Using the Case Formulation and Progress Monitoring Data to Guide CBT

Jacqueline B. Persons

Oakland Cognitive Behavior Therapy Center, Oakland, CA and University of California at Berkeley

World Congress of Behavioural and Cognitive Therapies

Berlin July 17, 2019, 9:00 a.m. - 17:00 p.m.

9:00 a.m. Introductions and Plan for the Day

9:30 Why do Case Formulation-guided CBT?

10:00 Empirical Foundations

10:15 Formulation and Intervention

Formulation at the level of the symptom

- 10:45 - 11:15 COFFEE BREAK

11:15 Formulation and Intervention

Formulation at the level of the disorder and the case

12:00 Audiotape exercise: Develop an initial formulation of the case of Judy and use it to guide treatment based on an audiotape of the first 12 minutes of the initial interview

13:00 - 14:00 LUNCH BREAK

14:00 Progress Monitoring

15:15 -15:45 COFFEE BREAK

15:45 Using the formulation and progress monitoring to guide treatment

16:30 Finishing up: Review of goals and action plans

Using the Case Formulation and Progress Monitoring to Guide Cognitive-behavior Therapy

Jacqueline B. Persons, Ph.D. oakland cognitive behavior therapy center

WCBCT, Berlin, July 17, 2019

Handouts are available at . . .

• https://oaklandcbt.com/talks-and-workshops



- Why do case formulation-guided CBT?
- Empirical foundations
- Formulation and intervention



Progress monitoring



 Using the formulation and progress monitoring to guide treatment



EXERCISE

With your neighbor:

Reflect on the Agenda.

Write down your learning goals for the workshop today. (2 min)

Goals for the Workshop Today



- •
- •
- •

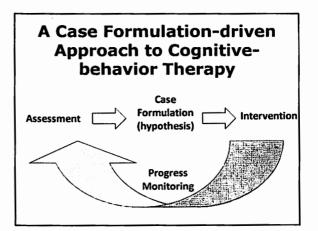
Action Items



- _____
- _____
- •
- _____

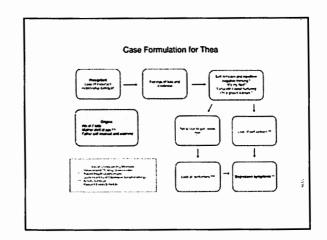


- Why do case formulation-guided CBT?
- Empirical foundations
- Formulation and intervention
- Progress monitoring
- Using the formulation and progress monitoring to guide treatment



Definition of Formulation

A formulation is a hypothesis about the mechanisms (e.g., schemas, contingencies) that cause and maintain a patient's symptoms, problems, and disorders.

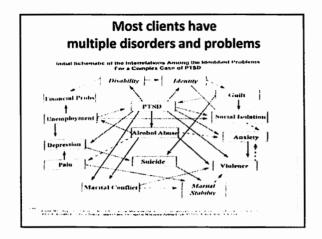


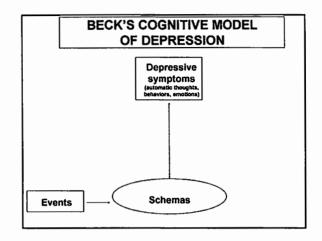
case formulation-driven CBT helps the therapist solve these problems

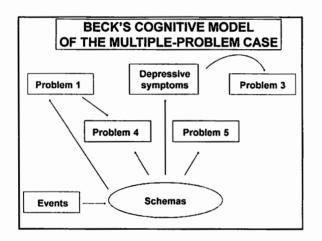
- √Patients have multiple disorders and problems
- ✓No ESTs for many disorders
- ✓ Problem behaviors impede treatment
- ✓ Nonresponse is common
- ✓ Patients have idiographic goals

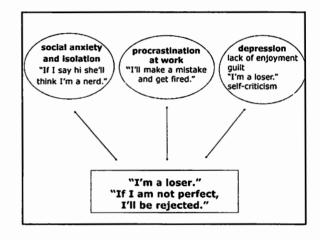
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No empirically-supported treatment is available for many disorders and problems

- · Most personality disorders
- · Autism spectrum disorders
- · Somatization disorders
- · Dissociative disorders
- · "I want to get married and have a family."

Case Formulation-driven CBT can guide treatment when no EST exists

• Steve, a young man who had psychogenic vomiting and mental retardation

Formulation of Steve's case was based on a transdiagnostic model: OPERANT CONDITIONING A B Behavior Consequences

Functional Analysis

Antecedents (A)	Behaviors (B) (actions, thoughts, or emotions)	Consequences (C)

The A-B-C's of Change

(A)	(B)	(C)
Antecedents	Behavior	Consequences
Change behavior by adding antecedents that lead to wanted behavior, and removing antecedents that lead to unwanted behavior.	feelings) by practicing substituting desired behaviors for	Change the events that follow your behavior to reinforce desired behaviors and not reinforce undesired behaviors.

Adapted from: David L. Watson & Roland G. Tharp (2002). Self-Directed Behavior: Self-Modification for Personal Adustment, Belmont, CA: Wadsworth/Thorison Learning.

Functional Analysis of Steve's Vomiting Behavior

	_	
Antecedents (A)	Behaviors (B)	Consequences (C)
Boredom	Vomiting	Father cleans up vomit, takes patient to
Nothing to do		hospital and stays there with him for hours.
No meaningful relationships		TV, couch, pampering at home.

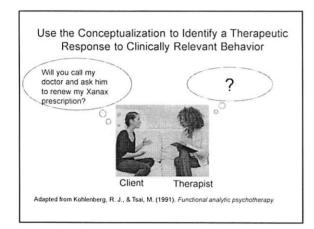
Treatment of Steve's Vomiting Behavior Based on the Functional Analysis

Antecedents (A)	Behaviors (B)	Consequences (C)
Day treatment program	Vomiting	Clean up own vomit.
	•	Father takes to hospital, then leaves.
		No pampering at home after vomiting.

case formulation-driven CBT helps the therapist solve these problems

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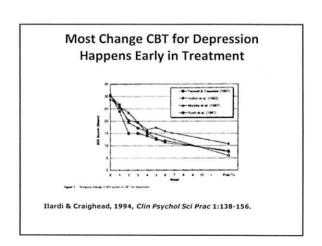
Date	Situation	Behavior	Emotions	Thoughts	Coping Responses
	Difficulty setting		Anxious	I'll pick the wrong topic.	
	therapy session agenda		Appre- hensive	The session won't help me.	
				Therapy probably won't help me; I should try medications	



case formulation-driven CBT helps the therapist solve these problems

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Large Proportions of Depressed Patients Do Not Respond to ESTs Driessen et al., 2013 (< 50% reduction in HAM-D) Psychodynamic 42% Luty et al., 2007 Interpersonal Therapy 59% < 60% change in Montgomery-**CBT 49%** Asberg Depression Rating Scale) DeRubeis et al., 2005 42% CBT 16-wk HAM-D score of 12 or lower 42% Antidepressant Medication & either 14-wk score of 14 or lower or a 10- and 12-wk score of 12 or



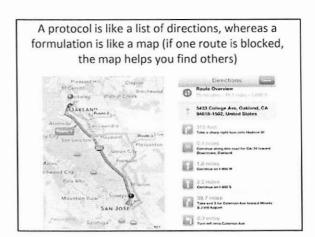
When the patient does not respond to the empirically-supported protocol, it is difficult to know what to do next.



