

# ABUSE RESEARCH

For archive and to sign up for distribution list:

<http://abuseresearch.info/>

Questions: Harise Stein, MD [harise@stanford.edu](mailto:harise@stanford.edu)

## Child Abuse

Peterson C, Xu L, Florence C, Parks SE.

### Annual Cost of U.S. Hospital Visits for Pediatric Abusive Head Trauma.

Child Maltreat. 2015 Aug;20(3):162-9. PMID: [25911437](#)

CDC estimates of national costs of abusive head trauma (AHT) for children 0-4 years for period 2006-2011: average medical cost (in 2012 dollars) per ED visit \$2612, average cost per admission \$31,901, and average total annual nationwide medical cost of AHT hospital visits \$69.6 million.

King AJ, Farst KJ, Jaeger MW, Onukwube JI, Robbins JM.

### Maltreatment-Related Emergency Department Visits Among Children 0 to 3 Years Old in the United States.

Child Maltreat. 2015 Aug;20(3):151-61. PMID: [25631298](#)

Using data 2006-2011 for children aged 0-3, 0.1% of total ED visits were classified as maltreatment (most common physical abuse) and 1.2% as likely maltreatment (most common neglect).

Westrick AC, Moore M, Monk S, Greeno A, Shannon C.

### Identifying Characteristics in Abusive Head Trauma: A Single-Institution Experience.

Pediatr Neurosurg. 2015;50(4):179-86. PMID: [26068322](#)

Of 138 children (2006-2013) who suffered abusive head trauma at Vanderbilt Medical Center, 61% were Caucasian males and 86.3% were the youngest sibling; median age was 5 months with injuries 31% during summer and 63% on weekdays. 18% died, with median age 8.6 months.

Trautmann J, Alhusen J, Gross D.

### Impact of deployment on military families with young children: A systematic review.

Nurs Outlook. 2015 Nov-Dec;63(6):656-79. PMID: [26183660](#)

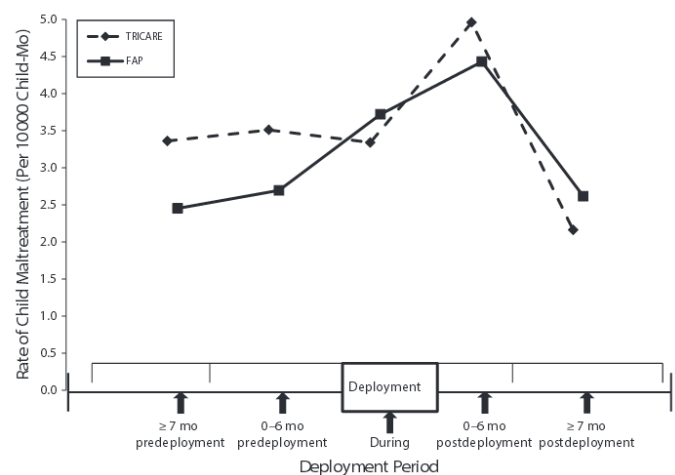
In a review of research articles on the effects of military deployment on young children since 9/11, "Deployment was associated with increased parent stress, child behavior problems, health care utilization, and child maltreatment."

Taylor CM, Ross ME, Wood JN, et. al.

### Differential Child Maltreatment Risk Across Deployment Periods of US Army Soldiers.

Am J Public Health. 2016 Jan;106(1):153-8. PMID: [26562128](#)

Using substantiated CPS reports for 112,325 US Army soldiers over multiple deployments 2001-2007, an increase was noted during deployment but also a previously unrecognized spike in the 6 months after homecoming.



Cozza SJ, Ortiz CD, Fullerton CS, et. al.

### Types, Subtypes, and Severity of Substantiated Child Neglect in U.S. Army Communities.

Mil Med. 2015 Nov;180(11):1147-53. PMID: [26540706](#)

Evaluating child neglect cases from 4 US Army installations, most common were lack of supervision 35.3%, emotional neglect 31.8%, failure to provide physical needs 26.2% and educational neglect 2.6%.

Pierce MC, Magana JN, Kaczor K, et. al.

