

## Study Guide for The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

Self-study continuing education course giving 13.0\* Category 1 NCHCE CECHs for CHES<sup>®</sup> and MCHES<sup>®</sup> (includes 6.0 advanced (-1, -2) level CECHs for MCHES<sup>®</sup>, and 13.0 Continuing Competency Credits).


<b>General Information</b>	<p>Instructor: Jim Grizzell, MBA, MA, MCHES<sup>®</sup>, ACSM-EP-C, F-ACHA          Email: <a href="mailto:jimgrizzell@healthedpartners.org">jimgrizzell@healthedpartners.org</a>          Phone: 909-856-3350 (cell, please call between 9 am - 8 pm PT)          Course Materials: All materials available online</p>
<b>Course Description</b>	<p><b>Directed Self-Study:</b> a learning experience to meet CHES<sup>®</sup>/MCHES<sup>®</sup> competencies <b>emphasizing principles of evidence-based practice</b> to provide health education/promotion of the physical activity guidelines. These include:**</p> <ul style="list-style-type: none"> <li>• Explain the process to determine <b>evidence-based guidelines</b> by analyzing and synthesizing findings from research (1.7.1, 4.6.1 – 4.6.8, 4.7.5)</li> <li>• Use <b>evidence-based</b> health education/promotion, materials and resources to increase regular physical activity to improve health and have a positive public health impact (2.3.3, 7.3.5, 7.3.6)</li> <li>• Determine needs and health outcomes for health education/promotion based on assessments of data related to health and physical activity (1.1.1, 1.1.4, 1.2, 1.2.1, 1.2.2, 1.2.3, 1.2.3, 1.4, 1.7, 1.7.1, 1.7.2, 1.7.4, 1.7.5)</li> <li>• Analyze relationships of sedentary and physical activity behaviors (1.4, 4.5)</li> <li>• Serve as a health education/promotion resource person (6.1, 6.3, 6.3.3)</li> </ul> <p>The participant tailors parts of the learning experience by selecting materials to study the <b>Physical Activity Guidelines for Americans (2<sup>nd</sup> edition)</b>. Studying is self-paced without regard to time or location.</p>
<b>Course Goals</b>	The participant will be able to act as a knowledgeable resource person on use of the <b>evidence-based Physical Activity Guidelines for Americans (2<sup>nd</sup> edition)</b> .
<b>Course Requirements</b>	<p><u>Study Materials:</u> Physical Activity Guidelines for Americans web documents.  <u>Test</u> (5 Y/N &amp; T/F, 32 multiple choice, 14 short answer passing ≥70% correct)  <u>Course Evaluation</u> (included after last question of the test)</p>
<p>The course will be done electronically using the email and the web using links in the <b>Study Guide</b>  <b>Study Guide:</b> <a href="http://www.healthedpartners.org/ceu/ebpag/ebpagstudyguide.pdf">www.healthedpartners.org/ceu/ebpag/ebpagstudyguide.pdf</a>  <b>Test:</b> <a href="https://www.surveymonkey.com/r/ebpag">https://www.surveymonkey.com/r/ebpag</a></p>	
<b>Completion Certificate</b>	Course completion certificate for 13.0 CECHs (includes 6.0 advanced hours, Advance-1, Advanced-2) will be awarded if a score of ≥70% is achieved and Course Evaluation is completed. Payment of fee is required.

### Contents

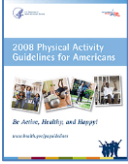



Introduction.....	2
1. Evidence, and Evidence-based Practices and Findings.....	2
2. <b>Physical Activity Guidelines for Americans</b> 2 <sup>nd</sup> edition: About, Purpose, Evolution & Process, Q&A .....	2
3. <b>Current Guidelines</b> .....	2
• Introduction, Behaviors, Health Outcomes, Age Groups & Conditions, Active and Safe .....	2
• Promoting Regular Physical Activity .....	3
4. <b>Scientific Report</b> – Overview, Evidence-base Process and Findings.....	4
5. <b>Advisory Committee</b> – Members, Meetings with reports and presentation, and discussions .....	5
6. <b>Move Your Way Campaign</b> .....	5
• Fact sheets, Posters, Activity Planner, Partner Promotion Toolkit.....	5
<b>Test Instructions</b> – NOTE: completion certificate generally emailed within 72 hours after test is received.....	6
About the Course Creator .....	7

\* Continuing education hours are based on reading speed of 250 words per minute and one minute per slide.

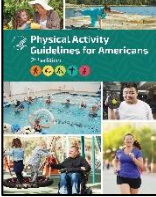



\*\* CHES<sup>®</sup>/MCHES<sup>®</sup> competencies, sub-competencies addressed in the course. [Click here to view the competencies.](#)

<b>Health Education Partners</b>	National Commission for Health Education Credentialing, Provider #100538	
----------------------------------	--	---



Study Guide for  
The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

Estimated Time	Objectives and Assignments
~0.5 hour	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>Review this Study Guide, instructions for taking the test and receiving credit</li> </ul>
<p>~0.5 hour</p>   	<p><b>Section 1: Evidence, and Evidence-Based Practices and Findings</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>State the CHES<sup>®</sup>, MCHES<sup>®</sup> and CPH competencies for applying evidence-based practices and findings</li> <li>Describe not-evidence-based, evidence-informed and evidence-based</li> <li>List the steps of evidence-based practices</li> <li>List reasons evidence-based practices are not used.</li> <li>Explain the rationale for application of evidence-informed and evidence-based as related to the original 2008 and current 2<sup>nd</sup> edition guidelines</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li><b>Read/study</b> <ul style="list-style-type: none"> <li><b>Evidence. Evidence-based Practices and Findings</b> – read/study the rationale for considering the 2008 Guidelines “evidence-informed” from a George Washington University Grand Rounds presentation, and examples and definitions of anecdotal evidence, evidence-informed and evidence-based. <a href="http://www.healthedpartners.org/ceu/ebpag/anecdotal-evidenceinformed-evidencebased.pdf">www.healthedpartners.org/ceu/ebpag/anecdotal-evidenceinformed-evidencebased.pdf</a></li> </ul> </li> </ul> <p style="text-align: center;"><b>There are five test questions from this section.</b></p>
<p>~0.5 hour</p>  <p><b>IN THIS SECTION:</b> 3 web pages.</p> <p>Four test questions from this section.</p>	<p><b>Section 2: Physical Activity Guidelines for Americans (2<sup>nd</sup> ed) Introduction</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>State the purpose of the Physical Activity Guidelines for Americans</li> <li>Describe the evolution and process of the Guidelines</li> <li>Answer questions asked about the Guidelines</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li><b>Read/study</b> <ul style="list-style-type: none"> <li><b>Physical Activity Guidelines home page</b> - <a href="https://health.gov/paguidelines/">https://health.gov/paguidelines/</a> <ul style="list-style-type: none"> <li><b>Don't</b> click on the “News &amp; Announcements” <b>Read more</b> button, <b>Do read the “News &amp; announcements” from February 20, 2019</b> at <a href="https://health.gov/news/announcements/2019/02/new-physical-activity-guidelines-resource-available/">https://health.gov/news/announcements/2019/02/new-physical-activity-guidelines-resource-available/</a> Don't download the presentation“ that linked from the web page (it's covered later in the course).</li> <li>Don't follow links to the “Our Initiatives” yet (they are covered in the next sections). Skip “our blog.” (~3 min)</li> </ul> </li> <li><b>About the Guidelines</b> - <a href="https://health.gov/paguidelines/about/">https://health.gov/paguidelines/about/</a> <ul style="list-style-type: none"> <li>Purpose - <a href="https://health.gov/paguidelines/about/">https://health.gov/paguidelines/about/</a> (~3 min)</li> <li>Evolution and Process - <a href="https://health.gov/paguidelines/about/process/">https://health.gov/paguidelines/about/process/</a> (~5 min)</li> </ul> </li> </ul> </li> </ul>