The case formulation approach offers the therapist a way to address treatment failure

- · Collect more assessment data
- Consider whether a different formulation might lead to different interventions that might lead to a better outcome

A Case Formulation-driven Approach to Cognitive-behavior Therapy Assessment Formulation Intervention



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✓ Idiographic Goals: The mother who wanted help using public bathrooms during her child's hospital stay



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- · Why do case formulation-guided CBT?
- Empirical foundations
- Formulation and intervention



· Progress monitoring



· Using the formulation and progress monitoring to guide treatment

Empirical Foundations of case formulation-driven CBT

· EST-based formulations and interventions

Cognitive Conceptualization of Panic

Situation: Sitting in class thinking about final exam TRIGGER- I have a little difficulty breathing

AUTOMATIC THOUGHTS- Something is wrong. What if I panic?

EMOTION- Fear

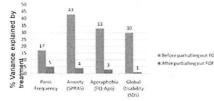
SOMATIC SENSATIONS- Rapid breathing, muscle tension, palpitations

FOCUS ON SENSATIONS- How am I breathing? Is it getting worse?

INTENSIFICATION OF SENSATIONS

PANIC

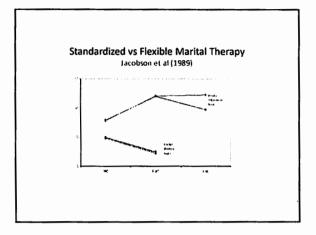
Change in Fear of Fear Accounts for Most of the Change Produced by CBT for Panic



Smits et al., JCCP, 2004

Empirical Foundations of case formulation-driven CBT

- · EST-based formulations and interventions
- · A handful of RCTs show formulation-driven treatment is usually equal to and occasionally superior to standardized treatment



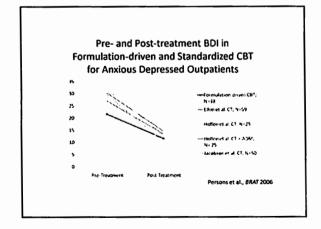
Modular treatment was more effective than standard protocol or TAU for depression, anxiety, and conduct problems in youth (West et al., 2012, Arch Gen Psychiatry

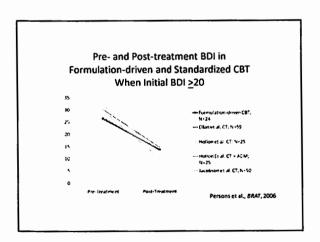
Empirical Foundations of case formulation-driven CBT

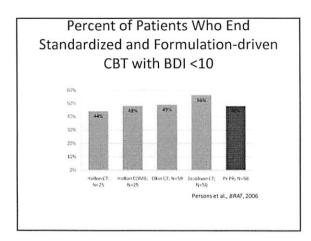
- EST-based formulations and interventions
- A handful of RCTs show formulation-driven treatment is usually equal to and occasionally superior to standardized treatment
- Uncontrolled trials show formulation-driven treatment produces outcomes similar to ESTs

Naturalistic case formulation-driven CBT for anxious depressed outpatients produces outcomes similar to those of RCTs for depression

Persons, Roberts, Zalecki, & Brechwald, 2006, Behaviour Research and Therapy







Empirical Foundations of case formulation-driven CBT

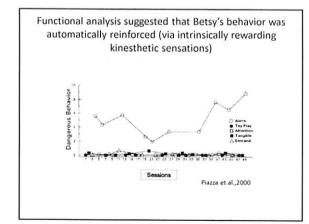
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- A handful of RCTs show formulation-driven treatment is usually equal to and occasionally superior to standardized treatment
- Uncontrolled trials show formulation-driven treatment produces outcomes similar to ESTs
- Many single case studies of self-injurious behavior and similar problems show that formulation-driven treatment is superior to standardized treatment
- · Progress monitoring improves outcomes

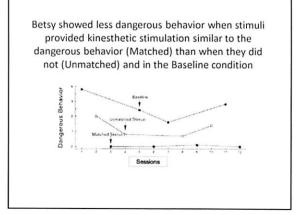
An evaluation of the effects of matched stimuli on behaviors maintained by automatic reinforcement

Piazza, Adelinis, Hanley, Goh, & Della, 2000, Journal of Applied Behavior Analysis

Betsy

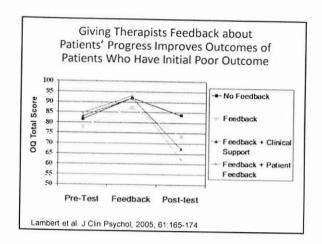
- 6 year old girl diagnosed with ADHD and severe mental retardation
- Hospitalized for treatment of dangerous behavior (e. g., climbing on furniture and jumping out of windows)

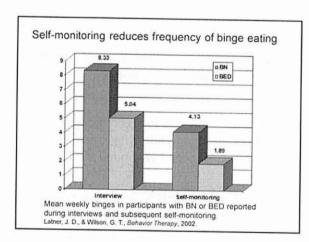




Empirical Foundations of case formulation-driven CBT

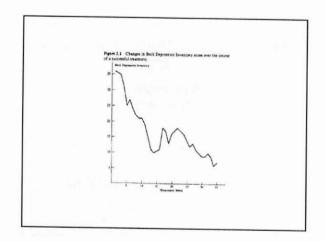
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- · Progress monitoring improves outcomes





The most important data are . .

... progress monitoring data collected from every patient during treatment.