### The Prevalence of Bruising Among Infants in Pediatric Emergency Departments.

Ann Emerg Med. 2016 Jan;67(1):1-8. PMID: [26233923](#)

From a prospective, multi-center study of children <12 months presenting to emergency rooms with bruising, rates of bruising were 1.3% for younger than 5 months and 6.4% for 5-12 months. 83% of bruising was associated with a trauma chief complaint, and in only 0.2% with a medical chief complaint. 23% of bruised infants received an abuse evaluation, which increased to 50% for those < 5 months.

Martin S.

**Journal Watch Review of Behavioral problems after early life stress: Contributions of the hippocampus and amygdala.**

J Am Psychoanal Assoc. 2015 Dec;63(6):1244-6. PMID: [26671867](#)

Review of a human study which demonstrated a positive correlation between early life stress, decreased amygdala and hippocampal volumes (parts of the brain having to do with learning, memory, emotion and response to stress), and later behavioral problems. Author correlates another study showing that neonatal maternal separation in rat pups lead to increased methylation and diminished activity of a certain gene, which in turn decreased the ability of the adult hippocampal neural cells to grow into neurons.

Freisthler B, Wolf JP, Johnson-Motoyama M.

**Understanding the Role of Context-Specific Drinking in Neglectful Parenting Behaviors.**

Alcohol Alcohol. 2015 Sep;50(5):542-50. PMID: [25810450](#)

From a phone survey of 2152 parents of children 12 years or younger in 50 cities in California, frequency of drinking with friends was associated with leaving a child home alone, drinking with family associated with unsafely monitoring their child, and drinking at parties was associated with leaving a child alone in a car.

## Adult Manifestations of Child Abuse

Bellis MA, Hughes K, Leckenby N, et. al.

**Measuring mortality and the burden of adult disease associated with adverse childhood experiences in England.**

J Public Health (Oxf). 2015 Sep;37(3):445-54. PMID: [25174044](#)

From a national British survey of 3885 adults, 8.3% reported 4 or greater ACEs. This high ACE group experienced increased risks of cancer (2.38 times), diabetes (2.99 times), stroke (5.79 times), and earlier mortality (1.97 times).

Wang Y, Wu B, Yang H, Song X.

**The effect of childhood abuse on the risk of adult obesity.**

Ann Clin Psychiatry. 2015 Aug;27(3):175-84. PMID: [26247216](#)

From a review of research studies, all 4 subcategories of childhood abuse (physical, psychological, sexual, neglect) were associated with adult obesity. The association became stronger with increasing levels of abuse.

Frankenberger DJ, Clements-Nolle K, Yang W.

**The Association between Adverse Childhood Experiences and Alcohol Use during Pregnancy in a Representative Sample of Adult Women.**

Womens Health Issues. 2015 Nov-Dec;25(6):688-95. PMID: [26227209](#)

For 1987 adult pregnant woman, 6% reported drinking alcohol during pregnancy. After controlling for multiple factors including prepregnancy drinking, increasing ACE scores were associated with higher odds of alcohol use during pregnancy (1 ACE 2.92 times more likely, 2-3 ACE 3.52 and 4 or >4 ACEs 4.79).

Jacobs MB, Boynton-Jarrett RD, Harville EW.

**Adverse childhood event experiences, fertility difficulties and menstrual cycle characteristics.**

J Psychosom Obstet Gynaecol. 2015;36(2):46-57. PMID: [25826282](#)

From a self-report survey of 742 pregnant and non-pregnant women from Louisiana aged 18-45, and controlling for likely confounders including age, race, BMI, education, tobacco use or income level, women with high levels of childhood adversity, compared to no adversity, were 2.75 times more likely to experience infertility.

## Adolescents

Schneiderman JU, Negriff S, Peckins M, et. al.

**Body mass index trajectory throughout adolescence: a comparison of maltreated adolescents by maltreatment type to a community sample.**

Pediatr Obes. 2015 Aug;10(4):296-304. PMID: [25170967](#)

In late adolescence, girls who had experienced neglect or sexual abuse began to show higher BMI than comparison girls.

Shao D, Gao QL, Li J, Xue JM, Guo W, Long ZT, Cao FL.

**Test of the stress sensitization model in adolescents following the pipeline explosion.**

Compr Psychiatry. 2015 Oct;62:178-86. PMID: [26343483](#)

For 670 Chinese adolescents who experienced a pipeline explosion, especially for females, a history of childhood emotional abuse increased the PTSD symptoms for those with high explosion exposure.

Shin SH, Hassamal S, Groves LP.

