

Suicide Assessment and Prevention in Early Psychosis

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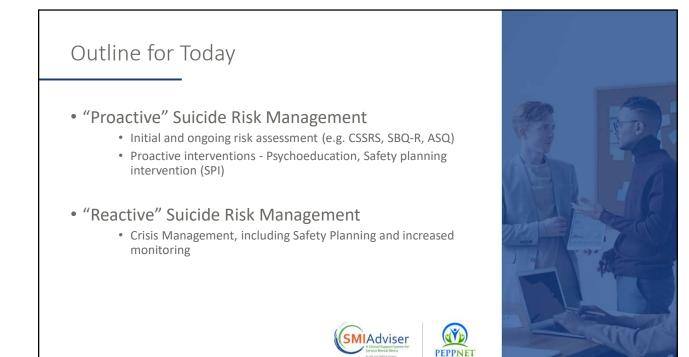
LEARNING OBJECTIVES

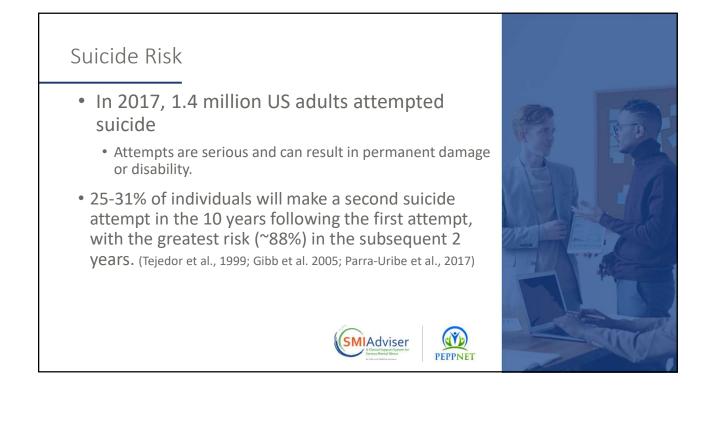
- 1. Participants will learn to systematically assess suicide risk through conducting the CRSS
- 2. Participants will identify at least 5 risk and protective factors related to suicidal ideation and behaviors.
- 3. Participants will be able to conduct an SPI-- an evidence based approach to managing suicide risk

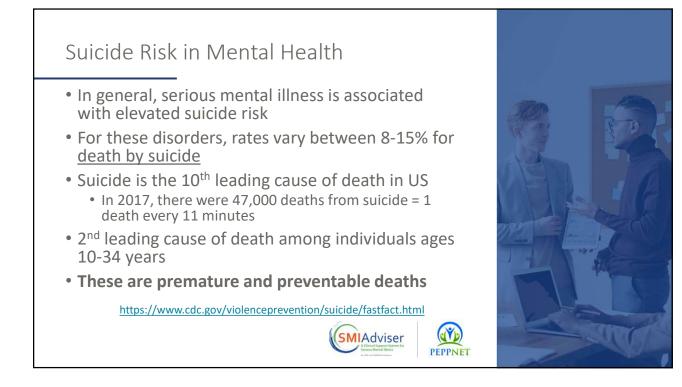


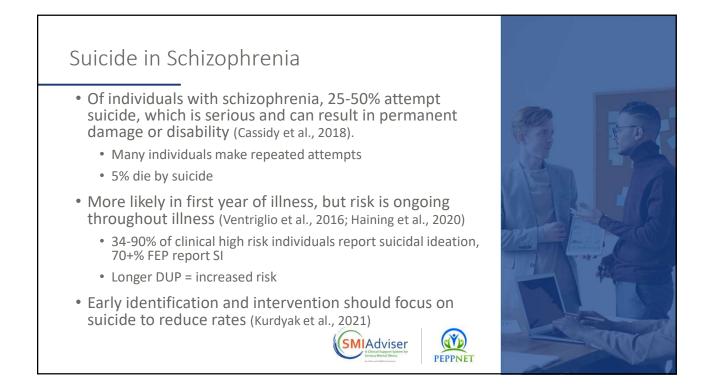












Challenges of Suicide Assessment

- Risk is determined by a variety of factors: biological, psychological, familial, environmental, cultural...
 - Hard to determine which key factors you need to assess
- Risk is not always predictive of behavior
 - Many people have "thoughts" of suicide, but many never attempt
- While most people who make attempts or die by suicide have discussed their suicidal thoughts, most do not tell anyone *right before they act*.





