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- The Immersion Training in Addiction Medicine Program

Brief Intervention Efficacy

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Boston Medical Center is the primary teaching affiliate of the Boston University School of Medicine.



"You are drinking more than is safe for your health."

What is Brief Intervention?

- 10-15", empathic, nonconfrontational
- Feedback
 - Ask permission
 - Ask what patient thinks of it
- Advice (clear)
- Goal setting
 - Negotiate
 - Menu of options
 - Support self-efficacy
- Follow-up

Saitz R. N Engl J Med 2005;352:596-607.

"My best medical advice is that you cut down or quit."

> "What do you think? Are you willing to consider making changes?"

Table 4. Brief Counseling and Referra

How to Advise or Refer Patients

Elicit information about how the patient views the problem.

- Express concern and provide clear advice regarding the ideal goal (abstinence or reduced consumption for those with nondependent alcohol use, achieved through brief counseling; abstinence for patients with alcohol dependence).²
- Provide specific feedback about alcohol consumption in comparison with population norms, and link existing problems to alcohol use when appropriate, to make information relevant to the patient.
- Express empathy, let the patient know you believe that change is possible, and acknowledge that it is the patient's responsibility to change

When the patient expresses interest or gives permission, provide info mation, including a menu of options, about how to change.

Anticipate and discuss situations in which the patient feels at risk for drinking excessively, and talk about strategies to avoid drinking

141 (P. 15)

Examples or Explanations

"What do you think about your drinking? Are you ready to make a change in your alcohol use? How confident are you that you could cut down if you wanted to?"

"I am concerned about your drinking; my medical advice is that the healthiest choice for you is to cut down or abstain."

"Ninety-three percent of adults drink less than the amounts you report drinking. You mentioned your heartburn is worse when you drink. Alcohol is probably causing your heartburn."

"The fact you were able to quit before for a week tells me you can do it again. But it must be difficult. It is up to you to make these changes."

mese changes. "Would you like information on how to cut down or abstain? Other people have found a range of options helpful, such as keeping a drinking diary, counseling, and mutual-help groups. What do you think about these?"

"What ways might help you avoid drinking excessively when you go out with friends who drink?" Have the patient keep a drinking diary (including the number of drinks consumed per day).







RANDOMIZED TRIALS OF SCREENING AND BRIEF INTERVENTION VS. NO SCREENING

NONE





EFFICACY OF ALCOHOL BI VS. NO BI

- Efficacious: 10-15" multi-contact
 - <u>></u>23 original RCTs,* 9 systematic reviews, primary care, non-dep, screen id'd
 - Lower proportion of drinkers self-reporting risky amounts
 - 57% vs. 69% at 1 year (n=2784)**; 11% risk diff (n=5973)*
 - Lower self-reported consumption (n=5639)
 - by 15% (38 grams per week)(n=5639)***; 3.6 drinks/wk (n=4332)*
 - Accidents, injuries, liver problems, hospital/ER/primary care use, legal problems, quality of life: insufficient evidence*
 - Decreased hospital utilization (<u>>2 RCTs</u>)
 - Cost-effective (spend \$166, save \$546 medical, \$7780 society)
 - Decreased mortality (RR 0.47)(4 RCTs (n=1640)
 - Prevention of disorder no evidence

*Jonas DE et al. Ann Intern Med 2012;157:645-54. Kaner et al. Drug and Alcohol Review 2009;28:301–23 **Beich et al. BMJ 2003;327:536 ***Bertholet et al. Arch Intern Med. 2005;165:986 Kristenson H, et al. Alcohol Clin Exp Res 1983;7:203 (mortality, 3-16 yrs) Fleming MF et al. Alcohol Clin Exp Res. 2002;26(1):36-43 (cost) Cuijpers et al. Addiction 2004;99: 839–845 (mortality)



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SETTING

- Evidence is mixed for emergency and hospital
- Most people identified by screening in hospitals have a mod/severe disorder
- Different expectations and goals
 - Comprehensive care?
 - Preventive care?
 - Longitudinal care? Long-term therapeutic alliance?
 - Teachable vs. learnable moments?

