#### University of Texas Rio Grande Valley

# ScholarWorks @ UTRGV

Theses and Dissertations - UTB/UTPA

8-2013

# Sex As A Moderator of The Association Between Childhood Trauma, Impulsivity, and Primary Psychopathy in A Hispanic **Undergraduate Sample**

Judy D. Sifonte University of Texas-Pan American

Follow this and additional works at: https://scholarworks.utrgv.edu/leg\_etd



Part of the Psychology Commons

#### **Recommended Citation**

Sifonte, Judy D., "Sex As A Moderator of The Association Between Childhood Trauma, Impulsivity, and Primary Psychopathy in A Hispanic Undergraduate Sample" (2013). Theses and Dissertations - UTB/ UTPA. 817.

https://scholarworks.utrgv.edu/leg\_etd/817

This Thesis is brought to you for free and open access by ScholarWorks @ UTRGV. It has been accepted for inclusion in Theses and Dissertations - UTB/UTPA by an authorized administrator of ScholarWorks @ UTRGV. For more information, please contact justin.white@utrgv.edu, william.flores01@utrgv.edu.

# SEX AS A MODERATOR OF THE ASSOCIATION BETWEEN CHILDHOOD TRAUMA, IMPULSIVITY, AND PRIMARY PSYCHOPATHY IN A HISPANIC UNDERGRADUATE SAMPLE

A Thesis

by

JUDY D. SIFONTE

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

MASTER OF ARTS

August 2013

Major Subject: Clinical Psychology

# SEX AS A MODERATOR OF THE ASSOCIATION BETWEEN CHILDHOOD TRAUMA, IMPULSIVITY, AND PRIMARY PSYCHOPATHY IN A HISPANIC UNDERGRADUATE SAMPLE

A Thesis by JUDY D. SIFONTE

#### **COMMITTEE MEMBERS**

Dr. Darrin Rogers Chair of Committee

Dr. Edna Alfaro Committee Member

Dr. Michiyo Hirai Committee Member

August 2013

Copyright 2013 Judy D. Sifonte
All Rights Reserved

#### **ABSTRACT**

Sifonte, Judy D., <u>Sex as a Moderator of the Association between Childhood Trauma</u>, <u>Impulsivity, and Primary Psychopathy in a Hispanic Undergraduate Sample</u>. Master of Arts (MA), August, 2013, 53pp, 9 tables, 1 figure, references, 30 titles.

The current study investigates the effect that sex as a moderator has on the association between childhood trauma and impulsivity on primary psychopathy in a Hispanic college sample. The online survey obtained 443 responses from undergraduates; however after incomplete responses were removed and the data was cleaned, a sample size of 367 remained for use in primary analysis. The study utilized a hierarchical moderation regression analysis to determine the effect of sex on the association of predictor variables—childhood trauma and impulsivity, to the dependent variable, primary psychopathy. Researchers hypothesized that sex will enhance the association between childhood trauma and psychopathy, between childhood trauma and impulsivity, and that sex will have a buffering effect on the association between impulsivity and psychopathy. Contrary to expectation, sex did not moderate any of the predictor-dependent variable associations; however, strong direct associations were found between primary psychopathy, and impression management and impulsivity.

#### **DEDICATION**

The completion of my graduate studies would not have been possible without the love and support of my family and friends. My mother, Silvia Sifonte, and my father, Adalberto Sifonte, who inspired, motivated, and supported me through it all, and my grandmother, Linda Galindo Hernandez, whose unwavering faith in me helped me through difficult times when I thought about quitting. This accomplishment is as much mine as it is yours, because without you, I would not have made it this far. I love you!

To my friends, Erica Mata, Kathleen Garcia, Martha Calderon, Dina Garza, Iris Vasquez, Violeta Davila, and Anthony Beltran. Thank you for helping me, even when I did not ask for it. Although it seemed like a nightmare at times, I am so lucky to have all of you there for support. We learned from each other's mistakes and became so much stronger because we had one another. All the neuroticism, late night sessions of overanalyzing, exhausting phone conversations, and endless hours in the library study rooms were so worth it.

#### **ACKNOWLEDGEMENTS**

I will always be grateful to Dr. Rogers, chair of my thesis committee, for all his mentoring and advice and without whom I would have been completely lost. From research design, constructing of the online survey, and the cleaning and scoring of data, to thesis manuscript editing, he encouraged me to complete this process through his infinite patience and sense of humor. My thanks go to my thesis committee members ,Dr. Edna Alfaro and Dr. Michiyo Hirai, for their patience, guidance, and commitment to my thesis project. I also want to extend my appreciation to Dr. Gasquoine, program director, for his witty sense of humor and consideration throughout my graduate career.

## TABLE OF CONTENTS

Page
ABSTRACTiii
DEDICATIONiv
ACKNOWLEDGEMENTSv
TABLE OF CONTENTSvi
LIST OF TABLESviii
LIST OF FIGURESix
CHAPTER I. INTRODUCTION1
Introduction to Psychopathy1
Factor Structure
Is Psychopathy Genetic or a result of Environmental Influences?3
Childhood Trauma and Psychopathy4
Introduction to Impulsivity5
Childhood Trauma and Impulsivity6
Impulsivity and Psychopathy7
Considerations of the Hispanic Population
Overview of Hypotheses
CHAPTER II. METHODS
Participants
Procedure 10

Measurement/Instruments	10
CHAPTER III. RESULTS	14
CHAPTER IV. DISCUSSION	17
Post Hoc Analysis	19
Limitations	20
Implications and Future Directions	21
Conclusion	21
REFERENCES	23
TABLES	27
APPENDIX	37
BIOGRAPHICAL SKETCH	53

## LIST OF TABLES

Table 1: Sample Demographics	27
Table 2: Reliability Coefficients for Impulsivity, Primary Psychopathy, and Social	
Desirability	28
Table 3: Correlation Matrix of Variables	29
Table 4: Hierarchical Regression Analysis with Sex as a moderator and using the Sum	
of the Trauma Intensity variable	30
Table 5: Hierarchical Regression Analysis with Sex as a moderator and using the Mean	
of the Trauma Intensity variable	31
Table 6: Hierarchical Regression Analysis with Sex as a moderator and using the modified	
Trauma Intensity binary variable	32
Table 7: Hierarchical Regression Analysis with Sex as a moderator and using the modified	
Trauma Intensity continuous variable	33
Table 8: Hierarchical Regression Analysis with Sex as a moderator and using the Sum of	
the All Trauma Intensity variable.	34
Table 9: Hierarchical Regression Analysis with Sex as a moderator and using the Mean	
of the All Trauma Intensity variable	35

## LIST OF FIGURES

Figure 1. Theoretical Model illustrating the effect of Sex as a moderator on the association	
between Childhood Trauma (CT) and Primary Psychopathy (PPY-1) and between	
Impulsivity (IMP) and Primary Psychopathy (PPY-1)	36

#### CHAPTER 1

#### INTRODUCTIONS

Studies have found that traumatic experiences in childhood may contribute to personality disorders later in life, such as psychopathy. Further, research exploring the relationship between impulsivity and psychopathy has found a positive association between the two. Finally, research exploring the association between childhood trauma and impulsivity has indicated that individuals with a history of childhood trauma are more likely have behavioral adjustment difficulties including impulsivity. In addition to this, some study findings indicate that gender may play a factor in how these interactions take place. This study will test whether gender moderates the association between childhood trauma, impulsivity, and primary psychopathy.

#### **Introduction to Psychopathy**

Psychopathy (PPY) is a clinical construct characterized by grandiosity, shallow affect, lack of empathy and remorse, deceit and manipulation, impulsivity, and the repeated violations of social and legal norms and expectations (O'Neill *et al.*, 2009). An abundance of research investigating psychopathy uses prison samples because individuals with psychopathy have a tendency to break laws and serve prison time. Research shows that psychopaths are usually not constrained to single-event offenses; rather, they tend to engage in antisocial behaviors repeatedly (Juni, 2010).

The Diagnostic and Statistical Manual of Mental Disorders: Fourth Edition Text Revision (DSM-IV-TR; American Psychological Association, 2000), published by the American Psychiatric Association, does not include psychopathy as an official term or personality disorder, although it shares many characteristics with Antisocial Personality Disorder (ASPD). According to the DSM-IV-TR (2000), in the United States the prevalence of ASPD is about 3% in males and 1% in females. A study conducted in the U.K. looked at the combined general population of England, Scotland, and Wales and found a prevalence of psychopathy of 0.6% (95% CI: 0.2–1.6; Coid, 2009). Although there are behavioral similarities, ASPD and psychopathy are not synonymous. A diagnosis of ASPD using the DSM-IV-TR (2000) criteria is based on behavioral patterns, whereas PPY measurements also include more indirect personality characteristics. The diagnosis of ASPD covers two to three times as many prisoners as are rated high in psychopathy. The Psychopathy Checklist-Revised (PCL-R) is a psychopathy measure developed by Robert Hare and most often used in forensic settings (Hare, 2003). Most offenders scoring high on the PCL-R also meet ASPD criteria; however, most of those who meet criteria for ASPD do not score high on the PCL-R.

Given the personality characteristics of deceit and manipulation displayed by high psychopathy individuals, several studies investigating psychopathy have utilized measures of desirable responding to address these concerns. In a 2007 study, researchers, who investigated the relationship between child abuse history and sexual abuse perpetration against others in a female sex offender sample, included a desirable responding measure to gauge whether participants were responding in a truthful manner (Christopher *et al.*, 2007). Another study investigating sexual strategy and psychopathy also addressed the importance of including a desirable responding measure when assessing for psychopathy (Seto *et al.*, 1996).

