

The Dog Ate My Homework: A Guide to Avoiding Relapse and Maintaining Adherence

David Cosio, Ph.D, ABPP



1

Title & Affiliation

David Cosio, PhD, ABPP Psychologist Jesse Brown VA Medical Center Chicago, IL

Painweek.

2

Disclosure

Dr. Cosio is speaking today based on his experiences as a psychologist employed by the Veterans Administration. He is not speaking as a representatives of or as an agent of the VA, and the views expressed are his own.



Painweek.

Learn	ina	Obi	ecti	ves

- Describe how noncompliance and nonadherence continue to be a serious
- Differentiate between the terms noncompliance, nonadherence, and relapse
- health coaching

Painweek.

4

Statistics Underscore the Need

- Approximately 125,000 people with treatable diseases die each year in US because they do not take their medication as prescribed
 10% to 25% of hospital & nursing home admissions result from uninitiated or incomplete prescribed treatment plans
- Clinical trials report average non-adherence rates of 43% to 78% among patients receiving medication for chronic conditions
- medication for chronic conditions

 Behavioral change interventions related to obesity, substance abuse, smoking cessation, and chronic pain have shown similar relapse rates following completion of treatment

 These statistics underscore need for a continued understanding of factors that impact treatment compliance, or adherence, & relapse in individuals with chronic pain

Sabate C. Adments in Long-term Theorytic Coldence to Action. General, Solvathed: Wood Hoalth Organization, 1993.

American College of Preview's Medicion Headation adments of Long-tim reference 241 Headation adments of Long-tim reference 241 Headation adments of Long-tim reference 241 Headation adments on Long-time and Long-time and Long-time and Long-time (In: Tax: 2001 Aug 23(8):1284-1310.

Brownel K.O., Markin G., Loldensiens P. Manno CT Understanding and preverting religion. Am Psycol. 1983 414(17):457-782.

Painweek.

5

Defining the Terms: Compliance

- Compliance- acting in accordance with advice of
- Historical use of term compliance has been criticized for its perceived unilateral demands on patient to comply or to obey
 Other experts recommend term "adherence" as
- an alternative



384. Lutley KE, Wishner WJ. Beyond "compliance" is "adherence". Improving the prospect of disheres care. Disheres Care. 1999 Apr;22(4):633-639. Walti C, Gregoire JP, Teo K, et al. Concordance, compliance and adherence in healthcare: closing gaps and improving outcomes. Mealth C, 2005;4(1):63-70.

Painweek.

Keep Your Boat Afloat!



Painweek.

7

Defining the Terms: Adherence



- Adherence- degree to which one consistently follows treatment plan over time
 Nonadherence would then describe a patient who discontinued a prescribed treatment program or medication prematurely
- Terms noncompliance & nonadherence, unfortunately, continue to be used interchangeably in literature
- However, in this presentation, we will proceed only using term 'adherence'

Painweek.

8

Variable Related to Nonadherence

- Past research has identified variables related to nonadherence, including:
 —demographic variables

 - uernugi apinu variables
 cultural issues
 incentives
 attitudes (denial)
 psychological variables (depression, dementia, & substance abuse)
- social support
 To date, researchers have not identified a key, single variable related to treatment adherence



Direction P. Social apport and galant adherence to medical treatment A meta-analysis. Health Psychol. 2004;5(2):207-218. Pointer J. Sonic J. Newmorth Assessing benefits of the pain contex Way some patient regions. Plan. 150(2):519-113. BOIC A Power E., Graph M. Edination shared of closing part in Visibilian shicking histories efficacy. Plan. 150(2):519-113. Medicanes V. Lee V. France F. e. et all Earlien to behavioral treatment adherence for headcade. Personnination of attitudes, belefs. J. Head Tacal Park. 100(3):50(1):161-131.

Painweek.

Λ	Mu	ı+i.		iata		_			۸h
А	wu	ILIV	ar	เลเเ	: A	O	Dr	oa	CH

- · A multivariate approach is recommended with following factors in mind:
- Patient-provider relationship
- rauent-provider relationship

 including approachability, shared medical decision making, & amount of provider supervision, trust, & mutual respect

 Inherent features of treatment regimen

 including complexity (treatment costs), intrusiveness (unpleasant side effects), duration, & patient knowledge of their condition

 Therapeutic environment

- including organizational structure, scheduling of appointments, continuity of care, and length of referral and wait times
 Characteristics of disease or injury
 such as recognizability of Illness & unpleasantness of symptoms

A Multivariate Approach

- Client beliefs
- -such as believed credibility of the treatment, pain beliefs, & attitudes toward pain
- Characteristics of patient
- -including prior experiences, identification of triggers, feelings of uncertainty, inconvenience, pessimism, motivation, & self-efficacy

 Social support
- -including qualities of patient social support system & degree of family conflict/cohesion

Standard R. Once Impact on principal principal information in a secondard in the control of the

Painweek.

