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SEQUELAE OF CHILDHOOD SEXUAL ABUSE AND CHRONIC HEADACHE PAIN IN WOMEN

A Thesis

by

KATHY L. THEISS

Submitted to the Graduate School of the University of Texas-Pan American In partial fulfillment of the requirements for the degree of

MASTER OF ARTS

July 2010

Major Subject: Psychology

SEQUELAE OF CHILDHOOD SEXUAL ABUSE $\mbox{AND CHRONIC HEADACHEPAIN} \; . \\ \mbox{IN WOMEN}$

A Thesis by KATHY L. THEISS

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Dr. Frederick A. Ernst Chair of Committee

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ABSTRACT

Theiss, Kathy L., Sequelae of Childhood Sexual Abuse and Chronic Headache Pain In Women. Master of Arts (MA), July, 2010, 34 pp.,3 tables, 2 figures, 45 references.

For many years the association of headache with CSA has been postulated and results have been similar across studies indicating a robust connection. Chronic headache is one of the most common causes of visits to physicians and contributes to decreased quality of life for those who suffer with them. Although CSA is detrimental to both men and women, evidence supports that women are more likely to suffer from chronic somatic headache pain than men. Therefore, it is hypothesized that chronic headache is significantly more common among women with a history of childhood sexual abuse when compared to women who have not suffered CSA.

DEDICATION

I would like to dedicate this paper to my family. First and foremost I would like to sincerely thank my daughter Melody who has been so very patient with me and for the many hours she has given me in the pursuit of furthering my education. She has been my inspiration and my rock. To Caroline and Scot, my parents, who have helped me raise my daughter and supported me financially. Without them, returning to school would not have been possible. Also, I would like to thank my siblings Gayle, Kevin, Heather and Patricia who have not only helped me balance my childcare needs, but have also been my tireless support team who kept me motivated when I didn't think I could do it anymore.

ACKNOWLEDGMENTS

I would like to acknowledge my professor and mentor Dr. Frederick A. Ernst. He always has a smile and a helping hand for anyone who asks for it. He is tireless in his pursuit of helping the students. It is with him as my exemplar that I hope to pay forward the support and unconditional acceptance he has shown me in my educational career.

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CHAPTER I

INTRODUCTION

Childhood sexual abuse (CSA) is a serious public health concern because the damage has a far-reaching ripple effect medically, socially and economically. There is a powerful relationship between our emotional experiences as children and our physical and mental health as adults (Felitti, V.J., 2002). In fact, studies support the notion that even half a century later the adverse effects one experiences in childhood do not just go away but fester to build a crescendo of disease and maladjustment in adulthood (Felitti, Anda, Nordenberg, Williamson, Spitz, Edwards, Koss & Marks, 1998; Felitti, 2002; Anda, 2008). According to The Adverse Childhood Experiences (ACE) Study, a decade-long and ongoing study designed to examine the childhood origins of many of our leading health and social problems, the list of ailments associated with early childhood trauma touch every area of public concern including organic disease (ischemic heart disease, cancer, chronic lung disease, skeletal fractures, STDs, liver disease), mental health (depressive disorder, anxiety, hallucinations, panic reactions, sleep disturbances, memory disturbances, poor anger control, domestic violence, suicide), poor physical health (smoking, alcohol and drug abuse, promiscuity, obesity, multiple somatic symptoms, poor preventative medicine practices), sexual health (early age at first intercourse, sexual dissatisfaction, teen pregnancy) and social problems are implicated in being outcomes of adverse childhood experiences (Anda, 2008).

The etiology of these health concerns are largely invisible to health care providers because the original problem is concealed by time. The presenting symptom most seen by medical doctors is chronic pain, specifically headache (Abbass, Lovas & Purdy, 2008). Somatic symptoms account for over 50% of all outpatient visits, or an estimated 400 million clinic visits in the US alone each year (Kroenke, 2003). It is important for health care providers to be informed of these associations so they can ask the questions necessary to help these patients root out the cancer causing their problem rather than treating the symptoms.

Childhood Sexual Abuse

Childhood sexual abuse has been defined as unwanted sexual contact performed by an individual who is at least five years older than the victim and having occurred with the victim before the age of 13. This can include a wide range of behaviors including fondling, touching, exposure, penetration and rape (Goldberg, Pachas, & Keith., 1999). It is estimated that CSA occurs in 25% of the female population and 16% of the male population, respectively (Dong, Anda, Dube, Giles & Felitti, 2003; Dube, Anda, Whitfield, Brown, Felitti, Dong & Giles, 2005; Lesserman, 2005; Goldberg & Goldstein, 2000; Tietjen, Brandes, Peterlin, Eloff, Dafer, Stein, Drexler, Martin, Hutchinson, Aurora, Recober, Herial, Utley, White & Khuder, 2009). Studies have shown that 34% of CSA victims described the perpetrator as someone who lived in their home (Dong, Anda, Dube, Giles & Felitti, 2003), and shockingly 39.1% have reported parents as sexual abusers (Goldberg & Goldstein, 2000). According to the Attorney General, 90% of child victims know their offender, with almost half of the offenders being a family member. In the majority of cases, abusers gain access to their victims through deception and enticement, seldom

using force. Abuse typically occurs within a long-term, ongoing relationship between the offender and victim and escalates over time. Most child sexual abusers offend against children whom they know and with whom they have established a relationship. It is no wonder that CSA is frequently associated with long-term significant psychiatric sequelae and markedly elevated rates of major depression among other health problems including chronic pain.

