

Screening, Brief Intervention & Referral to Treatment (SBIRT): Applications in Pain Management & Opioid Addiction

Susie Adams, PhD, PMHNP/CNS-BC, FAANP
Professor & Director PMHNP Program - Vanderbilt University

Diane Snow, PhD, PMHNP-BC, FAANP
Professor & Director PMHNP – University of Texas, Arlington

Objectives

Participants will be able to discuss and critically appraise:

- Brief overview of SBIRT as an evidence-based practice in primary care and emergency settings.
- SBIRT CPT and ICD-9 Codes for billable services.
- Modified SBIRT in chronic pain management
- Additional screening and monitoring tools for patients with chronic pain: SOAPP, ORT, PADT, COMM
- Case study of chronic pain patient (time permitting)

SBIRT

- Initially developed for ETOH screening and brief intervention in primary care settings
- Expanded to include routine screening for ETOH, tobacco, illicit & prescription drug abuse
- Targets adult primary care with a key goal of increasing screening for illicit drug abuse
- Provides a clinician-friendly guide to support screening and brief intervention
- Strengthens clinicians' ability to discuss screening results with patients

SBIRT

Comprehensive, integrated, public-health approach to screening, early intervention and treatment for people with full spectrum of unhealthy substance use.

- Stages of Change (Prochaska & DiClemente)
- Motivational Interviewing
- FRAMES
 - Feedback
 - Responsibility
 - Advice
 - Menu of change options
 - Empathy
 - Self efficacy



Screening and Brief Intervention (SBI) for Drug Use in Primary Care Settings: Resource Guide for Providers

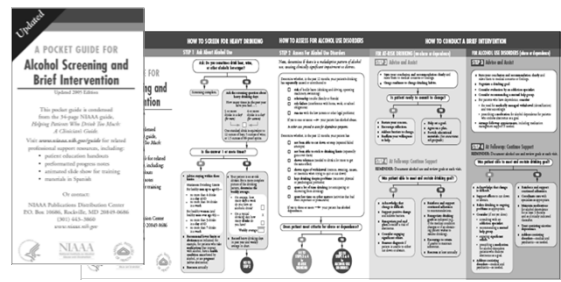
- Introduction
- Before You Begin
- Screening and brief intervention for drug use
 - Step 1: Ask about drug use
 - Step 2: Screen for substance use disorders
 - Step 3: Discuss results & conduct brief intervention
 - Step 4: Offer continuing care at follow-up visits

- Appendices
 - Support Materials
 - Frequently Asked Questions
 - Glossary of Terms

<http://m.drugabuse.gov/sites/default/files/resourceguide.pdf>

NIDA Screening Resource Pocket Guide

Pocket Guide provides a step-by-step format & supporting material



Evidence of SBIRT Efficacy in ED Settings

Evidence suggest that acute subcritical injury may be an important motivator for patients to disclose drinking habits and reduce drinking –thus the time of the ED visit may be a valuable teachable moment.

- Reduced alcohol consumption
- 47% reduction in injuries requiring ED visits
- 48% reduction in injuries requiring hospital admission
- Reduced health care costs

Evidence of SBIRT Efficacy in PC Settings

- A meta-analysis suggests an overall reduction of 56% in number of drinks
- The effect size for motivational intervention of *all types* ranged from 0.25 to 0.57, with participants followed from 3 to 24 months

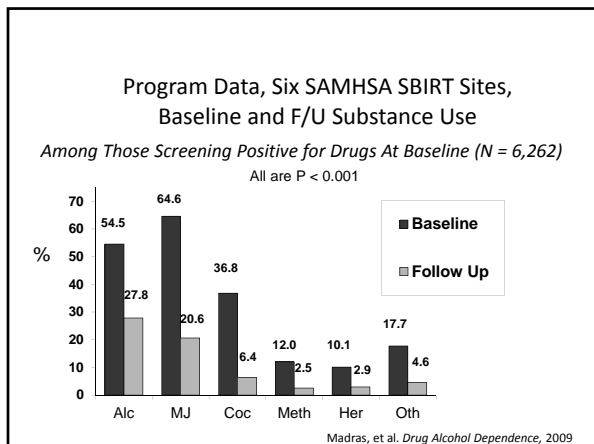


Burke et. al., 2003


SAMHSA Demonstration Program for SBIRT: Comparison of intake and 6 month follow up

