

## **CURRICULUM VITAE**

**Russell R. Pate**

BIRTH DATE: December 7, 1946

BIRTHPLACE: Springfield, MA

MAILING ADDRESS: Department of Exercise Science, University of South Carolina,  
Public Health Research Center, 921 Assembly St., Columbia, SC 29208

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### EDUCATION:

B.S. (Magna Cum Laude) in Physical Education, Springfield College, Springfield, MA, 1968.

M.S. in Exercise Physiology, University of Oregon, Eugene, OR, 1973.

Ph.D. in Exercise Physiology, University of Oregon, Eugene, OR, 1974.

### EMPLOYMENT RECORD:

Research Professor, Department of Exercise Science, Arnold School of Public Health, University of South Carolina, 2015-present

Distinguished Professor Emeritus of Exercise Science, 2015-present

Professor, Department of Exercise Science, Arnold School of Public Health, University of South Carolina, 1989-2014

Vice Provost for Health Sciences, Office of Academic Affairs, University of South Carolina, 2008-2009

Associate Vice President for Health Sciences, Office of Research and Health Sciences, University of South Carolina, 2006-2008

Associate Dean for Research, Arnold School of Public Health and Professor, Department of Exercise Science, University of South Carolina, 2000-2005

Chairman, Department of Exercise Science, Arnold School of Public Health, University of South Carolina, 1989-2000

Professor, Department of Physical Education, University of South Carolina, 1985-1989 (Assistant Professor, 1974-1980; Associate Professor 1980-1985).

Research Scientist, Department of Pediatrics, Medical College of Georgia, 1983-84 (on leave from University of South Carolina).

Assistant Professor and Director, Center for Physical Fitness, Department of Health Education and Physical Education, University of Virginia, 1978-79 (on leave from University of South Carolina).

Assistant Professor, College of Health and Physical Education, University of South Carolina, 1974-1980.

Teaching and Research Assistant in Physical Education, Human Anatomy and Exercise Physiology, University of Oregon, 1972-74.

MILITARY SERVICE: U.S. Army, 1969-71

AREAS OF INTEREST: Physical Activity and Fitness in Youth  
Public Health Implications of Physical Activity  
Physiology of Endurance Performance

COURSES TAUGHT: EXSC 530 - Physiology of Muscular Activity  
EXSC 700 - Exercise and Public Health  
EXSC 755 - Performance Related Exercise Physiology  
EXSC 780 - Physiological Adaptations to Exercise I  
EXSC 781 - Physiological Adaptations to Exercise II  
EXSC 783 – Research Seminar in Exercise Physiology  
EXSC 881 - Cardiorespiratory Exercise Physiology  
EXSC 882 - Physical Activity and Health

PROFESSIONAL ORGANIZATIONS:

American College of Sports Medicine  
American Public Health Association  
American Heart Association  
Academy of Nutrition and Dietetics (Honorary)  
International Society for Behavioral Nutrition and Physical Activity  
SHAPE America  
National Academy of Kinesiology  
South Carolina Academy of Sciences  
Sigma Xi, Scientific Research Society  
Phi Epsilon Kappa

ELECTIVE OFFICES:

Executive Director, National Physical Activity Plan Alliance, 2019-2020  
Chair, Board of Directors, National Physical Activity Plan Alliance, 2013-2019  
President, American College of Sports Medicine Foundation, 1999-2000  
President, National Coalition on Promoting Physical Activity, 2000-2001  
Treasurer, American College of Sports Medicine, 1999-2002  
Vice-President, American College of Sports Medicine Foundation, 1995-98  
President-Elect, President and Past President, American College of Sports Medicine, 1992-95  
Member-at-large, Executive Committee, American Academy of Kinesiology and Physical Education, 1991-93  
Vice-President, American College of Sports Medicine, 1988-90  
Member, Board of Trustees, American College of Sports Medicine, 1982-1985  
Secretary, Research Consortium, AAHPERD, 1983-1986  
President, Southeast Chapter, American College of Sports Medicine, 1982-1983  
President, S.C. Association for Health, Physical Education and Recreation, 1981  
Chairman, Physical Fitness Council, American Alliance for Health, Physical Education and Recreation, 1978-80  
Member, Executive Committee, Southeast Chapter, American College of Sports Medicine, 1975-76 and 1979-80  
Member-at-large, Executive Board, S.C. Association for Health, Physical Education and Recreation, 1977-78  
Chairman, Research Section, S.C. Association for Health, Physical Education and Recreation, 1977-78  
Chairman, Interdepartmental Student Council, College of Health, Physical Education and Recreation, University of Oregon, 1973-74  
President, Physical Education Majors Association, University of Oregon, 1972-73  
Secretary, Omicron Chapter, Phi Epsilon Kappa, 1972-73  
President, Beta Theta Chapter, Phi Epsilon Kappa, 1967-68

## HONORS:

### **Professional:**

South Carolina Association for Health Education Research Award, 2023  
Lifetime Achievement Award, President's Council on Fitness, Sports and Nutrition, 2015  
South Carolina Governor's Excellence in Scientific Research Award, 2014  
South Carolina Governor's Excellence in Scientific Awareness Award, 2014  
Honor Award, American College of Sports Medicine, 2012  
Distinguished Alumnus Award, Lockport (NY) High School, 2010  
Faculty Service Award, University of South Carolina, 2010  
Honorary Member Award, American Dietetics Association, 2008  
Distinguished Alumnus Award, Springfield College, 2008  
Honor Award, Science Board, President's Council on Physical Fitness and Sports, 2007  
Excellence in Education Award, Gatorade Sports Science Institute, 2004  
Alliance Scholar Award, American Alliance for Health, Physical Education, Recreation and Dance, 1999-2000  
Citation Award, American College of Sports Medicine, 1996  
Service Award, Southeast Chapter, American College of Sports Medicine, 1996  
Russell Award for Faculty Research in the Health Sciences, University of South Carolina, 1996  
T.K. Cureton Award, National Fitness Leaders Association, 1995  
Faculty Research Award, School of Public Health, University of South Carolina, 1995.  
Scholar Award, Southern District, American Alliance for Health, Physical Education, Recreation and Dance, 1991  
Scholar Award, Southeast Chapter, American College of Sports Medicine, 1990.  
Citation Award, Physical Fitness Council, American Alliance for Health, Physical Education, Recreation and Dance, 1989  
Selected Member, American Academy of Kinesiology and Physical Education, 1986  
Scholar Award, South Carolina Association for Health, Physical Education and Dance, 1983  
Recognition Award, South Carolina Governor's Council on Physical Fitness, 1985  
Mabel Lee Award, American Alliance for Health, Physical Education and Recreation, 1981  
Listed Outstanding Young Men in America, 1978  
NDEA Graduate Fellowship in Physical Education, University of Oregon, 1968-69 and 1971-73  
NCAA Scholar-Athlete Postgraduate Scholarship Winner for Cross Country, 1968-69  
Outstanding Scholar-Athlete Award, Springfield College, 1968  
Outstanding Physical Education Major, Springfield College, 1968  
AAHPER Scholarship, 1967-68  
Outstanding Scholar-Athlete, Lockport (NY) Senior High School, 1964

### **Athletic:**

Hall of Fame, South Carolina Affiliate, Road Runners Club of America, 1989\  
All-Service Cross Country Team, CISM Cross Country Meet, Italy, 1971  
U.S. Army Track Team, 1971  
Winner of Trail's End Marathon, Seaside, Oregon, (1972) and Skylon International Marathon, Buffalo, New York (1974)  
Best Marathon Time: 2:15:20, Boston AA Marathon, 7th Place, 1975

## PROFESSIONAL SERVICE ACTIVITIES (SELECTED):

### National Physical Activity Plan

Member, Steering Committee, NPAP Section, Physical Activity Alliance, 2022-present  
Executive Director, NPAP Section, Physical Activity Alliance, 2020-2022  
Chair, Board of Directors, National Physical Activity Plan Alliance, 2012-2019  
Chair, Coordinating Committee, National Physical Activity Plan, 2007-2012

### American College of Sports Medicine

Member, Exercise is Medicine Pediatrics Committee, 2013-present  
Chair, Activity and Health Advocacy Network, 2008-2011  
Chair, Budget and Finance Committee, 1999-2002  
Chair, Olympic Sports Medicine Committee, 1998-2000  
Chair, Health and Science Policy Committee, 1994-97  
Member, Executive Committee and Administrative Council, 1992-95  
Member, Program Committee, 1988-1990, 1991-95  
Member, Continuing Education Committee, 1991-92  
Member, Strategic Planning Committee, 1987-89  
Associate Editor, Exercise and Sport Sciences Reviews, 1987-2018  
Chair, Regional Chapters Committee, 1982-88  
Member, Preventive and Rehabilitation Exercise Committee, 1983-90  
Member, Position Stands Committee, 1979-82  
Member, Evaluation Team, Program Director Certification, 1980, 81, 82

### Other Organizations:

Chair, National Academy of Medicine, Panel on Implementation of Physical Activity Surveillance in the U.S., 2018-2022  
Member, Physical Activity Guidelines Advisory Committee, U.S. Dept. of Health and Human Services, 2016-2018  
Member, Institute of Medicine, Roundtable on Obesity Solutions, 2013-present  
Member, Curves, Inc., Scientific Advisory Board, 2013-2015  
Member, Physical Activity Guidelines Mid-Course Report Panel, U.S. Dept. of Health and Human Services, 2012-2013  
Chair, Institute of Medicine, Panel on Fitness Measures in Youth, 2011-2012  
Member, Institute of Medicine, Panel on Prevention of Obesity in Early Childhood, 2010- 2011  
Member, Institute of Medicine, Standing Committee on Prevention of Childhood Obesity, 2005-2013  
Member, Physical Activity Guidelines Advisory Committee, U.S. Dept. of Health and Human Services, 2007-2008  
Member, Behavior Change Expert Panel, National Bone Health Campaign, 2006-2007  
Member, Institute of Medicine Panel on Progress in Preventing Childhood Obesity, 2004-2005  
Member, Panel on Military Recruitment: Physical Fitness and Health Standards, National Academies of Science, 2004-2006  
Member, Science Advisory Board, President's Council on Physical Fitness and Sports, 2003-2006  
Member, Worldwide Health Advisory Panel, Kraft Foods, 2003-2012  
Member, Dietary Guidelines Advisory Committee, U. S. Dept. of Health and Human Services, 2003-2004  
Member, Institute of Medicine, Panel on Prevention of Obesity in Children, 2003-2004  
Chairman, P.A.Y. (Physical Activity in Youth), National Coalition for Promoting Physical Activity, 2000-2003.  
Member, Scientific Advisory Board, International Life Sciences Institute, 2004-present  
Member, Advisory Board, Fitnessgram - Cooper Institute for Aerobics Research, 1990-present

Member, Scientific Advisory Board, Life Fitness Academy, 1994-2005  
Editorial Board, Pediatric Exercise Science, 1988-present  
Member, Scientific Advisory Board, International Health, Racquet and Sports Clubs Association, 1996-1999

Chair, Research Consortium Grants Committee, AAHPERD 1997-2000  
Section Editor, Research Quarterly for Exercise and Sport, AAHPERD 1985-1991  
Editorial Board, International Journal of Sports Medicine, 1985 -1994  
Editorial Board, International Journal of Sports Nutrition, 1990-1996  
Member, South Carolina Governor's Council on Physical Fitness, 1989-2000  
Member, Scientific Advisory Board, Rockport Walking Institute, 1986-1992  
Member, Advisory Board, Campbell's Health and Fitness Institute, 1985-1988  
Member, Sports Medicine Review Board, Quaker Oats Company, 1985-1988  
Chair, Exercise Task Force, S.C. Affiliate, American Heart Association, 1983-86  
Chair, Exercise Committee, Carolina Healthstyle Program for S.C. State Employees, 1982-83  
Member, Physical Education Committee, Southeast Regional YMCA, 1982-84  
Consultant, Boys Clubs of America, 1981-84  
Chair, Committee on Implementation and Evaluation of the Health Related Fitness Test, 1980-84

#### GRANTS:

Principal Investigator for the following funded research grants and contracts:

Understanding Community Obesity Initiatives and Informing Tailored Community Interventions to Reduce Childhood Obesity. National Institute of Child Health & Human Development (NIH). \$473,859 (2021-2024).

Physical Activity, Sedentary Behavior and Weight Status in Early Childhood. National Institute of Child Health & Human Development (NIH). \$3,188,662 (2017-2022).

Evaluation of a New Policy Promoting Nutrition and Physical Activity in Family Child Care in South Carolina. National Institutes of Health (Johns Hopkins University), \$1,819,334 for USC Subcontract (2017-2021).

Analysis of Statewide FitnessGram Data. BlueCross and BlueShield of South Carolina Foundation. \$155,895 (2015-2017), \$60,342 (2018), \$90,000 (2019), \$110,000 (2020), \$385,000 (2021-2023).

Physical Activity During the Transition from Elementary School to High School. National Heart Lung and Blood Institute (NIH). \$2,839,436 (2014-2018)

Physical activity and health: training for public health professionals. U.S. Centers for Disease Control. \$90,000 (1994-95), \$120,000 (1995-96), \$150,000 (1996-97), \$170,000 (1997-98), \$185,000 (1998-99), \$205,000 (1999-00), \$185,000 (2000-01), \$185,000 (2001-02), \$185,000 (2002-03), \$195,000 (2003-04), \$161,182 (2004-05), \$170,186 (2005-06), \$205,000 (2006-07), \$205,000 (2007-08), \$205,000 (2008-2009), \$205,000 (2009-2010), \$201,536 (2010-2011), \$234,873 (2011-2012), \$200,000 (2012-2013), \$400,000 (2015-2018).

Developing a 2016 U.S. Report Card on Walking and Walkable Communities. McKinney Consulting Corporation. \$55,000 (2015-2016).

Platform for Collaborative Bio Signal Data Management and Analysis. National Institutes of Health SBIR to Enformia, Inc. \$75,000 for USC sub-contract (2013-2015)

Physical Activity and Nutrition Standards for Home Childcare. DHEC. \$63,989 (01/01/2014-06/01/2014)

Development of Materials and Training for the Active Healthy Living Program. FTZ Coca-Cola Services Company. \$68,000 (2013-2014)

A Training Program to Prevent Childhood Obesity in Preschool-Aged Children. TheDuke Endowment, \$556,030 (2013- 2016).

The Teddy Study. National Institutes of Health (University of South Florida) \$66,142 for USC Subcontract (2014-2015), \$55,529 (2015-2016), \$115,729 (2016-2017), \$61,571 (2018)

The National Children's Study. National Institutes of Health (NIH/NICHD/NORC) (University of Chicago-NORC). \$154,000 for USC Sub-contract (2013-2015).

A School-Based Program to Promote Physical Activity and Good Nutrition to PreventChildhood Obesity. Coca-Cola Foundation, \$200,000.

Development of an Innovative Physical Activity Self-Report Instrument for Youth. National Institutes of Health (NIH/NCI) 275,000 (2012-2014).

Evaluation of Childcare Healthy Eating Standards in South Carolina. The RobertJohnson Foundation (Duke) \$65,976 for USC Subcontract (2011-2013).

Evaluation of the National Physical Activity Plan. U.S. Centers for Disease Control, \$60,000 (2011-2012).

Development of a National Strategic Plan for Physical Activity. U.S. Centers for DiseaseControl, \$90,401 (2007-2009), \$142,198, (2010-2011), \$134,800 (2011-2013).

The Healthy Communities Study, How Communities Shapes Children's Health. NationalHeart, Lung, and Blood Institute (Battelle Memorial Institute) \$1,402,863 for USCSubcontract (2010-2015).

Physical activity during the transition from elementary school to middle school. NationalHeart, Lung, and Blood Institute (NIH), \$3,318,000, (2009-2014).

Multi-component intervention to increase physical activity in preschool children. National Institute for Child Health and Human Development (NIH), \$1, 986,516, (2008-2012), ARRA Supplement, \$399,466 (2010-2011).

Integrated recall of diet and physical activity in children. National Heart, Lung, andBlood Institute (NIH), \$396,000, (2009-2011).

National physical activity and nutrition survey of high school students, Macro International, Inc./U.S. Centers for Disease Control, \$256,905, (2007-2009).

Physical activity in preschool children, National Institute of Health, \$1,551,604(2002–2008).

Promotion of physical activity in high school girls (Competitive Renewal). NationalHeart, Lung, and Blood Institute, \$1,865,025 (2002-2006).

Evaluation of the Active for Life project. Robert Wood Johnson Foundation. \$747,000(2000-2003).

Trial of Activity in Adolescent Girls. National Heart, Lung, and Blood Institute, USCField Center.

\$4,075,000 (2000-2008).

Environmental determinants of physical activity in pre-school children. Gerber/Novartis Corporation. \$136,000 (1999-2001).

Promotion of physical activity in high school girls. National Heart, Lung and Blood Institute. \$2,300,000 (1997-2001).

Physical activity, body composition, and the determinants of physical activity in Youth, Hershey Foods Corporation. \$20,000 (1997-2000).

Objective assessment of physical activity in youth. Cowles Foundation. \$36,556 (1996-98).

Physical activity promotion in adolescent youth. National Institutes of Health. \$750,000 (1993-96).

Guidelines for promotion of physical activity in youth. U.S. Centers for Disease Control. \$200,000 (1993-95).

A school-based intervention for promotion of physical activity in youth. American Heart Association. \$37,000 (1991-93).

Determinants of physical activity in a low SES group. U.S. Public Health Service, Centers for Disease Control. \$30,910 (1990); \$31,500 (1991).

Physiological evaluation of exercise videos produced by The Firm. The Firm, Inc. \$9,588 (1991).

Effects of increased and decreased training on potential markers of overtraining in elite distance runners. U.S. Olympic Committee. \$25,000 (1990).

Enhancement of Physical Fitness Education. U.S. Department of State, Overseas Schools Advisory Council. \$25,000. (To Mediterranean Assoc. of International Schools with sub-contract to U.S.C.), (with W. Smith).

South Carolina Statewide Exercise Intervention. Kaiser Family Foundation. \$9,700 (with J.D. Gimarc).

Validity of field tests of upper body muscular strength and endurance. Campbell's Institute for health and Fitness, \$10,750 (1987).

Liberty Corporation employee health study. Liberty Foundation, \$20,000 (1987).

