

The Lifetime Health Effects of Child Abuse and Neglect

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References

- Agency for Healthcare Research and Quality (2002). *S-Adenosyl-L-Methionine for treatment of depression, osteoarthritis, and liver disease* (Evidence Report/Technology Assessment No. 64). Rockville, MD: U.S. Department of Health and Human Services.
- American Medical Association (1995). *Diagnostic and treatment guidelines on the mental health effects of family violence*. www.ama-assn.org.
- Arata, C.M. (2000). From child victim to adult victim: A model for predicting sexual revictimization. *Child Maltreatment, 5*, 28-38.
- Babyak, M., Blumenthal, J.A., Herman, S., Khatri, P., Doraiswamy, M., Moore, K., Craighead, W.E., Baldewicz, T.T., & Krishnan, K.R. (2000). Exercise treatment for major depression: Maintenance of therapeutic benefit at 10 months. *Psychosomatic Medicine, 62*, 633-638.
- Baxter, L.R., Schwartz, J.M., Bergman, K.S., & Szuba, M.P. (1992). Caudate glucose metabolic rate changes with both drug and behavioral therapy for obsessive-compulsive disorders. *Archives of General Psychiatry, 49*, 681-689.
- Becker-Lausen, E., & Mallon-Kraft, S. (1997). Pandemic outcomes: The intimacy variable. In G.K. Kantor & J.S. Jasinski (Eds.) *Out of darkness: Current perspectives on family violence* (pp. 49-57). Newbury Park, CA: Sage.
- Boltwood, M.D., Taylor, C.B., Burke, M.B., Grogin, H., & Giacomini, J. (1993). Anger report predicts coronary artery vasomotor response to mental stress in atherosclerotic segments. *American Journal of Cardiology, 72*, 1361-1365.
- Bower, J.E., Kemeny, M.E., Taylor, S.E., & Fahey, J.L. (1998). Cognitive processing, discovery of meaning, CD4 decline, and AIDS-related mortality among bereaved HIV-seropositive men. *Journal of Consulting and Clinical Psychology, 66*, 979-986.
- Bowman, E.S. (2000). The assets and liabilities of conservative religious faith for persons with severe dissociative disorders. *Journal of Psychology and Christianity, 19*, 122-148.

- Brady, J.L., Guy, J.D., Poelstra, P.L., & Brokaw, B.F. (1999). Vicarious traumatization, spirituality, and the treatment of sexual abuse survivors: A national survey of women psychotherapists. *Professional Psychology: Research and Practice, 30*, 386-393.
- Bremner, J.D., Randall, P., Scott, T.M., Capelli, S., Delaney, R., McCarthy, G., & Charney, D.S. (1995). Deficits in short-term memory in adult survivors of childhood abuse. *Psychiatry Research, 59*, 97-107.
- Bremner, J.D., Randall, P., Vermetten, E., Staib, L., Bronen, R.A., Mazure, C., Capelli, S., McCarthy, G., Innis, R.B., & Charney, D.S. (1997). Magnetic resonance imaging-based measurements of hippocampal volume in posttraumatic stress disorder related to childhood physical and sexual abuse: A preliminary report. *Biological Psychiatry, 41*, 23-32.
- Bremner, J.D., Southwick, S.M., Johnson, D.R., Yehuda, R., & Charney, D.S. (1993). Childhood physical abuse and combat-related posttraumatic stress disorder in Vietnam veterans. *American Journal of Psychiatry, 150*, 235-239.
- Breslau, N., Davis, G.C., Andreski, P., & Peterson, E.L. (1997). Sex differences in post-traumatic stress disorder. *Archives of General Psychiatry, 54*, 1044-1048.
- Brown, M-A., Goldstein-Shirley, J., Robinson, J., & Casey, S. (2001). The effects of multi-modal intervention trial on light, exercise, and vitamins on women's mood. *Women & Health, 34*, 93-112.
- Chandy, J.M., Blum, R.W., & Resnick, M.D. (1996a). Female adolescents with a history of sexual abuse: Risk, outcomes and protective factors. *Journal of Interpersonal Violence, 11*, 503-518.
- Chandy, J.M., Blum, R.W., & Resnick, M.D. (1996b). History of sexual abuse and parental alcohol misuse: Risk, outcomes, and protective factors in adolescents. *Child and Adolescent Social Work Journal, 13*, 411-432.
- Choquet, M., Darves-Bornoz, J-M, Ledoux, S., Manfredi, R., & Hassler, C. (1997). Self-reported health and behavioral problems among adolescent victims of rape in France: Results of a cross-sectional survey. *Child Abuse and Neglect, 21*, 823-832.
- Clark, K.M., Friedman, H.S., & Martin, L.R. (1999). A longitudinal study of religiosity and mortality risk. *Journal of Health Psychology, 4*, 381-391.
- Cole, S.W., Kemeny, M.E., & Taylor, S.E. (1997). Social identity and physical health: Accelerated HIV progression in rejection-sensitive gay men. *Journal of Personality and Social Psychology, 72*, 320-335.

