Prioritizing Suicidal Behaviors in the Treatment of Eating Disorders: Evidence-based Approaches for Assessing, Targeting and Consulting

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Discussant: Leslie Karwoski Anderson, PhD

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Intro to Suicidality in EDs

April R. Smith, Ph.D.

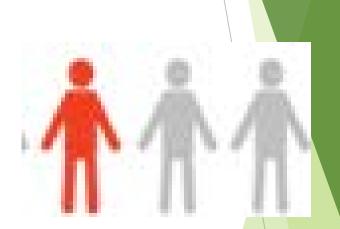
Miami University

Director, Research on Eating Disorders and Suicidality Lab



EDs and suicidal ideation

- AN:
 - 24-43% current (Milos et al., 2004)
 - 20-34% lifetime (Favaro & Santonastaso, 1997)
- BN
 - ▶ 15-23% current (Milos et al., 2004)
 - 26-38% lifetime (Favaro & Santonastaso, 1997)
 - ▶ OR [4.60-8.15] (Forrest, Zuromski, Dodd, & Smith, 2016)
- ► BED:
 - ▶ 27.5% current (Carano et al., 2012)
 - 21% (Favaro & Santonastaso, 1997)





EDs and self-injury (NSSI)

- ► AN-R
 - ▶ 26.1-34.3% (Claes, Vandereycken, & Vertommen, 2001, 2003)
- ► AN-BP
 - > 27.8-51.8% (Claes, et al., 2001, 2003)
- ► BN:
 - ▶ 43.6-55.2% (Claes, et al., 2001, 2003)
- **BED**:
 - ▶ 8% (Favaro & Santonastaso, 1997)





EDs and suicide attempts

- AN
 - 3-20% (Franko & Keel, 2006)
 - ▶ 11-35% (Milos et al., 2004)
- ► BN:
 - 25-35% (Franko & Keel, 2006)
 - ▶ 14-30% (Milos et al., 2004)
 - OR = 8.57 (Forrest et al., 2016)
- **BED**:
 - ▶ 12.5% (Carano et al., 2012)
 - OR [4.64-4.96] (Forrest et al., 2016)





EDs and suicide death

- ► Anorexia—18x (Keshaviah et al., 2014)
- ► Bulimia—7.5x (Preti et al., 2011)
- ► OSFED—4x (Crow et al., 2009)

Depression, 20x; Bipolar, 15x (Harris & Barraclough, 1997)



Arcelus et al., 2011

Risk factors for elevated suicide risk in EDs

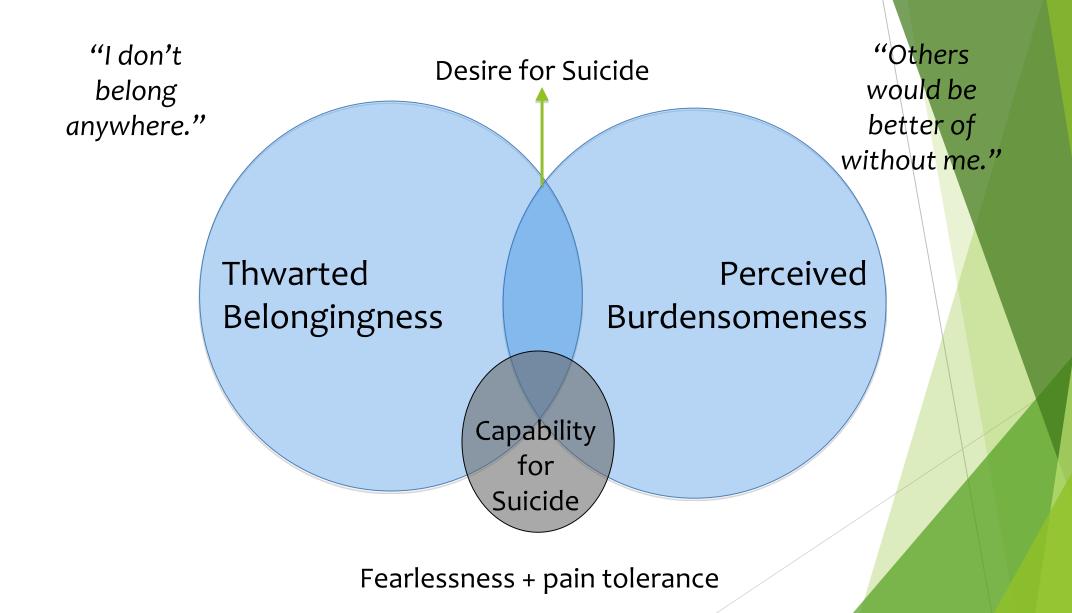
- Comorbid depression and substance in AN (Franko et al., 2004)
- ► History of substance use in BN (Franko et al., 2004)
- Interoceptive deficits (Dodd et al., in press; Smith, Forrest, Velkoff, in press)
- Cluster B personality symptoms (Milos, et al., 2004)
- Childhood emotional and sexual abuse in BN (C. E. Smith et al., 2015)



Frameworks for understanding EDsuicide link

► The Interpersonal Psychological Theory of Suicide (Joiner, 2005; Van Orden et al., 2010)