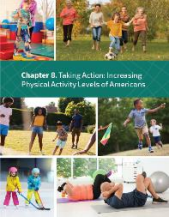

# Study Guide for The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

	<ul style="list-style-type: none"> <li>○ Q&amp;A - <a href="https://health.gov/paguidelines/about/qanda/">https://health.gov/paguidelines/about/qanda/</a> (~10 min)</li> </ul>
<p>~1.0 hours</p>  <p><b>IN THIS SECTION:</b> Web pages, a 7-page PDF file and 41 slide PPT.</p> <p><b>10 test questions from this section.</b></p>	<h3 style="color: green;">Section 3a: Current Guidelines – Explore the Guidelines</h3> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• List the information in the current Guidelines and the 10 things to know</li> <li>• State the new <b>evidence</b> of physical activity benefits and major research findings</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study</b> <ul style="list-style-type: none"> <li>○ <b>Current Guidelines</b> - read the text on the web page <a href="https://health.gov/paguidelines/second-edition/">https://health.gov/paguidelines/second-edition/</a> <b>NOTE:</b> Skip two items for now: <b>1)</b> so, <u>don't</u> “Download the complete second edition of the Physical Activity Guidelines [PDF – 2 MB]. and <b>2)</b> <u>skip</u> “Promote physical activity in your community” – they will be covered later in the course. (~3 min)</li> <li>○ <b>Executive Summary</b> - <a href="https://health.gov/paguidelines/second-edition/pdf/PAG_ExecutiveSummary.pdf">https://health.gov/paguidelines/second-edition/pdf/PAG_ExecutiveSummary.pdf</a> (7 pages, ~1,700 words, ~7 min)</li> <li>○ <b>Top 10 Things to Know</b> - <a href="https://health.gov/paguidelines/second-edition/10things/">https://health.gov/paguidelines/second-edition/10things/</a> (web page, ~700 words, ~4 min)</li> <li>○ <b>PowerPoint - Introducing the Physical Activity Guidelines for Americans (2<sup>nd</sup> edition)</b>. PowerPoint presentation (PPT [<b>NOTE:</b> you can edit the PPT to tailor to your audience] &amp; PDF formats available) you can use to help promote the Guidelines to other professionals.</li> <li>○ <b>PPT</b> - <a href="https://health.gov/paguidelines/second-edition/ppt/Physical_Activity_Guidelines_2nd_edition_Presentation.pptx">https://health.gov/paguidelines/second-edition/ppt/Physical_Activity_Guidelines_2nd_edition_Presentation.pptx</a> <b>or PDF</b> - <a href="https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition_Presentation.pdf">https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition_Presentation.pdf</a> (41 slides, ~41 min)</li> </ul> </li> </ul>
<p>~0.75 hours</p>    <p><b>IN THIS SECTION:</b></p>	<h3 style="color: green;">Section 3b: Current Guidelines – Summary, Roadmap to and Introducing the Physical Activity Guidelines for Americans, Physical Activity and Health</h3> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• Explain the rationale for the Guidelines</li> <li>• State the new <b>evidence</b> of physical activity benefits and major research findings</li> <li>• Describe the baseline data on American's physical activity and sedentary behavior</li> <li>• Explain health-related versus performance-related fitness</li> <li>• Define terms such as overload, progression and specificity; and HIIT</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study</b> <ul style="list-style-type: none"> <li>○ <b>From the complete second edition of the Guidelines</b> – selected sections and pages. <a href="https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf">https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf</a></li> <li>• <b>Summary through A Roadmap</b> to the Physical Activity Guidelines for Americans <a href="http://www.healthedpartners.org/ceu/paguidelines2nd/summaryroadmap.pdf">www.healthedpartners.org/ceu/paguidelines2nd/summaryroadmap.pdf</a> (pages 6-12, ~2,700 words, ~11 min)</li> </ul> </li> </ul>

Study Guide for  
**The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)**

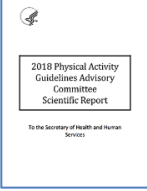
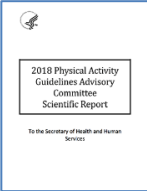
<p>35 selected PDF file pages.</p> <p>Nine test questions are from this section.</p>	<ul style="list-style-type: none"> <li>• Note first sentence on page 11: “<b>The Physical Activity Guidelines is written for professionals [e.g., CHES/MCHES] audiences.</b>”</li> <li>• <b>Chapter 1. Introducing the Physical Activity Guidelines for Americans</b>  <a href="http://www.healthedpartners.org/ceu/paguidelines2nd/ch1introducingpag.pdf">www.healthedpartners.org/ceu/paguidelines2nd/ch1introducingpag.pdf</a>            (pages 14–25 ~4,400 words, ~18 min)</li> <li>• <b>Chapter 2. Physical Activity and Health</b>  <a href="http://www.healthedpartners.org/ceu/paguidelines2nd/ch2paandhealth.pdf">www.healthedpartners.org/ceu/paguidelines2nd/ch2paandhealth.pdf</a> (28-45, ~2,700 words, ~11 min)</li> </ul>
<p>~0.5 hours</p>  <p><b>IN THIS SECTION:</b></p> <p>One (1) of four (4) chapters (3, 4, 5, or 6).</p> <p>Two test questions from this section.</p>	<p><b>Section 3c: Current Guidelines - Age Groups and Conditions</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• Describe the evidence-based guidelines <b>for one age group or conditions</b></li> <li>• Explain how the Guidelines could be used <b>for one age group or conditions</b></li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study</b> <ul style="list-style-type: none"> <li>○ Based on your interests and/or health education/promotion practice area, <b>select one (1) of the four (4) age group and conditions chapters</b> (3, 4, 5, or 6) to study: (~15 to 30 min) <b>NOTE:</b> Three (3) ways to read <b>Chapters 3, 4, 5, 6</b> – 1. read online, 2. download the: <a href="https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf">complete second edition of the Physical Activity Guidelines [PDF – 14.2 MB]</a> from <a href="https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf">https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf</a> or 3. download the individual chapter from links below.           <ul style="list-style-type: none"> <li>• <b>Chapter 3. Active Children, and Adolescents</b>  <a href="http://www.healthedpartners.org/ceu/ebpag/ch3childadol.pdf">www.healthedpartners.org/ceu/ebpag/ch3childadol.pdf</a></li> <li>• <b>Chapter 4. Active Adults</b>  <a href="http://www.healthedpartners.org/ceu/ebpag/ch4adults.pdf">www.healthedpartners.org/ceu/ebpag/ch4adults.pdf</a></li> <li>• <b>Chapter 5. Active Older Adults</b>  <a href="http://www.healthedpartners.org/ceu/ebpag/ch5olderadults.pdf">www.healthedpartners.org/ceu/ebpag/ch5olderadults.pdf</a></li> <li>• <b>Chapter 6. Additional Considerations for Some Adults</b>  <a href="http://www.healthedpartners.org/ceu/ebpag/ch6considerations.pdf">www.healthedpartners.org/ceu/ebpag/ch6considerations.pdf</a></li> </ul> </li> <li>○ For the test, plan to write a short answer (≤50 words) on how you might explain and use the guidelines for your selected group).</li> </ul> </li> </ul>
<p>~0.5 hours</p>  <p><b>IN THIS SECTION:</b></p> <p>7-page PDF chapter 7 and</p>	<p><b>Section 3d: Current Guidelines - Active and Safe, and Media Resources</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• Explain how Americans can be active and safe while being physically active</li> <li>• Describe Media Resources available to help Americans improve health, feel better, and lower their risk of chronic disease.</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study</b> <ul style="list-style-type: none"> <li>○ <b>Chapter 7. Active and Safe</b> –  <a href="http://www.healthedpartners.org/ceu/ebpag/ch7activesafe.pdf">www.healthedpartners.org/ceu/ebpag/ch7activesafe.pdf</a> (~9 min)</li> <li>○ <b>Media Resources</b> – read/study the text on the web page <a href="https://health.gov/paguidelines/second-edition/resources/">https://health.gov/paguidelines/second-edition/resources/</a> and the <b>Sample</b></li> </ul> </li> </ul>