- Colman, R.A., & Widom, C.S. (2004). Childhood abuse and neglect and adult intimate relationships: A prospective study. *Child Abuse & Neglect*, 28, 1133-1151.
- Crofford, L.J., Pillemer, S.R., Kalogeras, K.T., Cash, J.M., Michelson, D., Kling, M.A., Sternberg, E.M., Gold, P.W., Chrousos, G.P., & Wilder, R.L. (1994). Hypothalamic-pituitary-adrenal axis perturbation in patients with fibromyalgia. *Arthritis and Rheumatism*, 11, 1583-1592.
- Desai, R.A., Lam, J., & Rosenheck, R.A. (2000). Childhood risk factors for criminal justice involvement in a sample of homeless people with serious mental illness. *Journal of Nervous and Mental Disease*, 188, 324-332.
- Downey, G., Freitas, A.L., Michaelis, B., & Khouri, H. (1998). The self-fulfilling prophecy in close relationships: Rejection sensitivity and rejection by romantic partners. *Journal of Personality and Social Psychology*, 75, 545-560.
- Downey, G., Silver, R.C., & Wortman, C.B. (1990). Reconsidering the attribution-adjustment relation following a major negative event: Coping with the loss of a child. *Journal of Personality and Social Psychology*, 59, 925-940.
- Drossman, D.A., Li, Z., Leserman, J., Toomey, T.C., & Hu, Y.J.B. (1996). Health status by gastrointestinal diagnosis and abuse history. *Gastroenterology*, 110, 999-1007.
- Dunaif, A. (2005). Women's health. In A.S. Fauci, E. Braunwald, K.J. Isselbacher, J.D. Wilson, J.B. Martin, D.L. Kasper, S.L. Hauser & D.L. Longo (Eds.). *Harrison's Principles of Internal Medicine*, 16th Ed., (pp. 28-32), New York: MacGraw-Hill.
- Feiring, C., Taska, L., & Lewis, M. (1998). The role of shame and attributional style in children's and adolescents' adaptation to sexual abuse. *Child Maltreatment*, 3, 129-142.
- Felitti, V.J. (1991). Long-term medical consequences of incest, rape, and molestation. *Southern Medical Journal*, 84, 328-331.
- Felitti, V.J. (2001). Reverse alchemy in childhood: Turning gold into lead. *Health Alert*, 8, 1-4.
- Felitti, V.J., Anda, R.F., Nordenberg, D., Williamson, D.F., Spitz, A.M., Edwards, V., Koss, M.P., & Marks, J.S. (2001). Relationship of childhood abuse and household dysfunction to many of the leading causes of death in adults. In K. Franey, R. Geffner, & R. Falconer (Eds.) *The Cost of Child Maltreatment: Who Pays? We All Do* (pp.53-69). San Diego, CA: Family Violence and Sexual Assault Institute.