Physiological and perceptual responses to exercise on a recumbent bicycle ergometer. Campbell's Institute for Health and Fitness, \$13,000.

A comprehensive health profile of habitual distance runners. U.S. Public Health Service, Centers for Disease Control, \$76,000 (1984) (with C. Macera); extended, \$85,000 (1985).

Iron status of physically active females. American Heart Association, S.C. Affiliate, \$12,000 (with J.M. Davis)

A description of elite female distance runners. Coca-Cola, Inc., \$25,000 (to GATECH with sub-contract to U.S.C.), funded (with P. Sparling).

Effect of exercise training on borderline hypertension. USC Office of Research.  
N.I.H. Biomedical Research Grants, \$6,500 (1981).

A health promotion program for the elderly. Manning Foundation, \$10,000 (1979).

## **PUBLICATIONS**

### **BOOKS:**

**Pate, R.R.** and R. Saunders. Promoting Elementary School Physical Activity. Human Kinetics, Champaign, IL., 2023.

Greene, L.S. and **R.R. Pate**. Training for Young Distance Runners, 3<sup>rd</sup> Edition. HumanKinetics, Champaign, IL, 2015.

**Pate, R.R.**, Buchner, D. Implementing Physical Activity Strategies. Human Kinetics, Champaign, IL., 2014.

Ward, D.S, Saunders, R., **Pate, R.R.** Physical Activity Interventions for Youth. HumanKinetics, Champaign, IL, 2006.

Greene, L.S. and **R.R. Pate**. Training for Young Distance Runners, 2<sup>nd</sup> Edition. HumanKinetics, Champaign, IL, 2004.

Greene, L.S. and **R.R. Pate**. Training for Young Distance Runners. Human Kinetics, Champaign, IL, 1997.

**Pate, R.R.** and R.C. Hohn., editors. Health and Fitness Through Physical Education. Human Kinetics, Champaign, IL, 1994.

**Pate, R.R.**, B.A. McClenaghan and R. Rotella, editors. Scientific Foundations of Coaching. Saunders College Publishing, Philadelphia, PA, 1984.

**Pate, R.R.** editor. South Carolina Physical Fitness Test Manual, Second Edition Columbia, S.C.: S.C. Association of Health, Physical Education, Recreation and Dance, 1983.

**Pate, R.R.**, ed. South Carolina Physical Fitness Test Manual. Columbia, South Carolina: South Carolina Department of Health and Environmental Control, 1978.

### **CHAPTERS IN BOOKS:**

Howie, E.K., Pate, R.R. Physical Activity and Educational Achievement: Insight from Exercise Neuroscience. Meeusen, R., Schaefer, S., Tomporowski, P. & Bailey R. editors. Routledge, 2018.

**Pate, R.R.**, Flynn, J.I. Physical Activity and Prevention of Obesity. Eating Disorders and Obesity, 3<sup>rd</sup> Edition. Brownell K.D., Walsh B.T. editors. The Guilford Press, 2017.

Brown, W. H., Schenkelberg, M., McIver, M., O'Neill, J., Howie, E., Pfeiffer, K., Saunders, R., Dowda, M., Addy, C., & **Pate, R.** (2016). Physical activity and preschool children with and

without developmental delays: A national health challenge. Handbook on Early Childhood Special Education (pp. 487-500). In B.Reichow, E. Barton, B. Boyd, & S. Odom (Eds.). Baltimore: Paul H. Brookes.

**Pate, R.R.** Historical perspectives on physical activity, fitness, and health. Physical Activity and Health, 2<sup>nd</sup> Edition. Bouchard, C., Blair, S.N., Haskell, W.L. editors. Human Kinetics, 2012.

Elder, J.P., Lytle, L., Young, D., Webber, L., **Pate, R.R.**, Stevens, J., Pratt, C., and Lohman, T. The trial of activity in adolescent girls (TAAG): From theory to implementation in middle school physical activity promotion. Current Issues and Controversies in School and Community Health, Sport and Physical Education. O'Dea, J, editor. Nova Sciences Publishers, 2012.

Pfeiffer, K.A., Lobelo, F., Ward, D.S. and **Pate, R.R.** Endurance Trainability of Children and Youth. The Young Athlete. Helge Herbestreit and Oded Bar-Or, editors. Blackwell Publishing, 84-95, 2007.

**Pate, R.R.** Historical Perspectives on Physical Activity, Fitness and Health. Physical Activity and Health. Bouchard, C., Blair, S.N., Haskell, W.L. editors. Human Kinetics, 2006.

**Pate, R.R.** and Ward, D. S. Physical Activity in American Youth: Status, Determinants, and Promotion. The Development of Social Sciences in the 21<sup>st</sup> Century. Frank H. Fu, editor, Hong Kong Baptist University, 80-90, 2001.

Saunders, R. and **R.R. Pate**. Promoting Physical Health. Preventing School Problems Promoting School Success: Strategies and Programs that Work. K.M. Minke and G.C. Bear, editors, University of Delaware. National Association of School Psychologists, 337-375, 2000.

Trost, S.G., S. Levin and **R.R. Pate**. Sport, Physical Activity, and Other Health Behaviors in Children and Adolescents. Paediatric Exercise Science and Medicine. N. Armstrong and W. Van Mechelen, editors, Oxford Press, 2000.

Trost, S.G. and **R.R. Pate**. Physical Activity in Children and Youth. Lifestyle Medicine. J.M. Rippe, editor, Blackwell Science, Malden, MA, 1999.

**Pate, R.R.** and Ward, D.S. Endurance Trainability of Children and Youths. The Child and Adolescent Athlete. Oxford, London: Blackwell Science Ltd., 130-137, 1996.

Durstine, J.L., **R.R. Pate** and J.D. Branch. Cardiorespiratory responses to acute exercise. ACSM's Resource Manual for Guidelines for Exercise Testing and Prescription. Manual for Guidelines for Exercise Testing and Prescription. (Editors) J.L. Durstine et al. Second Edition: Philadelphia, Lea & Febiger. 67-74, 1993.

Wells, C. and **R.R. Pate**. Training for performance of prolonged endurance exercise. In: D. Lamb and R. Murray, ed. Perspectives in Exercise Science and Sports Medicine, Volume I: Prolonged Exercise. Indianapolis: Benchmark Press, Inc., 1988.

Simons-Morton, B., G.S. Parcel, N.M. O'Hara, S.N. Blair and **R.R. Pate**. Childhood health-related physical fitness: status and recommendations. Annual Reviews of Public Health, 9, 403-425, 1988.

**Pate, R.R.** and M. Lonnott. Terminology in exercise physiology. In: S. Blair, ed. Resource Manual for Guidelines for Testing and Prescription. Philadelphia: Lea & Febiger, 1988.

- Durstine, J.L. and **R.R. Pate**. Cardiorespiratory responses to acute exercise. In: S. Blair, ed. Resource Manual for Guidelines for Exercise Testing and Prescription. Philadelphia: Lea & Febiger, 1988.
- Pate, R.R.** and E.L. Fox. Training of youth for sport. In: Practice of Pediatrics. Philadelphia: Harper & Row, 1987.
- Pate, R.R.** and J.L. Durstine. Cardiorespiratory adaptations to chronic endurance exercise. In V. Seefeldt (Ed.) Contributions of Physical Activity to Human Well-Being. Reston, VA: AAHPERD Publications, 1986.
- Pate, R.R.**, editor. South Carolina Physical Fitness Test Manual, Second Edition. Columbia, S.C.: S.C. Association for Health, Physical Education, Recreation and Dance, 1983.
- Pate, R.R.** Principles of Training. In: D. Kulund. The Injured Athlete. Philadelphia: J.V. Lippincott Co., 1982.
- Pate, R.R.** Sports anemia and its impact on athletic performance. In: W. Haskell, ed. Nutrition and Athletic Performance. Palo Alto, CA: Bull Publishing, 1982.
- Pate, R.R.** Organizational Guidelines in Fitness Programming. In: R. Sargent, ed. Organizational Guidelines for Promoting Programs in Stress Management, Nutrition and Weight Control, and Physical Fitness. Columbia, S.C.: S.C. Department of Health and Environmental Control, 1982.
- Pate, R.R.** Health Fitness. In: Physical Education for High School Students. AAHPERD Publications: Washington, D.C., 1982.
- Blair, S.N., **R.R. Pate** and B. McClenaghan. Current Approaches to Physical Fitness Education. In: T. Kratchowill, ed. Annual Reviews of School Psychology. Vol. 2, Hillsdale, N.J.: Erlbaum, 1982.
- Pate, R.R.** Standards for exercise testing and training programs. In: C. Frankel, ed. Lawyers Medical Cyclopedia. Indianapolis: Allen Smith Co., 1981.
- Pate, R.R.** Teaching physical fitness concepts in the public schools. In: Cundiff, ed. Implementation of Aerobic Programs. AAHPERD Press: Washington, D.C., 1979.
- Pate, R.R.** and S.N. Blair. Exercise and the prevention of atherosclerosis: pediatric implications. In: W. Strong, ed., Atherosclerosis: Its Pediatric Aspects. Grune and Stratton, New York, 1978.

#### REFEREED ARTICLES:

470. White JW 3rd, Finnegan OL, Tindall N, Nelakuditi S, Brown DE 3rd, **Pate RR**, Welk GJ, de Zambotti M, Ghosal R, Wang Y, Burkart S, Adams EL, Chandrashekhar M, Armstrong B, Beets MW, Weaver RG. Comparison of raw accelerometry data from ActiGraph, Apple Watch, Garmin, and Fitbit using a mechanical shaker table. *PLoS One*. 2024 Mar 29; 19(3):e0286898.

469. Ortega FB, Zhang K, Cadenas-Sanchez C, Tremblay MS, Jurak G, Tomkinson GR, Ruiz JR, Keller K, Nyström CD, Sachedk JM, **Pate RR**, Weston KL, Kidokoro T, Poon ET, Wachira LM, Ssenyonga R, Gomes TNQF, Cristi-Montero C, Fraser BJ, Niessner C, Onywera VO, Liu Y, Liang LL, Prince SA, Lubans DR, Lang JJ; Delphi Fitness Expert Group. The Youth Fitness International Test (YFIT) battery for monitoring and surveillance among children and adolescents: A modified Delphi consensus project with 169 experts from 50 countries and territories. *J Sport Health Sci*. 2024 Nov 20; 14:101012.
468. Wimberly J, Nguyen A, Memoli E, Kasman M, Heerman B, **Pate RR**, Sommer E, Sedlak A, Reader L, Hammond RA, Barkin S. Identifying data gaps in early childhood physical activity evidence. *Front Pediatr*. 2024 Nov 21;12:1485500. doi: 10.3389/fped.2024.1485500. PMID: 39639953; PMCID: PMC11617195. Pate RR, Zaltz DA, Neelon B, Liu T, Bucko A, Benjamin-Neelon SE. Policies, Practices, and Environmental Characteristics Among Family Child Care Homes in South Carolina. *Child Obes*. 2024 Sep; 20(6):442-447.
467. Olejua P, McLain AC, Inak N, Dowda M, **Pate RR**. Clustering Patterns of 24-Hour Physical Activity in Children 6-36 Months Old. *Pediatr Exerc Sci*. 2024 Feb 1; 37(1):29-36.
466. Armstrong B, Weaver RG, McAninch J, Smith MT, Parker H, Lane AD, Wang Y, **Pate RR**, Rahman M, Matolak DW, Chandrashekhar MVS. Development and Calibration of a PATCH Device for Monitoring Children's Heart Rate and Acceleration. *Med Sci Sports Exerc*. 2024 Jun 1; 56(6):1196-1207.
465. Shull ER, Mclver K, McLain AC, Monsma E, **Pate RR**. Factors Associated with Children's Physical Activity During Youth Soccer Practices. *Res Q Exerc Sport*. 2024 Jun; 95(2):398-404.
464. Bucko AG, Armstrong B, Mclver KL, McLain AC, **Pate RR**. Longitudinal Associations Between Physical Activity and Sleep Duration in Infants and Toddlers. *Pediatr Exerc Sci*. 2024 Sep; 10:1-7.
463. Bucko AG, Mclver KL, Zaltz DA, Liu T, Neelon B, Benjamin-Neelon SE, **Pate RR**. ABC Grow Healthy Practices and Obesity-Related Health Behaviours in Family Child Care Homes in South Carolina. *Child Care Health Dev*. 2025 Jan; 51(1):e70004.
462. Saunders RP, Dowda M, Dishman RK, **Pate RR**. A Comprehensive Planning Framework for Designing Effective Physical Activity Interventions in Youth. *J Phys Act Health*. 2024 Jul 27; 21(9):890-905.
461. Weaver RG, Chandrashekhar MVS, Armstrong B, White Iii JW, Finnegan O, Cepni AB, Burkart S, Beets M, Adams EL, de Zambotti M, Welk GJ, Nelakuditi S, Brown Iii D, **Pate RR**, Wang Y, Ghosal R, Zhong Z, Yang H. Jerks are useful: extracting pulse rate from wrist-placed accelerometry jerk during sleep in children. *Sleep*. 2025 Feb 10; 48(2):zsae099.
460. Mclver KL, Zaltz DA, Neelon B, Bucko A, Benjamin-Neelon SE, **Pate RR**. Children's physical activity in family child care homes: Influence of quality status, environment and policy features, and child characteristics. *Child Care Health Dev*. 2024 Jul; 50(4):e13274.

459. **Pate RR**, Dowda M, Dishman RK, Saunders RP, Cordan KL, Shull ER, Bucko AG, Colabianchi N. Determinants of Change in Physical Activity in Children during the Transition from Elementary to High School. *Med Sci Sports Exerc.* 2024 Jul 1; 56(7):1275-1284.
458. Kenney E, Frongillo EA, McIver KL, Dowda M, **Pate RR**. Child and mother characteristics associated with 6-month weight gain for infants and toddlers during 6 to 36 months. *Pediatr Obes.* 2024 Sep; 19(9):e13148.
457. Beets MW, Burkart S, Pfluederer C, Adams E, Weaver RG, Armstrong B, Brazendale K, Zhu X, McLain A, Turner-McGrievy B, **Pate RR**, Kaczynski A, Fairchild A, Saelens B, Parker H. Differences in elementary-age children's accelerometer - measured physical activity between school and summer: three-year findings from the What's UP (Undermining Prevention) with summer observational cohort study. *Int J Behav Nutr Phys Act.* 2024 Aug 6; 21(1):86. d
456. Cepni AB, Burkart S, Zhu X, White J, Finnegan O, Nelakuditi S, Beets M, Brown Iii D, **Pate RR**, Welk G, de Zambotti M, Ghosal R, Wang Y, Armstrong B, Adams E, van Hees V, Weaver RG. Evaluating the performance of open-source and proprietary processing of actigraphy sleep estimation in children with suspected sleep disorders: A comparison with polysomnography. *Sleep.* 2024 Nov 19:zsae267.
455. Lang IM, Fischer AL, Antonakos CL, Miller SS, Hasson RE, **Pate RR**, Collie-Akers VL, Colabianchi N. Neighborhood environments underpin screen time intervention success in children: Evidence from a study of greenspace and community programming across 130 US communities. *Health Place.* 2024 Sep; 89:103341.
454. Dowda M, Frongillo EA, Saunders RP, McLain AC, Cordan K, **Pate RR**. Early life, environmental, and demographic factors associated with change in toddlers' objectively measured sedentary behaviour between 18 and 36 months of age. *J Sports Sci.* 2024 Dec; 42(24):2361-2367.
453. Bucko AG, Dowda M, Inak N, Wilson DK, **Pate RR**. The Association Between Meeting Physical Activity Guidelines and Mental Health Among High-School Students in the United States During the COVID-19 Pandemic. *J Adolesc Health.* 2024 Sep; 75(3):399-403.
452. Kiely KP, Beets MW, Adams EL, **Pate RR**, Brian C, Bridget A, Sarah B, Cepni AB, Holmes AJ, White JW, Olivia F, Meghan S, Hannah P, Randolph GAT, Xuanxuan Z, Weaver RG. Protocol for a randomized controlled dose response trial to combat accelerated summer BMI gain in children: The Determining the Optimal amount of Structured Environments (DOSE) study. *Contemp Clin Trials.* 2025 Apr; 151:107840.
451. Saunders RP, Dowda M, Murrie D, Moyer C, **Pate RR**. Statewide Dissemination, Adoption, and Implementation of the SHAPES Intervention Via Online Professional Development to Promote Children's Physical Activity in Early Care and Education Programs. *Child Obes.* 2024 Nov 27
450. Dowda M, Saunders RP, Dishman RK, **Pate RR**. Association of physical activity, sedentary behavior, diet quality with adiposity: A longitudinal analysis in children categorized by baseline weight status. *Int J Obes (Lond).* 2024 Feb; 48(2):240-246.

