

ABUSE RESEARCH

For archive and to sign up for distribution list:

<http://abuseresearch.info/>

Questions: Harise Stein, MD harise@stanford.edu

Child Abuse

US Dept. of Justice, Office of Violence Against Women
National Protocol for Sexual Abuse Medical Forensic Examinations - Pediatric, April 2016

<https://www.justice.gov/ovw/file/846856/download>

Pediatric sexual abuse forensic support website

<http://www.kidsta.org/>

Skellern C.

Minimising bias in the forensic evaluation of suspicious paediatric injury.

J Forensic Leg Med. 2015 Aug;34:11-6. PMID: [26165652](#)

Discussion of types of cognitive biases applied to forensic evidence in child abuse, with recommendations for forensic examiners and protection organizations to improve objectivity.

Slovits TL, Strouse PJ, Strauss KJ. Radiation

Exposure in Imaging of Suspected Child Abuse: Benefits versus Risks.

J Pediatr. 2015 Nov;167(5):963-8. PMID: [26354874](#)

Review of general principles of imaging exposure in children as well as analysis of recent articles on the dilemma of obtaining possible abuse information vs. future health risk from radiation.

Afifi TO, MacMillan HL, Taillieu T, et. al.

Relationship between child abuse exposure and reported contact with child protection organizations: results from the Canadian Community Health Survey.

Child Abuse Negl. 2015 Aug;46:198-206. PMID: [26002601](#)

From a large national Canadian adult population study, only 7.6% of those with a history of child abuse reported having had contact with child protection services (CPS). Those who reported all three asked conditions of childhood physical abuse, sexual abuse and witnessing IPV were 15.8 times more likely to have been in contact with CPS.

Masson M, Bussi eres EL, East-Richard C, et. al.

Neuropsychological Profile of Children, Adolescents and Adults Experiencing Maltreatment: A Meta-analysis.

Clin Neuropsychol. 2015;29(5):573-94. PMID: [26114949](#)

A review of research on cognitive impairment caused by childhood maltreatment showed that children were affected more than adults, but that both groups experienced deficits in working memory, attention, intelligence and speed of processing.

Connor DF, Ford JD, Arnsten AF, Greene CA.

An Update on Posttraumatic Stress Disorder in Children and Adolescents.

Clin Pediatr (Phila). 2015 Jun;54(6):517-28. PMID: [24990362](#)

Review of epidemiology, definition, presentation and management of PTSD in children and adolescents.

Logan-Greene P, Semanchin Jones A.

Chronic neglect and aggression/delinquency: A longitudinal examination.

Child Abuse Negl. 2015 Jul;45:9-20. PMID: [25910418](#)

Neglect is the most common form of maltreatment in the US. In this study, especially for boys, the "chronic failure to provide" part of neglect significantly predicted aggression/delinquency at age 14, whereas neglect through "chronic lack of supervision" did not show these associations.

Adult Manifestations of Child Abuse

Westfall NC, Nemeroff CB.

The Preeminence of Early Life Trauma as a Risk Factor for Worsened Long-Term Health Outcomes in Women.

Curr Psychiatry Rep. 2015 Nov;17(11):90. PMID: [26384339](#)

Review of the neurobiological, psychological, behavioral and transgenerational health consequences of early life trauma for women, occurring between conception and the beginning of adulthood.

McCrary EJ, Viding E.

The theory of latent vulnerability: Reconceptualizing the link between childhood maltreatment and psychiatric disorder.

Dev Psychopathol. 2015 May;27(2):493-505. PMID: [25997767](#)

“Maltreatment in childhood is associated with a significantly increased likelihood of psychiatric disorder that endures across the life span. If disorders emerge they tend to be more severe and less responsive to treatment. We introduce the concept of latent vulnerability as a way of conceptualizing the nature of this psychiatric risk.”

McGuinness TM, Waldrop JR.

Adverse Childhood Experiences and the Mental Health of Veterans.