- Fergusson, D.M., Horwood, L.J., & Lynskey, M.T. (1997). Childhood sexual abuse, adolescent sexual behaviors and sexual revictimization. *Child Abuse & Neglect*, 21, 789-803.
- Finestone, H.M., Stenn, P., Davies, F., Stalker, C., Fry, R., & Koumanis, J. (2000). Chronic pain and health care utilization in women with a history of childhood sexual abuse. *Child Abuse and Neglect*, 24, 547-556.
- Finkelhor, D., Hotaling, G.T., Lewis, I.A., & Smith, C. (1989). Sexual abuse and its relationship to later sexual satisfaction, marital status, religion and attitudes. *Journal of Interpersonal Violence*, 4, 379-399.
- Fleming, J., Mullen, P.E., Sibthorpe, B., & Bammer, G. (1999). The long-term impact of childhood sexual abuse in Australian women. *Child Abuse and Neglect*, 23, 145-159.
- Freedman, S.R., & Enright, R.D. (1996). Forgiveness as an intervention goal with incest survivors. *Journal of Consulting and Clinical Psychology*, 64, 983-992.
- Gallo, L.C., Troxel, W.M., Matthews, K.A., & Kuller, L.H. (2003). Marital status and quality in middle-aged women: Associations with levels and trajectories of cardiovascular risk factors. *Health Psychology*, 22, 453-463.
- Gallop, R., McKeever, P., Toner, B., Lancee, W., & Lueck, M. (1995). Inquiring about childhood sexual abuse as part of the nursing history: Opinions of abused and nonabused nurses. *Archives of Psychiatric Nursing*, IX, 146-151.
- Gershon, M.D. (1998). *The second brain*. New York: Harper.
- Golding, J.M. (1999). Sexual assault history and headache: Five general population studies. *The Journal of Nervous and Mental Disease*, 187, 624-629.
- Grimstad, H., & Schei, B. (1999). Pregnancy and delivery for women with a history of child sexual abuse. *Child Abuse and Neglect*, 23, 81-90.
- Grus, C.L., Lopez-Hernandez, C., Delamater, A., Appelgate, B., Brito, A., Wurm, G., & Wanner, A. (2001). Parental self-efficacy and morbidity in pediatric asthma. *Journal of Asthma*, 38, 99-106.
- Gurvits, T.V., Gilbertson, M.W., Lasko, N.B., Tarhan, A.S., Simeon, D., Macklin, M.L., Orr, S.P., & Pitman, R.K. (2000). Neurologic soft signs in chronic posttraumatic stress disorder. *Archives in General Psychiatry*, 57, 181-186.
- Harrop-Griffiths, J., Katon, W., Walker, E., Holm, L., Russo, J., & Hickok, L. (1988). The association between chronic pelvic pain, psychiatric diagnoses, and childhood sexual abuse. *Obstetrics and Gynecology*, 71, 589-593.

- Hassmen, P., Koivula, N., & Uutela, A. (2000). Physical exercise and psychological well-being: A population study in Finland. *Preventive Medicine, 30*, 17-25.
- Hibbeln, J.R. (2002). Seafood consumption, the DHA content of mothers' milk and prevalence rates of postpartum depression: A cross-national, ecological analysis. *Journal of Affective Disorders, 69*, 15-29.
- Holder, D.W., Durant, R.H., Harris, T.L., Daniel, J. H., Obeidallah, D., & Goodman, E. (2000). The association between adolescent spirituality and voluntary sexual activity. *Journal of Adolescent Health, 26*, 295-302.
- Hulme, P.A. (2000). Symptomatology and health care utilization of women primary care patients who experienced childhood sexual abuse. *Child Abuse and Neglect, 24*, 1471-1484.
- Hypericum Depression Trial Study Group. (2002). Effect of *Hypericum perforatum* (St. John's Wort) in major depressive disorder. *Journal of the American Medical Association, 287*, 1807-1814.
- Iribarren, C., Sidney, S., Bild, D.E., Liu, K., Markovitz, J.H., Roseman, J.M., & Matthews, K. (2000). Association of hostility with coronary artery calcification in young adults: The CARDIA study. *Journal of the American Medical Association, 283*, 2546-2551.
- Jinich, S., Paul, J.P., Stall, R., Acree, M., Kegeles, S., Hoff, C., & Coates, T.J. (1998). Childhood sexual abuse and HIV risk-taking behavior among gay and bisexual men. *AIDS and Behavior, 2*, 41-51.
- Kendall-Tackett, K.A. (2003). *Treating the long-term effects of childhood abuse*. New York: Civic Research Institute.
- Kendall-Tackett, K.A., & Marshall, R. (1999). Victimization and diabetes: An exploratory study. *Child Abuse and Neglect, 23*, 593-596.
- Kendall-Tackett, K.A., Marshall, R., & Ness, K.E. (2003). Chronic pain syndromes and violence against women. *Women and Therapy, 26*, 45-56.
- Kiecolt-Glaser, J.K., & Newton, T.L. (2001). Marriage and health: His and hers. *Psychological Bulletin, 127*, 472-503.
- Lecrubier, Y., Clerc, G., Didi, R., & Kieser, M. (2002). Efficacy of St. John's wort extract WS 5570 in major depression: A double-blind, placebo-controlled trial. *American Journal of Psychiatry, 159*, 1361-1366.