Madras, et al. Drug and Alcohol Dependence 99 (2009) 280–295

- Federally SBIRT programs in six states across a range of medical settings
 - Emergency/trauma departments, primary care centers, hospital inpatient/outpatient settings
- Patients screened and offered interventions
 - Brief intervention, brief treatment, referral to specialty treatment
- Six months follow-up on those screening positive at baseline



**Summary of NIDA's SBIRT Efforts
in General Medical Settings**



- SBIRT is efficacious for alcohol and tobacco; evidence for illicit drugs is *promising* but not yet sufficient
- NIDA has numerous initiatives to enhance the evidence base in next few years, and to disseminate SBIRT training to medical professionals

SBIRT – CPT Codes

- CPT Codes for SBIRT approved in 2008
- Reimbursement in 13 state Medicare and Medicaid programs and counting (NIDA, 2009)
- Reimbursement by 71 commercial carriers (NIDA, 2010)
- <http://www.samhsa.gov/prevention/sbirt/coding.aspx>

Barriers to CP Management

- Providers concerns of CP patients' misuse or addiction to benzodiazepines (used as muscle relaxants) and opioids (pain).
- Providers limited knowledge of assessment or screening for alcohol or controlled substance abuse.
- Providers limited knowledge of managing risk associated with controlled substance use for pain.

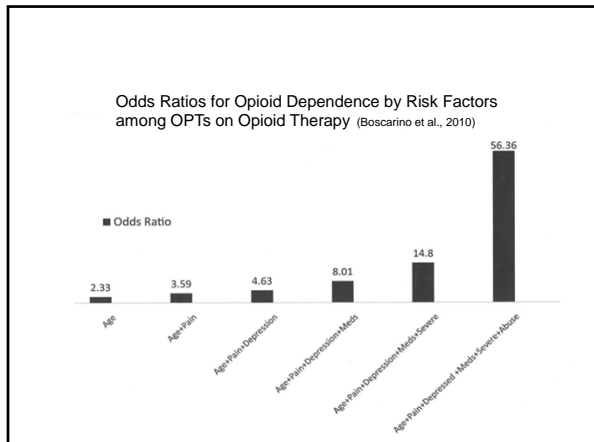
Who is at risk for opioid dependence / addiction?

Multivariate Logistic Regressions Predicting Life-time and Current Prescription Opioid Dependence Based on DSM-IV Criteria (n = 705).^a

Predictor variables	Model 1: life-time dependence*			Model 2: current dependence**		
	OR	95% CI	P-value	OR	95% CI	P-value
Less than 65 years old	2.80	1.83–4.28	<0.001	2.33	1.55–3.53	0.001
Pain interferes-life/work	1.94	1.21–3.10	0.010	1.54	0.94–2.50	0.079
History of opioid abuse	3.95	2.39–6.53	<0.001	3.81	2.56–5.67	<0.001
Hx high dependence	3.00	1.58–5.69	0.003	1.85	1.38–2.46	0.001
Opioid orders past 3 yrs	1.75	1.18–2.58	0.009	-	-	-
+ screen antisocial PDO	1.44	1.09–1.91	0.015	-	-	-
Hx major depression	-	-	-	1.29	1.05–1.60	0.022
Current use psych Rx	-	-	-	1.73	1.21–2.47	0.006

^aAll results adjusted/weighted for response bias and data clustering. *Area under ROC curve = 0.79; Hosmer-Lemeshow² = 4.3; P = 0.75. **Area under ROC curve = 0.77; Hosmer-Lemeshow c2 test = 13.1; P = 0.11. CI: confidence interval; OR: odds ratio.

Boscarino, JA, et al., (2010). Risk factors for drug dependence among out-patients on opioid therapy in a large U.S. health-care system. *Addiction*, 105, 1776-1782.