J Psychosoc Nurs Ment Health Serv. 2015 Jun;53(6):23-6. PMID: [26091547](#)

“Although combat exposure and suicidal ideation are linked, approximately one half of all suicides among Active Duty service members (who have served since 2001) occurred among those who never deployed. Researchers who sought additional risks for suicide found that Veterans have greater odds of adversities in childhood than the general population.” Authors suggest the importance of assessing ACEs during psychosocial assessment and providing trauma-informed strategies for treatment.

Barrios YV, Sanchez SE, Nicolaidis C, et. al.

Childhood abuse and early menarche among Peruvian women.

J Adolesc Health. 2015 Feb;56(2):197-202. PMID: [25620302](#)

For 1499 pregnant Peruvian woman, compared with women who reported no childhood abuse, those who reported any childhood abuse had a 1.38 times increased odds of early menarche (< age 11).

Post RM, Altshuler LL, Kupka R, et. al.

Verbal abuse, like physical and sexual abuse, in childhood is associated with an earlier onset and more difficult course of bipolar disorder.

Bipolar Disord. 2015 May;17(3):323-30. PMID: [25307301](#)

In this study of bipolar adults, “Childhood verbal abuse alone occurred in 24% of the patients. Similar to a history of physical or sexual abuse, a history of verbal abuse was related to an earlier age of onset of bipolar disorder...other poor prognosis characteristics...and a deteriorating illness course.”

Nurius PS, Green S, Logan-Greene P, Borja S.

Life course pathways of adverse childhood experiences toward adult psychological well-being: A stress process analysis.

Child Abuse Negl. 2015 Jul;45:143-53. PMID: [25846195](#)

From a population health survey with 13,593 adults, increasing ACE score in the face of additional stressors led to more missed days of work/activities. However a high sense of community (social support) was protective.