- Leserman, J., Drossman, D.A., Li, Z., Toomey, T.C., Nachman, G., & Glogau, L. (1996). Sexual and physical abuse history in gastroenterology practice: How types of abuse impact health status. *Psychosomatic Medicine*, 58, 4-15.
- Little, L., & Hamby, S. (1996). Impact of a clinician's sexual abuse history, gender, and theoretical orientation on treatment issues related to childhood sexual abuse. *Professional Psychology: Research & Practice*, 27, 617-625.
- McBeth, J., MacFarlane, G.J., Benjamin, S., Morris, S., & Silman, A.J. (1999). The association between tender points, psychological distress, and adverse childhood experiences: A community-based sample. *Arthritis and Rheumatism*, 42, 1397-1404.
- McCullough, M.E., Hoyt, W.T., Larson, D.B., Koenig, H.G., & Thoresen, C. (2000). Religious involvement and mortality: A meta-analytic review. *Psychological Bulletin*, 19, 211-222.
- McMillan, C., & Zuravin, S. (1997). Attributions of blame and responsibility for child sexual abuse and adult adjustment. *Journal of Interpersonal Violence*, 12, 30-48.
- Mountz, J.M., Bradley, L.A., Modell, J.G., Alexander, R.W., Triana-Alexander, M., Aaron, L.A., Stewart, K.E., Alarcon, G.S., & Mountz, J.D. (1995). Fibromyalgia in women: Abnormalities of regional cerebral blood flow in the thalamus and the caudate nucleus are associated with low pain threshold levels. *Arthritis and Rheumatism*, 7, 926-938.
- Munakata, J., Naliboff, B., Harraf, F., Kodner, A., Lembo, T., Chang, L., Silverman, D.H.S., & Mayer, E. (1997). Repetitive sigmoid stimulation induces rectal hyperalgesia in patients with irritable bowel syndrome. *Gastroenterology*, 112, 55-63.
- Murphy, P.E., Ciarrocchi, J.W., Piedmont, R.L., Cheston, Peyrot, & Fitchett, G. (2000). The relation of religious belief and practices, depression, and hopelessness in persons with clinical depression. *Journal of Consulting and Clinical Psychology*, 68, 1102-1106.
- Oxman, T.E., Freeman, D.H., & Manheimer, E.D. (1996). Lack of social participation or religious strength and comfort as risk factors for death after cardiac surgery in the elderly. *Psychosomatic Medicine*, 57, 5-15.
- Peet, M., & Horrobin, D.F. (2002). A dose-ranging study of the effects of ethyl-eicosapentaenoate in patients with ongoing depression despite apparently adequate treatment with standard drugs. *Archives of General Psychiatry*, 59, 913-919.