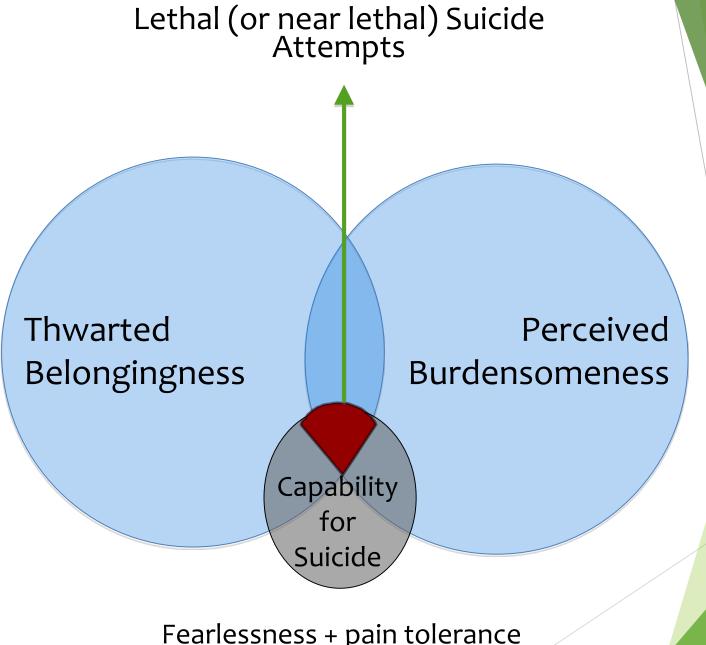












Fearlessness + pain tolerance

Why such a high suicide rate in eating disorders?

Acquired capability

▶ Pain caused by disordered eating behaviors



Capability for suicide and EDs

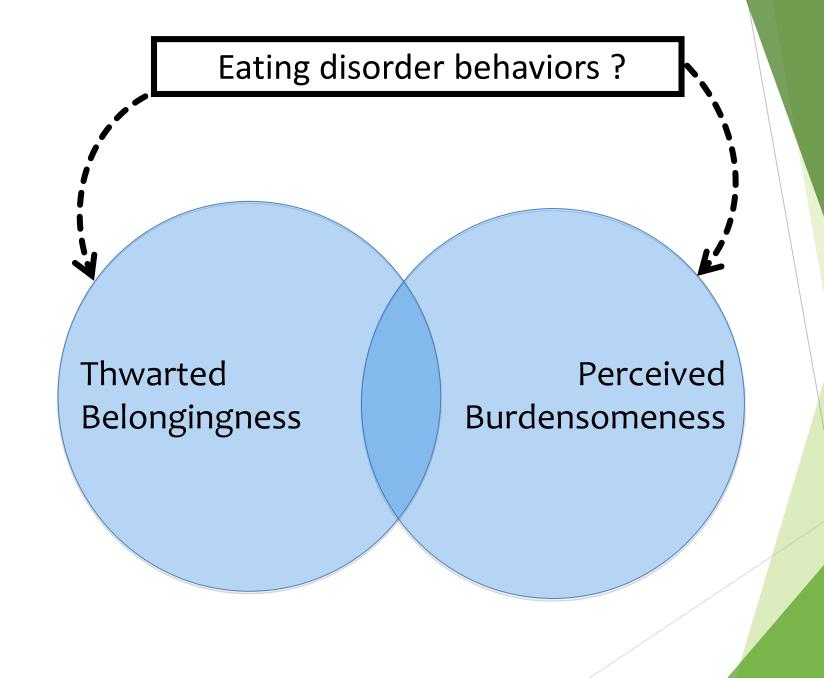
isolated when she attempted suicide with an unknown quantity and type of pain medication and also opened her wrist arteries. This action led to some degree of unconsciousness, from which she awoke . . . She then threw herself in front of a train, which was the ultimate cause of her death.

(Holm-Denoma et al., 2008)

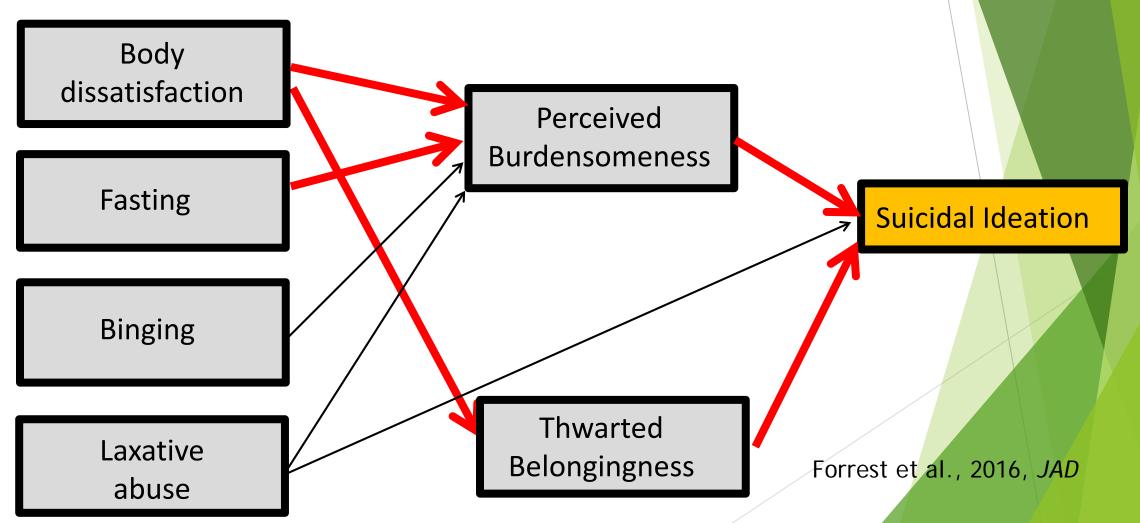
Capability for suicide and EDs

- People with EDs have elevated pain tolerance (e.g., Lautenbacher et al., 2013)
- Over-exercise, vomiting, laxative use associated with self-reported capability (Smith et al., 2012; Witte et al., 2015)
- ▶ But, fearless about death was not higher in AN vs. other ED groups, and ED groups did not have higher fearlessness about death compared to controls, psychiatric inpatients (Smith et al., 2016)
- Restriction associated with attempts, not capability (Witte et al., 2010)





