#### The Colorado Sex Offender Risk Scale

Kim English Paul Retzlaff Dennis Kleinsasser

**ABSTRACT.** This study documents the development of an adult sex offender risk assessment tool. A sample of 494 sex offenders were followed for an average of 30 months. A risk scale was developed based upon criminal and therapeutic outcomes. The final risk scale included prior juvenile felony convictions, prior adult felony convictions, failure of the first or second grade, not being employed, victim being intoxicated, the perpetrator reporting not being sexually aroused during the crime, possession of a weapon during the crime, denial in therapy, sexual deviance in therapy, and motivation in therapy. The risk scale provided significant relative risk ratios against program failure at 12 and 30 months. Overall, those scoring high on the risk tool were 372% as likely to fail as those scoring low.

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XUAL ABUSE	English, Retzlaff, and Kleinsasser
he Haworth Document Delivery Service: getinfo@haworthpressinc.com> Website: 02 by The Haworth Press, Inc. All rights	also be seen as being driven by the same personality problems that con- tributed to the criminal behavior in the first place. Factors that predict risk of sexual re-offense vary considerably across research, partially because the studies and the samples differ. For exam-
cidivism, treatment, offenders, pris-	ple, studies often vary in how risk and recidivism are defined. Recidi- vism is usually defined as re-arrest for any crime, re-arrest for a violent crime, sex crime re-arrest, or sex crime conviction and recommitment. Furby, Weinrott and Blackshaw (1989) explain the differences and ra-
of correctional population man- nder risk of supervision failure arner, 1923). However, research	rely on official records of police and criminal justice system interven- tion. Unfortunately, official record data offen underreports actual of- fending behavior because many sex offenses go unreported (Kilpatrick, Edmunds, & Seymor, 1992; Smith, Letourneau, Saunders, Kilpatrick,
ecades. In these assessments, a ned including demographics, de- sexual offense history, and gen-	that does not depend completely on official reports.
., Hanson & Bussiere, 1996).	Considerable support in the literature exists for using revocation and
pes and numbers of crimes com-	treatment failure variables as risk indicators. Failures in supervision and
on revocation, has often been the	treatment have been found to be significantly related to future re-arrest.
broader history associated with	Marques, Day, Nelson, and West (1994), in a carefully designed and ex-
as also been the focus of work. A	ecuted study of the effects of sex offender treatment on an incarcerated
eveloped in the literature along	population, found that noncompliance with treatment and dropping out
givity and personality disorders	of treatment predict re-arrest in the community. Other investigations
1991; Harris, Rice, & Quinsey,	(Epperson, Kaul, & Hesselton, 1998; Hanson, Steffy, & Gauthier, 1993;
entky & Knight, 1991). Indeed,	Reddon, 1996) have found that offenders are at high risk for re-arrest
en in treatment situations where	when they fail to comply with institutional treatment. In addition, Hall
lts in difficult treatment and poor	(1995) also found that noncompliance with community supervision in-
ie are, of course, usually more	Barbaree, Seto, Langton, and Peacock (2001) recently completed a
imes. Here, a number of risk fac-	review of six scales often used for sex offense risk assessment. They
de prior sexual offending history	also cross-validated the six scales by following a sample of 215 adult
ersatility of sexual offending	sex offenders for an average of 4.5 years. I workpes of statistics for a later to sexual re-offense were calculated. The first was the correlation be-
Malcolm, Khanna, & Barbaree,	tween the scale and sexual re-offense. The second was an Area Under
198; Hanson & Bussiere, 1996),	the Curve (AUC) statistic associated with the Receiver Operating Char-
1988), stranger victims (Hanson,	acteristic curve of each test (Hanley & McNeil, 1982). The greater the
he area of "dynamic indicators,"	AUC is, the more valid the scale is. Each scale is described in detail be-
me. An example might be the of-	low; scale correlation with sexual re-offense and AUC statistic infor-
pists. This could include motiva-	mation for each scale are provided to indicate relative validity of each
social support. Again, these may	scale.