#### **Factor Structure**

Hervey Cleckley (1988) and Robert Hare (1996) described psychopathy as characterized by superficial charm, egocentricity, impulsivity, irresponsibility, shallow emotions, pathological lying, manipulation, persistent violation of societal norms, and a lack of empathy, guilt, or remorse. Throughout their research, psychopathy has commonly been described using a two-factor structure. The first factor, also known as primary psychopathy (PPY-1), is generally characterized by interpersonal and affective aspects such as social dominance, narcissism, fearlessness, and manipulativeness; while the second factor, referred to as secondary psychopathy (PPY-2), is associated to antisocial features, including impulsivity, aggression, and irresponsibility (Fulton *et al.*, 2010).

#### Is psychopathy genetic or a result of environmental influences?

The fundamental cause of PPY has been the source of much debate in psychological research. Two driving forces behind etiology research are a fundamental biological cause and a primarily environmental one. In the biological point of view, the psychopathic individual has a genetic predisposition to the emotional dysfunction. The environmental explanation emphasizes the role of stressors in producing emotional dysfunction (Furnham *et al.*, 2009). A more likely theory is that both the environment and genetics play a role in the development of psychopathy. Since much of antisocial *behavior* is goal oriented, it is extremely unlikely that there is a direct genetic contribution to these *behaviors*. However, where genetics are likely to play a role is in determining the probability that the individual will *learn* an antisocial strategy to gain money, for example, by mugging other people, as opposed to a strategy sanctioned by society such as using an ATM machine. Many individuals have argued that the emotional dysfunction shown by individuals with psychopathy makes them more likely to learn antisocial strategies to reach goals

(Blair, 2006). Identifying factors correlated with the development of psychopathy is crucial to understanding the disorder and to develop early intervention or prevention programs. History of childhood trauma is one such factor that has been linked to psychopathy.

#### **Childhood Trauma and Psychopathy**

Investigations using prison population samples have made large contributions to the understanding psychopathy and trauma. Study findings support a positive relationship between traumatic experiences during childhood and impulsive nonplanfulness, and a negative relationship between childhood trauma and cold-heartedness and stress immunity in offenders (Cima *et al.*, 2008). Poythress *et al.* (2006) found that abuse is unrelated to the affective and interpersonal traits of psychopathy that make up primary psychopathy, but related moderately to the impulsive and irresponsible lifestyle or externalizing features of secondary psychopathy. In another study, researchers who assessed Post Traumatic Stress Disorder (PTSD) and psychopathy scores in an inmate sample found that none of the offenders with high psychopathy scores met diagnostic criteria for PTSD despite a significant correlation between psychopathy scores and the number of traumatic experiences (Moeller & Hall, 2003).

Given that psychopathy is a personality disorder marked by maladaptive traits and patterns of antisocial behavior, relative to men, women remain understudied in the psychopathy literature (Blonigen *et al.*, 2012). In detained juveniles, girls reported significantly more often to have experienced emotional, sexual and physical abuse compared to boys. Krischer and Sevecke (2008) found that traumatization has a different influence upon girls than boys with respect to psychopathic traits. There is a strong association between physical and emotional abuse and psychopathic traits for delinquent boys; while for girls, other family-related variables, such as

non-parental living arrangements and divorce, seemed to be more influential in developing the psychopathy syndrome than traumatization (Krischer & Sevecke, 2008).

A number of studies have found that individuals who have experienced childhood trauma (CT) are more likely receive the diagnosis of a personality disorder in adulthood. However, other studies indicate that many traumatized children do not develop personality disorders later in life (Allen & Lauterbach, 2007). Without discarding the possibility that early traumatization might not influence personality, an alternative is that early traumatization may influence personality in more subtle and less pathological ways. Weizmann-Henelius *et al.* (2010) went further, explaining that childhood maltreatment has been linked to symptoms of personality disorder, including psychopathy in both genders. In a study that examined the manifestation of psychopathy depending on gender, researchers found that mean psychopathy scores were higher in men than in women (Miller *et al.*, 2011). Another study, examining the impact of childhood abuse and neglect on adult mental health, found that abused and neglected women reported more symptoms of dysthymia, antisocial personality disorder, and substance abuse than controls (Horwitz *et al.*, 2001). In the current study, the researcher will examine whether the relationship between CT and PPY in a college student sample is moderated by gender.

Hypothesis 1. Gender will enhance the association between CT and PPY.

#### **Introduction to Impulsivity**

Since Freud, impulse control has been used as an explanatory concept for the development of the socialized self in its presence and as an explanation of psychopathy and delinquency in its absence (Snoyman & Aicken, 2011). An absence of consensus as to what constitutes 'impulsivity' has led to confusion in the literature and to indiscriminant labeling of

people and behavior as 'impulsive' (Snoyman & Aicken, 2011). In the *DSM-IV-TR* (2000), impulsivity (IMP) is conceptualized as a buildup of tension and relief after an action is performed in disorders such as kleptomania, pyromania, and pathological gambling, and as "acting without thinking where the act should be delayed or prevented altogether" in disorders such as attention deficit/hyperactivity disorder and borderline personality disorder. In many instances, a continuum describes IMP, where low levels are advantageous in certain circumstances needing quick decisions such as a firefighter assessing structural damage to a burning building and determining the safest entry, while high levels are often maladaptive and implicated in the etiology of psychiatric illness (Somer *et al.*, 2012).

#### **Childhood Trauma and Impulsivity**

Many victims of trauma report emotional and behavioral adjustment difficulties that are associated with IMP and psychological dysregulation (Somer *et al.*, 2012). Research has explored consequences of trauma on emotional and behavioral adjustment. Researchers cite impulse control as a common factor in the connections between a history of trauma and maladaptive behaviors, such as substance abuse, suicide attempts, pathological gambling, and personality disorders. In a study that compared levels of IMP among gamblers with and without a history of trauma, researchers found that gamblers with a history of abuse reported lower levels of IMP (Kausch *el al.*, 2006). The authors attributed this finding to a heightened vigilance and hesitance to act, possibly a result of a dampening effect on impulsivity from the abuse. Mixed findings regarding the association of IMP and CT led the current authors to hypothesize that IMP may still have a prolonged effect on behavior adjustments in other instances.

In a study that looked at the relationship between IMP and CT on depressed adults, subjects who reported abuse were more likely to have a co-morbid diagnosis of borderline

personality disorder (Brodsky et al., 2001). Participants with a reported history of childhood physical or sexual abuse had significantly higher IMP scores than those with no history of abuse. Additionally, researchers found that childhood abuse, which may be a risk factor for the development of psychopathic traits in women, has been linked to higher rates of impulsivity (Brodsky *et al.*, 2001).

A study that examined the moderating role of gender on the relationship between substance abuse and impulsivity found that although high sensation seeking-impulsivity females report higher frequencies than low sensation seeking-impulsivity females, their values are significantly lower than high sensation seeking-impulsivity males (Baker *et al.*, 2002). The current study defined impulsivity as a personality trait, or a cognitive-emotional style, characterized by disinhibition and a tendency to act quickly on urges. The current study will examine whether gender has an enhancing effect on the relation between CT and IMP in college students.

Hypothesis 2. Gender will enhance the association between childhood trauma and impulsivity.

#### **Impulsivity and Psychopathy**

Impulsivity is a key component of psychopathy (Morgan *et al.*, 2011). Research investigating the relationship between IMP and PPY has found that individuals with primary and secondary psychopathy express impulsivity differently. Individuals with high levels of primary psychopathy are thought to be low in anxiety and fear, and have low sensitivity to cues from harm, punishment, and non-reward. On the other hand, individuals high in secondary psychopathy are thought to be over-sensitive to cues of punishment or reward and as a result can overreact to situations; therefore, it would appear that the concept of IMP is most likely associated with PPY-2 (Snowden & Gray, 2011). Given the strong preexisting relationship

between PPY-2 and IMP, the primary analysis in this study only evaluated relationships with PPY-1.

Given the relevance of IMP to psychological disorders, and to both healthy and harmful behaviors, accurate assessment has been an area of great interest. The Barratt Impulsiveness Scale—originally created in 1959 and currently on its 11th edition—is a personality questionnaire for the measurement of IMP (Stanford *et al.*, 2009; Morgan *et al.*, 2011). To understand the association between impulsivity and psychopathy in non-incarcerated samples, Morgan *et al.* (2011) collected data from a nonclinical community sample and found that increased IMP as measured by the BIS-11 correlated strongly with the PPY scores. A study conducted to examine the association of impulsive traits on delinquent behavior found that impulsivity, callousness, and neighborhood risk all appeared to be greater risk factor for delinquency for boys than girls (Meier *et al.*, 2008). The present study will investigate whether gender has a buffering effect on the association between IMP and PPY in college students. *Hypothesis 3: Gender will have a buffering effect on the association between IMP and PPY*.

#### **Considerations of the Hispanic Population**

Research on the prevalence and level of PPY in Hispanic populations is rather scarce. Some studies that report ethnicity do not specify the percentages of each group nor do they disclose which ethnicity groups were included (e.g., Allen & Lauterbach, 2007). A number of studies with moderate sample sizes have neglected to include a Hispanic sample altogether (Ruiz *et al.*, 2010). A recent meta-analysis indicated that differences between Black and White subjects in psychopathy were small and statistically nonsignificant (Skeem *et al.*, 2003). A study that was not included in this meta-analysis looked at two major community studies, the Environmental

Catchment Area (ECA) study and the National Comorbidity Study (NCS), and, found no significant racial or ethnic differences in the incidence of ASPD (Zuckerman, 2003). Given these findings, the current study will analyze data collected from Hispanic participants. The researcher does not expect any racial differences in psychopathy. The scarcity of research reporting these factors in Hispanic samples gives the current study additional importance.