449. Weaver RG, White J, Finnegan O, Nelakuditi S, Zhu X, Burkart S, Beets M, Brown T, **Pate RR**, Welk GJ, DE Zambotti M, Ghosal R, Wang Y, Armstrong B, Adams EL, Reesor-Oyer L, Pfladderer CD, Bastyr M, VON Klinggraeff L, Parker H. A Device Agnostic Approach to Predict Children's Activity from Consumer Wearable Accelerometer Data: A Proof-of-Concept Study. *Med Sci Sports Exerc.* 2024 Feb 1; 56(2):370-379
448. Boudreaux BD, Kennedy AB, **Pate RR**. Remembering Steven N Blair for making physical activity count every step of the way. *Br J Sports Med.* 2024 Jan 25;bjssports-2024-108086.
447. **Pate RR**, Zaltz DA, Neelon B, Liu T, Bucko A, Benjamin-Neelon SE. Policies, Practices, and Environmental Characteristics Among Family Child Care Homes in South Carolina. *Child Obes.* 2024 Jan 10.
446. Reid LA, Geraci M, Mendoza JA, Merchant AT, Reboussin BA, **Pate RR**, Dolan LM, Sauder KA, Lustigova E, Kim G, Liese AD. Household Food Insecurity Is Associated With Physical Activity in Youth and Young Adults With Diabetes: A Cross- Sectional Study. *J Phys Act Health.* 2023 Oct 31; 21(1):77-84
445. Liu X, Johnson SB, Lynch KF, Cordan K, **Pate RR**, Butterworth MD, Lernmark A, Hagopian WA, Rewers MJ, McIndoe RA, Toppari J, Ziegler AG, Akolkar B, Krischer JP, Yang J, and the TEDDY Study Group. Physical Activity and the Development of Islet Autoimmunity and Type 1 Diabetes in 5-15-Year-Old Children Followed in the TEDDY Study. *Diabetes Care* 2023;46(7):1-8.
444. Clennin MN, Shull ER, Dowda M, **Pate RR**. Longitudinal Associations of Cardiorespiratory Fitness and Poverty with Academic Performance Among Youth. *J Sch Health.* 2023 Feb; 93(2):115-122.
443. **Pate RR**, Dishman RK, Dowda M, Mclver KL, Pfeiffer KA, Porter DE, Saunders RP, Ward DS. A Summary of One Research Team's Contributions to Understanding Physical Activity Behavior in Children and Youth. *Int J Environ Res Public Health.* 2022 Oct 29; 19(21):14136.
442. Brown A, Wilson DK, Sweeney AM, van Horn ML, Zarrett N, **Pate RR**. Buffering effects of protective factors on light and moderate-to-vigorous physical activity among african american women. *J Behav Med.* 2023 Jun; 46(3):405-416.
441. Clennin MN, Shull ER, Dowda M, **Pate RR**. Longitudinal Associations of Cardiorespiratory Fitness and Poverty With Academic Performance Among Youth. *J Sch Health.* 2023 Feb; 93(2):115-122. 8.
440. Johnson SB, Tamura R, Mclver KL, **Pate RR**, Driscoll KA, Melin J, Larsson HE, Haller MJ, Yang J; TEDDY Study Group. The association of physical activity to oral glucose tolerance test outcomes in multiple autoantibody positive children: The TEDDY Study. *Pediatr Diabetes.* 2022 Nov; 23(7):1017-1026.
439. Zhu X, Liu J, Sevoyan M, **Pate RR**. Acculturation and leisure-time physical activity among Asian American adults in the United States. *Ethn Health.* 2022 Nov; 27(8):1900-1914.
438. **Pate RR**, Dowda M, Dishman RK, Gorab J, Bucko A, Saunders RP. Longitudinal association of biological maturation with physical activity behaviors in girls transitioning from 5th to 7th grade. *Am J Hum Biol.* 2022 Jul; 34(7):e23737.

437. **Pate RR**, Saunders RP, Taverno Ross SE, Dowda M. Patterns of age-related change in physical activity during the transition from elementary to high school. *Prev Med Rep.* 2022 Jan 27; 26:101712.
436. Shull ER, Dowda M, Mclver KL, McLain AC, Benjamin-Neelon SE, Ulrich B, **Pate RR**. Behavioral, Environmental, and Demographic Factors Associated with Objectively Measured Physical Activity in Infants. *Child Obes.* 2022 Oct; 18(7):466-475.
435. Lane-Cordova AD, Jerome GJ, Paluch AE, Bustamante EE, LaMonte MJ, **Pate RR**, Weaver RG, Webber-Ritchey KJ, Gibbs BB; Committee on Physical Activity of the American Heart Association Council on Lifestyle and Cardiometabolic Health. Supporting Physical Activity in Patients and Populations During Life Events and Transitions: A Scientific Statement From the American Heart Association. *Circulation.* 2022 Jan 25; 145(4):e117-e128.
434. Clark JE, **Pate RR**, Rine RM, Christy J, Dalton P, Damiano DL, Daniels S, Holmes JM, Katzmarzyk PT, Magasi S, McCreery R, Mclver K, Newell KM, Sanger T, Sugden D, Taveras E, Hirschfeld S. NCS Assessments of the Motor, Sensory, and Physical Health Domains. *Front Pediatr.* 2021 Nov 26; 9:622542.
433. Kelley GA, Kelley KS, **Pate RR**. Exercise and Cardiovascular Disease Risk Factors in Children and Adolescents With Obesity: A Systematic Review With Meta-Analysis of Randomized Controlled Trials. *Am J Lifestyle Med.* 2021 Feb 19; 16(4):485-510.
432. Gammon C, Atkin AJ, Corder K, Ekelund U, Hansen BH, Sherar LB, Andersen LB, Anderssen S, Davey R, Hallal PC, Jago R, Kriemler S, Kristensen PL, Kwon S, Northstone K, **Pate RR**, Salmon JO, Sardinha LB, VAN Sluijs EMF; International Children's Accelerometry Database (ICAD) Collaborators. Influence of Guideline Operationalization on Youth Activity Prevalence in the International Children's Accelerometry Database. *Med Sci Sports Exerc.* 2022 Jul 1; 54(7):1114-1122.
431. Ikeda E, Guagliano JM, Atkin AJ, Sherar LB, Ekelund U, Hansen B, Northstone K, van Sluijs E; International Children's Accelerometry Database (ICAD) Collaborators. Cross-sectional and longitudinal associations of active travel, organised sport and physical education with accelerometer-assessed moderate-to-vigorous physical activity in young people: the International Children's Accelerometry Database. *Int J Behav Nutr Phys Act.* 2022 Apr 2; 19(1):41.
430. Navarro SM, Tsai MM, Ritchie LD, Frongillo EA, Laraia BA, **Pate RR**, Au LE. Household food insecurity and children's physical activity and sedentary behaviour in the United States: the Healthy Communities Study. *Public Health Nutr.* 2022 Feb; 25(2):381-388.
429. Bucko AG, Dowda M, Frongillo EA, Torres ME, **Pate RR**. Nighttime sleep and physical activity in 6-7 month-old infants. *Infant Behav Dev.* 2021 Nov; 65:101628.
428. Bucko AG, Porter DE, Saunders R, Shirley L, Dowda M, **Pate RR**. (2021) Walkability indices and children's walking behavior in rural vs. urban areas. *Health Place.* 2021 Nov; 72:102707.
427. Sallis JF, **Pate RR**. Creating the Future of Physical Activity Surveillance in the United States: Better Data for Better Health. *J Phys Act Health.* 2021 Aug 1; 18(S1):S1-S5.

426. Moore JB, Weaver RG, Levine BJ, Singletary CR, Carson RL, Beets MW, Castelli DM, Beighle A, **Pate RR**. A Pilot Study of a Comprehensive School Physical Activity Program in Elementary Schools: Be a Champion! *Health Behav Policy Rev*. 2021 Mar; 8(2):110-118.
425. Weaver RG, Hunt ET, Armstrong B, Beets MW, Brazendale K, Turner-McGrievy G, **Pate RR**, Youngstedt SD, Dugger R, Parker H, von Klinggraeff L, Jones A, Burkart S, Ressor-Oyer L. COVID-19 Leads to Accelerated Increases in Children's BMI z-Score Gain: An Interrupted Time-Series Study. *Am J Prev Med*. 2021 Oct; 61(4):e161-e169.
424. Navarro SM, Tsai MM, Ritchie LD, Frongillo EA, Laraia BA, **Pate RR**, Au LE. Household food insecurity and children's physical activity and sedentary behaviour in the United States: the Healthy Communities Study. *Public Health Nutr*. 2022 Feb; 25(2):381-388.
423. Coelho-Ravagnani CF, Almeida JA, Sui X, Ravagnani FCP, **Pate RR**, Blair SN. Changes in Compliance With Physical Activity Guidelines and Cardiovascular Disease Mortality. *J Phys Act Health*. 2021 Apr 9; 18(6):638-643.
422. **Pate RR**, Dowda M, Saunders RP, Colabianchi N, Clennin MN, Cordan KL, Militello G, Bucko A, Porter DE, Shirley WL. Operationalizing and Testing the Concept of a Physical Activity Desert. *J Phys Act Health*. 2021 Mar 30; 18(5):533-540.
421. Sweeney AM, Wilson DK, **Pate RR**, Van Horn ML, McIver K, Dowda M. The role of parental support for youth physical activity transportation and community-level poverty in the healthy communities study. *J Behav Med*. 2021 Aug; 44(4):563-570.
420. Weaver RG, Hunt E, Armstrong B, Beets MW, Brazendale K, Turner-McGrievy G, **Pate RR**, Maydeu-Olivares A, Saelens B, Youngstedt SD, Dugger R, Parker H, von Klinggraeff L, Jones A, Burkart S, Ressor-Oyer L. Impact of a year-round school calendar on children's BMI and fitness: Final outcomes from a natural experiment. *Pediatr Obes*. 2021 Oct; 16(10):e12789.
419. Brazendale K, Beets MW, Armstrong B, Weaver RG, Hunt ET, **Pate RR**, Brusseau TA, Bohnert AM, Olds T, Tassitano RM, Tenorio MCM, Garcia J, Andersen LB, Davey R, Hallal PC, Jago R, Kolle E, Kriemler S, Kristensen PL, Kwon S, Puder JJ, Salmon J, Sardinha LB, van Sluijs EMF; International Children's Accelerometry Database (ICAD) Collaborators. Children's moderate-to-vigorous physical activity on weekdays versus weekend days: a multi-country analysis. *Int J Behav Nutr Phys Act*. 2021 Feb 10; 18(1):28.
418. Schenkelberg MA, Brown WH, McIver KL, **Pate RR**. An observation system to assess physical activity of children with developmental disabilities and delays in preschool. *Disabil Health J*. 2021 Apr; 14(2):101008.
417. Armstrong B, Beets MW, Starrett A, Brazendale K, Turner-McGrievy G, Saelens BE, **Pate RR**, Youngstedt SD, Maydeu-Olivares A, Weaver RG. Dynamics of sleep, sedentary behavior, and moderate-to-vigorous physical activity on school versus nonschool days. *Sleep*. 2021 Feb 12; 44(2):zsaa174.
416. Kelley GA, Kelley KS, **Pate RR**. How many US Children and Adolescents with Overweight and Obesity Could Improve Their Percent Body Fat by Exercising?: Meta-Analytic Based Estimates. *Childhood Obesity*. 17. 10.1089/chi.2020.0245.

415. Kelley GA, Kelley KS, **Pate RR**. Inter-individual differences in body mass index were not observed as a result of aerobic exercise in children and adolescents with overweight and obesity. *Pediatr Obes.*2021; 16(1):e12692.
414. Schenkelberg MA, Mclver KL, Brown WH, **Pate RR**. Preschool Environmental Influences on Physical Activity in Children with Disabilities. *Med Sci Sports Exerc.*2020; 52(12):2682-2689.
413. Weaver RG, Armstrong B, Hunt E, Beets MW, Brazendale K, Dugger R, Turner-McGrievy G, **Pate RR**, Maydeu-Olivares A, Saelens B, Youngstedt, SD. The impact of summer vacation on children's obesogenic behaviors and body mass index: a natural experiment. *Int J Behav Nutr Phys Act.*2020; 17(1):153.
412. Taverno Ross SE, Smith Tapia I, Saunders RP, Documet PI, **Pate RR**. Implementation Monitoring of a Promotora-Led, Home-Based Obesity Prevention Pilot Study With Latino Preschool Children and Their Mothers. *Int Q Community Health Educ.* 2021 Jul; 41(4):411-418.
411. Neff RA, Zaltz DA, Hecht AA, **Pate RR**, Neelon B, O'Neill JR, Benjamin-Neelon SE. Preschool Healthy Food Policy Did Not Increase Percent of Food Wasted: Evidence from the Carolinas. *Nutrients.* 2020; 12(10):3024.
410. Taverno Ross SE, Militello G, Dowda M, **Pate RR**. Changes in Diet Quality in Youth Living in South Carolina from Fifth to 11<sup>th</sup> Grade. *J Nutr Educ Behav.*2020; 52(10):928-934.
409. McDonald SM, Yeo S, Liu J, Wilcox S, Sui X, **Pate RR**. Association between change in maternal physical activity during pregnancy and infant size, in a sample overweight or obese women. *Women Health.* 2020; 60(8):929-938.
408. Schenkelberg MA, Brown WH, Mclver KL, **Pate RR**. An observation system to access physical activity of children with developmental disabilities and delays in preschool. *Disabil Health J.*2021 Apr; 14(2):101008.
407. Armstrong B, Beets MW, Starrett A, Brazendale K, Turner-McGrievy G, Saelens BE, **Pate RR**, Youngstedt SD, Maydeu-Olivares A, Weaver RG. Dynamics of Sleep, Sedentary Behavior and MVPA on School versus Non-School Days. 2021 Feb 12; 44(2):zsa174.
406. Clennin M, Brown A, Lian M, Dowda M, Colabianchi N, **Pate RR**. Neighborhood Socioeconomic Deprivation Associated with Fat Mass and Weight Status in Youth. *Int J Environ Res Public Health.*2020 Sep 3; 17(17):6421.
405. **Pate, RR**, Clennin M, Shull ER, Reed JA, Dowda M. Poverty Status Moderates the Relationship between Cardiorespiratory Fitness and Academic Achievement. *J Sch Health.*2020 Aug; 90(8):630-640.
404. Saunders RP, Dishman RK, Dowda M, **Pate RR**. Personal, Social, and Environmental Influences on Physical Activity in Groups of Children As Defined by Different Physical Activity Patterns. *J Phys Act Health.* 2020 Jul 30; 17(9):867-873.
403. Kelley GA, Kelley KS, **Pate RR**. Are There Inter-Individual Differences in Fat Mass and Percent Body Fat as a Result of Aerobic Exercise Training in Overweight and Obese Children and Adolescents? A Meta-Analytic Perspective. *Child Obes.* 2020 Jul; 16(5):301-306.

402. **Pate RR**, Frongillo EA, Cordan K, Dowda M, McLain AC, Torres ME, Brown WH, Bucko A, Shull ER. Linking Activity, Nutrition, and Child Health (LAUNCH): protocol for a longitudinal cohort study of children as they develop from infancy to preschool age. *BMC Public Health*. 2020 Jun 15; 20(1):931.
401. Zaltz DA, Hecht AA, **Pate RR**, Neelon B, O'Neill JR, Benjamin-Neelon SE. Participation in the Child and Adult Care Food Program is associated with fewer barriers to serving healthier foods in early care and education. *BMC Public Health*. 2020 Jun 5; 20(1):856.
400. Mclver KL, **Pate RR**, Dowda M, Johnson SB, Yang J, Butterworth M, Liu X. Cross-Country Comparisons of Physical Activity and Sedentary Behavior among 5-Year-Old Children. *Int J Pediatr*. 2020 Jun 1:2020:7912894.
399. Shull ER, Dowda M, Saunders RP, Mclver K, **Pate RR**. Sport participation, physical activity and sedentary behavior in the transition from middle school to high school. *J Sci Med Sport*, 01 Nov 2019; 23(4):385-389.
398. Pescatello LS, Buchner DM, Jakicic JM, Powell KE, Kraus WE, Bloodgood Sheppard B, Campbell WW, Dietz S, Dipietro L, George SM, Mctiernan A, **Pate RR**, Piercy KL. Physical Activity to Prevent and Treat Hypertension: A Systematic Review. *Med Sci Sports Exerc*. 2019 Jun; 51(6):1314-1323.
397. Benjamin-Neelon SE, Bai J, Ostbye T, Neelon B, **Pate RR**, Crainiceanu C. Physical Activity and Adiposity in a Racially Diverse Cohort of US Infants. *Obesity (Silver Spring)*. 2020 Mar; 28(3): 631-637.
396. Dowda M, Saunders RP, Colabianchi N, Dishman RK, Mclver KL, **Pate RR**. Longitudinal Associations Between Psychosocial, Home, and Neighborhood Factors and Children's Physical Activity. *J Phys Act Health*. 2020 Mar 1; 17(3):306-312.
395. **Pate RR**, Sallis JF, Pollack Porter KM. Surveillance of Physical Activity: Actions Needed to Support New Federal Guidelines. *Am J Public Health*. 2020 Jan; 110(1):87-89.
394. Weaver RG, Hunt E, Rafferty A, Beets MW, Brazendale K, Turner-McGrievy G, **Pate RR**, Maydeu-Olivares A, Saelens B, Youngstedt S. The potential of a year-round school calendar for maintaining children's weight status and fitness: Preliminary outcomes from a natural experiment. *J Sport Health Sci*. 2020 Jan; 9(1):18-27.
393. Singletary CR, Weaver G, Carson RL, Beets MW, **Pate RR**, Saunders RP, PelusoAG, Moore JB. Evaluation of a comprehensive school physical activity program: be a champion! *Eval Program Plann*. 2019 Aug; 75:54-60.
392. Colabianchi N, Clennin MN, Dowda M, Mclver KL, Dishman RK, Porter DE, **Pate RR**. Moderating effect of the neighborhood physical activity environment on the relation between psychosocial factors and physical activity in children: a longitudinal study. *J Epidemiol Community Health*. 2019 Jul; 73(7):598-604.
391. Dunton GF, Berrigan D, Young DR, Pfeiffer KA, Lee SM, Slater SJ, **Pate RR**. Strategies to improve physical activity surveillance among youth in the United States. *J Pediatr*. 2019 Jul; 210:226-231.