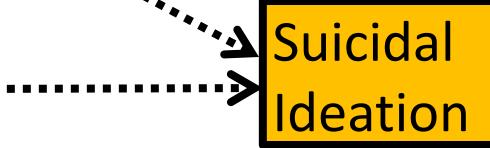




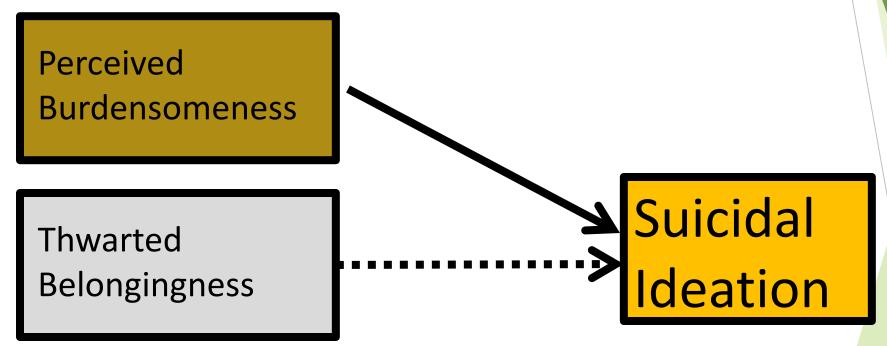


Perceived Burdensomeness

Thwarted Belongingness

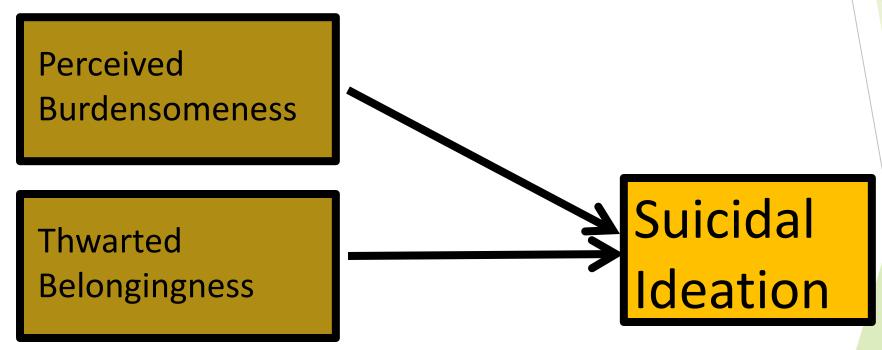






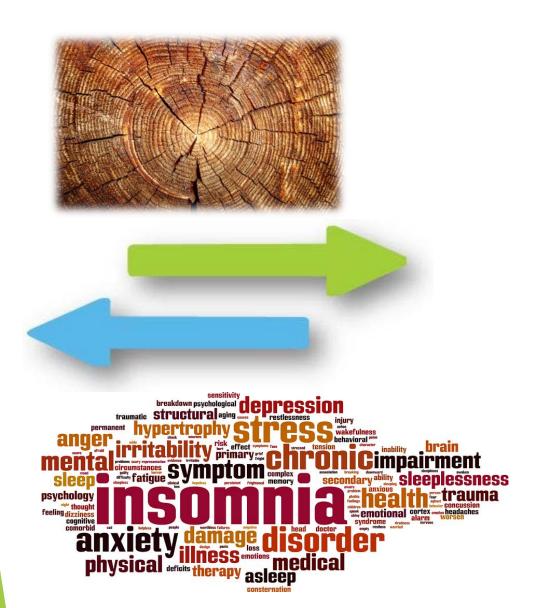
Smith et al., 2016, IJED







Summary, caveats, and future directions



Cross-sectional

► Directionality?

Comorbidities

Assessment and Targeting of Suicidal and ED behaviors

Lucene Wisniewski, PhD, FAED

Case Western Reserve University

and Private Practice

Don't ask don't tell

!

If you don't ask the question: they wont tell you

But also remember that much communication is indirect (behavioral vs. verbal)

