

Exploring the Professional Literature of Social Work Interventions for Sexual Addiction

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Abstract

The purpose of this research is to review the literature utilizing the “Cochrane Methodology” regarding the prevalence of sexual addiction to assist clinicians to better understand diagnosing, treating, and creating a therapeutic alliance with clients who exhibit sexually addictive, sexually compulsive, or hypersexual behaviors. This manuscript reviews the prevalence of sexual addiction amongst client populations by reviewing the professional social work literature to examine interventions and treatment of sexual addiction. By doing so, perhaps this paper will assist clinicians to better understand diagnosing, treating, and creating a therapeutic alliance with clients who exhibit sexually addictive, sexually compulsive, or hypersexual behaviors. While research supports the reality of addictions and addictive behaviors through abundant research and case studies, there is a major lack of empirical research and literature that supports sexual addiction specifically, as well as a lack of literature that teaches clinicians how to work with this population. This Systematic Literature Review (SLR) uses the keywords: sexual addiction, intervention, and social work, to examine the literature published on sexual addiction within the last ten years. The review confirmed the prevalence of sexual addiction in clinical settings and supported the need for additional literature and clinical education on sexual addiction. Additional research on sexual addiction is necessary for social workers to work in their scope of practice and to use evidence based research that will help clients create sustainable change.

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Introduction

There are several types of addictions that can affect a person in their lifetime. These addictions can range in type, form, and level of impact on the individual's daily functioning, from process addictions to behavioral addictions. Sexual Addiction, also known as hyper-sexuality or sexual compulsive behavior, is a relatively unknown addiction. Sexual addiction is a behavioral addiction^[1] that is defined by Barrilleaux^[2], as a “persistent and escalating pattern of problematic sexual behavior, repeated over and over again, despite negative consequences to self and others”.

Approximately 17 to 37 million Americans struggle with sexual addiction^[2]. The combined number of gambling addicts and those who have eating disorders are fewer than those who have a sexual addiction in the United States^[2]. The large

number of individuals dealing with sexual addiction reveals the relevancy for additional empirical research, diagnosis understanding, and educational training for clinicians^[1].

Hughes (2012) explains that some of the main characteristics of the sexual addiction are “intense sexual urges, recurring fantasies and out of control sexual behavior”. Sexual addiction has become a major concern in the therapeutic realm because of the increased education of the addiction and the rise of sexual addiction cases in clinical settings. This review discusses several topics present in the conversation about sexual addiction as reviewed in the literature, including sexual addiction and its relationship with: trauma, attachment, mental health, pornography, relationships, and recovery/treatment.



Previous Experiences

Previous trauma, life experience, and poor attachment styles have been shown to be precursors for this sexually addictive behavior. Out of Control Sexual Behavior (OCSB) has been studied as a defense mechanism against conflict and anxiety that individuals may exhibit when they are unable to form secure attachments with others^[3]. Further, Crocker (2015) also reported that these out of control sexual behaviors may be an attempt at affect regulation, possibly resulting from insecure or avoidant attachment with a caretaker or parent in childhood. These actions that occur in childhood greatly impact the rest of the individual's life. Relational and sexual schemas develop in children around the age of puberty which, lasts throughout their lifespan as they meet and start new relationships^[4].

Other childhood experiences have also had implications on the future sexual behaviors of individuals such as childhood sexual trauma. In regards to sexual offenders, incidents of Adverse Childhood Experiences (ACE) are found in this population at higher rates than the average male population^[5]. Sexual behaviors increase with life stressors, depression, and anxiety, and may be the result of childhood trauma^[6]. Delboy (2015) also noted that loneliness may be a trigger for this abnormal sexual behavior.

“Molestation in childhood can make a unique contribution to sexually abusive behavior through a number of avenues: compensation for feelings of powerlessness, social learning by which individuals model their own abuser's behavior and distorted thinking, or through the association of sexual arousal with adult-child sexual situations,”^[5].

Wilson and Widom (2008) explored the reactions to childhood sexual abuse; this list includes “sexual inhibition, sexual avoidance or aversion, low desire, and vaginal or pelvic pain, sexual dis-inhibition, compulsive or impulsive sex, risk-taking sexual behaviors, and numerous sequential or simultaneous sexual partners.”

Linkage to Mental Health

The review of the professional literature supports that sexual addiction is, majority of the time, combined with another mental health diagnosis^[7-9]. According to Rosenberg, Carnes, & O'Connor (2014), disorders related to sexual addiction could be, “affect dysregulation, depression and anxiety, impulsivity, loneliness, low self-worth and insecure attachment styles, personal distress, risk-taking behaviors such as substance abuse, and self-hatred and shame”.

Because of the linkages to other mental health diagnoses, it can be difficult for a clinician to correctly diagnose and treat sexual addiction.

Addicts' Use of Pornography

In a specific study by Young^[10] (2008), one participant reported “Every time I felt stressed with another deadline at work or assigned a new case, I relaxed by looking at porn sites”. Access to the internet may contribute to sex addictions as it may be easier, more convenient, and, perhaps, more private than without internet. Pornography allows the addict to indulge in their fantasies without having to interact with others. This behavior becomes particularly concerning when the addict secludes him or herself and becomes consumed in their addiction. A study conducted by Short, Wetterneck, Bistricky, Shut-

ter, & Chase^[11], (2016) suggested that youth and adult clients reported *using pornography* as their most frequent presenting problem. Cavaglion^[12] (2008) examined participants (N = 302) who sent over 2,000 messages to each other in this anonymous self-help online forum for individuals with cyberporn dependency. The group motivated each other and the group itself became a replacement addiction for some. One of the foci of this group is that those with the *cyberporn dependency* need to see that those individuals in the media portrayed may be suffering too, in hopes of creating more positive attitudes in the participant's overall mental and emotional states^[13].