390. Dishman RK, Mclver KL, Dowda M, Saunders RP, **Pate RR**. Self-efficacy, beliefs, and goals: moderation of declining physical activity during adolescence. *Health Psychol.* 2019 Jun; 38(6):483-493.
389. Michael SL, Brener N, Lee SM, Clennin M, **Pate RR**. Physical education policies in US schools: differences by school characteristics. *J Sch Health.* 2019 Jun; 89(6):494-502.
388. Pescatello LS, Buchner DM, Kakicic JM, Powell KE, Kraus WE, Bloodgood B, Campbell WW, Dietz S, DiPietro L, George SM, Macko RF, McTiernan A, **Pate RR**, Piercy KL, 2018 Physical Activity Guidelines Advisory Committee. Physical activity to prevent and treat hypertension: a systematic review. *Med Sci Sports Exerc.* 2019 Jun; 51(6):1314-1323.
387. **Pate RR**, Hillman CH, Janz KF, Katzmarzyk PT, Powell KE, Torres A, Whitt-Glover MC, 2018 Physical Activity Guidelines Advisory Committee. Physical activity and health in children younger than 6 years: a systematic review. *Med Sci Sports Exerc.* 2019 Jun; 51(6):1282-1291.
386. Jakicic JM, Powell KE, Campbell WW, DiPietro L, **Pate RR**, Pescatello LS, CollinsKA, Bloodgood B, Piercy KL, 2018 Physical Activity Guidelines Advisory Committee. Physical activity and the prevention of weight gain in adults: a systematic review. *Med Sci Sports Exerc.* 2019 Jun; 51(6):1262-1269.
385. Dias KI, White J, Jago R, Cardon G, Davey R, Janz KF, **Pate RR**, Puder JJ, ReillyJJ, Kipping R. International comparison of the levels and potential correlates of objectively measured sedentary time and physical activity among three-to-four-year-old children. *Int J Environ Res Public Health.* 2019 May 31; 16(11):1929.
384. Saunders RP, Schenkelberg MA, Moyer C, Howie EK, Brown WH, **Pate RR**. The translation of an evidence-based preschool physical activity intervention from in-person to online delivery of professional development to preschool teachers. *Transl Behav Med.* 2019 Nov 25; 9(6):1186-1196.
383. DiPietro L, Buchner DM, Marquez DX, **Pate RR**, Pescatello LS, Whitt-Glover MC. New scientific basis for the 2018 U.S. physical activity guidelines. *J Sport HealthSci.* 2019 May; 8(3):197-200.
382. **Pate RR**, Schenkelberg MA, Dowda M, Mclver KL. Group-based physical activity trajectories in children transitioning from elementary to high school. *BMC Public Health.* 2019 Mar 18; 19(1):323.
381. Whitsel LP, **Pate RR**, Ablah E, Lemon SC, Pronk NP, Wojcik JR, Walker A, Grossmeier J, Pollack KM, Whitsel LP, Bryant CX, Whitsel LP, Arena R, LaminskyLA, Berrigan D, Katzmarzyk PT, Calitz C, Grossmeier J, Pshock J, Lobelo F, Pronk NP. Editor's Desk: Promoting physical activity in the workplace. *Am J Health Promot.* 2019; 33(2):312-326.
380. McDonald SM, Lui J, Wilcox S, Sui X, **Pate RR**. Maternal physical activity prior to and during pregnancy does not moderate the relationship between maternal body mass index and infant macrosomia. *J Sci Med Sport.* 2019 Feb; 22(2):186-190.
379. Weaver RG, Beets MW, Perry M, Hunt E, Brazendale K, Decker L, Turner-McGrievy G, **Pate RR**, Youngstead SD, Saelens BE, Maydeu-Olivares A. Changes in children's sleep and physical activity during a 1-week versus a 3-week break from school: a natural experiment. *Sleep.* 2019 Jan 1; 42(1):zsy205.

378. Weaver RG, Hunt E, Rafferty A, Beets MW, Brazendale K, Turner-McGrievy G, **Pate RR**, Maydeu-Olivares A, Saelens B, Youngstedt. The potential of a year-round calendar for maintaining children's weight status and fitness: preliminary outcomes from a natural experiment. *Journal of Sport and Health Science*. 2020 Jan; 9(1):18-27.
377. **Pate RR**. The Report of the US Physical Activity Guidelines Advisory Committee: Important Findings for Employers. *American Journal of Health Promotion*. 2019 Feb; 33(2):313-314.
376. **Pate RR**, Dowda M, Dishman RK, Colabianchi N, Saunders RP, McIver KL. Change in Children's Physical Activity: Predictors in the Transition From Elementary to Middle School. *American Journal of Preventive Medicine*. 2019 Mar; 56(3):e65-e73.
375. Brazendale K, Beets MW, Turner-McGrievy GM, Kaczynski AT, **Pate RR**, WeaverRG. Children's Obesogenic Behaviors During Summer Versus School: A Within-Person Comparison. *Journal of School Health*. 2018 Dec; 88(12):886-892.
374. **Pate RR**, Dowda M. Raising an Active and Healthy Generation: A Comprehensive Public Health Initiative. *Exercise and Sport Sciences Reviews*. 47(1):p 3-14, January 2019.
373. Collie-Akers VL, Schultz JA, Fawcett SB, Obermeier SM, **Pate RR**, John LV, Weber SA, Logan A, Arteaga SS, Loria CM, Webb K; Healthy Communities Study Team. The prevalence of community programmes and policies to prevent childhood obesity in a diverse sample of US communities: the Healthy Communities Study. *Pediatric Obesity*. 2018 Oct;13 Suppl 1:64-71.
372. **Pate RR**, Frongillo EA, McIver KL, Colabianchi N, Wilson DK, Collie-Akers VL, Schultz JA, Reis J, Madsen K, Woodward-Lopez G, Berrigan D, Landgraf A, Nagaraja J, Strauss WJ; Healthy Communities Study Team. Associations between community programmes and policies in children's physical activity: the Healthy Communities Study. *Pediatric Obesity*. 2018 Oct;13 Suppl 1(Suppl 1):72-81.
371. Strauss, W.J., Nagaraja, J., Landgraf, A.J., Arteaga, S.S., Fawcett, S.B., Ritchie, L.D., John, L.V., Gregoriou, M., Frongillo, E.A., Loria, C.M., Weber, S.A., Collie- Akers, V.L., McIver, K.L., Schultz, J., Sagatov, R.D.F., Leifer, E.S., Webb, K. **Pate, R.R.** on behalf of the Healthy Communities Study Team. The longitudinal relationship between community programmes and policies to prevent childhood obesity and BMI in children: the Healthy Communities Study. *Pediatric Obesity*. 2018 Oct;13 Suppl 1: 82-92.
370. Kaczynski AT, Besenyi GM, Child S, Morgan Hughey S, Colabianchi N, McIver KL, Dowda M, **Pate RR**; Healthy Communities Study Team. Relationship of objective street quality attributes with youth physical activity: findings from the Healthy Communities Study. *Pediatric Obesity*. 2018 Oct; 13 Suppl 1(Suppl 1):7-13.
369. Saunders RP, Dowda M, McIver K, **Pate RR**; Healthy Communities Study Team. Regional comparisons of walking or bicycling for fun or exercise and for active transport in a nationally distributed sample of community-based youth. *Pediatric Obesity*. 2018 Oct;13 Suppl 1(Suppl 1):36-45.
368. Clennin MN, Demissie Z, Michael SL, Wright C, Silverman S, Chriqui J, **Pate RR**. Secular Changes in Physical Education Attendance Among U.S. High School Students, 1991-2015. *Research Quarterly in Exercise and Sport*. 2018 Dec; 89(4):403-410.
367. Zaltz DA, **Pate RR**, O'Neill JR, Neelon B, Benjamin-Neelon SE. Barriers and Facilitators to Compliance with a State Healthy Eating Policy in Early Care and Education Centers. *Childhood Obesity*. 2018 Aug/Sept; 14(6):349-357.

366. **Pate RR**, Mclver KL, Dowda M, Schenkelberg MA, Beets MV, Distefano C. EASY-An Instrument for Surveillance of Physical Activity in Youth. *Medicine and Science in Sports and Exercise*. 2018 Jun; 50(6):1261-1223.
365. Dishman RK, Mclver KL, Dowda M, **Pate RR**. Declining Physical Activity and Motivation from Middle School to High School. *Medicine and Science in Sports and Exercise*. 50 (6):p 1206-1215, June 2018.
364. Ross SE, Clennin MN, Dowda M, Colabianchi N, **Pate RR**. Stepping It Up: Walking Behaviors in Children Transitioning from 5th to 7th Grade. *International Journal of Environmental Research and Public Health*. 2018 Feb 3; 15(2):262.
363. Saunders RP, Dowda M, Mclver K, McDonald SM, **Pate RR**. Physical and social contexts of physical activity behaviors of fifth and seventh grade youth. *Journal of School Health*. 2018 Feb; 88(2):122-31.
362. Li C, D'Agostino Jr R, Dabelea D, Liese A, Mayer-Davis E, **Pate RR**, Merchant A. Longitudinal association between eating frequency and HbA1c and serum lipids in diabetes in the SEARCH for Diabetes in Youth Study. *Pediatric Diabetes*. 2018; 19(6):1073-1078.
361. Lobelo, F., Rohm Young, D., Sallis, R., Garber, M.D., Billinger, S.A., Duperly, J., Hutber, A., **Pate, R.R.**, Thomas, R.J., Widlansky, M.E., McConnell, M.V., Joy, E.A. Routine Assessment and Promotion of Physical Activity in Health care Settings: A Scientific Statement From the American Heart Association. *Circulation*. 2018 May 1; 137(18):e495–e522.
360. Ross S.E., Gibbs, B.B., Doucmet, P.I., **Pate, R.R.** ANDALE Pittsburgh: results of a promotor-led, home-based intervention to promote a healthy weight in Latino preschool children. *Public Health*. 2018 Mar 16; 18(1):360.
359. Moore JB, Carson RL, Webster CA, Singletary CR, Castelli DM, **Pate RR**, Beets MW, Beighle A. The application of an implementation science framework to comprehensive school physical activity programs: be a champion! *Frontiers in Public Health*. 2018 Jan 5; 5:354.
358. McDonald SM, Clennin MN, **Pate RR**. Specific Strategies for Promotion of Physical Activity in Kids – Which Ones Work? A Systematic Review of the Literature. *American Journal of Lifestyle Medicine*. 2018 Nov 15; 12(1):51-82.
357. Brazendale K, Beets MW, Weaver RG, **Pate RR**, Turner-McGrievy G, Kaczynski AT, Chandler JC, Bohnert A, von Hippel P. Understanding differences between summer vs. school obesogenic behaviors of children: the structured days hypothesis. *International Journal of Behavioral Nutrition and Physical Activity*. 2017 Jul 26; 14(1):100.
356. **Pate RR**, Joy E, Lobelo F. Physical activity promotion in the adolescent patient. *Adolescent Medicine*. 2017; 28(2):316-333.
355. Ross, SE, Doucmet PI, **Pate RR**, Smith-Tapia I, Wisniewski LM, Gibbs BB. Study Protocol for a Home-Based Obesity Prevention Program in Latino Preschool Children. *Translational Journal of the ACSM*. 2017 July; 2(14):85-91.
354. Frongillo EA, Fawcett SB, Ritchie LD, Arteaga S, Loria CM, **Pate RR**, John LV, Strauss WJ, Gregoriou M, Collie-Akers VL, Schultz JA, Landgraf AJ, Nagaraja J. Community policies and programs to prevent obesity and child adiposity. *American Journal of Preventive Medicine*. 2017 Nov; 53(5):576-583.

353. Mitchell JA, Dowda M, **Pate RR**, Kordas K, Froberg K, Sardinha LB, Kolle E, Page A. Physical Activity and Pediatric Obesity: A quantile regression analysis. *MedSci Sports Exerc.* 2017 Mar; 49(3):466-473.
352. Kennedy AB, Schenkelberg M, Moyer C, **Pate RR**, Saunders RP. Process evaluation of a preschool physical activity intervention using web-based delivery. *Eval Program Plann.* 2017 Feb; 60:24-36.
351. Hivert MF, Arena R, Forman DE, Kris-Etherton PM, McBride PE, **Pate RR**, SpringB, Trilk J, Van Horn LV, Kraus WE. Medical Training to Achieve Competency in Lifestyle Counseling: An Essential Foundation for Prevention and Treatment of Cardiovascular Disease and Other Chronic Medical Conditions. *Circulation.* 2016 Oct 11; 134(15):e308-e327.
350. Lau, E.Y., Saunders, R.P. & **Pate, R.R.** Factors Influencing Implementation of a Physical Activity Intervention in Residential Children's Homes. *Prev Sci.* 2016 Nov; 17(8):1002-1011.
349. Lau, E. Y., Wandersman, A. H., & **Pate, R. R.** (2016). Factors Influencing Implementation of Youth Physical Activity Interventions: An Expert Perspective. *Translational Journal of the American College of Sports Medicine.* 1(7): p 60-70, July 1, 2016.
348. O'Neill JR, Pfeiffer KA, Dowda M, **Pate RR**. In-School and Out-of-School Physical Activity in Preschool Children. *J Phys Act Health.* 2016; 13:606-610.
347. Poitras VJ, Gray CE, Borghese MM, Carson V, Chaput J-P, Janssen I, KatzmarzykPT, **Pate RR**, Connor Gorber S, Kho ME, Sampson M, Tremblay MS. Systematic review of the relationships between objectively measured physical activity and health indicators in school-aged children and youth. *Applied Physiology, Nutrition, and Metabolism.* 41(6 suppl.3):S197-S239, 2016.
346. Whitaker KM, Wilcox S, Liu J, Blair SN, Pate RR. African American and White women's perceptions of weight gain, physical activity, and nutrition during pregnancy. *Midwifery.* 2016; 34:211-220.
345. **Pate RR**, Brown WH, Pfeiffer KA, Howie EK, Saunders RP, Addy CL, Dowda M. An Intervention to Increase Physical Activity in Children: A Randomized Controlled Trial With 4-Year-Olds in Preschools. *Am J Prev Med.* 2016 Jul; 51(1):12-22.
344. Dowda M, **Pate RR**, Mclver KL, Baxter SD, Wilson DK, Guinn CH. Validation of Interviewer-Assisted Recall for Measuring Minutes of Moderate to Vigorous Physical Activity in Elementary School Children, Grades 3 and 5. *J Nutr Educ Behav.* 2016 Feb; 48(2):152-156.
343. Howie EK, Brewer AE, Dowda M, Mclver KL, Saunders RP, **Pate RR**. A Tale of 2 Teachers: A Preschool Physical Activity Intervention Case Study. *J Sch Health.* 2016 Jan; 86(1):23-30.
342. Mclver KL, Brown WH, Pfeiffer KA, Dowda M, **Pate RR**. Development and Testing of the Observational System for Recording Physical Activity in Children: Elementary School. *Res Q Exerc Sport.* 2016 Mar; 87(1):101-9.
341. Ross SE, Flynn, JI, **Pate RR**. What is really causing the obesity epidemic? A review of reviews in children and adults, *Journal of Sports Sciences.* 2016; 34(12):1148-1153.
340. Whitaker K, Wilcox S, Liu J, Blair S, **Pate RR**. Patient and provider perceptions of weight gain, exercise, and nutrition counseling during pregnancy: a qualitative study. *Women's Health Issues.* 2016 Jan-Feb; 26(1):116-122.

339. Whitaker K, Wilcox S, Liu J, **Pate R**, Blair S. Pregnant women's perceptions of weight gain, physical activity, and nutrition using Theory of Planned Behavior Constructs. *Journal of Behavioral Medicine*. 2016 Feb; 39(1):41-54.
338. Benjamin Neelon SE, Mayhew M, O'Neill JR, Neelon B, Li F, **Pate RR**. Comparative evaluation of a South Carolina policy to improve nutrition in child care. *Journal of the Academy of Nutrition and Dietetics*. 2016 Jun; 116(6):949-56.
337. Weaver, R. G., Hutto, B., Saunders, R., Moore, J. B., Turner-McGrievy, G., Huberty, J., Ward, D. S., **Pate, R.**, Beighle, A., Freedman, D., Beets, M. W. Making Healthy Eating and Physical Activity Policy Practice: Process evaluation of a group randomized controlled intervention targeting healthy eating and physical activity in afterschool programs. *Health Education Research*. 2015 Dec; 30(6):849-65.
336. Byun W, Beets M, **Pate R**. Sedentary Behavior in Preschoolers: How Many Days of Accelerometer Monitoring is Needed? *International Journal of Environmental Research and Public Health*. 2015 Oct; 12(10):13148-13161.
335. Sperling LS, Mechanick JI, Neeland, IJ, Herrick, CJ, Despres J-P, Ndumele CE, Vijayaraghavan K, Handelsman Y, Puckrein GA, Araneta MRG, Blum QK, CollinsKK, Cook S, Dhurandar NV, Dixon DL, Egan BM, Ferdinand DP, Herman LM, Hessen SE, Jacobson TA, **Pate RR**, Ratner RE, Brinton EA, Forker AD, Ritzenthaler LL, Grundy SM. The CardioMetabolic Health Alliance: Working Toward a New Care Model for the Metabolic Syndrome. *J Am Coll Cardiol*. 2015 Sep 1; 66(9):1050-1067.
334. Li C, Beech B, Crume T, D'Agostino RB, Dabelea D, Kaar JL, Liese AD, Mayer-Davis EJ, **Pate RR**, Pettitt DJ, Taplin C, Rodriguez B, Merchant AT. Longitudinal association between television watching and computer use and risk markers in diabetes in the SEARCH for Diabetes in Youth Study. *Pediatric Diabetes*. 2015 Aug; 16(5):382-391.
333. Howie EK, Schatz J, **Pate RR**. Acute Effects of Classroom Exercise Breaks on Executive Function and Math Performance: A Dose-Response Study. *Research Quarterly for Exercise and Sport*. 2015; 86(3):217-24.
332. Kraus WE, Bittner V, Appel L, Blair SN, Church T, Després J-P, Franklin BA, MillerTD, **Pate RR**, Taylor-Piliae RE, Vafiadis DK, Whitsel L; on behalf of the American Heart Association Physical Activity Committee of the Council on Lifestyle and Metabolic Health, Council on Clinical Cardiology, Council on Hypertension, and Council on Cardiovascular and Stroke Nursing. The National Physical Activity Plan: a call to action from the American Heart Association: a science advisory from the American Heart Association. *Circulation*. 2015 May 26; 131(21):1932-40.
331. Brazendale, K., Beets, MW., Bornstein, DB., Moore JB., **Pate, RR.**, Weaver, RG., Falck, RS., Chandler, JL., Andersen, LB., Anderssen, SA., Cardon, G., Cooper, A., Davey, R., Froberg, K., Hallal, PC., Janz, KF., Kordas, K., Kriemler, S., Puder, JJ., Reilly, JJ., Salmon, J., Sardinha, LB., Timperio, A., van Sluijs, EMF. Equating accelerometer estimates among youth: the Rosetta Stone 2. *Journal of Science and Medicine in Sport*. 2016 Mar; 19(3):242-249.
330. Sui, X., Brown, W.J., Lavie, C.J., West, D.S., **Pate, R.R.**, Payne, J.P.W., Blair, S.N. Associations Between Television Watching and Car Riding Behaviors and Development of Depressive Symptoms: A Prospective Study. *Mayo Clin Proc*. 2015; 90(2):184-190.