Key Points in Conducting a Risk Assessment

- Not based on any one risk factor (or set of risk factors)
- Risk and protective factors are assessed together to provide an overall picture
- · Identifies factors that are modifiable with intervention
- Identifies and distinguishes between Acute/Proximal risk factors and warning signs from the ongoing, Chronic/Distal risk factors
- Guides treatment decisions
- In an ongoing care situation, risk assessment is not a single event; it must be evaluated over time → risk fluctuates
- Risk assessment supports, does not replace, clinician decisionmaking





Types of Risk Factors Proximal vs. Distal vs. Warning Signs

- Distal (chronic, background) risk factors
 - · Lifetime general characteristics or ongoing factors that are known to be associated with an elevated longer term risk for suicide; they exist in the individual's background
 - · Examples:
 - Male
 - Suicide attempt 10 years ago;
 - · Family history of suicide

Distal/Background Variables

- Demographics
- Aggression/ Impulsivity
- Cognitive Inflexibility & Poor Decision making
- Head Injury
- Genetics Stress sensitivity
- Low Serotonergic Function
- Premorbid Social Adjustment
- Family History of suicide
- Childhood Abuse/Trauma
- Early Loss
- Chronic Physical/Mental Illness
- Prior suicide attempts





Types of Risk Factors Proximal vs. Distal vs. Warning Signs

Proximal (acute) risk factors

- Recent events or exacerbations of ongoing characteristics that can indicate increasing or more imminent risk
- Example:
 - Suicide attempt within the last 3 months
 - Current major depressive episode

Proximal Variables

- Acute Psychiatric Episode (e.g., MDE, Psychosis)
- Acute Medical Illness
- Stressful Life Event
- Poor social support / Family conflict
- Acute Substance Use
 - Access to Means





Types of Risk Factors Proximal vs. Distal vs. Warning Signs

• Warning Signs (most acute risk factors)

• Events or behaviors that precede a spike in suicide risk in a *particular individual*, according to individual's history; time frames varies from individual to individual, from minutes to days

• Examples:

- Active, escalating suicidal ideation that is similar to the type of ideation present directly preceding a previous suicide attempt;
- Recent increase in substance use
- Recent loss or interpersonal conflict (e.g. job loss, divorce, removal of children)





Warning Signs

Behavior

- Increased use of alcohol or drugs.
- Acting recklessly.
- Isolating and withdrawing from activities.
- Change in sleep, appetite, energy level.
- Visiting or calling people to say goodbye.
- Giving away prized possessions.
- Aggression or agitation.
- Discomfort due to psychosis/psychiatric symptoms.
- Discomfort due to medication side effects.

Things they Say:

- Killing themselves
- Having no reason to live
- Being a burden to others
- Feeling trapped
- Unbearable pain
- Hopelessness

Mood:

- Depression, despair
- Loss of interest
- Rage
- Irritability
- Humiliation
- Anxiety

Other Considerations

- More males than females die by suicide
 - Females with psychosis at higher risk than general population OR other risk groups
- Sexual minority youth have higher risk than nonminority youth
- Highest risk in non-Hispanic American Indian/Alaska Native and non-Hispanic White populations
- Certain occupations associated with higher risk: veterans/military, construction, arts/design, entertainment/food, sports and media





Other Considerations Unemployment or lack of meaningful regular activities associated with higher risk Single individuals die by suicide more than those in relationships Poor social functioning and lack of social support are risk factors Risk higher when individuals are 1) bothered by their psychosis or 2) have psychotic symptoms compelling them (ie. command hallucinations, thought insertion) Risk higher 3-6 mths post-hospitalization (esp. if not returning home)

Potential Protective Factors

- Have access to mental health treatment
- Positive attitude towards mental health treatment
- Feeling connected with others
- Effective problem solving skills
- Accepting and supportive social environment
- Reasons for living
- Limited access to lethal means