#### **Overview of Hypotheses**

The current study investigated the effect of gender on the relationship between childhood trauma and impulsivity on psychopathy in a Hispanic undergraduate student sample. We hypothesize that:

- 1) Gender will enhance the association between childhood trauma and psychopathy
- 2) Gender will enhance the association between childhood trauma and impulsivity.
- 3) Gender will have a buffering effect on the association between impulsivity and psychopathy.

#### CHAPTER II

#### **METHOD**

#### **Participants**

The study recruited undergraduate students from The University of Texas-Pan American to complete an online survey. The sample was composed of 23% men and 77% women. The average participant age was 23 years of age with a standard deviation of 4.9 years and an age range of 18 to 48. Approximately 443 students started the online survey; however, only 367 of the participants identified themselves as Hispanic/Latino; their responses were used for data analysis. *Table 1* provides additional participant characteristics.

#### **Procedure**

Responses were collected using Qualtrics online survey software. The survey contained questionnaires that obtained demographic information, and assessed other factors such as impulsivity, psychopathy, history of trauma, and desirable responding.

#### Measurements/Instruments

Levenson Self-Report Psychopathy Scale (LSRP). The LSRP contains 26 Likert-scale items (1= disagree strongly, 2= disagree somewhat, 3= agree somewhat, 4= agree strongly). Items are divided into two subscales: primary psychopathy (LSRP1) and secondary psychopathy (LSRP2). Leveson *et al.* (1995) determined that the LSRP had an alpha coefficient of 0.82 for primary

psychopathy and 0.63 for secondary psychopathy in their study. In this investigation, primary analysis consisted only of LSRP1. *Table 2* provides the correlation coefficients for the variables used in this study.

Traumatic Events Questionnaire (TEQ). The TEQ assesses experiences in eleven different categories of adult and childhood trauma. Although the current study will focus on traumatic events occurring before the age of 18, researchers also procured the lifetime trauma history from participants. The TEQ contains questions about: combat trauma, large fires or explosions, serious industrial or farm incidents, sexual assault and rape, natural disasters, violent crimes, adult abusive relationships, physical and sexual child abuse, witnessing someone mutilated, seriously injured, or violently killed, other life-threatening situations, and about a violent or very unexpected death of a loved one. TEQ reliability has ranged from r = 0.72 to 0.91 in previous research (Vrana & Lauterbach, 1994).

The structure of the TEQ allows researchers to obtain a wide array of information. The questionnaire presented the participants with 11 trauma experience categories. After endorsing a particular trauma category, the participants receive follow-up items assessing that category of trauma. The additional items in the TEQ assess the following: the number of times an event was experienced, the participant's age at the time of the event, and the degree to which the event affected his or her life then and now. The follow-up items also provide an opportunity for participants to describe the experience in their own words. These additional questions provide a more detailed look into how events affected each person, because the items not only provide a quantitative measure of trauma intensity, but also provide qualitative data from the participants' descriptions. Developers of the TEQ described two ways of scoring: first, obtaining the sum of the trauma categories endorsed, which has a max score of 11; and second, obtaining an intensity

score by summing the responses to the additional items (c thru *f*, see Appendix). Researchers that utilized this measure recommend the use of the intensity score.

In this study, the researchers assessed the childhood trauma intensity score (TI) four different ways. Since previous literature only explained that the trauma intensity score was obtained from summing the responses to the intensity items, in this study two TI variables were created for comparability to previous research. First, the TI sum score was calculated from the addition of all the responses to the additional items. The second TI variable was obtained by averaging out all the responses and multiplying them by the number of items. In the results section, the differences in scores between the TI sum and mean variables will be discussed.

Additionally, the researcher created modified variables that took into account the frequency reported by participants for each category. The responses to the follow-up questions in each category were summed, and then multiplied by the reported number of times that trauma category was experienced. In this manner, participants who endorsed all 11 categories and reported experiencing each only once will have a lower Trauma Intensity Composite (TIC) score than participants endorsing all 11 categories with repeated experiences in each one. Two variables were created from the TIC:

- 1) Binary TIC, A binary variable indicating whether each participant indicated any childhood trauma (value: 1) or not (value: 0);
- 2) Continuous TIC, a continuous variable applicable only to those participants reporting some trauma, indicating the intensity of the trauma.

Since the primary focus is on trauma during childhood, traumatic experiences that occurred during adulthood will not be included in the primary analysis.

Barrett Impulsivity Scale (BIS-11). The BIS-11 contains 30 Likert-scale items (1=Rarely/Never, 2=Occasionally, 3=Often, 4=Almost Always). Researchers reported that the BIS-11 total score had good internal consistency (Cronbach's α =0.83) and test-retest reliability at one month (Spearman's rho =0.83; Stanford *et al.*, 2009). Although the BIS-11 can be broken down into subscales, the current study used the total score of the BIS-11 as the measure of impulsivity. Balanced Inventory of Desirable Responding (BIDR). The BIDR has 40 items with Likert-scale responses ranging from 1= Not True to 7= Very True. The items are divided into two subscales: self-deceptive positivity (SDP) and impression management (IM). SDP refers to the tendency to give reports that the participant believes but have a positive bias, while IM is deliberate self-representation to an audience. The BIDR emphasizes exaggerated claims of positive cognitive attributes. A study that used the BIDR variables reported the internal consistencies of IM and SDP in the .68-.80 and .75-.86 ranges, respectively (Paulhus, 1991). Desirability responding was included as a way to measure any unintentional or deliberate manipulation of scores.

#### CHAPTER III

#### RESULTS

Preliminary analysis consisted of descriptive statistics, reliability coefficients (See *Table* 2), and intercorrelations (See *Table* 3) between the hierarchical regression variables in the study. The study used a hierarchical regression analysis (HRA) with a moderator to test the hypotheses regarding the effects of sex on impulsivity and childhood trauma on primary psychopathy (See *Figure* 1).

The HRA was conducted with LSRP1 as the dependent variable and predictors entered in sequential steps (in each step, all predictors from the previous steps are included):

- 1. Covariates (age, SES, IM, and SDP)
- 2. Predictor Variables and moderator (BIS-11, TIC, and Sex)
- 3. Interaction variables

*Table 4* illustrated the results of the HRA.

Given the lack of specific scoring instructions for the Trauma intensity score, the researcher calculated intensity using two similar methods. The first method of calculating the TIC consisted of summing the responses to all of the additional responses; *Table 4* illustrates the findings of the primary analysis using the Sum of TIC variable. The second method involved finding the mean of all responses and multiplying it by the number of items; *Table 5* provides the results from primary analysis using the Mean of the TIC variable. The key difference in the

results presented in *Table 4* and *Table 5* is that using the Sum of TIC variable accounts for 31% of the variance, while using Mean of TIC accounts for 32% of variance.

The HRA was originally conducted twice: once with the Sum of TIC and again with Mean of TIC. Results from the two analyses is presented in *Table 4* and *5*, and discussed below.

The first regression analysis was utilized to examine whether sex moderated the relation between impulsivity and childhood trauma, and primary psychopathy using the Sum of TIC variable. To examine this, covariates were entered in the first step, explaining 19% of the variance of primary psychopathy (LSRP1). In step 2, the predictor variables were entered, accounting for an additional 12% of the variance of LSRP1. After the entry of the interaction terms between BIS-11 and Sex and TIC and sex, the total variance explained by the model as a whole was 32%, F (2, 193) = 1.38, p > .05. Once the variables were entered, impression management and impulsivity showed a strong relation to LSRP1 at p < .01, and sex showed a relation to LSRP1 at p < .05; however, sex did not moderate the relationship between BIS-11 and LSRP1 or between TIC and LSRP1 (see *Table 4*).

In the next regression analysis, the Mean of TIC variable was used. In step 1, the covariates accounted for 19% of the variance of LSRP1. In step 2, the addition of the predictor variables accounted for an additional 10% of the variance of LSRP1. After the entry of the interaction terms in step 3, the total variance explained by the model as a while was 31%, F (2,193) = 2.118, p > .05. Once all variables were entered, IM, BIS-11, and Sex showed a strong relationship to LSRP1 with p < .01; however, sex did not moderate the relationship between BIS-11 and LSRP1 or between TIC and LSRP1 (see *Table 5*).

Given the lack of statistical significant using the standard scoring method of the TIC, the researcher created two additional TIC variables that took into account the frequency of events

reported by participants, which was not accounted for previously. The binary variable of TIC specified whether each participant indicated any childhood trauma (value 1) or not (value 0). The continuous variable of the TIC was applicable only to those participants reporting some trauma, thus indicating the intensity of the trauma. Secondary analyses were conducted using the binary and continuous variables of the TIC.

In the regression analysis using the binary TIC variable, covariates were entered in step 1 and accounted for 21% of the variance of LSRP1. In step 2, the predictor variables were entered and accounted for an additional 10% of the variance of LSRP1. In step 3, the interaction terms were entered and the total variance by the model as a whole was 31%, F (2,355) = 1.71, p > .05. After entering all variables, IM, BIS-11, and Sex showed a strong relationship to LSRP1 with p < .01; however, sex did not moderate the relationship between BIS-11 and LSRP1 or between TIC and LSRP1 (see *Table 6*).

