The AC-OK Screen for Co-Occurring Disorders (Mental Health, Trauma Related Mental Health Issues & Substance Abuse):

What a Difference 5 Minutes can Make

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A related paper will be presented at the 6th annual Hawaii International Conference on System Sciences (HICSS) on May 30[,] 2007.

Running header: The AC-OK Screen for Co-Occurring Disorders

Brief Overview

Screening for the co-occurring disorders of mental health and substance abuse has been recognized as a best practice (SAMHSA, 2005). Universal screening, however, is far from being a reality. The AC-OK Screen for Co-Occurring Disorders is a rapid-response screen instrument designed to identify the co-existing disorders of mental health and trauma related mental health issues, and substance abuse. The findings are based on two studies. The pilot study was based on a sample of 234 respondents. The second study was based on a sample of 3,608 respondents who were screened between February and November of 2006. The participants were seeking treatment from one of four mental health centers, one of three substance abuse treatment providers, or one of two programs that have a residential program for people with a co-occurring disorder. The analysis of the data paints a disturbing picture of the treatment experiences for the 1,250 people who presented with the symptoms associated with a co-occurring disorder of mental health and substance abuse. The findings also illustrate the difference 5 minutes can make when it is used to screen for a co-occurring disorder.

The need for better treatment options for people with a co-occurring disorder received critical support when the 2002 National Survey on Drug Use and Health in the United States reported that over 22% of adults with a serious mental illness and those who abuse alcohol or other drugs have a co-occurring problem of mental health and substance abuse. A recent study of 23,000 people, admitted to a mental health or a substance abuse treatment program in Oklahoma, found that some 35% could be diagnosed with a co-existing mental health and substance abuse disorder (See OK-COSIG Year-End Report, 2006 at: http://faculty-staff.ou.edu/C/Andrew.L.Cherry-1.Jr/okcosig_project.htm).

One of the major barriers to identifying people with a co-existing disorder has been the cost involved in assessment. This process has typically required two assessments. One assessment focused on mental health disorders. The second focused on substance abuse disorders. To eliminate part of this burden, a rapid-response screen was developed. The AC-OK Screen for Co-Occurring Disorders (Mental Health, Trauma Related Mental Health Issues & Substance Abuse) is intended to help determine if the person requesting help needs to be clinically assessed for a co-existing mental health and substance abuse problem. The process used to determine the psychometric properties of this screen was first to verify that the questions in each of the subscales (mental health and substance abuse items) were conceptually related and if they could be reduced in number. The Factor Analysis Extraction procedure helped answer these questions. The Varimax rotated two factor solution indicates that there are two clearly separate conceptual dimensions and the number of items in the two scales could *not* be reduced. The factor solution also accounted for 57.25% of the variance among those being screened. Second, Cronbach Alpha coefficients were used as a statistical measure of the internal consistency of each of the two subscales. The Cronbach Alpha for the Mental Health screen was very good ($\alpha = .79$). The Cronbach Alpha for the Substance Abuse Screen was excellent ($\alpha =$.89).

Sensitivity and specificity were examined against the Client Assessment Record (CAR) assessment, the Addiction Severity Index (ASI) assessments, and the Axis I primary and secondary diagnoses (see Table 1). In this population, the AC-OK Screen (which takes five minutes to administer) agreed with the CAR_substance abuse scale in 90.5% of cases that the

individual needed to be fully assessed for a co-occurring disorder. The AC-OK Screen agreement with the ASI_psychiatric scale was even more impressive. The AC-OK Screen agreed with the ASI_psychiatric scale in 96% of the cases that the individual needed a full assessment for a co-occurring disorder. Finally, the AC-OK Screen (which takes five minutes to administer) agreed with the DSM-IV diagnosis of a co-occurring disorder in 91% of the cases.

