

Chapter 1 Naperville references

Am J Geriatr Psychiatry. 2006 Jul;14(7):621-4. PMID: 16816016 [PubMed - indexed for MEDLINE]

Basile VC, Motta RW, Allison DB. Antecedent exercise as a treatment for disruptive behavior: testing hypothesized mechanisms of action. Behavioral Interventions 1995;10:119–40.

Bonhauser M, Fernandez G, Püschel K, Yañez F, Montero J, Thompson B, Coronado G. Improving physical fitness and emotional well-being in adolescents of low socioeconomic status in Chile: results of a school-based controlled trial. Health Promot Int. 2005 Jun;20(2):113-22

Brown SW, Welsh MC, Labbe EE, Vitulli WF, Kulkarni P. Aerobic exercise in the psychological treatment of adolescents. Percept Mot Skills 1982;74:555–60.

Burdette HL, Whitaker RC. Resurrecting free play in young children: looking beyond fitness and fatness to attention, affiliation, and affect. Arch Pediatr Adolesc Med. 2005 Jan;159(1):46-50.

CDC. (2005). "Children and Teens Told by Doctors That They Were Overweight — United States, 1999-2002." MMWR.

Cameron, H.A. & Gould, E. Adult neurogenesis is regulated by adrenal steroids in the dentate gyrus. Neuroscience 61, 203–209 (1994).

Castelli DM, Hillman CH, Buck SM, Erwin HE. Physical fitness and academic achievement in third- and fifth-grade students. J Sport Exerc Psychol. 2007 Apr;29(2):239-52.

CDC: “Participation in high school PE—United States 1991-2003.” (2005) MMWR Weekly 53(36):844-847.

CDC’s Schools Health Policy and Programs Study (SHPPS) 2000: Physical Education and Fact Sheet.

CDC. [Youth Risk Behavior Surveillance—United States, 2005](#). *Morbidity & Mortality Weekly Report* 2006;55(SS-5):1–108.

Coe DP, Pivarnik JM, Womack CJ, Reeves MJ, Malina RM. Effect of physical education and activity levels on academic achievement in children. Med Sci Sports Exerc. 2006 Aug;38(8):1515-9.

Colcombe SJ, Erickson KI, Scalf PE, Kim JS, Prakash R, McAuley E, Elavsky S, Marquez DX, Hu L, Kramer AF. Aerobic exercise training increases brain volume in aging humans. *J Gerontol A Biol Sci Med Sci*. 2006 Nov;61(11):1166-70.

Cotman, C. W. & Berchtold, N. C. (2002). Exercise: a behavioral intervention to enhance brain health and plasticity. *Trends in Neuroscience*, 25, 295-301.

Covassin T, Weiss L, Powell J, Womack C. Effects of a maximal exercise test on neurocognitive function. *Br J Sports Med*. 2007 Jun;41(6):370-4;

DALEY, A. J., and J. RYAN. Academic performance and participation in physical activity by secondary school adolescents. *Percept. Mot. Skills* 91:531–534, 2000.

Dishman, R.K., Berthoud, H.R., Boot, F.W., Cotman, C.W., Edgerton, V.R., Fleshner, M.R., Gandevia, S.C., Gomez-Pinilla, F., Greenwood, B.N., Hillman, C.H., Kramer, A.F., Levin, B.E., Toran, T.H., Russo-Neustadt, A.A., Salamone, J.D., Van Hoomissen, J.D., Wade, C.E., York, D.A. & Zigmond, M.J. (2006). The neurobiology of exercise. *Obesity Research*, 14(3), 345-356.

Dishman, R., Renner, KJ, et al. (2000). "Treadmill exercise training augments brain NE response to familiar and novel stress." *Brain Research Bulletin* 52(5): 337-342.

Dwyer, T., Coonan, W. E., Leitch, D. R., Hetzel, B. S. and Baghurst, R. A. (1983). "An Investigation of the Effects of Daily Physical Activity on the Health of Primary School Students in South Australia." *Int. J. Epidemiol.* 12(3): 308-313.

DWYER, T., J. F. SALLIS, L. BLIZZARD, R. LAZARUS, and K. DEAN. Relationship of academic performance to physical activity and fitness in children. *Pediatric Exercise Science* 13:225–237, 2001.