The CAGE Questions Adapted to Include Drugs
CAGE-AID

1. Have you ever felt you ought to **C**ut down on your drinking or drug use?
2. Have people **A**nnoyed you by criticizing your drinking or drug use?
3. Have you ever felt bad or **G**uilty about your drinking or drug use?
4. Have you ever had a drink or used drugs first thing in the morning as an **E**ye opener to steady your nerves or to get rid of a hangover?

Adapted with permission from Brown RL, Rounds LA. Conjoint screening questionnaires for alcohol and other drug abuse: criterion validity in a primary care practice. Wisconsin Medical Journal 1995;94:135-40.

The CAGE Questions Adapted to Pain Medication Use
CAGE-AID-Pain Rx

1. Have you ever felt you ought to **C**ut down on your pain medication use?
2. Have people **A**nnoyed you by criticizing your pain medication use?
3. Have you ever felt bad or **G**uilty about your pain medication use?
4. Have you ever had to **E**xceed the recommended 24 hour limit of pain medication or use **E**xtra or **O**ther medication to manage your pain?

Modified by S. Adams, PhD, PMHNP in clinical setting. This modified tool has not yet been psychometrically tested for validity & reliability (2011).

Practice Guidelines for Use of Chronic Opioid Therapy for Pain Management

- Balancing Clinical and Risk Management Considerations for Chronic Pain Patients on Opioid Therapy (CME Monograph)
http://www.aafp.org/online/etc/medialib/aafp_org/documents/news_publications/mono/painmono/chronicpain.Par.0001.File.tmp/painmono.pdf
- Clinical Guidelines for the Use of Chronic Opioid Therapy in Chronic Non-cancer Pain.
 (Chou, Fanciullo, Fine et al. *Journal of Pain*, 2009;10(2):113-130.)

Additional Risk Assessment Tools

- Pain Education Information
<http://www.painedu.org/index.asp>
- SOAPP-R
 Screener and Opioid Assessment for Patients with Pain – Revised⁷
http://www.painedu.org/load_doc.asp?file=SOAPP-R.pdf
- ORT
 Opioid Risk Tool⁸
<http://www.painknowledge.org/physiciantools/ORT/ORT%20Physician%20Form.pdf>

SOAPPE-R

The following are some questions given to patients who are on or being considered for medication for their pain. Please answer each question as honestly as possible. There are no right or wrong answers.

	Never	Seldom	Sometimes	Often	Very Often
	0	1	2	3	4
1. How often do you have mood swings?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. How often have you felt a need for higher doses of medication to treat your pain?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. How often have you felt impatient with your doctors?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. How often have you felt that things are just too overwhelming that you can't handle them?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. How often is there tension in the home?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. How often have you counted pain pills to see how many are remaining?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. How often have you been concerned that people will judge you for taking pain medication?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. How often do you feel bored?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. How often have you taken more pain medication than you were supposed to?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. How often have you worried about being left alone?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. How often have you felt a craving for medication?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. How often have others expressed concern over your use of medication?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

COMM™

Please answer each question as honestly as possible. Keep in mind that we are only asking about the past 30 days. There are no right or wrong answers. If you are unsure about how to answer the question, please give the best answer you can.

	Never	Seldom	Sometimes	Often	Very Often
	0	1	2	3	4
1. In the past 30 days, how often have you had trouble with thinking clearly or had memory problems?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. In the past 30 days, how often do people complain that you are not completing necessary tasks? (i.e., doing things that need to be done, such as going to class, work or appointments)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. In the past 30 days, how often have you had to go to someone other than your prescribing physician to get sufficient pain relief from medications? (i.e., another doctor, the Emergency Room, friends, street sources)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. In the past 30 days, how often have you taken your medications differently from how they are prescribed?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. In the past 30 days, how often have you seriously thought about hurting yourself?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. In the past 30 days, how much of your time was spent thinking about opioid medications (having enough, taking them, dosing schedule, etc.?)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

©2008 Infection, Inc. Permission granted solely for use in published format by individual practitioners in clinical practice. No other uses or alterations are authorized or permitted by copyright holder. Permission questions: Patricia@infection.com. The COMM™ was developed with a grant from the National Institutes of Health and an educational grant from Envy Pharmaceuticals.

