

Treatment: Guidelines

Treatment Guidelines for Substance Use Disorders and Serious Mental Illnesses: Do They Address Co-Occurring Disorders?

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Practice guidelines are important tools for improving the delivery of evidence-based practices and reducing inappropriate variation in current treatment approaches. This study examined the degree to which guidelines targeted to the treatment of substance use disorders or serious mental illness address treatment of co-occurring disorders. Guidelines archived by the National Guideline Clearinghouse (NGC) were retrieved in December 2007 and content analyzed. Nineteen pertinent guidelines were identified, and 11 included recommendations regarding the assessment and/or treatment of co-occurring disorders. None of the guidelines making recommendations for treatment of co-occurring disorders included outcomes that clearly targeted both substance use and mental health disorders. Limitations and implications of this study are noted.

Keywords treatment guidelines; dual diagnosis; co-occurring disorders

Introduction

Substance use disorders (SUDs) and serious mental illnesses (SMIs) are significant public health concerns. Approximately 22 million people in the United States were classified with substance use or dependence in the past year (Epstein, Barker, Vorburger, and Murtha, 2004) and 44 million people have experienced a SMI within the past year (National Institute of Mental Health, 2001; US Department of Health and Human Services, 1999). Furthermore,

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the Substance Abuse and Mental Health Services Administration (SAMHSA) estimated in 1997 that the United States expended roughly \$85 billion for these disorders, and 56% of this amount was from public sources in that year alone (Mark, 2003; Mark et al., 2000).

Substance use disorders and serious mental illnesses frequently co-occur. According to the US Surgeon General, 41 to 65% of persons with a lifetime SUD also have a history of at least one SMI, and approximately 50% of persons with a lifetime SMI also have a lifetime history of at least one SUD (US Department of Health and Human Services, 1999). Therefore, a maxim of contemporary epidemiological and services research is that co-occurring disorders (also referred to as “comorbidity” and “dual diagnosis”) are the rule rather than the exception (Stinson et al., 2005).

According to Drake and colleagues (2001), staged interventions, assertive outreach, motivational interventions, counseling, social support, a long-term perspective, comprehensiveness, and cultural sensitivity and competency are the key components of effective treatment for co-occurring disorders. Despite evidence that existing treatment approaches can be effective (Brunette, Mueser, and Drake, 2004; Drake, Mercer-McFadden, Cueser, McHugo, and Bond, 1998; Drake, Mueser, Brunette, and McHugo, 2004; Dumaine, 2003; RachBeisel, Scott, and Dixon, 1990), only a small percentage of people with co-occurring disorders receive effective treatment that addresses both disorders (Substance Abuse and Mental Health Services Administration, 2002; Watkins, Burnam, Kung, and Paddock, 2001). This lamentable state of affairs may be attributable to the absence of brief screening instruments (Lincoln, Liebschutz, Chernoff, Nguyen, and Amaro, 2006; Swartz and Lurigio, 2006), which are critical for recognizing and subsequently treating disorders. Services research has also documented limited availability of services targeting co-occurring disorders (Ducharme, Knudsen, and Roman, 2006; Watkins et al., 2001), and absence of training vis-à-vis assessment and treatment of comorbid conditions (Hall, Amodeo, Shaffer, and Vander Bilt, 2000). Given the high costs and deleterious consequences of co-occurring SUDs and SMIs, numerous governmental agencies have made quality improvement in this practice area a priority (National Advisory Mental Health Council, 1999; National Institute of Drug Abuse, 2003; President’s New Freedom Commission on Mental Health, 2002; US Department of Health and Human Services, 2000).