Best practice: ask the suicide question

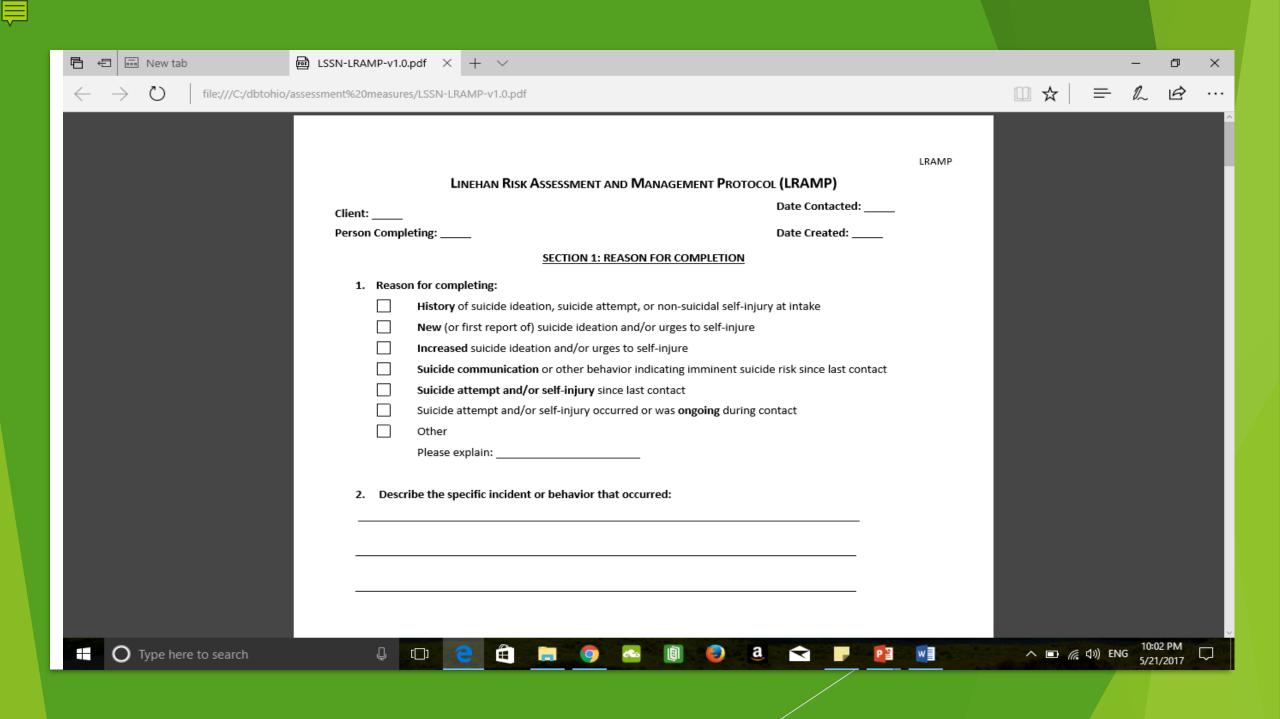
Be Be direct. Ask them. Use specific words like "commit suicide," Use "kill yourself," "take your life" Listen for hesitation, reluctance to Listen answer Don't necessarily accept the first "No" Do response (put it in context)

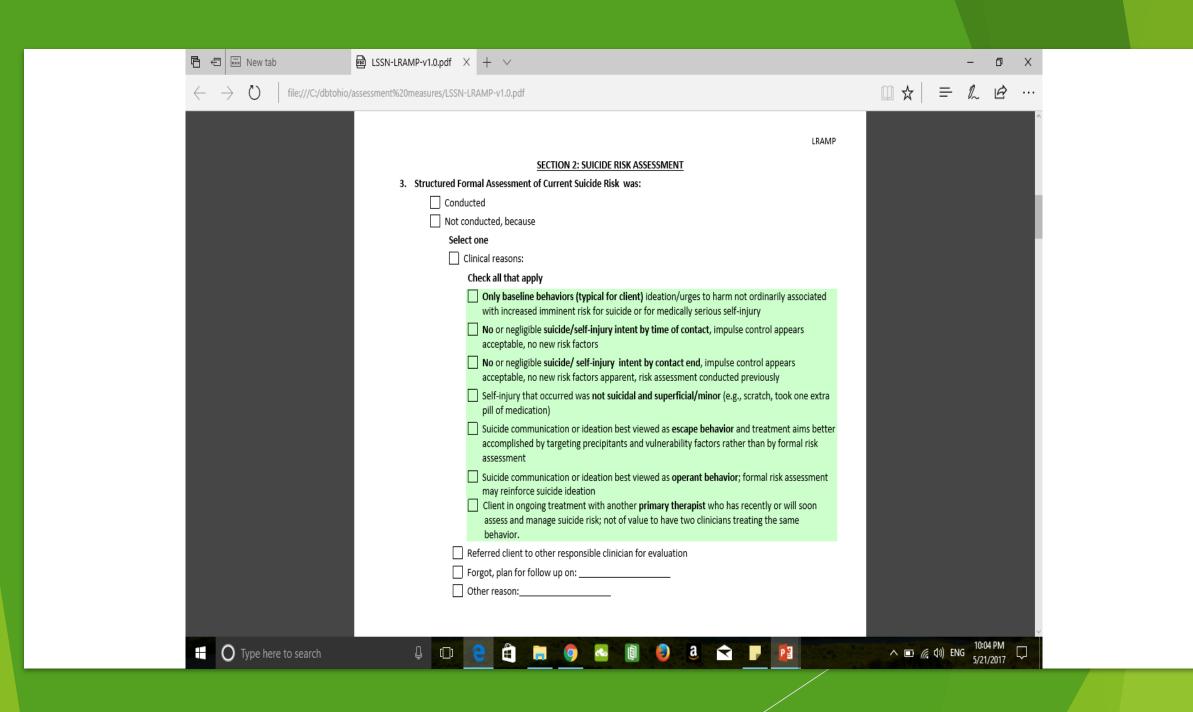
Specific questions

- Are you afraid you might do something rash? That you might regret?
- Are you thinking about hurting yourself?
- ► Are you thinking about killing yourself?
- ► Should I be worried?