Belen Martinez et al INEBRIA 2007 Saitz et al. Ann Intern Med 2007;146:167-76 Frever-Adam J et al. Drug Alcohol Depend 2008 Bischoff G et al. Drug Alcohol Depend 2008 Bischof et al. Int J Pub Health 2010 Saitz et al. Int J Pub Health 2010



McQueen J. Cochrane review 2011 D'Onofrio RCTs; Schmidt CS. Et al. Addiction, 2016;111: 783-794 Very small effect (meta-analysis). Gentilello et al 1999 and subsequent studies





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puapuadap

SBI FOR DRUGS IN ADULTS

	Study	Result	Setting.
	Bernstein 2005	5-9% incr coc/her abst	10
	Zahradnik, Otto	Less addictive rx use	of the authors and JAMA
	WHO (Humeniuk)	7% diff in score (ent the opinions of a Medican hose of the American Medican
	Woodruff	Eaire and ite	1
	Saitz	d Refet	Tal
Opi	hion	ontion and Car	2
	CDITORIAL	of Interven primar,	70 F/U
	coreening and F	or Drug Use In or Drug Board	F/U; Combined, repeated; some urine tests
	Bi Screatnice	rawine _ys (es 0.2)	ED; 81% F/U; urine testing
	Fie Back to the	Jant put on slide but I will tell	Large trauma bio testing
	Ralph Hingson, 32		RE BOSTON MEDICAL BU School of Medicine

EXCEPTIONAL CARE, WITHOUT EXCEPTION.

YOUTH DRUG SBI RCTS: PROMISING

- n=59 adolescents in primary care in Brazil-decreased MJ and stimulant use and problems
- 2 Decreased marijuana use by adolescents in the emergency department in a pilot study (n=210)
- ③ Decreased cannabis problems and drug use (computer BI) and cannabis DUI (therapist) by adolescents in primary care (n=328)
- Computer (but not therapist) BI prevented cannabis (17% vs 24%, 1 yr) use in adolescents in primary care (n=714)

DeMicheli D et al. Rev Assoc Med Bras 2004; 50(3): 305-13 Bernstein E et al. Acad Emerg Med 2009; 16: 1174-85 Walton MA (Blow) et al. Drug Alcohol Dependence 2013;132;646-53. Walton MA (Blow) et al. Addiction 2013;109:786-97.





Original Investigation

Emergency Department-Initiated Buprenorphine/Naloxone Treatment for Opioid Dependence A Randomized Clinical Trial

Gail D'Onofrio, MD, MS; Patrick G. O'Connor, MD, MPH: Michael V. Pantakon, PhD, Marrik C. Chawarski, PhD Susan H. Busch, PhD; Patricia H. Owens, MS; Staven L. Bernstein, MD; David A. Fiellin, MD

IMPORTANCE. Opioid-dependent patients often use the emergency department (ED) for medical care.

OBJECTIVE: To test the efficacy of 3 interventions for optoid dependence; (0 screening and referral to treatment (referral); (2) screening, brief intervention; and facilitated referral to community-based treatment services (brief intervention); and (3) screening, brief intervention, ED-initiated treatment with bioprenocphine/halosone, and referral to primary care for 10-week follow-up to bioprenocphine).

DESIGN, SETTING, AND PARTICIPANTS A randomized clinical trial involving 329 opiold-dependent patients who were treated at an urban treaching hospital ED from April 7

(screen), TREAT AND REFER (vs SBI vs S...RT)...

LN OUTCOMES AND MILASURES. Excellment in and receiving addiction treatment, 30 days er randomization was the primary outcomes. Self-insported days of flict optioid use, urther tring for illicit optioids, human immunoide/ficiency virus (HIV) risk, and use of addiction atment services water his suproduce verticemes.

✓ increased engagement in addiction treatment (78% vs 41%),
✓ reduced self-reported illicit opioid use (5 to 1 vs 2 days/wk)
✓ decreased use of inpatient addiction treatment services
✓ did *not* decrease the rates of urine samples positive for opioids

*34% seeking treatment, 9% overdose, 73% past drug treatment

JAMA. 2055.313(16).1636-1644. dist30.1009/jama.2015.3474

(*e.g. Terrific! Though not SBIRT)

CONCLUSIONS AND RELYAVANCE Anongo genetic dispendence patients, E Development Depression of the patient of the patient of the patient of signation of the patients and the patient of the patient set of the patients addiction institutes pervises and all on a patient of the patient of the patients of units of the patients addiction institutes for operating the patient of the patients for an operating the patients of units and the patient possible for the patient of the patient of the patients for the patient of units handplate built before possible for operating the patient of the patien

