## rethinking suicide

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## Learning Objectives

- 1. Explain discrepancies in studies examining rates of mental health conditions among suicide decedents.
- 2. Describe the multiple pathways model of suicide
- 3. Identify evidence-based interventions for suicide and self-injury
- 4. Describe the prevention through design model

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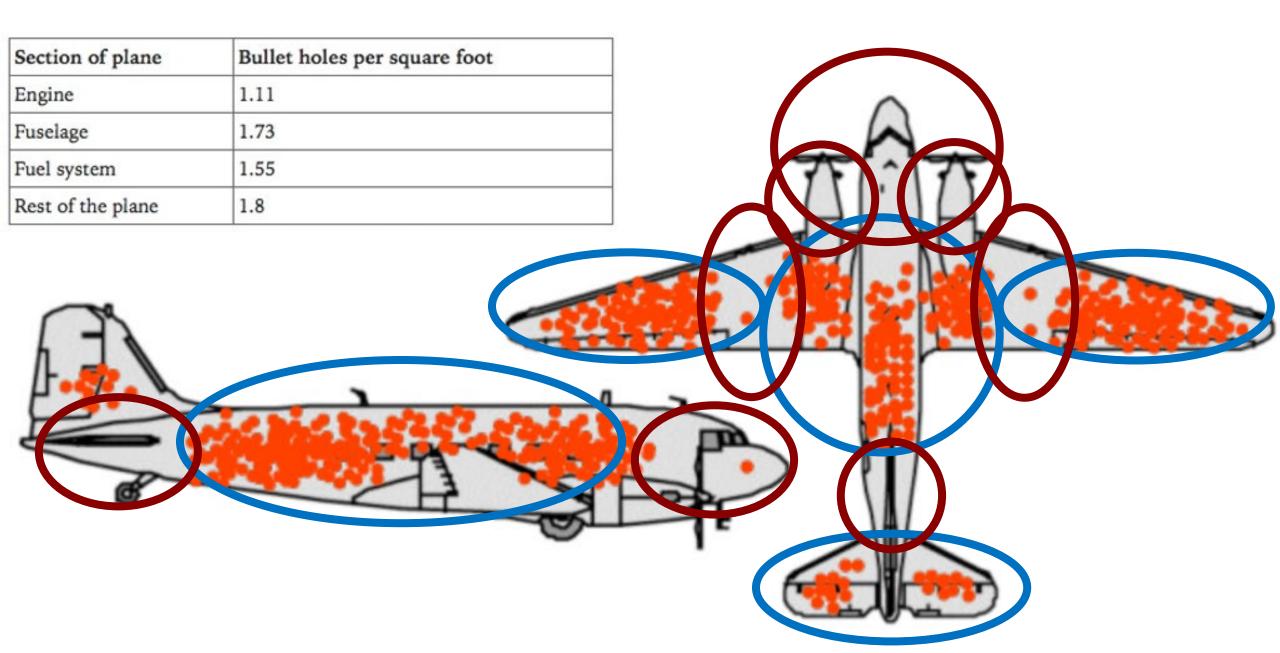
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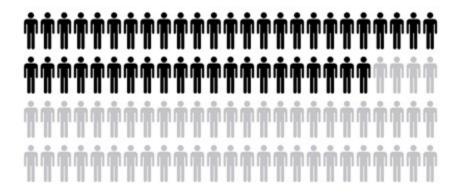
# We need to fundamentally rethink how we approach suicide prevention

#1

Suicide is not (always) caused by mental illness

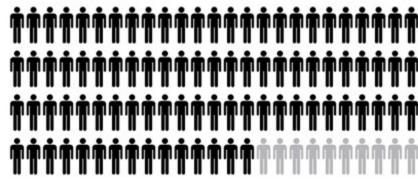
### CDC data:

46% of suicide decedents have known mental health condition



### Psych autopsy studies:

90% of suicide decedents have mental health condition



### Risk Factors for Suicidal Thoughts and Behaviors: A Meta-Analysis of 50 Years of Research

Table 6
Weighted Hazard Ratio and Diagnostic Accuracy Results Across Suicide Attempt and Death Outcomes by Each Broad Risk Factor Category