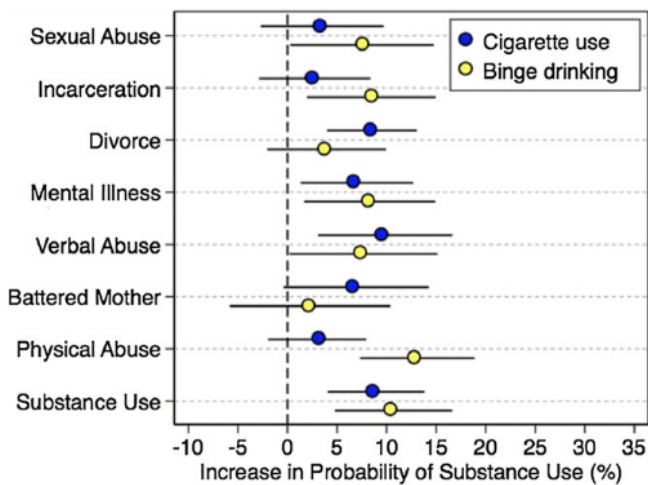
**Examining the role of psychological distress in linking childhood maltreatment and alcohol use in young adulthood.**

Am J Addict. 2015 Oct;24(7):628-36. PMID: [26346173](#)  
 From a community sample of 337 young adults, "Findings suggest that among four types of childhood maltreatment, emotional abuse might be the major driver of pathological drinking among child maltreatment victims."

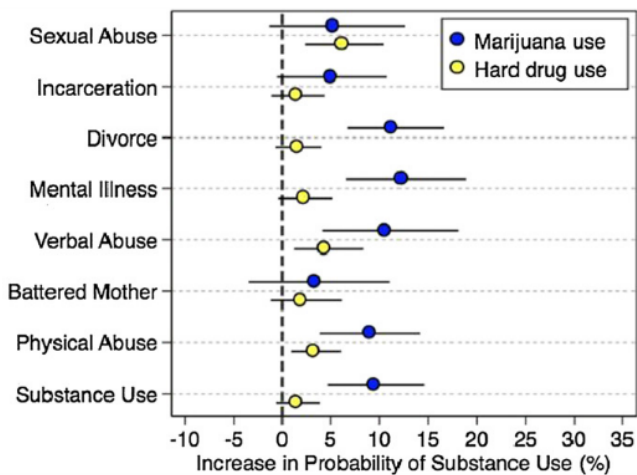
Allem JP, Soto DW, Baezconde-Garbanati L, Unger JB.  
**Adverse childhood experiences and substance use among Hispanic emerging adults in Southern California.**

Addict Behav. 2015 Nov;50:199-204. PMID: [26160522](#)  
 For 1420 Hispanic young adults, specific adverse childhood experiences were associated with higher probability of cigarette smoking, binge drinking, marijuana use and hard drug use.

A. Cigarettes and binge drinking



B. Marijuana and hard drugs



## Domestic Violence – Effects on Children

Douglas EM, Hines DA.

**Children's Exposure to Partner Violence in Homes Where Men Seek Help for Partner Violence Victimization.**

J Fam Violence. 2016 May;31(4):515-525. PMID: [27134344](#)  
 For 611 men seeking help for abuse from their partner, 2/3 had children at home, and those children were exposed to multiple forms of partner violence at higher rates than a general population sample.

Robbins HA, Hurley EA, Liu L, Chao SM.

**Multilevel correlates of broadly- and narrowly-defined intimate partner violence among pregnant women in Los Angeles.**

Matern Child Health J. 2015 Jul;19(7):1643-51. PMID: [25636648](#)  
 In a Los Angeles survey of over 12,000 women who recently gave birth, IPV prevalence during pregnancy was 3.9% by narrow (physical or sexual abuse only) and 18.3% by broad (adding emotional abuse) definition. Both categories were associated with significantly increased odds of substance abuse and medical problems such as hypertension and premature labor.

Stover CS, Coates EE.

**The Relationship of Reflective Functioning to Parent Child Interactions in a Sample of Fathers With Concurrent Intimate Partner Violence Perpetration and Substance Abuse Problems.**

J Fam Violence. 2016 May;31(4):433-442. PMID: [27158188](#)  
 For 24 IPV abusive and substance using fathers with children aged 1-7, substance abuse and IPV perpetration severity were significantly more important variables contributing to child avoidant behavior and pair tension than the factor of fathers' reflective ability.