Sexual Addiction's Impact on Couples

Sexual addiction can affect couple relationships by violating boundaries, creating trust problems, and causing intimacy issues^[13-15]. They also found that the intimate relationship is not only the most vulnerable to addiction, but it can also be a place of security and strength, conducive to recovery. Interventions that include both partners tend to be more successful, especially when the underlying cause of the addictive behavior is being treated^[15].

Treatment and Recovery

Many case studies have been conducted to help therapists understand how to treat and help people recover from this addiction. Multiple studies show that individual and group therapy are successful in treating sexual addiction and are the most common^[12]. Though individual and group therapy are frequently utilized for treatment there are many more interventions that are used such as “cognitive behavioral therapy, dialectical behavioral techniques, psychoanalysis, family therapy, motivation training, 12-step and peer-support programs, self-help, diet and exercise enhancement, and psychopharmacology”^[15]. Other forms of treatment and recovery plans are the use of meditation, Eye Movement Desensitization and Reprocessing (EMDR), Acceptance and Commitment Therapy (ACT). Because of the similarities to other addictions, sexual addiction has become easier to treat.

Much unknown about sexual addiction and this creates uncertainties when conducting research. Another interesting factor noted is that a practitioner may not seek out the symptoms or diagnosis for an individual due to their lack of knowledge and awareness about sex addiction^[12]. Sex addiction is becoming more prevalent in today's society; therefore, it is imperative for social workers to be educated and readily able to recognize the symptoms of this epidemic.

The authors have completed a SLR using keywords [social work + sexual addiction + intervention]. Ten articles were found and used from the SLR and were chosen by: publication years 2006-2016, peer-reviewed, English, adult population, specific databases chosen, and face validity. As this is an exploratory study, this review has no hypothesis. The purpose of our SLR was to make it known to the social work profession, and other related professions, that sexual addiction is a rising concern. Those who have a sexual addiction are not being recognized because there has not been enough research to properly diagnose or treat. There have been many methods of treatment tested and found to be beneficial to those with a sexual addiction, however the research is still lacking in the social work profession. Social workers must become more familiar with this addiction, so that

they are able to practice within their scope as this population continues to rise.

Methods

For our research, the authors used the Cochrane systematic review model. The Cochrane model, which is considered to be the highest standard of review, is an internationally recognized model of systematic reviews of primary research within the human healthcare and health policy fields. A Systematic Literature Review (SLR) is a way for reviewing all the data and results from research about a particular question in a standardized and systematic way in order to minimize bias. Only literature that meets the criteria set by the researchers is included in the systematic review^[16].

In order for a literature review to be considered as ‘systematic,’ it must meet specific criteria; that the review is based on clearly formulated questions, identifies relevant studies and appraises their quality, and summarizes the evidence by use of explicit and systematic approaches that differs from traditional reviews and commentaries. As shown in Tables 1, 2, 3, and 4, the authors were able to show the methods used in finding the research articles their systematic literature review incorporates as well as, which articles were selected for this study, which articles were excluded from this study, and the reasons why these articles were included or excluded^[16].

Table 1: Literature Review Matrix for References.

Study	N	Activities	Research Design	Measures	Statistical Analysis	Outcomes
Barrilleaux, J.C. (2016) ^[21]	N=95		Literature review			Explores treatment options and calls for further evidence based research (EBR) to support treatment of sexual addiction.
Richard, T. (2011) ^[4]	N=2	questionnaires, group process	case study: Selwyn, Liam	Young Schema questionnaire (YSQ)		Study reviews the link between sexually compulsive behaviors and the enactments of paraphilias, found they are both responses to negative affected states to the past.
Bird, M. (2006) ^[15]	N=23		Literature review			Therapists have a general lack of awareness of what may be signs of sexual addiction, group and individual therapy session seem to prove efficient for treatment
Cavaglion, G. (2008) ^[13]	N=302	Analyzed 2,000 messages sent in an anonymous self-help internet community for cyberporn dependency	Qualitative	Internet Sex Screening Test (ISST), Boredom Proneness Scale (BPS), Social Connectedness Scale (SCS)	Chi-Square analysis, Multivariate analysis of variance (MANOVA)	The participant became addicted to the online group, superseding their cyberporn addiction
Chaney, M. P. et al (2006) ^[22]	N=517	Surveys	Quantitative	Internet Sex Screening Test (ISST), Boredom Proneness Scale (BPS), Social Connectedness Scale (SCS)	Chi-Square analysis, Multivariate analysis of variance (MANOVA) Turkey's Post Hoc Analysis.	Sexually Addicted Men Seeking Men (MSM) spent significantly more hours online in any given week engaged in or seeking sexual activities than non-addicted men. Internet sexually addicted MSM reported increased levels of boredom and decreased feelings of social connectedness