11

How to Assess Adherence

- There have been many measures developed & criteria employed to assess patient adherence to a treatment plan
- One criterion proposed is that a minimum standard is necessary to be set to achieve a desired health benefit
- Adherence is generally measured as a continuum & should not be considered all-or-nothing
- Investigators have recommended use of multiple indicators of adherence





- may be easiest to obtain
- most frequently used
 easy to implement (interviews and self-
- monitoring)
- Behavioral measures
- most common method is medication adherence (pill counts or refills)
- activity levels (pedometers and actometers)
- attendance of sessions
- Biochemical indices
 - may be less subject to bias
 more expensive
 not available
- vulnerable to metabolic conditions

 Clinical outcomes
- suggested to be the best way - there is no linear association
- may also involve independent observers (family and friends)

Painweek.

13

How to Assess Adherence

- Frontline providers can formulate specific procedures for improving their own patients' participation:
 - -proactively assessing risk of nonadherence
 - -improving patient-provider relationship
 - -educating the patient on their condition
 -educating on effectiveness of treatment
- Educating about side effects
 It is important to customize treatment, enlist social support, and make use of other healthcare providers via referral or multidisciplinary care.
- For medication adherence, it is important to ensure patient understands medication & its side effects thoroughly

Melchenbaum D, Tur, D. Facilitating Treatment Adherence: A Practitioner's Guidebook. New York, NY: Plenum;1987.
Haynes R, Ackloo E, Sahots N, et al. Interventions for enhancing medication adherence. Cochrane Database Syst Rev. 2008;16.

Painweek.

14

When Relapse Occurs

- Relapse- a loss of treatment gains or regression to pre-treatment baselines
- One criterion for treatment program success is requirement that 30% to 70% of patients maintain gains, usually over 1-5 years
- 70% to 30% of patients will <u>not</u> meet criteria for long term improvement from 'successful,' perhaps best practices, gold-standard, treatment



Keele F, Gil K, Rose S. Behavioral approaches in

When	Rela	pse	Occi	ırs
------	------	-----	------	-----

- Approximately 1/3 of originally successful patients will relapse and return to pre-treatment levels or worse
- There is interest in better understanding variables related to treatment success & treatment relapse
 Some teams have identified:
 importance of long-term maintenance or skills

- experimented with length of treatment
 booster sessions

- booster sessions
 assessing and addressing high-risk situations that foster decline

 These strategies do not appear to resolve issue of relapse
 Chance for a relapse can be reduced if skills learned are generalizable, translatable to patient's life, & continuously reinforced
 Its valuable to develop & use treatments that enhance generalization of gains to interdependent aspects of wellness

Story C. Sew M. Marcard software. In the control of gain. A case to section a climateria on a dissense instrume. In Willesholdery M. Torsity B, etc. Pair: New Prespect Descript M. Sew M. Descript M. Ordination of Lordination and Control of the Co

Painweek.

16

How to Keep Patients Moving Forward

- There are evidence-based strategies providers can use to help maintain long-term gains in their pain management care:
 - -building therapeutic relationship
 - -motivational interviewing
 - -health coaching interventions
- Traditionally, a hierarchical, authoritarian approach was used in medicine
- It has since been evolving toward a more collaborative partnership between patient & provider
- It is based on mutual goals & a shared understanding of importance of medical problem
 Factored in are discussions around availability of effective treatments & risks if condition
- remains untreated or undertreated

Painweek.

17

Therapeutic Relationship

- Therapeutic relationship, or therapeutic alliance, is a psychotherapeutic common factor identified by Grencavage and Norcross
- It has been utilized in a recent meta-analysis as a factor that impacts behavioral treatment adherence in chronic headache patients
- Therapeutic relationship factors are characteristics of provider & patient that facilitate change
- Are considered a common factor across treatment types
 One must keep in mind that government health programs & private payers have adopted various reforms that fundamentally transform this relationship
 - For example, public reporting and payment reforms incentivize providers to improve quality & efficiency of care they provide to patients but may also induce providers to reject high-risk, treatment-resistant patients

Generawage L, Norocoss J. Where are the commonables among the therapeutic common factors? Prof Psychol ResPract. 1990;21:372–278.

Mannia J. Refusing to treat noncompliant patients is bad medicine. Cardozo Law Review. 2018;28:127. Available at: http://cardozolawneriew.com/j.2000.