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[Article copies available for a fee from The Haworth Document Delivery Servis 1-800-HAWORTH. E-mail address: <getifif@haworthpressinc.com> Webss <http://www.HaworthPress.com> © 2002 by The Haworth Press, Inc. All rig. reserved.] KEYWORDS. Sex offense, risk, recidivism, treatment, offenders, pr oners Risk assessment is a key component of correctional population man agement. Research pertaining to offender risk of supervision failur dates back to the 1920s (Hart, 1923; Warner, 1923). However, researc specifically targeting the risk assessment of adult sexual offenders ha occurred only within the past two decades. In these assessments, broad range of factors has been examined including demographics, de velopmental history, criminal history, sexual offense history, and gen eral sexual history of the offender (e.g., Hanson & Bussiere, 1996).

Criminal history, which includes types and numbers of crimes committed, sentencing, and parole/probation revocation, has often been the focus of risk assessment. In addition, broader history associated with criminal behavior such as personality has also been the focus of work. A number of personality themes have developed in the literature along this line such as psychopathy, impulsivity, and personality disorders (Hare, 1991; Harris, Rice, & Cormier, 1991; Harris, Rice, & Quinsey, 1993; Hart, Kropp, & Hare, 1988; Prentky & Knight, 1991). Indeed, these personality variables are also seen in treatment situations where the underlying character structure results in difficult treatment and poor outcome.

Sexual history and the index crime are, of course, usually more Sexual history and the index crime are, of course, usually more closely linked to the specific sexual crimes. Here, a number of risk factors have been identified. These include prior sexual offending history (Hall, 1995), deviant arousal or versatility of sexual offending (Barbaree & Marshall, 1988; Serin, Malcolm, Khanna, & Barbaree 1994), gender of victims (Hanson, 1998; Hanson & Bussiere, 1996) age of victims (Barbaree & Marshall, 1988), stranger victims (Hanson 1998), and the age of the offender.

There seems to be far less work in the area of "dynamic indicators," or variables that tend to change with time. An example might be the offender's response to therapy and therapists. This could include motivation, denial, readiness to change, and social support. Again, these may

English, Retzlaff, and Kleinsasser 81	victim during a single sex offense incident, (7) number of different vic- tim age groups, (8) victim between 13 and 15 and offender 5 or more years older, (9) stranger victim, (10) adolescent antisocial behavior, (11) drug or alcohol abuse in year prior to offense, (12) employment history, (13) discipline in prison, (14) substance abuse treatment in prison, (15) sex offender treatment in prison, and (16) age at time of re- lease. The MnSOST-R has a correlation of 1.14 (n.s.) with sex re-offense and an AUC of .65 (n.s.). Finally, the Multifactorial Assessment of Sex Offender Risk of Re- rived deviant sexual interests, (4) social competence based on intelli- gence, marital status, and employment, (4) post-treatment ratings of motivation, (5) post-treatment behavior change, and (6) post-treatment clinical impression of risk. The post-treatment MASORR has a correla- tion of .12 (n.s.) with sex re-offense and an AUC of .60 (n.s.). The Colorado Division of Criminal Justice worked in consultation with representatives of the state Sex Offender Management Board (15) no develop a risk assessment screening instrument for use in collect some of the data found in the existing risk scales but to develop a new scale that was specific to and optimized for use in Colorado. This work describes the process that resulted in the Colorado Adult Sex Of- fender Risk Assessment Scale.	METHOD	<ul> <li>Participants</li> <li>The sample consisted of 494 adult male sex offenders who were on probation, on parole, in community corrections (prison diversion), and in prison treatment between December 1, 1996 and November 30, 1997. Several jurisdictions participated in the study including four county probation districts, one private community corrections organization, two parole counties, and two phases of the Colorado Prison Sex Offender Treatment Program. Of the 494 subjects, 218 were on probation, 47 on parole, and 229 in prison.</li> <li>The sample consisted of offenders convicted of the following crimes: sexual assault (first, second, and third degree, 26.0%), sexual assault on a child (54.4%), exposure (2.2%), assault (1.7%), kidnapping (2.5%),</li> </ul>
30 JOURNAL OF CHILD SEXUAL ABUSE	The Violence Risk Appraisal Guide (VRAG; Harris, Rice, & Quinsey, 1993) is often used in sex offense risk work although its original intent was in the assessment of violence in general. It is composed of 12 items including (1) living with both biological parents until the age of 16, (2) el- smentary school maladjustment, (3) history of alcohol problems, (4) mar- iterians, (5) nonviolent offense history, (6) failure on prior conditional elease, (7) age at index offense, (8) index victim injury, (9) female index victim, (10) personality disorder, (11) schizophrenia, and (12) Hare's (1991) psychopathy scale score. The correlation of VRAG scores and sex- ial re-offense is not significant ( $r = .11, n.s.$ ) and has an AUC of .61. The Sex Offender Risk Appraisal Guide (SORAG; Quinsey, Harris, Rice, & Connier, 1998) consists of 14 items of which 10 are from the VRAG. The items in common with the VRAG include: (1) living with both sological parents until the age of 16, (2) elementary school maladjust- nent, (3) history of alcohol problems, (4) marital status, (5) nonviolent of- ense history, (6) failure on prior conditional release, (7) age at index offense, (8) personality disorder, (9) schizophrenia, and (10) PCL-R score. Additional items specific to the SORAG and which make the scale more is coffense sensitive include: (11) violent offense, filterse, filterse	(1) number of prior charges for sexual otherses, (2) age upon reserves less than 25, (3) any male victims, and (4) extra-familial victims. The RRASOR has a correlation of 0.26 ( $p < .05$ ) with sex re-offense and an	AUC of .77. While statistically significant and predictive, one wonders if four items are enough for this type of work. The Static-99 (Hanson & Thornton, 1999) has 10 items in total. The first 4 are those of the RRASOR. Additional unique items include (5) prior sentenc- ing dates, (6) any convictions for non-contact sexual offenses, (7) non-sex- ual, violent index offense, (8) prior non-sexual, violent offense, (9) any stranger victims, and (10) cohabitation status. The Static-99 has a correla- tion of .18 ( $p < .05$ ) with sex re-offense and an AUC of .70. The Minnesota Sex Offender Screening Tool-Revised (MnSOST-R; Epperson, Kaul, & Hesselton, 1998) includes 16 items across historical and institutional variables. They include (1) number of sex offense con- victions, (2) length of sex offense history, (3) being under supervision at time of a sex offense, (4) public place sex offense, (5) threat of force or use of force during sex offense, (6) multiple acts perpetrated on a single