In the regression analysis using the continuous TIC variable, covariates were entered in step 1, accounting for 17% of the variance of LSRP1. Predictor variables were added in step 2 and accounted for an additional 28% of the variance of LSRP1. In step 3, the interaction variables were entered and the total variance explained by the model as a whole was 29%, F (2,180) = 1.95, p > .05. Once all variables were entered, only IM and BIS-11 showed a strong relationship to LSRP1 with p < .01; however, sex did not moderate the relationship between BIS-11 and LSRP1 or between TIC and LSRP1 (see *Table 7*).

#### CHAPTER IV

#### DISCUSSION

Since the propensity for individuals high in psychopathy to commit crimes and other social violations, previous research has focused on clinical or incarcerated samples for their investigations. Although psychopathy research using college samples exists, research focusing on Hispanic college populations is scant. The results from this study reflect only the responses from self-identified Hispanic individuals. The present study investigates the moderating effect of sex on the relationship between childhood trauma and primary psychopathy and between impulsivity and primary psychopathy. Past research has looked at these topics individually, but not in combination.

In order to account for any sex differences, the current study used sex as a moderator to buffer the relation between impulsivity and psychopathy. The results demonstrated that sex does not moderate the association between impulsivity and psychopathy; however, higher levels of impulsivity were directly related to higher levels of primary psychopathy. These results are similar to previous research that found a positive association between impulsivity and psychopathy. Morgan *et al.* found that impulsivity as measured by the BIS-11correlated strongly with the PPI-R, a measure of psychopathy (Morgan *et al.*, 2011). Another study investigating these two concepts concluded that the relationship of primary and secondary psychopathy to impulsivity is quite complex; however, findings support the existence of a relationship (Snowden & Gray, 2011).

The present study also used sex as a moderator to enhance the relation between childhood trauma and primary psychopathy; however, the results demonstrated that sex does no moderate the relationship between childhood trauma and primary psychopathy. Contrary to expectation, results indicated that childhood trauma was not directly related to primary psychopathy. Previous research investigating the association between trauma and psychopathy has also produced mixed findings. For example, Cima *et al.* (2008) found support for the association between childhood trauma and psychopathic features, but Allen & Lauterbach (2007) pointed out that many traumatized children do not develop disorders of personality like psychopathy.

In addition to using sex as a moderator in the regression analysis, sex was also entered with the predictor variables in the second step. Results suggest that although sex did not have a moderating effect on the association between the predictor variables and primary psychopathy, sex does have a direct effect. Results indicate that males were more likely to have higher psychopathy scores, compared to females. Previous studies investigating sex differences in psychopathy had produced comparable results. In a recent study investigating gender differences in psychopathy, researchers found a significant gender difference in self-report psychopathy scores, where men scored higher (Miller *et al.*, 2011). Research findings using prison samples have revealed similar findings that male inmates tend to score higher on psychopathy (Rogers *et al.*, 2007).

The results from the current study suggest that higher levels of psychopathy relate to lower levels of impression management. This may indicate that high psychopathy individuals may be less concerned with being perceived positively by others. These results resemble similar findings by Seto *et al.*, who investigated deception and sexual strategy in psychopathy and found a moderately large negative correlation between psychopathy scores and impression management

(Seto *et al.*, 1996). The negative association between impression management and primary psychopathy could suggest a lack of desire for high-psychopathy individuals to present themselves positively. This lack of desire in individuals with psychopathy might result from deficits in facial affect recognition (Marsh & Blair, 2008).

#### **Post Hoc Analysis**

Since the interactions of BIS-11 and LSRP1, and TIC and LSRP1 were not statistically significant, the researcher conducted post hoc analyses using all of the trauma intensity responses, rather than looking only at childhood trauma. Two all trauma intensity (ATI) variables were created— the sum and mean variables, by: 1) summing all the intensity item responses, and 2) by finding the mean of the intensity responses and multiplying it by the number of items.

The first regression analysis utilized the sum of ATI variable. In the first step, the covariates were entered and accounted for 19% of the variance of LSRP1. In step 2, the predictor variables were entered and accounted for an additional 10% of the LSRP1 variance. The interaction variables were entered in step 3. After all variables were entered, the total variance explained by the model as a whole was 30%, F (2, 193) = 2.17, p > .05. Once all variables were entered, IM, BIS-11, and Sex showed a strong relationship to LSRP1 with p < .01; however, sex did not moderate the relationship between BIS-11 and LSRP1 or between TIC and LSRP1 (see *Table 8*).

In the second post hoc regression analysis, the mean of ATI variable was utilized. The covariates were entered in step 1 and accounted for 19% of the variance of LSRP1. In step 2, the predictor variables were entered and accounted for an additional 10% of the LSRP1 variance. In

step 3, the interaction variables were entered, and the total variance explained by the model as a whole was 31%, F (2, 193) = 3.66, p > .05. Once all variables were entered, Sex, IM, and BIS-11 showed a strong relationship to LSRP1 with p < .01; however, sex did not moderate the relationship between BIS-11 and LSRP1 or between TIC and LSRP1 (see *Table 9*).

#### Limitations

Since some of the core characteristics of psychopathy are pathological lying and the manipulation of others, there is an intuitive basis for the assumption that psychopathic individuals are better deceivers that non-psychopathic individuals (Cima *et al.*, 2008). Therefore, the use of self-reports in assessing the level of psychopathy is a limitation of this study. To control for this limitation, the researcher included the desirable responding measure; however, other more effective methods are available such as the PCL-R or the Psychopathy Checklist: Screening Version (PCL: SV) which can be obtained for a fee.

The current study assessed psychopathy in a relatively large sample of Hispanic undergraduates, thus future work should examine the generalizability of these findings in samples with higher levels of psychopathy, impulsivity, and childhood trauma. Range restriction in the responses to the childhood trauma and impulsivity measures is possible since college students tend to be relatively well adjusted, and have low levels of impulsivity and childhood trauma compared to other populations.

Another limitation of this study is the retrospective, self-report design for assessing childhood trauma, since participants may over- or under-estimate the degree to which they were affected by traumatic events and independent verification is not available. Similarly, the self-report measure of impulsivity is another limitation due to an inability to know oneself truly and

the problem of deliberate efforts to present oneself in a positive or negative light. Snowden and Gray also recognize this limitation and share that current research does not suggest that laboratory measures are able to tap impulsivity as defined by the self-report measures (Snowden & Gray, 2011).

### **Implications and Future Directions**

Given that impulsivity is a core feature of psychopathy as a whole, differences exist in the impulsive nature of the secondary psychopath from that of the primary psychopath (Snowden & Gray, 2011). Such differences in psychopathy need to be managed quite differently in considerations of management and release of offenders, for example. A study on low and high trait impulsivity in offenders found that offenders with low trait impulsivity were more prone to instrumental violence, while those with high trait impulsivity were more prone to reactive violence (Donal & Fullam, 2004).

Rather than relying only on a self-report measure of impulsivity, future studies should consider incorporating a continuous performance task to provide an objective measure of impulsivity. Similarly, future researcher might consider including additional measures of psychopathy, such as the PCL-R or the Stroop task (Hiatt *et al.* 2004). Furthermore, replicating this study in the future with a general population sample, rather than a student sample, may provide a better basis for the generalization of results to other populations.

#### Conclusion

The current study emphasizes that psychopathy, impulsivity, and childhood trauma are complex constructs that have both conceptual and methodological problems. Completing this

study was an important step for the assessment of psychopathy in Hispanic populations.

Although the findings did not show a moderating effect of sex on the relationship between childhood trauma and psychopathy or impulsivity and psychopathy, the findings did indicate that impulsivity is a significant predictor of primary psychopathy, as found in previous research.

#### REFERENCES

- Allen, B., & Lauterbach, D. (2007). Personality Characteristics of Adult Survivors of Childhood Trauma. *Journal of Traumatic Stress*, 20(4), 587-595.
- American Psychiatric Association (2000). *Diagnostic and statistical manual of mental disorders* (4th ed., text rev.). Washington, DC: Author.
- Baker, J., & Yardley, J. (2002). Moderating Effect of Gender on the relationship between Sensation Seeking-Impulsivity and Substance Abuse in Adolescents. *Journal of Child and Adolescent Substance Abuse*, 12(1), 27-43.
- Blair, R.J.R., (2006). The Emergence of Psychopathy: Implications for the Neuropsychological approach to Developmental Disorders. *Cognition*, 101, 414-442.
- Blonigen, D., Sullivan, E., Hicks, B., & Patrick, C. (2012). Facets of Psychopathy in relation to potentially traumatic events and post traumatic stress disorder *among* female prisoners: the Mediating role of Borderline Personality disorder traits. *Personality Disorders: Theory, Research, and Treatment.* Advanced online publication. doi:10.1037/a0026184.
- Brodsky, B., Oquendo, M., Ellis, S., Haas, G., Malone, K., & Mann, J. (2001). The relationship of Childhood Abuse to Impulsivity and Suicidal behavior in Adults with Major Depression. *American Journal of Psychiatry*, 158(11), 1871-1877.
- Christopher, K., Lutz-Zois, C., & Reinhardt, A. (2007). Female Sexual-Offenders: Personality Pathology as a mediator of the relationship between Childhood Sexual Abuse history and Sexual Abuse perpetration against others. *Child Abuse and Neglect*, *31*, 871-883.
- Cima, M., Smeets, T., & Jelicic, M. (2008). Self-Reported Trauma, Cortisol levels, and Aggression in psychopathic and non-psychopathic prison inmates. *Biological Psychology*, 78, 75-86.
- Cleckley, H. (1988). The Mask of Sanity (5th Ed.).St. Louis, MO: Mosby
- Coid, J., Yang, M., Ulrich, S., Roberts, A., & Hare, R.D. (2009). Prevalence and Correlates of Psychopathic traits in the household population of Great Britain. *International Journal of Law and Psychiatry*, 32, 65-73.