- Why do case formulation-guided CBT?
- · Empirical foundations
- Formulation and intervention



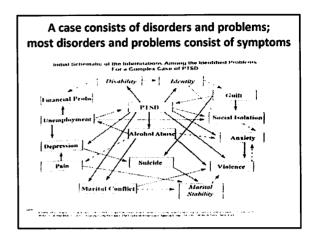
· Progress monitoring



 Using the formulation and progress monitoring to guide treatment

Three Levels of Formulation

- Symptom
- Disorder/Problem
- Case



Three Levels of Formulation

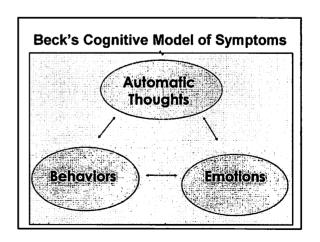
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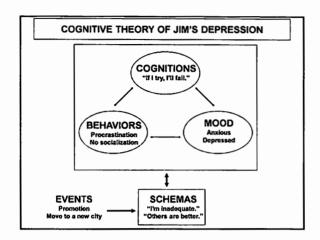
Two Models Can be Used to Formulate Symptoms and Behaviors

- Structural models focus on topography of behavior and underlying structures (e.g., Beck's cognitive model)
- Functional models focus on function of behavior (e.g., operant conditioning)

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Date	Situation (Event, memory, plan, etc.)	Behaviors	Emotions	Thoughts	Coping Responses
		Urges to commit suicide, suicidal behavior			

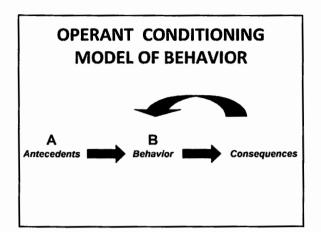
Date	Situation (Event, memory, plan, etc.)	Behaviors	Emotions	Thoughts	Coping Responses
	Severe and/or unremitting depression/pain/dist ross	Urges to commit suicide, suicidal behavior	hopeless	This pain will never end.	Anti- hopelessness interventions; behavioral experiment to test belief. "I wil never enjoy anything again."

Thought Record

DATE SITUATION (Event, memory, attempt to do something, etc.) BEHAVIOR(S) EMOTIONS THOUGHTS COPING RESPONSES	

Two Models Can be Used to Formulate Symptoms and Behaviors

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Formulating Suicidal Behavior Using Operant Conditioning

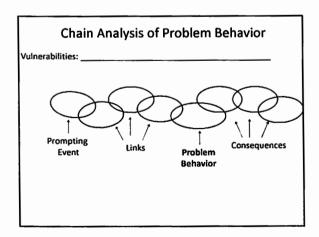
Antecedents (A)	Behaviors (B) (actions, thoughts, or emotions)	Consequences (C)
Overwhelming problems	Suicidal behavior	Hospitalization (escape from problems)

Treating Suicidal Behavior Using Operant Conditioning

Antecedents (A)	Behaviors (B) (actions, thoughts, or emotions)	Consequences (C)
Reduce/help the person solve the problems		Prevent hospitalization, respond immediately to adaptive requests for help

Another clinical application of operant conditioning

Behavioral chain and solution analysis



Behavioral Chain and Solution Analysis

Work with the patient to . . .

- 1. Identify a problem behavior (B) that occurred at a particular time
- 2. Identify antecedents (As) and consequences (Cs) of the B
- 3. Identify alternate As that do not lead to B
- 4. Obtain a commitment to do the alternate As

Linehan, 1993. CBT for Borderline Personality Disorder

A – B- C Log

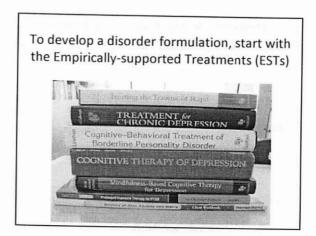
S				
В				
∢				
Date				
Time				

Chain Analysis

What things in myself or my environment made me vulnerable?								
What things in myself or my environment made me vulnerable?								
What event (in the environment) started the chain?								
What happened next? (events in the environment; my behaviors, thoughts, emotions, body sensations)							
1 st								
2 nd								
3 rd								
4 th								
5 th								
6 th								
7 th								
8 th								
9th								
10 th								
What happened after the problem behavior? (events; my behaviors, thoughts, emotions, body sensations)	ons)							
1 ath								
11 th								

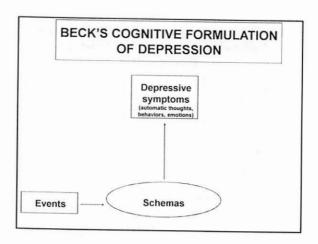
Three Levels of Formulation

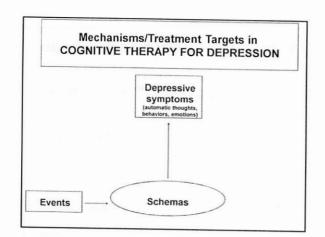
- Symptom
- · Disorder/Problem
- Case

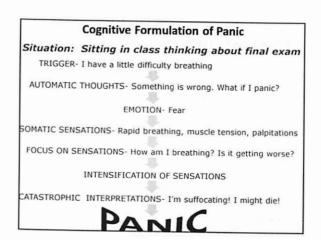


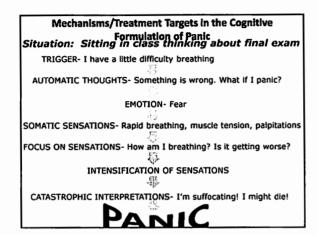
To Develop a Disorder Formulation, Start with the ESTs

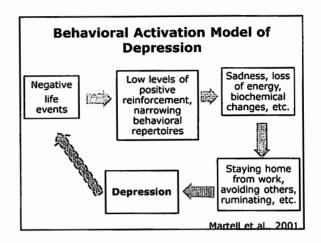
- · Most ESTs treat a disorder.
- The EST is based on a formulation of the disorder.
- The formulation describes psychological mechanisms (e.g., schemas, contingencies, skill deficits) that cause and maintain the symptoms of the disorder.
- The EST protocol describes interventions that change the symptoms by changing the mechanisms.

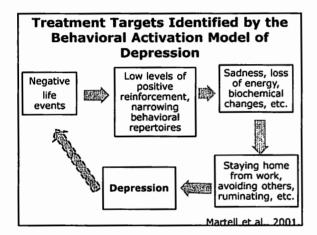


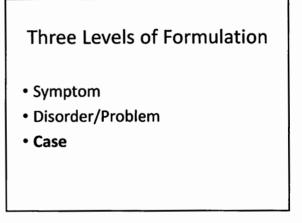


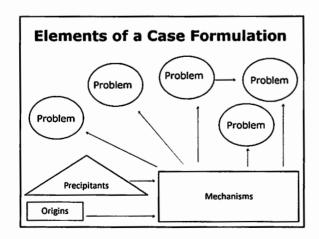


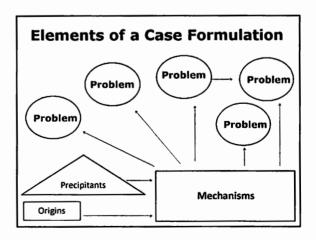










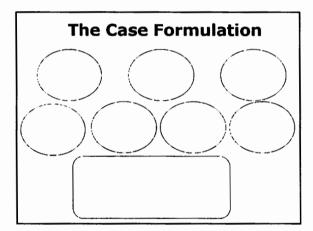


A problem is

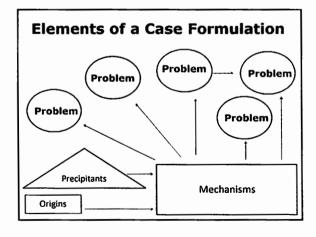
... a symptom or disorder or difficulty that is observable/behavioral. E.g., suicidal rumination, OCD, marital fighting and other difficulties, substance abuse, panic attacks.