COMM™

Please answer each question as honestly as possible. Keep in mind that we are only asking about the past 30 days. There are no right or wrong answers. If you are unsure about how to answer the question, please give the best answer you can.

	Never	Seldom	Sometimes	Often	Very Often
	0	1	2	3	4
1. In the past 30 days, how often have you had trouble with thinking clearly or had memory problems?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. In the past 30 days, how often do people complain that you are not completing necessary tasks? (i.e., doing things that need to be done, such as going to class, work or appointments)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. In the past 30 days, how often have you had to go to someone other than your prescribing physician to get sufficient pain relief from medications? (i.e., another doctor, the Emergency Room, friends, street sources)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. In the past 30 days, how often have you taken your medications differently from how they are prescribed?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. In the past 30 days, how often have you seriously thought about hurting yourself?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. In the past 30 days, how much of your time was spent thinking about opioid medications (having enough, taking them, dosing schedule, etc.?)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

©2008 Infection, Inc. Permission granted solely for use in published format by individual practitioners in clinical practice. No other uses or alterations are authorized or permitted by copyright holder. Permission questions: Patricia@infection.com. The COMM™ was developed with a grant from the National Institutes of Health and an educational grant from Envy Pharmaceuticals.

Scoring for the COMM

Sum of Questions

≥ 9 is Positive screen

< 9 is Negative screen

Sensitivity .77

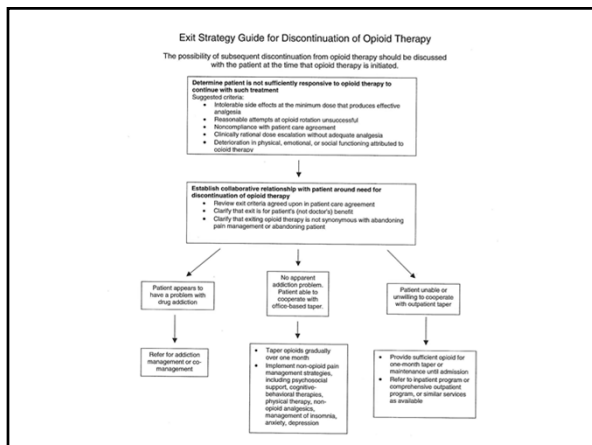
Specificity .66

Positive Predictive Value .66

Negative Predictive Value .95

Exit Strategy Guide for Discontinuation of Opioid Therapy

http://www.painknowledge.org/physiciantools/opioid_toolkit/components/Exit_Strategy.pdf



Opioid Withdrawal Protocols

When referral for opioid detox is indicated:

NIDA/SAMHSA Short-Term Opioid Withdrawal Using Buprenorphine: Findings and Strategies from Clinical Trials Network
<http://www.nida.nih.gov/blending/shortterm.html>

Mental Health & Addictions Services: Brief Social/Detox Unit
http://www.quadrant.net/cpsc/pdf/Opioid_Withdrawal_Protocol.pdf

Clinical Opioid Withdrawal Scale (COWS)
www.pcsmmentor.org/pcss/resources_clinicaltools.php

Mike

- 38 y/o MWM construction supervisor who sustained crushing injury to lower back on the job in 2007.
- Spinal fusion of L1-L4 within 2 months of injury left him with residual chronic pain, inability to return to his former employment role, depression, strained marital and family relations.
- Changed medical providers 6 times since injury trying to find "someone with an answer to my back pain."
- Pending workman's compensation hearing for final settlement.

You are Mike's new PCP
or asked by PCP for Psych NP consult:

- What other information do you want?
- What lab tests would you order?
- What screening tools would you use?
- What treatment goals do you explore with Mike?

Additional Information

- Current meds:
 - Fentanyl patch 75 mcg/hr every 3 days
 - Cymbalta 60 mg every morning
- Urine drug screen:
 - Positive for opioids, marijuana, ETOH

Complementary & Alternative Interventions

National Center for Complementary & Alternative Medicine
<http://nccam.nih.gov/>
<http://nccam.nih.gov/health/pain/chronic.htm>

NCCAM Site reviews the latest research on efficacy of various CAM interventions that demonstrate efficacy.