		s should be conducted at first contac nts, prior to increasing privileges and		ior, increased ideation, or pertinent clinical	
	RISK FACTOR				
	 Current/pasi Cluster B per Co-morbidity Key symptor Family histo Precipitants health status physical or si 	t psychiatrić disorders: especially n sonality disorders, conduct disorder y and recent onset of illness increas ms: anhedonia, impulsivity, hopeless ry: of suicide, attempts or Axis 1 psy Stressors/Interpersonal: triggering real or anticipated). Ongoing med exual abuse. Social isolation. eatment: discharge from psychiatric	s (antisocial behavior, aggression, imp e risk mess, anxiety/panic, insomnia, comm ychiatric disorders requiring hospitaliz e vents leading to humiliation, shame	Icohol/substance abuse, ADHD, TBI, PTSD, pulsivity). and hallucinations zation • or despair (e.g., loss of relationship, financial Intoxication. Family turmoil/chaos. History of	or
,	 Internal: abi 	lity to cope with stress, religious be	en if present, may not counteract sign Niefs, frustration tolerance ets, positive therapeutic relationships		
	 Ideation: fre Plan: timing, Behaviors: p Intent: exter Explore ambi For Youths: ask p Homicide Inquiry 	location, lethality, availability, pre- sat attempts, aborted attempts, rel to which the patient (1) expects t ivalence: reasons to die vs. reasons arrent/guardian about evidence of suicid c when indicated, esp. in character disor	48 hours, past month and worst ever paratory acts hearsals (tying noose, loading gun), vs to carry out the plan and (2) believes to live	non-suicidal self injurious actions the plan/act to be lethal vs. self-injurious; per in mood, behaviors or disposition or humiliation. Inquire in four areas listed above.	
		INTERVENTION			
		of risk level is based on clinical judg patient or environmental circumstan			
	RISK LEVEL	RISK / PROTECTIVE FACTOR	SUICIDALITY	POSSIBLE INTERVENTIONS	
	High	Psychiatric disorders with severe symptoms, or acute precipitating event; protective factors not relevant	Potentially lethal suicide attempt or persistent ideation with strong intent or suicide rehearsal	Admission generally indicated unless a significant change reduces risk. Suicide precautions	
	Moderate	Multiple risk factors, few protective factors	Suicidal ideation with plan, but no intent or behavior	Admission may be necessary depending on risk factors. Develop crisis plan. Give emergency/crisis numbers	
	Low	Modifiable risk factors, strong protective factors	Thoughts of death, no plan, intent or behavior	Outpatient referral, symptom reduction. Give emergency/crisis numbers	
1	0	(This c	hart is intended to represent a range of ris	k levels and interventions, not actual determinations.)	
c		nificant others, consultation); firear		.g., setting, medication, psychotherapy, E.C.T., plan. For youths, treatment plan should include	



Suicide Risk Assessment The Problem...

- Lack of conceptual clarity about suicidal behavior
 → corresponds to lack of well-defined
 terminology
- Same behaviors are called a variety of things
 - E.g. threat, gesture
- Often negative and based on incorrect notions about seriousness and lethality of methods
 - E.g. manipulative, non-serious, passive







Sources of Information

- Use any source of information that informs your clinical judgment and gets you the most clinically meaningful response
- Typically the client can provide best info about suicidal intent and thoughts, BUT also can be helpful to get collateral info (records, family, spouse, etc)
 - Client may refuse to talk about the event







Timeframes: Lifetime (at Baseline)

- Ideation and Intensity of Ideation examine time he/she was <u>feeling MOST suicidal EVER</u> – not the "average" across life
 - "The time in your life when you were feeling the most suicidal, did you wish you were dead, have thoughts of actually killing yourself, etc..."
- Behavior is "ever"
 - Capture all lifetime occurrences, e.g. total number of attempts (may have accompanying ideation)



Suicidal Ideation	
1. Wish to die:	
<i>"Have you wished you were dead or wished you could go to sleep and not wake up?"</i>	
2. Active thoughts of killing oneself:	
"Have you actually had thoughts of killing yourself?"	
** If "NO" to both of these questions, you are finished with Suicidal Ideation section.**	
** If "YES" to #1 OR #2, then continue with Suicidal Ideation and then Intensity of Ideation sections**	
	The second