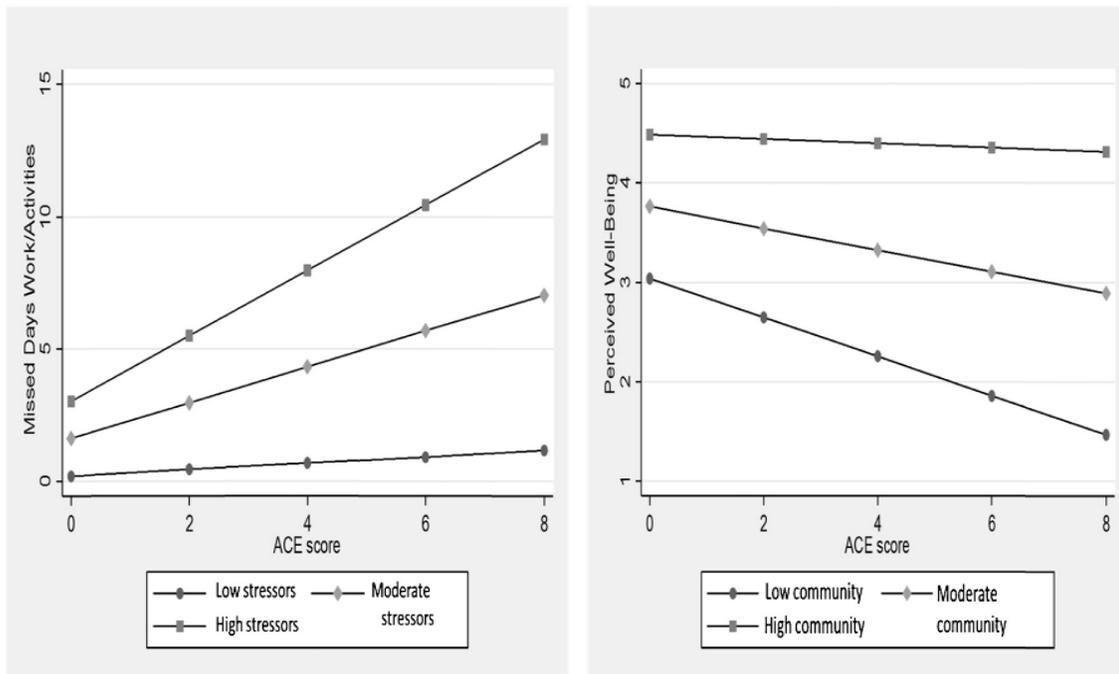


Fig. 1. Illustrating moderation relationships: adult stress (amplifying) and sense of community (buffering) effects of ACEs on missed days activities and perceived well-being.

Adolescents

Dym Bartlett J, Easterbrooks MA.

The moderating effect of relationships on intergenerational risk for infant neglect by young mothers.

Child Abuse Negl. 2015 Jul;45:21-34. PMID: [25823793](#)

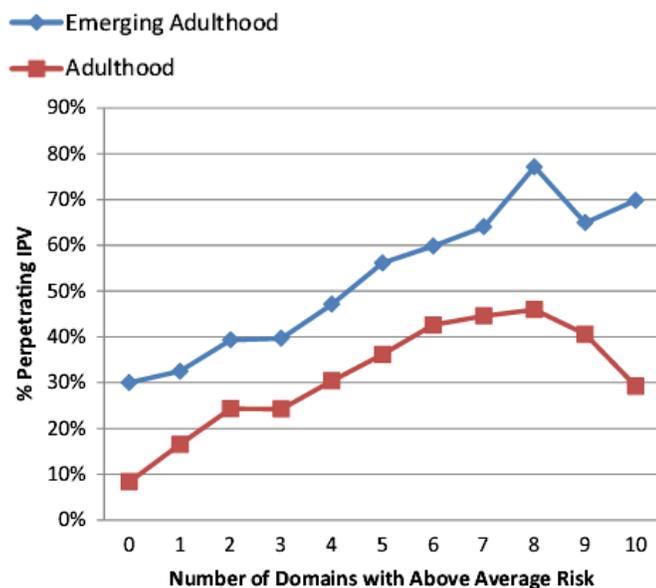
For 447 young mothers (<21 years at birth), 77% of maltreated mothers broke the cycle of abuse/neglect with their infants, evaluated at <30 months. Maternal empathy was considerably higher with increased social support, which had a protective effect.

Smith CA, Greenman SJ, Thornberry TP, Henry KL, Ireland TO.

Adolescent Risk for Intimate Partner Violence Perpetration.

Prev Sci. 2015 Aug;16(6):862-72. PMID: [25939754](#)

From a study of 1000 adolescents into adulthood, an increase in a wide range of personal, family and community factors increased the risk for IPV perpetration, and was similar for males and females.



Duncan AE, Sartor CE, Jonson-Reid M, et. al.

Associations between body mass index, post-traumatic stress disorder, and child maltreatment in young women.

Child Abuse Negl. 2015 Jul;45:154-62. PMID: [25770346](#)

For 3699 young women participating in a twin study, after adjusting for several variables, participants were 2.21 times more likely to be obese if they had experienced childhood sexual abuse. PTSD had only a weak effect on results.

Salwen JK, Hymowitz GF, Bannon SM, O'Leary KD.

Weight-related abuse: Perceived emotional impact and the effect on disordered eating.

Child Abuse Negl. 2015 Jul;45:163-71. PMID: [25636523](#)

For 383 undergraduates, childhood or adolescent verbal weight-related abuse that had a highly perceived emotional impact predicted subsequent binge eating, emotional eating, night eating, and unhealthy weight control.

Domestic Violence – Physical Health

Matteoli M, Piacentino D, Kotzalidis GD, et. al.

The Clinical and Radiological Examination of Acute Intimate Partner Violence Injuries: A Retrospective Analysis of an Italian Cohort of Women.