	Suicide attempt				Suicide death			
Category	n	wHR (95% CI)	n	wAUC (SE)	n	wHR (95% CI)	n	wAUC (SE)
Biology	4	_	14	.61* (.03)	9	1.30 (.99, 1.69)	16	.58 (.05)
Screeners	1	_	1	_		_	3	_
Cognitive problems	_	_	_	_	_	_	1	_
Demographics	19	1.52 (1.26, 1.82)	34	.55* (.02)	126	1.33 (1.23, 1.44)	66	.55* (.02)
Externalizing	37	1.37 (1.24, 1.42)	44	.57* (.02)	49	1.57 (1.32, 1.87)	33	.46 (.07)
Family history	2	_	17	.57* (.02)	2	_	14	.53 (.04)
General Psychopathology	5	1.02 (.90, 1.15)	20	.60* (.03)	10	2.51 (1.49, 4.24)	12	.64 (.07)
Implicit/explicit			1		3			
Internalizing	50	1.17 (1.12, 1.22)	106	.59* (.02)	38	1.71 (1.56, 1.88)	94	.55* (.02)
Normal personality		_		_	_	_	1	_
Physical illness	2	_	4	_	35	1.78 (1.49, 2.12)	12	.61 (.07)
Psychosis	4	_	23	.49 (.05)	2	_	22	.61 (.07)
Prior SITBs	26	1.25 (1.17, 1.34)	52	.61* (.02)	35	2.82 (2.22, 3.60)	42	.59* (.03)
SITB exposure	_	_	1	_	_	_	_	_
Social factors	33	2.10 (1.73, 2.55)	40	.61* (.02)	29	1.17 (.99, 1.38)	25	.66* (.03)
Treatment history	9	2.74 (1.65, 4.55)	15	.51 (.05)	8	2.70 (1.79, 4.08)	17	.67* (.06)

Note. wHR = weighted hazard ratio; wAUC = weighted area under the curve. Confidence intervals for wHRs that did not include 1.0 were statistically significant. As with odds ratio analyses, only analyses that included at least five effect sizes are presented.

\* A statistically significant weighted AUC.

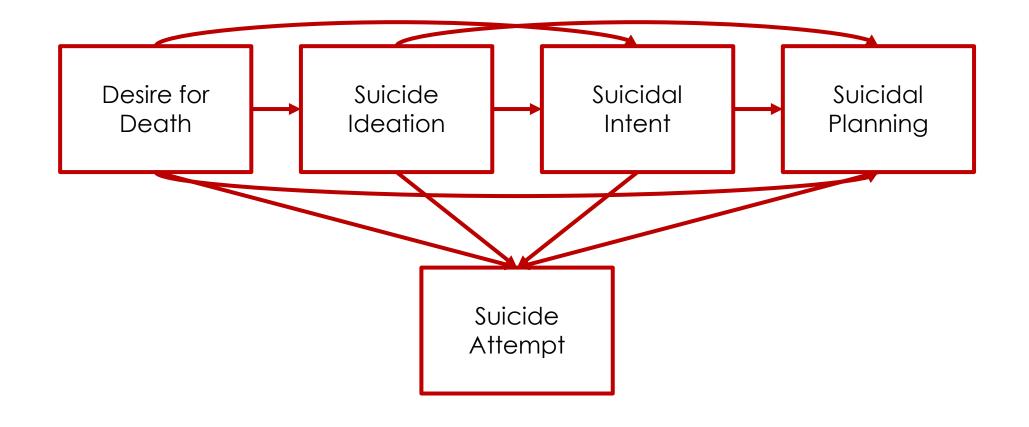
Individuals who attempt suicide are diagnosed with a mental illness All or nearly all suicide decedents have a diagnosable mental illness