Health Consequences

There is no question that the occurrence of CSA has far reaching consequences in many aspects of the victim's health and quality of life, studies suggest that possibly compounding this problem, exposure to extreme stress in childhood can promote long-term changes in the physical structure of the brain (Kaufman & Charney, 2001). Breakthroughs in neurobiolological studies show that childhood trauma disrupts neurodevelopment and can have lasting effects on brain structure and function (Anda, 2008). CSA has been associated with volume loss in the hippocampus, corpus callosum and prefrontal cortex (Tomoda, Navalta, Polcari, Sadato & Teicher, 2009). The hippocampus plays an important role in long term memory. If the trauma experienced has been severe or prolonged, the stress hormones produced may inhibit or even damage the hippocampus, therefore the conscious memory of a person's life may be fractured or incomplete (Carter, 1998). The corpus callosum is a thick band of axons which connect the brain cells in one hemisphere to the cells in the other hemisphere. Reduced size of the corpus callosum has been associated with diminished communication between the cortical hemispheres (Teicher, Andersen, Polcari, Anderson, Navalta & Kim, 2003). These two systems also bring information to the prefrontal cortex which is involved in emotion regulation. Arrested

development in this area early in life is damaging because cells in the prefrontal lobe where the processing of emotion takes place, do not mature fully until adulthood (Carter, 1998). There is also evidence to support an altered symmetry in frontal lobes and reduced neuronal density in the anterior cingulate (Tomoda et al., 2009). The anterior cingulate cortex is an area primarily associated with emotion and attention and is also indicated in conscious pain. Conscious pain refers to the body's warning system to communicate to the body telling it to stop doing whatever is causing it strain (Carter, 1998). Some studies have shown dysregulation in the hypothalamicpituitary-adrenocortical axis and overstimulation of the autonomic activation systems among those with sexual abuse history in response to stress which may increase the probability of developing a chronic pain condition (Leserman, 2005; Dong et al., 2003; Tietjen, Brandes, Peterlin, Eloff, Dafer, Stein, Drexler, Martin, Hutchinson, Aurora, Recober, Herial, Utley, White, & Khuder, 2009). These areas of the brain are also integral in the function of memory, emotional regulation, and pain perception (Lesserman, 2005). These marked differences in brain development are found primarily in children who were exposed to abuse younger than the age of 13 indicating that there is a critical developmental window in which early life stress impedes neurobiological function (Tomoda et al., 2009, Teicher et al., 2003; Heim & Nemeroff, 2001).

Other studies comply with this line of thought suggesting that early childhood stress induces hyperproductivity of corticotrophin-releasing factor systems resulting in increased stress responsiveness (Kaufman & Charney, 2001; Heim & Nemeroff, 2001). Corticotropin-releasing factor is believed to have a major role in regulating stress and mediation of emotions in the average person. Excessive exposure to glucocorticoids may be damaging because of unpleasant effects on the central nervous system and physical organs (Lesserman, 2005).

There is also evidence to support that there is a gender difference in how CSA can shape the young brain. Findings indicate that sexual abuse in girls is associated with a smaller corpus callosum, while a smaller corpus callosum size in boys is associated with neglect (Teicher et al., 2003). There are also differences with respect to hormonal influences on development which could yield significant results on the neurobiological signs of CSA.

It is not clear exactly how these findings affect health and behavior in the long term but it is hypothesized that these neurobiological alterations may not simply reflect damage, but may serve some adaptive purpose (Tomoda et al., 2009). High levels of stress hormones create an alternative pathway of development which causes the brain to organize along a specific pathway selected to facilitate survival in a world of deprivation and strife (Teicher et al., 2003). Unfortunately, this pathway is associated with an increase risk of serious medical and psychiatric disorders as well as a potential for an overall inability to cope in more harmonious times.

Several studies have identified associations between victims of CSA and adult health-risk behaviors including smoking, alcohol abuse, driving while intoxicated, avoidance of routine health care, sedentary lifestyle and high-risk sexual encounters. (Bensley, Van Eevwys & Simmons, 2000; Walker, Gelfand, Katon, Koss, Von Korff, Bernstein & Russo, 1999)

The insidious effects of these toxic childhood experiences can also be manifested in unexplained chronic pain. It is reported that psychological stress increases sensitivity to pain (Hwang, Kim, Kim, Kim, Park & Kim, 2008). Other factors associated with somatic pain include depression, posttraumatic stress disorder (PTSD) and sexual trauma (Haskell, Papas, Heapy, Reid & Kerns, 2008).

Somatic Headache Pain

Pain is a symptom that links mind and body (Kendall-Tackett, 2001). The concept that "the body remembers" is very interesting because it captures the idea that when emotional distress cannot be expressed verbally, the body may express it through physical symptoms (Romans & Cohen, 2008). Problems identifying and feeling emotions is strongly associated with recurrent headache (Abbass, et al., 2008). Headache sufferers have been shown to have difficulty regulating anger (Abass et al., 2008; Venable, Carlson & Wilson, 2001). It is believed that when feelings are intensely uncomfortable and therefore deemed unacceptable, a defense mechanism is initiated to suppress this feeling of stress or anxiety. This is likely a coping strategy that is used when an abused child has feelings of love (as the love one feels for a parent or family member) mixed with rage and guilt. Thus, a pattern of turning these feelings inward begins and the person becomes prone to somatic complaints (Abbass et al., 2008).