Cohen, L. R., et al (2009) ^[23]	N=214	Sexual Experiences and Risk Behavior Assessment Schedule (SERBAS) administered through audio-computer assisted self-interview.	Quantitative	Sexual Experiences and Risk Behavior Assessment Schedule (SERBAS), Abuse Experiences Questionnaire (AEQ), Addiction Severity Index (ASI)	Mixed Effects Modeling (MEM) used to test effect if main factors	increase days of cocaine/stimulant use for women with child sexual abuse(CSA) increased unprotected sexual occasions(USO). CSA correlates with unprotected sexual occasions depending on drugs used and the severity of the drugs.
Cox, R. et al (2007) ^[24]	N=12	12 Step treatment plan	Qualitative			EMDR has effectively treated much of the trauma associated with the addiction, while also helping in relapse prevention
Crocker, M. M. (2015) ^[3]	N=100	Questionnaires	Qualitative	Sexual Compulsivity Scale (SCS), demographic questionnaire, Experience in Close Relationship Scale (ECR)		Positive correlation found between both anxious and avoidant attachment and sexual compulsivity
Dauber, S., et al (2015) ^[25]	N=31	3 months private treatment program, assessments	Quantitative	Trauma Symptom Checklist for Children (TSCC), standardized questionnaire.		Overall no significant correlations were found Pre and post test treatment were largely consistent across all clients.
Delboy, S. (2015) ^[7]	N=1		Case study- Frank	Sexual Symptom Assessment Scale (SSAS)		This study expressed the value of the process of EBP for a client overcoming a sexual addiction more than the content of the treatment plan
Edmond, T., et al (2006) ^[26]	N=99	Longitudinal Study, Questionnaires,	Qualitative	Childhood Trauma Questionnaire, Likert Scale, Youth Self Report (YSR), Life Orientation test-revised (LOT-R), Future Time Perspective Inventory (FTO)	Multivariate analysis, SPSS	The girls with resilient trajectories were significantly more certain of their educational plans and optimistic about their future and had more positive peer influences.
Hagedorn, W. B. (2009) ^[27]	N=174	Online questionnaire		93- item sexual addiction instrument created through a systematic transformation process, demographic questionnaire		Research explores need for sexual addiction counseling competencies for graduate students in helping professions.
Hsieh, Y., et al (2016) ^[28]	N=6233 fourth-grade students	Self-report questionnaires		ISPCAN Child Abuse Screening Tool Children's Version (ICAST-C) Childhood Experiences of Violence Questionnaire (CEVQ) Chinese Internet Addiction Scale (CIAS)		Because Internet addiction and substance dependence share similar characteristics and family risk factors (Beard and Wolf, 2001 and Yen et al., 2007), the association between maltreatment and substance abuse might be similar to the association between maltreatment and Internet addiction. our study consistently found associations between child maltreatment and Internet addiction.

Hughes, B. (2012) ^[1]	N = 87 Adult participants	pilot-study, focus-groups, questionnaires and interviews	Qualitative			Therapists need more training to correctly diagnose and treat. Treatment could include: medication, psychotherapy, 12-step fellowship programs and education
Knight, C. (2015) ^[29]	N=0		commentary			Adult survivors of childhood trauma are challenging to help treat due to long term effects of the victimization. Provides support and suggestions to clinicians treating survivors in a variety of clinical settings. Argues for a trauma informed practice rather than trauma based
Levenson, J. (2016) ^[5]	N= 679 Males			Adverse Childhood Experiences (ACE) scale, Substance Abuse Scale	Descriptive Statistics from scales given	Sex offenders have higher rates of adverse childhood experiences (ACE) than males in the general population
Love, H. A (2016) ^[16]	N=57		Editorial/ Commentary; practice model idea			Presented a practice model that has not yet been clinically tested for SA. The proposed treatment model identifies and explores the effects of sexual addiction on the romantic relationship and facilitates the couple's recovery from the addiction through the formation of a secure attachment
Miles, L. A (2016) ^[30]	N=7	Literature Review				This article was a literature review of several different treatment intervention options, such as Acceptance and Commitment Therapy (ACT)
Phillips B (2015) ^[8]	N=68		Editorial/Com-mentary			'Sex addiction' faces resistance and scrutiny due to outdated information, cultural/historical misconceptions, and current research based upon morality.
Phillips, L. A. (2006)	N=14		Literature review			'Sex addiction' faces resistance and scrutiny due to outdated information, cultural/historical misconceptions, and current research based upon morality.
Riemersma, J (2013) ^[20]	N=82		Editorial/ Com-mentary			Sexual addiction is growing and has changed to include pornography. SA is usually connected to another mental health issue. A growing population of people are needing treatment for this addiction, but few professionals are trained to do so
Rosenberg, K (2014) ^[10]	N=99		Editorial/ com-mentary			Sexual addiction is rapidly growing. Sexual Addiction is usually attached to another mental health diagnosis