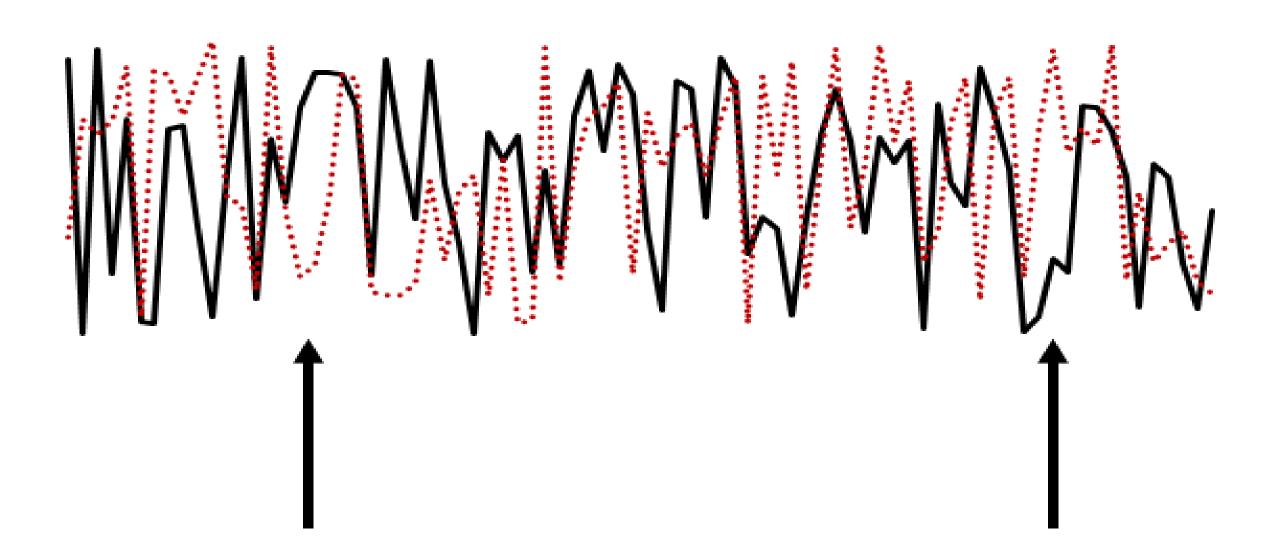
Attempting suicide signals the presence of a mental illness

#2

Suicide is not always preceded by suicidal ideation







# Over 50%

of suicide decedents

deny suicide ideation or do not mention suicidal thoughts
in the time leading up to their deaths

### Suicide Cognitions Scale-Revised (SCS-R)

**Instructions:** The following 16 statements are intended to assess your beliefs about your current problems. Please read each statement carefully and circle the number that best describes how **you feel right now**. Remember to rate each item and circle only one number for each item.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
The world would be better off without me.	0	1	2	3	4
2. I can't stand this pain anymore.	0	1	2	3	4
I've never been successful at anything	0	1	2	3	4
4. I can't tolerate being this upset any longer.	0	1	2	3	4
5. I can never be forgiven for the mistakes I have made.	0	1	2	3	4
6. No one can help solve my problems.	0	1	2	3	4
7. It is unbearable when I get this upset.	0	1	2	3	4
8. I am completely unworthy of love.	0	1	2	3	4
Nothing can help solve my problems.	0	1	2	3	4
10. It is impossible to describe how badly I feel.	0	1	2	3	4
11. I can't cope with my problems any longer.	0	1	2	3	4
12. I can't imagine anyone being able to withstand this kind of pain.	0	1	2	3	4
13. There is nothing redeeming about me.	0	1	2	3	4
14. I don't deserve to live another moment.	0	1	2	3	4
15. I would rather die now than feel this unbearable pain.	0	1	2	3	4
16. No one is as loathsome as me.	0	1	2	3	4