329. Piercy, K.L., Dorn, J.M., Fulton, J.K., Janz, K.F., Lee, S.E., McKinnon, R.A., **Pate, R.R.**, Pfeiffer, K.A., Young, D.R., Troiano, R.P., Lavizzo-Mourey R. Opportunities for Public Health to Increase Physical Activity Among Youths. *American Journal of Public Health*. 2015 Jan 20:e1–e6.
328. Bornstein, D.B., **Pate, R.R.**, Beets, M.W., Ortaglia, A., Saunders, R.P., Blair, S.N. New Perspective on Factors Related to Coalition Success. Novel findings from an investigation of physical activity coalitions across the United States. *Journal of Public Health Management and Practice*. 2015; 21(6):E23-30.
327. Bornstein, D.B., **Pate, R.R.**, Beets, M.W., Ortaglia, A., Saunders, R.P., Blair, S.N. Organizational Member Involvement in Physical Activity Coalitions Across the United States: Development and Testing of a Novel Survey Instrument for Assessing Coalition Functioning. *Health Education and Behavior*. 2015 Jun; 42(3):313-320.
326. Lawman, H.G., Van Horn, L.M., Wilson, D.K., & **Pate, R.R.** A multilevel approach to examining time-specific effects in accelerometer-assessed physical activity. *Journal of Science and Medicine in Sport*. 2015 Nov; 18(6):667-672.
325. Buscemi, J., Kong, A., Fitzgibbon, M.L., Bustamante, E.E., Davis, C.L., **Pate, R.R.**, & Wilson, D.K. Society of Behavioral Medicine Position Statement: School- based physical activity improves academic achievement. *Translational Behavioral Medicine*. 2014; 4(4):436-438.
324. **Pate RR.**, Taverno Ross SE., Liese AD., Dowda M. Associations among physical activity, diet quality, and weight status in US adults. *Med Sci Sports Exerc*. 2015 Apr; 47(4):743-50.
323. Arena R, Arnett DK, Terry PE, Li S, Isaac F, Mosca L, Braun L, Roach WH Jr, **Pate RR**, Sanchez E, Camethon M, Whitsel LP. The role of worksite health screening: A policy statement from the American heart association. *Circulation*. 2014 Aug 19; 130(8):719-34.
322. Howie EK, Newman-Norland RD, **Pate RR**. Smiles count but minutes matter: responses to classroom exercise breaks. *Am J Health Behav*. 2014 Sep; 38(5):681-9.
321. Beets MW, Glenn Waver R, Turner-McGrievy G, Huberty J, Ward DS, Freedman DA, Saunders R, **Pate RR**, Beighle A, Hutto B, Moore JB. Making healthy eating and physical activity policy practice: The design and overview of a group of randomized controlled trial in afterschool programs. *Contemp Clin Trials*. 2014 Jul; 38(2):291-303.
320. Kelley GA, Kelley KS, **Pate RR**. Effects of exercise on BMI z-score in overweight and obese children and adolescents: a systematic review with meta-analysis. *BMC Pediatrics*. 2014 Sep 9:14:225.
319. Baxter SD, Hitchcock DB, Guinn CH, Vaadi KK, Puryear MP, Royer JA, McIver KL, Dowda M, **Pate RR**, Wilson DK. A Validation Study Concerning the Effects of Interview Content, Retention Interval, and Grade on Children's Recall Accuracy for Dietary Intake and/or Physical Activity. *J Acad Nutr Diet*. 2014; 114:1902-1914.
318. Bornstein DB, **Pate RR**, Buchner DM. Development of a national physical activity plan for the United States. *J Phys Act Health*. 2014 Mar; 11(3):463-9.
317. **Pate RR**. An inside view of the U.S. National Physical Activity Plan. *Phys Act Health*. 2014 Mar; 11(3):461-2.

316. Addy CL, Trilk JL, Dowda M, Byun W, **Pate RR**. Assessing preschool children's physical activity: How many days of accelerometry measurement. *Pediatr Exerc Sci*. 2014 Feb; 26(1):103-9.
315. Howie EK, Brewer A, Brown WH, Pfeiffer KA, Saunders RP, **Pate RR**. The 3-year evolution of a preschool physical activity intervention through a collaborative partnership between research interventionists and preschool teachers. *Health Educ Res*. 2014 Jun; 29(3):491-502
314. **Pate RR**, Welk G, Mclver K. Large-scale youth physical fitness testing in the United States: A 25-Year Retrospective Review. *Pediatric Exercise Science*. 2013, 25:515-523.
313. Howie E, **Pate RR**. Classroom exercise breaks in central south carolina: 'It's not a well-oiled machine' but 'kids are happy and productive. *Teacher Education Journal of South Carolina*. 2013, p 79-89.
312. O'Neill JR, Williams HG, Pfeiffer KA, Dowda M, Mclver KL, Brown WH, **Pate RR**. Young children's motor skill performance: Relationships with activity types and parent perception of athletic competence. *J Sci Med Sport*. 2014 Nov; 17(6):607-10.
311. Cohen A, McDonald S, Mclver K, **Pate RR**, Trost S. Assessing Physical Activity During Youth Sport: The Observational System for Recording Activity in Children: Youth Sports (OSRAC:YS). *Pediatr Exerc Sci*. 2014 May; 26(2):203-9.
310. España-Romero V, Artero EG, Lee DC, Sui X, Baruth M, Ruiz JR, **Pate RR**, Blair SN. A prospective study of ideal cardiovascular health and depressive symptoms. *Psychosomatics*. 2013 Nov-Dec; 54(6):525-35.
309. Baxter SD, Hitchcock DB, Guinn CH, Royer JA, Wilson DK, **Pate RR**, Mclver KL, Dowda M. A pilot study of the effects of interview content, retention interval, and grade on accuracy of dietary information from children. *J Nutr Educ Behav*. 2013 Jul-Aug; 45(4):368-73.
308. Taverno Ross SE, Byun W, Dowda M, Mclver K, Saunders R, **Pate RR**. Sedentary behaviors in fifth-grade boys and girls: where, with whom, and why? *Childhood Obesity*. 2013 Dec; 9(6):532-9.
307. Addy CL, Trilk JL, Dowda M, Byun W, **Pate RR**. Assessing preschool children's physical activity: How many days of accelerometry measurement. *Pediatr Exerc Sci*. 2014 Feb; 26(1):103-9.
306. Bottai, M., Frongillo, E.A., Sui, X., O'Neill, J.R., McKeown, R. E., Burns, T.L., Liese, A.D., Blair, S.N., & **Pate, RR**. Use of quantile regression to investigate the longitudinal association between physical activity and body mass index. *Obesity*. 2014 May; 22(5):E149-56.
305. Pfeiffer KA, Saunders R, Brown W, Dowda M, Addy C, **Pate RR**. Study of Health and Activity in Preschool Environments (SHAPES): Study protocol for a randomized trial evaluating a multi-component physical activity intervention in preschool children. *BMC Public Health* 2013,13:728.
304. Beets MW, Weaver RG, Moore JB, Turner-McGrievy G, **Pate RR**, Webster C, Beighle A. From policy to practice: Strategies to meet physical activity standards in YMCA afterschool programs. *American Journal of Preventive Medicine*. 2014 March; 46(3): 281-288.
303. Taverno Ross SE, Dowda M, Saunders RP, **Pate RR**. Double Dose: The cumulative effect of TV viewing at home and in preschool on children's activity patterns and weight status. *Ped Exc Sci*. 2013 May; 25(2):262-272.

302. **Pate RR**, O'Neill JR., Liese AD, Janz KF, Granberg EM, Colabianchi N, Harsha DW, Condrasky MM, O'Neil PM, Lau EY, Taverno Ross SE. Factors associated with development of excessive fatness in children and adolescents: A review of prospective studies. *Obesity Reviews*. 2013 Aug; 14(8):645-58.
301. Mitchell JA, **Pate RR**, Espana-Romero V, O'Neill JR, Dowda M, Nader PR. Moderate-to-vigorous physical activity is associated with decreases in body mass index from ages 9 to 15 years. *Obesity*. 2013 Mar; 21(3):E280-E293.
300. Mitchell JA, **Pate RR**, Liese A. Changes in cardiovascular disease risk factors from age 9 to 19 and the influence of television viewing. *Pediatric Obesity*. Feb 2013, 21(2):386-393.
299. Trilk J, Ortaglia A, Blair SN, Bottai M, Church T, **Pate RR**. Cardiorespiratory fitness, waist circumference, and alanine aminotransferase in youth. *Medicine & Science in Sports & Exercise*. 2013 April, 45(4):601-803.
298. Dishman RK, Saunders R, McIver K, Dowda M, **Pate RR**. Construct validity of selected measures of physical activity and beliefs and motives in fifth and sixth grade boys and girls. *Journal of Pediatric Psychology*. 2013; 38(5):563-576.
297. España-Romero V, Mitchell JA, Dowda M, O'Neill JR, **Pate RR**. Objectively measured sedentary time, physical activity and markers of body fat in preschool children. *Pediatric Exercise Science*. 2013 Feb; 25(1):154-63.
296. Casazza, K, Fontaine K, Astrup A, Birch L, Brown A, McIver K, **Pate RR**. Myths, presumptions, and facts about obesity. *The New England Journal of Medicine*. 368(5) 2013.
295. Ross SET, Dowda M, Beets MW, **Pate RR**. Physical activity behavior and related characteristics of highly-active 8th grade girls. *Journal of Adolescent Health*. 2013 Jun; 52(6):745-51.
294. Mitchell JA, **Pate RR**, Beets MW, Nader PR. Time spent in sedentary behavior and changes in childhood BMI: a longitudinal study from ages 9 to 15 years. *Int J Obes*. 2013 Jan; 37(1):54-60.
293. Byun W, Blair S, **Pate RR**. Objectively measured sedentary behavior in preschool children: Comparison between Montessori and traditional preschool. *International Journal of Behavioral Nutrition and Physical Activity*. 2013 Jan 3;10:2.
292. Byun W, Liu J, **Pate RR**. Association between objectively measured sedentary behavior and body mass index in preschool children. *International Journal of Obesity*, 2013 Jul; 37(7):961-5.
291. Howie EK, **Pate RR**. Physical activity and academic achievement in children: A historical perspective. *Journal of Sport and Health Science*, 2012;160-169.
290. Trilk JL, Ortaglia A, Blair SN, Bottai M, Church TS, **Pate RR**. Cardiorespiratory fitness, waist circumference, and alanine aminotransferase in youth. *Med SciSports Exerc*, 2013 Apr; 45(4):722-7.
289. **Pate RR**, O'Neill JR. Physical activity guidelines for young children: An emerging consensus. *Arch Pediatr Adolesc Med*, 2012; 166(12):1095-1096.

288. Wilson DK, Baxter SD, Guinn C, **Pate RR**, McIver K. A qualitative study of interviewer-administered physical activity recalls by children. *Journal of Physical Activity and Health*, 2013 Aug; 10(6):833-49.
287. Howie EK, Brown WH, Dowda M, McIver KL, **Pate RR**. Physical activity behaviours of highly active preschoolers. *Pediatric Obesity*, 2013 Apr; 8(2):142-9.
286. Taverno Ross S.E., Dowda M, Colabianchi R, Saunders R, Pate RR. After-school setting, physical activity, and sedentary behavior in 5th grade boys and girls. *Health & Place*, 2012; 18:951-955.
285. Kim Y, Beets M, **Pate RR**, Blair, S. The effect of reintegrating actigraph accelerometer counts in preschool children: Comparison using different epoch lengths. *Journal of Science and Medicine in Sport*, 2013 Mar; 16(2):129-34.
284. Trumpeter N, Lawman H, Wilson D, **Pate RR**, Horn M, Tate A. Accelerometry cutpoints for physical activity in underserved African Americans. *International Journal of Behavioral Nutrition and Physical Activity*, 2012. MS ID: 7403719686748599
283. Mitchell J, **Pate RR**, Dowda M, Mattocks C, Riddoch C, Ness A, Blair S. A prospective study of sedentary behavior in a large cohort of youth. *Medicine and Science in Sports & Exercise*, 2012 Jun; 44(6):1081-7.
282. Byun W., Dowda M., **Pate RR**. Associations between screen-based sedentary behavior and cardiovascular disease risk factors in Korean youth. *J Korean MedSci.*, 2012; 27:388-394.
281. Dowda M., Pfeiffer K., Lobelo, F., Porter D., **Pate RR**. Cardiorespiratory Fitness and Proximity to Commercial Physical Activity Facilities Among 12th Grade Girls. *Journal of Adolescent Health*, 2012 May; 50(5):497-502.
280. Beets M. W., Weaver R. G., Beighle A., Webster C., & **Pate RR**. Physical activity levels of children attending day-long summer camps. *Journal of Physical Activity and Health*, 2013 Aug; 10(6):850-855.
279. **Pate, RR**, Dowda M, Brown WH, Mitchell J, Addy C. Physical Activity in Preschool Children With the Transition to Outdoors. *J Phys Act Health*, 2013, 10:70–175.
278. Trilk J, **Pate RR**, Pfeiffer K, Dowda M, Addy C, Ribisl K, Neumark-Sztainer D, Lytle L. A cluster analysis of physical activity and sedentary behavior patterns in middle school girls. *Journal of Adolescent Health*, 2012 Sep; 51(3):292-298.
277. Ekelund U, Luan J, Sherer LB, Esliger DW, Griew P, Cooper A, **Pate RR**. Moderate to vigorous physical activity and sedentary time and cardiometabolic risk factors in children and adolescents. *JAMA*, 2012, Feb 15; 307(7):704-12.
276. Mitchell JA, **Pate RR**, Blair SN. Screen-Based sedentary behavior and cardiorespiratory fitness from age 11 to 13. *Med Sci Sports Exerc*, 2012 Jul; 44(7):1302-9.
275. Dowda M, Pfeiffer KA, Lobelo F, Porter DE, **Pate RR**. Cardiorespiratory fitness and proximity to commercial physical activity facilities among 12th grade girls. *Journal of Adolescent Health*, 2012 May; 50(5):497-502.
274. Saunders RP, **Pate RR**, Dowda M, Ward DS, Epping J, Dishman RK. Assessing sustainability of Lifestyle Education for Activity Program (LEAP). *Health Education Research*, 2012 Apr; 27(2):319-30.

273. Mitchell JA, **Pate RR**, Dowda M, Mattocks C, Riddoch C, Ness AR, Blair SN. A Prospective study of sedentary behavior in a large cohort of youth. *Med Sci Sports Exerc*, 2012 Jun; 44(6):1081-7.
272. Koorts H, Mattocks C, Ness AR, Deere K, Blair SN, **Pate RR**, Riddoch C. The association between the type, context, and levels of physical activity amongst adolescents. *J Phys Act Health*. 2011 Nov; 8(8):1057-65.
271. Byun, W, Dowda M, **Pate RR**. Correlates of objectively measured sedentary behavior in US preschool children. *Pediatrics*. 2011, Nov; 128(5):937-45.
270. **Pate RR**, Mitchell JA, Byun W, Dowda M. Sedentary behavior in youth. *J SportsMed*. 2011 Sep; 45(11):906-13.
269. O'Neill JR, **Pate RR**, Liese AD. Descriptive epidemiology of dance participation in adolescents. *Res Q Exerc Sport*, 2011; 82(3):373-80.
268. O'Neill JR, **Pate RR**, Beets MW. Physical activity levels of adolescent girls during dance classes. *J Phys Act Health*, 9(3):382-388.
267. **Pate RR**, Gay JL, Brown DR, Pratt M. Building capacity in physical activity and public health. *J Phys Act Health*. 2011 Sep; 8 Suppl 2:149-50.
266. Mountjoy M, Anderson L, Armstrong N, Biddle S, Boreham C, Bedenbeck H, Ekelund U, Engebretsen L, Hardman K, Hills A, Kahlmeier S, Kriemler S, Lambert E, Ljungqvist A, Matsudo V, McKay H, Micheli L, **Pate RR**, Riddoch C, Schamasch P, Sundberg C, Tomkinson G, Sluijs E, Mechelen W. International Olympic Committee consensus statement on health and fitness of young people through physical activity and sport. *Br J Sports Med*, 2011; 45:839-848.
265. O'Neill JR, **Pate RR**, Hooker SP. The contribution to dance to daily physical activity among adolescent girls. *Int J Behav Nutr Phys Act.*, 2011; 8:87.
264. Wilson DK, Van Horn M, Kitzman-Ulrich H, Saunders R, **Pate RR**, Lawman HG., Hutto B, Griffin S, Zarrett N, Addy CL, Mansard L, Mixon G, Brown PV. Results of the "Active by Choice Today" (ACT) randomized trial for increasing physical activity in low-income and minority adolescents. *Health Psychology*, 2011; 30(4),463-471.
263. **Pate RR**, Trilk JL, Byun W, Wang J. Policies to increase physical activity in children and youth. *J Exerc Sci Fit*. 2011; 9(1):1-14.
262. Dowda M, Pfeiffer KA, Brown WH, Mitchell J, Byun W, **Pate RR**. Parental and environmental correlates of physical activity of children attending preschool. *Arch Pediatr Adolesc Med*, 2011 Oct; 165(10):939-44.
261. Bornstein DB, Beets MW, Byun W, Welk G, Bottai M, Dowda M, **Pate RR**. Equating accelerometer estimates of moderate-to-vigorous physical activity: in search of the Rosetta Stone. *J Sci Med Sport*. 2011 Sep; 14(5):404-10.
260. Bornstein DB, **Pate RR**. Building bridges with the National Physical Activity Plan. *Kinesiology Today*, 2011; 4(4),8.
259. Beets M, Bornstein D, Dowda M, **Pate RR**. Compliance with national guidelines for physical activity in U.S. preschoolers: Measurement and Interpretation. *Pediatrics*; 2011; 127(4),658-664.