The AC-OK Screen also has a high level of *sensitivity*. As a result, the subscales produce a fair number of false positives. However, because the intent of the screen was to miss very few people who presented with symptomology associated with a co-occurring disorder, a higher number of false positives are considered acceptable. It is far more costly to miss a person needing treatment than it is to assess a few extra people. In practice, the AC-OK Screen will identify about twice as many people that will need a full assessment than will later be found to have a co-occurring disorder. If the AC-OK Screen becomes part of an intake protocol, 70% of those seeking services will need to be fully assessed for a co-existing disorder.

Although many of the barriers to universal screening for a co-occurring disorder are still intact (training, time involved, cost, and an infrastructure where everyone seeking mental health or substance abuse services is screened), the *lack of a rapid response, co-occurring screen* that is accurate, takes little training, and is easy to administer—*has been eliminated*. The statistical analysis of the AC-OK Screen has shown that this screen is highly reliable, valid, very sensitive, and has high levels of specificity.

What difference can 5 minutes make to a person who is seeking help for a co-existing disorder? Determining that a person has a co-existing disorder when he or she first asks for help can save an average of four and a half years of that person's life. In this data there is over a four year (4.4 yrs) difference in the average age of people in this study seeking treatment in a substance abuse treatment program (32.87 yrs) and those seeking help from a program providing treatment for a co-existing disorder (37.31 yrs). People with a co-occurring disorder are also slightly more likely to be involved in the criminal justice system. More people with a co-occurring disorder tend to enter treatment struggling with suicidal ideations. They tend to have more problems with substance abuse than others entering treatment for addiction. Yet, people with a co-occurring disorder are likely to have fewer problems with psychoses and anxiety disorders. They usually have a higher level of education. And, they tend to be more committed to treatment (based on the percentage of voluntary admissions, and the high number who complete treatment) (See: <u>http://faculty-staff.ou.edu/C/Andrew.L.Cherry-1.Jr/AC-CODScreenPg.htm</u>).

Using the AC-OK Screen for Co-Occurring Disorders (Mental Health, Trauma Related Mental Health Issues & Substance Abuse) could be the most valuable 5 minutes in the clinical experience of a person seeking help, considering the costs to the individual and the cost to society when a co-existing disorder goes unrecognized.

Instrument Description & Properties

- Name: AC-OK Screen for Co-Occurring Disorders (Mental Health, Trauma Related Mental Health Issues & Substance Abuse
- Purpose:The AC-OK Screen for Co-Occurring Disorders (Mental Health, Trauma Related
Mental Health Issues & Substance Abuse) was designed to determine if a person who
asks for help from either a mental health agency or a substance abuse treatment agency
needs to be assessed for the possible co-occurring disorders of Mental Health, Trauma
Related Mental Health Issues, and Substance Abuse.
- **Background:** AC-OK Screen for Co-Occurring Disorders is based on two previous studies designed to test the reliability, validity, sensitivity, and specificity of a screen designed encompass three domains (mental health, substance abuse, and trauma related mental health issues). The pilot study analysis was based on screens completed on 234 people seeking treatment from either a mental health or substance abuse treatment agency. The analysis of the second study was based on responses from 3,608 people seeking treatment from either a mental health or substance abuse treatment agency.
- Scoring: One (1) "Yes" answer on any of the three (3) domains (Mental Health, Trauma Related Mental Health Issues, and Substance Abuse) indicates that an additional assessment(s) is needed in that domain.
 - The items associated with each scale domains are:

Mental Health Issues:	7, 8, 9, 10, 11 12, 13
Trauma Related Mental Health	Issues: 14 , 15
Substance Abuse Issues:	1, 2, 3, 4, 5, 6

- **Reliability:**Reliability of the Screen scales:
Mental Health scale ($\alpha = .79$).
Substance Abuse scale ($\alpha = .89$)
- Validity:The items used in this instrument are similar to items used in familiar assessments
instruments such as the CAR, the ASI, ASAM, the BSI, the MMPI, etc.