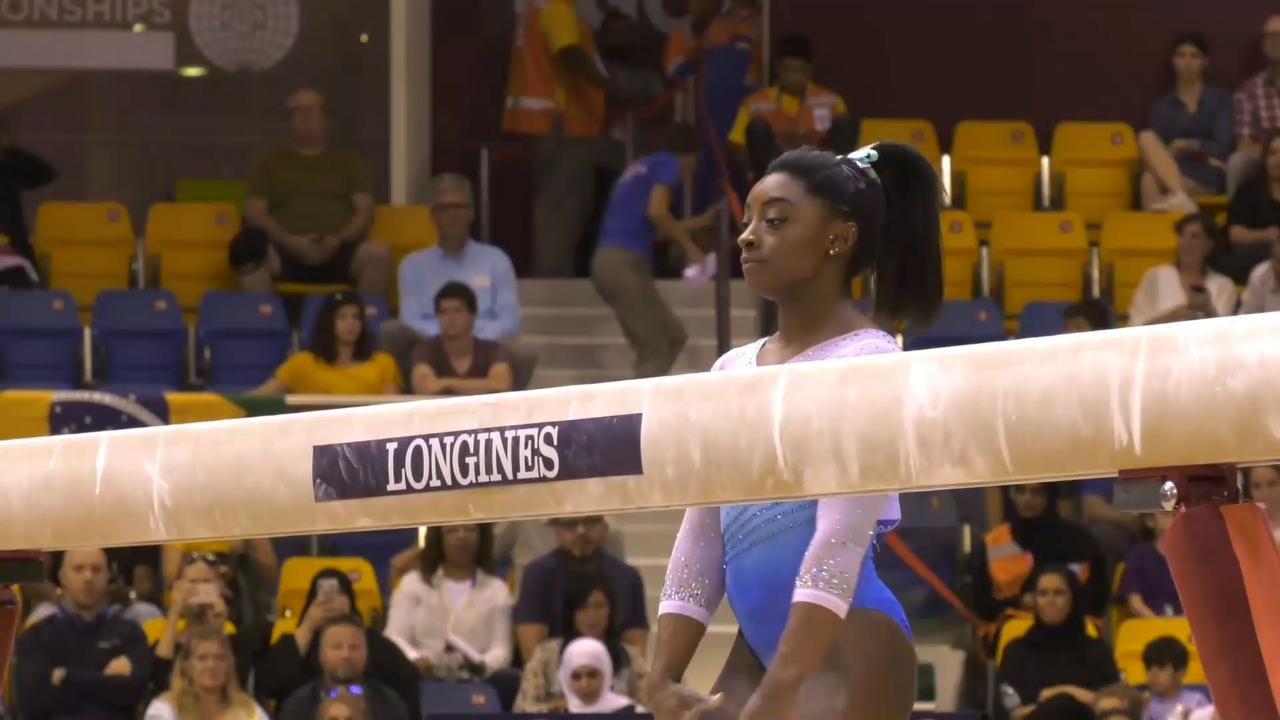
### **SCS** Research Findings

- Distinguishes outpatients with history of attempts vs. history of ideation and history of NSSI
- Prospectively predicts suicide attempts as well as/better than SI
- Among patients denying SI or thoughts of death, identifies those who will subsequently attempt suicide
- Among patients endorsing SI, distinguishes those who will attempt suicide from those who will not

Bryan et al. (2014); Bryan et al. (2016); Bryan et al. (2020); Rudd & Bryan (2021)

#3

Suicide is not always preceded by observable or actionable warning signs





(Image Credit: USA Gymnastics, <a href="https://www.youtube.com/watch?v=-YNxLz1pd-0">https://www.youtube.com/watch?v=-YNxLz1pd-0</a>)



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#4

Some treatments are better than others, but only when used properly



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## Interventions for Suicide and Self-Injury: A Meta-Analysis of Randomized Controlled Trials Across Nearly 50 Years of Research

Specific intervention type					
Medication only	816	0.94 [0.90, 0.99]			
CT/CBT	52	0.81 [0.70, 0.93]			
Eclectic psychotherapy	21	0.93 [0.78, 1.10]			
DBT	29	0.98 [0.83, 1.17]			
Psychotherapy and medication combined	80	0.80 [0.69, 0.92]			
Checking-in programs	29	0.87 [0.75, 1.00]			
Psychoanalysis/insight-based therapy	5	0.84 [0.63, 1.13]			
Problem solving therapy	6	0.66 [0.45, 0.97]			
Safety planning/means safety	3ª	_			
Inpatient hospitalization	$0^{a}$	_			
Other	145	0.94 [0.89, 1.00]			

	SAF	ETY PL	AN	
Step	1: Warning signs:			
1.	Suicidal thoughts and feeling worthless and he	opeless		_
2.	_Urges to drink			_
3.	_Intense arguing with girlfriend			_
Step	2: Internal coping strategies - Things I car	do to dis	stract myself	without contacting anyone:
1.	Play the guitar	1500	10000	
2.	Watch sports on television	-7%		
3.	_Work out			
Step	3: Social situations and people that can he	elp to dist	tract me:	
1.	_AA Meeting			_
2.	Joe Smith (cousin)	125 175		
3.	Local Coffee Shop			
Step	4: People who I can ask for help:			
1.	Name_Mother	Phone _	333-8666	_
2.	Name_AA Sponsor_(Frank)	Phone_	333-7215	
Step	5: Professionals or agencies I can contact	during a	crisis:	
1.	Clinician Name Dr John Jones	Phone_	333-7000	
	Clinician Pager or Emergency Contact # 555	822-9999		
2.	Clinician Name	Phone		<del></del>
	Clinician Pager or Emergency Contact #			
3.	Local Hospital EDCity Hospital Center			
	Local Hospital ED Address_222 Main St			
	Local Hospital ED Phone 333-9000			
4.	Suicide Prevention Lifeline Phone: 1-800-273-7	ALK		
Maki	ng the environment safe:			
1.	Keep only a small amount of pills in home	76 58		
2.	Don't keep alcohol in home			
3.				