## Domestic Violence – Physical Health

Stöckl H, Penhale B.

**Intimate Partner Violence and Its Association With Physical and Mental Health Symptoms Among Older Women in Germany.**

J Interpers Violence. 2015 Oct;30(17):3089-111. PMID: [25392386](#)

From a German study of 10,264 women stratified by age, the abuse factor most associated with health symptoms (especially gastrointestinal, psychological and pelvic) was controlling behavior, often not included in screening.

Cohen-Sacher B, Haefner HK, Dalton VK, Berger MB.

**History of Abuse in Women With Vulvar Pruritus, Vulvodinia, and Asymptomatic Controls.**

J Low Genit Tract Dis. 2015 Jul;19(3):248-52. PMID: [26111040](#)

Women presenting for an annual gynecologic exam, or for symptoms of vulvar itching, or symptoms of vulvar pain, all reported similar rates of sexual and physical abuse.

Kazmerski T, McCauley HL, Jones K, et. al.

**Use of reproductive and sexual health services among female family planning clinic clients exposed to partner violence and reproductive coercion.**

Matern Child Health J. 2015 Jul;19(7):1490-6. PMID: [25416386](#)

“Frequent requests for pregnancy and STI [sexually transmitted infection] testing and emergency contraception among young females seeking care may be an indicator of greater risk for recent RC [reproductive coercion], alone and in combination with IPV.”

Borrero S, Nikolajski C, Steinberg JR, et. al.

**"It just happens": a qualitative study exploring low-income women's perspectives on pregnancy intention and planning.**

Contraception. 2015 Feb;91(2):150-6. PMID: [25477272](#)

From interviews with 66 African-American and White women at reproductive health clinics, barriers to the concept of a planned pregnancy included lack of perception that they had reproductive control, male partner reproductive coercion and contractive sabotage, lack of understanding of benefits of a planned pregnancy, and perception of low risk of conceiving. “Because preconception intention and planning do not necessarily occur, decisions about the acceptability of a pregnancy are often determined after the pregnancy has already occurred.”

## Domestic Violence – Mental Health

Brown J, Burnette ML, Cerulli C.

**Correlations Between Sexual Abuse Histories, Perceived Danger, and PTSD Among Intimate Partner Violence Victims.**

J Interpers Violence. 2015 Sep;30(15):2709-25. PMID: [25324230](#)

64% of 164 women seeking protection orders reported significant PTSD symptoms. Risk factors for increased PTSD symptoms included a history of childhood sexual abuse and an increased level of present perceived danger.

Husky MM, Lépine JP, Gasquet I, Kovess-Masfety V.

**Exposure to Traumatic Events and Posttraumatic Stress Disorder in France: Results From the WMH Survey.**

J Trauma Stress. 2015 Aug;28(4):275-82. PMID: [26179388](#)

As part of a European Study, of 1436 French adults “Being beaten up by a romantic partner (25.0%), having a child with serious illness (23.5%), and rape (21.5%) were associated with the highest risk of PTSD. The average duration of PTSD was 5.3 years.”

## Sexual Assault

Millegan J, Milburn EK, LeardMann CA, et. al.

**Recent Sexual Trauma and Adverse Health and Occupational Outcomes Among U.S. Service Women.**

J Trauma Stress. 2015 Aug;28(4):298-306. PMID: [26201507](#)

Of 13,001 US service women, 10.5% reported recent sexual harassment and 2.9% recent sexual assault, both of which were associated with poorer mental health, physical health, difficulties in work/activities, and demotion. “Sexual trauma represents a potential threat to military operational readiness and draws attention to the importance of prevention strategies and services to reduce the burden of sexual trauma on military victims.”

Monteith LL, Menefee DS, Forster JE, et. al.