The emergence of translational research is a direct result of increased awareness of the pressing need to improve the system of care for dually diagnosed clients. Treatment guidelines are important components of broader strategies for moving research into practice and changing provider practice patterns (Grimshaw et al., 2001, 2004). Treatment guidelines are the systematically compiled statements of empirically tested knowledge and recommended practices designed to help practitioners and clients select appropriate interventions for specific clinical circumstances (Proctor and Rosen, 2003; Rosen and Proctor, 2003). A key function of guidelines is to promote effective decision-making in situations that are frequently encountered by service providers and their clients (Eddy, 1996). Clinical practice guidelines have received considerable attention in the literature on evidence-based practices and are one of the major tools for reducing treatment variability and translating research into practice (Howard and Jensen, 1999; Institute of Medicine, 2006; Rosen and Proctor, 2003; Walker, Howard, Lambert, and Suchinsky, 1994; Walker, Howard, Walker, Lambert, and Suchinsky, 1995).

Research Objectives

Using a public open-access database of treatment guidelines, this study examined the extent to which current guidelines targeting either SUDs or SMIs also addressed co-occurring disorders. Co-occurring disorders are associated with a wide range of problems

requiring the attention of service providers from various disciplines. Therefore, this study also examined the outcomes and intended audience targeted in guidelines that address co-occurring SUDS and SMIs.

Methods

Data Source

This study examined guidelines archived by the National Guideline Clearinghouse (NGC; <http://www.guidelines.gov/>), which is a public, open-access database of treatment guidelines. The NGC is sponsored by the Agency for Healthcare Research and Quality (AHRQ) of the US Department of Health and Human Services. It was originally created by AHRQ in partnership with the American Medical Association and the American Association of Health Plans (now America's Health Insurance Plans). Advantages of this resource are that guidelines are presented in a standardized format, located in a single database, and freely available, thereby reducing the burden of searching for and retrieving guidelines. The NGC is the only coordinated effort to organize and disseminate practice guidelines in this fashion. This database also contains guidelines produced by the major health-related organizations, including the American Medical Association, the American Psychiatric Association, and the Department of Veterans Affairs. At the time of writing this report, the database included 2,264 guidelines.

Search Definitions

In this study, "substance use disorders" included abuse or dependence based on the criteria of the DSM-IV-TR (American Psychiatric Association, 2000). "Substances" of abuse were alcohol and those psychoactive drugs identified in DSM-IV-TR (Brunette et al., 2004). The specific SMIs targeted in this study were those associated with significant disability and that were widely prevalent and commonly treated within the public mental health system: schizophrenia-spectrum disorders, bipolar disorder, and major depression (Drake et al., 2001).

"Co-occurring disorders" referred to the simultaneous presentation of a substance use disorder and a serious mental illness. This usage is synonymous with other commonly used terms such as "dual diagnosis," "dual disorders," "co-morbidity," and "coexisting disorders."

Search Procedures

A computerized bibliographic search for guidelines of the NGC database was conducted on December 1, 2007. The NGC database does not provide the facilities to conduct complex searches containing Boolean operators. Thus, the procedure involved a broad-based search using the following key words: "substance abuse," "bipolar disorder," "depression," and "schizophrenia." This search procedure proved to be comprehensive. Specifically, it returned guidelines that were relevant to the study purpose and numerous guidelines that were irrelevant. The search strategy also returned a large number of duplicate guidelines. For example, the search for schizophrenia guidelines returned many depression guidelines. Subsequent searches using other synonymous keywords (e.g., major depressive disorder, psychosis, schizoaffective disorder, substance dependence, drug abuse) did not return additional unique guidelines. Finally, a search for guidelines targeting "co-occurring disorders" and its various synonyms (e.g., dual diagnosis, dual

disorders, co-morbidity, and coexisting disorders) did not produce any additional unique guidelines.

A preliminary review indicated that the available guidelines for SUDs and SMIs were very heterogenous, targeting a variety of different populations and multiple disorders. In order to produce a set of guidelines that were comparable with respect to study aims, a set of inclusion and exclusion criteria was applied. Each criterion and the number of guidelines excluded at each step are summarized in Table 1. The criteria and justification are as follows. Guidelines were limited to adult treatment (age 17 to 44 years), given the prevalence of the disorders and treatment varies considerably with different age groups. Guidelines were excluded if they were not published by a US organization, since the system of care can largely determine the treatment possibilities. Guidelines were also excluded if they did not specifically address the target SUDs or SMIs as primary disorders. For example, guidelines were excluded that considered SUDs or SMIs as secondary conditions associated with other primary medical or social conditions (e.g., spinal cord injury, cardiovascular disease, and domestic violence). As this study focused on interdisciplinary guidelines, guidelines focusing specifically on medication management were also excluded from the review.