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D'Onofrio et al. JAMA 2015





SBI DRUGS

- Harder to change a behavior that is not socially sanctioned yet being done or that is not particularly problematic from the patient's perspective
- Injection, heroin, rx drugs cocaine, MJ, qualitatively different
- Other reasons to ask/intervene
 - interactions/safety, diagnoses, help-seeking/recognized
- Need better ways to address in general medical settings...repeated BI and/or just treat







BMJ BMJ 2013;346 x8501 doi: 10.1136 bmj x8501 (Published 9 January 2013) Page 1 of 14 RESEARCH Effectiveness of screening and brief alcohol

intervention in primary care (SIPS trial): pragmatic cluster randomised controlled trial





Kaner et al. BMJ 2013;346:e8501 doi: 10.1136/bmj.e8501



"Tve heard the saying, but I never thought it was something that could actually happen."





SUMMARY/IMPLICATIONS

- Brief intervention involves feedback, advice and goal setting
- Among those identified by screening, the best evidence for efficacy is for reducing self-reported alcohol consumption in primary care settings
 - Efficacy for disorders, drugs and in acute care settings limited
- Likely effective for health behaviors (e.g. drug use) among those seeking your help
- Feasible in general health settings
- Can be done by generalists
- Repeat or just treat





BEST ADVICE

- Abstinence
 - Failed attempts at cutting down
 - Dependence
 - Pregnancy/preconception
 - Contraindicated medical condition or medication
- Cutting down
 - Risky or problem use





"Beyond Screening"

 Determine the patient's perception of his/her use, both the need and perceived ability to change behavior

Example: "Do you think your drug use is a problem?"

 Assess the patient's stage of readiness to change behavior

Samet, JH, Rollnick S, Barnes H. Arch Intern Med. 1996;156:2287-2293.





FEEDBACK

Provide personalized feedback and state your concern.

- GGT
- drinking data
- risky behaviors
- consequences





ADVICE

Make explicit recommendation for change in behavior

- Emphasis on personal RESPONSIBILITY for change
 - "...it's up to you to decide..."
- Give them a menu of options
- Use an EMPATHIC counseling style





GOAL SETTING

Discuss patient's reaction and negotiate plan.

- Enhancement of SELF-EFFICACY
- Reinforce it, state your belief they can do it
- Give example of patient's past success





Precontemplation

→Goal is to raise doubt, increase perception/ consciousness of problem

- →express concern
- \rightarrow state the problem non-judgmentally
- \rightarrow agree to disagree
- \rightarrow advise a trial of abstinence or cutting down
- \rightarrow importance of follow-up (even if using)
- \rightarrow less intensity is better





Contemplation

\rightarrow Goal is to tip the balance

- \rightarrow elicit positive and negative aspects of drinking
- \rightarrow elicit positive and negative aspects of not drinking
- →summarize (patient could write these down)
- →demonstrate discrepancies between values and actions
- \rightarrow advise a trial of abstinence or cutting down





Determination

- →Goal is to help determine the best course of action
 - \rightarrow working on motivation is not helpful
 - →supporting self-efficacy is (remind of strengths-i.e. period of sobriety, coming to doctor)
 - \rightarrow help decide on achievable goals
 - \rightarrow caution re: difficult road ahead
 - →relapse won't disrupt relationship





Action

\rightarrow Goal is to help patient take steps to change

- →support and encouragement
- →acknowledge discomfort (losses, withdrawal)
- \rightarrow reinforce importance of recovery





Maintenance

- →Goal is to help prevent relapse
 - →anticipate difficult situations (triggers)
 - \rightarrow recognize the ongoing struggle
 - \rightarrow support the patient's resolve
 - →reiterate that relapse won't disrupt your relationship





Relapse

 \rightarrow Goal is to renew the process of contemplation

- \rightarrow explore what can be learned from the relapse
- →express concern
- →emphasize the positive aspects of prior abstinence and of current efforts to seek care

→ support self-efficacy





Brief Counseling Interventions: Summary

- Assess to determine best advice
- Assess readiness to change
- Counsel including known effective elements of brief intervention
 - Feedback, advice, goal setting



