

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,
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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

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

ELECTIVE OFFICES:

Executive Director, National Physical Activity Plan Alliance, 2019-Present
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, 1991-1993
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:

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

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-Present
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., 2018-2019
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, AAHP 1997-2000
Section Editor, Research Quarterly for Exercise and Sport, AAHP 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:

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).

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. McKing 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. The Duke 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 Prevent Childhood 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 Robert Johnson 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 Disease Control, \$90,401 (2007-2009), \$142,198, (2010-2011), \$134,800 (2011-2013).

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

Physical activity during the transition from elementary school to middle school. National Heart, 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, and Blood 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). National Heart, 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, USC Field 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 GA TECH 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:

Greene, L.S. and **R.R. Pate**. Training for Young Distance Runners, 3rd Edition. Human Kinetics, 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. Human Kinetics, Champaign, IL, 2006.

Greene, L.S. and **R.R. Pate**. Training for Young Distance Runners, 2nd Edition. Human Kinetics, 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, 3rd 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, 2nd 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 Herbstreit 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 21st 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. Lonnett. 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:

393. Singletary CR, Weaver G, Carson RL, Beets MW, **Pate RR**, Saunders RP, Peluso AG, Moore JB. Evaluation of a comprehensive school physical activity program: be a champion! *Eval Program Plann.* 2019;75:54-60. doi: 10.1016/j.evalprogplan.2019.04.003.
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;73(7):598-604. doi: 10.1136/jech-2018-211456.
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;210:226-231. doi: 10.1016/j.jpeds.2019.03.022.
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;38(6):483-493. doi: 10.1037/hea0000734.

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;89(6):494-502. doi: 10.1111/josh.12762.
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;51(6):1314-1323. doi: 10.1249/MSS.0000000000001943.
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;51(6):1282-1291. doi: 10.1249/MSS.0000000000001940.
386. Jakicic JM, Powell KE, Campbell WW, Dipietro L, **Pate RR**, Pescatello LS, Collins KA, 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;51(6):1262-1269. doi: 10.1249/MSS.00000000000000001938.
385. Dias KI, White J, Jago R, Cardon G, Davey R, Janz KF, **Pate RR**, Puder JJ, Reilly JJ, 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;16(11). pii: E1929. doi: 10.3390/ijerph16111929.
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 May 22. doi: 10.1093/tbm/ibz076. [Epub ahead of print]
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 Health Sci*. 2019;8(3):197-200. doi: 10.1016/j.jshs.2019.03.007.
382. **Pate RR**, Schenkelberg MA, Dowda M, McIver KL. Group-based physical activity trajectories in children transitioning from elementary to high school. *BMC Public Health*. 2019;19(1):323. doi: 10.1186/s12889-019-6630-7.
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, Laminsky LA, 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. doi: 10.1177/0890117118816750.
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;22(2):186-190. doi: 10.1016/j.jsams.2018.07.013.
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