- Dolan, M., & Fullam, R., (2004). Behavioural and psychometric measures of impulsivity in a personality disordered population. *Journal of Forensic Psychiatry and Psychology*, 15, 426–450.
- Fulton, J., Marcus, D., & Payne, K. (2010). Psychopathic personality traits and risky sexual behavior in college students. *Personality and Individual Differences*, 49, 29-33.
- Furnham, A., Daoud, Y., & Swami, V. (2009). How to Spot a Psychopath: Lay theories of Psychopathy. *Social Psychiatry and Psychiatric Epidemiology*, 44,464-472.
- Hare, R.D. (1996). Psychopathy: A Clinical construct whose time has come. *Criminal Justice and Behavior*, 23, 25-54.
- Hare, R. D. (2003). Manual for the Revised Psychopathy Checklist (2nd edn). Toronto, ON: Multi-Health Systems.
- Hiatt, K., Schmitt, W., & Newman, J. (2004). Stroop Tasks reveal Abnormal Selective Attention among Psychopathic offenders. *Neuropsychology*, 18 (1), 50-59.
- Horwitz, A., Widom, C., McLaughlin, J., & White, H. (2001). The impact of Child Abuse and Neglect on Adult Mental Health: a Prospective study. *Journal of Health and Social Behavior*, 42, 184-201.
- Juni, S. (2010). Conceptualizing Psychopathy: a Psychodynamic Approach. Journal of Aggression, Maltreatment, & Trauma, 19, 777-800.
- Kausch, O., Rugle, L., & Rowland, D. (2006). Lifetime histories of Trauma among Pathological Gamblers. *The American Journal on Addictions*, 15, 35-43.
- Kessler, R. C., McGonagle, K. A., Zhao, S., Nelson, C. B., Hughes, M., Eshleman, S., Wittchen, H.-U., & Kendler, K. S. (1994). Lifetime and 12-month prevalence of DSM-III-R psychiatric disorders in the United States. *Archives of General Psychiatry*, *51*, 8–19.
- Krischer, M., & Sevecke, K. (2008). Early Traumatization and Psychopathy in female and male juvenile offenders. *International Journal of Law and Psychiatry*, 31, 253-262.
- Levenson, M., Kiehl, K., & Fitzpatrick, C. (1995). Assessing Psychopathic Attributes in a Non-institutionalized Population. *Journal of Personality and Social Psychology*, 68(1), p.151-158.
- Lykken, D. (1995). Antisocial Personalities. Hillsdale, NJ: Erlbaum.
- Marsh, A., & Blair, R. (2008). Deficits in facial affect recognition among antisocial populations: a meta-analysis. *Neuroscience & Biobehavioral Reviews*, 32(3), 454-465.

- Meier, M., Slutske, W., Arndt, S., & Cadoret, R. (2008). Impulsive and Callous traits are more strongly Associated with Delinquent Behavior in Higher Risk Neighborhoods among Boys and Girls. *Journal of Abnormal Psychology*, 117(2), 377-385.
- Miller, J., Watts, A., & Jones, S. (2011). Does psychopathy manifest divergent relations with components of its nomological network depending on gender? *Personality and Individual Differences*, 50, 564-569.
- Moeller, A. & Hell, D. (2003). Affective disorder and "psychopathy" in a sample of young male delinquents. *Acta Psychiatrica Scandinavica*, 107, 203-207. doi: 10.1034/j.1600-0447.2003.02377.x
- Morgan, J., Gray, N., & Snowden, R. (2011). The Relationship between Psychopathy and Impulsivity: A multi-impulsivity measurement approach. *Personality and Individual Differences*, 51, 429-434.
- O'Neill, M., Nenzel, M., & Caldwell, W. (2009). Intrusive thoughts and Psychopathy in a student and Incarcerated sample. *Journal of Behavior Therapy and Experimental Psychiatry*, 40, 147-157.
- Paulhus, D.L. (1991). Measurement and Control of Response Bias. In J.P. Robinson, P.R. Shaver, & L.S. Wrightsman (Eds.), *Measures of Personality and Social Psychological Attitudes* (pp. 17-59). San Diego: Academic Press.
- Poythress, N., Lilienfeld, S, & Skeem, J. (2006). Associations among Early Abuse, Dissociation, and Psychopathy in an offender sample. *Journal of Abnormal Psychology*, 115(2), 288-297.
- Robins, L. N., & Regier, D. A. (Eds.). (1991). Psychiatric disorders in America: the epidemiologic catchment area study. New York: The Free Press.
- Rogers, R., Jordan, M., & Harrison, K. (2007). Facets of Psychopathy, Axis II Traits, and Behavioral Dysregulation among jail detainees. *Behavioral Sciences and the Law*, 25, 471-483.
- Ruiz, M., Skeem, J., Poythress, N., Douglas, K., & Lilienfeld, S. (2010). Structure and correlates of the Barratt Impulsiveness Scale (BIS-11) in Offenders: Implications for Psychopathy and Externalizing pathology. *International Journal of Forensic Mental Health*, 9, 237-244.
- Seto, M., Khattar, N., Lalumiere, M., & Quinsey, V. (1997). Deception and Sexual Strategy in Psychopathy. *Personality and Individual Differences*, 22(3), 301-307.
- Skeem, J., Edens, J., Sanford, G., & Colwell, L. (2003). Psychopathic Personality and Racial/ethnic differences reconsidered: a reply to Lynn (2002). *Personality and Individual Differences*, *35*, 1439-1462.

- Snowden, R., & Gray, N. (2011). Impulsivity and psychopathy: Associations between the Barrett Impulsivity Scale and the Psychopathy Checklist revised. *Psychiatric Research*, 187, 414-417
- Snoyman, P. & Aicken, B. (2011). Self-Reported impulsivity in Male offenders with low cognitive ability in New South Wales prisons. Psychology, Crime & Law V. 17, N.2, p. 151-164.
- Somer, E., Ginzburg, K., & Kramer, L. (2012). The Role of Impulsivity in the Association between Childhood Trauma and Dissociative Psychopathology: Mediation versus Moderation. Psychiatric Research v.196, p133-137.
- Stalenheim, E., Eriksson, E., Knorring, L., & Wide, L. (1998). Testosterone as a biological marker in Psychopathy and Alcoholism. *Psychiatry Research*, 77(2), p. 79-88.
- Stanford, M., Mathias, C., Dougherty, D., Lake, S., Anderson, N., & Patton, J. (2009). *Fifty years of the Barrett Impulsiveness Scale: An update and review*. Personality and Individual Differences v. 47, p385-395.
- Vrana, S. & Lauterbach, D. (1994). Prevalence of Traumatic Events and Post-traumatic Psychological Symptoms in a Nonclinical sample of College Students. *Journal of Traumatic Stress*, 7(2), p289-302.
- Weizmann-Henelius, G., Gronroos, M., Putkonen, H., Eronen, M., Lindberg, N., & Hakkanen-Nyholm, H. (2010). Psychopathy and Gender Differences in Childhood psychosocial characteristics in homicide offenders a nationwide register-based study. *The Journal of Forensic Psychiatry & Psychology*, 21(6), 801-814.
- Zuckerman, M. (2003). Are there racial and ethnic differences in psychopathic personality? A critique of Lynn's (2002) racial and ethnic differences in psychopathic personality. *Personality and Individual Differences*, *35*, 1463-1469.

Table 1.
Sample Demographics

Participant C	Characteristics	%	Participant Cha	aracteristics	%
	Never Married	78.0%		Less than 9th grade	28.6%
Marital	Living with Partner, unmarried	10.0%		9th-12th grade, no diploma	9.8%
Status	Married	11.0%	Father's	High School Graduate or GED	25.1%
	Other	1.0%	Highest	Some College, no degree	14.4%
			Education	Associate's Degree	4.6%
CI 'I I	yes	15.5%	Level	Bachelor's Degree	10.4%
Children	no	85.5%		Master's Degree	4.4%
				Professional/Doctoral Degree	2.2%
	1	6.5%		č	
Number of	2	5.7%		Less than \$10,000	12.3%
Children	3	3.0%		\$10,000-24,999	31.9%
	4	30.0%		\$25,000-34,999	13.1%
				\$35,000-49,999	13.9%
	0.00-1.00	30.0%	SES	\$50,000-74,999	13.1%
	1.00-1.50	0.5%		\$75,000-99,999	6.3%
	1.50-2.00	3.3%		\$100,000-149,999	7.6%
GPA	2.00-2.50	19.0%		\$150,000-249,999	0.8%
	2.50-3.00	26.4%		\$250,000 and up	0.5%
	3.00-3.50	32.2%			
	3.50-4.00	18.3%		Freshman	1.9%
			Classification	Sophomore	14.4%
	Less than 9th grade	24.0%	Classification	Junior	37.9%
	9th-12th grade, no diploma	8.4%		Senior	45.8%
Mother's	High School Graduate or GED	21.3%			
Highest	Some College, no degree	19.9%		Psychology	45.2%
Education	Associate's Degree	7.1%	Most	Biology	13.1%
Level	Bachelor's Degree	12.5%	Common	Rehabilitative Services	10.9%
	Master's Degree	5.2%	Majors	Social Work	8.2%
	Professional/Doctoral Degree	1.4%		Nursing	5.2%

Table 2.