After excluding duplicate guidelines, the complete guidelines were downloaded as portable document files (PDFs) and reviewed. The full list of search results was compiled and the titles and summaries of each guideline were reviewed.

Coding

Guidelines were examined to determine whether they provided any treatment or screening recommendations regarding co-occurring disorders. Treatment recommendations included any clinical or psychosocial interventions specifically targeting co-occurring disorders. Screening recommendations included any diagnostic or assessment procedures for co-occurring disorders. Intended users of guidelines were categorized into two types: (1) medical professionals (physicians, nurses, advanced practice nurses, pharmacists, physician assistants, and other health care providers); (2) behavioral health clinicians (social workers, psychologists, other mental health professionals, and substance use disorder treatment providers). The different types of major outcomes targeted by each treatment guideline were recorded as written.

Results

Recommendations for Co-Occurring Disorders

A total of 19 unique treatment guidelines were retrieved from the NGC database; nine guidelines targeted SUDs and 10 targeted SMIs. These guidelines and their full citations are provided in Appendix. For purposes of brevity, guidelines cited in the text are referred to by the letter preceding the abbreviation in this Appendix.

Of the total guidelines, slightly more than half (58%, $N = 11$) contained at least one recommendation with respect to assessment and/or treatment of co-occurring disorders (see Table 2). While SMI guidelines had a higher proportion of co-occurring recommendations than SUD guidelines (64% versus 55%, respectively), these differences were not significant based on a Fisher's exact test ($p = .41$). Bipolar disorder was the only type of disorder for which there were no guidelines containing recommendations for a co-occurring disorder. Across all guidelines that addressed co-occurring disorders, the most common recommendation was for screening/assessment, which was present in 64% ($N = 7$) of the guidelines

Table 1
 Summary of search results identifying treatment guidelines for substance use disorders and serious mental illnesses in the National Guidelines Clearinghouse online searchable database

Target condition	Total hits	Number of guidelines not targeting adult population	Exclusions			Number of medication guidelines	Final guidelines retained
			Number of guidelines not produced by US organizations	Number of guidelines treating other conditions as primary targets	Number of guidelines		
Substance use disorders	217	40	25	125	18	9	
Bipolar	67	12	8	44	2	1	
Major depression	450	91	92	250	10	7	
Schizophrenia/ Psychoses	45	13	12	17	1	2	

Table 2
Summary of 19 open-access treatment guidelines applicable to co-occurring disorders

Source	Target disorder	Recommendations for co-occurring disorders	Users	Major outcomes
B. CSAT (2005)	Substance use disorder	Screening and treatment for both—collaboration across sectors	<ul style="list-style-type: none"> • Medical • Behavioral health 	<ul style="list-style-type: none"> • Drug use after treatment, drug/alcohol abstinence • Cost factors including cost effectiveness • Recovery from substance abuse • Treatment failure and dropout rates • Suicide attempt rate • Crime and reincarceration rates • Employment rate • Rate of entry into treatment
C. CSAT (2004a)	Substance use disorder	Cooperation with mental health providers	<ul style="list-style-type: none"> • Medical • Behavioral health 	<ul style="list-style-type: none"> • Recovery/abstinence/retention/dropout/relapse rates • Quality of life
D. CSAT (2004b)	Substance use disorder	Mental health screening/assessment	<ul style="list-style-type: none"> • Medical • Behavioral health 	<ul style="list-style-type: none"> • Recovery from substance abuse (family & client) • Engagement rate for entry into treatment • Dropout/relapse rates • Intergenerational impact • Effectiveness/cost-benefits of family therapy • Improvements in family functioning

