Western University

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Spring May 14, 2014

A new brief scale to assess suicidality: Scale for impact of suicidality-management, assessment and planning of care (SIS-MAP- brief scanner)

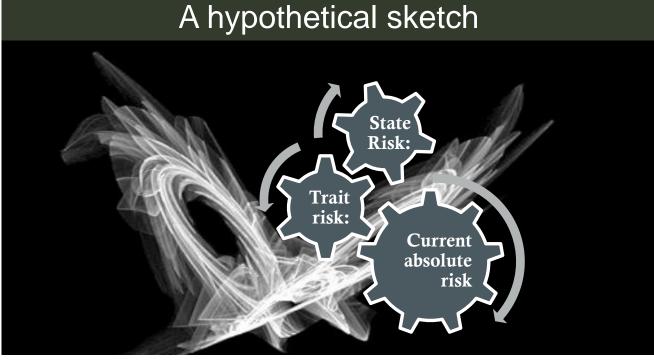
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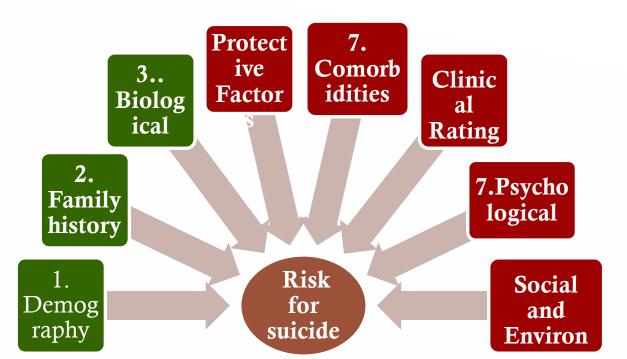
Available at: https://works.bepress.com/amreshsrivastava/112/



Part A: Construction of the Scale: Objective and Background



Concept of Risk: We believe Risk is a Multidimensional Construct consisting of 8 Domains.



We further believe that 'Absolute' Risk appears when an individual's resilience is compromised by various risk factors, making an individual more vulnerable.

1. Mechanism of interaction between Risk and Protective factors, its constituents and constructs are not known. Suicide Risk: A continuously evolving concept. 2. Available instruments: Do

not capture comprehensive nature of risk.

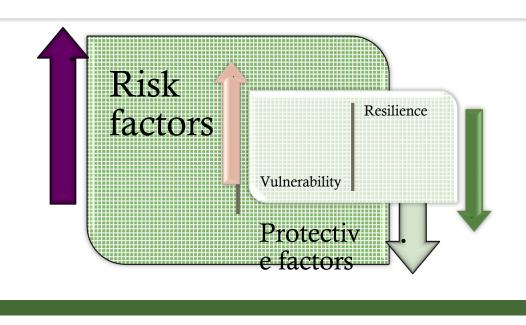
3. Furthermore, a shorter version of tools are required for was defined after deducting emergency room and primary care.

4. Primary objective of this study is to create a brief & valid of risk. State and Trait Risk instrument for decision-making in a short period of time

5. Risk of Suicide is a clinical entity which is multidimensional in origin & 'Absolute' Risk appears when an individual's resilience is compromised. in relation to a number of inherent and environmental factors, making an individual more vulnerable. 6. We examine the merits of a 24-item scale: SIS-MAP-Brief Screener developed from the original 108-item scale. 7. The measurement is called RISK INDEX, which score of protective factors from total score, used for assessment and prediction

interacting in a complex

manner.



We completed an assessment of 79 (Mean age 38.26 years (SD 14.78, Range 19–75) patients out of 95 subjects. These were randomly selected from inpatient and outpatients facilities at RMHC.London, Ontario. Data was analyzed by SAS. 37 patients were male and 42 females 44 inpatient & 35 from outpatient

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Risk arises from a Combination of State and Trait Risk Interacting in a Complex Manner

A New Brief Scale to Assess Suicidality: Scale for Impact of Suicidality-Management, Assessment and Planning of Care - Brief Screener (SIS-MAP-Brief Screener)