A mechanism is

... a biological or psychological construct (e.g., maladaptive schemas, problematic contingencies, perfectionism, intolerance of uncertainty) that causes and/or maintains the person's problems



Obtaining a Comprehensive Problem List



Domains Assessed to Create a Comprehensive Problem List

- Psychological/psychiatric disorders and symptoms
- · Medical disorders and symptoms
- Interpersonal
- Work
- Finances
- Housing
- Legal
- Leisure
- · Healthcare difficulties

Guidelines for Developing a Problem List

- · Develop a comprehensive list.
- Name each problem in one or two words. "Work dissatisfaction."
- Describe emotion, behavioral, and cognitive components. "Feels worthless, avoids work and thinks, 'I'm going to fail at that project."
- Strive for a mutually agreed-upon Problem List.

Priority Order of Problems

- 1. Suicidal and self-harming behaviors
- 2. Therapy-interfering behaviors
- 3. Quality-of-life interfering behaviors
- 4. Other problems

Quality-of-life-interfering Behaviors

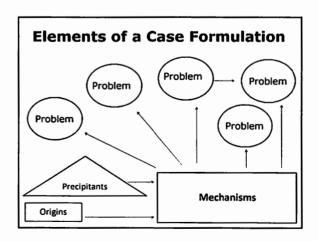
- · Severe substance abuse
- High-risk sexual behavior
- Criminal behaviors that may lead to jail
- Serious dysfunctional interpersonal behaviors (choosing abusive partners, ending relationships prematurely)
- Employment or school-related dysfunctional behaviors (quitting jobs or school; inability to look for or find a job)
- Illness-related dysfunctional behaviors (inability to get proper medical care; not taking medications)
- Housing-related dysfunctional behaviors (living in shelters, cars, or overcrowded housing)
- Mental-health-related dysfunctional behaviors (going into psychiatric hospitals)
- Mental-disorder-related dysfunctional patterns (behaviors that meet criteria for other severe mental disorders)

Adapted from Linchan, M. M. (1993). Cognitive-behavioral treatment of borderline personality disorder

Intake Measures Used at the Oakland CBT Center

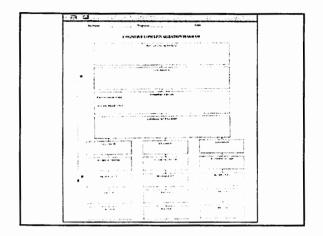
- · Adult Intake Questionnaire
- Diagnostic Screen
- · Depression Anxiety Stress Scales (DASS)
- PHQ9
- · Functioning and Satisfaction Inventory (FSI)
- · Obsessive Beliefs Questionnaire
- A scale assessing social support
- Perseverative Thinking Questionnaire
- https://oaklandcbt.com/intake-forms

Developing a Mechanism Hypothesis



Tools to Help Develop Mechanism Hypotheses

- · Thought Records
- · Behavioral Chain analysis form
- Beck's Cognitive Conceptualization Diagram
- · Behavioral Chain analysis form
- Standardized tools (e. g., Obsessive Beliefs Questionnaire, Perseverative Thinking Questionnaire); available at https://oaklandcbt.com/forms-and-tools-for-clinicians



A strategy for developing a caselevel formulation

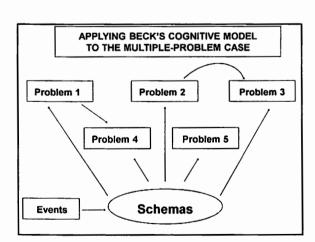
Extend a symptom or disorder formulation to account for all of the patient's problems and disorders

Functional Analysis of Steve's Vomiting Behavior

Antecedents (A)	Behaviors (B)	Consequences (C)
Boredom	Vomiting	Stimulation, activity Special treatment
Nothing to do		(TV, couch) Attention from
No meaningful relationships		father

A strategy for developing a case formulation based on Beck's cognitive model

Extend Beck's formulation of depressive disorder to account for all of the patient's problems and disorders



Audiotape Exercise

Develop an initial formulation of the case of Judy using Beck's cognitive model

EXERCISE





Use Beck's cognitive model.

Listen to the first 12 minutes of the initial interview with "Judy" and develop hypotheses about:

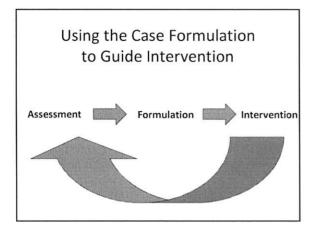
- Problems
- -Schemas of "Self" and "Others"

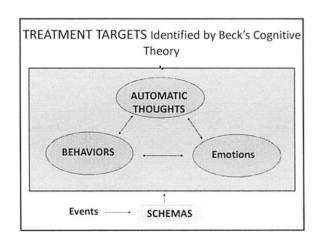
Exercise



Develop a Formulation of the Case of Judy

- · Work with your neighbor
- · Identify as many problems as you can
- Propose hypotheses about schemas of Self and Others





Interventions in Beck's Cognitive Therapy

- · Behavioral activity scheduling
- Cognitive restructuring
- · Behavioral experiments
- · Positive data log
- · Continuum method
- . . .