It is in this area where male and female difference in coping with CSA becomes seemingly divisive. In a study that examined gender differences among those with a history of CSA found that females were more likely to internalize behaviors suppressing unwanted feelings while males were more likely to exhibit externalizing behaviors like delinquency or heavy drinking (Dube et al., 2005; Chandy, Blum & Resnick, 1996). Other studies have supported this idea associating male CSA with increased risk for engaging in more physical behavior as mentioned above rather than somatic symptoms like their female counterparts (Lesserman, 2005). In other words, males are more likely to act out and self-medicate. Contradicting these findings, another study found that gender was not a statistically significant predictor for sexual abuse after adjusting for pain taking a further step to theorize the odds of being in the pain group

are lower for women than for men (Goldberg & Goldstein, 2000). However, more evidence is documented that the major risk factors for the development of chronic headache pain are females with a history of depression and CSA (Tietjen et al., 2009; Teicher et al., Haskell et al., 2008).

Consequently, the most common cause of visits to physicians is headache pain (Moschiano, D'Amico, Schieroni & Bussone, 2003; Hwang et al., 2008 Golding, 1999). Somatization, anxiety, depression and personality disorders are common features of many patients with chronic headache (Tietjen et al., 2009).

Chronic headache (CH) includes primarily headaches that occur daily or nearly daily and have endured for many months, even years (Verri, Cecchini, Galli, Granella, Sandrini and Nappi, 1998). Other studies have identified individuals from low frequency (0-4 days per month), to intermediate (5-9 days per month), and critical frequency (10-14 days per month) as also having chronic headache pain (Silberstein, Diener, Lipton, Goadsby, Dodick, Bussone, Freitag, Schwalen, Ascher, Morein, Greenberg, Biondi & Hulihan, 2008). It is important to mention that the majority of chronic headache begins with episodic or tension type headache and evolves into a chronic form over the years (Cevoli, Sancisi, Pierangeli, Grimaldi, Zanigni, Nicodemo, Cortelli & Montagna, 2006).

Headaches are significantly more common among those with a history of sexual assault than among those without (Golding, 1999) and this association is proven true even in countries very different from Western countries (Yücel, Özyalcin, Sertel, Çamlica, Ketenci & Talu, 2002; Guitera, Muñoz, Castillo & Pascual, 2002). People who suffer from somatic headache pain rarely suffer from headache alone, associated is long list of comorbid conditions that accompany headache pain.

Those who have suffered headache pain for six months or longer have been indicated as being at risk for major depressive episode (Maeno, Inoue, Yamada & Maeno, Sato, 2007; Maizels & Burchette, 2004; Maizels & Houle, 2007). Headache sufferers have an increased occurrence of PTSD as compared to the general population (Peterlin, Tietjen, Meng, Lidicker & Bigal, 2007) also, those with dissociative identity disorder have shown to have a high prevalence of both sexual abuse and headache (Yucel et al., 2002; Golding, 1999). Other psychiatric disorders associated with chronic headache are generalized anxiety disorder, bipolar disease, panic disorder, simple phobia, social phobia, obsessive-compulsive disorder, dysthymia and somatoform disorders (Moschiano et al., 2003; Verri et al., 1998; Golding, 1999). Interestingly, the most robust association between CSA, chronic headache and depression was when abuse first occurred in the patient by the age of 12 (Tietjen et al., 2009).

It is worth mentioning that chronic headache is not the only chronic pain symptom associated with CSA. Sexual abuse has also been found to be associated with other pain syndromes including gastrointestinal disorders, fibromyalgia, back and myofascial pain (Haskell et al., 2008). It is hypothesized that sequelae presents itself years after the initial trauma. This gives evidence that the mind and body should not be thought of or treated as separate entities but as one in the same. Patients who are suffering frequent or daily headache and have a history of childhood sexual abuse merit prophylaxis.

CHAPTER II

METHOD

Students were recruited from introductory and advanced undergraduate courses in psychology. The sample on which this thesis is based consisted of 332 females whose mean age was 23.5 (standard deviation of 6.5) median age was 21 and mode of 20. In all cases the subjects received extra credit points for participation.

Questionnaire

The questions that were used to test the hypotheses of this study were embedded in a larger research project addressing multiple issues related to the experience of childhood sexual abuse. The primary independent variable is defined as the belief in having been sexually abused before the age of 13 which is derived from the responses to two questions (#1 and #2 below). The questions for the independent and dependent variables of this thesis were specifically:

- 1. I believe that I was sexually abused before age 6. (independent variable)
- 2. I believe that I was sexually abused between the ages of 6 and 12. (independent variable)
 - 20. Have you had headaches for the past six months or more? (dependent variable)
 - 21. If yes, how long ago did your headaches begin? (dependent variable)

- 22. If you have had headaches for the past six months or more, how do they affect your ability to function? (dependent variable)
- 23. If you have headaches, are most of your headaches mild, moderate, or severe? (dependent variable)
- 24. Which statement best describes the frequency of your headaches? (dependent variable)
- 25. How many days per year do you miss school or work because of a headache? (dependent variable)
- 26. I am taking medication for headaches, rarely, occasionally, frequently, daily. (dependent variable)

Procedure

Subjects were recruited by visiting their classes and reading a generic invitation to participate in a study involving the completion of a questionnaire that would address personal and sensitive issues. They were told that extra credit would be offered by the instructor and the details of the extra credit would be described by him or her. If interested, students were asked to sign on an appointment sheet which revealed the day, time, and room number to which they should report.