(Continued on next page)

Table 2
 Summary of 19 open-access treatment guidelines applicable to co-occurring disorders (Continued)

Source	Target disorder	Recommendations for co-occurring disorders	Users	Major outcomes
G. NYSDH (2006)	Substance use disorder	Referral and collaboration with mental health	• Medical	<ul style="list-style-type: none"> • Value/limitations of integrated models for clients, families, and treatment professionals • Percent change of clients who agree to have their families participate in treatment • Number of contacts counselors have with family • Number of requests for the program's free materials • Objective outcomes (ability to hold a job, manage finances, and stay married) • Effectiveness of relapse-prevention strategies and harm-reduction techniques
H. SAMHSA (2005)	Substance use disorder	Mental health screening and treatment	<ul style="list-style-type: none"> • Behavioral health • Medical • Behavioral health 	<ul style="list-style-type: none"> • Overdose-related mortality • Sensitivity and specificity of screening test • Adherence to treatment • Relapse rate • Recidivism rate
M. ICSI (2006)	Depression	Substance abuse screening and referral	<ul style="list-style-type: none"> • Medical • Behavioral health 	<ul style="list-style-type: none"> • Cost/benefit of treatment • Prevalence in general population • Symptoms • Risk factors

- Remission, recurrence, relapse, recovery rates
 - Risk for and rate of suicide/attempts
 - Adverse effects of treatment options
 - None stated
- O. MQIC (2006) Depression Substance abuse screening, referral and coordination ● Medical
- P. UMHS (2005) Depression Referral ● Medical
● Behavioral health
- Q. USPSTF (2002) Depression Screening and treatment ● Medical
- R. APA/DoD (2004) Schizophrenia/psychosis Integrated treatment ● Medical
- Mortality rates by suicide
 - Depressive symptoms
 - Time to respond to pharmacotherapy
 - Frequency and severity of relapse
 - Outpatient visits and hospitalizations
 - Mortality from myocardial infarction
 - Direct and indirect costs
 - Accuracy of screening
 - Effects of screening on diagnosis rates, treatment, outcomes
 - Clinical outcomes after treatment (severity of depression, functional status, and health care use)
 - Morbidity and mortality
 - Frequency/severity of episodes
 - Improvement/reduction in symptoms
 - Improvement in role functioning
- (Continued on next page)*

Table 2
 Summary of 19 open-access treatment guidelines applicable to co-occurring disorders (Continued)

Source	Target disorder	Recommendations for co-occurring disorders	Users	Major outcomes
S. VA (2004)	Schizophrenia/psychosis	Screening and referral	<ul style="list-style-type: none"> • Medical • Behavioral health 	<ul style="list-style-type: none"> • Efficiency and effectiveness of assessment • Control of symptoms • Complications and morbidity rates • Level of patient and family satisfaction • Recovery/relapse rates • Clinical and social functioning • Quality of life • Cost of care • Need for hospitalization/length of stay • Compliance with medication

(Guidelines D, B, G, H, M, O, P, Q). Forty-five ($N = 5$) of the guidelines recommended a referral to a provider in the other (i.e., SUD or SMI) sector of care (Guidelines G, M, O, P, R). Four guidelines recommended collaboration or cooperation across sectors (Guidelines C, B, G, O), and one guideline recommended integrated SUD and SMI treatment (Guideline R). It should be noted that two guidelines recommended “treatment” (Guidelines H, Q), but additional information was not specified in terms of how treatment should be conducted (e.g., collaboratively or in an integrated approach).

Multidisciplinary Guidelines

Medical professionals were the intended users of all 11 treatment guidelines that addressed co-occurring disorders. Of these 11 guidelines, all but three (Guidelines O, Q, R) also listed behavioral health professionals as intended users. Specifically, all guidelines for SUDs that included recommendations for co-occurring disorders targeted both medical and behavioral health providers. However, behavioral health providers were not listed as intended users on two SMI guidelines for depression guidelines (Guideline O, Q) and one SMI guideline for schizophrenia/psychosis (Guideline R).