Editorial. Training for the brain. *Boston Globe*. October 14, 2004

http://www.boston.com/news/globe/editorial_opinion/editorials/articles/2004/10/14/training_for_the_brain?mode=PF

Education, C. D. o. (2005). California Physical Fitness Test: A Study of the Relationship Between Physical Fitness and Academic Achievement in California Using 2004 Test Results. Sacramento, CA.

Ekeland E, Heian F, Hagen KB, et al. Exercise to improve self esteem in children and young people. *Cochrane Database Syst Rev*, 2004.Issue 1.CD003683.

Ekeland E., HeianF., Hagen K. Can exercise improve self esteem in children and young people? A systematic review of randomised controlled trialsE *Br J Sports Med* 2005;39:792–798.

Etnier, J.L., Nowell, P.M., Landers, D.M. & Sibley, B.A. (2006). A meta-regression to examine the relationship between aerobic fitness and cognitive performance. *Brain Research Reviews*. 52, 119-130.

Fabel, K., Fabel, K. & Palmer, T.D. VEGF is necessary for exercise-induced neurogenesis. *Eur. J. Neurosci*. 18, 2803–2812 (2003)

Field T, Diego M, Sanders CE. Exercise is positively related to adolescents' relationships and academics. *Adolescence* 2001;36:105–10.

Ferris LT, Williams JS, Shen CL. The effect of acute exercise on serum brain-derived neurotrophic factor levels and cognitive function. *Med Sci Sports Exerc*. 2007 Apr;39(4):728-34.

Greenwood BN, Foley TE, Day HE, Campisi J, Hammack SH, Campeau S, Maier SF, Fleshner M. Freewheel running prevents learned helplessness/behavioral depression: role of dorsal raphe serotonergic neurons. *J Neurosci*. 2003 Apr 1;23(7):2889-98.

Gould, E., Cameron, H.A., Daniels, D.C., Woolley, C.S. & McEwen, B.S. Adrenal hormones suppress cell division in the adult rat dentate gyrus. *J. Neurosci*. 12, 3642–3650 (1992).

Harrison PA, Narayan G. Differences in behavior, psychological factors, and environmental factors associated with participation in school sports and other activities in adolescence. *J Sch Health*. 2003 Mar;73(3):113-20.

Helliker K., Studies suggest exercise boosts cognitive function The Wall Street Journal. September 09, 2005

Hillman CH, Castelli DM, Buck SM. Aerobic fitness and neurocognitive function in healthy preadolescent children. *Med Sci Sports Exerc.* 2005 Nov;37(11):1967-74.

Hillman CH, Motl RW, Pontifex MB, Posthuma D, Stubbe JH, Boomsma DI, de Geus EJ. Physical activity and cognitive function in a cross-section of younger and older community-dwelling individuals. *Health Psychol.* 2006 Nov;25(6):678-87.

Kaiser Family Foundation, May 2006. Children Media Study

KEAYS, J. J., and K. R. ALLISON. The effects of regular moderate to vigorous physical activity on student outcomes: a review. *Can.J. Public Health* 86:62–66,

Kelder SH, Perry CL, Klepp KI. Community-wide youth exercise promotion: Long-term outcomes of the Minnesota Heart Health Program and the Class of 1989 Study. *J School Health* 1993;63:218–23.

Kirkcaldy BD, Shephard RJ, Siefen RG. The relationship between physical activity and self-image and problem behavior among adolescents. *Soc Psychiatry Psychiatric Epidemiology* 2002;37:544–50.

McDermott RJ, Hawkins WE, Marty PJ, Littlefield EA, Murray S, Williams TK. Health behavior correlates of depression in a sample of high school students. *J School Health* 1990;60:414–7.

Mechanic D, Hansell S. Adolescent competence, psychological wellbeing, and self-assessed physical health. *J Health Soc Behav* 1987;28: 364–74.

National Center for Health Statistics (NCHS): Health, United States, 2005: Determinants and measures of health—Overweight, Children and Adolescents.

Netz Y, Tomer R, Axelrad S, Argov E, Inbar O. The effect of a single aerobic training session on cognitive flexibility in late middle-aged adults. *Int J Sports Med.* 2007 Jan;28(1):82-7

Norris R, Carroll D, Cochrane R. The effects of physical activity and exercise training on psychological stress and well-being in an adolescent population. *J Psychosom Res* 1992;36:55–65

Page RM, Tucker LA. Psychosocial discomfort and exercise frequency: An epidemiological study of adolescents. *Adolescence* 1994;29:183–91.