Five classrooms were used to administer the questionnaire. No more than eight subjects were schedule per room per time period in order to minimize the number of students in the room at one time. Subjects were asked to spread out so that no other subject could view the answers they provided. This part of the procedure ensured that subjects would perceive a maximum of

privacy in completing the questionnaire. The person administering the questionnaire was a research assistant who was not involved in any research derived from the questionnaire.

As subjects appeared for questionnaire completion, they were handed an informed consent handout that they could keep for reference. At no time during the questionnaire was any form collected that had the student's name on it. Informed consent stated UTPA Institutional Review Board for the Protection of Human Subjects (IRB), and contact information was given if the student felt like they felt the need to discuss any portion of the questionnaire. Students were asked to take a seat distant from anyone else already seated in the room. They were asked to complete the questionnaire only if they felt the information in the consent form was acceptable. They were reminded to not provide their names anywhere on the questionnaire. During the completion of the questionnaire subjects were prompted twice to choose either continuation or termination of participation. Each questionnaire had a number on each page with an index card revealing the same number. Subjects were asked to remove the index card and report to a different (designated) classroom where they would have their hands copied. Completed questionnaires were inserted into a box at the front of the room in which they completed them.

Subjects then reported to a second classroom in which they were asked to place their hands, palm side down on the glass face of an HP Officejet 6210 Printer after which a research assistant activated the copy function of the printer. When the copy was completed, subjects were told to place their name on a sign-up sheet (identifying their instructor) through which extra credit information would be provided.

Data Analysis

Responses to questions #1 and #2 were used to generate an additional variable addressing whether or not the subject believes having been abused before the age of 13. This dichotomous variable [abused before age 13 (CSA+) or not abused before age 13 (CSA-)] serve as the primary independent variable is this study.

CSA+ and CSA- subjects will be compared using cross-tabulations and chi squared analyses for all dependent variables.

CHAPTER III

RESULTS

The hypotheses were tested using cross tabulations of the independent variable, CSA before age 13, with the dependent variables all of which were some aspect of headache disorder. The cross tabulations were subjected to Chi-Squared statistics to reveal whether or not there was a disproportionate frequency of headache pathology in subjects reporting histories of CSA when compared to those who report no histories of CSA.

The primary comparison of headache reported in the past six months between CSA+ and CSA- subjects revealed a statistically significant difference. Table 1 presents the frequency and percentage data and Chi Squared analysis. As can be seen in Table 1, CSA+ subjects were significantly more likely (59.3% vs 42.5%) to report headache in the past six months than CSA-subjects. These data are illustrated in Figure 1.

Only one other dependent variable revealed a difference between CSA+ and CSA-subjects. CSA+ subjects were significantly more likely to report moderate to severe headaches as revealed in Table 2 (p = 0.008). This disproportionate frequency in headache intensity is illustrated in Figure 2.

Table 3 lists all other dependent variables and the frequencies/percentages reported by CSA+ and CSA- subjects. None of these differences were found to be statistically significant.

Table 1. Headache Reported During the Past Six Months by Subjects With and Without Childhood Sexual Abuse

| Headache 6 Months | 32 (59.3%) | 114 (42.5%) |
|-------------------|------------|-------------|
| No Headache | 22 (40.7%) | 154 (57.5%) |

 $(x^2 = 5.07, df = 1, p = 0.02)$

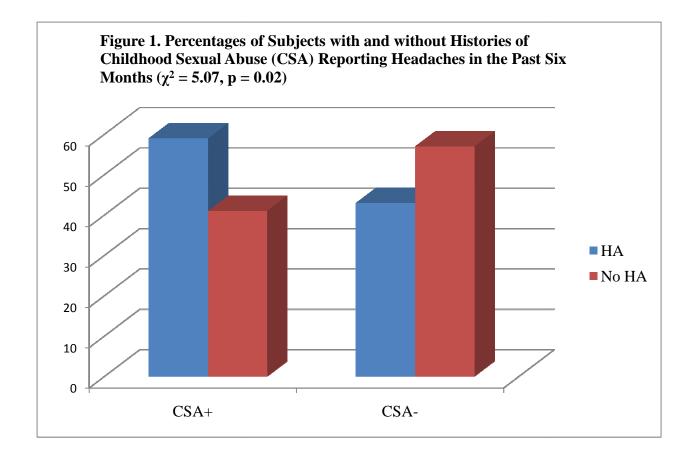


Table 2. Comparing Severe to Moderate Headache to Mild Headache in Subjects With and Without Childhood Sexual Abuse

| | CSA+ | CSA- |
|--------------------|-------------|-------------|
| Severe to Moderate | 25 (80.64%) | 68 (59.65%) |
| Mild | 6 (19.35%) | 46 (40.35%) |
| | | |