Treatment Outcomes

With the exception of one (Guideline O), all guidelines listed treatment outcomes. The number of outcomes targeted in these guidelines containing recommendations for co-occurring disorders ranged from 3 to 11 (Mean = 5.9, SD = 3.0). Among this set of guidelines, there were no clear outcomes that addressed both psychiatric symptomatology and substance abuse-related outcomes, such as relapse. Three SMI guidelines that addressed co-occurring disorders in some fashion referred to relapse (Guidelines M, P, S) but did not indicate whether relapse referred to the SMI, SUD, or both. All guidelines that addressed co-occurring disorders and described treatment outcomes targeted at least one psychosocial outcome beyond clinical outcomes.

Discussion

This study reviewed the degree to which guidelines for SMIs and SUDs archived by the National Guidelines Clearinghouse addressed treatment for co-occurring disorders. Slightly more than half of the total guidelines retrieved included some type of recommendation for the treatment of co-occurring disorders. These recommendations included assessment, referrals, and collaboration with other professionals in the other sector of care. With the exception of two guidelines (described below), these recommendations contained minimal elaboration or specificity, leaving considerable room for interpretation on how the recommendations should actually be implemented in routine practice.

Two guidelines are particularly noteworthy with respect to their specificity regarding treatment for co-occurring disorders. This included the treatment guideline for schizophrenia, authored by the American Psychiatric Association (Guideline R). This guideline provided a comprehensive description of the major features of treatment (e.g., case management, family interventions, rehabilitation, pharmacotherapy, and housing) and noted the importance of the same clinicians treating both the SMI and SUD. Overall, these recommendations are consistent with the broader literature on comprehensive and integrated treatment for this population (Drake et al., 1998, 2001). It should be noted that the treatment guideline for bipolar disorder, also authored by the American Psychiatric Association

(Guideline J), did not contain any treatment recommendations regarding SUDs. This is a surprising finding, given the evidence suggesting that the rates of co-occurring alcohol and drug problems among persons with bipolar disorder are at least equal to or greater than the rates among persons with schizophrenia (Robins and Regier, 1991).

The second guideline to address treatment targeted substance use disorders with co-occurring psychiatric disorders (Guideline B). This is a comprehensive treatment guideline that contains screening suggestions, essential components of treatment (e.g., psychoeducation, double trouble groups, and community-based dual recovery mutual self-help groups), and treatment strategies (e.g., motivational interviewing, contingency management, relapse prevention, and assertive community treatment). This guideline also corresponds to a larger treatment manual provided by the Center for Substance Abuse Treatment (2005).

The majority of the guidelines targeting co-occurring disorders were intended for a multidisciplinary audience of service providers. This reflects the wide recognition that treating SUDs, SMIs, and these conditions as they co-occur requires coordination with many different provider types. However, the outcomes targeted by the guidelines were generally restricted to the primary focus of the single disorder, even though the assessment and/or treatment issues addressed co-occurring disorders. This suggests that many of these guidelines have limited utility for addressing the full range of problems and needs that are commonly encountered among persons with co-occurring disorders.

Limitations and Generalizability

This systematic review was restricted to guidelines archived on the NGC. This excluded a potentially large number of proprietary and nonproprietary guidelines that are available in print and electronically. Thus, the generalizability of this study is limited. Additionally, it was beyond the scope of this study to examine the quality and consistency of the recommendations contained in the guidelines against the extant literature. Despite these limitations, it is important to emphasize that the NGC remains as one of the largest (or the largest) data base that provides readily obtainable guidelines from major organizations that are free.