**Sexual Trauma and Combat During Deployment: Associations With Suicidal Ideation Among OEF/OIF/OND Veterans.**

J Trauma Stress. 2015 Aug;28(4):283-8. PMID: [26190530](#)

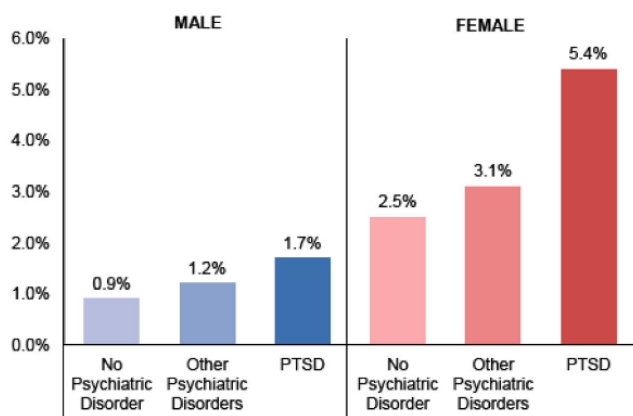
For 199 veterans, controlling for a variety of factors including combat experience, deployment-related sexual trauma was an independent risk factor for suicidal ideation.

O'Donovan A, Cohen BE, Seal KH, et. al.

**Elevated risk for autoimmune disorders in Iraq and Afghanistan veterans with posttraumatic stress disorder.**

Biol Psychiatry. 2015 Feb 15;77(4):365-74. PMID: [25104173](#)

Prevalence of autoimmune disorders in male and female veterans was increased with diagnosis of PTSD. Military sexual trauma for both sexes was also independently associated with increased autoimmune risk.



Loya RM.

**Rape as an Economic Crime: The Impact of Sexual Violence on Survivors' Employment and Economic Well-Being.**

J Interpers Violence. 2015 Oct;30(16):2793-813. PMID: [25381269](#)

From 27 in-depth interviews with sexual assault survivors, "sexual assault and the related trauma response can disrupt survivors' employment in several ways, including time off, diminished performance, job loss, and inability to work. By disrupting income or reducing earning power, all of these employment consequences have implications for survivors' economic well-being in the months or years following the assault."

Cranney S.

**The Relationship Between Sexual Victimization and Year in School in U.S. Colleges: Investigating the Parameters of the "Red Zone".**

J Interpers Violence. 2015 Oct;30(17):3133-45. PMID: [25395226](#)

From a detailed analysis of data parameters from over 16,000 college students from 22 schools, freshman students have significantly higher risk of sexual assault both within and without a party framework. The only increased risk into sophomore year is the category of forced rape at parties. This is not apparently due to Greek pledging, as it is found in schools with and without the Greek system.

McMahon S.

**Participation in High School Sports and Bystander Intentions, Efficacy to Intervene, and Rape Myth Beliefs.**

J Interpers Violence. 2015 Oct;30(17):2980-98. PMID: [25392384](#)

From a survey of 3588 recent high school graduates, "The results indicate that only some minor differences exist between varsity athletes and non-athletes on some of the bystander intention and rape myth acceptance subscales, and no differences exist for bystander efficacy."

CDC

**Updated Guidelines for HIV Prophylaxis after Nonoccupational Exposure 2016**

<http://www.cdc.gov/hiv/pdf/programresources/cdc-hiv-npep-guidelines.pdf>

## Human Trafficking

Ross C, Dimitrova S, Howard LM, et. al.

**Human trafficking and health: a cross-sectional survey of NHS professionals' contact with victims of human trafficking.**

BMJ Open. 2015 Aug 20;5(8):e008682. PMID: [26293659](#)

From a British survey of multiple clinical disciplines, 13% of healthcare providers reported previous contact with a patient they knew or suspected of having been trafficked; this was 20.5% in the maternity services. However they reported very low levels of training, knowledge, and confidence in management.

Stoklosa H, Grace AM, Littenberg N.

**Medical education on human trafficking.**

AMA J Ethics. 2015 Oct 1;17(10):914-21. PMID: [26496054](#)

Review of human trafficking and need for increased medical education on this topic.

<http://journalofethics.ama-assn.org/2015/10/pdf/medu1-1510.pdf>

Chung RJ, English A.

**Commercial sexual exploitation and sex trafficking of adolescents.**

Curr Opin Pediatr. 2015 Aug;27(4):427-33. PMID: [26087419](#)

"This review describes the current state of commercial sexual exploitation and sex trafficking of adolescents in the United States and globally, the legal and health implications of this severe form of abuse, and the roles that pediatric and adolescent healthcare providers can play in addressing this issue."