 $(x^2 = 10.50, df = 1, p = 0.0012)$

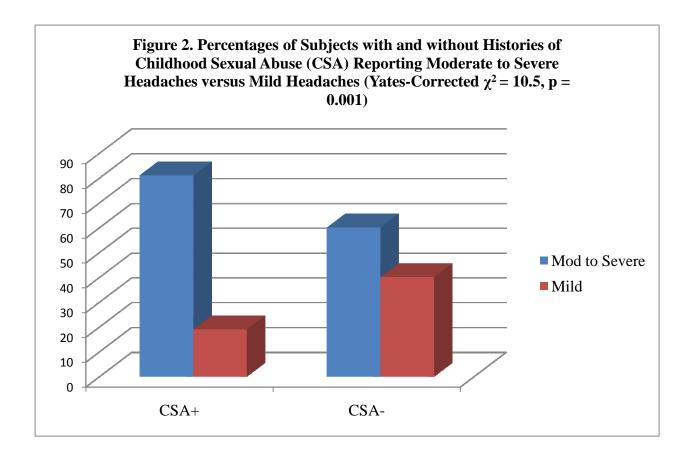


Table 3. Other Comparisons Made Not Showing Statistical Significance

Medical Diagnosis

| | CSA+ | CSA- |
|----------------------------------|------------|------------|
| Migraine Headache | 3 (11.5%) | 29 (27.9%) |
| Tension Headache | 6 (23.1%) | 19 (18.3%) |
| Both | 4 (15.4%) | 15(14.4%) |
| Other | 13 (50.0%) | 41 (39.4%) |
| | | |
| $(x^2 = 3.08, df = 3, P = .379)$ | | |

When Reported Headaches Began

| | CSA+ | CSA- |
|----------------------------|------------|------------|
| Weeks Ago | 1 (3.85%) | 19 (17.3%) |
| Months Ago | 10 (38.5%) | 41 (37.3%) |
| Years Ago | 15 (57.7%) | 50 (45.5%) |
| $(x^2=3.24, df=2, p=.197)$ | | |

Headaches Affecting Ability to Function

| | CSA+ | CSA- |
|--------------------------------|------------|------------|
| Too few to cause concern | 8 (26.7%) | 51 (46.4%) |
| Frequently but is ignored | 12 (40.0%) | 40 (36.4%) |
| Frequently and interferes | 10 (33.3%) | 18 (16/4%) |
| Interferes on a daily basis | 0 (0.00%) | 1 (.91%) |
| $(x^2 = 5.92, df=2, p = .115)$ | | |

Frequency of Headaches

| | CSA+ | CSA- |
|--------------------------------|------------|------------|
| Once a month | 7 (22.6%) | 32 (28.6%) |
| More than 5 monthly | 0 (0.00%) | 10 (8.9%) |
| Once a week | 14 (45.1%) | 29 (25.9%) |
| More than once a week | 7 (22.6%) | 23 (20.5%) |
| Once a day | 2 (6.45%) | 12 (10.7%) |
| More than once daily | 1 (3.2%) | 6 (5.4%) |
| $(x^2 = 6.81, df = 5, p = 24)$ | | |

Frequency of Medication Taken to Ease Headache Pain

| | CSA+ | CSA- |
|-----------------|-------------|-------------|
| Rarely | 9 (31.0%) | 55 (50.0%) |
| Occasionally | 15 (51.73%) | 40 (36.37%) |
| Frequently | 3 (10.35%) | 13 (11.82%) |
| Daily | 2 (6.9%) | 2 (1.82%) |
| 2 - 17 - 10 - 5 | 0.57 | |

 $⁽x^2 = 6.47, df = 6, p = .37)$

Discussion

The hypothesis for this study was to show that there is an association with women who report CSA as having a higher prevalence of headache pain. The results of the current study extend prior research in this area by demonstrating there is a robust association among women who report CSA+ as having a higher risk of headache pain. It is theorized that CSA before the age of 13, or by the age of 12, carries the greatest risk for adverse brain development because this is when the brain has the most plasticity.

Of the 332 female subjects that opted to complete the survey, seven subjects opted not to answer questions regarding CSA and 54 confirmed that they believed to have been sexually assaulted by the age of 12. This gave the result of 20% of the subject group reporting having experienced CSA in their childhood which is slightly lower than what was reported by the ACE Study (Anda et al., 2008). Of the 20% who were CSA+, 59% confirmed that they have had headache pain for the past six months or more.

The substance of the independent variable was based on a self-selected, closed ended postal questionnaire. This makes it difficult for a researcher to gather information that is rich in depth and detail. When a researcher is not present during the questionnaire, it is difficult to know whether or not a respondent has understood a question properly. Finally, questionnaires, like many evaluation methods occur after the event, so participants may forget important issues.

On a final note, the point should be made that the vast majority of those who have suffered CSA are asymptomatic as adults. The occurrence of CSA merely presents an increased risk factor for headache pain.

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APPENDIX A

APPENDIX A

INFORMED CONSENT FORM WITH IRB APPROVAL

The University of Texas - Pan American



Informed Consent Form

Study title: Attitudes about Personal Questions in a College Population

This research survey is being conducted by Dr. Fred Ernst who is a professor in the UTPA Psychology and Anthropology department. I am conducting a research study primarily about attitudes of people toward being asked personal questions for the purpose of research. If you agree to participate, the questionnaires should take 45-minutes or less to complete. After completing the questionnaires, you will be asked to deposit them in a box and proceed to a room where one photocopy will be made of each of your hands with using an HP printer/copier. These hand copies will be coded to match your questionnaires without revealing your identity. After finger length measurements have been made from the photocopies, they photocopies will be shredded and disposed of using UTPA institutional procedures for disposing of shredded materials.

I emphasize that you should not put your name anywhere on the questionnaire. If you agree with the terms of this consent form, you are agreeing to complete the questionnaire but you should be aware that you can change your mind at any time and elect not to participate. If you elect not to participate or if you prefer to terminate your participation after you have started, you can destroy the questionnaire yourself or you can turn it in incomplete.