	awould others
Narning Signs: pading	"What's the point?"
feeling or withhole	Not wanting to get out of bed
feeling irritable	
thinking it il never get better	get a cup of coffee
get better"	listen to cheze music
as for a well 10 miles	spend time with my dog
go for a walk 10 mins	text michelle
watch Friends episodes	think about Kids
play with my dog	
, ,	Call my therapist 555-5555
think about my kids - vacation to beach in Florida	
	call the crisis line
- Christmas Day 2012	press #1 for Veterans
call/text my Mom	call 911
or Jennifer	go to hospital
call Dr. Brown: 555-555-5555	
- leave msa of name, time,	
1-800-273-TALK	
go to hospital Ocrying	Dwanting to hit things
a link arous (ii)	argument W wife
call 911 @ getting angry (4	arganen process
@ videsgames	5 photography
@woodwork in garage	
3 go forwalk	(6) writing
- 4	(1) games on phone
1 breathing 10 mins	(8) listen to music (uplifting)
6) talk to Bill	
@ Dr. Smith : 555-555-	ceel vaicemail)
	•
( Hotline: 1-800-273	3-8255
(3) Hospital or 911	

## Structure of BCBT

### Phase I

**Emotion Regulation** 

#### Session 1

Intake
Narrative Risk Assessment
Crisis Response Plan
Means Safety Counseling

### Sessions 2-5

Treatment Plan
Sleep Disturbance
Relaxation / Mindfulness
Reasons for Living
Survival Kit

### Phase II

Cognitive Flexibility

### Sessions 6-10

ABC Worksheets
Challenging Questions
Patterns of Problem Thinking
Activity Planning
Coping Cards