▶ Do you have a specific plan?

► What do you hope will happen if you die?

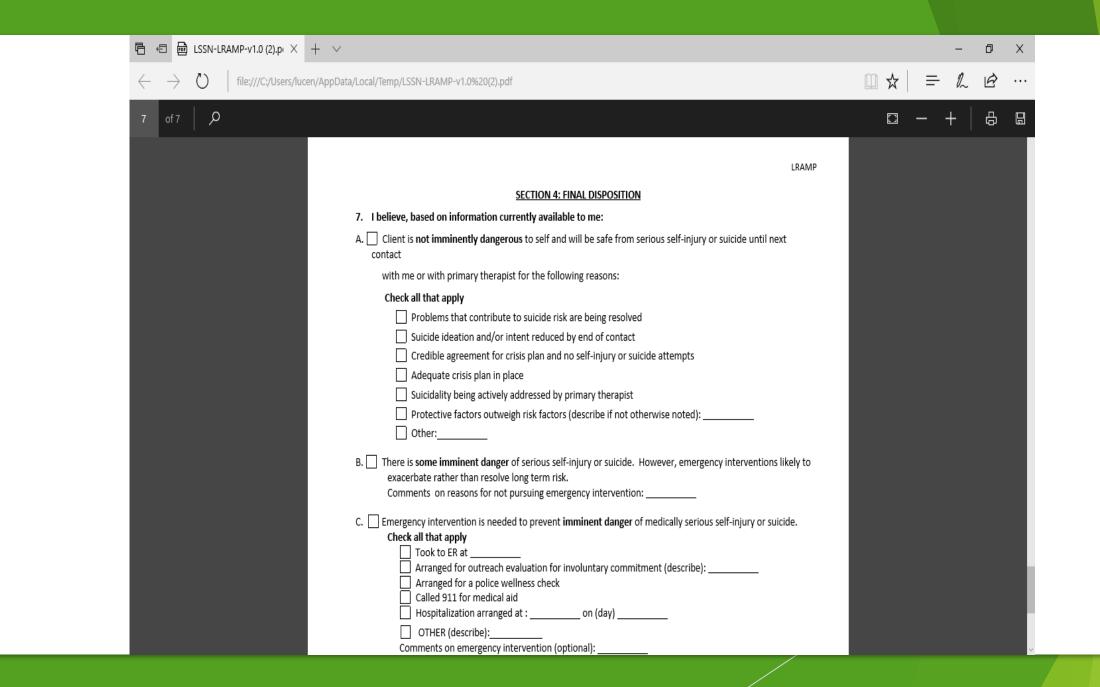




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4. Select Acute Suicide Risk Factors	N-1 D1-1/									•
ACUTE RISK FACTORS	Not Reported/ Not Observed	No	Somewhat	Yes	Comment					
Current suicide intent, including client belief that he/she is going to commit suicide or hurt										
self										
Current suicide plan, rehearsals and/or preparation										
Preferred method currently or easily available										
Access to lethal means										
Perceived burdensomeness to others										
Current severe hopelessness or pessimism										
Diminished concentration and impaired decision-making										
Alcohol intoxication (currently or likely to be)										
Severe loss of interest or pleasure (anhedonia										
Recent discharge from psychiatric hospital										
Currently or will be isolated or alone										
Recent stressful life events (e.g. recent interpersonal losses, disciplinary and legal crises)										
Recent diagnosis of a mental disorder										
Recent diagnosis of chronic and/or life threatening physical illness (e.g., cancer.										V

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LRAMP SECTION 3: SUICIDE RISK MANAGEMENT					^
6. Treatment actions aimed at suicidal/self-injurious behaviors: (Check All that apply)					
A. Suicidal ideation and behavior not explicitly targeted in session (Check reasons) Client is not imminently dangerous Same reasons as for not conducting structured formal suicide risk assessment Risk assessment was sufficiently therapeutic. Other: B. Did behavioral analysis of previous suicidal ideation and behaviors. C. Analyzed chain of events leading to and consequences of current suicidal/self-injurious ideation and behaviors Vulnerability Factors Prompting Events Behavior Suicide Attempt					
Non-suicidal self-injury Increased suicide ideation and/or urges to self-injure Suicide threat Other (specify) Consequences Comments (Optional)					ı
D. Focused on crisis intervention and/or problem solving (Check all used): Validated current emotions and wish to escape or die (emotional support) Identified events that have set off current crisis response Formulated and summarized problem situation with client Worked to remove, remediate prompting events Gave advice and offered solutions to reduce suicidality Challenged maladaptive beliefs related to suicide/self-injury Coached to use skills client is learning in therapy Clarified and reinforced adaptive client responses					



Assessment of Ideation

Active or passive

Have you ever felt so bad, you didn't want to be alive? (wished you wouldn't wake up?)

Do you want to be dead?

Have you thought about killing yourself?

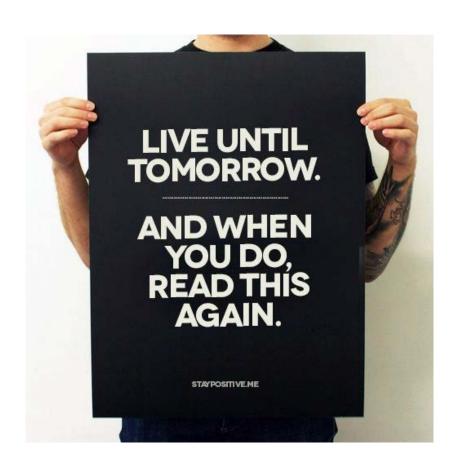
Chronic vs. acute

Have you ever felt like killing yourself in the past?