Samenow, C. P (2010) ^[31]	N=10		Editorial			Critically examines the use of the term 'Sexual Addiction.' Attributes lack of DSM classification to misuse of the term. Argues for its inclusion due to patients' experiences with loss of control, behavioral reinforcement, affective dysregulation, and impairment in cognitive and executive functioning.
Seedall, R.B (2008) ^[14]	N=2		Case Narrative			Explores foregoing conceptual framework by delineating a variety of attachment-anchored, enactment-based interventions that may be adapted to the varying recovery & relationship needs of couples. Followed by an explanation of the value added when facilitated within enactment context.
Short, et. al (2016) ^[12]	N=183	Self-rated questionnaire	Qualitative	fill-in-the blank or Likert-type scale form	Statistical Package for the Social Sciences (SPSS) version 17.	Study understands how sex addiction and IP use-related issues are presented to various Mental Health Professionals (MHP), and how MHPs theorize and treat issues.
Stavro, K (2013) ^[9]	N=211	Michigan Alcohol Screening Test, Beck Depression Inventory, Beck Anxiety Inventory, Social Phobia Inventory, Adult ADHD Self-Report Scale, Sexual Addiction Screening Test - Revised (SAST-R)	Quantitative	Michigan Alcohol Screening Test, Beck Depression Inventory, Beck Anxiety Inventory, Social Phobia Inventory, Adult ADHD Self-Report Scale, Sexual Addiction Screening Test - Revised (SAST-R)	Chi-Square Tests, One way analysis of variance	Men twice as likely than women to experience hypersexual behaviors in general public. Social phobia strongly correlated with positive screenings of SAST-R.
To, S et al (2012)	N= 503	Structured Questionnaire	Qualitative/ Quantitative	Frequency of adolescents' accessing SEOM Reactions to SEOM Sexual Attitudes The Sexual Beliefs Scale The Premarital Sexual Permissiveness Scale Sexual knowledge Sexual Behavior The Sexual Daydreaming Scale of the Imaginal Processes Inventory	Descriptive Statistics from scales given	The results indicated that adolescents' frequency of accessing and reactions to SEOM were positively linked to their acceptance of stereotyped gender roles and power imbalance in sexual relationships, permissiveness of premarital sex, sexual compulsion, and sexual daydreaming
Vaillancourt Morel et al (2016) ^[17]	N=1,033	Online Self-Report Questionnaires	Quantitative	Sexual Compulsivity Scale, Sexual Avoidance Scale, Likert Scale	Frequencies, SPSS 20, t-tests, ANOVA, chi-square	Findings indicate that childhood sexual abuse has a positive correlation to Adult sexual outcomes. Adult relationship status also has a strong correlation between sexual avoidance and compulsion

Van Gordon, W (2016) ^[18]	N=1	In person interviews and tests	Case Study	1) 45-item Sexual Addiction Screening Test was administered 2) 21-item Depression, Anxiety, and Stress Scale 3) Abridged Job in General Scale 4) seven-item Non-Attachment Scale 5) even-item Pittsburgh Sleep Quality Index 6) Goal Attainment Scale	Significant improvements were made with in addictive sexual behavior as well as depression and psychological distress by using mediation
Wiechelt, S. A (2015) ^[32]	N=6		Literature Review		Six articles were examined for relational strengths between trauma and addiction.
Woody, J.D (2011) ^[6]	N=39		Systematic Review		Article synthesizes information on sexual addiction relevant to social work practice and pushes for further education for clinicians.
Young, K. S (2008) ^[11]	N=26		Editorial/ commentary		Because the internet is so readily available Pornography is become a resource for those who suffer a sexual addiction

Table 2: Synthesis of Keywords for Systematic Literature Review (SLR).

Years	Keywords	Limiters	Number of Articles
1982 - 2017	Sexual Addiction + Social Work + Intervention		N = 192
1988 - 2017	Sexual Addiction + Social Work + Intervention	Scholarly Peer Reviewed	N = 161
2006 - 2017	Sexual Addiction + Social Work + Intervention	Publication in the last 10 years	N = 110
2006 - 2017	Sexual Addiction + Social Work + Intervention	English	N = 110
2006 - 2017	Sexual Addiction + Social Work + Intervention	Using specifically “social work” as search term in quotes, along with Sexual Addiction and Intervention	N = 83
2006 - 2017	Sexual Addiction + Social Work + Intervention	Eliminating duplicates	N = 61
2006 - 2016	Sexual Addiction + Social Work + Intervention	Face Validity- sexual addiction in the title	N = 10

Engine Searches: PsycInfo, Education Research Complete, Soc Index, Social Work Abstract, psyc ARTICLES.

Table 3. Exclusion Table.

	Author	Reason for Exclusion
1	Aminoroaia, M., et al (2010) ^[33]	Article focuses on the priorities of behavioral sciences research from professionals in Isfahan.
2	Aguilar, J.P., et al (2013) ^[34]	Article specifically focuses on methamphetamine use among the gay male culture.
3	Armstrong, G., et al (2014) ^[35]	Specific to substance abuse population and discusses suicide attempts and risk factors among men in India who inject substances.
4	Bohnert, K. M., et al (2014) ^[36]	An analysis of substance use among children. No mention of sex addiction.
5	Booth, B. M., et al (2015) ^[37]	Focuses on substance usage after HIV risk reduction interventions. No relevance to sex addiction.
6	Bowles, M., et al (2012) ^[38]	Article specific to female offender’s substance usage, and how childhood events lead to incarceration.
7	Bryan, A.B., et al (2017) ^[39]	Article specific to older LGB adults with high risk alcohol consumption. Focuses on their roles, supports, and stressors.
8	Calsyn, D.A., et al (2013) ^[40]	Article specifically focuses on a pilot study of HIV prevention interventions for substance abusing males.
9	Calsyn, D.A., et al (2013) ^[41]	Article specifically focuses on differences between men and women regarding condom use, attitudes, and skill sets among substance abuse treatment seekers.