Roe-Sepowitz DE, Gallagher J, Risinger M, Hickle K.  
**The Sexual Exploitation of Girls in the United States: The Role of Female Pimps.**

J Interpers Violence. 2015 Oct;30(16):2814-30. PMID: [25392377](#)

Case study analysis of 49 female minor sex traffickers from federal, state and local cases (Arizona) showed that females received significantly lower prison and probation sentences than male co-defendants. The features of five specific types of female traffickers are discussed.

## Elder/Dependent Adult Abuse

CDC

**Elder Abuse Surveillance: Uniform Definitions and Recommended Core Data Elements 2016**

[http://www.cdc.gov/violenceprevention/pdf/ea\\_book\\_revised\\_2016.pdf](http://www.cdc.gov/violenceprevention/pdf/ea_book_revised_2016.pdf)

**Elder justice: Preventing and intervening in elder mistreatment.**

Nurs Outlook. 2015 Sep-Oct;63(5):610-3. PMID: [26598770](#)  
Policy Statement from the American Academy of Nursing on policy regarding elder abuse, including recommendations for prevention, recognition, treatment, education, training, and research.

Fisher JM, Rudd MP, Walker RW, Stewart J.

**Training Tomorrow's Doctors to Safeguard the Patients of Today: Using Medical Student Simulation Training to Explore Barriers to Recognition of Elder Abuse.**

J Am Geriatr Soc. 2016 Jan;64(1):168-73. PMID: [26782868](#)  
In a British medical student simulation training on elder abuse, "Students held a low index of suspicion for elder abuse and were overly optimistic regarding the etiology of the individual's injuries. Students lacked the confidence to raise concerns about possible elder abuse, believing that certainty was required before doing so. There was widespread confusion about nomenclature."

## Cultural Issues

Nikolajski C, Miller E, McCauley HL, et. al.  
**Race and reproductive coercion: a qualitative assessment.**  
Womens Health Issues. 2015 May-Jun;25(3):216-23. PMID: [25748823](#)

Of 66 low income women from reproductive health clinics in Western Pennsylvania, 53% of African American (AA) and 20% of white women reported reproductive coercion. "AA women identified relationship transiency and impending incarceration as potential motivations for men to secure a connection with a female partner via pregnancy."

Pearce ME, Jongbloed KA, Richardson CG, et. al.  
**The Cedar Project: resilience in the face of HIV vulnerability.**  
BMC Public Health. 2015 Oct 29;15:1095. PMID: [26510467](#)

From a Canadian study of young urban drug using indigenous people, 92% had experienced childhood maltreatment and 71% foster care. Factors associated with higher resilience included having grown up in a family that often/always lived by traditional culture, or spoke traditional language.

## Perpetrators

Dismukes AR, Johnson MM, Vitacco MJ, Iturri F, Shirtcliff EA.  
**Coupling of the HPA and HPG axes in the context of early life adversity in incarcerated male adolescents.**

Dev Psychobiol. 2015 Sep;57(6):705-18. PMID: [25213098](#)  
50 adolescent males aged 12-18 at a maximum-security correctional facility were assessed as to HPA axis (stress hormone system) and HPG axis (sex hormone system). These axes have been thought to behave inversely – high stress hormones leading to lower sex hormones. However for these individuals, especially those with a higher history of childhood maltreatment, the axes were coupled – high testosterone levels were associated with high cortisol stress hormones.

Fanslow JL, Gulliver P, Dixon R, Ayallo I.  
**Women's Initiation of Physical Violence Against an Abusive Partner Outside of a Violent Episode.**

J Interpers Violence. 2015 Sep;30(15):2659-82. PMID: [25326011](#)