If you complete the questionnaire or parts of it, return it to the receptacle (box) at the front or side of the room. Be sure to print your name clearly on the sign-in sheet when you are done so that your professor can record your extra credit points. HOWEVER, DO NOT PUT YOUR NAME ANYWHERE ON THE QUESTIONNAIRE ITSELF.

If you would prefer not to participate, simply return the blank survey. You must be at least 18 years old to participate. If you are not 18 or older, please inform the researcher and do not complete the survey.

Researcher contact information:

Name: Dr. Fred Ernst

Title: Professor

Dept: Psychology and Anthropology The University of Texas-Pan American

Phone: 381-3323 Cell: 615-243-7783 Email: fernst@utpa.edu

If, at any time, you feel any need to speak with Dr. Ernst about anything related to having participated in this study, please feel free to call him on his cell phone at any time. The number is listed above.

This research has been reviewed by the Institutional Review Board for the Protection of Human Subjects (IRB). If you have any questions about your rights as a participant, or if you feel that your rights have been violated, please contact the IRB at 956-384-5004.

Please keep this sheet for your reference.

1 of 1

APPENDIX B

APPENDIX B

QUESTIONAIRRE

THANK YOU VERY MUCH FOR ASSISTING OUR RESEARCH PROGRAM BY AGREEING TO COMPLETE THIS BRIEF QUESTIONNAIRE

PLEASE REMEMBER THAT YOUR PARTICIPATION IS VOLUNTARY AND THAT YOU SHOULD FEEL FREE TO WITHDRAW FROM ANSWERING AT ANY TIME WITHOUT PENALTY. **DO NOT PUT YOUR NAME ANYWHERE ON THIS QUESTIONNAIRE!**

THIS DEMOGRAPHICS PAGE AND A COVER SHEET ARE PROVIDED TO KEEP YOUR ANSWERS PRIVATE. NO ONE ELSE WILL HAVE ACCESS TO THIS QUESTIONNAIRE EXCEPT THE PERSONS DOING THIS RESEARCH. THE INFORMATION YOU PROVIDE WILL BE PUT ONTO A COMPUTER DATABASE BY DR. ERNST OR A RESEARCH ASSISTANT AND THE QUESTIONNAIRES WILL BE IMMEDIATELY DESTROYED BY SHREDDING.

Please provide this information and answer the questions which follow ONLY IF YOU ARE COMFORTABLE DOING SO AND ONLY IF YOU WANT TO.

| Please circle | our preferred answer when giv | ren more than one option to | choose from. |
|---------------------------|--------------------------------------|--------------------------------|-----------------------|
| AGESEX | CLASS STANDING: Freshma | un Sophomore Junior S | Senior |
| RACE/ETHNICITY (C | Eircle One): Mexican-American | European-American Asian-A | merican |
| African-American Ot | her Hispanic/Latino | Other | |
| State and Country of Bi | rth | I am right | left handed. |
| Are you Bi-Lingual? Y | es No What is your "first la | anguage"? | |
| | What is your "secon | nd language"? | |
| Age of your mother who | en you were born Age | e of your father when you were | e born |
| Please circle the highest | t level of education attained by you | ur mother. | |
| Some grade school | Completed grade school | Some high school | Completed high school |
| $High\ school\ +$ | additional training | Some college | Completed college |
| | Some graduate school | Graduate degree | Doctorate |

Please circle the highest level of education attained by your father.

| Some grade school Complet schoolHigh school + additional tra | | Some high school Some college | Completed high Completed college |
|--|-----------------------|--|---|
| schoolingii school + dadiiionai ira | ining | Some College | Completed College |
| Some gr MARITAL STATUS | aduate schoolNUMBER (| _ | Doctorate |
| NUMBER OF OLDER SISTER | .S NUMBE | R OF YOUNGER SISTE | ERS |
| NUMBER OF OLDER BROTH | IERS NUM | BER OF YOUNGER BE | ROTHERS |
| RELIGIOUS PREFERENCE_ | | | |
| If you were a participant in a resfor research? | earch project, how | would you feel about bei | ng asked personal questions |
| Very Uncomfortable | Uncomfortable | Comfortable | Very Comfortable |
| How would you feel about answ | ering questions abo | out aspects of your sexual | behavior? |
| Very Uncomfortable How would you feel about being Very Uncomfortable | | Comfortable experienced sexual abuse Comfortable | Very Comfortable e as a child? Very Comfortable |
| How would you feel about answ naming the person who did the a Very Uncomfortable | | | ood sexual abuse without Very Comfortable |
| Have you ever tried alcohol? | Yes No If | so, at what age did you b | egin using? |
| In the past month, how often hav | ve you had 5 alcoho | olic beverages (4 if you ar | re female) in one night? |
| In the past year, how often have | you had 5 alcoholi | c beverages (4 if you are | female) in one night? |
| Other than alcohol, have you even If "Yes," at what age did you | | • • | poses? Yes No |
| ***** PLEASE AN IF YOU ARE COMFORTA | | OWING QUESTIONS ON ND ONLY IF YOU ARE S | |
| (Select one of these options): | I elect to continue _ | I prefer to 1 | not continue |
| 1. I believe that I was sexually | abused before age 6. | Ye. | s No |
| 2. I believe that I was sexually | abused between ages | 6 and 12. Yes | s No |
| 3. I believe that I was sevually | ahused hetween ages | 12 and 18 Yes | s No |