10	Chen, S., et al (2012) ^[42]	Specific towards dual diagnoses of women in treatment for substance abuse. No mention of sexual addiction.
11	Choi, Y.J., et al (2011) ^[43]	Article is specific to creating a HIV/STD prevention model for women with alcohol abuse. Does not focus on sexual addiction.
12	Collins, J., et al (2011) ^[44]	Article focuses on substance users motivation to change risk factors for behaviors related to the risk of HIV and substance usage.
13	Davis, K.C., et al (2009) ^[45]	Article focus is on effects of alcohol and how it influences risky sexual behaviors, and arousal. Was excluded because alcohol was the basis of the study, not a preexisting sexual addiction.
14	Delboy, S. (2015) ^[46]	Focus of article was on women's experiences with alcohol. Discusses similarities and differences amongst sexual orientations.
15	Drabble, L., et al (2014) ^[47]	Focus on linkage between HIV, intimate partner violence among substance using women. Doesn't focus on target population.
16	El-Bassel, N., et al (2011) ^[48]	Study specific to substance usage, and future risk of HIV among women.
17	Engstrom, M., et al (2016) ^[49]	Study specific to substance usage, and future risk of HIV among women.
18	Famouri, M.L., et al (2016) ^[50]	Study specific to couples dealing with HCV drug and not sexual addiction.
19	Flanders, C.E., et al (2015) ^[51]	Linkage to mental health was talked about solely in reference to bisexual experiences and not sexual addiction.
20	Goldbach, J.T., et al (2014) ^[52]	Meta-Analysis focused on substances and stress more than it did sexual addiction.
21	Hien, D.A., et al (2010) ^[53]	Focused on sexual risk behaviors, not sexual addiction.
22	Holland, S., et al (2014) ^[54]	Childhood linkage to adult behaviors focused on parenting and substance use, not sexual addiction.
23	Hutton, H.E., et al (2015) ^[55]	Focused on substances and sexual experiences, did not focus on sexual addiction. Additionally, the study was too narrow for research.
24	Jackson, A., et al (2015) ^[56]	Focused on substances and intimate partner violence, not sexual addiction.
25	Langhorst, D.M., et al (2012) ^[57]	Sexual risk behaviors were the main focus, not the sexual addiction itself.
26	Ludwig-Barron, N., et al (2015) ^[58]	Focused on substances and intimate partner violence, not sexual addiction.
27	Martinez, O., et al (2016) ^[59]	Focused on Latino men and transgender woman in New York, did not focus on sexual addiction.
28	MacMaster, S.A., et al (2009) ^[60]	Focused on substance abuse, was geographically narrow, and focused on sex in the lives of African American women, not sexual addiction.
29	Mason, W. A., et al (2017) ^[61]	Focused on substance use and not sexual addiction.
30	Nicolaidis, C., et al (2013) ^[62]	Article specific to depression and violence, not sexual addiction.
31	Operario, D., et al (2006) ^[63]	Article was specific to homosexual male couples, not sexual addiction.
32	Operario, D., et al (2006) ^[63]	Article was specific to homosexual male couples, not sexual addiction.
33	Panchanadeswaran, S., et al (2008) ^[64]	Article was specific to India and focused on partner violence, not sexual addiction.
34	Peters, R. J., et al (2007) ^[65]	Article was too specific for study and related to sex and not sexual addiction.
35	Peters, E. N., et al (2012) ^[66]	Article was too gender and topic specific to the research on sexual addiction.
36	Pinedo, M., et al (2015) ^[67]	Too geographically specific, not relevant to population in study, and too narrow.
37	Resko, S.M., et al (2016) ^[68]	Article did not meet the population or the research criteria.
38	Shin, S.H., et al (2015) ^[69]	Article was specific to linkage of mental health in regards to addiction, not sexual addiction specifically.
39	Siegel, J.P. (2013) ^[70]	Article was too broad for research.
40	Skinner, M.L., et al (2014) ^[71]	Study focused on substance abuse more than sexual addiction.
41	Syvertsen, J.L., et al (2013) ^[72]	Article specific to HIV/STI prevention.
42	Syvertsen, J.L., et al (2013) ^[72]	Duplicate
43	Staton-Tindall, M., et al (2011) ^[73]	Population used in the article was too specific to fit research.
44	Thompson, P.L., et al (2016) ^[74]	Research was too broad to be used.
45	Thompson Jr.R.G., et al (2011) ^[75]	Gave a more narrow picture of only one small part of the study. Article lacked enough relevant information to be used.
46	Tolou-Shams, M., et al (2012) ^[76]	Linkage to mental health not relevant to population specified in study perimeters.
47	Traube, D.E., et al (2012) ^[77]	Population not specific to study perimeters.

48	Traube, D.E., et al (2013) ^[78]	Study was more specific to just minority drug and alcohol dependents. Participants did not match sexual addiction study perimeters.
49	Tuchman, E. (2015) ^[79]	Qualitative study focused more on substance abuse than sexual addiction.
50	Tuchman, E., et al (2013) ^[80]	Study was more specific to midlife women and substance use than sexual addiction.
51	Witte, S. S., et al (2010) ^[81]	Population not specific to study perimeters.