ACTIVITY SCHEDULE

	MONDAY DATE:	TUESDAY DATE:	WEDNESDAY DATE:	THURSDAY DATE:	FRIDAY DATE:	SATURDAY DATE:	SUNDAY DATE:
7-8							
8-9							
9-10							
10-11							
11-12							
12-1							
1-2							
2-3							
3-4							
4-5							
5-6							
6-7							
Evening							

^{© 1999} San Francisco Bay Area Center for Cognitive Therapy

Thought Record

	COLLINATION	DEHAVIOR(C)	EMOTIONS	THOUGHTS	COPING RESPONSES
DATE	SITUATION (Event, memory, attempt to do	BEHAVIOR(S)	ENICTIONS	Поодпіз	COI MO REDI CHOLO
	(Event, memory, attempt to do something, etc.)				
	5558				
	S. F. S. S. Anna Camban for Ca	J			



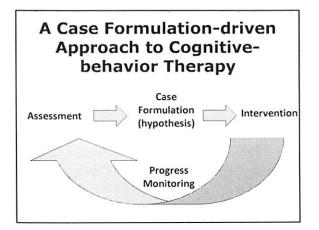
- Why do case formulation-guided CBT?
- Empirical foundations
- Formulation and intervention



• Progress monitoring



• Using the formulation and progress monitoring to guide treatment



Dr. Beck's account of the development of cognitive therapy



Outcome and Process

- Outcome
 - Symptoms (e.g., DASS, PHQ9)
 - Behaviors (e.g., binges or panic attacks or late arrival at work)
- Process includes . . .
 - Psychological mechanisms (e.g., perfectionism, self-criticism, intolerance of uncertainty)
 - The therapeutic alliance
 - What the client reports s/he is learning
 - Compliance

Progress Monitoring Defined



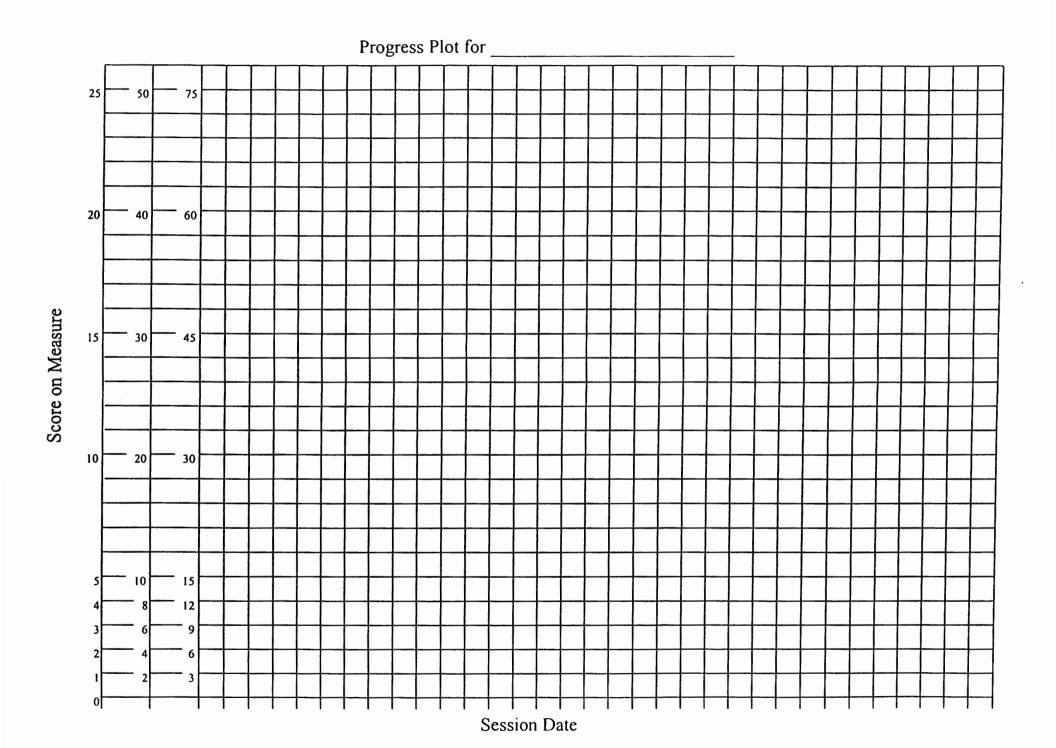
An outcome scale and/or a process scale are completed

- · in writing or online
- · before every therapy session
- · reviewed in session and used to guide treatment

Completing a standardized scale in the waiting room before the session







Your Progress Monitoring

- Were you were trained to do this?
- Do you do this in:
 - Every session
 - Half of sessions
 - -Less than half of sessions
 - -Not at all

Tools to Monitor Outcome

Provided in the handouts:

- Patient Health Questionnaire-9 (PHd
- Daily Log
- MOOD Chart

Additional tools, including the Depression Anxiety Stress Subscales (DASS) and Excel scoring tool, are at https://oaklandcbt.com/forms-and-tools-for-clinicians

PATIENT HEALTH QUESTIONNAIRE PHQ-9 FOR DEPRESSION

USING PHQ-9 DIAGNOSIS AND SCORE FOR INITIAL TREATMENT SELECTION

A depression diagnosis that warrants treatment or treatment change, needs <u>at least one of the first two questions endorsed as positive</u> (*little pleasure, feeling depressed*) indicating the symptom has been present <u>more than half the time in the past two weeks.</u>

In addition, the tenth question about <u>difficulty</u> at work or home or getting along with others should be answered <u>at least "somewhat difficult</u>."

When a depression diagnosis has been made, patient preferences should be considered, especially when choosing between treatment recommendations of antidepressant treatment and psychotherapy.

PHQ-9 Score	Provisional Diagnosis	Treatment Recommendation		
5-9	Minimal symptoms*	Support, educate to call if worse; return in 1 month.		
10-14	Minor depression ††	Support, watchful waiting		
	Dysthymia*	Antidepressant or psychotherapy		
	Major depression, <i>mild</i>	Antidepressant or psychotherapy		
15-19	Major depression, moderately severe	Antidepressant or psychotherapy		
≥ 20	Major depression, severe	Antidepressant <u>and</u> psychotherapy (especially if not improved on monotherapy)		

^{*} If symptoms present ≥ two years, then probable chronic depression which warrants antidepressant or psychotherapy (ask, "In the past 2 years have you felt depressed or sad most days, even if you felt okay sometimes?").

^{††} If symptoms present ≥ one month or severe functional impairment, consider active treatment.