258. Trilk JL, Ward DS, Dowda M, Pfeiffer KA, Porter DE, Hibbert J, **Pate RR**. Do physical activity facilities near schools affect physical activity in high school girls? *Health Place*, 2011; Mar; 17(2):651-7.
257. **Pate RR**, O'Neill JR, Mclver KL. Physical activity and health: Does physical education matter? *Quest*, 2011; 63(1),19-35.
256. Pfeiffer KA, Colabianchi N, Dowda M, Porter D, Hibbert J, **Pate RR**. Examining the role of churches in adolescent girls' physical activity. *J Phys Act Health*, 2011; 8:227-33.
255. Wilson DK, Van Horn ML, Ktizman-Ulrich H, Saunders R, **Pate RR**, Lawman HG, etal. Results of the Active by Choice Today (ACT) randomized trial for increasing physical activity in low income and minority adolescents. *Health Psychol*, 2011 Jul; 30(4):463-71.
254. **Pate RR**, Saunders R, O'Neill J, Dowda M. Overcoming barriers to physical activity: Helping youth be more active. *ACSM's Health & Fitness Journal*, 2011,15(1):7-12.
253. **Pate, RR**, O'Neill J. Youth sports programs: Contribution to physical activity. *Arch Pediatr Adolesc Med*, 2011 Apr; 165(4):369-70.
252. **Pate RR**, Sallis JF, Ward DS, Stevens J, Dowda M, Welk GJ, Young DR, Jobe JB, Strikmiller PK. Age-related changes in types and contexts of physical activity in middle school girls. *Am J Prev Med*, 2010 Nov; 39(5):433-9.
251. Liu JH, Mayer-Davis EJ, **Pate RR**, Gallagher AE, Bacon JL. Physical activity during pregnancy is associated with reduced fasting insulin—the Pilot Pregnancy and Active Living Study. *The Journal of Maternal-Fetal and Neonatal Medicine*, October 2010; 23(10):1249–1252.
250. Kim J, Liu J, Colabianchi N, **Pate RR**. The effect of perceived and structural neighborhood conditions on adolescents' physical activity and sedentary behaviors. *Arch Pediatr Adolesc Med*, 2010; 164(10):935-942.
249. Lobelo F, **Pate RR**, Dowda M, Liese AD, Daniels SR. Cardiorespiratory fitness and clustered cardiovascular disease risk in U.S. adolescents. *J Adolescent Health*, 2010; 47:652-359.
248. Liu J, Kim J, Colabianchi N, Ortaglia A, **Pate R**. Co-varying patterns of physical activity and sedentary behaviors and their long-term maintenance among adolescents. *J Phys Act Health*, 2010; 7:465-474.
247. Lobelo F, Liese AD, Liu J, Mayer-Davis EJ, D'Agostino RB Jr, **Pate RR**, Hamman RF, Dabelea D. Physical activity and electronic media use in the SEARCH for diabetes in youth case-control study. *Pediatrics*, 2010 Jun; 125(6):e1364-71.
246. Griffiths LJ, Dowda M, Dezateux C, **Pate RR**. Associations between sport and screen-entertainment with problems in 5-year old children. *Int J of Behavioral Nutrition and Phys Act*, 2010, 7(30).
245. **Pate RR**, Yancey AK, Kraus WE. The 2008 Physical Activity Guidelines for Americans: Implications for clinical and public health practice. *Am J LifestyleMed*, 2010 May/June; 4(3):209-217.
244. **Pate RR**, O'Neill JR, Mitchell J. Measurement of physical activity in preschool children. *Med Sci Sports Exerc*, 2010, 42(3): 508-12.

243. Kelly EB, Parra-Medina D, Pfeiffer KA, Dowda M, Conway T, Webber L, Jobe J, Going S, **Pate RR**. Psychosocial and environmental correlates of physical activity in black, Hispanic, and white middle school girls. *J Phys Act Health*, 2010, 7(2):184-193.
242. Bornstein DB, **Pate RR**, Pratt M. A review of the national physical activity plans of six countries. *J Phys Act Health*, 2009, 6(2):245-64.
241. **Pate RR**. A national physical activity plan for the United States. *J Phys Act Health*, 2009, 6(2):157-8.
240. **Pate RR**, O'Neill J, Dowda M, Saunders R, Brown WH. Physical Activity Guidelines for Americans: Implications for America's education system. *The State Education Standard*, September 2009, 31-7.
239. McIver KL, Brown WH, Pfeiffer KA, Dowda M, **Pate RR**. Assessing children's physical activity in their homes: The Observational System for Recording Physical Activity in Children: Home. *J Appl Behav Anal*, 2009; 42(1):1-16.
238. Pfeiffer KA, Dowda M, McIver K, **Pate RR**. Factors related to objectively measured physical activity in preschool children. *Pediatr Exerc Sci*, 2009; 21(2):196-208.
237. Mitchell JA, Mattocks C, Ness AR, Leary SD, **Pate RR**, Dowda M, Blair SN, Riddoch C. Sedentary behavior and obesity in a large cohort of children. *Obesity*, 2009; 17(8):1596-602.
236. Lobelo F, **Pate RR**, Dowda M, Liese AD, Ruiz JR. Validity of cardiorespiratory fitness criterion-referenced standards for adolescents. *Med Sci Sports Exerc*, 2009; 41(6):1222-9.
235. Brown WH, Pfeiffer KA, McIver KL, Dowda M, Addy C, **Pate RR**. Social and environmental factors associated with preschoolers' non-sedentary physical activity. *Child Dev*, 2009; 80(1):45-68.
234. Lobelo F, Dowda M, Pfeiffer KA, **Pate RR**. Electronic media exposure and its association with activity-related outcomes in female adolescents: Cross-sectional and longitudinal analyses. *J Phys Act Health*, 2009; 6(2):137-43.
233. Dowda M, Dishman RK, Porter D, Saunders RP, **Pate RR**. Commercial facilities, social cognitive variables, and physical activity of 12th grade girls. *Ann Behav Med*, 2009; 37(1):77-87.
232. Kuo J, Schmitz KH, Evenson KR, McKenzie TL, Jobe JB, Bedimo-Rung AL, Gittelsohn J, **Pate RR**. Physical and social contexts of physical activity among adolescent girls. *J Phys Act Health*, 2009; 6:144-52.
231. Dowda M, Brown WH, McIver KL, Pfeiffer KA, O'Neill JR, Addy CL, **Pate RR**. Policies and characteristics of the preschool environment and physical activity of young children. *Pediatrics*, 2009; 123(2):e261-6.
230. Williams HG, Pfeiffer KA, Dowda M, Jeter C, Jones S, **Pate RR**. A field-based testing protocol for assessing gross motor skills in preschool children: The CHAMPS Motor Skills Protocol (CMSP). *Measurement in Physical Education and Exercise Science*, 2009; 13(3):151-65.
229. **Pate RR**, O'Neill JR. After-school interventions to increase physical activity among youth. *Br J Sports Med*, 2009; 43:14-18.

228. **Pate RR**, Stevens J, Webber LS, Dowda M, Murray DM, Young DR, Going S. Age-related change in physical activity in adolescent girls. *J Adolesc Health*, 2009; 44:275-82.
227. **Pate RR**, O'Neill, J.R., Lobelo, F. The evolving definition of "sedentary." *Exercise and Sports Sciences Reviews*, 2008; 36(4):173-8.
226. Dishman RK, Saunders RP, Motl RW, Dowda M, **Pate RR**, Self-efficacy moderates the relation between declines in physical activity and perceived social support in high school girls. *J Pediatr Psychol*, December 1, 2008;1-11.
225. Pratt D, Webber LS, Baggett CD, Ward DS, **Pate RR**, Murray D, Lohman T, Lytle L, Elder JP. Sedentary activity and body composition of middle school girls: The Trial of Activity for Adolescent Girls. *Res Q Exerc Sport*, 2008; 79(4):458-467.
224. Liu J, Laditka JN, Mayer-Davis EJ, **Pate RR**. Does physical activity during pregnancy reduce risk of gestational diabetes among previously inactive women? *Birth*, 2008; 35(3):189-196.
223. **Pate RR**, McIver K, Dowda M, Brown WH, Addy C. Directly-observed physical activity levels in preschool children. *Journal of School Health*. 2008; 78(8):438-44.
222. Matthews CE, Chen KY, Freedson PS, Buchowski MS, Beech BM, **Pate RR**, Troiano RP. Amount of time spent in sedentary behaviors in the United States, 2003-2004. *American Journal of Epidemiology*, 2008 Apr 1; 167(7):875-81.
221. Sirard JR, Pfeiffer KA, Dowda M, **Pate RR**. Race differences in activity, fitness, and BMI in female eighth graders categorized by sports participation status. *Pediatric Exercise Science*, 2008; 20(2):198-210.
220. **Pate RR**. Physically active video gaming: An effective strategy for obesity revention. *Arch Pediatr Adolesc Med*, 2008; 162(9):895-6.
219. **Pate RR**, Colabianchi N, Porter D, Almeida MJ, Lobelo F, Dowda M. Relationships between physical activity and neighborhood resources in high school girls. *American Journal of Preventive Medicine*, 2008; 34(5):413-419.
218. Webber LS, Catellier DJ, Lytle LA, Murray DM, Pratt CA, Young DR, Elder JP, Lohman TG, Stevens J, Jobe JB, **Pate RR**. Promoting physical activity in middleschool girls: Trial of Activity for Adolescent Girls. *American Journal of Preventive Medicine*, 2008; 34(3):173-84.
217. **Pate RR**. O'Neill JR. Summary of the American Heart Association Scientific Statement: Promoting Physical Activity in Children and Youth: A Leadership Role for Schools. *Journal of Cardiovascular Nursing*, 2008; 23(1):44-49.
216. Dowda M, Pfeiffer KA, Dishman RK, **Pate RR**. Associations among physical activity, health indicators, and employment in 12th grade girls. *Journal of Women's Health*, 2007; 16:1331-1339.
215. Pfeiffer KA, Dowda M, Dishman RK, Sirard JR, **Pate RR**. Cardiorespiratory fitness in girls: Change from middle to high school. *Medicine and Science in Exercise and Sport*, 2007; 39:2234-2241.
214. Colabianchi N, Dowda M, Pfeiffer K, Porter D, Almeida M, **Pate RR**. Towards and understanding of salient neighborhood boundaries: Adolescent reports of an easy walking distance and convenient driving distance. *The International Journal of Behavioral Nutrition and Physical Activity*, 2007; 4:66.

213. Dowda M, **Pate RR**, Sallis JF, Freedson PS, Taylor WC, Sirard JC, Trost SG. Agreement between student-reported and proxy-reported physical activity questionnaires. *Pediatric Exercise Science*, 2007; 19(3):310-8.
212. **Pate RR**, Ward DS, O'Neill JR, Dowda M. Enrollment in physical education is associated with overall physical activity in adolescent girls. *Research Quarterly for Exercise and Sport*, 2007; 78(4):265-70.
211. **Pate RR**, Saunders R, Dishman RK, Addy C, Dowda M, Ward DS. Long-term effects of a physical activity intervention in high school girls. *American Journal of Preventive Medicine*, 2007; 33(4):276-80.
210. Stevens J, Murray DM, Baggett CD, Elder JP, Lohman TG, Lytle LA, **Pate RR**, Pratt CA, Treuth MS, Webber LS, Young DR. Objectively assessed associations between physical activity and body composition in middle-school girls: the trial of activity for adolescent girls. *American Journal of Epidemiology*, 2007; 166(11):1298-305.
209. Haskell WL, Lee IM, **Pate RR**, Powell KE, Blair SN, Franklin BA, Marcera CA, Heath GW, Thompson PD, Bauman A. Physical activity and public health: updated recommendation for adults from the American College of Sports Medicine and the American Heart Association. *Medicine & Science in Sports & Exercise*, 2007; 39(8):1423-34.
208. Treuth MS, Catellier DJ, Schmitz K, **Pate RR**, Elder JP, McMurray RG, Blew RM, Yang S, Webber L. Weekend and weekday patterns of physical activity in overweight and normal-weight adolescent girls. *Obesity*, 2007; 15:1782-1788.
207. **Pate RR**, O'Neill JR. American women in the marathon. *Sports Medicine*, 2007; (4-5):294-298.
206. Motl RW, Dishman RK, Saunders RP, Dowda M, **Pate RR**. Perceptions of physical and social environment variables and self-efficacy as correlates of self-reported physical activity among adolescent girls. *Journal of Pediatric Psychology*, 2007; 32(1):6-12.
205. Pate RR, Dowda M, O'Neill JR, Ward DS. Change in physical activity participation among adolescent girls from 8th to 12th grade. *Journal of Physical Activity and Health*, 2007; 4(1):3-16.
204. Dowda M, Dishman RK, Pfeiffer KA, **Pate RR**. Family support for physical activity in girls from 8<sup>th</sup> to 12<sup>th</sup> grade in South Carolina. *Preventive Medicine*, 2007; 44: 153-159.
203. Dishman RK, Saunders RP, Felton G, Ward DS, Dowda M, **Pate RR**. Goals and intentions mediate efficacy beliefs and declining physical activity in highschool girls. *American Journal of Preventive Medicine*, 2006; 31(6):475-83.
202. Ward DS, Saunders R, Felton GM, Williams E, Epping JN, **Pate RR**. Implementation of a school environment intervention to increase physical activity in high school girls. *Health Education Research*, 2006; 21(6):896-910.
201. Saunders RP, Ward D, Felton GM, Dowda M, **Pate RR**. Examining the link between program implementation and behavior outcomes in the lifestyle education for activity program (LEAP). *Evaluation and Program Planning*, 2006; 29:352-364.
200. **Pate RR**, Stevens J, Pratt C, Sallis JF, Schmitz KH, Webber LS, Welk G, Young DR. Objectively measured physical activity in sixth-grade girls. *Arch Pediatr Adolesc Med*, 2006;160(12):1262-8.

199. **Pate RR**, Almeida MJ, McIver KL, Pfeiffer KA, Dowda M. Validation and calibration of an accelerometer in preschool children. *Obesity*, 2006; 14(11):2000-6.
198. **Pate RR**, Wang CY, Dowda M, Farrell SW, O'Neill JR. Cardiorespiratory fitness levels among US youth 12 to 19 years of age. *Arch Pediatr Adolesc Med*, 2006; 160:1005-1012.
197. Pfeiffer KA, Dowda M, Dishman RK, McIver KL, Sirard JR, Ward DS, **Pate RR**. Sport participation and physical activity in adolescent females across a four-year period. *Journal of Adolescent Health*, 2006; 39:523-9.
196. **Pate RR**, Davis GG, Robinson TN, Stone EJ, McKenzie TL, Young JC. Promoting physical activity in children and youth: a leadership role for schools: a scientific statement from the American Heart Association Council on Nutrition, Physical Activity, and Metabolism (Physical Activity Committee) in collaboration with the Councils on Cardiovascular Disease in the Young and Cardiovascular Nursing. *Circulation*, 2006; 114(11):1214-24.
195. Sirard JR, Pfeiffer KA, **Pate RR**. Motivational factors associated with sports program participation in middle school students. *The Journal of Adolescent Health*, 2006; 38(6):696-703.
194. Brown WH, Pfeiffer KA, McIver KL, Dowda M, Almeida MJ CA, **Pate RR**. Assessing preschool children's physical activity: the Observational System for Recording Physical Activity in Children-Preschool version. *Research Quarterly for Exercise and Sport*, 2006; 77(2):167-76.
193. Dishman RK, Hales DP, Pfeiffer KA, Felton GA, Saunders R, Ward DS, Dowda, M, **Pate RR**. Physical self-concept and self-esteem mediate cross-sectional relations of physical activity and sport participation with depression symptoms among adolescent girls. *Health Psychology*, 2006; 25(3):396-407.
192. Pfeiffer KA, Schmitz KH, McMurray RG, Treuth MS, Murray DA, **Pate RR**. Physical activities in adolescent girls: variability in energy expenditure. *American Journal of Preventive Medicine*, 2006; 31(4).
191. Ward DS, Dowda M, Trost SG, Felton GM, Dishman RK, **Pate RR**. Physical activity correlates in adolescent girls who differ by weight status. *Obesity*, 2006;14(1):97-105.
190. Hales DP, Dishman RK, Motl RW, Addy C, Pfeiffer KA, **Pate RR**. Factorial validity and invariance of the Center for Epidemiologic Studies Depression (CES-D) Scale in a sample of black and white adolescent girls. *Ethnicity & Disease*, 2006;16:1-8.
189. Pfeiffer KA, McIver KL, Dowda M, Almeida MJ, **Pate RR**. Validation and calibration of the Actical Accelerometer in preschool children. *Medicine & Science in Sports & Exercise*, 2006; 38(1):152-7.
188. Sirard JR, Riner WF Jr, McIver KL, **Pate RR**. Physical activity and active commuting to elementary School. *Medicine & Science in Sports & Exercise*, 2005; 37(12):2062-9.
187. Trost SG, McIver KL, **Pate RR**. Conducting accelerometer-based activity assessments in field-based research. *Medicine & Science in Sports & Exercise*, 2005; 37(11 Suppl):S531-43.
186. Motl RW, Dishman RK, Ward DS, Saunders RP, Dowda M, Felton G, **Pate RR**. Perceived physical environment and physical activity across one year among adolescent girls: Self efficacy as a possible mediator? *Journal of Adolescent Health*, 2005; 37(5):403-8.

185. Wilson DK, Evans AE, Williams J, Mixon G, Sirard JR, **Pate RR**. A preliminary test of a student-centered intervention on increasing physical activity in underserved adolescents. *Annals of Behavioral Medicine*, 2005; 30(2):119-24.
184. Davis PG, Ferguson MA, Alderson NL, **Pate RR**, Bodary PF, Durstine JL. Effects of exercise duration on plasma endothelin-1 concentration. *The Journal Of Sports Medicine and Physical Fitness*, 2005; 45(3):419-23.
183. Williams PT, **Pate RR**. Cross-sectional relationships of exercise and age to adiposity in 60,617 Male Runners. *Medicine & Science in Sports & Exercise*, 2005; 37(8):1329-37.
182. **Pate RR**, Ward DS, Saunders RP, Felton G, Dishman RK, Dowda M. Promotion of physical activity in high school girls: A randomized controlled trial. *American Journal Public Health*, 2005; 95(9):1582-87.
181. Matthews CE, Ainsworth BE, Hanby C, **Pate RR**, Addy C, Freedson PS, Jones DA, Macera CA. Development and testing of a short physical activity recall questionnaire. *Medicine & Science in Sports & Exercise*, 2005; 37(6):986-94.
180. Sirard JR, Trost SG, Pfeiffer K A, Dowda M, **Pate RR**. Calibration and evaluation of an objective measure of physical activity in preschool children. *Journal of Physical Activity and Health*, 2005; 2(3):345-357.
179. Troped PJ, Saunders RP, **Pate RR**. Comparisons between Rail-Trail users and nonusers and men and women's patterns of use in a suburban community. *Journal of Physical Activity and Health*, 2005; 2(2):169-180.
178. Felton G, Saunders RP, Ward DS, Dishman RK, Dowda M, **Pate RR**. Promoting physical activity in girls: A case study of one school's success. *Journal of School Health*, 2005; 75(2):57-62.
177. Franks AL, Brownson RC, Bryant C, Brown KM, Hooker SP, Pluto DM, Shepard DM, **Pate RR**, Baker EA, Gillespie KN, Leet TL, Oneall MA, Simoes EJ. Prevention research centers: contributions to updating the public health workforce through training. *Preventing Chronic Disease*, 2005; 2(2).
176. Dishman RK, Motl RW, Saunders R, Felton G, Ward DS, Dowda M, **Pate RR**. Enjoyment mediates effects of school-based physical-activity intervention. *Medicine & Science in Sports & Exercise*, 2005; 37(3):478-487.
175. Sirard JR, Ainsworth BE, McIver KL, **Pate RR**. Prevalence of active commuting at urban and suburban elementary schools in Columbia, SC. *American Journal of Public Health*, 2005; 95(2):236-237.
174. Motl RW, Dishman RK, Ward DS, Saunders RP, Dowda M, Felton G, **Pate RR**. Comparison of Barriers Self-Efficacy and Perceived Behavioral control for explaining physical activity across 1 year among adolescent girls. *Health Psychology*, 2005; 24(1).
173. McMurray RG, Ring KB, Treuth MS, Welk GJ, **Pate RR**, Schmitz KH, Pickrel JL, Gonzalez V, Almeida MJ CA, Young DR, Sallis JF. Comparison of two approaches to structured physical activity surveys for adolescents. *Medicine & Science in Sports & Exercise*, 2004; 2135-2143.
172. Dowda M, **Pate RR**, Felton GM, Saunders R, Ward DS, Dishman RK, Trost SG. Physical activities and sedentary pursuits in African American and Caucasiangirls. *Research Quarterly for Exercise and Sport*, 2004; 75(4):352-360.