Violence Vict. 2016;31(1):85-102. PMID: [26646262](#)

Comparing matched groups of Italian women who were seen in an ED and who received x-rays, those who were injured by IPV (vs. stranger assault) were more likely to access the ED after 24 hours, to have been seen prior in the ED, to have a history mismatch (changing story of injury), and to have head/neck/facial injuries vs. injuries to the extremities/trunk. However, pregnant women experiencing IPV were just as likely to experience injury to their trunk as to their head/neck/face.

Domestic Violence – Mental Health

Sørbø MF, Grimstad H, Bjørngaard JH, Lukasse M, Schei B.

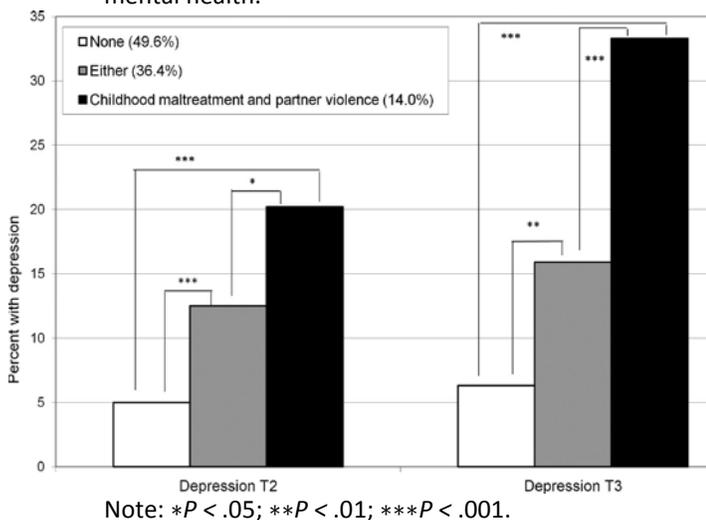
Adult physical, sexual, and emotional abuse and postpartum depression, a population based, prospective study of 53,065 women in the Norwegian Mother and Child Cohort Study.

BMC Pregnancy Childbirth. 2014 Sep 8;14:316. PMID: [25199411](#)

From a large Norwegian study of pregnant women, those with a history of recent adult abuse were 2.6 times more likely to experience post-partum depression than those without a history of abuse.

Ouellet-Morin I, Fisher HL, York-Smith M, et. al.
Intimate partner violence and new-onset depression: a longitudinal study of women's childhood and adult histories of abuse.

Depress Anxiety. 2015 May;32(5):316-24. PMID: [25691224](#)
 British study looking at new onset depression in women followed for seven years, and the relationship with no abuse [white], childhood or adult abuse [grey], or childhood and adult abuse [black], showed robust and long-lasting effects. Results emphasize that it is important for mental health professionals to investigate past and current experiences of abuse in women reporting poor mental health.



Sexual Assault

PreventConnect
Sexual Assault Prevention on U.S. College Campuses,
 updated May 2016

<http://www.preventconnect.org/2016/05/sexual-assault-prevention-on-u-s-college-campuses-a-national-scan/>

Snyder JA.
The Link Between ADHD and the Risk of Sexual Victimization Among College Women: Expanding the Lifestyles/Routine Activities Framework.
 Violence Against Women. 2015 Nov;21(11):1364-84. PMID: [26155795](#)

Discussion of multiple reasons why young women with ADHD might be at more risk for sexual assault, as substantiated by research surveys. These individuals may be more impulsive, less aware of their surroundings and risky situations, and may appear more vulnerable because of their inattentiveness.

Swartout KM, Koss MP, White JW, et. al.
Trajectory Analysis of the Campus Serial Rapist Assumption.
 JAMA Pediatr. 2015 Dec;169(12):1148-54. PMID: [26168230](#)
 "Although a small group of men perpetrated rape across multiple college years, they constituted a significant minority of those who committed college rape and did not compose the group at highest risk of perpetrating rape when entering college. Exclusive emphasis on serial predation to guide risk identification, judicial response, and rape-prevention programs is misguided."