- Philipp, M., Kohnen, R., & Hiller, K-O. (1999). Hypericum extract versus imipramine or placebo in patients with moderate depression: Randomized multicenter study of treatment for eight weeks. *British Medical Journal*, *319*, 1534-1539.
- Prentice, J.C., Lu, M.C., Lange, L., & Halfon, N. (2002). The association between reported childhood sexual abuse and breastfeeding initiation. *Journal of Human Lactation*, *18*, 219-226.
- Preston, J., & Johnson, J. (2004). *Clinical psychopharmacology made ridiculously simple, Edition 5*. Miami, FL: MedMaster.
- Pritt, A.F. (1998). Spiritual correlates of reported sexual abuse among Mormon women. *Journal for the Scientific Study of Religion*, *37*, 273-285.
- Raikkonen, K., Matthews, K.A., & Salomon, K. (2003). Hostility predicts metabolic syndrome risk factors in children and adolescents. *Health Psychology*, *22*, 279-286.
- Roberts, R., O'Connor, T., Dunn, J., Golding, J., & the ALSPAC Study Team. (2004). The effects of child sexual abuse in later family life: Mental health, parenting and adjustment of offspring. *Child Abuse & Neglect*, *28*, 525-545.
- Roizenblatt, S., Moldofsky, H., Benedito-Silva, A.A., & Tufik, S. (2001). Alpha sleep characteristics in fibromyalgia. *Arthritis and Rheumatism*, *44*, 222-230.
- Rossetti, S.J. (1995). The impact of child sexual abuse on attitudes toward God and the Catholic Church. *Child Abuse and Neglect*, *19*, 1469-1481.
- Russell, I.J., Orr, M.D., Littman, B., Vipraio, G.A., Alboukrek, D., Michalek, J.E., Lopez, Y., & MacKillip, F. (1994). Elevated cerebrospinal fluid levels of substance P in patients with the fibromyalgia syndrome. *Arthritis and Rheumatism*, *37*, 1593-1601.
- Scarinci, I.C., McDonald-Haile, J., Bradley, L.A., & Richter, J.E. (1994). Altered pain perception and psychosocial features among women with gastrointestinal disorders and history of abuse: A preliminary model. *American Journal of Medicine*, *97*, 108-118.
- Schofferman, J., Anderson, D., Hinds, R., Smith, G., & White, A. (1992). Childhood psychological trauma correlates with unsuccessful lumbar spine surgery. *Spine*, *17*, S1381-S1384.
- Schuck, A.M., & Widom, C. (2001). Childhood victimization and alcohol symptoms in females: Causal inferences and hypothesized mediators. *Child Abuse and Neglect*, *25*, 1069-1092.

- Segerstrom, S.C., Taylor, S.E., Kemeny, M.E., & Fahey, J.L. (1998). Optimism is associated with mood, coping and immune change in response to stress. *Journal of Personality and Social Psychology*, *74*, 1646-1655.
- Segerstrom, S.C., Taylor, S.E., Kemeny, M.E., Reed, G.M., & Visscher, B.R. (1996). Causal attributions predict rate of immune decline in HIV-Seropositive gay men. *Health Psychology*, *15*, 485-493.
- Seng, J.S., Oakley, D.J., Sampsel, C.M., Killion, C., Graham-Bermann, S., & Liberzon, I. (2001). Posttraumatic stress disorder and pregnancy complications. *Obstetrics and Gynecology*, *97*, 17-22.
- Silk, K.R., Lee, S., Hill, E.M., & Lohr, N.E. (1995). Borderline personality disorder symptoms and severity of sexual abuse. *American Journal of Psychiatry*, *152*, 1059-1064.
- Snyder, C.R., & Brown, J. (1999, August). *Hope as related to perceived severity and tolerance of physical pain*. Poster presented at the meetings of the American Psychological Association, Boston, MA.
- Snyder, C.R., Irving, L.M., & Anderson, J.R. (1991). Hope and health. In C.R. Snyder & D.R. Forsyth (Eds.) *Handbook of Social and Clinical Psychology: The Health Perspective*. Elmsford, NY: Pergamon Press.
- Solomon, Z., & Ginzburg, K. (1999). Aging in the shadow of war. In A. Maercker, M. Schutzwohl, & Z. Solomon (Eds.), *Posttraumatic stress disorder: A lifespan developmental perspective* (pp. 137-154). Seattle: Hogrefe & Huber.
- Sonnleitner, M.R., Basil, V.M., & Van Hasselt, V.B. (1999, August). *Impact of early exposure to violence on battered women*. Poster presented at the annual meetings of the American Psychological Association, Boston, MA.
- Spiegel, D. (1999). Healing words: Emotional expression and disease outcome. *Journal of the American Medical Association*, *281*, 1328-1329.
- Springs, F.E., & Friedrich, W.N. (1992). Health risk behaviors and medical sequelae of childhood sexual abuse. *Mayo Clinic Proceedings*, *67*, 527-532.
- Strawbridge, W.J., Shema, S.J., Cohen, R.D., & Kaplan, G.A. (2001). Religious attendance increases survival by improving and maintaining good health behaviors, mental health, and social relationships. *Annals of Behavioral Medicine*, *23*, 68-74.
- Talley, N.J., Fett, S.L., & Zinsmeister, A.R. (1995). Self-reported abuse and gastrointestinal disease in outpatients: Association with irritable bowel-type symptoms. *American Journal of Gastroenterology*, *90*, 366-371.