171. **Pate RR**, Pfeiffer KA, Trost SG, Zeigler P, Dowda M. Physical Activity Among Children Attending Preschools. *Pediatrics*, 2004; 114(5):1258-63.
170. Saunders RP, Motl RW, Dowda M., Dishman RK, **Pate RR**. Comparison of social variables for understanding physical activity in adolescent girls. *American Journal of Health Behavior*, 2004; 28(5):426-436.
169. **Pate RR**, Durstine JL. Exercise physiology and its role in clinical sports medicine. *Southern Medical Journal*, 2004; 97(9):881-5.
168. Motl RW, Dishman RK, Dowda M, **Pate RR**. Factorial validity and invariance of a self-report measure of physical activity among adolescent girls. *Research Quarterly for Exercise and Sport*, 2004; 75(3):259-271.
167. Motl RW, Dishman RK, Saunders RP, Dowda M, **Pate RR**. Measuring social provisions for physical activity among adolescent black and white girls. *Educational and Psychological Measurement*, 2004; 64(4):682-706.
166. Treuth MS, Schmitz K, Catellier DJ, McMurray RG, Murray DM, Almeida MJ, Going S, Norman JE, **Pate RR**. Defining accelerometer thresholds for activity intensities in adolescent girls. *Medicine & Science in Sports & Exercise*, 2004; 36(7):1259-66.
165. Dishman RK, Motl RW, Saunders R, Felton G, Ward DS, Dowda M, **Pate RR**. Self-efficacy partially mediates the effect of a school-based physical-activity intervention among adolescent girls. *Preventive Medicine*, 2004; 38:628-636.
164. Dowda M, **Pate RR**, Trost SG, Almeida JC A, Sirard JR. Influences of preschool policies and practices on children's physical activity. *Journal of Community Health*, 2004; 29(3):183-196.
163. Morgan DW, **Pate RR**. Could the correlation between maximal oxygen uptake and "economy" be spurious? *Medicine & Science in Sports & Exercise*, 36(2):345.
162. Bodary PF, Yasuda N, Watson DD, Brown AS, Davis JM, **Pate RR**. Effects of short-term exercise training on Plasminogen Activator Inhibitor (PAI-1). *Medicine Science Sports Exercise*, 2003; 35(11):1853-8.
161. Trost SG, Sallis JF, **Pate RR**, Freedson PS, Taylor WC, Dowda M. Evaluating a model of parental influence on youth physical activity. *American Journal of Preventive Medicine*, 2003; 25(4):277-82.
160. Troped PJ, Saunders RP, **Pate RR**, Reininger B, Addy CL. Correlates of recreational and transportation physical activity among adults in a New England community. *Prevention Medicine*, 2003; 37(4):304-10.
159. **Pate RR**, Ross R, Dowda M, Trost SG, Sirard JR. Validation of a 3-day physical activity recall instrument in female youth. *Pediatric Exercise Science*, 2003; 15:257-265.
158. Trost SG, Sirard JR, Dowda M, Pfeiffer KA, **Pate RR**. Physical activity in Overweight and non overweight preschool children. *International Journal of Obesity and Related Metabolic Disorders*, 2003; 27:834-839.

157. Thompson PD, Buchner D, Pina IL , Balady GJ, Williams MA, Marcus BH, Berra K, Blair SN, Costa F, Franklin B, Fletcher GF, Gordon NF, **Pate RR**, Rodriguez BB, Yancey AK, Wenger NK. Exercise and physical activity in the prevention and treatment of atherosclerotic cardiovascular disease. *Circulation*, Jun 2003; 107:3109-16.
156. **Pate RR**, Saunders RP, Ward DS, Felton G, Trost SG, Dowda M. Evaluation of a community-based intervention to promote physical activity in youth: lessons from active winners. *American Journal of Health Promotion*, Jan/Feb 2003; 17(3):171-82.
155. Motl RW, Dishman RK, Felton G, **Pate RR**. Self-motivation and physical activity among black and white adolescent girls. *Medicine and Science in Sports and Exercise*, Jan 2003; 35(1):128-36.
154. Taylor WC, Sallis FF, Dowda M, Freedson PS, Eason K, **Pate RR**. Activity correlates among youth: differences by weight status. *Pediatric Exercise Science*, Nov 2002; 14(4):418-431.
153. Motl RW, Dishman RK, Ward DS, Saunders RP, Dowda M, Felton G, **Pate RR**. Examining social-cognitive determinants of intention and physical activity among black and white adolescent girls using structural equation modeling. *Health Psychology*, 2002; 21(5):459-46.
152. Irwin ML, Ainsworth BE, Mayer-Davis EJ, Addy CL, **Pate RR**, Durstine JL. Physical activity and the metabolic syndrome in a tri-ethnic sample of women. *Obesity Research*, Oct 2002; 10(10):1030-7.
151. Trost SG, **Pate RR**, Dowda M, Ward DS, Felton G, Saunders R. Psychosocial correlates of physical activity in white and African-American girls. *Journal of Adolescent Health*, 2002; 31(3):226-33.
150. Felton G, Dowda M, Ward DS, Dishman RK, Trost SG, Saunders R, **Pate RR**. Differences in physical activity between black and white girls living in rural and urban Areas. *Journal of School Health*, 2002; 72(6):250-255.
149. **Pate RR**, Freedson PS, Sallis JF, Taylor WC, Sirard J, Trost SG, Dowda M. Compliance with physical activity guidelines: prevalence in a population of children and youth. *Annals of Epidemiology*, 2002; 12(5):303-308.
148. Lewis BA, Marcus BH, **Pate RR**, Dunn AL. Psychosocial mediators of physical activity behavior among adults and children. *American Journal of Preventive Medicine*, 2002; 23(2S):26-35.
147. Trost SG, **Pate RR**, Sallis JF, Freedson PS, Taylor WC, Dowda M, Sirard J. Age and gender differences in objectively measured physical activity in youth. *Medicine & Science in Sports & Exercise*, 2002; 34(2):350-5.
146. Sallis JF, Taylor WC, Dowda M, Freedson PS, **Pate RR**. Correlates of vigorous physical activity for children in grades 1 Through 12: comparing parent-reported and objectively measured physical activity. *Pediatric Exercise Science*, 2002; 14(1):30-44.
145. Motl RW, Dishman RK, Saunders R, Dowda M, Felton G, **Pate RR**. Measuring enjoyment of physical activity in adolescent girls. *American Journal of Preventive Medicine*, 2001; 21(2).
144. Trost SG, Kerr LM, Ward DS, **Pate RR**. Physical activity and determinants of physical activity in obese and non-obese children. *International Journal of Obesity and Related Metabolic Disorders: Journal of the International Association for the Study of Obesity*. 2001; 25(6):822-9.

143. Harnish CR, Swenten TC, **Pate RR**. Methods for estimating the maximal lactate steady state in trained cyclists. *Medicine and Science in Sports and Exercise*.2001; 33(6):1052-5.
142. Brown DR, **Pate RR**, Pratt M, Wheeler F, Buchner D, Ainsworth B, Macera C. Physical activity and public health: training courses for researchers and practitioners. *Public Health Reports*, May-Jun 2001; 116:197-202.
141. Economos CD, Brownson RC, DeAngelis MA, Novelli P, Foerster SB, Foreman CT, Gregson J, Kumanyika SK, **Pate RR**. What lessons have been learned from other attempts to guide social change? *Nutrition Reviews*, Mar 2001; 59(3:11):S40-S56.
140. Dishman RK, Motl RW, Saunders RP, Dowda M, Felton G, Ward DS, **Pate RR**. Factorial invariance and latent mean structure of questionnaires measuring social-cognitive determinants of physical activity among black and white adolescent girls. *Preventive Medicine*, 2001; 34:100-108.
139. Sirard JR, **Pate RR**. Physical activity assessment in children and adolescents. *Sports Medicine*, 2001; 31(6):439-54.
138. Troped PJ, Saunders RP, **Pate RR**, Reiningger B, Ureda JR, Thompson SJ. Associations between self-reported and objective physical environmental factors and use of a community rail-trail. *Preventive Medicine*, 2001; 31:191-200.
137. Ott AE, **Pate RR**, Trost SG, Ward DS, Saunders R. The use of uniaxial and accelerometers to measure children's "free-play" physical activity. *Pediatric Exercise Science*, 2000; 12:360-70.
136. Motl RW, Dishman RK, Trost SG, Saunders RP, Dowda M, Felton G, Ward DS, **Pate RR**. Factorial validity and invariance of questionnaires measuring social-cognitive determinants of physical activity among adolescent girls. *Preventive Medicine*, 2000; 31:584-94.
135. Irwin ML, Mayer-Davis EJ, Addy CL, **Pate RR**, Durstine JL, Stolarczyk LM, Ainsworth BE. Moderate-intensity physical activity and fasting insulin levels in women: The cross-cultural activity participation study. *Diabetes Care*, 2000; 23(4):449-454.
134. **Pate RR**, Trost SG, Levin S, Dowda M. Sports participation and health-related behaviors among U.S. youth. *Archives of Pediatric and Adolescent Medicine*, 2000; 154(9):904-11.
133. **Pate RR**, Trost SG, Mullis R, Sallis JF, Wechsler H, Brown DR. Community interventions to promote proper nutrition and physical activity among youth. *Preventive Medicine*, 2000; 31:S138-S149.
132. Trost SG, Morgan AM, Saunders R, Felton G, Ward DS, **Pate RR**. Children's understanding of the concept of physical activity. *Pediatric Exercise Science*, 2000; 12(3):293-9.
131. Branch JD, **Pate RR**, Bourque SP. Moderate intensity exercise training improves cardiorespiratory fitness in women. *Journal of Women's Health & Gender-Based Medicine*, 2000; 9(1):65-73.
130. Bungum T, Dowda M, Weston A, Trost SG, **Pate RR**. Correlates of physical activity in male and female youth. *Pediatric Exercise Science*, 2000; 12:71-9.
129. Trost SG, Ward DS, McGraw B, **Pate RR**. Validity of the previous day physical activity recall (PDPAR) in fifth-grade children. *Pediatric Exercise Science*, 1999; 11:341-8.

128. Branch JD III, **Pate RR**, Bourque SR, Convertino VA, Durstine JL, Ward DS. Exercise training and intensity does not alter vascular volume responses in women. *Aviation, Space, and Environmental Medicine*, 1999; 70(11):1070-1076.
127. Trost SG, **Pate RR**, Freedson PS, Sallis JF, Taylor WC. Using objective physical activity measures with youth: How many days of monitoring are needed? *Medicine & Science in Sports & Exercise*, 1999; 32(2):426-431.
126. **Pate RR**, Trost SG, Dowda M, Ott AE, Ward DS, Saunders R, Felton G. Tracking of physical activity, physical inactivity, and health-related physical fitness in rural youth. *Pediatric Exercise Science*, 1999; 11(4):364-376.
125. Trost SG, **Pate RR**, Ward DS, Saunders R, Riner W. Determinants of physical activity in active and low-active, sixth grade African-American youth. *Journal of School Health*, 1999; 69:29-34.
124. Felton GM, Parsons MA, Ward DS, **Pate RR**, Saunders RP, Dowda M, Trost SG. Tracking of avoidance of alcohol use and smoking behavior in a fifth grade cohort over three years. *Public Health Nursing*, 1999; 16:32-40.
123. Trost SG, **Pate RR**, Ward DS, Saunders R, Riner W. Correlates of objectively measured physical activity in preadolescent youth. *American Journal of Preventive Medicine*, 1999; 17(2):120-6.
122. **Pate RR**, Bodary PF, Quoing FW. Effects of acute exercise on plasma erythropoietin levels in trained runners. *Medicine and Science in Sports and Exercise*, 1999; 31(4):543-6.
121. Bungum T, **Pate RR**, Dowda M, Vincent M. Correlates of physical activity among African-American and Caucasian female adolescents. *American Journal of Health Behavior*, 1999; 23(1):25-31.
120. **Pate RR**, Trost SG. American kids: A physically active future? *American College of Sports Medicines Health and Fitness Journal*, 1999; 2(6):18-23.
119. **Pate RR**, Trost SG, Williams C. Critique of existing guidelines for physical activity in youth. *Young and Active*, 1998; Health Education Authority: London, England.
118. Valois RF, Dowda M, Trost S, Weinrich M, Felton G, **Pate RR**. Cigarette Smoking experimentation among rural fifth grade students. *American Journal of Health Behavior*, 1998; 22(2):101-7.
117. Felton GM, **Pate RR**, Parsons MA, Ward DS, Saunders RP, Trost S, Dowda M. Health risk behaviors of rural sixth graders. *Research in Nursing & Health*, 1998; 21(6):475-85.
116. Branch JD III, **Pate RR**, Bodary PF, Convertino Va. Red cell volume and [erythropoietin] responses during exposure to simulated microgravity. *Aviation, Space, and Environmental Medicine*, 1998; 69(3):001-005.
115. Kohut ML, Davis JM, Jackson DA, Colbert LH, Strasner A, Essig DA, **Pate RR**, Ghaffar A, Mayer EP. The role of stress hormones in exercise-induced suppression of alveolar macrophage antiviral function. *Journal of Neuroimmunology*, 1998; 81(1-2):193-200.
114. Matthews CE, **Pate RR**, Jackson KL, Ward DS, Macera CA, Kohl HW, Blair SN. Exaggerated blood pressure response to dynamic exercise and risk of future hypertension. *Journal of Clinical Epidemiology*, 1998; 51(1):29-35.

113. Bourque SP, **Pate RR**, Branch D. Twelve weeks of endurance exercise training does not affect iron status measures in women. *Journal of American Dietetic Association*, 1997; 97(10):1116-21.
112. Ward DS, Trost SG, Felton G, Saunders R, Parsons MA, Dowda M, **Pate RR**. Physical activity and physical fitness in African-American girls with and without obesity. *Obesity Research*, 1997; 5(6):572-7.
111. Branch JD III, **Pate RR**, Bourque SP, Convertino VA, Durstine JL, Ward DS. Effects of exercise mode on hematologic adaptations to endurance training in adult females. *Aviation, Space, and Environmental Medicine*, 1997; 68(9):788-94.
110. **Pate RR**, Trost SG, Felton GM, Ward DS, Dowda M, Saunders R. Correlates of physical activity behavior in rural youth. *Research Quarterly for Exercise and Sport*, 1997; 68(3):241-8.
109. Strasner A, Davis JM, Kohut ML, **Pate RR**, Ghaffar A, Mayer E. Effects of exercise intensity on natural killer cell activity in women. *International Journal of Sports Medicine*, 1997; 18(1):56-61.
108. Weston AT, Petosa R, **Pate RR**. Validation of an instrument for measurement of physical activity in youth. *Medicine & Science in Sports & Exercise*, 1997; 29(1):138-43.
107. Saunders RP, **Pate RR**, Felton G, Dowda M, Weinrich MC, Ward DS, Parson MA, Baranowski T. Development of questionnaires to measure influences on children's physical activity. *Preventive Medicine*, 1997; 26:241-7.
106. Trost SG, **Pate RR**, Saunders R, Ward DS, Dowda M, Felton G. A prospective study of the determinants of physical activity in rural fifth grade children. *Preventive Medicine*, 1997; 26:257-63.
105. Szymanski LM, Durstine JL, Davis PG, **Pate RR**. Factors affecting fibrinolytic potential: Cardiovascular fitness, body composition, and LP(a). *Metabolism*, 1996; 45(11):1427-33.
104. **Pate RR**, Heath GW, Dowda M, Trost SG. Associations between physical activity and other health behaviors in a representative sample of US adolescents. *American Journal of Public Health*, 1996; 86:1577-81.
103. Felton G, Parsons MA, **Pate RR**, Ward D, Saunders RP, Valois RF, Dowda M, Weinrich MC. Predictors of alcohol use among rural adolescents. *Journal of Rural Health*, 1996; 12:378-85.
102. Durstine JL, Ferguson MA, Szymanski LM, Davis PG, Alderson NL, Trost SG, **Pate RR**. Effect of a single session of exercise on lipoprotein(a). *Medicine and Science in Sports and Exercise*, 1996; 28(10):1277-81.
101. Trost S, **Pate RR**, Dowda M, Ward D, Felton G. Gender differences in physical activity and determinants of physical activity in rural fifth grade children. *Journal of School Health*, 1996; 66(4):145-50.
100. **Pate RR**, Baranowski T, Dowda M, Trost SG. Tracking of physical activity in young children. *Medicine and Science in Sports and Exercise*, 1996; 28:92-6.