### Phase III

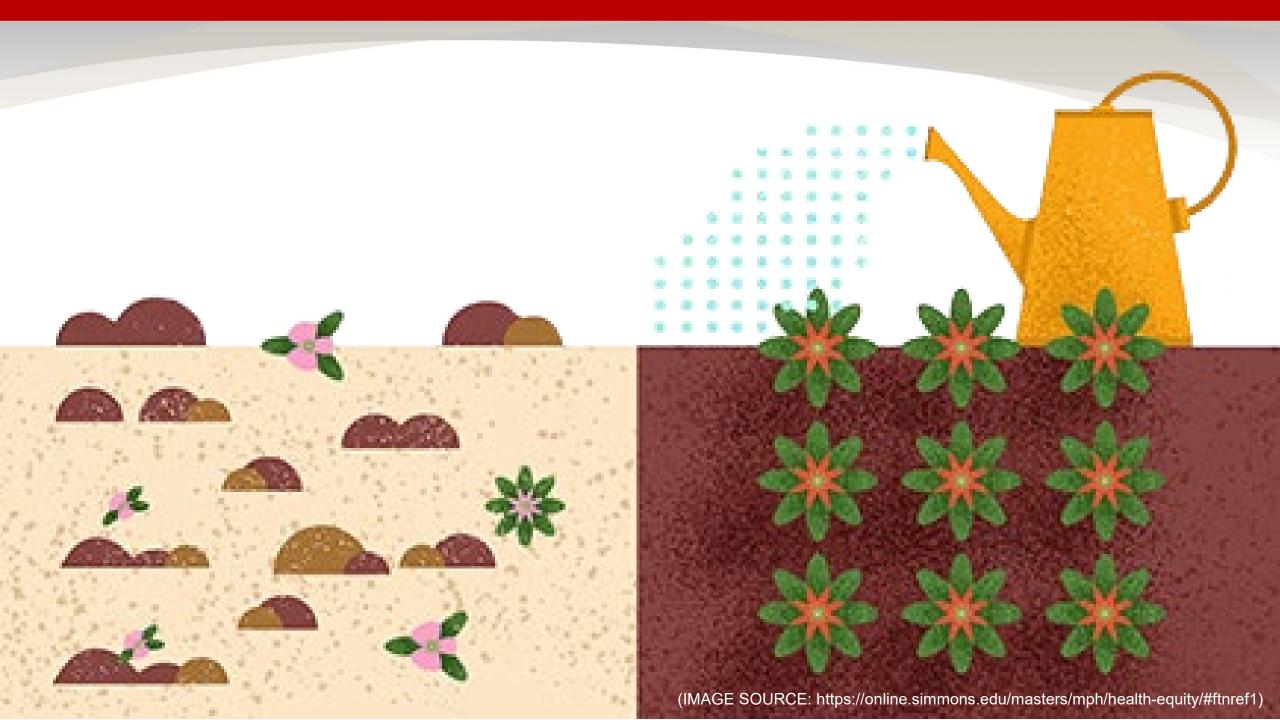
Relapse Prevention

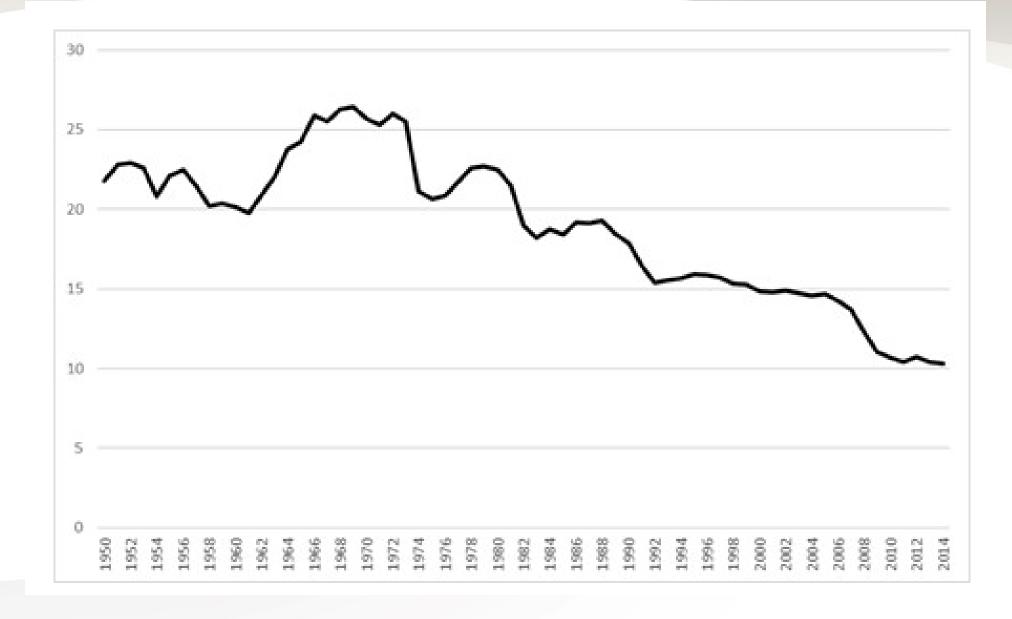
#### Sessions 11-12

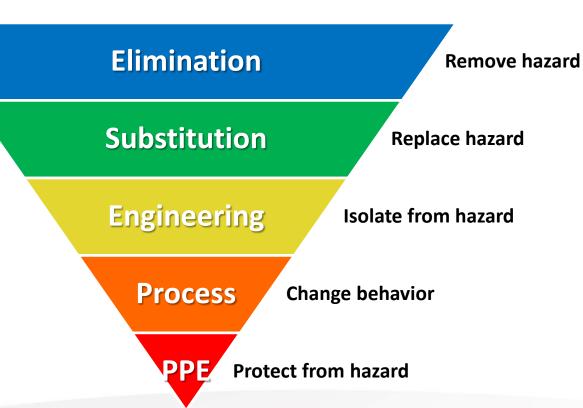
Relapse Prevention Task

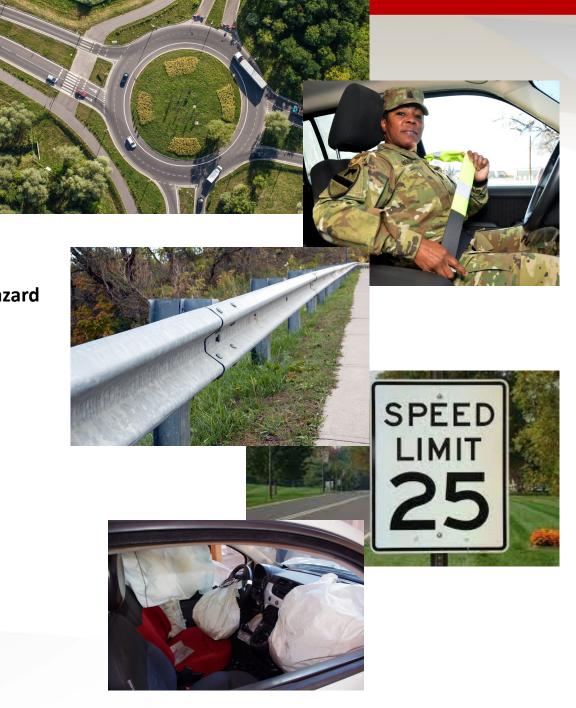
#5

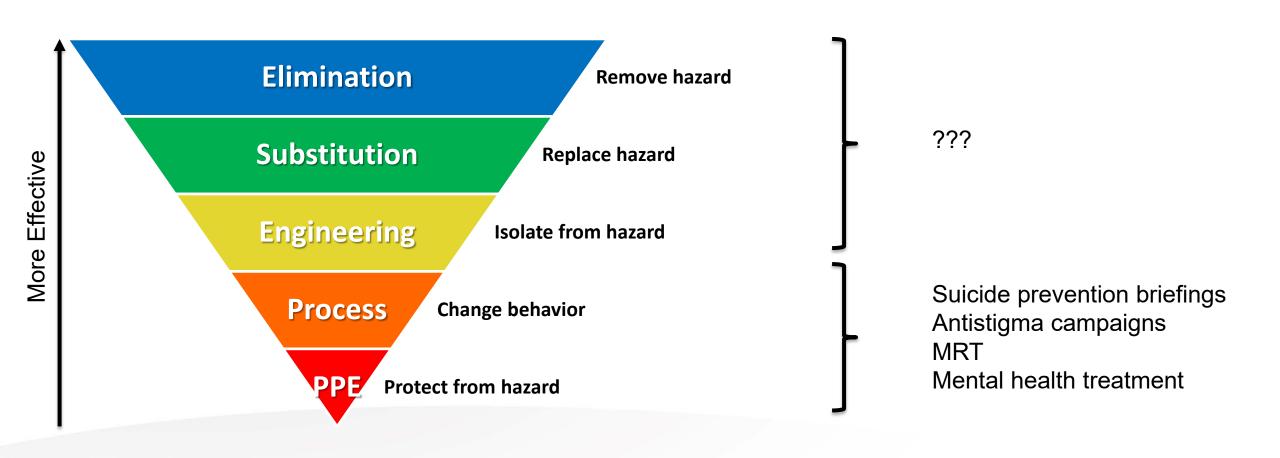