Therapeutic Relationship

- Despite these barriers, frontline providers can build their patient relationships by employing: - Empathy
 - Warmth
 - Respect
 - Genuineness
 - Acceptance
 - Encouragement
 - Instruction

- -Communication For example, communication skills that reflect a nonjudgmental attitude, with an openness to explore patient's beliefs & concerns, enable cliniciaris to collaboratively negotiate treatment plans that will improve patient outcomes
- Research has shown that providers participating in brief communication skills training has improved outcomes in primary care settings for patients with fibromyalgia & acute pain

Painweek.

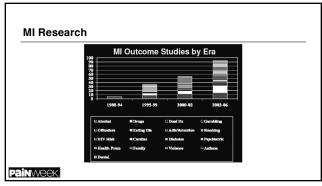
19

Motivational Interviewing

- Frontline practitioners may also want to be trained in & employ motivational interviewing (MI)
 MI was developed in early 1980s in treatment of alcohol & substance abuse
 MI is a patient-centered, directive technique, aimed at improving motivation & commitment of patients who may be ambivalent to achieve behavioral changes
 MI principles now applied to management of chronic conditions, such chronic pain
 It promotes patient's physical & psychological functions & maintains their compliance with exercise for coping with pain

Painweek.

20



NЛ	Otiv	/atio	nal	Into	rvio	win	~
IVI	OU	/auo	nai	me	rvie	win	u

- The approach aims to influences people in their initiation, intensity, and performance of a behavior, such as self-management skills for pain reduction
 This technique promotes physical and psychological function, and helps maintain compliance with exercise for coping with pain
- Shown to affect treatment outcomes such as in functional improvement and motivation to receive treatment

What Makes It Motivational Interviewing?

- Is a conversation about change

- 2. Has a particular purpose
 3. Is collaborative
 4. Honors autonomy and self-determination
 5. Is evocative

- Uses specific skills
 Is goal-oriented
- Attends to specific forms of speech
 Responds to change-talk in specific ways
 Responds to resistance



Painweek.

23

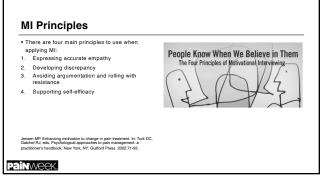
Readiness to Change

- Ambivalence is normal
- Change is nonlinear Readiness is not static
- Attend to readiness in work



Painweek.

Al Principles	MI Pyramid
Al Strategies	
-OARS	
 Open-ended questions 	
 Affirmations 	Strategies
 Reflective listening 	
Summaries	Principles
- Eliciting Change Talk	
MI Spirit	Spirit



26

Affirmations Affirmations are statements that recognize patient's strengths They assist in building rapport and in helping patient see themselves in a different, more positive light To be effective they must be congruent and genuine The use of affirmations can help patients feel that change is possible even when previous efforts have been unsuccessful Affirmations often involve reframing behaviors or concerns as evidence of positive patient qualities Affirmations are a key element in supporting self-efficacy

27

Sam	n la	Λf	firm			
Sam	ınıe	: AT	TITM	าลบ	ıor	ıs

Commenting positively on an attribute

- "You are determined to get your health back."
 A statement of appreciation
- "One can appreciate your efforts despite the discomfort you're in."
- "Thank you for all your hard work today."

— глалк уои гог ан уоит паго WOГК ТООВУ.*

Recognizing patient strengths and countering a defeatist attitude

— "It's impressive that you have been trying to quit despite all the stress you are going through."

Painweek.

28

Affirmation Pitfalls

- Focus on specific behaviors instead of attitudes, decisions, and goals
 Avoid using the word "I"

- Focus on descriptions and not evaluations
 Attend to non-problem areas rather then problems
- Think of affirmations as attributing interesting qualities to patients
- Nurture a competent instead of a deficit worldview of patient



Painweek.

29

What is Change Talk?

- Change talk is defined as statements by the patient revealing consideration of, motivation for, or commitment to change
 In MI, the provider seeks to guide the patient to expressions of change talk as the pathway to change
- Research shows that the more someone talks about change, the more likely they are to change
 There are different types of change talk



Painweek.

Preparatory Language - Desire to change - "This is not the person I want to be." - Ability to change - "I know what I have to do-I just need to do it." - Reasons for change - "I would be nice if I didn't have to worry so much." - Need to change - "I've got to make things better." Mobilizing Language - "Ommitment - "I will make (specific) changes." - Activation - "I am prepared and willing to make changes." - Taking steps - "I went to the store, bought some vegetables, cleaned and cut them up, and have them in my fridge for snacks."