Study Guide for  
The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)


<p>two web pages.</p> <p>Two test questions from this section</p>	<p><b>Newsletter Copy</b>  <a href="https://health.gov/paguidelines/moveyourway/toolkit/#newsletter">https://health.gov/paguidelines/moveyourway/toolkit/#newsletter</a> (~10 min)</p>
<p>~0.5 hours</p>  <p><b>IN THIS SECTION:</b></p> <p>Nine (9) page PDF Chapter 8.</p> <p>Five test questions from this section.</p>	<p><b>Section 3e: Current Guidelines - Taking Action: Increasing Physical Activity Levels of Americans</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• List and describe proven and <b>evidence-based</b> strategies to help increase levels of physical activity for             <ul style="list-style-type: none"> <li>○ Individuals and small groups</li> <li>○ Communities</li> </ul> </li> <li>• Explain what individuals, families and caregivers, and sectors of society can do to increase physical activity</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study</b> <ul style="list-style-type: none"> <li>○ <b>Chapter 8. Taking Action: Increasing Physical Activity Levels of Americans</b> – three (3) ways to read: online, download the entire Guidelines (<a href="https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf">https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf</a>), <b>or</b> download the single chapter <a href="http://www.healthedpartners.org/ceu/ebpag/ch8takingaction.pdf">www.healthedpartners.org/ceu/ebpag/ch8takingaction.pdf</a> (9 pages, ~20 min)</li> </ul> </li> </ul>
<p>~0.5 hours</p>  <p><b>IN THIS SECTION:</b></p> <p>14 pages from the last part of the Guidelines PDF file.</p> <p>One test question from this section.</p>	<p><b>Section 3f: Current Guidelines – Glossary and Appendices 1 and 2</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• Define terms and concepts used for describing physical activity</li> <li>• Translate the scientific evidence for absolute and relative intensity, and steps</li> <li>• List the Federal resources for physical activity</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study</b> <ul style="list-style-type: none"> <li>○ <b>NOTE:</b> Three (3) ways to read the glossary and appendices: 1. read online, 2. download the: <a href="https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf">complete second edition of the Physical Activity Guidelines [PDF – 14.2 MB]</a> from <a href="https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf">https://health.gov/paguidelines/second-edition/pdf/Physical_Activity_Guidelines_2nd_edition.pdf</a> or 3. download the the file with glossary and appendices from this link: <a href="http://www.healthedpartners.org/ceu/ebpag/glossary-appendices-1-2.pdf">www.healthedpartners.org/ceu/ebpag/glossary-appendices-1-2.pdf</a></li> <li>○ <b>Glossary</b> (4 pages, ~7 min)</li> <li>○ <b>Appendix 1. Behaviors: Intensity, Bouts, and Steps</b> (5 pages, ~15 min)</li> <li>○ <b>Appendix 2. Federal Physical Activity Resources Physical Activity</b> (5 pages, ~5 min)</li> </ul> </li> </ul>
<p>~1.0 hour</p>	<p><b>Section 4a: Scientific Report – Introduction, Background, Integrating the Evidence, and Methodology</b></p>



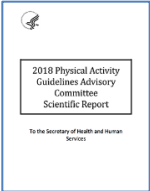
## Study Guide for The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

<div style="text-align: center;">  <p>2018 Physical Activity Guidelines Advisory Committee Scientific Report To the Secretary of Health and Human Services</p> </div> <p><b>IN THIS SECTION:</b> a web page and selected pages (33 total pages) from the Scientific Report</p> <p>One 5-point text response test question from this section.</p> <p><b>NOTE:</b> This section covers CHES / MCHES responsibilities and competencies related to principles of evidence-based practice.</p>	<p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>Explain the process of finding, interpreting, synthesizing, reporting, applying research <b>findings</b> and <b>evidence</b> to develop the <b>evidence-based</b> Physical Activity Guidelines for Americans. <ul style="list-style-type: none"> <li>Focus is on promoting physical activity</li> </ul> </li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li><b>Read/study –</b> <ul style="list-style-type: none"> <li><b>Scientific Report</b> web page - <a href="https://health.gov/paguidelines/second-edition/report/">https://health.gov/paguidelines/second-edition/report/</a> (~5 min)</li> <li>Letter to the Secretary of HHS <a href="https://health.gov/paguidelines/second-edition/report/pdf/00_Letter_to_the_Secretary.pdf">https://health.gov/paguidelines/second-edition/report/pdf/00_Letter_to_the_Secretary.pdf</a> (2 pages, ~3 min)</li> <li><b>NOTE 1: for Parts A through Part D</b> read/study <u>only</u> the 22 pages listed. Those pages tend to specifically address evidence-based health education/promotion of regular physical activity.</li> <li><b>NOTE 2:</b> a file with only the suggested pages to read from Parts A, B, C, and D is at <a href="http://www.healthedpartners.org/ceu/ebpag/scientificrpt-partsabcd.pdf">www.healthedpartners.org/ceu/ebpag/scientificrpt-partsabcd.pdf</a> (~45 min).</li> <li><b>For the test question</b> be prepared to describe in 50 words or less what you found of significant interest or very useful for you personally and/or for your health education/promotion practice.</li> <li><b>Part A. Executive Summary – Effort to promote physical activity can be effective and Public Health Impact . . . pages A-5 - A-7</b> (~2 pages, 5 min) NOTE: pages A-1 – A-4 review much of what you’ve studied already)</li> <li><b>Part B. Introduction</b> – all 8 pages, covers organization and processes on find and using evidence (8 pages, ~10 min)</li> <li><b>Part C. Background and Key Physical Activity Concepts</b> – Historical Perspective pages C1-C3, Promotion of Physical Activity C26-27 (5 pages, ~7 min)</li> <li><b>Part D. Integrating the Evidence –Introduction and Promotion of Physical Activity</b> - pages D1-D3, D27-D29 (6 pages, ~7 min)</li> <li><b>Part E. Systematic Review Literature Search Methodology</b> – all 22 pages <a href="https://health.gov/paguidelines/second-edition/report/pdf/06_E_Systematic_Review_Literature_Search_Methodology.pdf">https://health.gov/paguidelines/second-edition/report/pdf/06_E_Systematic_Review_Literature_Search_Methodology.pdf</a> (22 pages, ~45 min)</li> </ul> </li> </ul>
<p>~1.0 hour</p> <div style="text-align: center;">  <p>2018 Physical Activity Guidelines Advisory Committee Scientific Report To the Secretary of Health and Human Services</p> </div> <p><b>IN THIS SECTION:</b> a web page and one (1) of 10 Part F chapters (1, 2, 3, 4, 5, 6, 7, 8, 9 or 10).</p>	<p><b>Section 4b: Scientific Report – Behaviors, Health Outcomes, and Age Groups and Select Populations</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>Describe and explain the process and <b>evidence-based</b> findings <b>for one (1)</b> of the ten (10) chapters (physical activity behaviors, sedentary behavior, health outcomes topics, select populations)</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li><b>Read/study –</b> <ul style="list-style-type: none"> <li><b>Scientific Report</b> web page - <a href="https://health.gov/paguidelines/second-edition/report/">https://health.gov/paguidelines/second-edition/report/</a> (~5 min)</li> <li><b>Part F. Science Base - select one (1) of the first 10 chapters (1, 2, 3, 4, 5, 6, 7, 8, 9 or 10)</b> – based on your personal interest or work area select one (1) of the first ten (10) chapter to read/study. (<b>~60 min</b>)</li> </ul> </li> </ul>