| | orities notified? Yes f # 1 through # 3, was the | | | | No |
|---|---|------------------------------------|-------------------------|---------------------|-----------------------------|
| ☐ Stranger ☐ | Friend or acquaintance | □Relative □ | ☐ Parent or care | egiver \Box |]Step-parent |
| • | through #3, how often di ce \square 3 times \square 4 times | | More than 5 time | 2S | |
| 7. If "Yes " to any of # these experiences. | # 1 through # 3, please circ | cle any of the follow | ving people you | have talked | to about |
| Family Doctor | Psychologist | Husband | Parent | Uncl | e/Aunt |
| Psychiatrist | Social Worker | Counselor | Sibling | Friend | Teacher |
| Other | (P | lease specify) | | | |
| 8. Which of these peop | le did you talk to FIRST? | | | | |
| | 1 through #3, please estime experience(s) you feel at | | | | nt to" or "recovery |
| 10. I believe that I | was physically abused as | a child. Yes or | No | | |
| If "Yes," how | often? | Twice 🔲 3 time. | s 🔲 4 times 🗀 |] 5 times \square | More than 5 times |
| 11. How many care | egivers did you have betw | veen the time you w | ere born and age | e 17? | _ |
| 12. Did you ever so | ee your caregivers hitting, | , throwing objects a | t each other, or u | using weapo | ns against each |
| other? Yes No | | | | | |
| 13. Did your mothe | er ever experience mental | or emotional probl | ems? Yes | s No | |
| | | drinking probl | ems? Yes | s No | |
| | or w | vas arrested for a cr | ime? Yes | No No | |
| 14. Were you ofter | n left alone at home when | an adult or respons | ible babysitter sl | hould have b | een there? Yes |
| | | | | | No |
| 15. I was physicall | y assaulted after the age of | of 17. Yes No | | | |
| If "Yes," how often | n? $\square Once \square Twice$ | ☐ 3 times ☐4 tir | nes 🗆 5 times | ☐ More th | nan 5 times |
| 16. I was sexually | assaulted after the age of | 17. Yes No | | | |
| If "Yes," how | often? | $\Box Twice \Box 3 \text{ time.}$ | s \Box 4 times \Box | ∃5 times □ | \square More than 5 times |

REMINDER: <u>PLEASE ANSWER THE FOLLOWING QUESTIONS ONLY</u> <u>IF YOU ARE COMFORTABLE DOING SO AND ONLY IF YOU ARE SURE YOU WANT TO.</u>

| (Select one of these options): | I elect to continue | I prefer to not cor | ntinue |
|--|-------------------------------|---------------------------------|--------------------------|
| Please circle, check, or fill in | n the correct answer as it a | pplies to you | |
| 17. Have you ever been diagnose | d with Attention Deficit Disc | order (ADD or ADHD)? Yes | s No |
| If yes, at what age? | If yes, are you curr | rently taking medication for t | his? Yes No |
| 18. As a child, did you experience | ee problems with bed-wetting | g? Yes No | |
| 19. Are you currently taking pres | criptive medication for depre | ession? Yes No | |
| If yes, which medication(s |) are you taking? | | |
| If yes, do you experience a | any adverse side effects from | the medication? YesNo | |
| If yes, what side effects do | you experience? | | |
| 20. Have you had headaches for t | he past six months or more? | Yes | No |
| If yes, has a doctor diagno | sed them as: tension (muscl | e contraction) headaches? | |
| | or | migraine (vascular) he | eadaches)? |
| | or | both? | |
| | or | other | |
| 21. If Yes, how long ago did you | r headaches begin?We | eeks agoMonths ago _ | Years ago |
| 22. If you have had headaches for | r the past six months or more | , how do they affect your abi | lity to function? |
| | I have too few | to cause me concern | |
| | I have them fro | equently, but I can ignore the | m |
| | My headaches | frequently interfere with my | ability to function |
| | My headaches | interfere with my ability to fi | unction on a daily basis |
| 23. If you have headaches, are me | ost of your headaches? | _MildModerate | Severe |
| 24. Which statement best describ daily | es the frequency of your hear | daches?one each da | ymore than on |
| one each weekm | ore than one weeklyo | ne per month more th | nan 4-5 per month |

| 25. How many days per | year do you miss sch | ool or work beca | use of a headache | ? | |
|---|--------------------------------|--------------------|---------------------|--------------------|-------------------------|
| 26. I am taking medicat | tion for headaches | rarely | occasionally | frequently | daily |
| The medication is/are | n(s) I take for headach | | | | |
| 27. Are you currently in | an intimate relationsh | nip? Yes | No | | |
| 28. If yes, how long hav | e you been in your cu | rrent relationship | o? | | |
| 29. What is the longest J | period of time you hav | ve been in a conti | inuous intimate rel | lationship? | |
| 30. How easy or diffi | — icult do you find talkii | ng about sex to y | our partner or boy | friend/girlfriend? | |
| · | Difficult on some topic | | | - | Difficult on all |
| 31. How many consensu 32. your partner by having s | - | nt or previous ror | | | e you "cheated" on |
| Never | Once | Occasionally | Often | | |
| 33. Approximately how | w many X-rated video | s or films have y | ou viewed in the p | oast year? | |
| What percentage | (%) were viewed | | | | |
| [alone%] [w | rith a female%] | [with a ma | ıle%] | [with a group_ | %]? |
| 34.On average, how man | ny hours per week do | you spend visit | ing internet porn s | ites or viewing po | ornographic |
| media on your co | omputer? | | | | |
| What percentage (%) we | ere viewed | | | | |
| [alone%] [with | h a female%] | [with a male | %] [with | a group%] | ? |
| 35. Does it ever sexuall | y arouse you to think | about being rape | ed? Yes | No | |
| 36. Does it ever sexuall | y arouse you to think | about raping son | neone? Yes | No | |
| 37. How would you | describe your sexual o | rientation/prefer | ence? | | |
| Exclusively Heterosexua | al Occasionally B | i-Sexual Re | gularly Bi-Sexual | Exclusively (| Gay or Lesbian |
| 38. I consider myself ex | clusively homosexual | (gay or lesbian) | but occasionally I | have sex with the | e opposite sex. |
| Yes | No | Not Applicable | , I do not consider | · myself exclusive | ly homosexual |
| 39. I am exclusively he | terosexual but I have | thought about be | ing with someone | of the same sex. | |
| Never | Occasionally | | Often | Alw | vays |