Creating lives worth living

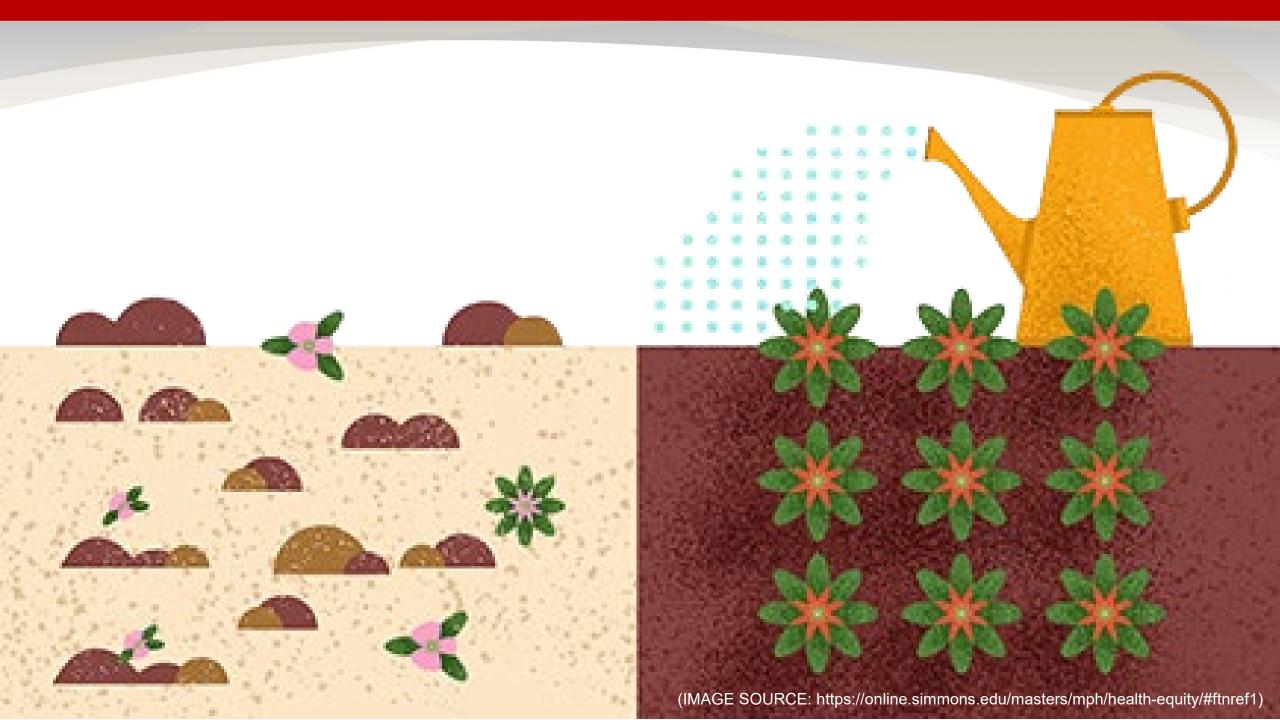




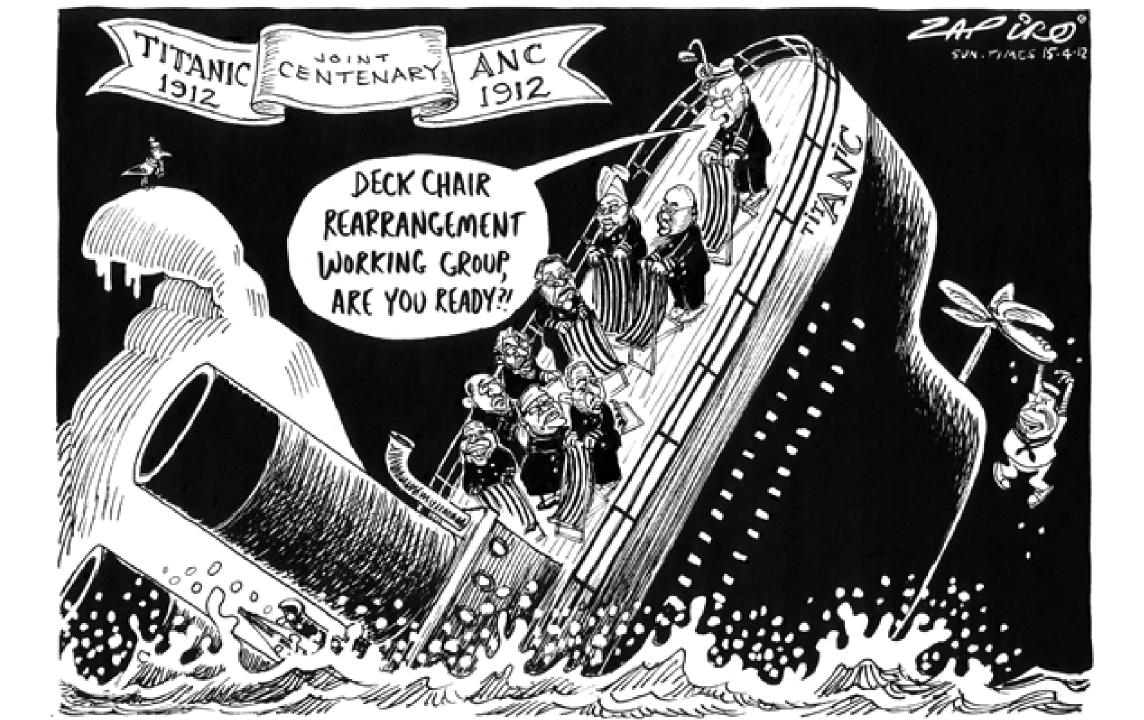








Final Thoughts



## The Future of Suicide Prevention?

 Reduce reliance on suicide risk screening and assessment methods that depend on selfdisclosure of suicidal thoughts or behaviors and/or static cutoff scores

 Thinking about <u>what</u> strategies, delivered <u>by</u> <u>whom</u>, work <u>for whom</u> under <u>which</u> circumstances

 Create opportunities to deliver better treatments with high fidelity

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