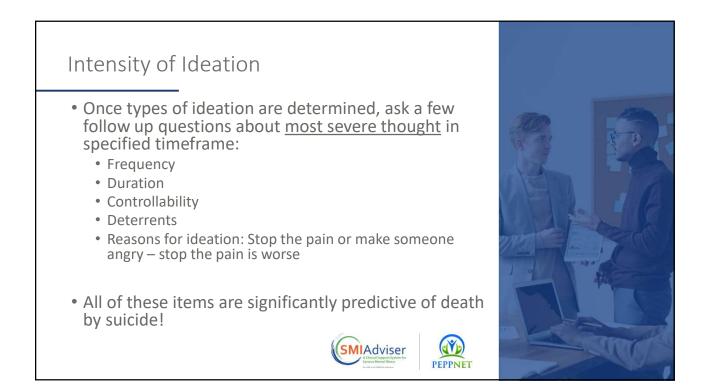
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Suicidal Ideation		
DACTUNE, Ash shout UEFTINAF and D		
BASELINE: Ask about LIFETIME and P	PAST MONTH	
 Wish to be Dead - Subject endorses thoughts about a wish to be dead or not alive anymore, Have you (EVER/IN THE PAST MONTH) wished you were dead or wished you could go to sleep 		
LIFETIME PAST MONTH	LIFETIME	PAST MONTH
	Yes	Yes
 <u>Non-Specific Active Suicidal Thoughts</u> - General, non-specific thoughts of wanting to end on myself") without thoughts of ways to kill oneself/associated methods, intent, or plan. <u>Have you (EVER/IN THE PAST MONTH) actually had any thoughts of killing yourself? If yes</u>, d 		
LIFETIME PAST MONTH	LIFETIME	PAST MONTH
	□ Yes	D Yes
	□ No	🗆 No
# IF YES to CSSRS #1 OR #2, Continue in this section. IF NO T	TO BOTH. Go to Suicidal Behavio	or.



self but not a specific plan). Includes pers how I would actually do itand I would	his is different than a specific plan with time, place or method detail on who would say, "I thought about taking an overdose but I never never go through with it". been thinking about how you might do this? If yes, describe:		
LIFETIME	PAST MONTH	LIFETIME	PAST MONTH
		□ Yes □ No	□ Yes □ No
intent to act on such thoughts, as oppose	tent to Act, without Specific Plan – Active suicidal thoughts of killing ad to "I have the thoughts but I definitely will not do anything about ad these thoughts and had some intention of acting on them? If ye	them".	ng <u>some</u>
LIFETIME	PAST MONTH	LIFETIME	PAST MONTH
		□ Yes □ No	□ Yes □ No
some intent to carry it out	Plan and Intent - Thoughts of killing oneself with details of plan fully tarted to work out or worked out the details of how to kill yourself	and the second second second second	
LIFETIME	PAST MONTH	LIFETIME	PAST MONTH
		□ Yes □ No	□ Yes □ No
		8	5