Pate RR, Heath GW, Dowda M, Trost SG. Associations between physical activity and other health behaviors in a representative sample of US adolescents. *Am J Public Health* 1996;86:1577–81

Reynolds D, Nicolson RI. Follow-up of an exercise-based treatment for children with reading difficulties. *Dyslexia*. 2007 May;13(2):78-96.

Rosenzweig, M. R. & Bennett, E. L. (1996). Psychobiology of plasticity: effects of training and experience on brain and behavior. *Behavioral Brain Research*, 78, 57-65.

Sanders CE, Field TM, Diego M, Kaplan M. Moderate involvement in sports is related to lower depression levels among adolescents. *Adolescence* 2000;35:793–7

Sallis, J., et al. (1999). "Effects of health related PE on academic achievement: Project SPARK." *Research Quarterly for Exercise and Sport* **70**(2): 127-134

Sallis JF, Prochaska JJ, Taylor WC. A review of correlates of physical activity of children and adolescents. *Med Sci Sports Exerc* 2000;32: 963–75.

Schmitz KH, Lytle LA, Phillips GA, Murray DM, Birnbaum AS, Kubik MY. Psychosocial correlates of physical activity and sedentary leisure habits in young adolescents: The Teens Eating for Energy and Nutrition study. *Prev Med* 2002;34:266–78
Shephard, R. (1997). "Curricular PA and academic performance." *Pediatric Exercise Science* **9**: 113-126

SHEPHARD, R. J. Habitual physical activity and academic performance. *Nutr. Rev.* 54:S32–S36, 1996.

SHEPHARD, R. J., and H. LAVALLEE. Academic skills and required physical education: the Trois Rivieres experience. *CAHPER J. Res. Suppl.* 1:1–12, 1994.

SIBLEY, B., and J. ETNIER. The relationship between physical activity and cognition in children: a meta-analysis. *Pediatric Exercise Science* 15:243–253, 2003

Steptoe A, Butler N. Sports participation and emotional well-being in adolescents. *Lancet* 1996;347:1789–92

Strong WB, Malina RM, Blimkie JR, Daniels SR, Dishman RK, Gutin B, et al. Physical activity recommendations for school-age youth. *J Pediatr* 2005;146:732-7

TREMBLAY, M. S., J. D. BARNES, J. L. COPELAND, and D. W. ESLIGER. Conquering Childhood Inactivity: Is the Answer in the Past? *Med. Sci. Sports Exerc.*, Vol. 37, No. 7, pp. 1187–1194, 2005.

TREMBLAY, M. S., J. W. INMAN, and J. D. WILLMS. The relationship between physical activity, self-esteem, and academic achievement in 12-year-old children. *Pediatric Exercise Science* 12:312–323, 2000

TOMPOROWSKI, P. Cognitive and behavioral responses to acute exercise in youths: a review. *Pediatric Exercise Science* 15:348–359, 2003.

Vaynman S, Gomez-Pinilla F. Revenge of the "sit": how lifestyle impacts neuronal and cognitive health through molecular systems that interface energy metabolism with neuronal plasticity. *J Neurosci Res.* 2006 Sep;84(4):699-715. Review. PMID: 16862541 [PubMed - indexed for MEDLINE]

van Praag, H., Chistie, B.R., Sejnowski, T.J. & Gage, F.H. Running enhances neurogenesis, learning, and long-term potentiation in mice. *Proc Natl. Acad. Sci. USA* 96, 13427–13431 (1999).

van Praag, H., Kempermann, G. & Gage, F.H. Running increases cell proliferation and neurogenesis in the adult mouse dentate gyrus. *Nat. Neurosci.* 2, 266–270 (1999).

Yoshiuchi K, Nakahara R, Kumano H, Kuboki T, Togo F, Watanabe E, Yasunaga A,

Park H, Shephard RJ, Aoyagi Y. Yearlong physical activity and depressive symptoms in older Japanese adults: cross-sectional data from the Nakanojo study

Wells VE, Deykin EY, Klerman GL. Risk factors for depression in adolescence. *Psychiatric Devel* 1985;3:83–108

Winter B, Breitenstein C, Mooren FC, Voelker K, Fobker M, Lechtermann A, Krueger K, Fromme A, Korsukewitz C, Floel A, Knecht S. High impact running improves learning. *Neurobiol Learn Mem.* 2007 May;87(4):597-609