Table 4. Synthesis of Key Articles for the Systematic Literature Review.

Author/Date	Type of Study	Purpose	General Comments	Strengths & Limitations
Barrilleaux, J.C. (2016) ^[2]	Systematic review	To inform social workers on the ongoing discussion defining sexual addiction and also the interventions being used to treat those with sexual addiction (covert sensation and cognitive behavioral therapy).	General lack of understanding and research on what sexual addiction is and how to treat it. 17-37 million have sexual addiction more men than women	Although there are many strengths in CBT for multiple disorders, there is a need for more research for CBT used with people who have sexual addiction. CS (form of classical conditioning) has been efficient in treating sexual addiction but more empirical evaluation studies are needed.
Cohen, L. R., et al (2009) ^[23]	Quantitative	Investigated how complex relationships among drug use and childhood sexual abuse (CSA) may contribute to unprotected sexual occasions.	Childhood Sexual Abuse has been associated with a variety of risky sexual behaviors in adulthood.	National multi-site clinical trial used, sample size (n=214), Article specifically about women, drug use, and childhood sexual trauma.
Dauber, S., et al (2015) ^[25]	Quantitative	The current study examined the potential impact of an agency-based approach to treatment for children with complex trauma.	The article described treatment phases: Symptom reduction, Adaptive coping strategies, Improvement in family relationships, Integration of traumatic material	Diverse intervention and treatment strategies. Focused on agency-intervention. Small sample size (narrowed down to n=31). Spoke primarily on trauma treatment in children, not necessarily sexual addiction or sexual trauma.
Edmond, T., (2006) ^[26]	Qualitative	To see what factors contributed to the high levels of psychological functioning in sexually abused foster despite past trauma.	Mental health symptomatology found among adolescent sexual abuse survivors includes depression, anxiety, posttraumatic stress disorder, substance use, and behavioral disorders. Healthy supports helped decrease likelihood of psychological issues.	Small sample size (99) Focused solely on African American girls in the foster care system who were sexually abused. Evaluation methods for supports not as thorough.
Hsieh, Y., et al (2016) ^[28]			The study consistently found associations between child maltreatment and Internet addiction.	Self report questionnaires were used, so that may create a biased sample
Knight, C. (2015) ^[29]	Commentary	Educate and support practitioners who encounter survivors of childhood trauma in settings that are particularly likely to serve these individuals such as addictions, mental health, forensics/corrections, and child welfare.	Addresses a gap in the trauma literature by focusing on the many instances in which a survivor of trauma seeks out or is required to seek out treatment, not for the past trauma, but for current problems. Trauma victims more at risk for developing negative disorders.	Focus of treatment deals more on current issues rather than past issues. Challenges regarding a lack of reporting/memories of events from clients, mandatory reporting requirements, countertransference to workers.
Levenson, J. (2016) ^[26]	Quantitative	The purpose of this study was to explore the prevalence of substance abuse indicators in a sample of male sexual offenders, and to examine the influence of adverse childhood experiences on the likelihood of substance abuse outcomes.	Sex offenders have higher rates of adverse childhood experiences (ACE) than males in the general population	One area of concern is that the researchers did not include the data gathered from females for this study. The demographics of the participants were also not representative of the US population. The majority were white (almost 70%)

<p>Miles, L. A., et al (2016) [30]</p>	<p>Quantitative and Qualitative</p>	<p>To give a specific, current definition to Sexual Addiction; to explain treatment for Sexual Addiction such as Acceptance and Commitment Therapy (ACT).</p>	<p>Acceptance and commitment therapy (ACT), combines cognitive behavioral therapy (CBT), acceptance, mindfulness, and behavior change strategies to increase psychological flexibility” was used and decreased levels of sexual compulsivity with the use of pornography in males. EMDR was also used in a case study.</p>	<p>Double-blind procedures were used in one of the experiments, which is a strength to this study. Limitations to this study are like many others; there is not a lot of published information on sexual addiction besides bickering definitions and professional opinions.</p>
<p>To, S., et al (2012)[82]</p>	<p>Quantitative and Qualitative</p>	<p>To investigate the impact of accessing sexually explicit online materials.</p>	<p>The results indicated that adolescents’ frequency of accessing and reactions to SEOM were positively linked to their acceptance of stereotyped gender roles and power imbalance in sexual relationships, permissiveness of premarital sex, sexual compulsion, and sexual daydreaming</p>	<p>The study broadened the conceptualization of the needs and problems faced by adolescents while expanding potential areas of intervention, prevention, and education. This was only based on adolescent children using only sexually explicit online materials.</p>

Framing questions for review

This Systematic Literature Review (SLR) uses the Cochrane Systematic Review model to carefully analyze and evaluate literature surrounding social work interventions on sexual addiction. A SLR uses methods to collect and critically analyze literature that has been previously researched on the topic or research question. The research question for this SLR was “How many articles are there in the professional literature [PsycInfo, SocIndex, Education Research Complete] regarding key words [sexual addiction + social work + intervention] in the last ten years [2006 - 2016] using a systematic literature review?” Three key words were used to conduct the literature review, Social Work + Interventions + Sexual Addiction (see Table. 2). The search was conducted using five different databases: Psych Info, Education Research Complete, Psyc ARTICLES, Social Work Abstract, and Soc Index with full text.