Conclusions

Treatment guidelines can play an important role in implementing evidence-based practices and changing provider practice patterns. Two guidelines that provide very specific information for treating co-occurring disorders were located. Although the current guidelines are limited, the NGC provides an infrastructure that makes guidelines widely available without charge. Additional efforts are needed to improve existing guidelines to better address co-occurring disorders. Without such guidelines, practitioners may fail to screen for and identify the presence of co-occurring SUDs and SMIs. Furthermore, in addition to screening, comprehensive empirically based treatment guidelines are necessary to inform practitioners of integrated treatment methods. As existing research suggests, outcomes for primary presenting disorders are likely to be improved through proper screening and treatment (Baethge et al., 2005; Haywood et al., 1995; Mangrum, Spence, and Lopez, 2006; Sacks, McKendrick, Sacks, Banks, and Harle, 2007). Additional research is also needed to better understand and overcome barriers related to the implementation of treatment guidelines and other forms of evidence-based practice (see Grimshaw, Eccles, and Tetroe, 2004).

Declaration of Interest

The authors report no conflict of interest. The authors alone are responsible for the content and writing of this paper.

RÉSUMÉ

Les directives de pratique sont des outils importants pour améliorer la réalisation des pratiques à base d'évidence et pour réduire le désaccord inconvenant des approches actuelles de traitement. Cette étude a examiné le degré auquel les directives visées au traitement des assuétudes à la drogue ou aux maladies mentales sérieuses abordent le traitement des problèmes coexistants. Les directives archivées par le *Centre d'Information National des Directives* ont été répertoriées en décembre 2007 et analysées. Dix-neuf directives pertinentes ont été identifiées, et 11 d'entre elles ont inclus des recommandations concernant l'évaluation et/ou le traitement des problèmes coexistants. Aucune des directives faisant des recommandations pour le traitement des problèmes coexistants n'a inclus de résultats qui ont clairement visé à la fois les assuétudes à la drogue et les troubles mentaux. Les limitations et les implications de cette étude sont notées.

Mots clés : Directives de traitement, diagnostic double, problèmes coexistants

RESUMEN

Las pautas de práctica son herramientas importantes para mejorar la entrega de prácticas fundadas en pruebas y para reducir la variación inapropiada que existe en los métodos actuales. Ésta investigación examinó hasta qué punto las pautas dirigidas al tratamiento de la drogadicción o de la enfermedad mental consideran el tratamiento de trastornos coexistentes. Las pautas archivadas por el *Centro de Información Nacional para las Pautas* fueron recuperadas en diciembre del 2007 y analizadas. Diecinueve pautas pertinentes fueron identificadas, y once incluyeron recomendaciones sobre la evaluación y/o tratamiento de los trastornos coexistentes. Ninguna de las pautas con recomendaciones para el tratamiento de los trastornos coexistentes incluyó resultados que se dirigieron directamente a tanto la drogadicción como las enfermedades mentales. Las limitaciones e implicaciones de esta investigación son notadas.

Palabras Claves: Pautas de práctica, diagnostico doble, trastornos coexistentes

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Glossary

Co-occurring disorders: “Co-occurring disorders” in this study refer to the simultaneous presentation of a substance use disorder and a serious mental illness. This usage is synonymous with other commonly used terms such as “dual diagnosis,” “dual disorders,” “co-morbidity,” and “coexisting disorders.”

Treatment guidelines: “Treatment guidelines” are systematically compiled statements of empirically tested knowledge and recommended practices designed to help practitioners and clients select appropriate interventions for specific clinical circumstances.