- Talley, N.J., Fett, S.L., Zinsmeister, A.R., & Melton, L.J. (1994). Gastrointestinal tract symptoms and self-reported abuse: A population-based study. *Gastroenterology*, *107*, 1040-1049.
- Teegen, F. (1999). Childhood sexual abuse and long-term sequelae. In A. Maercker, M. Schutzwohl, & Z. Solomon (Eds.), *Posttraumatic stress disorder: A lifespan developmental perspective* (pp. 97-112). Seattle: Hogrefe & Huber.
- Toner, B.B., Segal, Z.V., Emmott, S.D., & Myran, D. (2000). *Cognitive-behavioral treatment of irritable bowel syndrome: The brain-gut connection*. New York: Guilford.
- Van Gorp, G., Meterissian, G.B., Haiek, L.N., McCusker, J., & Bellavance, F. (2002). St. John's wort or sertraline?: Randomized controlled trial in primary care. *Canadian Family Physician*, *48*, 905-912.
- Van Houdenhove, B., Neerinckx, E., Lysens, R., Vertommen, H., van Houdenhove, L., Onghena, P., Westhovens, R., & D'Hooghe, M-B. (2001). Victimization in chronic fatigue syndrome and fibromyalgia in tertiary care: A controlled study on prevalence and characteristics. *Psychosomatics*, *42*, 21-28.
- Walker, E., Katon, W., Roy-Byrne, P., Jemelka, R., & Russo, J. (1993). Histories of sexual victimization in patients with irritable bowel syndrome or inflammatory bowel disease. *American Journal of Psychiatry*, *150*, 1502-1506.
- Weinberg, N.S., Sroufe, L.A., Egeland, B., & Carlson, E.A. (1999). The nature of individual differences in infant-caregiver attachment. In J. Cassidy and P.R. Shaver (Eds.), *The Handbook of Attachment: Theory, research, and clinical applications*. New York: Guilford.
- Williams, J.E., Paton, C.C., Siegler, I.C., Eigenbrodt, M.L., Nieto, F.J., & Tyroler, H.A. (2000). Anger proneness predicts coronary heart disease risk: Prospective analysis from the Atherosclerosis Risk in Communities (ARIC) study. *Circulation*, *101*, 2034-2039.
- Witvliet, C.V., Ludwig, T.E., & Vander Laan, K.L. (2001). Granting forgiveness or harboring grudges: Implications for emotion, physiology, and health. *Psychological Science*, *121*, 117-123.
- Wolfe, F., Russell, I.J., Vipraio, G., Ross, K., & Anderson, J. (1997). Serotonin levels, pain thresholds, and fibromyalgia symptoms in the general population. *Journal of Rheumatology*, *24*, 555-559.

- Wright, L.S., Frost, C.J., & Wisecarver, S. (1993). Church attendance, meaningfulness of religion, and depressive symptomatology among adolescents. *Journal of Youth and Adolescence*, 22, 559-568.
- Wyatt, G.E., Newcomb, M., & Notgrass, C.M. (1991). Internal and external mediators of women's rape experiences. In A.W. Burgess (Ed.), *Rape and sexual assault III* (pp. 29-55). New York: Garland Publishing.
- Zuravin, S.J., & Fontanella, C. (1999). The relationship between child sexual abuse and major depression among low-income women: A function of growing up experiences? *Child Maltreatment*, 4, 3-12.