What did you do when you felt like this?

Do you always kind of wish you were dead?

Pull out all the stops (while maintaining the relationship)



But when someone has a life-threatening ED *and* chronic suicidality.....







Targeting in DBT

- A process transforms the clients' goals into specific behaviors to increase and decrease in order to reach those goals
- When the client has a single problem that if solved will meet his goals
 - ▶ that problem is the target
 - and you are a lucky therapist!
- When there are multiple behaviors to increase or decrease
 - there has to be a mechanism to determine what is treated as a part of the overall case conceptualization
 - ► And in each session



Why Target?

- Targeting gives a means to sort behavior when multiple behaviors presented during the week and in session
- Behaviors that are not targeted do not change

How does DBT target behaviors?

- In sessions and conceptually
- ► Target I: life threatening
- ► Target II: therapy interfering
- ► Target III: quality of life interfering

Target 1 behaviors

- Suicidal behaviors
- Non-suicidal self injury
- ED behaviors when medically unstable



Imminently Life Threatening Conditions in ED Clients

- Bradycardia
 - Heart rate (e.g., < 40) generally warrants hospitalization (Sachs et al, 2016)
- Prolonged QTc
 - >470 needs daily ECG (Sachs et al, 2016)
 - >500 requires hospitalization



Imminently Life Threatening Conditions in ED Clients

- ► Electrolyte Abnormalities (Mehler & Walsh, 2016)
 - ► Hypokalemia (serum potassium <3.6)
 - ► Hyponatremia (serum sodium <120-125)
 - ► Metabolic alkalosis (bicarbonate >28)

- ▶ Chronic Ipecac Abuse
- ▶ Mallory-Weiss Tear
- ▶ Diabetic Keto-Acidosis

Strategies from DBT for managing self-harm and suicide risk

Anne Cusack, PsyD

University of California San Diego Eating Disorder Center

Adult Program Manager



Primary DBT Interventions for lifethreatening behaviors

- 11. Assess frequency, intensity, and severity of suicidal behavior (LRAMP)
- 22. Conduct a comprehensive chain analysis (Behavioral Analysis)
- 33. Relate current behavior to overall patterns (Diary Card)
- 44. Validate the patient's pain
- 55. Focus on negative effects of suicidal behavior (Behaviorism)
- 66. Reinforce non-suicidal responsess (Contingency Management)
- 77. Discuss solving problem vs. distress tolerance (Skills Coaching)
- 88. Obtain commitment to a non-suicidal behavioral plan

Behavioral Chain and Solution Analysis



Behavioral Chain Analysis

- The concept of the functional analysis can be traced to the work of B. F. Skinner (1957), who sought to understand how behavior is maintained through environmental contingencies (e.g., rewards, punishers).
- Identify and break up learned behavioral sequences that precede clients dysfunctional behaviors, identify effective behaviors to replace problem behavior and remove reinforcers for these problem behaviors. Teach others how to remove reinforcers where needed.
- ► The chain analysis is often taught in visual form, as both therapists and clients alike can generally understand the sequential aspect of the chain when presented this way.



Behavioral definition of the problem behavior:

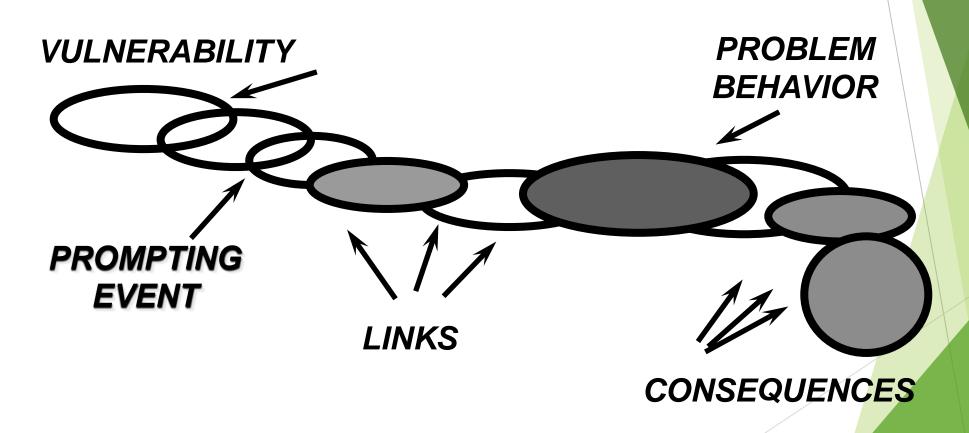
Or

faulty stimulus control

(behavior occurs in wrong situation or fails to occur in right situation)



Analyze the chain of events over time



Behavioral Chain Example

Action, Body Sensation, Cognition, Event, Feeling

- E (vulnerability factor): lack of sleep, restricting
- F (vulnerability factor): feeling incompetent at work
- E (prompting event): body comment from co-worker
- F: anxious, sad, frustrated
- C: "She thinks I can't do this job because of my weight"
- C: "I am worthless"
- F: overwhelmed, hopeless
- C: "I can't stand this"
- F: numb
- C: "I just want to feel differently and can't get through the day without cutting right now"
- A: locked self in bathroom
- A (problem behavior): Cutting
- F: Felt surge of relief
- F: Guilt, shame