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# I.E.1. History Variables at Intake and Outcome at 12 Months

exploitation of a minor (3.2%), and other (10.0%). Eighty percent (80%) of the sample consisted of adult male sex offenders meeting the definition of Sexual Predator Crimes pursuant to S.B.97(84) (i.e., convicted of one of five felony sex crimes: first, second or third degree sexual assault, sexual assault on a child, or sexual assault on a child by a person in a position of trust). The remaining sex offenders (20%) did not meeting these strict criteria.

#### Design

The intent of this study was to collect a large number of potentially predictive variables to be compared to outcome at 12 months. The most predictive set of variables would then form a risk tool that would subsequently be cross-validated on outcomes at 30 months. As such, descriptive and univariate statistics are provided for the 12 month outcome point. Prediction of program failure is provided for the 12 month and 30 month time points as well as a prediction against combined failure at either of the points in time.

#### Measures

Data were collected on a number of dimensions related to failure in sex offender treatment and re-offense, according to the research literature and the clinical experience of members of the SOMB Assessment Committee. Assessed variables included demographics, developmental history, educational background, sexual, juvenile, and adult criminal histories, as well as current offense characteristics. Dynamic indicators included interpersonal abilities, treatment variables, and patient behavior.

*Histories.* A form was developed and used to collect information fo-*Histories.* A form was developed and used to collect information focused on demographics, juvenile and criminal history, current crime factors, victim characteristics, and other case descriptions that are typifactors are by decision makers who handle the case. Data was amassed from state records on the offenders in the study. The SOMB Research Assessment Committee also developed an additional history questionnaire based on a literature review and clinical discussions within the Committee. This questionnaire was completed by the therapists after the offender had entered treatment. Types of questions included school failure, family stability, index crime arousal patterns, and prior treatment (see Table 1).