| | | were sexually abuse rience of having bee | | ıch do you believe y | our sexual orientation i | S | | |
|--|--------------------|---|-------------------------------|------------------------|--------------------------|------|--|--|
| 0% 5 | 5% | 10% | 25% | 50% | 75% | 100% | | |
| 41. How many times, on average, do you masturbate per month? | | | | | | | | |
| 42. Wh | ich of these term | s describes your typ | sical ability to achie | ve orgasm by mastur | bation? | | | |
| I | have never been a | able to achieve orga | sm this way | It is difficult for me | to achieve orgasm | | | |
| _ | It is easy for | r me to achieve orga | asm | Not Applic | able, I do not masturba | te | | |
| 43. W | hich of these term | ms describes your ty | vpical ability to ach | eve orgasm with a p | artner? | | | |
| I | have never been a | able to achieve orga | sm this way | It is difficult for me | to achieve orgasm | | | |
| It | is easy for me to | achieve orgasm | | Not Applicable, I ha | we not had sex with an | yone | | |
| 44. How | would you rate t | the amount of your u | ısual sexual <u>desire</u> ? | | | | | |
| Very Lo | w Low | Average | High | Very High | Out of Control | | | |
| 45. How | much, if any, do | you worry about yo | our level of sexual d | esire? | | | | |
| None | | A Little | Average | A Lot | | | | |
| 46. How | would you rate t | the amount of your u | ısual sexual <u>activity</u> | ? | | | | |
| Very Lo | w Low | Average | High | Very High | Out of Control | | | |
| 47. How | much, if any, do | you worry about yo | our level of sexual <u>a</u> | ctivity? | | | | |
| None A | Little | Average | A Lot | | | | | |

Please continue to the next (last) page.

Please note that NONE of the activities described in the following questions are illegal or considered "abnormal" if performed alone or with another consenting adult...

Please indicate the frequency with which you have performed the following sexual activities:

| "Threesome": | Never | Once | Occasionally | Often | |
|---|-----------------|-------|--------------|--------------|-------|
| "Foursome": | Never | Once | Occasionally | Often | |
| Group Sex (more than 4): | Never | Once | Occasionally | Often | |
| Swinging: (trading sexual partners with one couple) | Never | Once | Occasionally | Often | |
| Fetish: | Never | Once | Occasionally | Often | |
| Bondage ("Receiver") | Never | Once | Occasionally | Often | |
| Bondage ("Giver") | Never | Once | Occasionally | Often | |
| (Non-Bondage) S & M: | | | | | |
| S: | Never | Once | Occasionally | Often | |
| M: | Never | Once | Occasionally | Often | |
| Auto-Erotic Asphyxiation (Strangling to enhance or | | Never | Once | Occasionally | Often |
| Bestiality: (Sexual Contact with an a | nimal) | Never | Once | Occasionally | Often |
| Sex involving urine: | Never | Once | Occasionally | Often | |
| Sex involving feces: | Never | Once | Occasionally | Often | |
| Cross-Dressing: | Never | Once | Occasionally | Often | |
| Have you ever considered | l a sex-change? | Yes | No | | |

A resource sheet about sexual abuse & assault and physical abuse & assault is available. If you would like one, please let the Proctor know.

BIOGRAPHICAL SKETCH

Kathy L. Theiss was born on May 4, 1971 in Harlingen, Texas as Kathy Lynn Campbell. Theiss graduated from Raymondville High School in Raymondville, Texas in 1989. After high school, Theiss received her bachelor's degree in Education at the University of Texas at Brownsville in 1999.

Theiss began teaching school in Raymondville in the Special Education Department.

Theiss later taught in the computer dyslexia lab in Brownsville, Texas. Theiss received further training in the Scottish Rite, Gifted and Talented and Success For All (SFA) programs. Theiss was awarded Exemplary Teacher from Los Fresnos ISD for three years in a row and was invited by the Texas Education Association to assist in evaluating and proofreading the Texas Assessment of Knowledge and Skills Test (TAKS) in 2003-2004. Theiss served as Secretary for the Harlingen Parent Teacher Association (PTA) where she taught elementary school for four years.

At the end of the 2006-2007 school year Theiss left teaching to pursue a Master's degree in at The University of Texas Pan American. In the summer of 2010, Theiss earned a degree in Experimental Psychology with Emphasis in Applied Behavior Analysis.

Theiss currently lives in Harlingen, Texas where she lives with her daughter Melody. All correspondence should be sent to 15691 Odom Road, Harlingen, Texas 78552.