Reliability Coefficients for Impulsivity, Primary Psychopathy, and Social Desirability.

	Scales	Cronbach's α	Number of Items
BIS-11		0.82	30
LSRP1		0.83	16
IM		0.75	20
SDP		0.73	20

Note: BIS-11=Impulsivity; LSRP1 = Primary Psychopathy; IM= Impression Management; SDP= Self-Deceptive Positivity.

Table 3.

Correlation Matrix of Variables.

	Age	Sex	SES	SDP	IM	BIS-11	TI	LSRP1
Age	_							
Sex	06	_						
SES	04	16**	_					
SDP	.19**	11*	.03	_				
IM	.24**	.05	03	.46**	_			
BIS-11	13*	04	.07	49**	33**	_		
TI	.18*	.20**	05	11	01	.09	_	
LSRP1	15**	22**	01	24**	45**	.37**	02	_

Note. N ranged from 204 to 367 for individual pairs of variables. TI= Trauma Intensity;BIS-11=Impulsivity; LSRP1 = Primary Psychopathy; IM= Impression Management; SDP= Self-Deceptive Positivity.

<sup>\*</sup>p<0.05, \*\*p<0.01

Table 4.

Hierarchical Regression Analysis with Sex as a moderator and using the Sum of the Trauma Intensity variable.

Trauma Intensity Sum Step 3 Step 1 Step 2 Variables В В SE B β SE B β В SE B -.04 -.05 -.07 -.08 -.08 -.05 Age .10 .10 .10 SES .00 .00 .01 .00 .00 .00 .00 .00 .00 -.42\*\* -.35\*\* -.34\*\* IM -.15 .03 -.13 .02 -.12 .02 SDP .00 .05 .03 -.01 .03 .11 .04 .03 .11 BIS-II .22 .05 .31\*\* .33 .09 .47\*\* -.05 ΤI .01 .03 .02 .09 -.11 -.17\*\* Sex -2.89 1.11 -2.45 1.20 -.14\* BIS-II \* Sex -.15 .10 -.18 TI \* Sex .06 .09 .14 .19 .29 .31  $\Delta R^2$ .19 .11 .01 11.38\*\* \*\* 10.27\*\* 1.38 F change

Table 5.

Hierarchical Regression Analysis with Sex as a moderator and using the Mean of the Trauma Intensity variable.

Trauma Intensity Mean

	Step 1			Step 2			Step 3		
Variables	В	SE B	β	В	SE B	β	В	SE B	β
Age	07	.10	04	10	.10	06	11	.10	07
SES	.00	.00	.01	.00	.00	.00	.00	.00	.01
IM	15	.03	42**	13	.02	35**	12	.02	33**
SDP	.00	.03	01	.05	.03	.12	.05	.03	.12
BIS-II				.22	.05	.31**	.34	.09	.48**
TI				.01	.01	.07	01	.01	09
Sex				-3.07	1.10	18**	-2.58	1.13	15*
BIS-II * Sex							16	.10	20
TI * Sex							.02	.02	.18
R <sup>2</sup>	.19			.30			.32		
$\Delta R^2$	.19			.12			.02		
F change	11.38**			10.71**			2.12		

Table 6.

Hierarchical Regression Analysis with Sex as a moderator and using the modified Trauma Intensity binary variable.

	Trauma In	tensity Bi	nary						
	Step 1			Step 2			Step 3		
Variables	В	SE B	β	В	SE B	β	В	SE B	β
Age	07	.07	04	08	.07	06	08	.07	05
SES	.00	.00	02	.00	.00	03	.00	.00	03
IM	16	.02	43**	14	.02	37**	14	.02	37**
SDP	02	.02	04	.02	.02	.04	.02	.02	.05
BIS-II				.18	.04	.25**	.29	.07	.40**
TI				-1.25	.64	09	-1.88	1.35	13
Sex				-3.30	.78	19**	-3.22	.78	19**
BIS-II * Sex							14	.08	17
TI * Sex							.72	1.54	.04
$R^2$	.21			.31			.31		
$\Delta R^2$	.21			.10			.01		
F change	23.74**			16.85**			1.71		

Table 7

Hierarchical Regression Analysis with Sex as a moderator and using the modified Trauma Intensity continuous variable.

Trauma Intensity Continuous

	Step 1			Step 2			Step 3		
Variables	В	SE B	β	В	SE B	β	В	SE B	β
Age	05	.10	03	07	.10	05	08	.10	05
SES	.00	.00	.00	.00	.00	01	.00	.00	02
IM	14	.03	39**	12	.03	33**	12	.03	32**
SDP	02	.03	04	.04	.03	.09	.03	.03	.08
BIS-II				.21	.05	.30**	.36	.10	.52**
TI				.62	.50	.08	.03	1.27	.00
Sex				-2.56	1.19	15*	-2.06	1.22	12
BIS-II * Sex							20	.11	25
TI * Sex							.83	1.39	.10
R <sup>2</sup>	.17			.28			.29		
$\Delta R^2$	.17			.10			.02		
F change	9.77**			8.67**			1.95		

Table 8.

Hierarchical Regression Analysis with Sex as a moderator and using the Sum of the All Trauma Intensity variable.

	Trauma Ir	ntensity Si	um						
	Step 1			Step 2			Step 3		
Variables	В	SE B	β	В	SE B	β	В	SE B	β
Age	08	.08	06	11	.08	07	11	.08	07
SES	.00	.00	01	.00	.00	02	.00	.00	03
IM	15	.02	41**	13	.02	35**	12	.02	34**
SDP	01	.03	03	.02	.03	.05	.02	.03	.04
BIS-II				.17	.04	.25**	.30	.08	.43**
ATI				.02	.02	.06	02	.05	06
Sex				-3.42	.94	20**	-3.33	.93	20**
BIS-II * Sex							17	.09	21
TI * Sex							.04	.05	.12
$R^2$	.19			0.28			.30		
$\Delta R^2$	.19			0.10			.01		
F change	14.92**			11.40**			2.17		

Table 9.

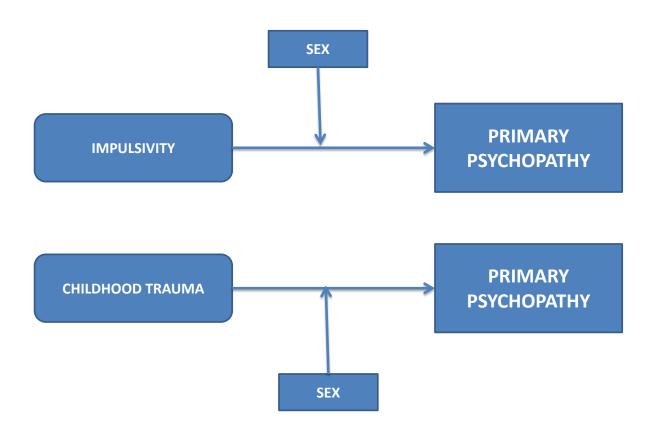
Hierarchical Regression Analysis with Sex as a moderator and using the Mean of the All Trauma Intensity variable.

Trauma Intensity Mean

	Step 1			Step 2			Step 3		
Variables	В	SE B	β	В	SE B	β	В	SE B	β
Age	08	.08	06	10	.08	07	10	.08	07
SES	.00	.00	01	.00	.00	02	.00	.00	02
IM	15	.02	41**	13	.02	35**	13	.02	34**
SDP	01	.03	03	.02	.03	05	.02	.03	.04
BIS-II				.17	.04	.24**	.30	.08	.43**
ATI				.01	.01	.08	01	.01	12
Sex				-3.57	.94	21**	-2.98	.97	18**
BIS-II * Sex							18	.09	22
TI * Sex							.03	.02	.22
R <sup>2</sup>	.19			0.29			.31		
$\Delta R^2$	.19			0.10			.02		
F change	14.92**			11.83**			3.66		

Figure 1.

Theoretical Model illustrating the effect of Sex as a moderator on the association between Childhood Trauma (CT) and Primary Psychopathy (PPY-1) and between Impulsivity (IMP) and Primary Psychopathy (PPY-1).



APPENDIX A

# APPENDIX A

# LEVENSON SELF-REPORT PSYCHOPATHY SCALE (LSRP)

		Disagree Strongly	Disagree Somewhat	Agree Somewhat	Agree Strongly
1	I am often bored.				
2	In today's world, I feel justified in doing anything I can get away with to succeed.				
3	Before I do anything, I carefully consider the possible consequences.				
4	My main purpose in life is getting as many goodies as I can.				
5	I quickly lose interest in tasks I start.				
6	I have been in a lot of shouting matches with other people.				
7	Even if I were trying very hard to sell something, I wouldn't lie about it.				
8	I find myself in the same kinds of trouble, time after time.				
9	I enjoy manipulating other people's feelings.				
10	I find that I am able to pursue one goal for a long time.				
11	Looking out for myself is my top priority.				
12	I tell other people what they want to hear so that they will do what I want them to do.				
13	Cheating is not justifiable because it is unfair to others.				
14	Love is overrated.				
15	I would be upset if my success came at someone else's expense.				
16	When I get frustrated, I often "let off steam" by blowing my top.				
17	For me, what's right is whatever I can get away with.				