Study Guide for  
**The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)**


<p>One text response 5-point test question from this section.</p>	<ul style="list-style-type: none"> <li>• <b>NOTE 1:</b> Chapter lengths vary significantly, from 26 to 117 pages, estimated reading times at 250 words per page are 52 minutes to nearly 4 hours. One (1) CECHs/credit hour has been allotted to this bullet point study item. If you select a chapter with over 30 pages scan and select the most important for your interest and work.</li> <li>• <b>NOTE 2 - For the test question:</b> Be prepared to state what you studied (overview, data sources and process used to answer questions, a question addressed, what you learned about the topic of the question, and how you might apply the learning to your interest or work. Example: in Chapter 3 Brain Health questions topics are cognition, quality of life, affect, anxiety, depression, sleep.</li> </ul>
<p>~1.0 hour</p>  <p><b>IN THIS SECTION:</b></p> <p>a web page, selected pages covering your selected intervention from Chapter 11, and selected pages from the Online-Only Supplementary Material - Evidence Portfolios.</p> <p>Three test questions from this section.</p>	<p><b>Section 4c: Scientific Report – Part F, Chapter 11. Promoting Regular Physical Activity</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• Describe the review of science, data sources and process used to answer questions.</li> <li>• Describe evidence-based interventions to promote regular physical activity and reduce sedentary behavior</li> <li>• and explain the process and evidence-based health education/promotion findings in chapter 11 about “<b>Promoting Regular Physical Activity</b>”</li> <li>•</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study –</b> <ul style="list-style-type: none"> <li>• <b>Scientific Report</b> web page - <a href="https://health.gov/paguidelines/second-edition/report/">https://health.gov/paguidelines/second-edition/report/</a> (~5 min)</li> <li>• <b>Part F. Science Base, Chapter 11: Promoting Regular Physical Activity</b> <a href="https://health.gov/paguidelines/second-edition/report/pdf/17_F-11_Promoting_Regular_Physical_Activity.pdf">https://health.gov/paguidelines/second-edition/report/pdf/17_F-11_Promoting_Regular_Physical_Activity.pdf</a> <ul style="list-style-type: none"> <li>• <b>Introduction and Review of the Science</b> sections. (pages F11-1 – F11-7)</li> <li>• <b>Based on your interest or work area, select one (1) of the interventions</b> listed in the Table of Contents (pages F11-1 – F11-2: e.g. Older Adult, Postnatal Women, . . . through Access to Indoor and/or Outdoor recreation Facilities or Outlets; <b>or</b> about the sedentary behavior by youth, etc.) from question 1 (starts on page F11-8) or 2 (starts on page F11-78).</li> <li>• <b>For the test:</b> Be prepared to state what you studied, learned and might use (sources of evidence, conclusion statement, review of the evidence, evidence on the overall relationship, public health impact. (~30 min)</li> </ul> </li> <li>• <b>Part G. Science Base Needs for Future Research, section titled “Chapter 11. Promoting Regular Physical Activity”</b> – read/study only pages G-36 – G-42. <a href="https://health.gov/paguidelines/second-edition/report/pdf/18_G_Needs_for_Future_Research.pdf">https://health.gov/paguidelines/second-edition/report/pdf/18_G_Needs_for_Future_Research.pdf</a> (~10 min)</li> </ul> </li> </ul> <p><b>Next,</b> scroll to bottom of Scientific Report page: (<a href="https://health.gov/paguidelines/second-edition/report/">https://health.gov/paguidelines/second-edition/report/</a>) to “<b>Online-Only Supplementary Material - Evidence Portfolios</b>” – <a href="https://health.gov/paguidelines/second-edition/report/supplementary-material.aspx">https://health.gov/paguidelines/second-edition/report/supplementary-material.aspx</a></p>

Study Guide for  
**The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)**

	<ul style="list-style-type: none"> <li>• <b>FYI – Don’t read all</b> of Supplemental Material for the 2018 Physical Activity Guidelines Advisory Scientific Report – the 2,573 pages cover the literature searches to answer 38 questions and 104 subquestions for those interested in the methodology of the search and process to included articles in specific questions the details can be found in the supplementary materials. ----- <b>just read/study the pages listed for Chapter 11. Promoting Physical Activity (scroll to near bottom of the web page.</b></li> <li>• <b>Online-Only Supplemental Material - Chapter 11. Promoting Physical Activity – read/study only the first few pages listed.</b> <ul style="list-style-type: none"> <li>• <b>NOTE 1:</b> the first 3 to 5 pages of each evidence portfolio gives sources of evidence, conclusion statements and grades, description of the evidence, existing systematic reviews and meta-analyses.</li> <li>• <b>NOTE 2.</b> After the first 3 to 5 pages the remaining 80 to 115 pages of each portfolio show populations analyzed and supporting evidence – consider looking at an evidence portfolio pages after the first 3 to 5 pages to get a sense of the evidence that was used.</li> </ul> </li> <li>• <b>Question 1. What interventions are effective for increasing physical activity at different levels of impact?</b> <ul style="list-style-type: none"> <li>• Evidence Portfolio, <b>Individual</b> – pages 1 – 4 (~5 min)  <a href="https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q1_Individual_Evidence_Portfolio.pdf">https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q1_Individual_Evidence_Portfolio.pdf</a></li> <li>• Evidence Portfolio, <b>Community</b> – pages 1 – 5 (~5 min)  <a href="https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q1_Community_Evidence_Portfolio.pdf">https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q1_Community_Evidence_Portfolio.pdf</a></li> <li>• Evidence Portfolio, <b>Communication Environment</b> – pages 1 – 5 (~5 min)  <a href="https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q1_Communication_Environment_Evidence_Portfolio.pdf">https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q1_Communication_Environment_Evidence_Portfolio.pdf</a></li> <li>• Evidence Portfolio, <b>Physical Environment and Policy</b> – pages 1 – 3 (~5 min)  <a href="https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q1_Environment_and_Policy_Evidence_Portfolio.pdf">https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q1_Environment_and_Policy_Evidence_Portfolio.pdf</a></li> </ul> </li> <li>• <b>Question 2. What interventions are effective for reducing sedentary behavior?</b> <ul style="list-style-type: none"> <li>• Evidence Portfolio, <b>Sedentary Behavior</b> – pages 1 – 3 (~5 min)  <a href="https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q2_Sedentary_Evidence_Portfolio.pdf">https://health.gov/paguidelines/second-edition/report/supplementary_material/pdf/Promotion_Q2_Sedentary_Evidence_Portfolio.pdf</a></li> </ul> </li> </ul>
<p>~1.5 hours</p>  <p><b>IN THIS SECTION:</b></p>	<p><b>Section 5a: Advisory Committee – Charter, Charge, History and Trends</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• Describe the Charter and Charge of the Advisory Committee</li> <li>• List the committee members and consultants, and their background and experience</li> <li>• Describe the history and trends of physical activity recommendations and guidelines, including the state of physical activity in American</li> </ul> <p><b>Assignments</b></p>