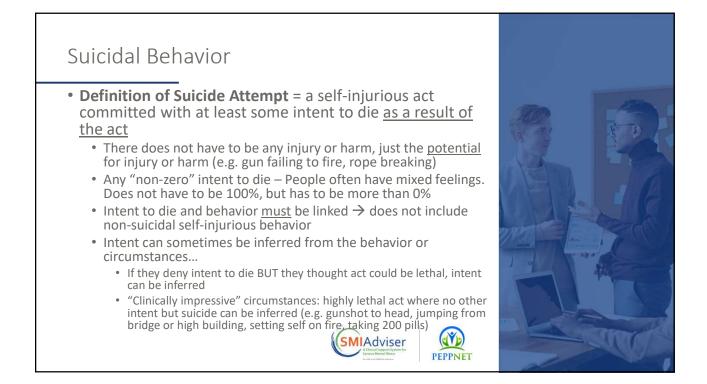


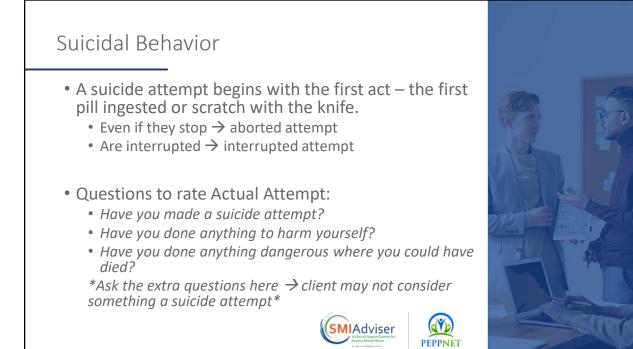
Clinical Monitoring Guidance

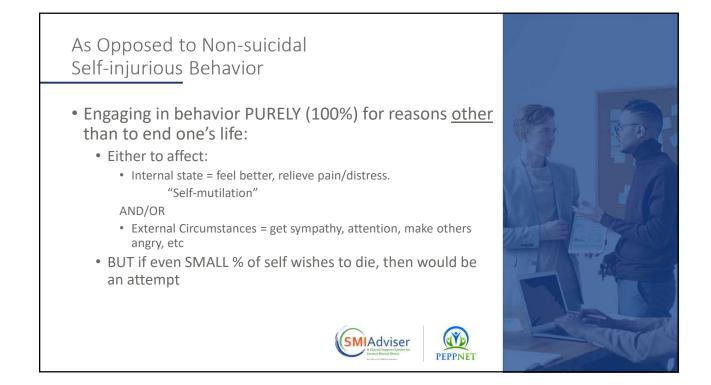
- For Intensity of Ideation, risk is greater when:
 - Thoughts are more frequent
 - Thoughts are of longer duration
 - Thoughts are less controllable
 - Have fewer deterrents to acting on thoughts
 - Stopping the pain is the reason
- Score of 4 (Some Intent) or 5 (Intent with Plan) \rightarrow Indicates need for intervention











Suicidal Behavior

- Important to ask the follow up "why?" questions in the Actual Attempt section!
 - Don't just infer, ask them WHY they did it.
- Client may have multiple suicidal events that you need to assess
- May also have self-injurious behavior AND suicidal behavior
 - Need to ask "why" for each event → some may have intent (actual attempts) while other did not





	least some wish to die, as a result of act. Behavior was in part thought of as a me e to die associated with the act, then it can be considered an actual suicide attem		
any injury or harm, just the potential for injury or	r harm. If the person pulls trigger while gun is in mouth but gun is broken so no i	njury results, this is	considered
an attempt.			
	t/wish to die, it may be inferred clinically from the behavior or circumstances. For		
the second s	out suicide can be inferred (e.g. gunshot to head, jumping from window of a high	floor/story). Also, i	t someone
denies intent to die, but they thought that what the *Have you (EVER/IN THE PAST MONTH) made a s			
*Have you (EVER/IN THE PAST MONTH) made a s			
*Have you (EVER/IN THE PAST MONTH) done any			
What did you do?	y angerous where you could be alea?		
Did you as a way to end your life?			
Did you want to die (even a little) when you			
Management and the second seco	_2 May help you infer intent		
Were you trying to end your life when you			
Or did you think it was possible you could have di	lied from?		
Or did you think it was possible you could have di Or did you do it purely for other reasons/without	lied from? t ANY intention of killing yourself (like to relieve stress, feel better, get sympati	y, or get something	g else to
Or did you think it was possible you could have di Or did you do it purely for other reasons/without happen)? (Self-injurious behavior without suicidal	lied from? t ANY intention of killing yourself (like to relieve stress, feel better, get sympati	ıy, or get something	g else to
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Or did you think it was possible you could have di Or did you do it purely for other reasons/without happen? (Self-injurious behavior without suicidal If yes, describe:	iled from?	LIFETIME Yes - No -	PAST MONTH Yes D No D
Or did you think it was possible you could have di Or did you do it purely for other reasons/without happen? (Self-injurious behavior without suicidal If yes, describe:	lied from? K	LIFETIME Yes 🗆	PAST MONTH Yes 🗆
Or did you think it was possible you could have di Or did you do it purely for other reasons/without happen? (Self-injurious behavior without suicidal If yes, describe:	Ided from? ? t ANY intention of killing yourself (like to relieve stress, feel better, get sympath lintent) PAST MONTH Ensures that you assessed all	LIFETIME Yes D No D Total # of Attempts	PAST MONTH Yes D No D Total # of
Or did you think it was possible you could have di Or did you do it purely for other reasons/without happen? (Self-injurious behavior without suicidal If yes, describe:	Ided from? LANY intention of killing yourself (like to relieve stress, feel better, get sympath lintent) PAST MONTH Ensures that you assessed all possibilities and determined what	LIFETIME Yes D No D Total # of Attempts	PAST MONTH Yes D No D Total # of
Or did you think it was possible you could have di Or did you do it purely for other reasons/without happen? (Self-injurious behavior without suicidal If yes, describe:	Ided from? ? t ANY intention of killing yourself (like to relieve stress, feel better, get sympath lintent) PAST MONTH Ensures that you assessed all	LIFETIME Yes D No D Total # of Attempts	PAST MONTH Yes D No D Total # of
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C-SSRS Suicidal Behavior Levels

• <u>3 Types of Attempts</u>:

Actual Attempt

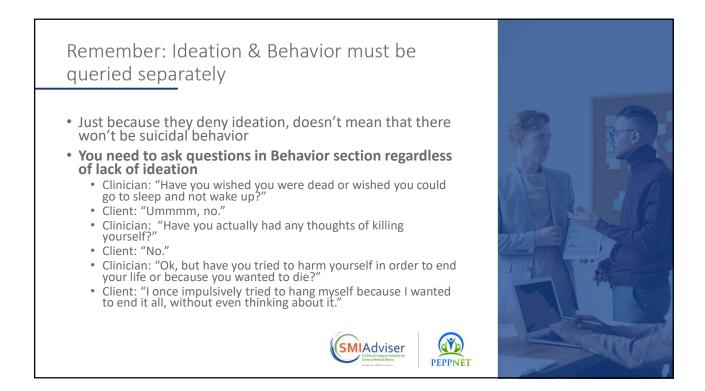
- A self-injurious act committed with at least some intent to die
- Interrupted Attempt:
 - Person starts to take steps to end their life BUT someone or something stops them → <u>Hasn't acted yet</u> (actual attempt)
- Aborted Attempt
 - Person starts to take steps to end their life BUT <u>stops themselves</u> before they have engaged in any self-destructive behavior (Has not started to act)

• Preparatory Acts or Behavior

 Any <u>other</u> behavior (beyond saying something) with suicidal intent

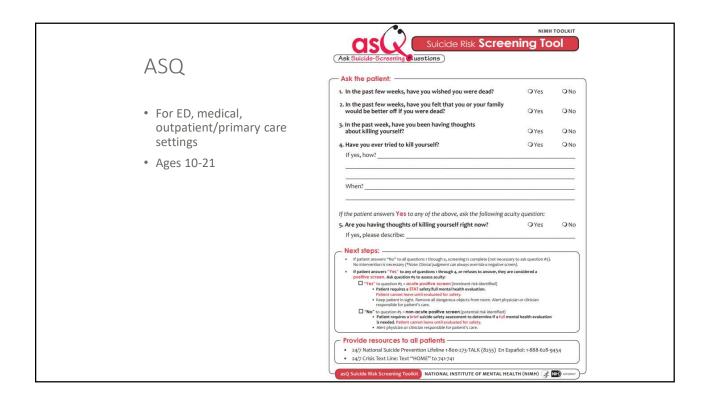


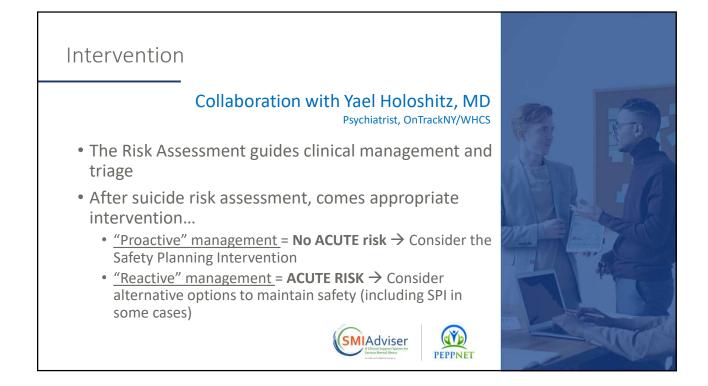




Suicide Behavior Questionnaire- Revised	SBQ-R Suicide Behaviors Questionnaire-Revised Patient Name Date of Visit Instructions: Please check the number beside the statement or phrase that best applies to you.
 Ages 13-18 Osman A, Bagge CL, Gutierrez PM, Konick LC, Kopper BA, Barrios FX. (2001).The Suicidal Behaviors Questionnaire-Revised (SBQ-R): validation with clinical and nonclinical samples. Assessment. 8(4):443-54. 	1. Have you ever thought about or attempted to kill yourself? (steak one only) 1. Never 2. It was just a brief passing thought 3a. Thave had a plan at least once to kill myself but did not try to do it b. Thave had a plan at least once to kill myself and really wanted to die 4a. I have attempted to kill myself, and really hoped to die 1. Never 2. Row often have you thought about killing yourself in the past year? (steek one only) 1. Never 2. Rarely (1 time) 3. Sometimes (2 times) 4. Often (3-4 times) 5. Very Often (5 or more times) 1. No 1. No 2. A try our end to olt? (inteck one only) 1. No 3. Yes, more than once, but did not really wante to die 3. Yes, more than once, and really wanted to do it 3. Yes, more than once, and really wanted to do it 3. Never 4. Likely 0. Never 4. Likely 1. No chance at all 5. Rather likely 2. Rather unlikely 5. Rather likely