Solution Analysis Strategies

- ldentify goals, needs, and desires
- Generate solutions
- Evaluate solutions
- Choose a solution to implement
- Troubleshoot the solution



Behavioral chain example with skills analysis

- E (vulnerability factor): lack of sleep & restricting
- F (vulnerability factor): feeling incompetent at work
- E (prompting event): body comment by coworker
- F: anxious, sad, frustrated
- C: "She thinks I can't do this job because of my weight"
- C: "I am worthless"
- F: overwhelmed, hopeless
- C: "I can't stand this"
- F: numb
- C: "I just want to feel different and can't get through the day without cutting right now"
- A: locked self in bathroom
- A (problem behavior): Cutting
- F: Felt surge of relief, guily and shame

- PIEASE skills & cope ahead
- Practice non-judgmentally
- Use interpersonal effectiveness
- Self-soothe, distract
- Mindful of catastrophizing
- Non-judgmental
- Mindfulness of emotion
- Wise Mind
- Mindfulness of emotion
- Pros & cons
- Opposite action
- Effectively

Function of Diary Cards for suicide risk & self-harm

Diary Cards

Patient fills out daily and brings to session

 Allows the therapist to track self-harm and suicide risk on a daily basis without reinforcement

Provides an opportunity for the therapist to reinforce skillful behavior

- Record of goals for treatment and progress towards them
 - Tracking days without engaging in life-threatening behaviors
 - Highlighting skills to help resist strong urges
- Use to set agenda: Talk about life-threatening behaviors/urges, then treatment-interfering, then quality of life
 - ► Helps decide the behavior(s) to behaviorally chain
- Use to highlight patterns of emotion or behavior over time

Emotions

Urges

Actions

Skill Usage

Goals

_								
ı	** EMOTIONS **	Mo	n Tue	We	d Thu	ı Fri	Sat	Sun
ľ	Sad							
ı	Anxious							
ı	Guilt/Shame							
ı	Anger/Frustration							
ı	Confident/Proud							
ı	Content/Joy							
ı	Motivated (to recover)							
ı	** URGES **	Mon	Tue	Wed	Thu	Fri	Set	Sun
1	Restrict			1				
ı	Binge	\vdash	+-	+-	\top	\top	\top	+-
ı	Purge	\vdash	1	\top	\top		\top	\top
ı	Weigh myself	\top	\top	\top	\top		\top	\top
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	isolate					-	-	
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IMPORTANT EVENTS that may have contributed to my ratings:							
Monday:							
Tuesday:							
Wednesday:							
Thursday:							
Friday:							
Seturdey:							
Sunday:							

Skill Usage (check off each skill you used) DBT Handout #	Mon	Tue	Wed	Thu	Fri	Set	Sun
Wise mind M.2		Т					
APES or Mastery activity ER 10-13							
Radical Acceptance DT 8-10							
PLEASE (Balanced sleep, etc) ER 14							
Encouragement (affirmations, rewards, etc.)							
Mindfulness of Emotion ER 16							
Attend to relationships (Call/text or social)							
Willingness DT 12							
For urges:							
Pros and cons (writing them up or reviewing them) DT 4							
Express urges (to someone)							
Self-soothe DT 5							
IMPROVE the moment DT 6							
Distract DT7							
Opposite Action ERS							
Urge surf M 6							
Other skills: DEAR MAN, Nonjudgmentally, Alternate Reb, etc)							
Other							

My goals	s for treatment and life:	Progress this week (0-5)
1.	Build a life (identity, activities, etc) outside my ED—[set specific goals around this]	
2.		
3.		



Targeting life-threatening behavior in session

- Patient must bring diary card to every session.
- Use diary card to decide what behavior to focus on.
- The first time there is no diary card, therapist responds non-judgmentally and asks, "What happened?" Regardless of response, "Remember we cannot proceed without a completed diary card. So I am going to ask you to fill out this blank one, and we will talk when you are done". Therapist does deskwork and refrains from interaction with patient until she is done.
- Second time no dc, do a detailed behavior chain analysis. May apply aversive consequence



Contingency Management

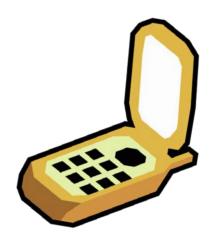




Key concepts in contingency management of life threatening behaviors

- Natural vs. Arbitrary Reinforcers
 - Withdrawing warmth after a patient self-harms
- Satiety or Satiation of a Reinforcer
- Discriminative Stimulus
 - ▶ Identifying events that increase the likelihood of lifethreatening behaviors
- Fixed (steady) vs. Intermittent Reinforcement
- Escape Behavior
- ▶ Reinforcement or Punishment Gradient





Phone Coaching: Targeting life-threatening behavior in the moment





Primary functions of phone coaching

- ► First function: Call before engaging in behavior
 - ► With suicidal clients or nonsuicidal self-injurious clients, important goal= reduce the risk of a completed suicide while not simultaneously reinforcing future suicide behaviors
 - ► They must call when they are able to receive feedback and benefit from skills coaching. No new learning can occur when emotional arousal becomes too high (Baddeley 2007)
- Second function: Assist with skills generalization
 - ▶ During intense crisis, clients often have difficulty accessing and applying information taught in a therapy context to the real world. Phone coaching helps with this!
- ▶ Third function: Make a repair in the relationship & celebrate successes