Campbell J.
Campus Sexual Assault Perpetration: What Else We Need to Know.

JAMA Pediatr. 2015 Dec;169(12):1088-9. PMID: [26168072](#)
 Commentary by Jacqueline Campbell on article above, noting limitations of the study as well as need for future specific research.

Brew-Graves E, Morgan L.
Injuries and allegations of oral rape: A retrospective review of patients presenting to a London sexual assault referral centre.

J Forensic Leg Med. 2015 Aug;34:155-8. PMID: [26165676](#)
 From a British review of 95 patients reporting oral rape, 19% sustained an oral injury which were medically minor and did not require treatment. "The most common injury was abrasions, followed by bruising and petechiae [small red spots from bleeding into the skin]. The lips were the most common site of injury followed by the soft palate and the inside of the cheeks."

Draughon Moret JE, Hauda WE 2nd, Price B, Sheridan DJ.
Nonoccupational Postexposure Human Immunodeficiency Virus Prophylaxis: Acceptance Following Sexual Assault.

Nurs Res. 2016 Jan-Feb;65(1):47-54. PMID: [26657480](#)
 From a chart review of 3 forensic nurse examiner programs in urban settings, patients were more likely to accept post-rape prophylaxis for HIV if assault was by more than one or an unknown number of assailants (12 times more likely), no condom was used (8.57), or injury to the genitalia or anus (4.1).

Kennedy KM, Flaherty GT.
The Risk of Sexual Assault and Rape During International Travel: Implications for the Practice of Travel Medicine.

J Travel Med. 2015 Jul-Aug;22(4):282-4. PMID: [25827813](#)
 Succinct article for international travelers with practical tips on rape prevention and local health response after rape.

Rossiter AG, Smith S.

The invisible wounds of war: caring for women veterans who have experienced military sexual trauma.

J Am Assoc Nurse Pract. 2014 Jul;26(7):364-9. PMID: [24574023](#)

Since female veterans may seek care in civilian medical settings, authors suggest all women be asked about possible military service. A pocket card for this purpose is available that can help guide inquiry about military sexual trauma, PTSD and toxic exposures.

<http://www.va.gov/oa/archive/Military-Health-History-Card-for-print.pdf>

Greeson MR, Campbell R.

Coordinated Community Efforts to Respond to Sexual Assault: A National Study of Sexual Assault Response Team Implementation.

J Interpers Violence. 2015 Sep;30(14):2470-87. PMID: [25315485](#)

Analysis of similarities and differences of Sexual Assault Response Teams (SARTs) nationally showed that on average 12 organizations were involved in the SART, with 75% having active membership from police, prosecutors, rape victim advocates, and medical/forensic examiners. Most prioritized their time and resources toward victims' experiences vs. policy/prevention/education.

Human Trafficking

Bounds D, Julion WA, Delaney KR.

Commercial Sexual Exploitation of Children and State Child Welfare Systems.

Policy Polit Nurs Pract. 2015 Feb-May;16(1-2):17-26. PMID: [25908664](#)

Discussion of lessons learned, consequences and implementation challenges when the State of Illinois framed commercial sexual exploitation of children as part of the child welfare system.

Edinburgh L, Pape-Blabolil J, Harpin SB, Saewyc E.

Assessing exploitation experiences of girls and boys seen at a Child Advocacy Center.

Child Abuse Negl. 2015 Aug;46:47-59. PMID: [25982287](#)

Of 62 sexually exploited runaway adolescents, 78% scored positive on a PTSD tool, 57% reported problem substance abuse, 71% cutting behaviors, 75% suicidal ideation, and 50% had attempted suicide.

Murphy M, Bennett N, Kottke M.

Development and Pilot Test of a Commercial Sexual Exploitation Prevention Tool: A Brief Report.