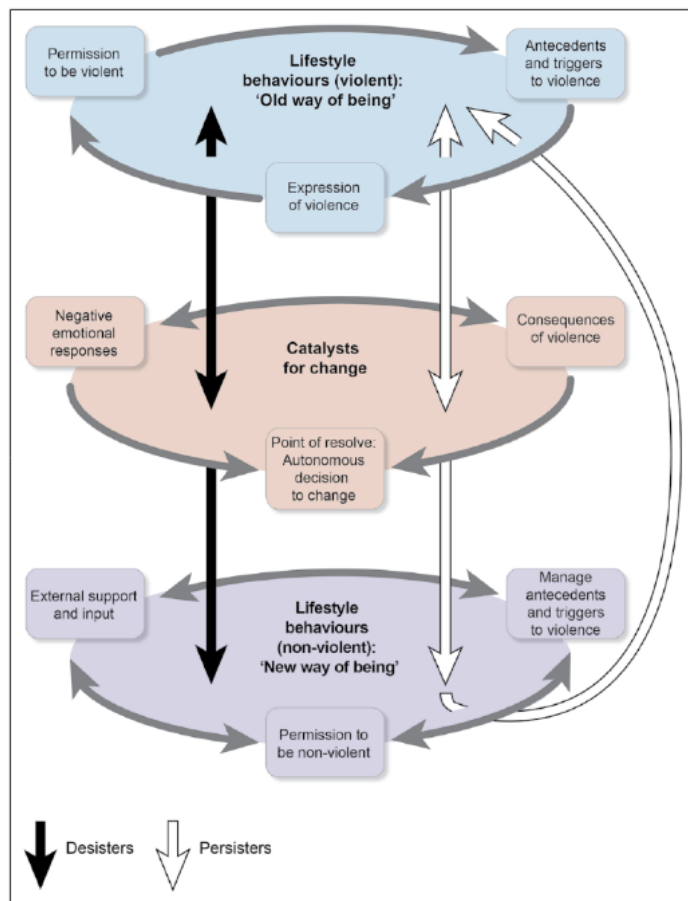
From a New Zealand study of 845 women who had experienced physical violence by their partner, only 19% ever reported physical violence against their partner outside of a male initiated violent episode. Women's initiation of violence was strongly associated with alcohol, drug use, and personal history of childhood exposure to maternal DV.

Walker K, Bowen E, Brown S, Sleath E.

### **Desistance From Intimate Partner Violence: A Conceptual Model and Framework for Practitioners for Managing the Process of Change.**

J Interpers Violence. 2015 Sep;30(15):2726-50. PMID: [25315483](#)

“This model explains how violence fits within the context of perpetrators’ lives, and examines what is different when violence is removed.”



Pedneault A, Beaugard E, Harris DA, Knight RA.

### **Rationally Irrational: The Case of Sexual Burglary.**

Sex Abuse. 2015 Aug;27(4):376-97. PMID: [24469848](#)

In analyzing 224 individual cases of residential burglary with sexual incidents, rather than the premise that such opportunities arose while carrying out regular burglaries, instead sexual burglars acted opportunistically to select targets which were easy to break into and where the victim was alone.

## Providers

Choo EK, Houry DE.

### **Managing intimate partner violence in the emergency department.**

Ann Emerg Med. 2015 Apr;65(4):447-451. PMID: [25533139](#)  
Succinct article with multiple included resources.

Gesink D, Nattel L.

### **A qualitative cancer screening study with childhood sexual abuse survivors: experiences, perspectives and compassionate care.**

BMJ Open. 2015 Aug 5;5(8):e007628. PMID: [26246075](#)  
12 child sexual abuse survivors were interviewed about their experiences with breast, cervical and colon cancer screening, with recommendations for providers on compassionate care.

Montgomery E, Pope C, Rogers J.

### **The re-enactment of childhood sexual abuse in maternity care: a qualitative study.**

BMC Pregnancy Childbirth. 2015 Aug 26;15:194. PMID: [26306798](#)

From interviews with pregnant women with a history of childhood sexual abuse, “Women experienced re-enactment of abuse through pain, loss of control, encounters with strangers and unexpected triggers. Many of these experiences were specific to the woman, often unpredictable and not necessarily avoidable. Maternity care was reminiscent of abuse for women irrespective of whether they had disclosed to midwives and was not necessarily prevented by sensitive care.”

Mason R, Du Mont J.

### **The development of a novel curriculum to address past sexual assault.**

Int J Med Educ. 2015 Nov 21;6:158-60. PMID: [26590350](#)  
Description of the development of an online educational module “Addressing Past Sexual Assault in Clinical Settings”.  
(Canadian resources but general principles apply)  
Module: <http://dveducation.ca/sexualassault/>  
Core competencies:  
<http://www.dveducation.ca/downloads/Sexual-Assault-Competencies.pdf>

Blue Shield California Foundation

### **Collaboration for Integrated Services and Systems Change: Lessons Learned from the Domestic Violence and Healthcare Partnership Project March 2016**

<http://www.blueshieldcafoundation.org/sites/default/files/covers/Collaboration%20for%20Integrated%20Services%20and%20Systems%20Change%20-%20Lessons%20Learned%20from%20DVHCP.pdf>

Goodman LA, Fauci JE, Sullivan CM, et. al.