Phone coaching and behavioral principles

- Phone coaching outside of session allows us to maximize the principles of behaviorism
 - ▶ Opportunity for clients to gain additional skills that they can practice in the moment, rather than after the fact.
 - ➤ Skills coaching increases positive outcomes of using skills and the connection between skillful behaviors are more likely to become temporally linked.
 - Skills are also more immediately reinforced!
- Encourage trying skills before calling
 - ▶ Phone coaching and skills use can be shaped!
 - ► Clients use AT LEAST 2 skills before reaching out for coaching.
 - ► Ask "what skills have you tried so far" to start the coaching call (or text)

The 24 Hour Rule

- ▶ While instructing to client to call prior to the crisis is designed to reinforce skillful behavior, the 24-hr rule exists to extinguish unskillful behavior.
- ▶ During phone coaching orientation, clients are informed that they are explicitly forbidden to call their therapist after a nonsuicidal self-injurious act until a 24-hour time period has elapsed.
 - Can be flexible after eating disorder behavior depending on client need
- Contingency management for life-threatening behaviors

Discussion

Leslie Karwoski Anderson, Ph.D.

UC San Diego Eating Disorders Center for Treatment and Research

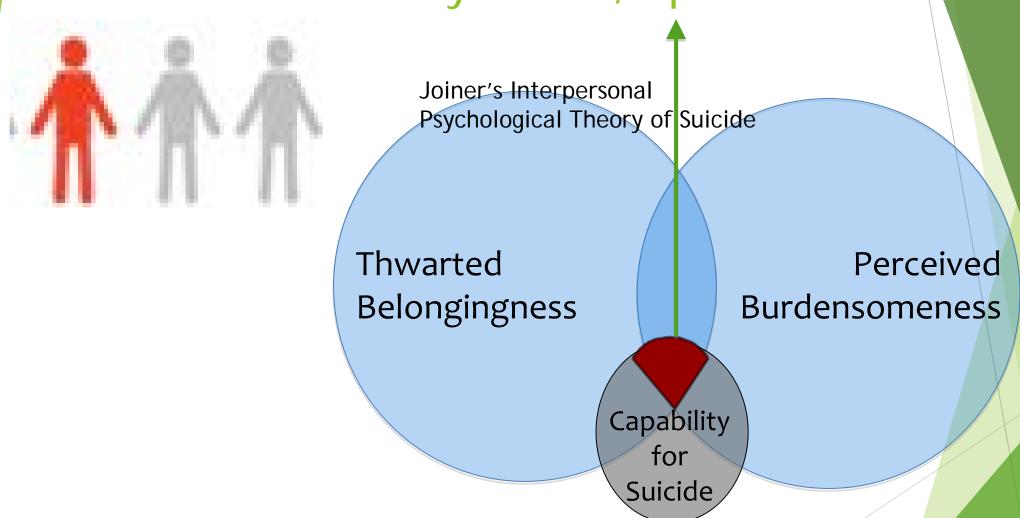


Therapist Fears

- ► Treating individuals at chronic high risk for suicide is scary and often leads to therapist burnout!
- ► Therapists may react with excessive fear, anger, hostility OR excessive empathy



Intro to Suicidality in Eds, April Smith



Fearlessness + pain tolerance



Avoiding Burnout

- ► Self-Care
- ► Consultation team
- ► Skills Use
- ► Education



Assessment and Targeting of Suicidal and ED behaviors, Lucene Wisniewski

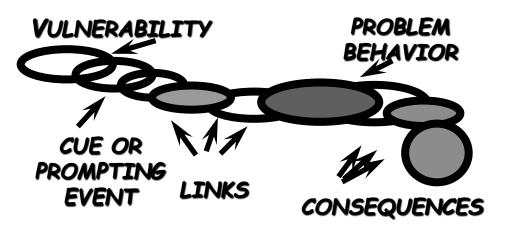
	LINEHAN RISK ASSESSMENT AND MANAGE	EMENT PROTOCOL (LRAMP)					
ent:		Date Contacted:					
son Comple	eting:	Date Created:					
	SECTION 1: REASON FOR C	OMPLETION					
1. Reaso	n for completing:						
	History of suicide ideation, suicide attempt, or non-	-suicidal self-injury at intake					
	New (or first report of) suicide ideation and/or urge	,					
	Increased suicide ideation and/or urges to self-injur						
	Suicide communication or other behavior indicating	g imminent suicide risk since last contact					
	Suicide attempt and/or self-injury since last contact	t					
	Suicide attempt and/or self-injury occurred or was	ongoing during contact					
	Other						
	Please explain:						





Strategies from DBT for managing selfharm and suicide risk, Anne Cusack







** EMOTIONS **	Mon	Tue	Wed	Thu	Fri	Set	Sun
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** URGES **	Mon	Tue	Wed	Thu	Fri	Set	Sun
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** ACTIONS **	Mon	Tue	Wed	Thu	fri	Sat	Sun
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Wise mind	M 2							
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Attend to relationships (Call/text or social)								
Willingness	DT 12							
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Self-soothe	DT 5							
IMPROVE the moment	DT 6							
Distract	DT7							
Opposite Action	ER 5							
Urge surf	M6							
Other skills: DEAR MAN, Nonjudgmentally, Alt	ternate Reb, etc)							
Other								

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2.		
3.		
4.		
5.		