## Study Guide for The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

<p>equivalent of ~10 web and pdf file pages about the Advisory Committee charter, charge and members;</p> <p>Three test questions from this section.</p>	<ul style="list-style-type: none"> <li>• <b>Read/study/view</b> each of the five presentations and the Final Report <ul style="list-style-type: none"> <li>○ <b>Committee Charter and Charge</b> <ul style="list-style-type: none"> <li>• <b>Charter</b> - <a href="https://health.gov/paguidelines/second-edition/committee/resources/2018-PAGAC-charter.pdf">https://health.gov/paguidelines/second-edition/committee/resources/2018-PAGAC-charter.pdf</a> (~7 min)</li> <li>• <b>Charge</b> - <a href="https://health.gov/paguidelines/second-edition/committee/resources/charge.aspx">https://health.gov/paguidelines/second-edition/committee/resources/charge.aspx</a> (~2 min)</li> </ul> </li> <li>○ <b>Committee Members</b> – <a href="https://health.gov/paguidelines/second-edition/committee/">https://health.gov/paguidelines/second-edition/committee/</a> (~2 min) <ul style="list-style-type: none"> <li>• <b>Biographical Sketches of the Committee Members</b>, Part H. Appendix 3. of the Scientific Report (this has ~250 word bios of each member) <a href="https://health.gov/paguidelines/second-edition/report/pdf/21_H_Appendix_3_Biographical_Sketches_of_the_Committee_Members.pdf">https://health.gov/paguidelines/second-edition/report/pdf/21_H_Appendix_3_Biographical_Sketches_of_the_Committee_Members.pdf</a> (briefly scan through them)</li> </ul> </li> <li>○ <b>Subcommittees</b> – <a href="https://health.gov/paguidelines/second-edition/committee/subcommittees.aspx">https://health.gov/paguidelines/second-edition/committee/subcommittees.aspx</a> (~2 min)</li> <li>○ <b>Consultants</b> – <a href="https://health.gov/paguidelines/second-edition/committee/consultants.aspx">https://health.gov/paguidelines/second-edition/committee/consultants.aspx</a> (~10 min)</li> <li>○ <b>First Public Meeting (Meeting 1)</b> – <a href="https://health.gov/paguidelines/second-edition/meetings/">https://health.gov/paguidelines/second-edition/meetings/</a> (~2 min) <ul style="list-style-type: none"> <li>○ <b>Summary</b> – reading <b>all</b> pages - <a href="https://health.gov/paguidelines/second-edition/meetings/1/PAGAC-Meeting-1-Summary.pdf">https://health.gov/paguidelines/second-edition/meetings/1/PAGAC-Meeting-1-Summary.pdf</a> (6 pages, ~11 min)</li> <li>○ <b>Presentation</b> – History of Physical Activity Recommendations and Guidelines for Americans <a href="https://health.gov/paguidelines/second-edition/meetings/1/History-of-Physical-Activity-Recommendations-and-Guidelines-for-Americans.pdf">https://health.gov/paguidelines/second-edition/meetings/1/History-of-Physical-Activity-Recommendations-and-Guidelines-for-Americans.pdf</a> (22 slides, 22 min)</li> <li>○ <b>Presentation – The State of Physical Activity in America</b> - <a href="https://health.gov/paguidelines/second-edition/meetings/1/The-State-of-Physical-Activity-in-America.pdf">https://health.gov/paguidelines/second-edition/meetings/1/The-State-of-Physical-Activity-in-America.pdf</a> (30 slides, ~30 min)</li> </ul> </li> </ul> </li> <li>• <b>Sub-committee 7: Promotion of Physical Activity</b> <ul style="list-style-type: none"> <li>○ <b>Chair:</b> Abby King; <b>Members:</b> John Jakicic, David Marquez, Melicia Whitt-Glover</li> </ul> </li> <li>• <b>Sub-committee 8: Sedentary Behaviors</b> <ul style="list-style-type: none"> <li>○ <b>Chair:</b> Peter Katzmarzyk; <b>Members:</b> John Jakicic, Ken Powell</li> </ul> </li> </ul>
<p>~2.0 hours</p>  <p><b>IN THIS SECTION:</b></p> <p>Public meeting summaries and presentations focusing on</p>	<p><b>Section 5b: Advisory Committee – Public Meetings with Focus on Sub-committees on Promoting Physical Activity and Reducing Sedentary Behaviors</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• For Promoting regular physical activity and reducing sedentary behavior explain the process of identifying data, assessing needs, synthesizing assessment findings, and applying findings during all five meetings</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study/view</b> each of the five presentations and the Final Report <ul style="list-style-type: none"> <li>○ <b>Public Meetings 2, 3, 4, and 5</b> – <a href="https://health.gov/paguidelines/second-edition/meetings/">https://health.gov/paguidelines/second-edition/meetings/</a> (~2 min) <ul style="list-style-type: none"> <li>○ <b>NOTE:</b> Two (2) ways to read the Summary for each meeting text from the Promoting Regular Physical Activity and Sedentary Behaviors Subcommittees:</li> </ul> </li> </ul> </li> </ul>

Study Guide for  
The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

<p style="color: green;">promoting physical activity and reducing sedentary behavior,</p> <p>Four test questions from this section.</p>	<ul style="list-style-type: none"> <li>• Read online or download each meeting summary document and find the pages listed below <b>or</b></li> <li>• download this pdf file which has the selected pages for the Promotion of Physical Activity and Reducing Sedentary Behavior and Sedentary Subcommittee summaries for meetings 2, 3, 4, and 5 in one pdf file <a href="http://www.healthedpartners.org/ceu/ebpag/meeting-1-2-3-4-pa-sed-summaries.pdf">www.healthedpartners.org/ceu/ebpag/meeting-1-2-3-4-pa-sed-summaries.pdf</a></li> <li>• <b>Meeting 2</b> – web page - <a href="https://health.gov/paguidelines/second-edition/meetings/2/">https://health.gov/paguidelines/second-edition/meetings/2/</a> (~2 min)             <ul style="list-style-type: none"> <li>• <b>Summary</b> – read only <b>Promotion of Physical Activity</b> and <b>Sedentary Behavior Subcommittees</b> text on pages 7-6 <a href="https://health.gov/paguidelines/second-edition/meetings/2/PAGAC-Meeting-2-Summary.pdf">https://health.gov/paguidelines/second-edition/meetings/2/PAGAC-Meeting-2-Summary.pdf</a> (2 pages, ~3 min)</li> <li>• <b>Two Presentations</b> –                 <ul style="list-style-type: none"> <li>○ <a href="https://health.gov/paguidelines/second-edition/meetings/2/10-Promotion-of-Physical-Activity.pdf">https://health.gov/paguidelines/second-edition/meetings/2/10-Promotion-of-Physical-Activity.pdf</a> (8 slides, ~8 min) <b>and</b></li> <li>○ <a href="https://health.gov/paguidelines/second-edition/meetings/2/11-Sedentary-Behavior.pdf">https://health.gov/paguidelines/second-edition/meetings/2/11-Sedentary-Behavior.pdf</a> (10 slides, 10 min)</li> </ul> </li> </ul> </li> <li>• <b>Meeting 3</b> – web page - <a href="https://health.gov/paguidelines/second-edition/meetings/3/">https://health.gov/paguidelines/second-edition/meetings/3/</a> (~2 min)             <ul style="list-style-type: none"> <li>• <b>Summary</b> – read only <b>Sedentary Behavior</b> and <b>Promotion of Physical Activity Subcommittees</b> text on page 4-6 <a href="https://health.gov/paguidelines/second-edition/meetings/3/PAGAC-Meeting-3-Summary.pdf">https://health.gov/paguidelines/second-edition/meetings/3/PAGAC-Meeting-3-Summary.pdf</a> (3 pages, ~3 min)</li> <li>• <b>Two Presentations – Promotion of Physical Activity and Sedentary Behaviors Subcommittees</b> –                 <ul style="list-style-type: none"> <li>○ <a href="https://health.gov/paguidelines/second-edition/meetings/3/07-Promotion.pdf">https://health.gov/paguidelines/second-edition/meetings/3/07-Promotion.pdf</a> (10 slides, 5 to 10 min) <b>and</b></li> <li>○ <a href="https://health.gov/paguidelines/second-edition/meetings/3/05-Sedentary.pdf">https://health.gov/paguidelines/second-edition/meetings/3/05-Sedentary.pdf</a> (17 slides, 8 to 17 min)</li> </ul> </li> </ul> </li> <li>• <b>Meeting 4</b> – web page- <a href="https://health.gov/paguidelines/second-edition/meetings/4/">https://health.gov/paguidelines/second-edition/meetings/4/</a> (~2 min)             <ul style="list-style-type: none"> <li>• <b>Summary</b> – read only <b>Sedentary Behaviors and Promotion of Physical Activity Subcommittees</b> text on pages 22-26, 28–31 - <a href="https://health.gov/paguidelines/second-edition/meetings/4/PAGAC-Meeting-4-Summary.pdf">https://health.gov/paguidelines/second-edition/meetings/4/PAGAC-Meeting-4-Summary.pdf</a> (9 pages, 15 min)</li> <li>• <b>Two Presentations – Sedentary Behaviors and Promotion of Physical Activity Subcommittees</b> –                 <ul style="list-style-type: none"> <li>○ <a href="https://health.gov/paguidelines/second-edition/meetings/4/09-Sedentary-Behavior-SC-Presentation.pdf">https://health.gov/paguidelines/second-edition/meetings/4/09-Sedentary-Behavior-SC-Presentation.pdf</a> (60 slides, 30 to 60 min) <b>and</b></li> <li>○ <a href="https://health.gov/paguidelines/second-edition/meetings/4/11-Promotion-of-Physical-Activity-SC-Presentation.pdf">https://health.gov/paguidelines/second-edition/meetings/4/11-Promotion-of-Physical-Activity-SC-Presentation.pdf</a> (35 slides, 23 to 35 min)</li> </ul> </li> </ul> </li> <li>• <b>Meeting 5</b> -web page - <a href="https://health.gov/paguidelines/second-edition/meetings/5/">https://health.gov/paguidelines/second-edition/meetings/5/</a> (~2 min)             <ul style="list-style-type: none"> <li>• <b>Summary</b> - read only <b>Promotion of Physical Activity Subcommittee</b> (pages 26-29, Sedentary Behavior Subcommittee did not have a presentation at this meeting) <a href="https://health.gov/paguidelines/second-edition/meetings/5/PAGAC-Meeting-5-Summary.pdf">https://health.gov/paguidelines/second-edition/meetings/5/PAGAC-Meeting-5-Summary.pdf</a> (4 pages, ~10 min)</li> </ul> </li> </ul>
---	--