Identifying relevant work

The literature found that was relevant to the research question using the three key words and five search engines were compiled into a research matrix (Table 1). Articles (N = 192) to (n = 10) were deducted by using face validity, only including germane research conducted from 2006 - 2016 and applying limiters to the search (Table 2). When identifying work that fit the criteria, the relevant research themes identified were: sexual addiction DSM-V terminology and definitions, previous history of the individual, linkage to mental health diagnosis, use of Internet Pornography (IP), sexual addiction’s impact on couple relationships, and sexual addiction treatment.

Assessing the quality of studies

The authors reviewed the remaining articles after applying the limiters outlined in Table 2. The remaining articles were thoroughly assessed using face validity, or how well these articles related to the research topic. Any article that did not have the key term “sexual addiction” in the title, or relevant to research themes that could have potential benefit to our topic were excluded (as seen on Table 3). The studies quality was determined by the conditions set in the Cochrane method. The data set was limited to scholarly peer-reviewed articles published between 2006 and 2017 that related to sexual addiction with spe-

cific regards to social work interventions (as seen in Table 1).

Summarizing the evidence

As shown in Table 2, there is limited research available on the topic of sexual addiction and social work focused interventions. After conducting a test for face validity, only ten articles were found to be relevant to the study. These 10 articles are summarized in Table 4 to provide an overview of the key findings. Although the research available is limited, common themes were illustrated throughout the articles.

Interpreting the findings

The findings of these articles provide evidence for, and demonstrate common themes, that sexual addiction is influenced by past childhood trauma, sexual abuse, substance usage, and the use of pornography and the internet. The authors documented these themes and key points in the literature review sheets. These articles were organized in Table 4, and used to derive the findings for this study.

The articles chosen came primarily from journals focused on social work and sexual addiction. In order to reduce bias, the authors used a variety of databases and journals, whose focuses included psychology, community health, substance usage, offender counseling, human behavior, childhood sexual abuse, trauma, and therapeutic approaches for marital, couples, and sex. Articles were limited on language (English), but not limited to those only in the United States as to provide a larger dataset. With the language limiter set on English, the total number of articles did not change. However, the small amount of available data suggests a lack of research in this area.

Results

As seen in Table 2, the initial database search results yielded (N = 192) articles, using only the keywords social work, sexual addiction, and intervention. Using a systematic approach to assess the quality of the articles, we reduced the number of articles to those that met our specific criteria of sexual addiction. After limiting the articles that were scholarly peer-reviewed, the number of articles decreased to (n = 161). The articles were reduced further, (n = 110) after limiting publication date [EU1]

[C2] to only include articles published on or after 2006, and that were published in English. The articles were further reduced when we put ‘social work’ as a search term in quotations, ($n = 83$) and when duplicate articles were eliminated ($n = 61$).

Using face validity, we eliminated an additional 51 articles, which were excluded because they did not fit the criteria set, the key terms, or were relevant to our research themes, resulting in 10 articles that met the criteria. The criteria were established by the four MSW student researchers were that the title of the journal article or the abstract needed to include the term sexual addiction. There may be evidence to support the themes mentioned earlier in the paper, that sexual addiction is influenced by past trauma, poor attachment styles, is impacted by using pornography and the internet, affects the sexual addict’s quality of future relationships. Treatment methods often differ, but individual and group therapies are the most common and successful. These themes were used to formulate the results and direction of this research.

Table 1 included information from the articles found in our preliminary literature review of sexual addiction, social work, and intervention. One hundred ninety-two articles were found when searching these key terms in the databases mentioned above. This table outlines the number of participants, activities used in the study, its research design, measures used, statistical analysis package used, and the outcome of the study. Table 2 includes each step of the keyword search process, with the limiters used and number of articles found for each search, beginning with $N = 192$ with no limiters, and articles found dating back to 1982, to six limiters used, and $n = 10$. The keywords remained the same throughout the literature review. Table 3 reflects the 51 articles that were excluded from our SLR and the reasons for each one as to why it was excluded. The criteria set for exclusion was that each article must include sexual addiction in the title or abstract. A theme found among those articles excluded was that they had a substance abuse component that was not included in the methodology of this SLR. Table 4 outlines the 10 articles chosen for this SLR, their purpose, the type of study they were, general comments by the MSW student researchers, and the strengths and limitations of each study.

Discussion

Our research on sexual addiction started with a broad review of the literature and its connectedness with social work interventions. With the use of the SLR, our research revealed 10 articles relating to sexual addiction that fit our parameters. Using these ten articles we found themes, limitations, and reasons for social workers to become involved in this research while conducting the SLR.

Summary of Findings

The purpose of this study was to evaluate the literature on social work and interventions as it relates to sexual addiction. The researchers summarized the findings after they categorized the articles into six themes: sexual addiction DSM-5 terminology and definitions, previous history of the individual, linkage to mental health diagnosis, use of internet pornography (IP), sexual addiction’s impact on couple relationships, and sexual addiction treatment. The themes are illustrated in Table 1.