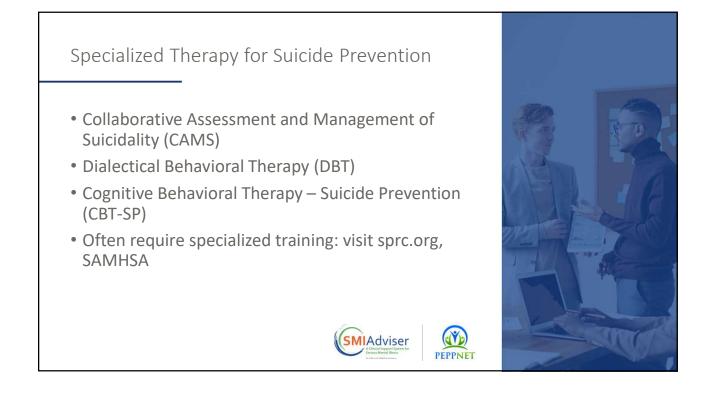
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What is the Safety Plan Intervention (SPI)?

- SPI is a clinical intervention that results in development of a one-page document to use when a suicidal crisis is emerging.
- Suicide risk fluctuates over time and SPI is a plan for managing and decreasing suicidal feelings and for staying safe when these feelings emerge
 - Remember, most attempts are IMPULSIVE!
- The individual at risk completes the SPI with the help of a clinician.
- Can be done in one brief session and refined over time.



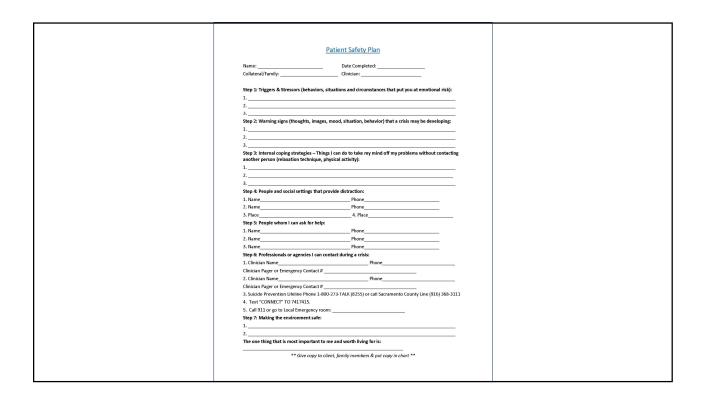


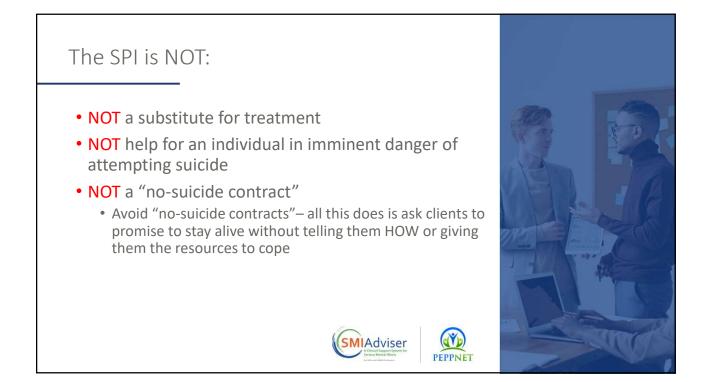
Theoretical Foundation of SPI

- Problem solving capacity diminishes during crisis → so repeated review and over-practice with a specific template can help coping when client is in distress.
 - Parallel to STOP-DROP-ROLL for fire safety.
- Clinician and suicidal individual collaborate to determine cognitive and behavioral strategies to use during suicidal crises
 - Step-wise increase in level of intervention: Starts "within self" and builds to seeking help in the psychiatric emergency room
 - HOWEVER individual can advance in steps without "completing" previous step...