Demographic Characteristics	Percent of Total	<u>Ot that recentage</u> Success Failure	Failure	χ²	٩
	Saurus		10/1	1 70	192
Full Time	48%	45%	%.CC	15.66	.008
Marital Status	1010	/000	62%		
Never Married	35%	% OC	2007		
Common aw	8%	41%	0/.60		
Married	27%	59%	41%		
	27%	55%	45%	Ċ	
Separated/Divolced	i	Success	Failure	7 <sup>2</sup>	9
Developmental	/000	160/	54%	0.21	.651
Held Back in School	%0Z	% 0 <del>1</del>	2/002	2 72	660
Failed 1st or 2nd Grade	8%	30%	2/0/2		027
Frequently Relocated as a Child	39%	38%	0/.70	101	245
Education				<u>)</u> F	2
11th Grade or Below	30%	31%	69%		
	22%	55%	45%		
	14%	45%	55%		
Geu	26%	54%	46%		
Some College/Degree	e 07	A E 0/.	55%		
Graduate Degree	4% %	40% 0:::::::::::::::::::::::::::::::::::	Collure Eailure	~2 ~	Q
Criminal History:		SUCCESS	5 17 1 A		500
Device Extension Conviction(S)	38%	35%	65%	66.71	- 00.
	%6	32%	68%	<u>4</u>	
I + SEX OUTBIES IN EAST 5	14%	40%	60%	[1.5	- <del>t</del>
		Success	Failure	×,	
Characteristics of the Index Commen-	13%	30%	20%	9.96	.002
On Probation When Arrested	200	14%	86%	3.41	.065
On Parole When Arrested	2 1 1	7007	58%	0.64	.423
Used a Weapon	%/	44.70	20.00	3.05	081
I lead Physical Force		39%	<u>%</u>	0.00	50
Council Account Was NOT Arousing		26%	74%	50.0	
Sexual Assault vice in a	37%	42%	58%	0L.2	10
	16%	35%	65%	2.95	080.
Victim Was Drugged	2001	40%	60%	5.99	.014
Perpetrator Was Intoxicated	40%		190/	4.70	.030
victim Was a Relative	38%	%/0	0/04	12 19	040
Belationship to Victim			200	2	
Incest	4%	41%	0/AC		
Delative Not Living Together	29%	55%	45%		
	29%	48%	52%		
Friend	20%	35%	65%		
Acquaintance	1 4%	60%	40%		
Stranger	0/ H	7000	67%		
Relationship Unknown	3%	0/ 00	2	0.33	.846
Gender of Victim	100	/0 <b>0</b> J	170/L		
Both	9%9	0/00			
elew	11%	44%	%96		
Fomale	83%	48%	52%	!	

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The Committee developed an instrument (CO-SOMB Checklist; see readiness to change, social skills, interpersonal competence, positive social support, deviant sexual practices, and treatment compliance. The Table 2) that captured and quantified these dynamic factors. The Comnstrument had those eight scales with eight items under each scale. En-Dvnamic Indicators. The SOMB Assessment Committee identified several clinical issues that they believed were central to dangerousness dorsements were made on a 1 through 5 scale. Therapists were instructed to score the offender on the SOMB Checklist during the first mittee identified eight factors, including motivation, denial, empathy month of therapy.

sion of a new sex crime, and being on the brink of failure according to the supervising officer or prison therapist. This is admittedly a very Outcome Measures. At risk to fail was defined as: revocation, revocation pending, negative treatment termination, absconded, commisproad definition of failure and was chosen due to the legislative mandate for data collection.

### RESULTS

### Outcome Data

Using the above definition of failure, 54% (N = 267) of the sample 30 months. Oddly, 159 who were considered failures at 12 months were back in programs and in good standing at 30 months. Therefore, the had failed at 12 months and 40% (N = 197) were considered failures at subjects that are regarded as failures are a somewhat different group depending upon the point in time being considered

#### Histories

Table 1 provides data on the history variables and percentages of those that succeeded and those that failed. For example, 48% of the total sample were Not Employed Full Time at the point of their arrest. Of that 48%, 45% were successful in treatment at 12 months and 55% were not Additionally, Chi Square statistics and p values are provided.

aw married perpetrators were more likely to fail. Developmental histories revealed that Frequent Relocation was associated with failure. Con-Marital status was significant such that never married and common viction histories revealed significantly higher failure rates for those

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## TABLE 2. CO-SOMB Scales Used in Risk Tool

es desire for treatment. with court order for intervention. ention to therapist. or appointments on time. complain about homework. participates in therapy. es treatment requirements. es treatment requirements. dditional help. es treatment requirements. es treatments. es treatmen	Motivation:	Not at	at		Very Much	_	
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8. Masturbates too much. 6 1 2 3 4	8. Masturbates too much.	61	2	ო	4	S	

with one or more prior adult felony convictions (65%) and one or more sex offenses in the last 5 years (68%). However, prior juvenile felonies did not predict outcome.