- Most of my problems are due to the fact that other people just don't understand me.
- Success is based on survival of the fittest; I am not concerned about the losers.
- **20** I don't plan anything very far in advance.
- 21 I feel bad if my words or actions cause someone else to feel emotional pain.
- Making a lot of money is my most important goal.
- I let others worry about higher values; my main concern is with the bottom line.
- 24 I often admire a really clever scam.
- People who are stupid enough to get ripped off usually deserve it.
- 26 I make of point of trying not to hurt others in pursuit of my goals.

APPENDIX B

#### APPENDIX B

# TRAUMATIC EVENTS QUESTIONNAIRE (TEQ)

DIRECTIONS: This questionnaire is comprised of a variety of traumatic events which you may have experienced. For each of the following "mumbered" questions, indicate whether or not you experienced the event. If you have experienced one of the events, circle "Yes" and complete the "lettered" items immediately following it that ask for more details. If you have not experienced the event, circle "No" and go to the next "numbered" item.

		TT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
No Ye	s I.	Have you been in or witnessed a <u>serious</u> industrial, farm, or car accident, or a large fire or explosion?
		accident, or a large life of explosion.
		b. How old were you at that time(s)? 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>nd</sup>
		c. Were you injured?
		Not at all Severely
		1 2 3 4 5 6 7
		d. Did you feel your life was threatened?
		Not at all Extremely
		1 2 3 4 5 6 7
		e. How traumatic was this for you at that time?
		Not at all Extremely
		1 2 3 4 5 6 7
		ATT A ACTUAL O
		f. How traumatic <u>is</u> this for you now?  Not at all Extremely
		Not at all Extremely 1 2 3 4 5 6 7
		1 2 3 4 3 0 7
		g. What was the event?
No Ye	s 2.	Have you been in a natural disaster such as a tornado, hurricane,
1 1		flood or major earthquake?
		÷ . II
		→ a. How many times? once □ twice □ three + □  — b. How old were you at that time(s)? 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup>
		b. How old were you at that time(s)? 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> c. Were you injured?
		Not at all Severely
		1 2 3 4 5 6 7
		d. Did you feel your life was threatened?
		Not at all Extremely
		1 2 3 4 5 6 7
		. H
		e. How traumatic <u>was</u> this for you at that time?  Not at all Extremely
		1 2 3 4 5 6 7
		f. How traumatic is this for you now?
		Not at all Extremely
		1 2 3 4 5 6 7
- 1		g. What was the event?

	ave you been a victim of a vio assault?	lent crime such as rape, robbery,
9	a. How many times? once	twice D three + D
	b. How old were you at that t	
	c. Were you injured?	
	Not at all	Severely
	1 2 3 4 5	
	<ul> <li>d. Did you feel your life was</li> </ul>	
	Not at all	Extremely
	1 2 3 4 5	6 7
	e. How traumatic was this fo	r you at that time?
	Not at all	Extremely
	1 2 3 4 5	
		_
	f. How traumatic is this for y	
	Not at all	Extremely
	1 2 3 4 5	6 /
	g. What was the crime?	
No Yes 4. As:	child, were you the victim of	either physical or sexual abuse?
		either physical or sexual asuse.
1 1		
1 1	a. How old were you when it	began?
1 1	a. How old were you when it b. How old were you when it	began?
1 1	How old were you when it     How old were you when it     Were you injured?	began? ended?
1 1	a. How old were you when it b. How old were you when it c. Were you injured? Not at all	began? ended? Severely
1 1	How old were you when it     How old were you when it     Were you injured?	began? ended? Severely
1 1	a. How old were you when it b. How old were you when it c. Were you injured? Not at all	began? ended? Severely 6 7
1 1	a. How old were you when it b. How old were you when it c. Were you injured? Not at all 1 2 3 4 5	began? ended? Severely 6 7
1 1	a. How old were you when it b. How old were you when it c. Were you injured? Not at all 1 2 3 4 5 d. Did you feel your life was	began? ended? Severely 6 7 threatened? Extremely
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5	began? ended? Severely 6 7 threatened? Extremely 6 7
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5  e. How traumatic was this fo	began? ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time?
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was  Not at all  1 2 3 4 5  e. How traumatic was this for Not at all	began? ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time? Extremely
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5  e. How traumatic was this fo	began? ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time? Extremely
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5  e. How traumatic was this for Not at all  1 2 3 4 5  f. How traumatic is this for your life was this your life was this your life was thin your life was this your life was thin your life was thin your life was thi	began? ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time? Extremely 6 7  ou now?
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5  e. How traumatic was this for Not at all  1 2 3 4 5  f. How traumatic is this for your life was all and all and all and all all all and all all and all all all all all all all all all al	began? ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time? Extremely 6 7  ou now? Extremely
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5  e. How traumatic was this for Not at all  1 2 3 4 5  f. How traumatic is this for your life was all and all and all and all all all and all all and all all all all all all all all all al	began? ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time? Extremely 6 7  ou now?
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5  e. How traumatic was this for Not at all  1 2 3 4 5  f. How traumatic is this for your life was all  1 2 3 4 5	began? ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time? Extremely 6 7  ou now? Extremely
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5  e. How traumatic was this for Not at all  1 2 3 4 5  f. How traumatic is this for your life was at all  1 2 3 4 5  g. Check () all categories the	began?ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time? Extremely 6 7  ou now? Extremely 6 7
1 1	a. How old were you when it b. How old were you when it c. Were you injured?  Not at all  1 2 3 4 5  d. Did you feel your life was Not at all  1 2 3 4 5  e. How traumatic was this for Not at all  1 2 3 4 5  f. How traumatic is this for your life was all  1 2 3 4 5	began?ended?  Severely 6 7  threatened? Extremely 6 7  r you at that time? Extremely 6 7  ou now? Extremely 6 7

No Yes 5.	As an adult, have you had any unwanted sexual experiences the involved the threat or use of force?	at
	b. How old were you at that time(s)? 1st 2nd 3nd	
	c. Were you injured?	_
	Not at all Severely	
	1 2 3 4 5 6 7	
	d Did you feel your life you threatened?	
	d. Did you feel your life was threatened?  Not at all  Extremely	
	1 2 3 4 5 6 7	
	1 2 3 4 3 0 7	
	e. How traumatic was this for you at that time?	
	Not at all Extremely	
	Not at all Extremely 1 2 3 4 5 6 7	
	6 Hamatananatia ta data faransan anno	
	f. How traumatic <u>is</u> this for you now?  Not at all Extremely	
	1 2 3 4 5 6 7	
	1 2 3 4 3 6 7	
No Yes 6.	As an adult, have you ever been in a relationship in which you were abused either physically or otherwise?	
	a. How old were you when it began?	
	b. How old were you when it ended?	
	c. Were you injured?	
	Not at all Severely	
	1 2 3 4 5 6 7	
	d. Did you feel your life was threatened?	
	Not at all Extremely	
	1 2 3 4 5 6 7	
1 .	e. How traumatic <u>was</u> this for you at that time?	
	Not at all Extremely	
	1 2 3 4 5 6 7	
	f. How traumatic is this for you now?	
	Not at all Extremely	
<b>.</b>	1 2 3 4 5 6 7	

No Yes 7. Have you with injured, or viol				e wb	io wa	s mutilated, seriously	
b. How old	were	you	at th			ce  three +  3 <sup>rd</sup> 3 <sup>rd</sup>	_
c. Were you	_	irea:				,	
Not a				_		rerely	
1	2	3	4	)	6	/	
d. Did you feel you	r life :	wast	threa	tene	d?		
Not a	t all				Extr	emely	
1	2	3	4	5	6	7	
e. How tra	umati	e wa	ıs thi	s for	you	at that time?	
Not a						emely	
1	2	3	4	5	6	7	
f. How trav	umati	e <u>is</u> t	his f	or yo			
Not a						emely	
1	2	3	4	5	6	7	
37 37 0 TT 1			-				
being seriously  a. How man b. How old	y inju ny tin were	red: nes? you	once at th		twic	ce three + 2 ? 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup>	_
being seriously	y inju ny tin were	red: nes? you	once at th		twic me(s)	ce three + 2 3 <sup>rd</sup> 3 <sup>rd</sup>	_
being seriously  a. How man b. How old c. Were you Not a	y inju ny tin were u inju t all	nes? you red?	once at th	e 🗖 at tii	twic me(s) Sev	ce three + 3 and 3 and 2 are	_
being seriously  a. How man b. How old c. Were you Not a	y inju ny tin were u inju t all	nes? you red?	once at th	e 🗖 at tii	twic me(s)	ce three + 3 and 3 and 2 are	_
being seriously  a. How man b. How old c. Were you  Not at  1  d. Did you	y inju ny tin were u inju t all 2 feel y	nes? you red?	once at th	at tü	twic me(s) Sev 6	ce three + 3 3rd 3rd 3rd 2rerely 7	_
being seriously  a. How man b. How old c. Were you  Not at  d. Did you:  Not at	y inju ny tin were u inju t all 2 feel y	nes? you red? 3	once at th 4	at tù	twic me(s) Sev 6 hreate	erely 7  three +	_
being seriously  a. How man b. How old c. Were you  Not at  d. Did you:  Not at	y inju ny tin were u inju t all 2 feel y	nes? you red?	once at th 4	at tü	twic me(s) Sev 6 hreate	erely 7  three +	_
being seriously  a. How man b. How old c. Were you  Not a  1  d. Did you  Not a	y inju ny tin were u inju t all 2 feel y t all 2	nes? you red? 3 our l	once at th 4 life v	at tio	twic me(s) Sev 6 hreate Extr	erely 7  three +	_
being seriously  a. How man b. How old c. Were you  Not a  1  d. Did you  Not a	y inju ny tin were u inju t all 2 feel y t all 2 umatic t all	nes? you red? 3 rour l 3	once at th 4 life v 4	5 vas ti	twick me(s) Sev 6 hreate Extr 6 you a	three +  3rd 3rd 3rd 3rd 3rd 2rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3	_
being seriously  a. How man b. How old c. Were you  Not at 1 d. Did you:  Not at 1 e. How trau	y inju ny tin were u inju t all 2 feel y t all 2 umatic t all	nes? you red? 3 rour l 3	once at th 4 life v 4	5 vas ti	twice several forms of the several forms of the several forms of the several forms of the several forms of twice s	three +  3rd 3rd 3rd 3rd 3rd 2rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3	_
being seriously  a. How man b. How old c. Were you Not at 1  d. Did you: Not at 1  e. How trau Not at 1  f. How trau	y inju ny tin were u inju t all 2 feel y t all 2 umatic t all 2	nes? you yourred? 3 your! 3	once at the 4 life v 4 4 4	5  Solvas ti	twice me(s) Sev 6 hreate Extr 6 you a Extr 6	three +  3rd 3rd 3rd 2rd 3rd 3rd 3rd 2rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3	
being seriously  a. How man b. How old c. Were you Not a 1  d. Did you: Not a 1  e. How trau Not a 1  f. How trau Not a	y injury ting were a injury tall 2 feel y tall 2 matic tall 2 matic tall	nes? you you you  a your  3 your  3 your  3 your  3 your  3	once at the 4 life v 4 s this fo	5 sfor 5	twice me(s) Sev 6 hreate Extr 6 you a Extr 6 u nov Extr	three +  3rd 3rd 3rd 2rd 3rd 3rd 3rd 2rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3	_
being seriously  a. How man b. How old c. Were you Not a 1  d. Did you: Not a 1  e. How trau Not a 1  f. How trau Not a	y injury ting were a injury tall 2 feel y tall 2 matic tall 2 matic tall 2	nes? you red? 3 cour! 3 : is th	once at the 4 life w 4 s this for 4	5 soryo	twice me(s) Sev 6 hreate Extr 6 you a Extr 6	three +  3rd 3rd 3rd 2rd 3rd 3rd 3rd 2rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3rd 3	