SPI: When to use

- Consider using for "crisis prevention" in addition to suicide prevention; <u>consider for all clients</u> <u>beginning treatment</u>
- For anyone with positive screen on C-SSRS
- Annual or semi-annual revision
- Whenever an event has occurred (hospitalization, suicide attempt, emergency room visit)







"Reactive" Risk Management

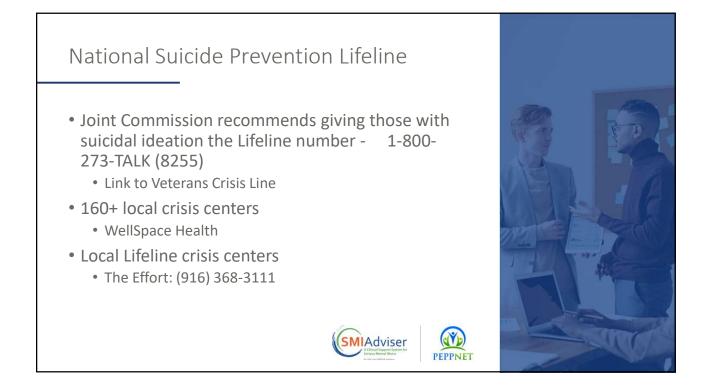
- Individual is at ACUTE RISK based on:
 - Risk Assessment = increased ideation, intent, behaviors
 - Increased psychosis symptoms
 - Unable to engage in safety skills
 - Lack of family/collateral support
 - Not able/willing to engage in treatment
- Hospitalization or crisis treatment is necessary
 - Know the hospitalization protocol in your clinic!





SAMHSA funded training resources Suicide Prevention Resource Center, <u>www.sprc.org</u> Assessing and Managing Suicide Risk (AMSR) SAFE-T Card and SuicideSafe app walks clinicians through a suicide risk assessment Treatment Improvement Protocol 50-Suicide and Substance Abuse For FEP: <u>http://www.nasmhpd.org/content/part-irecognizing-suicidal-ideation-and-behaviorindividuals-first-episode-psychosis</u>





References

- American Foundation for Suicide Prevention. https://afsp.org/
- Cassidy RM, Yang F, Kapczinski F, Passos IC. (2016) Risk Factors for Suicidality in Patients With Schizophrenia: A Systematic Review, Meta-analysis, and Meta-regression of 96 Studies. Schizophr Bull. 6;44(4):787-797. Gibb et al. 2005
- Haining K, Karagiorgou O, Gajwani R, Gross J, Gumley AJ, Lawrie SM, Schwannauer M, Schultze-Lutter F, Uhlhaas PJ. (In Press) Prevalence and predictors of suicidality and non-suicidal self-harm among individuals at clinical high-risk for psychosis: Results from a community-recruited sample. Early Interv Psychiatry.. doi: 10.1111/eip.13075.
- Centers for Disease Control and Prevention: Preventing Suicide. https://www.cdc.gov/violenceprevention/suicide/fastfact.html .
- Kurdyak P, Mallia E, de Oliveira C, Carvalho AF, Kozloff N, Zaheer J, Tempelaar WM, Anderson KK, Correll CU, Voineskos AN. (In Press) Mortality After the First Diagnosis of Schizophrenia-Spectrum Disorders: A Population-based Retrospective Cohort Study. Schizophr Bull. doi: 10.1093/schbul/sbaa180.
- Parra-Uribe I, Blasco-Fontecilla H, Garcia-Parés G, Martínez-Naval L, Valero-Coppin O, Cebrià-Meca A, Oquendo MA, Palao-Vidal D. (2017) Risk of re-attempts and suicide death after a suicide attempt: A survival analysis. BMC Psychiatry 4;17(1):163.
- Posner K, Brown GK, Stanley B, Brent DA, Yershova KV, Oquendo MA, Currier GW, Melvin GA, Shen S, Mann JJ (2011) The Columbia-Suicide Severity Rating Scale: Initial validity and internal consistency findings from three multisite studies with adolescents and adults. Am J Psychiatry 168:1266-1277.
- Stanley B, Brown GK (2012) Safety Planning Intervention: A brief intervention to mitigate suicide risk. Cognitive & Behavioral Practice 19(2):256-264.
- Tejedor MC, Díaz A, Castillón JJ, Pericay JM. (1999) Attempted suicide: repetition and survival--findings of a follow-up study. Acta Psychiatr Scand. 100(3):205-11.
- Ventriglio A, Gentile A, Bonfitto I, Stella E, Mari M, Steardo L, Bellomo A. (2016) Suicide in the Early Stage of Schizophrenia. Front Psychiatry. 7:116. .
- Vermeulen JM, van Rooijen G, van de Kerkhof MPJ, Sutterland AL, Correll CU, de Haan L. Clozapine and Long-Term Mortality Risk in Patients With Schizophrenia: A Systematic Review and Meta-analysis of Studies Lasting 1.1-12.5 Years. (2019) Schizophr Bull. 45(2):315-329.





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