Not being sexually aroused and the perpetrator being intoxicated were both significantly predictive of failure. The victim being a relative was a positive indicator of success. The gender of the victim and the use of a With regard to the index crime, being on probation when arrested was also significantly associated with poor outcome, with 70% failing. weapon or physical force were not associated with the outcome.

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Finally, prior treatment for sex offenses was a significant indicator of failure (66%).

## **Dynamic Indicators**

The dynamic therapy risk elements were collected with the CO-SOMB. This device was created specifically for this study. A new instrument of this type should have evidence of internal consistency, inter-rater reliability, and validity. Given the constraints of this data collection process, only internal consistency alpha coefficients are available. They range from .89 to .93, indicating that they are quite reliable.

As indicated in Table 3, there were significant differences between ratings of those who had failed and those who had succeeded on all sub-scales of the CO-SOMB. Mean ratings for denial and deviant sexual practices were significantly higher for those who failed than for those who did not fail within the time period. In addition, those who failed were rated significantly lower on all other subscales.

While all checklist scales were significantly related to failure, Motivation ( $\alpha = .91$ ), Denial ( $\alpha = .93$ ), and Deviant Sexual Practices ( $\alpha = .92$ ) (see Table 3) were the most unique and independent of each other. Other scales were highly inter-correlated. Indeed, the scales inter-correlated from relatively little at .01 (Deviant Sexual Practices and Empathy) to too much at .81 (Readiness to Change and Empathy).

## **Risk Assessment Scale Development**

The scale was developed using outcome data from the 12 month point in time. It was then cross-validated against the 30 month outcomes. The scale was developed using stepwise regression and forced entry to determine what unique set of factors would empirically predict negative outcome. Because some variables may co-vary with each other, factors that were significantly related to negative outcome at the point of univariate analysis (presented above) may fall out of the analysis once multiple predictors are considered simultaneously. Further, risk assessment scale development requires parsimony. That is, a handful of variables will likely hold the greatest predictive power and after these are identified, additional variables generally will add relatively little to the model's accuracy.

Specifically, while significant at a univariate level, the following variables failed to add significant predictive power when combined in a multivariate equation: marital status, frequent relocation as a child,

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TABLE 3. Dynamic Therapy Risk Variables

CO-SOMB Scale	Success	Failure	•	0
Motivation*	26(5.6)	22(5.4)	5.01	.001
Denial*	20(6.3)	23(6.1)	-4.11	.001
Empathy	22(5.8)	19(5.6)	3.37	.001
Readiness to Change	23(5.8)	20(5.4)	4.23	.001
Social Skills	24(4.9)	21(4.7)	5.42	.001
nterpersonal Competence	23(5.4)	20(4.7)	4.72	.001
Positive Social Support	21(5.8)	19(5.5)	2.48	.014
Deviant Sexual Practices*	19(6.5)	22(5.7)	-3.21	.00
Taking Care of Business	24(5.9)	21(4.6)	4.46	.001

Note: Those scales with \* are included in the risk scale.

number of sex offenses in the last 5 years, being on probation, the perpetrator being intoxicated, and the victim being a relative. Having prior sex offender treatment also predicted failure in the outcome measure, but the use of this in a risk scale would oddly lead to punishment for going through treatment. As such, this variable was not included. Conversely, a number of variables that were not significant at the univariate level added significant predictive power when combined with other variables in the regression formula. These included number of juvenile felonies, failing first or second grade, and possessing a weapon during the index crime. A multiple regression of 10 final items provided an R of .53 and an R<sup>2</sup> of .28 (F(10, 483) = 5.19, p = .001).

This 10-item actuarial risk assessment scale was the final product of the Sex Offender Management Board for use with sex offenders in Colorado correctional placements. Each item is to be scored 0 or 1 (no or yes, respectively), so an offender can receive a score of 0 to 10. Scores of 4 and above represented the best trade-off between sensitivity and specificity and, as such, that cut-off is used. The scale is presented in Table 4.

