



Measurement by the Physical Educator: Why and How, 8th edition

David Miller

Copyright 2020

ISBN: 1259922421 / 9781259922428

Chapter Changes

Chapter 5

- Updated research, statistics, and references

Chapter 7

- Updated research, statistics, and references
- New learning objective: State purpose of and describe teacher self-assessment.
- New information on The Society of Health and Physical Educators (SHAPE America) and their National Standards for K-12 Physical Education.
- New discussion on teacher self-assessment

Chapter 8

- Updated research, references, and statistics
- New Chapter Review Question

Chapter 9

- Updated research, statistics, and references

Chapter 11

- Updated research, statistics, and references
- Revised FIGURE 11.1 The Physical Activity Readiness Questionnaire (PAR-Q+)
- Revised Table 11.3 Norms for 12-Minute Run (Yards) and 1.5 Mile Run (Minutes and Seconds) for Ages Twenty through Seventy-Nine

Chapter 12

- Updated research, references, and statistics
- New directions for administration and assessment of the V-sit Reach Test
- New Table 12.3 Percentile Norms for the V-sit Reach Test for Ages Six through Seventeen

Chapter 13

- Updated research, references, and statistics
- Revised Table 13.1 Norms for 1-Repetition Maximum (RM) Bench Press Test
- Revised Table 13.2 Norms for 1-Repetition Maximum (RM) Leg Press Test
- New directions for administration and assessment of push-ups in rhythm
- New Table 13.13. Percentile Norms for Push-ups in Rhythm for Ages Six through Seventeen

Chapter 14

- Updated research, references, and statistics
- Revised Table 14.9 Percent Body Fat Standards

Chapter 15

- Updated research, references, and statistics
- Expanded discussion on The FitnessGram, a comprehensive fitness-health battery for children and youth with software that generates reports for each individual's performance on all test components.
- Revised Table 15.1 The FITNESSGRAM--Lower End(Good) Standards of the Healthy Fitness Zone
- New information on the American College of Sports Medicine's Health-Related Physical Fitness Assessment
- New Table 15.4 Standards for the ACSM Push-up and Partial Curl-up Tests
- Revised Table 15.6 Oxygen Cost and Stepping Cadence for Stages of the Modified Canadian Aerobic Fitness Test
- Revised Table 15.7 Health Benefit Zones for Aerobic Fitness Scores, CSEP-Physical Activity for Health (CSEP-PATH)
- Revised Table 15.7 Health Benefit Zones for Aerobic Fitness Scores, CSEP-Physical Activity for Health (CSEP-PATH)
- New information on the one-leg stance (balance) test
- Revised Figure TABLE 15.8 "Good" Health Benefit Zones for Musculoskeletal Fitness, CSEP-Physical Activity Training for Health (CSEP-PATH)
- Revised Review Problems

Chapter 16

- Updated research, references, and statistics

Chapter 17

- Updated research, references, and statistics
- Updated information on the Test of Gross Motor Development- 2 (TGMD-2)

Digital

Connect®—The Connect Suite effectively engages students in the course so they are better prepared for class, more active in discussion, and achieve better results. Its innovative and adaptive technology addresses a wide variety of student and instructor needs with a rich database of assignable and assessable activities, each attached to learning objectives. Connect, part of the Connect suite, is a web-based assignment and assessment platform that features a number of powerful tools that make managing assignments easier for instructors and learning and studying more engaging and efficient for students.

Connect Insight™—As part of the Connect Suite, Insight™ puts real-time analytics in your hands so you can take action early and keep struggling students from falling behind. Designed for your tablet or desktop computer, Insight is a series of visual displays providing at-a-glance information regarding how your section, students, and assignments are doing.

SmartBook—As part of the Connect Suite, SmartBook is the first and only adaptive reading and learning experience that changes the way students read. It creates a personalized, interactive reading environment like no other by highlighting important concepts, while helping students identify their strengths and weaknesses. This ensures that he or she is focused on the content needed to close specific knowledge gaps, while it simultaneously promotes long term learning.

LearnSmart—As part of the Connect Suite, LearnSmart is an adaptive learning program designed to help students learn faster, study smarter, and retain more knowledge for greater success. Millions of students have answered billions of questions in LearnSmart, making it the most widely used tool that's proven to strengthen memory recall, retain student attendance, and boost grades.