Study Guide for  
The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

	<ul style="list-style-type: none"> <li>• <b>Presentation - Promotion of Physical Activity Subcommittee -</b> <a href="https://health.gov/paguidelines/second-edition/meetings/5/09-PA-Promotion-SC-Presentation.pdf">https://health.gov/paguidelines/second-edition/meetings/5/09-PA-Promotion-SC-Presentation.pdf</a> (35 slides, 23 to 35 min)</li> </ul>
<p style="text-align: center;">~1.0 hour</p>  <p style="text-align: center;"><b>IN THIS SECTION:</b></p> <p>information about the Move Your Way Campaign, applying the interactive tool, and Partner Promotion Toolkit</p> <p>Three test questions from this section.</p> 	<p style="text-align: center;"><b>Section 6: Move Your Way Campaign</b></p> <p><b>After studying the material in this section, the participant will be able to:</b></p> <ul style="list-style-type: none"> <li>• Describe the materials and resources for implementing older adult physical activity programs</li> <li>• Apply the interactive Activity Planner tool by making a “Your physical activity plan this week”</li> </ul> <p><b>Assignments</b></p> <ul style="list-style-type: none"> <li>• <b>Read/study –</b> <ul style="list-style-type: none"> <li>• <b>Move Your Way Campaign Materials –</b> <a href="https://health.gov/paguidelines/moveyourway/">https://health.gov/paguidelines/moveyourway/</a> (~5 min)</li> <li>• <b>Fact Sheets –</b> <a href="https://health.gov/paguidelines/moveyourway/#factsheets">https://health.gov/paguidelines/moveyourway/#factsheets</a> (~3 min)</li> <li>• <b>Posters -</b> <a href="https://health.gov/paguidelines/moveyourway/#posters">https://health.gov/paguidelines/moveyourway/#posters</a></li> <li>• <b>Videos -</b> <a href="https://health.gov/paguidelines/moveyourway/#videos">https://health.gov/paguidelines/moveyourway/#videos</a></li> </ul> </li> <li>• <b>Mover Your Way web site -</b> <a href="https://health.gov/moveyourway/">https://health.gov/moveyourway/</a>  <ul style="list-style-type: none"> <li>• Select the <b>one(1)</b> of the two, <b>For Adults</b> or <b>For Parents</b>. Use the Interactive Tool (adults) or Interactive Graphic (parents to help kids move more). Which ever one you select be prepared to describe what you learned and might use it for yourself, another adult or kids)</li> <li>• <b>For Adults -</b> <a href="https://health.gov/moveyourway/#adults">https://health.gov/moveyourway/#adults</a> (~2 min)</li> <li>• <b>For Parents -</b> <a href="https://health.gov/moveyourway/#parents">https://health.gov/moveyourway/#parents</a></li> </ul> </li> <li>• <b>For Adults - Ready to get started? “Use our interactive tool” -</b> <a href="https://health.gov/MoveYourWay/Activity-Planner/">https://health.gov/MoveYourWay/Activity-Planner/</a> <ul style="list-style-type: none"> <li>• <b>Plan your week –</b> from <b>Let’s go!</b> button - <a href="https://health.gov/MoveYourWay/Activity-Planner/activities/">https://health.gov/MoveYourWay/Activity-Planner/activities/</a> (~30 min to plan your activities for a week) – to answer a test question be prepared to describe “<b>Your physical activity plan this week</b>” after you used the Activity Planner. Be able to state personalized activity settings, minutes &amp; types of aerobic activity, and days &amp; types of strengthening activities. You can plan activities on a cell phone or computer. After you create a plan click on the <b>Review your week</b> at the bottom of the column of your activities).</li> <li>• <b>Watch the video “Stick with it! Move Your Way: Tips for Getting Motivated</b> (<a href="https://youtu.be/0i1ICNHaxhs">https://youtu.be/0i1ICNHaxhs</a>) From web page reviewing your plan. (~3 min)</li> <li>• <b>Read the eight (8) tips from the web page reviewing your plan –</b> click on the <b>See more tips ↓</b> button (~5 min)</li> </ul> </li> <li>• <b>For Parents – Help your kids get more physical activity – “Use our interactive graphic”</b> <a href="https://health.gov/moveyourway/get-kids-active">https://health.gov/moveyourway/get-kids-active</a> <ul style="list-style-type: none"> <li>• Use the sliders to see how your kids could meet the 60-minute goal. For the test, be prepared to describe what you learned and how you used it to help your kids move more.</li> </ul> </li> </ul>