PATIENT HEALTH QUESTIONNAIRE-9 (PHQ-9)

Over the <u>last 2 weeks</u> , he by any of the following p (Use "" to indicate your a		Not at all	Several days	More than half the days	Nearly every day		
1. Little interest or pleasur	e in doing things	0	1	2	3		
2. Feeling down, depresse	ed, or hopeless	0	1	2	3		
3. Trouble falling or staying	g asleep, or sleeping too much	0	1	2	3		
4. Feeling tired or having I	ittle energy	0	1	2	3		
5. Poor appetite or overea	ting	0	1	2	3		
6. Feeling bad about yours have let yourself or you	self — or that you are a failure or r family down	0	1	2	3		
7. Trouble concentrating onewspaper or watching	en things, such as reading the television	0	1	2	3		
noticed? Or the opposi	slowly that other people could have te — being so fidgety or restless ving around a lot more than usual	0	1	2	3		
Thoughts that you woul yourself in some way	d be better off dead or of hurting	0	1	2	3		
	FOR OFFICE CODE	NG <u>0</u> +	+	· •	·		
			=	Total Score	:		
If you checked off <u>any</u> problems, how <u>difficult</u> have these problems made it for you to do your work, take care of things at home, or get along with other people?							
Not difficult at all □	Very difficult □		Extreme difficu	•			

MOOD CHART NAME: MONTH: 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Day of the Month Med: Med: Med: NOTES Severe Mod Elevation Mild MOOD NL Mild Depression Mod SLEEP (Hrs) High ENERGY ACTIVITY Low High Low Day of the Month 2 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Session Assignment and Feedback Form (SAFF)

oday's Date				Next	Session			
Assignments			М	Tu	W T	h F	Sa	S
		7						
						_	+	
							<u> </u>	ļ
:								
Please com	plete during or immedi	ately after	the ses	sion			•	
What are 1 or 2 things you want to remember	per from the session?							
n the session		Not at all	A little	Moderatel	y Quite a	bit Very	much E	xtremely
I felt uncomfortable with my therapist.		0	1	2	3		4	5
My therapist and I were in total agreen worked on my problems.	nent about how we	0	1	2	3		4	5
3. I felt confident that I made progress to	ward my therapy goals.	0	1	2	3	· · · · · · · · · · · · · · · · · · ·	4	5
I felt certain that my therapist and I we agreement about my therapy goals.	announcement of the desirable security of a second of the contraction	0	1	2	3		4	5
Pleas	se complete just before	the next s	ession					
How helpful were any of the assignments	Comment of the Commen	t do any Not a					y much (Complet 5
What skills did you use during the last wee	the same of the second control of the second		The state of the s	**************************************	on the second second			
☐ Mindfulness	☐ Problem-solving			Focus on	goals a	nd value	es	
	☐ Opposite action ☐ Focus on positives							
☐ Self-care	☐ Access social support			Other:				-
☐ Self-care☐ Focus on the CB model of your		t - 11 11 - C-						
☐ Self-care☐ Focus on the CB model of your problems	☐ Test/change though			None				
☐ Self-care☐ Focus on the CB model of your				None				
 □ Self-care □ Focus on the CB model of your problems □ Self-monitoring 	☐ Test/change though ☐ Interpersonal effect	iveness			tely Quite	a hit Ven	much	Comple
 □ Self-care □ Focus on the CB model of your problems □ Self-monitoring 	☐ Test/change though ☐ Interpersonal effect ☐ Acceptance	Not at all	A tittle		tely Quite		much	Comple 5

The SAFF Gives Feedback about Therapy Process

- Skills and concepts patient is learning
- · Homework compliance
- Perceived helpfulness of homework
- · Strength of the alliance
- · Patient perception of session helpfulness
- · Patient perception of progress

How to Use the SAFF

- Ask patient to complete SAFF and bring to next session
- · At the beginning of the next session:
 - copy SAFF and return original to the patient
 - review SAFF with patient
 - use SAFF data to set agenda and guide decisionmaking
- · Collect in tandem with an outcome measure

<u>Assessment Tools Useful for Developing Formulation (Mechanism) Hypotheses</u>

Collections of Measures

Antony, M. M., Orsillo, S. M., & Roemer, L. (2001). *Practitioner's guide to empirically based measures of anxiety*. New York, NY: Kluwer Academic/Plenum Publishers.

Fischer, J., & Corcoran, K. (2007). *Measures for clinical practice and research: A sourcebook* (Vol. 1 (Couples, Families, Children). Oxford: Oxford University Press.

Fischer, J., & Corcoran, K. (2007). *Measures for clinical practice and research: A sourcebook* (Vol. 2 (Adults). Oxford: Oxford University Press.

Nezu, A. M., Ronan, G. F., Meadows, E. A., & McClure, K. S. (2000). *Practitioner's guide to empirically based measures of depression*. New York, NY: Kluwer Academic/Plenum Publishers.

Mechanism Assessment Tools

Bieling, P. J., Beck, A. T., & Brown, G. K. (2000). The Sociotropy Autonomy Scale: Structure and implications. *Cognitive Therapy and Research*, *24*, 763-780. (reprinted in Nezu et al., above)

Frost, R. O., Martin, P., Lahart, C., & Rosenblate, R. (1990). The dimensions of perfectionism. *Cognitive Therapy and Research, 14*, 449-468. (reprinted in Antony et al., above)

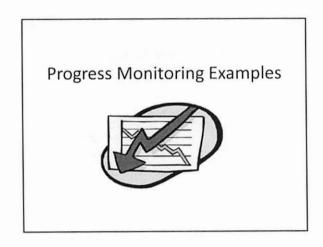
MacPhillany, D. J., & Lewinsohn, P. M. (1982). The Pleasant Events Schedule: Studies on reliability, validity, and scale intercorrelation. *Journal of Consulting and Clinical Psychology, 50*, 363-380. (reprinted in Nezu et al., above)

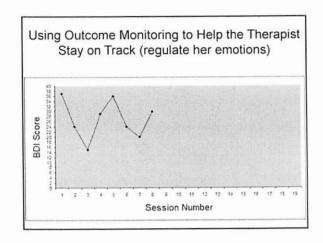
Obsessive Compulsive Cognitions Working Group (2005). Psychometric validation of the obsessive belief questionnaire and interpretation of intrusions inventory – Part 2: Factor analyses and testing of a brief version. *Behaviour Research and Therapy, 43,* 1527-1542. (OBQ44 and an excel scoring document are posted at https://oaklandcbt.com/forms-and-tools-for-clinicians)

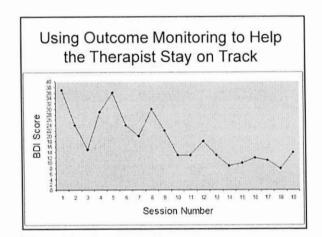
Taylor, S. & Cox, B. J. (1998). An expanded Anxiety Sensitivity Index: Evidence for a hierarchic structure in a clinical sample. *Journal of Anxiety Disorders, 12,* 463-483. (ASI and ASI-revised are reprinted in Antony et al. above)

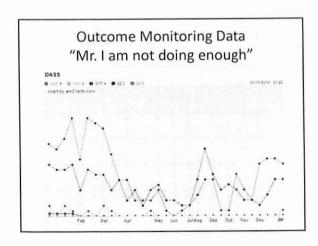
Freeston, M. H., Rheaume, J., Letarte, H., Dugas, J. J., & Ladouceur, R. (1994). Why do people worry? *Personality and Individual Differences*, *17*, 791-802. (Paper about Intolerance of Uncertainty Scale, which is reprinted in Antony et al., above)