31

Eliciting & Strengthening Change 1. Ask evocative questions - an open-ended question, answer to which is likely to be change talk 2. Ask for elaboration - ask for more details when change talk is present 3. Use extremes - what are worsubest things that might happen if they don't make this change? 4. Looking back - ask about a time before target behavior emerged and how different 5. Looking forward - ask what may happen if things continue as they are 6. Exploring goals - ask patient what they want in life. Ask how continuation of target behavior fits in with patient's goals.

32

Assessment/Feedback of Change Readiness Rulers: • "On a scale from 1 to 10, how important is it to you to change (specific behavior), where 1 is not important and 10 is very important?" • "And why are you at __ and not __ (a lower #)?" • "How conflident are you that you could make the change if you decided to do it?" • "And why are you at __ and not __ (a lower #)?"

The Key Question

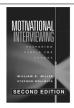
What is next?

- "Given what you told me, what do you think you will do next?"
- "Where do you think you would like to go from here?"
- "What's your next step?"



34

MI Resources





Painweek.

35

Health Coaching

- Health coaching interventions have also been reported to improve health outcomes for individuals with chronic diseases, including chronic pain
 These interventions, commonly referred to as 'life coaching' or 'wellness coaching,' typically lack definitional clarity, which has made it difficult to study or compare coaching interventions
 Health coaching is a patient-centered approach where patients use self-discovery combined with educational content to work toward their desired goals & self-monitor their behaviors to increase accountability with their coach
 Most forms of coaching build solutions, focus on goal attainment, and are based on core assumption that people have an innate capacity to grow

Painweek.

What Does a Health Coach Do?

Health coaches:

- partner with clients seeking self-directed, lasting changes, aligned with their values, which promote health & wellness
 enhance well-being
- display unconditional positive regard for their clients & a belief in their capacity for change
- honor that each client is an expert on their life
- ensure that all interactions are respectful & non-judgmental



Curlis, B. & Ahney, L. (2017). How Pain Management Coaching Impacts Pain O 2017. ** International Consortium of Health & Wellness Coaches (ICHWC). Available at: https://www.ninkoa.com/international-consortium

Painweek.

37

Health Coaching

- Health coaching is designed to:

 help clients thrive despite physical & emotional challenges

 stop something that may be harmful

 start something that can improve health

 offer a stimulus that is often impossible for client to acquire by themself

 help individuals who get stuck in unhealthy ways of thinking and doing

 provide support that eventually improves motivation

Curtis, B. & Abney, L. (2017). How Pais Management Coaching Impacts Pain Oa Presented at PaistWeek 2017. International Consortium of Health & Wellness Coaches (ICHWC). Available at: https://www.whitoo.zem/international-consortium.



Painweek.

38

Based on Evidence

- Motivational Interviewing
- Transtheoretical Model of Change
- Appreciative Inquiry
- a philosophy & an approach for motivating change that focuses on exploring & amplifying strengths
- Has 5 guiding principles

 - Positive Principle
 Constructionist Principle
 Simultaneity Principle

 - Anticipatory Principle
 Poetic Principle





Painweek.

Based on Evidence

- Maslow Hierarchy of Need

- Masiow reletating of Need
 Self Regulation Theory
 a complex & dynamic set of processes involved in setting & pursuing goals
 feedback & self-monitoring play a critical role in self-regulatory processes
 goals are arranged hierarchically in a series of means-ends relationships
 Self Determination Theory

- sell Determination Theory

 represents a broad framework for study of
 human motivation & personality

 an organismic dialectical approach with
 assumption that people are active organisms,
 with evolved tendencies toward growing,
 mastering ambient challenges, & integrating
 new experiences into a coherent sense of self



Painweek.

40

Conclusion

- Pain practitioners often face challenges related to noncompliance & nonadherence to treatment plans & medication regimens
- Relapse may be expected in some patients
- Long-term gains can be made by strengthening patient-provider relationship & using patient-centered education tools such as motivational interviewing & health coaching



Painweek.

41

Practical Takeaways

- Noncompliance & nonadherence continue to be an important concern in field of pain management, with many factors at play
- Approximately 1/3 of originally successful patients will relapse & return to pretreatment levels or worse
- Adherence can be improved with patient education about:
- -their condition
- -effectiveness of treatment
- -side effects
- -importance of treatment plan for specific condition

■ Email: david.cosio2@va.gov	DAIN
Phone: 312-569-8703 Facebook: DrDavidCosio	PΔIN
	DAVID COSIO, Pada, ASPP