**Study Guide for  
The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)**

	<ul style="list-style-type: none"> <li>• Check the video for tips on getting active as a family. Share the physical activity fact sheet with your kids.</li> <li>• <b>Partner Promotion Toolkit -</b> <a href="https://health.gov/paguidelines/moveyourway/toolkit/">https://health.gov/paguidelines/moveyourway/toolkit/</a> (read text and view the sample social media messages, graphics, and GIFs, ~10 min)</li> <li>• <b>For Professional Audiences –</b> Review the text and pictures for the Twitter Content for <a href="#">Professional Audiences</a> <a href="https://health.gov/paguidelines/moveyourway/toolkit/#professional">https://health.gov/paguidelines/moveyourway/toolkit/#professional</a> (~3 min)</li> </ul>
<p>~1.0 hour</p> <p><b>IN THIS SECTION:</b></p> <p><b>Be sure cookies are enabled on the browser you will use to take the test.</b></p> <p>Instructions to get completion certificate, enable cookies, and being able to return to the test.</p> <p>Cookies allow you to leave the test and return to answer more questions.</p>	<p><b>Take XX Question Test and Complete the Course Evaluation</b> Course evaluation questions are included after the last test question.</p> <p>The test has XX questions (4 true/false, 19 multiple choice questions, and seven short answer (≤50 word) questions). To get the five points for answering the short answer questions be sure to click “Yes” on the question following the text box.</p> <p><b>Name, Certification &amp; ID#, Email Address:</b> Be sure provide your name and CHES/MCHES or other type of certificate <b>plus</b> ID/registration number that should be on your completion certificate. Give email address so your completion certificate can be emailed to you.</p> <p><b>How to Take the Test:</b> You can go back and change answers even after you complete the test. You can "Exit" the test and return to answer more questions (only on the same device (computer, laptop, cell phone; a cookie allows this). To be sure cookies are enabled for use instructions from this SurveyMonkey link: <a href="https://help.surveymonkey.com/articles/en_US/kb/How-do-I-enable-cookies-on-my-computer">https://help.surveymonkey.com/articles/en_US/kb/How-do-I-enable-cookies-on-my-computer</a>.</p> <p>After the last test and course evaluation questions you will see your score with percent correct and test answers, and summary of responses of other test takers. If you scored less than 70% you can retake the test.</p> <p><b>Notifying Health Education Partners of Test Completion:</b> After you complete the test a notification is automatically sent to Health Education Partners (but it arrives day after you complete the test). To ensure, however, Health Education Partners knows you completed the test complete the short form on the web page you will be taken to after clicking the last "Done" button. The link to that web page is: <a href="http://www.healthedpartners.org/verify-course-completion.html">http://www.healthedpartners.org/verify-course-completion.html</a>.</p> <p><b>Completion Certificate:</b> Your completion certificate will usually emailed to you within 72 hours (most often same day) after notification the test was completed.</p> <p>Complete the test online at this link: <a href="https://www.surveymonkey.com/r/olderadultpa">https://www.surveymonkey.com/r/olderadultpa</a></p> <p>If you have any questions, contact Jim Grizzell at <a href="mailto:jimgrizzell@healthedpartners.org">jimgrizzell@healthedpartners.org</a>.</p>

**About the Course Creator**

Jim Grizzell has over 50 years’ experience in regular exercise, plus education and certifications in health and fitness. He received MA in Exercise Science in 1981 from Cal State LA. He was the graduate lab assistant in the Sports Medicine Lab and MA thesis was on EKGs of long distance women runners. He has been an American College of Sports Medicine (ACSM, [www.acsm.org](http://www.acsm.org)) Certified Exercise Physiologist (ACSM-EP-C,



# Study Guide for The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

certificate #17) since 1982 (took ACSM's first exam). Fitness and exercise work experience has been as a physical education faculty in the Women's Physical Education Department at Pasadena Community College; fitness director for Pasadena Athletic Club and the Chevron Oil Field Research Center fitness center; manager of Brunswick Corporation's Deer Creek Athletic Club; and as a personal trainer. Currently he is on the Tice Creek Fitness Center Advisory Committee for the Rossmoor retirement community (<https://rossmoor.com/residents/fitness-center/>).

Regular physical activity began with jogging a mile a day as a way to lose about 10 lb. gained from a desk job after bachelor's degree. He ran a 2-hour 53-minute marathon and 5 min 7 second mile in his 30's. Currently regular physical activity is at least 150 minutes a week of regular vigorous physical activity and over 300 minutes per week of moderate to vigorous physical activity. This includes:



- **Run** ~25 miles a week (mornings, includes interval training two times (~2 miles each time) per week,
- **Cycle** two times per week for total of 40 to 50 miles per week. Tuesday with [www.meetup.com/CoCoCyclists](http://www.meetup.com/CoCoCyclists), and another solo ride or with a few friends.
- **Strength training** 2 or 3 days per week with at least 48 hours separating exercise sessions for the same muscle group. Twelve (12) exercises in a circuit of three sets of 8 to 12 repetitions maximum (RM, ~80% to ~60% of 1 RM) for each exercise.
  - strength exercises include (in this order) abs, leg press, straight leg calf press, dumbbell chest press, leg/knee extension, seated row, back extension, leg curl, overhead press, dorsiflexion, seated calf press, and lat pull (65 to 70 minutes per session)
  - most of the exercises are multiple joint exercises with free weights and machines are used
  - exercise order alternates opposing muscle groups (agonists and antagonists) front and back, and upper and lower muscle groups (e.g. chest and upper back, quadriceps and hamstring muscles)
- **Swim** 2 or 3 20-30 minutes sessions per week.

Jim received the [National Commission for Health Education Credentialing](#) Certified Health Education Specialist (CHES®) in 1991 and Master Certified Health Education Specialist (MCHES®) in 2011. Recent work included the US Air Force Health Fitness Program Manager in the Air Force Surgeon General's office and adjunct faculty for the Contra Costa College Health Education Department.



## NCHEC CHES/MCHES Competencies Addressed in the Course

### National Commission on Health Education Credentialing (NCHEC) Competencies\*

#### Area 1: Assess Needs, Resources, and Capacity for Health Education/Promotion

- 1.1 Plan assessment process for health education/promotion**
  - 1.1.1 Define the priority population to be assessed
  - 1.1.4 Apply theories and/or models to assessment process**
- 1.2 Access existing information and data related to health**
  - 1.2.1 Identify sources of secondary data related to health
  - 1.2.2 Establish collaborative relationships and agreements that facilitate access to data**
  - 1.2.3 Review related literature
  - 1.2.4 Identify gaps in the secondary data
- 1.4 Analyze relationships among behavioral, environmental, and other factors that influence health
- 1.7 Determine needs for health education/promotion based on assessment findings**
  - 1.7.1 Synthesize assessment findings**
  - 1.7.2 Identify current needs, resources, and capacity



Study Guide for  
The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

- 1.7.4 Develop recommendations for health education /promotion based on assessment findings
- 1.7.5 Report assessment findings

**Area II: Plan Health Education/Promotion**

- 2.1 Involve priority populations, partners, and other stakeholder in the planning process**
- 2.2 Develop goals and objectives**
- 2.3 Select or design strategies/intervention**
  - 2.3.2 Assess efficacy of various strategies/interventions to ensure consistency with objectives**
  - 2.3.3 Apply principles of evidence-based practice in selecting and/or designing strategies/interventions**
  - 2.3.6 Identify delivery methods and settings to facilitate learning
  - 2.3.7 Tailor strategies/intervention for priority populations
- 2.4 Develop a plan for the delivery of health education/promotion
  - 2.4.2 Identify the resources involved in the delivery of health education/promotion
  - 2.4.8 Develop a process for integrating health education /promotion into other programs when needed**

**Area III: Implement Health Education/Promotion**

- 3.1 Coordinate logistics necessary to implement plan**
  - 3.1.2 Develop materials to implement plan
  - 3.1.3 Secure resources to implement plan
  - 3.3.2 Collect baseline data

