0.009
Sleep duration	-1.2 (0.5)	0.02
Wake after sleep onset	-0.2 (0.4)	0.21

Regression coefficients were derived from separate mixed effects models adjusted for age, sex, and week in study. Sleep/wake measures reflect the week prior to the depression severity measure. The number of observations range from 146-149 due to differences in sleep/wake variable missingness.

Supplementary Table 3. Partial, age/sex adjusted, Pearson correlations between the initial sleep/wake variables

	Insomnia Severity Index total score		Inter-daily stability		Relative amplitude		Sleep duration		Wake after sleep onset	
	Pearson r	p-value	Pearson r	p-value	Pearson r	p-value	Pearson r	p-value	Pearson r	p-value
Insomnia Severity Index	1.00		-0.21	0.28	-0.40	0.03	-0.24	0.22	0.33	0.09
Inter-daily stability	-0.21	0.28	1.00		**0.80**	**<.0001**	-0.04	0.83	-0.33	0.09
Relative amplitude	-0.40	0.03	**0.80**	**<.0001**	1.00		0.24	0.23	**-0.55**	**0.003**
Sleep duration	-0.24	0.22	-0.04	0.83	0.24	0.23	1.00		-0.36	0.06
Wake after sleep onset	0.33	0.09	-0.33	0.09	-0.55	**0.003**	-0.36	0.06	1.00	