

## **Supplementary Material**

**Article Title:** Development of a Computerized Adaptive Suicide Scale—the CAT-SS

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### **Disclaimer**

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### Supplementary eTable 1: Example Testing Sessions for Symptoms in the Past 2 Weeks

<b>High Suicidal Severity</b>	
Have you felt that life was not worth living?	Quite a bit
How much were you distressed by feelings of worthlessness?	Extremely
How often did you feel that others would be better off if you were dead?	Often
How often did you feel sad?	All of the time
How much have you felt nothing was interesting or fun?	Quite a bit
How much were you distressed by feeling blue?	Extremely
How much were you distressed by feeling hopeless about the future?	Quite a bit
How much have you felt like a failure?	Extremely
Has feeling depressed interfered with what you usually do?	Most of the time
I felt gloomy.	Extremely
How much have you felt withdrawn from others?	Quite a bit
I felt that I could not shake off the blues even with help from my family or friends.	Very much
I was unhappy.	Always
How much have you felt confused?	Quite a bit
Score=89.9, Precision 4.9, High Risk	
<b>Moderate Suicidal Severity</b>	
Have you felt that life was not worth living?	Moderately
I felt depressed.	Some of the time
Did you experience long periods of sadness?	Sometimes
Has feeling depressed interfered with what you usually do?	Some of the time
I felt that I could not shake off the blues even with help from my family or friends.	Somewhat
How much of the time have you felt so down in the dumps that nothing could cheer you up?	Some of the time
Did you feel isolated from others?	Some of the time
How much difficulty have you been having in the area of isolation or feelings of loneliness?	Moderate
How much were you distressed by the idea that something was wrong with your mind?	Moderately
How much have you been disappointed in yourself?	Moderately
My life lacked meaning and purpose.	Somewhat
Score 63.5, Precision 5.0., Moderate Risk	

<b>Supplementary eTable 1: Example Testing Sessions for Symptoms in the Past 2 Weeks (continued).</b>	
<b>Low Suicidal Severity</b>	
Have you felt that life was not worth living?	Not at all
How sad did you feel?	A little bit
How much were you distressed by repeated unpleasant thoughts?	A little bit
How much were you distressed by feelings of guilt?	Not at all
I was unhappy.	Occasionally
Did you feel isolated from others?	A little of the time
How much have you felt that nothing was enjoyable?	Not at all
How much of the time did you have difficulty reasoning and solving problems; for example, making plans, making decisions, learning new things?	A little of the time
I worried that my condition will get worse.	A little bit
Have you been feeling out of sorts?	No more than usual
I felt that life was empty or wondered if it was worth living.	Not at all
You felt you had no purpose, as if everything had lost its significance?	No
Have you had any reason to wonder if you were losing your mind?	No
Severity 35.9, Precision 5.0, Low Risk	

**Supplementary eTable 2: Domains, Subdomains, Facets, and Average thresholds  
for Positive Symptomatology\***

1.	Depression\Behavior\Interpersonal	(2 items, average threshold = -1.06)
2.	Depression\Cognition\Information Deficits	(3 items, average threshold = -1.01)
3.	Depression\Behavior\Low Activity	(2 items, average threshold = -1.01)
4.	Depression\Mood\Negative Affect	(17 items, average threshold = -0.99)
5.	Anxiety\Mood\Fear & Anxiety	(7 items, average threshold = -0.83)
6.	Depression\Cognition\Social Cognition	(8 items, average threshold = -0.83)
7.	Depression\Cognition\Impaired View	(9 items, average threshold = -0.76)
8.	Depression\Behavior\Low Energy	(2 items, average threshold = -0.70)
9.	Depression\Cognition\Hopelessness	(6 items, average threshold = -0.67)
10.	Depression\Mood\Positive Affect	(10 items, average threshold = -0.54)
11.	Anxiety\Mood\Anxious Misery	(1 item, average threshold = -0.52)
12.	Anxiety\Cognition	(18 items, average threshold = -0.41)
13.	Depression\Treatment\Perceived Need	(1 item, average threshold = -0.39)
14.	Depression\Cognition\Helplessness	(5 items, average threshold = -0.36)
15.	Depression\Cognition\Guilt	(3 items, average threshold = -0.31)
16.	Anxiety\Somatic\Specific Symptoms	(2 items, average threshold = -0.30)
17.	Anxiety\Behaviors	(5 items, average threshold = -0.27)
18.	Depression\Cognition\Information Unproductive	(1 item, average threshold = -0.06)
19.	Depression\Suicidality\Suicidal Ideation	(11 items, average threshold = 0.11)
*The higher the threshold, the more severe the suicidal content of the symptom.		