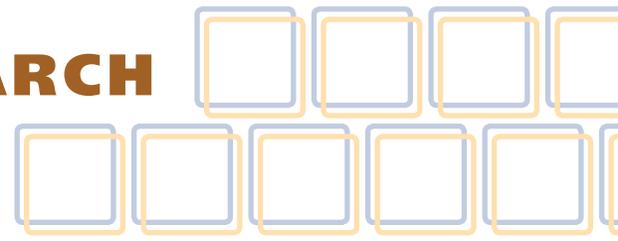




SOMAPI RESEARCH BRIEF

SEX OFFENDER MANAGEMENT ASSESSMENT AND PLANNING INITIATIVE

Luis C.deBaca, Director • July 2015



The Effectiveness of Treatment for Adult Sexual Offenders

by Roger Przybylski

Introduction

Therapeutic interventions aimed at reducing the likelihood of reoffending are a staple of contemporary sex offender management practice. Although there is strong scientific evidence that therapeutic interventions work for criminal offenders overall, the effectiveness of treatment for sex offenders has been subject to debate.

This brief addresses the effectiveness of treatment for adult sexual offenders. Based on a review of the scientific literature, it summarizes what is scientifically known about the topic and identifies policy implications and knowledge gaps that have emerged from the extant research.

Summary of Research Findings

The effectiveness of treatment for sex offenders has been assessed in both individual studies and synthesis research. There is general agreement in the research community that, among individual studies, well-designed and executed randomized controlled trials (RCTs) provide the most trustworthy evidence about an intervention's effectiveness.¹ Findings from a single study, however, must be replicated before definitive conclusions about the effectiveness of an intervention can be made.² Synthesis studies, such as a systematic review³ or meta-analysis,⁴ examine the findings from many individual studies and are undertaken to reach conclusions about an intervention's effectiveness based on an entire body of relevant research. When systematic reviews and meta-analyses are done well, they arguably provide

About SOMAPI

In 2011, the SMART Office began work on the Sex Offender Management Assessment and Planning Initiative (SOMAPI), a project designed to assess the state of research and practice in sex offender management. As part of the effort, the SMART Office contracted with the National Criminal Justice Association (NCJA) and a team of subject-matter experts to review the literature on sexual offending and sex offender management and develop summaries of the research for dissemination to the field. These summaries are available online at <http://smart.gov/SOMAPI/index.html>.

A national inventory of sex offender management professionals also was conducted in 2011 to gain insight about promising practices and pressing needs in the field. Finally, a Discussion Forum involving national experts was held in 2012 for the purpose of reviewing the research summaries and inventory results and refining what is currently known about sex offender management.

Based on the work carried out under SOMAPI, the SMART Office has published a series of Research Briefs, each focusing on a topic covered in the sexual offending and sex offender management literature review. Each brief is designed to get key findings from the literature review into the hands of policymakers and practitioners. Overall, the briefs are intended to advance the ongoing dialogue related to effective interventions for sexual offenders and provide policymakers and practitioners with trustworthy, up-to-date information they can use to identify what works to combat sexual offending and prevent sexual victimization.



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Findings From Individual Studies

One of the few studies to use an RCT design to evaluate the effectiveness of treatment for adult sex offenders was conducted by Marques and colleagues (2005). Widely known as the California Sex Offender Treatment and Evaluation Project (SOTEP), the study examined the effects of a cognitive-behavioral/relapse prevention program on the recidivism of sex offenders who were serving prison sentences for child molestation or rape. Based on a mean follow-up period of approximately 8 years, the study found no significant differences in sexual or violent recidivism between treated sex offenders and two untreated control groups.

Due to its use of random assignment, the SOTEP study is frequently cited as evidence that treatment for sex offenders is ineffective. However, Marques and her colleagues (2005) have pointed out that the study's treatment and control groups likely differed in important ways, and the treatment program itself did not fully adhere to the risk-need-responsivity (RNR) principles of effective intervention. Moreover, some of the treatment subgroups—such as high-risk offenders who “got it,” meaning that they derived benefit from the program or basically met specified treatment goals—recidivated at a significantly lower rate than offenders who “did not get it.”

Given the findings from the SOTEP study, it is important to recognize that treatment effectiveness can be dependent on a variety of factors, including the treatment climate, program delivery, and how the participant responds to treatment (Friendship, Mann, and Beech, 2003, p. 4). In their study of community-based treatment, for example, Beech and colleagues (2001) found that offenders who were responsive to treatment (based on change in pro-offending attitudes) were less likely to sexually recidivate than offenders who were not.

Several recent studies conducted in prison-based settings also suggest that treatment works.⁵ For example—

- A study of a program in a Canadian prison that employed a cognitive-behavioral approach and subscribed to the RNR principles of effective intervention found that treatment produced significant reductions in sexual recidivism (Oliver,

Wong, and Nicholaichuk, 2008). Treated sex offenders in the study had sexual reconviction rates of 16.9 percent after 5 years and 21.8 percent after 10 years, compared to sexual reconviction rates for the untreated sex offenders of 24.5 percent after 5 years and 32.3 percent after 10 years of followup.

- A study of a prison-based therapeutic community treatment program in Colorado found that participation in treatment was significantly related to success on parole (Lowden et al., 2003). Sex offenders who completed treatment and participated in aftercare had revocation rates three times lower than untreated sex offenders. Each additional month spent in treatment increased the likelihood of success upon release by 1 percent (12 percent per year).
- In Minnesota, Duwe & Goldman (2009) found that participating in treatment significantly reduced the likelihood and pace of recidivism. For offenders who completed treatment, the observed sexual, violent, and general rearrest recidivism rates were 13.4 percent, 29 percent, and 55.4 percent, respectively. By comparison, the observed sexual, violent, and general rearrest rates for sex offenders who did not participate in treatment were 19.5 percent, 34.1 percent, and 58.1 percent. This study is important because it used propensity score matching (PSM) to create the study's comparison group. PSM is a sophisticated statistical technique for achieving greater equivalence between the treatment and comparison offenders.