General Practice Guidelines for Chronic Pain Management

- Practice Guidelines for Chronic Pain Management (*Anesthesiology*, 2010;112(4):1-24)
Link to pdf from this webpage:
<http://nccam.nih.gov/health/providers/digest/chronicpain.htm>
- Diagnosis & Treatment of Low Back Pain (*Annals of Internal Medicine*, 2007;147(7):478-491)
<http://www.annals.org/content/147/7/478.full.pdf+html>
- Pain Management Task Force Final Report (*Office of The Army Surgeon General*, 2010)
http://www.armymedicine.army.mil/reports/Pain_Management_Task_Force.pdf

Key Points

- Risk factors for opioid / substance abuse in chronic pain patients
- Modify basic SBIRT screen for chronic pain patients
- Add the SOAPP-R, ORT, PADT, COMM when indicated
- Consult & collaborate with addiction specialist when needed (e.g. Opioid Detox)

References

Boscarino JA, Ruktalis M, Hoffman SN, Han JJ, Erlich PM, Gerhard GS, Stewart WF. Risk factors for drug dependence among out-patients on opioid therapy in a large U.S. health-care system. *Addiction*. 2010;105:1776-1782.

Centers for Disease Control and Prevention. (2004). Alcohol-attributable deaths and years of potential life-lost—United States 2001. *Morbidity & Mortality Weekly Report*, 53, 866–870.

Chou R, Fanciullo GJ, Fine PG, et al. Clinical guidelines for the use chronic opioid therapy in chronic noncancer pain. *Journal of Pain*, 2009;10(2):113-130.

D’Onofrio, G., & Degutis, L. C. (2002, June). Preventive care in the emergency department: Screening and brief intervention for alcohol problems in the emergency department: A systematic review. *Academy of Emergency Medicine*, 9(6), 627–638.

Edlund, MJ, Martin BC, Fan MY, Debries A, Braden JB, Sullivan MD. Risks for opioid abuse and dependence among recipients of chronic opioid therapy: Results from the TROUP Study. *Drug and Alcohol Dependence*. 2010;112:90-98.

References

Gentilello, L. M., Ebel, B. E., Wickizer, T. M., Salkever, D. S., & Rivara, F. P. (2005). Alcohol interventions for trauma patients treated in emergency departments and hospitals: a cost benefit analysis. *Annals of Surgery*, 241(4), 541–550.

Harstall C, Ospina M. How prevalent is chronic pain? *Pain Clinical Updates*, 2003;11(2):1-4.

Hyman SE, Malenka RC. Addiction and the brain: The neurobiology of compulsion and its persistence. *Nature Reviews: Neuroscience*, 2001;2:295-703.

¹International Association for the Study of Pain (IASP). How prevalent is chronic pain? *Pain: Clinical Updates*, 2003; 11(4):1-4.

Kosten RT, George TP. The neurobiology of opioid dependence: Implications for treatment. *Science and Practice Perspectives*, 2002, July, 13-20.

National Institute on Alcohol Abuse and Alcoholism. (2001, January). *Economic perspectives in alcoholism research*. Retrieved September 10, 2007, from <http://pubs.niaaa.nih.gov/publications/aa51.htm>

References

³Shurman J, Sack J, Shurman G, Schnlerow B, Gabriel C. Share the risk model. *Practical Pain Management*. 2006;6(7):10-20.

²Turk DC. Pain hurts: Individuals, significant others, and society! *American Pain Society Bulletin*. 2006;16. <http://www.ampainsoc.org/pub/bulleint/win06/pres1.htm>. Accessed July 23, 2011.

Webster LR, Webster RM. Predicting aberrant behaviors in opioid-treated patients: preliminary validation of the Opioid Risk tool. *Pain Medicine*, 2005;6(6):432-442.

Wesson DR, Ling W. The Clinical Opiate Withdrawal Scale (COWS). *Journal of Psychoactive Drugs*. 2003;35(2):253-259.