**Area IV: Conduct Evaluation and Research Related to Health Education/Promotion**

- 4.2 Develop a research plan for health education promotion**
- 4.3 Select, adapt and/or create instruments to collect data**
  - 4.3.1 Identify existing data collection instruments**
- 4.5 Analyze data**
- 4.6 Interpret results**
  - 4.6.1 – Synthesize, explain, compare, propose, identify limitations, draw conclusions, develop**
  - 4.6.8 recommendations**
- 4.7 Apply findings**
  - 4.7.4 Incorporate findings into program improvement and refinement
  - 4.7.5 Disseminate finding using a variety of methods**

**Area V: Administer and Manage Health Education/Promotion**

- 5.3 Manage relationships with partners and other stakeholders**
  - 5.3.2 Facilitate discussions with partners and other stakeholders regarding program resource needs**
- 5.4.2 Identify evidence to justify programs**

**Area VI: Serve as a Health Education/Promotion Resource Person**

- 6.1 Obtain and disseminate health-related information**
- 6.3 Provide advice and consultation on health education/promotion issues**
  - 6.3.3 Provide expert assistance and guidance**

**Area VII: Communicate, Promote, and Advocate for Health, Health Education/Promotion and the Profession**

- 7.1 Identify, develop, and deliver messages using a variety of communication strategies, methods and techniques**
  - 7.1.7 Deliver messages using media and communication strategies
- 7.3.5 Use evidence-based findings in policy analysis**
  - 7.3.6 Develop policies to promote health using evidence-based findings**
  - 7.4.9 Serve as a mentor to others in the profession**
  - 7.4.11 Engage in service to advance the profession**

## Study Guide for The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

\* **Areas of Responsibility and Competencies for Health Education Specialists** (HESPA 2015) available at this link: [www.nche.org/responsibilities-and-competencies](http://www.nche.org/responsibilities-and-competencies) and [www.nche.org/assets/2251/hespa\\_competencies.pdf](http://www.nche.org/assets/2251/hespa_competencies.pdf)

### Additional Optional Materials

#### **ACSM Publishes Scientific Pronouncements Related to the 2018 PAG for Americans**

This short article gives an overview of the process of finding the evidence and mentions that 17 of the 17 Advisory Committee members are ACSM members.

American College of Sports Medicine’s Sports Medicine Bulletin. By Lynette Craft Ph.D., FACSM.  
<http://www.multibriefs.com/briefs/acsm/active052119.htm>

#### **ACSM Scientific Pronouncements: Physical Activity Guidelines for Americans**

“ACSM is pleased to present the scientific reviews underlying the second edition of the Physical Activity Guidelines. Health professionals, scientists, community organizations and policymakers can use the papers included in the *ACSM Scientific Pronouncements: Physical Activity Guidelines for Americans, 2<sup>nd</sup> Edition* to promote more active, healthier lifestyles for individuals and communities.”

<https://www.acsm.org/acsm-positions-policy/physical-activity-guidelines-for-americans/>  
<https://journals.lww.com/acsm-msse/pages/currenttoc.aspx>

#### **Items from the Guidelines that were not Included**

#### **Meet the 2018 Physical Activity Guidelines Advisory Committee**

Posted on [June 29, 2016](#) by [ODPHP](#)

<https://health.gov/news/blog/2016/06/meet-the-2018-physical-activity-guidelines-advisory-committee/>

#### **Public Comments –**

Search comments by text (e.g., school, adult, sedentary), or organization or affiliation (e.g. coalition, sports for groups like American College of Sports Medicine. <https://health.gov/paguidelines/pcd/>

**Part H-4. Description of public comment process and link to public comment data base.** 131 comments were submitted and 109 were relevant to the Committee’s work.

[https://health.gov/paguidelines/second-edition/report/pdf/22\\_H\\_Appendix\\_4\\_Public\\_Comment\\_Process.pdf](https://health.gov/paguidelines/second-edition/report/pdf/22_H_Appendix_4_Public_Comment_Process.pdf) (3 page, < 5 min)

**Scientific Report Part H. Appendices** (click on the appendices’ hyperlinks to read)

[Appendix H-1. Glossary of Terms \[PDF - 874 KB\]](#)

[Appendix H-2. PAGAC Subcommittee and Work Group assignments \[PDF - 540 KB\]](#)

[Appendix H-3. Biographical sketches of PAGAC members \[PDF - 783 KB\]](#)

[Appendix H-4. Description of public comment process and link to public comment database \[PDF - 651 KB\]](#)

#### **Presentation**

**Tools to Create a Healthy Aging Exercise Program - Evidence-Based and Evidence-Informed Guidelines**

Presentation (PPT & pdf formats) and Handout (pdf) are at: <http://www.healthedpartners.org/ceu/pa-healthyaging/>

## Study Guide for The “Evidence-Based” Physical Activity Guidelines for Americans (2<sup>nd</sup> ed)

S M A R T	SPECIFIC MEASURABLE ATTAINABLE RELEVANT TIME-BOUND				
			Aerobic	Strength	Flexibility & Balance
		Frequency	≥3 days per week, trend to ≥5 days per week *	≥2 days week	2 to 3 days per week
		Intensity	Moderate to vigorous **	50% to 80% of 1RM ****	To point of light to mild tension
		Time	≥150 minutes/week (moderate-intensity) ***	5 to 30 repetitions, 3 to 14 seconds/rep, 1 to 3 sets	10 to 40 seconds per stretch or position
		Type	Rhythmic, continuous physical activity	Body & external weights; all muscle groups *****	Stretch, balance, yoga, all major muscle groups

Presented at Rossmoor Retirement Community (Walnut Creek, CA) – June 2018  
~10,000 residents, over 55 years older, average age = 77

<https://rossmoor.com/>

<https://rossmoor.com/residents/fitness-center/>

<https://www.ticfitnesscenter.com/>

Feel free to use and adapt the PowerPoint and handout. Let Jim Grizzell know how you use it ([jimgrizzell@healthedpartners.org](mailto:jimgrizzell@healthedpartners.org)).

Jim is a member of the Rossmoor Fitness Center Advisory Committee.

### Healthy People 2020 and Healthy People 2030

#### Healthy People 2020

<https://www.healthypeople.gov/>



- **Topic Areas**
  - Physical Activity - <https://www.healthypeople.gov/2020/topics-objectives/topic/physical-activity>

#### Healthy People 2030 (being developed)

<https://www.healthypeople.gov/2020/About-Healthy-People/Development-Healthy-People-2030>



- **Proposed Objectives**  
[https://www.healthypeople.gov/sites/default/files/ObjectivesPublicComment508\\_1.17.19.pdf](https://www.healthypeople.gov/sites/default/files/ObjectivesPublicComment508_1.17.19.pdf)
- Exercise related proposed objectives are:
  - Increase the proportion of older adults with reduced physical or cognitive function who engage in light, moderate, or vigorous leisure-time physical activities
  - Reduce the rate of emergency department visits due to falls among older adults

From Problem to Prevention: Evidence-Based Public Health  
National Library of Medicine course.

<https://nnlm.gov/class/problem-prevention-evidence-based-public-health/11435>

<https://nnlm.gov/classes/problem-prevention-evidence-based-public-health>

Course Presentation

[https://nnlm.gov/sites/default/files/shared/files/Class\\_Materials/From\\_Problem\\_to\\_Prevention\\_Slides\\_181024.pptx](https://nnlm.gov/sites/default/files/shared/files/Class_Materials/From_Problem_to_Prevention_Slides_181024.pptx)

Resources for the presentation

[https://nnlm.gov/sites/default/files/shared/files/Class\\_Materials/From\\_Problem\\_to\\_Prevention\\_Links\\_181030.pdf](https://nnlm.gov/sites/default/files/shared/files/Class_Materials/From_Problem_to_Prevention_Links_181030.pdf)