*12-Month Prediction*. The scale predicts that offenders who score 0-3 points on the 10 factors in Table 4 have approximately a 50-50 chance of re-offending. Half of the offenders scoring 0-3 will be revoked or on the brink of failure within 12 months, and the other half will be successful. This inability to confidently identify lower risk offenders is a finding consistent with the risk literature that clearly indicates the predictive power of actuarial tools lies in identifying at-risk offenders.

jects are in a group with a high risk scale score and other subjects are in a group with a low risk scale score. The odds of failing are higher for those with the high scale scores and that Odds Ratio is 2.05 (95% Confidence Band = 1.21 to 3.47). The interpretation of this statistic is that
University of the second se

English, Retzlaff, and Kleinsasser	fore (English & Mande, 1991), employment may reflect an individual's higher level of functioning (compared to hose not employed), and lower functioning-as measured by unemployment-may predic failure. <i>Hear Five</i> . The victim was intoxicated when the crime was commit- ted. This risk factor is one of many index crime characteristics: ollected and analyzed in the current study. The data element refers to antoxica- tion by drugs, alcohol or both. This item is important becauss it likely reflects the method of operation used by the offender to increase the vic- tim's vulnerability. Indeed, the offender file experienced an ercection during the index crime. It should be made clear that this is probably not the same issue as derial. Not surprisingly, this group was significantly more likely to receive a prison sentence for the current crime compared to probation or community corrections. It may tap indi- vidual aggression as measured separately from criminal history and be- havior during the index crime. It also may measure attraction and interest in power, domination and violence rather than sex. Further analysis of the sucressful group was equate of 10,69 (p. < 001) at the 12-month point. <i>Hem Seven</i> . The offender possessed a weepon during the ci- cess and failure groups. Only 26% of the sucressful group was dragares to suc- cess and failure groups. Only 26% of the sucressful group was dragares to failure strandle corrections. It may tap indi- interest in power, domination and violence during the current crime. Soving a 1 on this frem clearly separates the suc- cess and failure groups. Only 26% of the sucressful group was dragares to failure groups. Only 26% of the sucressful group was dragares to failer strandle corrections. It may tap indi- interest in power, domination and violence during the current crime. Soving a 1 on this fractor ones are drafted to be according the index crime that he offender use the weapon, only that he possessed a weapon on his person during the index crime to predict future sexath are comm
90 JOURNAL OF CHILD SEXUAL ABUSE	ature as an important risk factor. Hawkins and Catalano (1993) have summarized their review of 30 years of delinquency research on risk factors for co-occurring problem behaviors, including delinquency, endorse the social development model of delinquency propose that spe- cific factors cause the onset, maintenance, and continuation of delinquent careers and that these factors occur in relation to the chromological devel- opment of the child [Elliot, 1994; Farrington, 1986, 1991). <i>Item Two.</i> Prior adult felony convictions. The common adage "past behavior" is frequently mentioned in risk re- search. In fact, prior adult criminality, and meatly every risk instrument contains one measure of this factor. In criminology research, this information is relatively easily obtained from electronic files and institutional rec- ords, increasing its value to researchers. <i>Item Three</i> . The offender failed first or scoond grade. As mentioned in the discussion for ltem One, above, the delinquency research clearly identifies evidence of early childhood problems to correlate contains of in the discussion for ltem One, above, the delinquency research clearly identifies evidence. The offender failed first or scoold grade. As mentioned the age of 16° as a predictor of general violence and sexual violence (Ouinsey, 1984). This item is also even more closely related to the "ele- mentary school maladjustment" items found in both the VRAG and gisorder. Children with chronic ill health or central nervous system damage have three to five times the risk of conduct disorders (Brown, Chadwick, Shaffer, Rutter, & Traub, 1981; Cadman et al., 1986). Loeber and Dishilon (1983) found in both the VRAG and gisorder. Children with other legisly devine disorders (Brown, chadwick, Shaffer, Rutter, & Traub, 1981; Cadman et al., 1984; the predictive power increases. <i>Item Four.</i> Not employed full time at arrest. Employment has been istics, the predictive power increases. <i>Item Four.</i> Not employed full time at arrest. Employment has been ifendified by Ha