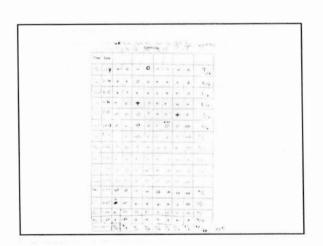
Young Schema Questionnaire (YSQ). A paper-and-pencil self-report tool that assesses the 18 maladaptive schemas described by Jeffrey Young's Schema Theory. Available at: www.schematherapy.com

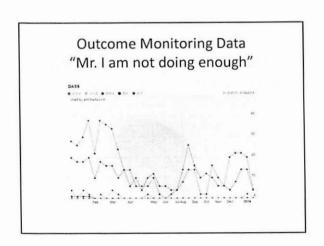


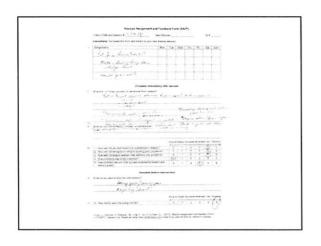


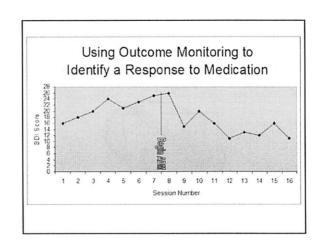


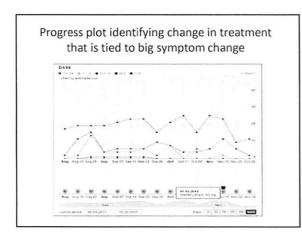


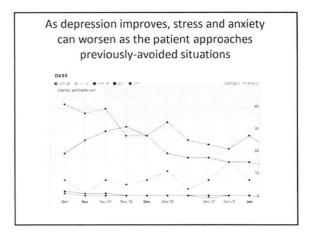












VIDEO DEMONSTRATIONS: Obtaining progress monitoring data from the noncompliant client



EXERCISE: Obtaining progress monitoring data from your noncompliant client



- · Pair up. One be client, one be therapist
- Use the PHQ9 in your handouts
- · Client did not do the measure before the session
- Therapist asks the client to do the measure at the beginning of the session



- · Why do case formulation-guided CBT?
- · Empirical foundations
- Formulation and intervention

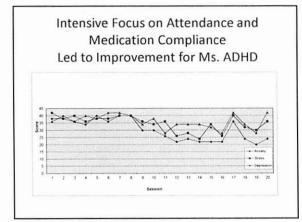


· Progress monitoring



· Using the formulation and progress monitoring to guide treatment

Weekly scores on the DASS show that Ms. ADHD is not making progress in treatment

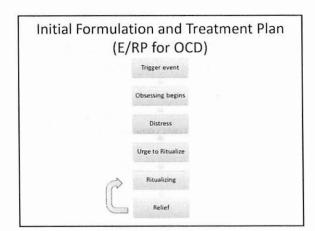


Using the formulation and progress monitoring data to overcome treatment failure



Mr. "I might have cancer"

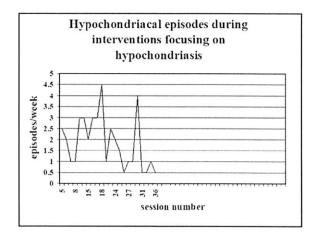
Persons, J. B., & Mikami, A. Y. (2002) Psychotherapy.



Exposure Hierarchy - Fear of Cancer 100 + asking all questions of M.D. 100 - reading about bladder cancer - "80%" statistic reading about colon cancer reading about breast cancer 60 -30reading about skin cancer looking at urine sample container 25 saying aloud: "I was diagnosed with bladder cancer and the cancer was surgically removed."

Health-Related Rituals

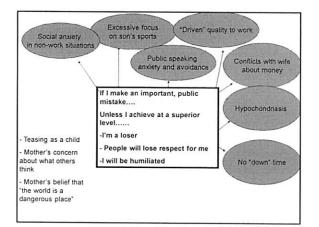
- · Weigh myself daily
- · Changed shampoo brand
- · Rinse shampoo quickly
- · I don't breathe hairspray vapors
- · Installed water filtration system for showers
- · I drink only bottled water
- · I eat the same high fiber cereal every day
- · I take vitamins and 250 mg of vitamin C daily
- · I avoid breathing bus fumes
- · I avoid fatty foods and artificial sweeteners
- · I don't drink caffeine
- · I try to eat a lot of fruits and vegetables



Collecting Additional Assessment Data to Revise the Formulation

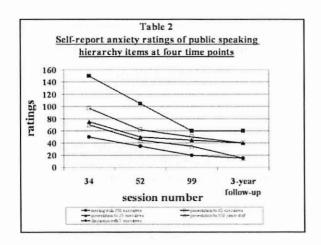
- · Thought Record identified a new core fear
- Comprehensive Problem List and diagnostic assessment identified an additional DSM disorder
- Information about origins of the problem supported the new core fear hypothesis

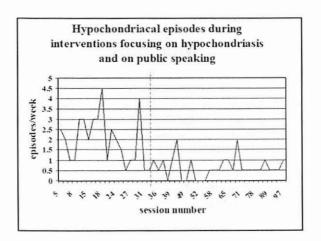
Date	Situation	Behavior(s)	Emotions	Thoughts	Coping Responses
	Colleague says, "Oh you're sick again."			It could be cancer. I'll miss work. I'll drop a ball. I'll lose my job. I'll be humiliated.	



Revised Formulation and Treatment Plan

- Revised formulation: The fear underpinning hypochondriasis was of humiliation, not cancer
- Revised treatment plan targeted fear of humiliation and focused on public speaking situations





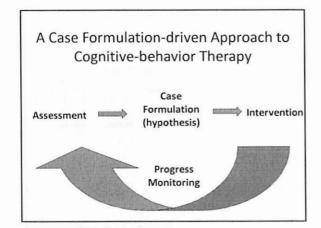
Conclusions

- Initial poor outcome led to additional assessment, which led to . . .
- Revised diagnosis and formulation, which led to . . .
- New treatment targets and interventions, which led to . . .
- · Ultimate good treatment outcome.

Using the Formulation and Progress Monitoring to Overcome Treatment Failure

Mr. "I might be making the wrong choice"

Persons, J. B. (1990). Disputing irrational thoughts can be avoidance behavior: A case report. the Behavior Therapist, 13, 132-133.