Specificity and Sensitivity:

To determine specificity, the findings of the screen were compared to the CAR-psy, the ASI-psy, and the DSM-IV diagnosis. In this caparison the screen matched the assessment in over 90% of the cases on which assessment information was available.

Reading level of Screen:

Flesch Reading ease: .61 Flesch-Kincaid Grade Level: 6.5

Primary References:

Detailed reports are available on each of these studies at <u>http://faculty-staff.ou.edu/C/Andrew.L.Cherry-1.Jr/AC-OK CODScreenPg.htm</u>

Availability: This screen is copyrighted. Anyone or any agency can use it without charge or permission from the author. It should not be commercialized or sold by any party under any conditions. A copy of the AC-OK Screen for Co-Occurring Disorders can be downloaded from <u>http://faculty-staff.ou.edu/C/Andrew.L.Cherry-1.Jr/AC-OK</u> <u>CODScreenPg.htm</u>

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AC-OK Screen for Co-Occurring Disorders (Mental Health, Trauma Related Mental Health Issues & Substance Abuse)

First Name:		Last Name:	
Ge	nder: Date of Birth:	Date of Screening:	
<u>Du</u>	ring the past year:		
1.	Have you been preoccupied with drinking alcohol	and/or using other drugs?	Yes No
2.	Have you experienced problems caused by drinkin drugs, and you kept using?	g alcohol and/or using other	🗌 Yes 🗌 No
3.	Do you, at times, drink alcohol and/or used other	drugs more than you intended?	Yes No
4.	Have you needed to drink more alcohol and/or use same effect you used to get with less?	more drugs to get the	🗌 Yes 🗌 No
5.	Do you, at times, drink alcohol and/or used other of	lrugs to alter the way you feel?	Yes No
6.	Have you tried to stop drinking alcohol and/or usin	ng other drugs, but couldn't?	Yes No
7.	Have you experienced serious depression (felt sade interest, change of appetite or sleep pattern, difficu daily activities)?		Yes No
8.	Have you experienced thoughts of harming yourse	lf?	Yes No
9.	Have you experienced a period of time when your have trouble keeping up with your thoughts?	thinking speeds up and you	🗌 Yes 🗌 No
10.	Have you attempted suicide?		Yes No
11.	Have you had periods of time where you felt that y or friends.	you could not trust family	🗌 Yes 🗌 No
12.	Have you been prescribed medication for any psyc	hological or emotional	
	problem?		Yes No
13.	Have you experienced hallucinations (heard or see hear or see)?	n things others do not	🗌 Yes 🗌 No
14.	Have you ever been hit, slapped, kicked, emotiona threatened by someone?	lly or sexually hurt, or	Yes No
15.	Have you experienced a traumatic event and since and/or anxiety which interferes with you leading a		🗌 Yes 🗌 No

Instructions: For the **AC-OK Screen for Co-Occurring Disorders** (Mental Health, Trauma & Substance Abuse

"I'm glad you (called **or** came in); let's see how I can help. In your own words, what is going on, OR can you tell me a little about why you called (today)?"

"In order to (find the best services **or** determine the next best steps) for you, I'd like to ask you a few short yes or no questions to see if there is anything we may have missed. There are no 'right' or 'wrong' answers and these questions may or may not apply to your situation. Is this okay with you?"

- This screen should be used when a person first contacts the agency for services.
- This screen is only a tool to help identify potential areas that may need further assessment. Please note: This is NOT a diagnostic tool and should not be used as an assessment.
- Please read each question *exactly* as written in the *order* provided.
- If a potential crisis is identified during the screening, please follow your agency protocols immediately to assess for lethality and provide appropriate intervention.
- Positive indicators (one "YES" answers), in any three (3) domains indicates that an assessment(s) is needed in that domain.

Scoring: Remember, one (1) "Yes" answer on any of the three (3) domains (Mental Health, Trauma Related Mental Health Issues, and Substance Abuse) indicates that an additional assessment(s) is needed in that domain.

Mental Health Issues:	7, 8, 9, 10, 11 12, 13
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