99. **Pate RR**. Promoting Activity and Fitness. In LWY Cheung & JB Richmand (Eds.) Child Health Nutrition and Physical Activity, 1995; Champaign, IL: Human Kinetics, 139-45.
98. Winnail SD, Valois RF, McKeown RE, Saunders RP, **Pate RR**. Relationship between physical activity level and cigarette, smokeless tobacco, and marijuana use among public high school adolescents. *Journal of School Health*, 1995; 65(10):438-42.
97. **Pate RR**. Physical activity and health: Dose-response issues. *Research Quarterly for Exercise and Sport*, 1995; 66(4):313-7.
96. **Pate RR**. Recent statements and initiatives on physical activity and health. *Quest*, 1995; 47:304-10.
95. **Pate RR**, Small ML, Ross JG, Young JC, Flint KH, Warren CW. School physical education. *Journal of School Health*, 1995; 65:312-8.
94. **Pate RR**, Pratt M, Blair S, Haskell W, Macera C, et al. Physical activity and public health: a recommendation from the Centers for Disease Control and Prevention and The American College of Sports Medicine. *JAMA*, 1995; 273(5):402-7.
93. **Pate RR**, Matthews C, Alpert BS, Strong WB, DuRant RH. Systolic blood pressure response to exercise in black and white preadolescent and early adolescent boys. *Archives of Pediatrics and Adolescent Medicine*, 1994; 148:1027-31.
92. Szymanski LM, **Pate RR**. Fibrinolytic responses to moderate intensity exercise. *Arteriosclerosis and Thrombosis*, 1994; 14:1746-50.
91. **Pate RR**, Long BJ, Heath G. Descriptive epidemiology of physical activity in adolescents. *Pediatric Exercise Science*, 1994; 6:434-47.
90. Szymanski LM, **Pate RR**. Effects of exercise intensity, duration, and time of day on fibrinolytic activity in physically active men. *Medicine and Science in Sports and Exercise*, 1994; 26(9):1102-8.
89. Szymanski LM, **Pate RR**, Durstine JL. Effects of maximal exercise and venous occlusion on fibrinolytic activity in physical active and inactive. *Journal of Applied Physiology*, 1994; 77(5):2305-10.
88. Bartoli WP, Slentz CA, Murdoch SD, **Pate RR**, Davis JM, Durstine JL. Effects of a 12-week racquetball program on maximal oxygen consumption, body composition and blood lipoproteins. *Sports Medicine, Training and Rehabilitation*, 1994; 5:157-64.
87. Woods JA, Davis JM, Kohut ML, Ghaffar A, Mayer EP, **Pate RR**. Effects of exercise on the immune response to cancer. *Medicine and Science in Sports and Exercise*, 1994; 26(9):1109-15.
86. Woods JA, Davis JM, Mayer EP, Ghaffar A, **Pate RR**. Effects of exercise on Macrophage activation for antitumor cytotoxicity. *Journal of Applied Physiology*, 1994; 76(5):2177-85.
85. Spelman CC, **Pate RR**, Macera CA, Ward DS. Self -selected exercise intensity of habitual walkers. *Medicine and Science in Sports and Exercise*, 1993; 25(10):1174-9.
84. Falls HB, **Pate RR**. Status of physical fitness in US children. *Healthy From the Start: New Perspectives on Childhood Fitness*, 1993; 3-23.

83. Bartoli WP, Davis JM, **Pate RR**, Ward DS, Watson PD. Weekly variability in total body water and hydrostatic weight. *Medicine and Science in Sports and Exercise*, 1993; 25(12):1422-8.
82. **Pate RR**, Miller BJ, Davis JM, Slentz CA, Klingshirn LA. Iron status of female runners. *International Journal of Sports Nutrition*, 1993; 3:222-31.
81. **Pate RR**. Physical activity assessment in children and adolescents. *Critical Reviews In Food Science and Nutrition*, 1993; 33:321-6.
80. **Pate RR**. Physical activity in children and youth: relationship to obesity. *Contemporary Nutrition*, 1993; 18(2):1-2.
79. **Pate RR**, Dowda M. Physical activity behavior in South Carolina youth. *The Journal of the South Carolina Medical Association*, 1993; 371-6.
78. **Pate RR**, Burgess ML, Woods JA, Ross JG, Baumgartner TA. Validity of field tests of upper body muscular strength and endurance. *Research Quarterly for Exercise and Sport*, 1993; 64(1):17-24.
77. Woods JA, Davis JM, Mayer EP, Ghaffar A, **Pate RR**. Exercise increases inflammatory macrophage antitumor cytotoxicity. *Journal of Applied Physiology*, 1993; 75:879-86.
76. **Pate RR**, Szymanski L. Aerobic fitness programs. In: Dougherty, N.J. *Principles of Safety in Physical Education and Sport*, 1993; Reston, VA: AAHPERD.
75. **Pate RR**. Health fitness. In: Dougherty, N.J., *Physical Activity and Sport for the Secondary School Student*, 1993; Reston, VA: AAHPERD.
74. **Pate RR**, Branch D. Aerobic fitness. In: Dougherty, N.J. *Physical Activity and Sport for the Secondary Schools Student*, 1993; Reston, VA: AAHPERD.
73. Baranowski T, Bouchard C, Bar-Or O, Bricker T, Heath G, Kimm S YS, Malina R, Obarzanek E, **Pate RR**, Washington R. Assessment, prevalence, and cardiovascular benefits of physical activity and fitness in youth. *Medicine and Science in Sports and Exercise*, 1992; 24(6):S237-S247.
72. **Pate RR**, Branch JD. Training for endurance sport. *Medicine and Science in Sports and Exercise*, 1992; 24(9):340-3.
71. **Pate RR**. Training secrets of the scientists. *Runner's World*, Nov 1992; 44-50.
70. Woods JA, **Pate RR**, Burgess ML. Correlates to performance on field tests of muscular strength. *Pediatric Exercise Science*, 1992; 302-11.
69. **Pate RR**, Macera CA, Bailey SP, Bartoli WP, Powell KE. Physiological, anthropometric and training correlates of running economy in habitual runners. *Medicine and Science in Sports and Exercise*, 1992; 24(10):1128-33.
68. Klingshirn L, **Pate RR**, Bourque SP, Davis JM, Sargent RG. Effect of dietary iron supplementation on endurance performance in iron depleted female runners. *Medicine and Science in Sports and Exercise*, 1992; 24(7):819-24.
67. Attaway R, Bartoli WP, **Pate RR**, Davis JM. Physiologic and perceptual responses to exercise on a new cycle ergometer. *Canadian Journal of Sports Science*, 1992; 17(1):56-9.

66. Macera CA, **Pate RR**, Woods J, Davis DR, Jackson KL. Post race morbidity among runners. *American Journal of Preventive Medicine*, 1991; 7(4):194-8.
65. Bailey SP, **Pate RR**. Feasibility of improving running economy. *Sports Medicine*, 1991; 12(4):228-36.
64. **Pate RR**. Health-related measures of children's physical fitness. *Journal of School Health*, 1991; 61(5):231-3.
63. Szymanski L, **Pate RR**, Dowda M, Blair SN, Howe HG, Parker G, Blair A. A comparison of questionnaire and physiological data in predicting future chronic disease risk factor status in an employee population. *American Journal of Health Promotion*, 1991; 5(4):298-304.
62. Blair SN, Dowda M, **Pate RR**, Kronenfeld J, Howe HG, Parker G, Blair A, Fridinger F. Reliability of long term recall of participation in physical activity by middle- aged men and women. *American Journal of Epidemiology*, 1991; 133(3):266-75.
61. Heath GW, Ford ES, Craven TE, Macera CA, Jackson KL, **Pate RR**. Exercises and the incidence of upper respiratory tract infections. *Medicine and In Science Sports and Exercise*, 1991; 23(2):152-157.
60. **Pate RR**. Health and fitness through physical education: Research directions for the 1990s. *The Academy Papers*, 1991; 24:62-9.
59. **Pate RR**, Burgess ML, Sargent R, Baldwin C. Dietary intake of women runners. *International Journal of Sports Medicine*, 1990; 11(6):461-6.
58. Cokkinedes VE, Macera CA, **Pate RR**. Menstrual dysfunction among habitual runners. *Women and Health*, 1990; 16(2):53-64.
57. **Pate RR**, Ross JM, Dowda M. Associations between physical activity and physical fitness in American children. *Journal of Diseases of Children*, 1990; 144:1123-9.
56. **Pate RR**, Ward DS. Endurance exercise trainability in children and youth. In: W.A.Grana, et al., *Advances in Sports Medicine and Fitness Vol. 3*, 1990; Chicago; Year Book Medical Publishers, Inc.
55. Slentz C, Davis JM, Settles DC, **Pate RR**, Settles SJ. Glucose feedings and exercise in rats: glycogen use, hormone responses and performance. *Journal of Applied Physiology*, 1990; 69(3):944-89.
54. **Pate RR**, Shephard RJ. Characteristics of physical fitness in youth. In: C. Gisolfi and D. Lamb, eds. *Perspectives in Exercise Science and Sports Medicine, Volume 2: Youth, Exercise and Sport*, 1989; Indianapolis: Benchmark Press, Inc.
53. Macera CA, **Pate RR**, Powell KE, Jackson KL, Kendrick JS, Craven TE. Predicting lower extremity injuries among habitual runners. *Archives of Internal Medicine*, 1989; 149:2565-8.
52. **Pate RR**, Slentz CA, Katz DP. Relationships between skinfold thickness and health related fitness test items. *Research Quarterly for Exercise and Sport*, 1989; 60(2):183-9.
51. Macera CA, **Pate RR**, Davis DR. Runners' health habits, 1985- "The Alameda 7" Revisited. *Public Health Reports*, 1989; 104(4):341-9.

50. Macera CA, Jackson KL, Farach C, **Pate RR**. The use of proportional hazards regression in investigating dropout rates in a longitudinal study. *Journal of Clinical Epidemiology*, 1988; 31(12):1175-80.
49. Kronenfeld JJ, Goodyear N, **Pate RR**, Blair A, Howe H, Parker G, Blair SN. The interrelationship among preventive health habits. *Health Education Research*, 1988; 3(3):317-23.
48. **Pate RR**. Special considerations for exercise in cold weather. *Sports Science Exchange*, 1988; 9:1-3.
47. **Pate RR**. The evolving definition of physical fitness. *Quest*, 1988; 40(3):174-9.
46. Davis JM, Lamb DR, **Pate RR**, Slentz CA, Burgess WA, Bartoli WP. Carbohydrate/electrolyte drinks: Effects on endurance cycling in the heat. *American Journal of Clinical Nutrition*, 1988; 48:1023-30.
45. Davis JM, Burgess WA, Slentz CA, Bartoli WP, **Pate RR**. Effects of ingesting 6% and 12% glucose electrolyte beverages during prolonged intermittent cycling in a warm environment. *European Journal of Applied Physiology*, 1988; 57:563-9.
44. Simons-Morton B, **Pate RR**, Simons-Morton D. Recommendations for physical activity for generally-healthy patients. *Postgraduate Medicine*, 1988; 83(1):165-76.
43. Miller BJ, **Pate RR**, Burgess W. Foot impact force and intravascular hemolysis during distance running. *International Journal of Sports Medicine*, 1988; 9(1):56-60.
42. **Pate RR**, Corbin CB, Simons-Morton BG, Ross JG. School physical education. *Journal of School Health*, 1987; 57:445-50.
41. Sparling PB, Wilson GE, **Pate RR**: Project overview and description of performance, training and physical characteristics in elite women distance runners. *International Journal of Sports Medicine*, 1987; 8(Suppl.2):73-6.
40. **Pate RR**, Sparling PB, Wilson GE, Cureton KJ, Miller BJ. Cardiorespiratory and metabolic responses to submaximal and maximal exercise in elite women distance runners. *International Journal of Sports Medicine*, 1987; 8(Suppl.2):91-5.
39. Durstine JL, **Pate RR**, Sparling PB, Wilson GE, Senn MD, Bartoli WP. Lipid, lipoprotein and iron status of elite women distance runners. *International Journal of Sports Medicine*, 1987; 8(Suppl.2):119-23.
38. Morgan WP, O'Connor PJ, Sparling PB, **Pate RR**. Psychologic characterization of the elite female distance runner. *International Journal of Sports Medicine*, 1987; 8(Suppl.2):124-31.
37. Davis JM, **Pate RR**, Burgess WA, Slentz CA. Stress hormone response to exercise in elite and good female distance runners. *International Journal of Sports Medicine*, 1987; 8(Suppl.2):132-5.
36. Ross JG, **Pate RR**. National children and youth study II: summary of findings. *Journal of Physical Education and Recreation*, Nov/Dec 1987.
35. Ross JG, **Pate RR**, Delpy LA, Gold RS, Svilar M. National children and youth fitness study II: New health-related fitness norms. *Journal of Physical Education and Recreation*, Nov/Dec 1987.

34. **Pate RR**, Ross JG, Baumgartner TA, Sparks RE. National children and youth fitness study II: The modified pull-up test. *Journal of Physical Education and Recreation*, Nov/Dec 1987.
33. Ross JG, **Pate RR**, Lohman T, Christenson GM. National children and youth fitness study II: Changes in the body composition of children. *Journal of Physical Education and Recreation*, Nov/Dec 1987.
32. Ross JG, **Pate RR**, Corbin CB, Delpy LA, Gold RS. What is going on in the elementary physical education program? *Journal of Physical Education and Recreation*, Nov/Dec 1987.
31. Ross JG, **Pate RR**, Caspersen CJ, Damberg C, Svilar M. National children and youth fitness study II: Home and community in children's exercise habits. *Journal of Physical Education and Recreation*, Nov/Dec 1987.
30. **Pate RR**, Ross JG. National children and youth fitness study II: Factors associated with health-related fitness. *Journal of Physical Education and Recreation*, Nov/Dec 1987.
29. **Pate RR**, Barnes C, Miller W. A physiological comparison of performance matched females and male distance runners. *Research Quarterly for Exercise and Sport*, 1985; 56:245-50.
28. **Pate RR**, Dover V, Goodyear L, Pu J-Z, Lambert M. Iron storage in female distance runners. The 1984 Olympic Scientific Congress, Sports, Health and Nutrition, 1985; 2:101-6.
27. **Pate RR**, Ross J, Dotson C. Comparison of new norms with AAHPERD norms, 1980. *Journal of Physical Education and Recreation*, Jan 1985.
26. **Pate RR**, Kriska A. Physiological basis of the sex difference in cardio respiratory endurance. *Sports Medicine*, 1984; 1:87-98.
25. **Pate RR**, Blair SN. Physical fitness programming for health promotion at the work site. *Preventive Medicine*, 1983; 12:632-43.
24. Dorociak J, **Pate RR**, Blair SN. Professional attitudes and health habits of the SCAHPERD Membership. *S.C. Journal of Health, Physical Education, Recreation and Dance*, 1983; 15:2-5.
23. **Pate RR**. Sports anemia: a review of the current research literature. *Physician and Sports Medicine*, 1983; 11(2):115-31.
22. **Pate RR**. A new definition of physical fitness. *Physician and Sports Medicine*, 1983; 11(4):77-83.
21. Blair SN, Falls H, **Pate RR**. A new physical fitness test. *Physician and Sports Medicine*, 1983; 11(4):87-95.
20. Blair SN, Blair A, **Pate RR**, et al. Interactions among dietary patterns, physical activity and skinfold thickness. *Research Quarterly for Exercise and Sport*, 1981; 52:505-11.
19. **Pate RR**, Corbin C. AAHPERD health-related physical fitness test: Implications for curriculum. *Journal of Physical Education and Recreation*, 1981; 52(1):36-8.
18. **Pate RR**. Exercise and coronary heart disease risk: Pediatric implications. AAHPERD Research Consortium Papers: Exercise Physiology, 1980; Washington, D.C.:AAHPERD Publications.
17. **Pate RR**. Physical education and exercise physiology: a cooperative venture for the '80's. AAHPERD Exercise Physiology Academy News-letter, Mar 1980.

16. Blair SN, **Pate RR**, Blair A, et al. Leisure time physical activity as an intervening variable in research. Health Education, Jan/Feb 1980.
15. Pollock ML, Jackson AS, **Pate RR**. Discriminant analysis of physiological differences between good and elite distance runners. Research Quarterly for Exercise and Sport, 1980; 51:521-32.
14. Blair A, Blair SN, Howe HG, **Pate RR**, et al. Physical psychological and sociodemographic differences between smokers, ex-smokers and non-smokers in a working population. Preventive Medicine, 1980; 9:747-59.
13. Blair SN, Blair A, Howe HG, **Pate RR**, et al. Leisure time physical activity and job performance. Research Quarterly Exercise and Sport, 1980; 51:718-23.
12. **Pate RR**, Van Wyk J, Maguire M. Effects of iron supplementation on hemoglobin concentration and iron stores of women athletes. Physician and Sports Medicine, 1979; 7(9):81-6.
11. **Pate RR**, Heinonen T. Performance characteristics and training habits of 1976 U.S. Olympic Trials decathletes. Track and Field Quarterly Review, 1979; 79(2):410-42.
10. Blair SN, Blair AE, Howe H, **Pate RR**, Rosenberg M, Parker G. Life stress and health. Journal of South Carolina Medical Association, Jul 1979; 331-4.
9. Wilson D, **Pate RR**, Lamb D, Daniels J. Olympic success and adult fitness - compatible partners or strange bedfellows? Journal of Physical Education and Recreation, 1979; 50(2):46.
8. **Pate RR**, Hughes D, Chandler JV, Ratliffe L. Effects of arm training on retention of training effects derived from leg training. Medicine and Science in Sports, 1978; 10:71-4.
7. **Pate RR**, Palmieri P, Hughes D, Ratliffe T. Serum enzyme response to exercise bouts of varying intensity and duration. In: F. Landry and W. Orban, eds. Third International Symposium on Biochemistry of Exercise, 1978; Symposia Specialists: Miami.
6. **Pate RR**. Fitness testing with a realistic purpose. Journal of Physical Education and Recreation, 1978; 49(1):47-8.
5. **Pate RR**. South Carolina physical fitness test procedures. South Carolina Journal of Health, Physical Education and Recreation, 1977; 10(1):15-6.
4. **Pate RR**. The South Carolina physical fitness test. South Carolina Journal of Health, Physical Education and Recreation, 1977; 9(2):14-5.
3. **Pate RR**. Does the sport need new blood? Runners World, Nov/Dec 1976.
2. **Pate RR**. Training for marathoning. Track Technique, Jun 1976; 64:2038-39.
1. **Pate RR**. Conditioning without crashing. Runners World, Jul 1976; 37-9.

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