**Domestic violence survivors' empowerment and mental health: Exploring the role of the alliance with advocates.**

Am J Orthopsychiatry. 2016;86(3):286-96. PMID: [27196389](#)

For 370 help-seeking women in DV programs, stronger alliance with program advocates were associated with reduced symptoms of both depression and PTSD, through empowerment in the domain of safety.

Gilroy H, McFarlane J, Nava A, Maddoux J.

**Community resource use among abused immigrant women: baseline data analysis for a 7-year prospective study.**

J Transcult Nurs. 2014 Oct;25(4):341-7. PMID: [24595164](#)

For 106 abused immigrant women in Texas, "The most frequently noted service needed was counseling (33.0%) followed by legal services (22.3%) and social services (12.6%). Law enforcement was the most commonly used service (59.4%) and the most difficult to receive (48.5%)."

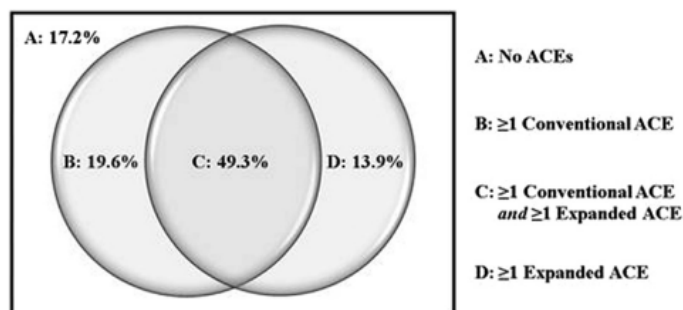
## Researchers

Cronholm PF, Forke CM, Wade R, et. al.

**Adverse Childhood Experiences: Expanding the Concept of Adversity.**

Am J Prev Med. 2015 Sep;49(3):354-61. PMID: [26296440](#)

"Current knowledge of Adverse Childhood Experiences (ACEs) relies on data predominantly collected from white, middle- / upper-middle-class participants and focuses on experiences within the home. Using a more socioeconomically and racially diverse urban population, Conventional and Expanded (community-level) ACEs were measured..." Expanded ACEs included witnessed violence (40.5%), felt discrimination (34.5%), unsafe neighborhood (27.3%), experienced bullying (8.0%), lived in foster care (2.0%).



**Figure 1.** Overlapping exposure to Conventional and Expanded Adverse Childhood Experiences (ACEs).

## Prevention

CDC

Preventing Child Abuse and Neglect: A Technical Package for Policy, Norm, and Programmatic Activities 2016

<http://www.cdc.gov/violenceprevention/pdf/can-prevention-technical-package.pdf>

CDC

Stop SV: A Technical Package to Stop Sexual Violence 2016

<http://www.cdc.gov/violenceprevention/pdf/sv-prevention-technical-package.pdf>

## Other of Interest

Kamath SS.

**Journey of a Girl Child in India During Health and Disease.**

Indian Pediatr. 2015 Oct;52(10):835. PMID: [26499002](#)

From the National President of the Indian Academy of Pediatrics, "There are 1076 women per 1000 men in Europe and 1029 women per 1000 men in North America, but there are only 914 women per 1000 men in India...There are now 48 fewer girls per 1000 boys than there were in 1981...These numbers reflect neglect and mistreatment of the girl child in India."

Kendall T, Albert C.

**Experiences of coercion to sterilize and forced sterilization among women living with HIV in Latin America.**

J Int AIDS Soc. 2015 Mar 24;18:19462. PMID: [25808633](#)

Of 285 women living with HIV in 4 South American countries, 23% reported sterilization pressure from medical providers, including coercion with misinformation, denying medical services, and forced sterilization during caesarean delivery.

Gao Y, Shi L, Smith KC, Kingree JB, Thompson M.

**Physical Aggression and Mindfulness among College Students: Evidence from China and the United States.**

Int J Environ Res Public Health. 2016 May 10;13(5). PMID: [27171103](#)

For samples of college students in both the US and China, the trait of mindfulness (natural mindfulness) was negatively associated with hostility, verbal, physical and anger aggression. Authors suggest future research on whether mindfulness training would lower aggression.