Jim

- · 24 year old white single male
- · just beginning graduate school
- attending a medium-rank university (not accepted to a top school)
- his father was chronically depressed and miserable at work

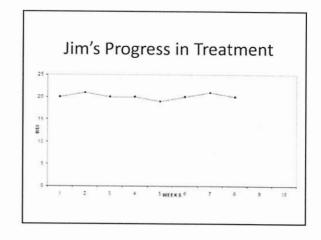
Symptoms

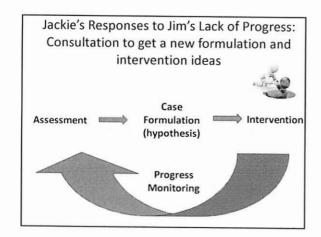
- Anxiety: anxious feelings, worry, fears of bad things happening, muscle tension, difficulty concentrating, fatigue
- Depression: sad and blue, feeling inadequate, self-critical thoughts, not enjoying things, insomnia

Initial Formulation and Treatment Plan . . .

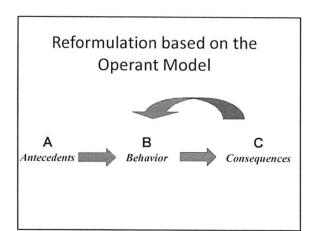
were based on Beck's cognitive model and emphasized restructuring of negative automatic thoughts

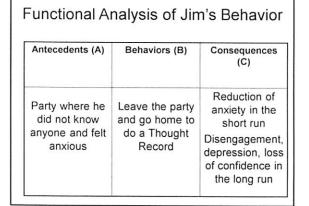
		0	t Rec	0.0	
Date	Situation	Behavior	Emotion	Thoughts	Coping Responses
	IN CLASS, FEELING BORED		ANXIETY DEP- RESSION	MAYBE I CHOSE THE WRONG SCHOOL. I CAN'T BE HAPPY HERE. MAYBE I SHOULD WITHDRAW AND APPLY AGAIN NEXT YEAR.	I CAN REVIEW MY DECISION IN A SYSTEMATIC WAY. ACTION PLAN: UST ADVANTAGES & DISADV OF STAYING HERE VS LEAVING.



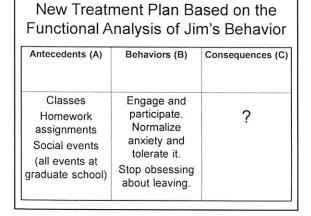


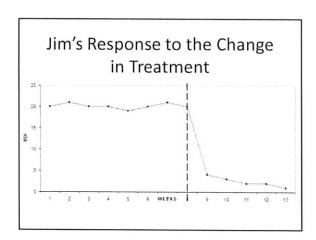
		nough	11100	2010	
Date	Situation	Behavior	Emotion	Thoughts	Coping Responses
	AT A PARTY		ANXIETY	I FEEL ANXIOUS. I DON'T FIT IN HERE. I CAN'T ENJOY THIS IF I FEEL ANXIOUS. I NEED TO LEAVE.	I CAN GO HOME TO DO A THOUGHT RECORD AND I WILL FEEL BETTER.













- Why do case formulation-guided CBT?
- Empirical foundations
- Formulation and intervention



• Progress monitoring



• Using the formulation and progress monitoring to guide treatment



EXERCISE

With your neighbor:

- 1. Review the goals you set for yourself. Did you meet them? (2 min)
- 2. Review your list of action items. (2 min)



THANK YOU!

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Readings on Case Formulation, Progress Monitoring, and Hypothesis-testing in Psychotherapy

- Gawande, A. (2007). The bell curve. In Better. (pp. 201-230). New York: Metropolitan Books.
- Hayes, S. C. (1981). Single case experimental design and empirical clinical practice. *Journal of Consulting and Clinical Psychology*, 49(2), 193-211.
- Haynes, S. N., & O'Brien, W. H. (2000). *Principles and practice of behavioral assessment*. New York: Kluwer Academic/Plenum Publishers.
- Kazdin, A. E. (2001). Behavior modification in applied settings (6th ed.). Belmont: Wadsworth/Thomson Learning.
- Kohlenberg, R. J., & Tsai, M. (1991). Functional analytic psychotherapy: Creating intense and curative therapeutic relationships. New York, NY: Plenum Press.
- Kuyken, W., Padesky, C. A., & Dudley, R. (2009). *Collaborative case conceptualization*. New York: Guilford.
- Lambert, M. J., Harmon, C., Slade, K., Whipple, J. L., & Hawkins, E. J. (2005). Providing feedback to psychotherapists on their patients' progress: Clinical results and practice suggestions. *Journal of Clinical Psychology*, 61, 165-174.
- Lewis, C. C., Boyd, M., Puspitasari, A., Navarro, E., Howard, J., Kassab, H., . . . Douglas, S. (2018). Implementing measurement-based care in behavioral health: A review. *JAMA Psychiatry*, E1-E12.
- Persons, J. B. (2007). Psychotherapists collect data during routine clinical work that can contribute to knowledge about mechanisms of change in psychotherapy. *Clinical Psychology: Science and Practice*, 14(3), 244-246.
- Persons, J. B. (2008). *The case formulation approach to cognitive-behavior therapy.* New York: Guilford.
- Persons, J. B. (2018). Simultaneous practice and research: A model for conducting research in private practice. In R. T. C. III (Ed.), *Practice-Based Research: A Guide for Clinicians* (pp. 153-169). New York: Taylor & Francis/Routledge.
- Persons, J. B., Beckner, V. L., & Tompkins, M. A. (2013). Testing case formulation hypotheses in psychotherapy: Two case examples. *Cognitive and Behavioral Practice*, *20*, 399-409.
- Persons, J. B., & Hong, J. J. (2016). Case formulation and the outcome of cognitive behavior therapy. In N. Tarrier & J. Johnson (Eds.), *Case formulation in cognitive behaviour therapy* (2nd ed., pp. 14-37). London: Routledge.
- Persons, J. B., & Mikami, A. Y. (2002). Strategies for handling treatment failure successfully. *Psychotherapy: Theory/Research/Practice/Training*, 39, 139-151.
- Persons, J. B., & Tompkins, M. A. (2007). Cognitive-behavioral case formulation. In T. D. Eells (Ed.), Handbook of psychotherapy case formulation (Second ed., pp. 290-316). New York: Guilford.
- Persons, J. B., Tompkins, M. A., & Davidson, J. (2000). *Cognitive-behavior therapy for depression: Individualized case formulation and treatment planning* [DVD]. Washington, DC: American Psychological Association.
- Turkat, I. D., & Maisto, S. A. (1985). Personality disorders: Application of the experimental method to the formulation and modification of personality disorders. In D. H. Barlow (Ed.), *Clinical handbook of psychological disorders: A step-by-step treatment manual.* (pp. 502-570). New York: Guilford.