Motivational Interviewing (MI): An update on the research

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Learning Objectives

- At the end of this session, participants should be able to:
  - Discuss research on the effectiveness of MI in helping people change behaviors
  - Describe the different components of MI that can explain its effectiveness
  - Name newer and evolving MI principles and practices
  - Identify training that can help practitioners develop competence in practicing MI
No conflicts to disclose
Discussion of the evidence on the effectiveness of MI
In general

- Across many studies and 10 reviews MI is strongly supported in that it shows a consistent, but usually moderate effect in promoting a variety of behavior change when compared with advice, and no treatment controls
Heterogeneity

- Type of intervention
- Focus of intervention
- Number of encounters
- Type of providers
- Extent of MI training
- Adherence to MI
- Outcome measurements
MI is shown to be effective for many health behaviors (Hettema et. Al. 2005) (N=72 Clinical Trials)
MI: A systematic review and meta-analysis (Rubak et. Al. 2005)

- 71 Studies
  - Small but significant combined effect
    - Reducing BMI
    - Reducing systolic blood pressure
    - Improving total blood cholesterol
  - Non significant effect
    - Reducing number of cigarettes
    - HBA1c
MI In Promoting Health Behaviors (Martin and McNeill, 2009)

- Modifying diet and exercise (24 studies)
  - Overall but not ubiquitous positive effect
  - Both alone and has combined with other interventions
  - Increased self efficacy, decreased BMI, increased physical activity

- Diabetes (9 studies)
  - Effective in controlling glucose, decreasing weight, dietary changes

- Oral health (4 studies)
  - Small positive effect, more research needed
Does MI improve outcomes (Berkowitz and Johansen, 2012)

- Recent comment in Archives of Internal Medicine
  - Some significant effects different health behaviors
  - Additional and improved studies needed
  - Question about relative effectiveness of peer health counseling, automated technologies, and motivational strategies

  - Large telephone MI study
  - 1000 each arm, average age 78
  - No significant effect from MI
USPHS Guidelines Treating Tobacco Use and Dependence

- Unclear if MI increases abstinence

- Does increase likelihood of a person making a quit attempt
  - With those unmotivated to make a quit attempt
  - Even people with schizophrenia (Steinberg et. Al.)
MI and Smoking (Lai et. Al. 2010)

- 14 Studies included involving 10,000 smokers

  - Modest but significant effect relative to usual care
    - Quit rates relatively low
      - 11.5% compared with 7.5% control

  - Longer, > 20 minutes seems more effective
Change

- It is hard – ‘breaking habits takes an application of energy’

- Persistence, energy, and direction of behavior toward a goal
  - Choice of goal
  - Volition toward goal
  - Capacity, energy, strategies
  - Reward from effort
Ambivalence is normal

- Ambivalence refers to feeling two ways about a behavior.
- Getting stuck in ambivalence is common and should be expected.

I know I should exercise more, but I just don’t have the time.
MI A pragmatic definition (Miller, 2010)

- MI is a person-centered counseling method for addressing the common problem of ambivalence about behavior change
MI is a collaborative goal-oriented method of communication with particular attention to the language of change. It is intended to strengthen personal motivation for and commitment to a target behavior change by eliciting and exploring an individual’s own arguments for change.
Essential elements

- What is and isn’t MI

- Can it be MI without
  - Engaging: No
  - Guiding: No
  - Evoking: No
  - Planning: Yes
Why is MI?

- Relational aspect
  - Ambivalence is resolved through empathy and a spirit that instills capability

- Technical aspect
  - Ambivalence is resolved through the selective reinforcement of a client’s thoughts and commitment for change
Why does it work

- Relationship accounts for change (thesis A)
- Increasing change talk accounts for change (thesis B)
Evidence for Thesis A

Findings that preceded MI:

- The work of Carl Rogers
- Counselors are a major determinant of client change
- Counselor empathy predicts client change outside MI
- Small acts of caring (a phone call, a note) can strongly impact outcomes
Aesop

http://www.youtube.com/watch?v=PhQTCU8nr-U
Evidence for Thesis A:
Readiness Occurs in Relationship

Without teaching directive MI:

- Working alliance predicts client change
- Unilateral family intervention works
- Counselor empathy predicts client change in behavior therapy
- Eliciting specific implementation intentions predicts behavior change
Support for Thesis B

- Increasing client change talk (particularly commitment language) promotes behavior change
- Stated implementation intentions predict behavior (Gollwitzer)
- Client resistance fosters no change

Thus: Elicit and reinforce change talk, not resistance
A Synthesis

- The resolution of ambivalence is promoted by accurate empathy

  and

- Resolution of ambivalence in a particular direction is influenced by the counselor’s differential reinforcement of client speech
Three elements to the spirit of MI: collaboration, evocation, autonomy

...there are 4 General Principles that are evolving in MI 3
Principles

- Express Empathy
- Support Self Efficacy
- Develop Discrepancy
- Roll with Resistance
Principles of MI are evolving: RULE

- Resist the righting reflex
- Understand your client’s motivation
- Listen to your client
- Empower your client
The power of the provider’s response....

How we react to resistance and ambivalence determines whether it will increase or resolve.
What I represent to the patient is based upon the patient’s expectations and past experiences in similar circumstances.
Create a relationship where we look at things together
Behaviors that increase resistance

- Convince client about ‘problem’
- Argue for benefits of change
- Telling client how to change
- Warning about consequences of not changing
Battling Assumptions: Hypothesis testing and reflective listening

- I don’t like structure
- You mean that…..
  - You like things free flowing
  - You don’t like being told what to do
  - You enjoy free time
  - You don’t want to be in a program
  - You feel too confined here
- I am a friendly person
  - You make friends easily
  - People don’t see how warm you really are
  - You’re not sure why people sometimes don’t like you
  - You try your best to be friendly to others
  - You like people
Reflective listening

- Sometimes I get too down on myself
- You mean that
  - You are overly critical of yourself
  - There are times that you are very discouraged
  - You’re wanting to change how self critical you are of yourself
  - You could be more fair to yourself
Methods for Evoking Change Talk

- Asking evocative questions
- Elaborating
- Looking forward or back
- Exploring goals and values
Training in MI

- What are the key elements

- Minimal requirements

- Fidelity
References

- **Reviews and Meta analysis**


**MI and Smoking**


**MI Theory**


MI Training


Other References

Seigel D. The Mindful Therapist (2010)