Violence Vict. 2016;31(1):103-10. PMID: [26646412](#)

An educational website with video for adolescents improved their knowledge and attitudes, and decreased their tolerance of commercial sexual exploitation.

Elder/Dependent Adult Abuse

Draper BM.

Suicidal behaviour and suicide prevention in later life.

Maturitas. 2014 Oct;79(2):179-83. PMID: [24786686](#)

Older people have the highest rates of suicide in most countries. Suicidality in later life has complex etiologies that arise from the entire lifespan, including child abuse, as well as more recent issues such as depression, social isolation, and health-related concerns.

Avieli H, Smeloy Y, Band-Winterstein T.

Departure scripts and life review of parents living with abusive adult children with mental disorder.

J Aging Stud. 2015 Aug;34:48-56. PMID: [26162725](#)

20 Israeli aging parents, caretakers of abusive mentally ill adult children, described 5 different scripts for their end of life review/management options: pragmatic, burned-out, dead-end, optimistic, and violent.

Carney A.

Indicators of abuse in the elderly ICU patient.

Crit Care Nurs Q. 2015 Jul-Sep;38(3):293-7. PMID: [26039651](#)

Description of indicators of physical and sexual abuse and neglect in the ICU and critical care setting. "Fear, shame, and lack of knowledge contribute to underreporting of elder abuse and put the safety of elders at risk."

Hildebrand C, Taylor M, Bradway C.

Elder self-neglect: the failure of coping because of cognitive and functional impairments.

J Am Assoc Nurse Pract. 2014 Aug;26(8):452-62. PMID: [24170614](#)

"Elder self-neglect is the most frequently reported form of elder abuse, and can increase risk of death by 16-fold...Caring for elders who are failing to meet their own needs is clinically and ethically challenging."

Breckenridge JP, Devaney J, Kroll T, et. al.

Access and utilisation of maternity care for disabled women who experience domestic abuse: a systematic review.

BMC Pregnancy Childbirth. 2014 Jul 17;14:234. PMID: [25029907](#)

Review of research looking at barriers and facilitators to maternity care for disabled pregnant women who experience domestic abuse.

Cultural Issues

Brockie TN, Dana-Sacco G, Wallen GR, et. al.

The Relationship of Adverse Childhood Experiences to PTSD, Depression, Poly-Drug Use and Suicide Attempt in Reservation-Based Native American Adolescents and Young Adults.

Am J Community Psychol. 2015 Jun;55(3-4):411-21. PMID: [25893815](#)

From an anonymous internet questionnaire of 288 reservation-based Native American adolescents, ACE scores were high and cumulatively increased risks for depression, PTSD, suicidality, and poly-drug use. This ACE survey was expanded to include historical culture loss and experiences of discrimination.

McCauley HL, Silverman JG, Decker MR, et. al.

Sexual and Reproductive Health Indicators and Intimate Partner Violence Victimization Among Female Family Planning Clinic Patients Who Have Sex with Women and Men.

J Womens Health (Larchmt). 2015 Aug;24(8):621-8. PMID: [25961855](#)

From data at 24 family planning clinics in PA, bisexual women were 3 times more likely to report a lifetime history of IPV. They also reported higher levels of sexual risk behaviors, reproductive coercion, unwanted pregnancy, sexually transmitted infections, and less contraceptive care seeking.

Perpetrators

Hegarty K, Forsdike-Young K, Tarzia L, Schweitzer R, Vlasis R. **Identifying and responding to men who use violence in their intimate relationships.**

Aust Fam Physician. 2016;45(4):176-81. PMID: [27052129](#)

Australian article for general practitioners on identification, management and referral of men who use violence in their relationships, and who often also have mental health or substance abuse needs.

Fox BH, Perez N, Cass E, Baglivio MT, Epps N.

Trauma changes everything: examining the relationship between adverse childhood experiences and serious, violent and chronic juvenile offenders.