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English, Retzlaff, and Kleinsasser	Second, this scale was both developed and validated on the same sample. We attempted to add some independence through the use of two time points to collect outcome data. A better approach would be to have another sample of subjects, apply the risk scale to them, and then wait for outcome data. This approach was inconsistent with the time and ap- propriations given by the legislature to develop this scale. Our hope is to collect further data as funding and opportunity presents itself. Along	that same line, our validity statistics will "shrink" upon cross-valida- tion. As such, comparing our validation statistics to those of other in- struments subjected to cross-validation such as in the Barbarce, Seto, Langton, and Peacock (2001) review is premature. The third limitation involves the therapist ratings of the offenders. This dynamic set of variables captured by our checklist is laudable in that they may be the focus of therapy and are allowed to change over time (unlike history variables). The problem is that not only were the therapists en- dorsing the checklist but they were also providing the outcome data. As	such, there is likely a lack of independence between the predictors and criterion. We attempted to moderate this by collecting the checklist in the first month of therapy and then collecting outcomes at 12 and 30 months. The final obvious limitation is also related to the dynamic therapist check-	list variables. We developed this instrument to collect data felt to be impor- tant. Unfortunately, new instruments require a great deal of psychometric work in the areas of reliability and validity. We were able to calculate inter- work in the areas of reliability and validity. We were able to calculate inter- anal consistency statistics but we were unable to collect other information such as inter-rater concordance. Work continues on this instrument. In sum, it is hoped that this sex offense risk scale is viewed as a rea- sonable effort to develop an empirically-based, actuarial algorithm. It also is a fairly reasonable mix of historical, criminal, sexual, and thera- peutic variables. Future work should be aimed at continuing the valida- tion process and identifying dynamic, therapeutic variables that are ar important addition to risk assessment in this area.	REFERENCES Barbaree, H. E. & Marshall, W. L. (1988). Deviant sexual arousal, offense history, de mographic variables as predictors of reoffense among child molesters. <i>Behaviora</i> <i>Sciences and the Law, 6, 267-280.</i> Barbaree, H. E., Seto, M. C., Langton, C. M. & Peacock, E. J. (2001). Evaluating th predictive accuracy of six risk assessment instruments for adult sex offenders <i>Criminal Justice and Behavior, 28,</i> 490-521.
92 JOURNAL OF CHILD SEXUAL ABUSE	levels of denial, and fortunately assisted in the development of the Checklist. Checklist. <i>Item Nine</i> . The offender scored 20 or more on the CO-SOMB Devi- ant Sexual Practices Subscale. As noted in the review of risk factors presented earlier in this report, deviant arousal has been found to predict presented earlier in this vehen it is paired with psychopathy. It is,	though, modeled through phallometric measures on the SOKAGO. <i>Item Ten.</i> The offender scored below 20 on the CO-SOMB Motiva- tion Subscale. This item reflects the extent to which the offender is mo- tivated to participate in sex offender treatment, as measured during the first month of involvement in therapy. Active participation in the inter- first month of involvement is linked to successful supervision evaluation, treatment and monitoring is linked to successful supervision during the first 12 months of placement. This dynamic measure is most similar to the motivation element of the MASORR.	LIMITATIONS OF ACTUARIAL PREDICTION AND THE CURRENT STUDY	The science of risk prediction is imperfect and the development of this risk scale is no exception. In general, prediction variables are lim- ited to data available in the file and to items that have a practical or theo- retical link. The research literature is quite clear that criminal history, rifestyle and social adjustment variables, and opportunity are relevant lifestyle and social adjustment variables, and opportunity are relevant ods are limited because offenders in any study group may vary on fac- tors not measured. Prediction tools may lose efficiency over time. Generalizability of prediction tools across jurisdictions is questionable, and tools are at their best when used with populations on which they were developed (Farrington & Tarling, 1985).	There are several potential intrinuous of the that was truly specific to the best of worlds, we would develop a scale that was truly specific to sex offenders and sex re-offense. Several in the literature have sug- seted that a general criminal recidivism is what these types of scales gested that a general criminal recidivism is what these types of scales usually tap and as such several of the available scales should do an ade- quate job. If only sexual offense related items are included, then far less quate job. If only sexual offense related items are included, then far less of the variance in the outcome variables can be modeled. The current scale attempts to mix general criminal variables such as the felony his- tory with instant sex crime variables with the dynamic therapist vari- ables. This is far from perfect but perhaps a compromise.

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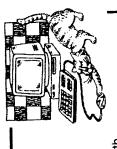
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