Findings From Synthesis Research

Although early reviews of sex offender treatment outcome research produced inconclusive results,⁶ synthesis research conducted more recently has produced more positive, albeit qualified findings.⁷ In a meta-analysis of 43 studies of psychological treatment for sex offenders, for example, Hanson and colleagues (2002) found that treatment produced a small but statistically significant reduction in both sexual and overall recidivism.⁸ The researchers also reported that newer treatment programs were found to have a positive treatment effect, whereas older treatment programs were associated with a small but nonsignificant increase in sexual recidivism.

Although the Hanson et al. (2002) meta-analysis was criticized by Rice and Harris (2003) for relying on poor-quality studies, three important meta-analyses that



offenders. Specifying what types of treatment work, for which type of offenders, in which situations, is a key research priority.

Subgroup analyses are particularly important because the positive effects of treatment for a particular subgroup of offenders can be masked in a finding that treatment failed to have a positive impact for the overall treatment sample. Researchers must be diligent, however, not to selectively emphasize treatment benefits for a subgroup of study subjects while ignoring findings for the larger treatment sample (Sherman, 2003; p. 13). New treatment models, such as the GLM, also need to be rigorously evaluated to assess their effectiveness at reducing recidivism.

Summary and Conclusions

This review examined the evidence on treatment effectiveness from both individual studies and synthesis research. Although there is agreement among researchers that the knowledge base is far from complete, the evidence suggests that that treatment for sex offenders—particularly cognitive-behavioral/relapse prevention approaches—can produce reductions in both sexual and nonsexual recidivism. Treatment, however, does not affect all sex offenders in the same way. Treatment may have a differential impact, depending on the characteristics of the treatment participant and other contextual factors. Hence, rather than following a one-size-fits-all approach, treatment is apt to be most effective when it is tailored to the risks, needs, and offense dynamics of individual sex offenders. There is also evidence that the RNR principles are important for sex offender treatment. Hanson et al. (2009) found that treatment that adhered to the RNR principles of effective intervention showed the largest reductions in recidivism. In discussing their findings, Hanson and colleagues stated that “we believe that the research evidence supporting the RNR principles is sufficient so that they should be a primary consideration in the design and implementation of intervention programs for sex offenders” (p. 25).

Notes

1. See, for example, Sherman et al. (1998), MacKenzie (2006), and Farrington and Welsh (2007).

2. See, for example, Lipsey (2002), Petrosino and Lavenberg (2007), and Beech et al. (2001).

3. Narrative reviews were the most common form of synthesis research in the past, but today researchers primarily rely on a more objective and quantitative process called a systematic review. Unlike a narrative review, a systematic review adheres to a pre-established protocol to locate, appraise, and synthesize information from all relevant scientific studies on a particular topic (Petrosino & Lavenberg, 2007). For an example of a systematic review, see Lösel and Schmucker (2005) or MacKenzie (2006).

4. Systematic reviews are increasingly incorporating a statistical procedure called meta-analysis, which helps to reduce bias and the potential for erroneous conclusions. In practice, meta-analysis combines the results of many evaluations into one large study with many subjects, thereby counteracting a common methodological problem in evaluation research: small sample sizes.

5. In addition to Oliver, Wong, and Nicholaichuk (2008), see McGrath et al. (2003) and Zgoba and Simon (2005).

6. See, for example, Furby, Weinrott, and Blackshaw (1989) and the General Accounting Office (1996).

7. One exception to the pattern of recent positive review findings comes from a systematic review focused on psychological interventions for sex offenders, conducted by Kenworthy and colleagues (2004). Nine studies, all RCTs, were included in the analysis and the researchers concluded that, due to limited data, the effects of treatment are unclear.

8. Average followup periods ranged from 1 to 16 years, with a median of 46 months.

9. These recidivism rates are based on the sample size-weighted average for treated and comparison groups. The unweighted average recidivism rates were 12 percent for the treated groups and 24 percent for comparison groups. The average followup period for treated sex offenders was 63.54 months (5.3 years), and the average followup period for untreated offenders was 62.41 months (5.2 years).

10. MacKenzie also examined how various substantive and methodological characteristics of the studies affected treatment outcomes. In one analysis, the effects of various treatment types were examined

using only studies having high-quality methodology. Based only on these high-quality studies, MacKenzie found that cognitive-behavioral/relapse prevention treatment, behavioral treatment, and hormonal medication significantly reduced sexual recidivism. For sex offenders receiving cognitive-behavioral/relapse prevention treatment, the average recidivism rate was 9 percent, compared with an average recidivism rate of 21 percent for untreated sex offenders.

11. Average followup periods ranged from 1 to 21 years, with a median of 4.7 years.

12. See Yates and Kingston (2006), Yates et al. (2009), and Kingston, Yates, and Firestone (2011).

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ABOUT SMART

The Adam Walsh Child Protection and Safety Act of 2006 authorized the establishment of the Sex Offender Sentencing, Monitoring, Apprehending, Registering, and Tracking (SMART) Office within OJP. SMART is responsible for assisting with implementation of the Sex Offender Registration and Notification Act (SORNA), and also for providing assistance to criminal justice professionals across the entire spectrum of sex offender management activities needed to ensure public safety.