Child Abuse Negl. 2015 Aug;46:163-73. PMID: [25703485](#)

Using data from 22,575 Florida delinquent youth, each additional adverse experience a child experiences increases the risk of becoming a serious, violent, and chronic juvenile offender by 35%, when controlling for other risk factors for criminal behavior.

Police and Court Systems

Anderson S, Jia JX, Liu V, et. al.

Violence prevention and municipal licensing of indoor sex work venues in the Greater Vancouver Area: narratives of migrant sex workers, managers and business owners.

Cult Health Sex. 2015;17(7):825-41. PMID: [25686777](#)

“Findings indicate that policing practices and licensing requirements increase sex workers' risk of violence and conflict with clients and result in heightened stress, an inability to rely on police support, lost income and the displacement of sex workers to more hidden informal work venues...and exacerbate health and safety risks for sex workers.”

Providers

Wynn GH.

Complementary and alternative medicine approaches in the treatment of PTSD.

Curr Psychiatry Rep. 2015 Aug;17(8):600. PMID: [26073362](#)

“This article will review some of the most widely used non-pharmacologic complementary and alternative medicine practices used to treat post-traumatic stress disorder such as recreational therapy, animal-assisted therapy, yoga, and acupuncture as well as alternative delivery methods for psychotherapy.”

Myers N, Lewis S, Dutton MA.

Open Mind, Open Heart: An Anthropological Study of the Therapeutics of Meditation Practice in the US.

Cult Med Psychiatry. 2015 Sep;39(3):487-504. PMID: [25613595](#)

From interviews with meditation teachers and students in the US on the use of meditation as therapeutic for women, “the practice of meditation enables one to focus on the lived present rather than traumatic memories.”

Collett D, Bennett T.

Putting intimate partner violence on your radar.

JAAPA. 2015 Oct;28(10):24-8. PMID: [26352870](#)
General review article for healthcare providers on identification and management of patients experiencing IPV.

Bradbury-Jones C, Appleton JV, Watts S.

Recognising and responding to domestic violence and abuse: the role of public health nurses.

Community Pract. 2016 Mar;89(3):24-8. PMID: [27111975](#)
British review article on IPV for nurses.

He AS.

Examining intensity and types of interagency collaboration between child welfare and drug and alcohol service providers.

Child Abuse Negl. 2015 Aug;46:190-7. PMID: [26188423](#)
"The co-occurrence of child maltreatment and caregiver substance use disorders (SUDs) is a pervasive problem, with an estimated two thirds of child welfare (CW) systems cases involving SUDs. Interagency collaboration between CW and drug and alcohol service (DAS) providers shows promise in improving connections to and delivery of SUD services for CW-involved families. However, interagency collaboration between CW and DAS providers continues to be difficult to achieve..."

Kids Count Policy Report April 2016

A Shared Sentence: The Devastating Toll of Parental Incarceration on Kids, Families and Communities

<http://www.aecf.org/m/resourcedoc/aecf-asharedsentence-2016.pdf>

Prevention

Carlson J, Casey E, Edleson JL, et. al.

Strategies to Engage Men and Boys in Violence Prevention: A Global Organizational Perspective.

Violence Against Women. 2015 Nov;21(11):1406-25. PMID: [26202155](#)

From interviews with 29 international representatives of organizations engaging men and boys in preventing gender-based violence, "findings suggest that strategies are responsive to the specific cultural, economic, and contextual concerns of the local community, with nuanced messages and appropriate messengers...Attention is also paid to respondents' caution about the risks of framing of engagement practices as separate from both women's organizations and women and girls themselves."

Zolotor AJ, Runyan DK, Shanahan M, et. al.

Effectiveness of a Statewide Abusive Head Trauma Prevention Program in North Carolina.

JAMA Pediatr. 2015 Dec;169(12):1126-31. PMID: [26501945](#)
The Purple Crying intervention was performed in 88.29% of parents of newborns in North Carolina 2009-2012. Two years after intervention, phone calls to nurse advice lines regarding crying dropped by 20%, however there was no reduction in rates of abusive head trauma.