No Yes 9	Have you received news of the mutilation, serious injury, or violen or unexpected death of someone close to you?
	** a. How many times? once  twice three +  b. How old were you at that time(s)? 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> c. What relation was this person to you? d. Did you feel your life was threatened? Not at all Extremely 1 2 3 4 5 6 7 e. How traumatic was this for you at that time? Not at all Extremely 1 2 3 4 5 6 7 f. How traumatic is this for you now? Not at all Extremely 1 2 3 4 5 6 7
No Yes	0. Have you ever had any other <u>very traumatic</u> event like these?  a. How many times? once twice three + b. How old were you at that time(s)? 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> c. Were you injured?
	Not at all Severely 1 2 3 4 5 6 7
	d. Did you feel your life was threatened?
	Not at all Extremely
	1 2 3 4 5 6 7
	e. How traumatic <u>was</u> this for you at that time?  Not at all  Extremely
	1 2 3 4 5 6 7
	f. How traumatic <u>is</u> this for you now?  Not at all Extremely
	1 2 3 4 5 6 7
	g. What was the event?

Ψ.											
Νo	Yes 11.	Have y	ou had a	ny e	xpe	rieno	es li	ke tl	hese th	at you feel y	you can't
ı	1	tell ab	out (note	you	a do	n't h	ave t	to de	escribe	the event).	
										three +	
		Ъ.	How old	were	e you	ı at t	nat ti	me(	s)? 1 <sup>*1</sup> _	2 <sup>nd</sup>	3 <sup>rd</sup>
		C.	Were you	ı injı	med'	?					
			Not at	all				Se	verely		
			1	2	3	4	5	6	7		
		d.	Did you	feel 1	vour	life	was t	hrea	tened?		
			Not at						remely		
						4	5				
				2		7		•	,		
		_	U 4			. 4.:	- C-		-44-4	£2	
		e.	How trau			ts tm	s ior	-			
			Not at				_		remely	•	
			1	2	3	4	5	6	7		
		-							_		
		f.	How trau			his f	or yo	ou no	ow?		
			Not at	all				Ext	tremely	,	
			1	2	3	4	5	6	7		

APPENDIX C

#### APPENDIX C

# BARRATT IMPULSIVENESS SCALE (BIS-11)

DIRECTIONS: People differ in the ways they act and think in different situations. This is a test to measure some of the ways in which you act and think. Read each statement and put an X on the appropriate circle on the right side of this page. Do not spend too much time on any statement. Answer quickly and honestly.

	,					
1	2	3		4		
Rarely/Never	Almost Always/Always					
<ol> <li>I plan tasks carefully</li> </ol>			1	2	3	4
2 I do things without the	ninking.		1	2	3	4
3 I make-up my mind o	quickly.		1	2	3	4
4 I am happy-go-lucky	-		1	2	3	4
5 I don't "pay attention	1."		1	2	3	4
6 I have "racing" thoug	ghts.		1	2	3	4
7 I plan trips well ahea	d of time.		1	2	3	4
8 I am self controlled.			1	2	3	4
9 I concentrate easily.			1	2	3	4
10 I save regularly.	1	2	3	4		
11 I "squirm" at plays or		1	2	3	4	
12 I am a careful thinker	12 I am a careful thinker.					4
13 I plan for job security	<b>y</b> .		1	2	3	4
14 I say things without t	14 I say things without thinking.				3	4
15 I like to think about of	complex problems.		1	2	3	4
16 I change jobs.			1	2	3	4
17 I act "on impulse."			1	2	3	4
18 I get easily bored wh	en solving thought probl	ems.	1	2	3	4
19 I act on the spur of th	ne moment.		1	2	3	4
20 I am a steady thinker	-		1	2	3	4
21 I change residences.			1	2	3	4
22 I buy things on impu	lse.		1	2	3	4
23 I can only think abou	t one thing at a time.		1	2	3	4
			<del>-  </del>			

24 I change hobbies.	1	2	3	4
25 I spend or charge more than I earn.	①	2	3	4
26 I often have extraneous thoughts when thinking.	1	2	3	4
27 I am more interested in the present than the future.	1	2	3	4
28 I am restless at the theater or lectures.	1	2	3	4
29 I like puzzles.	1	2	3	4
30 I am future oriented.	1	2	3	4

APPENDIX D

### APPENDIX D

# BALANCED INVENTORY OF DESIRABLE RESPONDING (BIDR)

4

5

6

Using the scale below as a guide, write a number beside each statement to indicate how much you agree with it.

3

2

Not True			Somewhat True			Very True			
	1. My first impressions of people usually turn out to be right.								
	2. It would be hard for me to break any of my bad habits.								
	<ul><li>3. I don't care to know what other people really think of me.</li><li>4. I have not always been honest with myself</li></ul>								
		now why I like	•						
	6. When my 6 thinking.	emotions are ar	oused, it biases	s my					
	_	made up my mi	ind, other peop	le can seldom o	change my o	oinion.			
	8. I am not a safe driver when I exceed the speed limit.  9. I am fully in control of my own fate.								
	10. It's hard f	for me to shut o	off a disturbing	thought.					
	11. I never re	gret my decisio	ons.						
	12. I sometimes lose out on things because I can't make up my mind soon 13. The reason I vote is because my vote can make a difference.					on enough.			
14. My parents were not always fair when they punished				hey punished i	me.				
	15. I am a completely rational person.								
	_ 16. I rarely appreciate criticism.								
	17. I am very confident of my judgments.								
18. I have sometimes doubted my ability as a lover.									
	19. It's all right with me if some people happen to dislike me.								
	20. I don't always know the reasons why I do the things I do.								
	21. I sometimes tell lies if I have to.								
	22. I never cover up my mistakes.								
	23. There have been occasions when I have taken advantage of someone.								

24. I never swear.
 25. I sometimes try to get even rather than forgive and forget.
26. I always obey laws, even if I'm unlikely to get caught.
 27. I have said something bad about a friend behind his or her back. 28. When I hear people talking privately, I avoid listening.
29. I have received too much change from a salesperson without telling him or her.
 30. I always declare everything at
 customs.
31. When I was young I sometimes stole things.
32. I have never dropped litter on the street.
33. I sometimes drive faster than the speed limit.
34. I never read sexy books or magazines.
35. I have done things that I don't tell other people about.
36. I never take things that don't belong to me.
37. I have taken sick-leave from work or school even though I wasn't really sick.
38. I have never damaged a library book or store merchandise without reporting it.
 39. I have some pretty awful habits.
40. I don't gossip about other people's business.

### BIOGRAPHICAL SKETCH

Judy Denise Sifonte is a graduate student in the Clinical Psychology Master's Program at The University of Texas-Pan American. She received a B.A. degree in Psychology from The University of Texas at Austin, which she attended on a full-time basis from 2006 to 2010. She began the graduate program in 2011, after a one-year sabbatical during which she took time to meditate and prioritize her goals and ambitions. Her research areas of interest include psychopathy, personality disorders, disorders of impulse control, among others. Following completion of her Master's Program, Ms. Sifonte plans to continue work in the field of psychological assessments and possibly apply to a doctoral program in the future.

Any questions or comments should be sent to JudySifonte@gmail.com.