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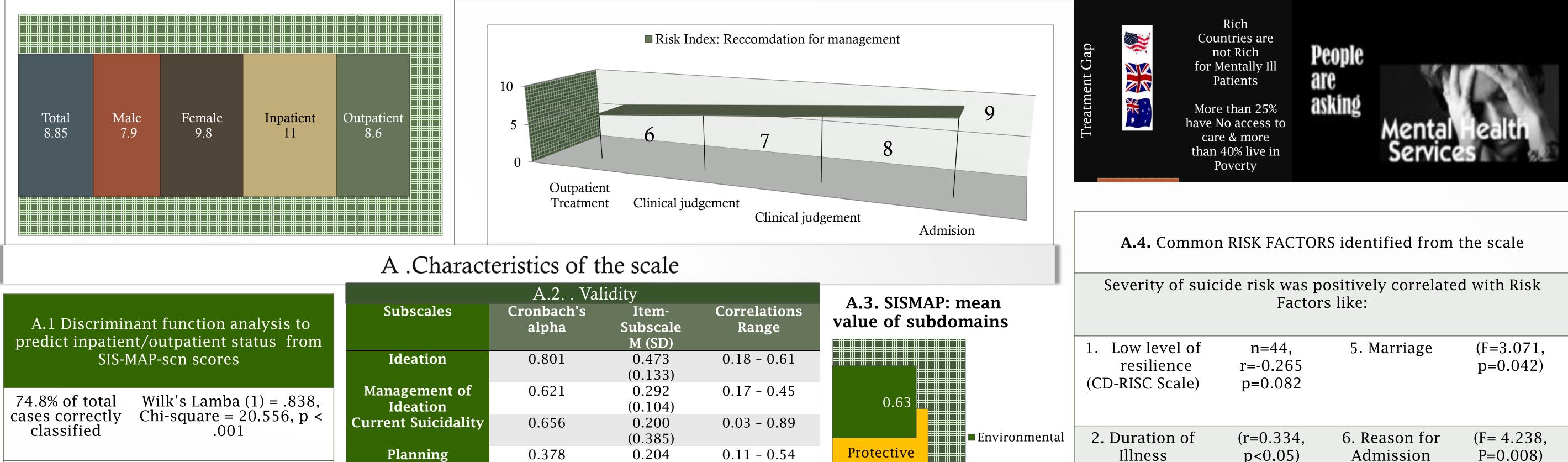
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SIS-MAP Brief Screener ression models predicting total SIS-MAP scores from subscale items Standardized Beta t p-value Overall Model: F(1, 47) = 5.84, p = .02) 2.42 vidual an inpatient ury (Overall Model: F (3, 44) = 16.35, p < .001) ten hurt yourself by cutting 4.09 sing on pills? el you are vulnerable to hurting 2.99 nk you would be better off dead? verall Model: F(3, 44) = 9.71, p < .001)ar losing control and attempting suicide? .40 3.33 2.44 ish to die? .02 control these (ideation) thoughts? 2.25 rall Model: F (3, 43) = 21.34, p < .001) attempted to kill yourself? 6.15 4.86 rrently feel suicidal? 2.10 ll Model: F(1, 43) = 22.39, p < .001)ink you will attempt suicide in the 4.73 Overall Model: F (3, 43) = 8.30, p < .001) drug abuse 1.72 ohol abuse or dependence 3.23 3.10 sexual abuse Overall Model: F(1, 46) = 7.04, p = .01)story of mental illness 2.65 riables were entered into the equation rs (Overall Model: F(3, 40) = 15.73, p < .001) ve good self-esteem (believe you are ile person)? nily practically supportive of your and your recovery? your life's satisfying moments? -.40 -3.28 (Overall Model: F (4, 36) = 10.98, p < .001) idence of a personality disorder or issues .33 2.71 personality? esence of psychosis? 3.44 .39 2.38 a consider client vulnerable due to .29 issues (i.e. no meaning in life)? Would you consider client vulnerable due to a .28 vsfunctional or chaotic home environment? sychosocial/Environmental (Overall Model: F (2, 44) = 8.79, p = .001) .36 2.68 Problems with primary support group

B.1: SISMAP score of RISK INDEX



Percent of cases correctly classified

Actual	Predicted			
	Inpatient	Outpatient		
Inpatient	75.4%	24.6%		
Outpatient	25.9%	74.1%		

A. 5 Top Five Most Frequent Responses:16.When you h about family practically supportive of your problems and your

1. SIS-MAP-Brief Screener appears to be a clinically useful tool for assessment of suicide behaviour for deciding planning for care. 2. Most frequent responses, significant risk factors and Score on Risk Index together can give better idea about risk for suicide, when assessment in required to be

- completed in a short time period.

Problems with access to health care services .29 2.16

B.2: Risk Index & care planning

A.2 Validity			A.3. SISMAP: mean		Severity of suicide risk was positively correlated with Risk Factors like:				
cales	Cronbach's alpha	Item- Subscale M (SD)	Correlations Range		subdomains	1 Low lovel of			(E. 2.071
ation	0.801	0.473 (0.133)	0.18 - 0.61			1. Low level of resilience	n=44, r=-0.265	5. Marriage	(F=3.071, p=0.042)
ement of ation	0.621	0.292 (0.104)	0.17 - 0.45	0.63		(CD-RISC Scale)	p=0.082		
Suicidality	0.656	0.200 (0.385)	0.03 - 0.89		■ Environmental	2. Duration of	(r=0.334,	6. Reason for	(F= 4.238,
ning	0.378	0.204 (0.281)	0.11 - 0.54	Protective 0.27	e Clinical	Illness	p<0.05)	Admission	P=0.008)
bidities	0.600	0.253 (0.155)	0.03 - 0.45		■ Protective	3. Severity of	(r=0.62,	7. History of	(F=5.079,
History	0.695	0.487 (0.166)	0.32 - 0.70		■ Comorbidity	Depressive	p<0.001)	Physical	p=0.031)
ogical	0.251	0.124 (0.134)	0.003 - 0.27	0.45	■ Psychological	Symptoms		Assault	
ective	0.719	0.369 (0.174)	0.007 - 0.61	0.43		4. Severity of	(r=0.413	8. Problem	(F=7.931,
nical	0.503	0.198 (0.263)	0.05 - 0.51			Psychotic Symptoms	p.014)	with friends or neighbor or	p=0.008)
osocial/ nmental	0.679	0.357 (0.111)	0.17 - 0.50	0 0.5	1			relatives	
5.		17.	24.		22.				
u have though rting yourself o leath, can you hose thoughts	or Do you satisfying	savor life's g moments?	Do you find it diffi know where to fin access health ca services?	nd or $D0$	you ever feel like there o meaning or purpose in your life?		Concl	usions	

3. A Score of Risk Index of 9 and more suggests a need for hospitalization. A score of 7 and 8 indicates need of caution in clinical judgement. 4. Future research in this area may find more precise pathways for decision making in management of suicide.



Part B: Examining Clinical Merits of the Scale: Risk Index

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