Interpretation of Findings

Looking mostly at psychology articles, the authors found that sexual addiction has been positively impacted by treatment linked to other addictions. Social work had very few articles on the topic of sexual addiction, however these articles, when found, were favored. The authors made an effort to look at many different themes while researching sexual addiction after completing literature reviews on relevant articles. This review confirmed the prevalence of sexual addiction in clinical settings and supported the need for additional literature and clinical education on sexual addiction. Additional research on sexual addiction is necessary for social workers to work in their scope of practice and to use evidence based research that will help clients create sustainable change. The articles chosen by the authors came primarily from journals focused on social work and addiction. Additional articles came from journals focusing in psychology, community health, substance usage, offender counseling, human behavior, childhood sexual abuse, trauma, and therapeutic approaches for marital, couples, and sex.

Limitations

The American Medical Association defined substance addiction over 50 years ago and later defined non-substance addiction but failed to include sexual addiction^[2]. One limitation to studying this topic is that not every researcher agrees with one specific definition of sexual addiction, nor the criteria for this diagnosis. Sexual addiction was not added to the DSM-5 until a DSM task force advocated for its inclusion in the manual as a non-substance addiction. While there is generational research on sex and sexual behaviors, there is not much generational research on sexual addiction because of its general lack of understanding as an addiction and because of its unclear use of different terms or definitions in research. Another limitation may be the self-reporting data that is typically used in this type of research. A third limitation for this research on sexual addiction is also sample size of those the research was gathered from; many of the individuals studied in the literature review were case studies. These limitations were unavoidable in our sexual addiction research. Holosko (2006) specifically discusses how limitations impact research by not only their significance, but also why future research needed.

Application to Social Work Policy and Practice

This information gathered on sexual addiction is pertinent to social work policy and practice because of the growing number of those with this specific addiction. The emphasis for social workers who may read this SLR is that this growing population will need guidance and treatment regarding their addiction, meaning social workers need to be able to not only see and evaluate symptoms of sexual addiction, but also provide effective treatment plans. Of the 10 articles resulting from the SLR, only three were published in social work journals and only three articles spoke about policy. The lack of published research confirms that social workers need to complete more research on sexual addiction to implement policies and improve practice when working with clients with sexual addiction.

Social Work Policy

Because there is so little research in the social work field on sexual addiction, there is a lack of policy pertaining to it.

With more research, social workers could help solve the problem of sexual addiction before it even begins. Social workers should be advocating for sexual addiction and how they can use their skills to be a solution to the rising problem. If social workers were to take an interest in researching sexual addiction, there could be funding to start programs to help those who have a sexual addiction, or to educate youth aged children on how to avoid it. To, Ngai, and Iu Kan (2012) suggest, “policymakers need updated information about young people’s sexual attitudes, knowledge, and behavior to design quality and tailor-made sex education programs”. Social workers could help formulate a sexual education programs to teach adolescents in hope of preventing sexual addiction. Riemersma & Sytsma (2013) state, “Despite the many studies that have explored excessive sexual behaviors, little is known about socio-demographic, psychiatric, and psychosocial background of treatment-seeking self-identified sexually addicted individuals”. These are topics social workers cover in assessments every day, and could be used to find treatment options for those with sexual addiction. Van Gordon, Shonin & Griffiths (2016) expressed the need for individualized treatment for specific symptoms or expressions of an individual’s sexual addiction. Without research on sexual addiction, there cannot be policy to aid in the preventative education needed in our country.

Social Work Practice

Majority of the articles found during the SLR were published in psychology journals, not social work. Sexual addiction has been mostly overlooked in the social work field until the past few years. Many things are now sexualized in today’s society; movies, television shows, video games, commercials and advertisements, books, and music. Sexual acts have become normalized and accepted in America’s culture, which makes sexual addiction the least of anyone’s worries. Though sexual content is normative in our society, it is also a very sensitive topic. Many people do not freely share their sexual habits, making this addiction easily hidden and overlooked. Social workers are trained to identify a person’s natural defense mechanisms, and how to connect with a person to make them feel comfortable enough to let their guard down. Because sexual addiction is such a personal topic, social workers could use interpersonal skills to understand when the client is comfortable enough to proceed in treatment. Other professionals do not build the same rapport as social workers, therefore may miss the root of the problem of sexual addiction. It seems there is little research because it has not yet become a well-known issue to many professionals or the general public. Because society has become so sexualized, it becomes more difficult to see when there is an addiction. With proper training and education of the public and professionals, sexual addiction could be easier to identify. With easier identification comes help and treatment for those who need it.

Sexual addiction impacts more people and gambling and eating disorders combined (Barrilleaux, 2016). This addiction can ruin families, employment, and every day functioning, just like any other addiction, so why depend on social workers for effective treatment? Social workers have successfully treated many other types of addiction; therefore, they could successfully treat sexual addiction as well. While psychologists and other helping disciplines limit addiction intervention to the client whereas social workers intervene with the client and their environment. This means social workers evaluate clients and how

they relate with family, their community, their employment, and agencies policies. Many of the treatment methods described by the SLR articles focus on treatment methods used to correct other addictive behaviors such as alcoholism, gambling, and drug addiction. These treatment methods can include meditation, Cognitive Behavioral Therapy (CBT), and group therapy. Sexual addiction is impacting a substantial percentage of the population, and the rates are not slowing down. Social workers have a responsibility to their clients to recognize sexual addiction and be skilled in intervention. Social workers must be a part of the research, treatment, and policy implementation.

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