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Appendix

Treatment Guidelines Included in a Systematic Review

Abbreviation	Full citation
<i>Substance use disorders</i>	
A. APA (2006a)	Work Group on Substance Use Disorders, Kleber HD, Weiss RD, Anton RF, Rounsaville BJ, George TP, Strain EC, Greenfield SF, Ziedonis DM, Kosten TR, Hennessy G, O'Brien CP, Connery HS, American Psychiatric Association Steering Committee on Practice Guidelines, McIntyre JS, Charles SC, Anzia DJ, Ninger JE, Cook IA, Summergrad P, Finnerty MT, Woods SM, Johnson BR, Yager J, Pyles R, Lurie L, Cross CD, Walker RD, Peele R, Barnovitz MA, Gray SH, Shemo JP, Saxena S, Tonnu T, Kunkle R, Albert AB, Fochtmann LJ, Hart C, Regier D. <i>Treatment of patients with substance use disorders</i> (2nd ed.). American Psychiatric Association, Washington, DC. <i>Am J Psychiatry</i> (2006 Aug); 163(8 Suppl):5–82.
B. CSAT (2005)	Center for Substance Abuse Treatment. (2005). <i>Substance abuse treatment for persons with co-occurring disorders</i> . Rockville, MD: Substance Abuse and Mental Health Services Administration (SAMHSA).
C. CSAT (2004a)	Center for Substance Abuse Treatment. (2004). <i>Substance abuse treatment: group therapy</i> . Rockville, MD: Substance Abuse and Mental Health Services Administration.
D. CSAT (2004b)	Center for Substance Abuse Treatment. (2004). <i>Substance abuse treatment and family therapy</i> . Rockville, MD: Substance Abuse and Mental Health Services Administration.
E. MQIC (2003)	Michigan Quality Improvement Consortium. (2005, Aug). <i>Screening and management of substance use disorders</i> . Southfield, MI: Michigan Quality Improvement Consortium.
F. NYSDH (2005)	New York State Department of Health. (2005, Mar). <i>Screening and ongoing assessment for substance use</i> . New York, NY: New York State Department of Health.

Abbreviation	Full citation
G. NYSDH (2006)	New York State Department of Health. (2006, Oct). <i>Working with the active user</i> . New York, NY: New York State Department of Health.
H. SAMHSA (2005)	Peters RH, Wexler HK. (2005 Sep 12). <i>Substance abuse treatment for adults in the criminal justice system</i> . Rockville, MD: Substance Abuse and Mental Health Services Administration (SAMHSA).
I. USPSTF (2004)	Screening and behavioral counseling interventions in primary care to reduce alcohol misuse: recommendations statement. <i>Ann Intern Med</i> (2004, Apr 6);140(7):554–556.
<i>Bipolar disorder</i>	
J. APA (2002)	Practice guideline for the treatment of patients with bipolar disorder (revision). <i>Am J Psychiatry</i> (2002 Apr); 159(4 Suppl):1–50.
<i>Major depressive disorder</i>	
K. AMDA (2003)	American Medical Directors Association (AMDA). (2003). <i>Depression</i> . Columbia, MD: American Medical Directors Association (AMDA).
L. APA (2000)	American Psychiatric Association practice guideline for the treatment of patients with major depressive disorder. <i>Am J Psychiatry</i> (2000 Apr);157(4 Suppl):1–45.
M. ICSI (2004)	Institute for Clinical Systems Improvement (ICSI). (2006, May). <i>Major depression in adults in primary care</i> . Bloomington, MN: Institute for Clinical Systems Improvement (ICSI).
N. KPCMI (2006)	Kaiser Permanente Care Management Institute. (2006, Mar). <i>Depression clinical practice guidelines</i> . Oakland, CA: Kaiser Permanente Care Management Institute.
O. MQIC (2006)	Michigan Quality Improvement Consortium. (2006, Jan). <i>Management of adults with major depression</i> . Southfield, MI: Michigan Quality Improvement Consortium.
P. UMHS (2004)	University of Michigan Health System. (2005 Oct). <i>Depression</i> . Ann Arbor, MI: University of Michigan Health System.
Q. USPSTF (2002)	US Preventive Services Task Force. Screening for depression: recommendations and rationale. <i>Ann Intern Med</i> (2002, May 21);136(10):760–764.
<i>Schizophrenia/psychoses</i>	
R. APA (2004)	American Psychiatric Association. (2004, Feb). <i>Practice guideline for the treatment of patients with schizophrenia</i> (2nd ed.). Arlington, VA: American Psychiatric Association.
S. VA/DoD (2004)	Veterans Administration, Department of Defense. (2004, May). <i>Management of persons with psychoses</i> . Washington, DC: Department of Veteran Affairs.