Wood JN.

Challenges in Prevention of Abusive Head Trauma.

JAMA Pediatr. 2015 Dec;169(12):1093-4. PMID: [26501518](#)
Commentary on the article above, with suggestions for interpretation of results and future research considerations.

Euser S, Alink LR, Stoltenborgh M, et. al.

A gloomy picture: a meta-analysis of randomized controlled trials reveals disappointing effectiveness of programs aiming at preventing child maltreatment.

BMC Public Health. 2015 Oct 18;15:1068. PMID: [26476980](#)
Analysis of child maltreatment prevention programs, with identification of factors which may reduce maltreatment. Authors recommend including longer programs and programs that provide parent training in addition to support.

Rodriguez CM, Russa MB, Kircher JC.

Analog assessment of frustration tolerance: association with self-reported child abuse risk and physiological reactivity.

Child Abuse Negl. 2015 Aug;46:121-31. PMID: [25796290](#)
Besides looking at anger as a child abuse risk, low frustration tolerance in parents was associated with increased physical child abuse potential, greater use of parent-child aggression in discipline encounters, dysfunctional disciplinary style, support for physical discipline use, physical discipline escalation, and increased heart rate. Findings could better inform interventions and prevention programs.

Researchers

National Center for PTSD

Compilation of Trauma Exposure Measures

<http://www.ptsd.va.gov/professional/assessment/t-e-measures/index.asp>

McCaslin SE, Maguen S, Metzler T, et. al.

Assessing posttraumatic stress related impairment and well-being: The Posttraumatic Stress Related Functioning Inventory (PRFI).

J Psychiatr Res. 2016 Jan;72:104-11. PMID: [26615453](#)
New self-report 27-item survey to better understand the perceived impact of PTSD symptoms in three domains: work/school, relationships, and quality of life.

Hovdestad W, Campeau A, Potter D, Tonmyr L.

A systematic review of childhood maltreatment assessments in population-representative surveys since 1990.

PLoS One. 2015 May 18;10(5):e0123366. PMID: [25993481](#)
Review of "54 difference surveys that can be used to explore the population health relevance of child maltreatment."

Evans M, Gregory A, Feder G, Howarth E, Hegarty K.

"Even 'Daily' is Not Enough": How Well Do We Measure Domestic Violence and Abuse?-A Think-Aloud Study of a Commonly Used Self-Report Scale.

Violence Vict. 2016;31(1):3-26. PMID: [26645540](#)
Interviews with women who have used the Composite Abuse Scale revealed underreporting due to uncertainty of what is asked, fear of answering truthfully, and unwillingness to identify with certain forms of abuse. Suggestions are made for rewording or re-conceptualizing items.

Other of Interest

United Nations Population Fund 2015

Demographic Perspectives on Female Genital Mutilation

http://www.unfpa.org/sites/default/files/pub-pdf/1027123_UN_Demographics_v3%20%281%29.pdf

UNICEF

Female Genital Mutilation/Cutting Infographic, 2016

http://www.unicef.org/media/files/FGMC_2016_brochure_final_UNICEF_SPREAD%282%29.pdf

Thompson K, McDougall R.

Restricting Access to ART on the Basis of Criminal Record

J Bioeth Inq. 2015 Sep;12(3):511-20. PMID: [25701147](#)
Ethical discussion of the 2010 Australian state of Victoria law requiring a woman to be denied assisted reproductive technologies if either partner has had a child protection conviction/protection order or certain criminal convictions.

Waechter R, Ma V.

Sexual Violence in America: Public Funding and Social Priority.

Am J Public Health. 2015 Dec;105(12):2430-7. PMID: [26469639](#)

↓
Annual US (2013) economic burden [black] vs. research/prevention funding [white] for sexual assault vs. a variety of medical conditions.

