

STUDENT

User Guide for
HeartCode
ACLS



February 2009

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Frequently Asked Questions are located throughout this guide.
For more information please see your HeartCode Administrator.

Introduction to HeartCode ACLS

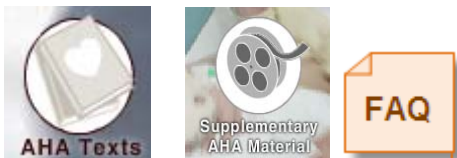
The American Heart Association's HeartCode ACLS program is a self-directed learning program that allows you to review, practice and test at your own pace. As you go through the program, you will receive objective feedback on the evaluation of your skills.

HeartCode ACLS contains all of the lessons from the ACLS text. Students can review the material from start to finish or choose to focus on specific topics.\

HeartCode ACLS features microsimulation technology with realistic patient cases. The cases will require you to assess the patient, formulate a treatment plan based on the ACLS algorithms, and provide treatment.

Upon completion of a given scenario, you will be presented with a detailed debriefing. The debriefing is an account of your actions, both correct and incorrect. Suggestions for improvement are offered and all appropriate reference material is hyperlinked to the debriefing, allowing for immediate remediation.

Optional **AHA Reference Material** is available throughout the course wherever you see the "AHA Texts" or Supplementary AHA Material logos.



The available AHA materials are:

- ACLS Providers Manual
- 2005 AHA Guidelines for Cardiopulmonary Resuscitation & Emergency Cardiovascular Care
- ACLS Core Drugs
- ACLS Provider Manual Supplementary Material
- ACLS Science Overview Video
- Nine additional BLS videos
-

HeartCode ACLS Required Activities



HeartCode ACLS Overview- Mandatory overview of course and AHA accreditation policy.

Team Dynamics Lesson – This lesson discusses the importance of team roles, behaviors of effective team leaders and team members, and elements of effective resuscitation team dynamics. You will view the video scenario of a team dynamic lesson and interact as instructed.



Introduction Step 1– This section contains an overview of the navigation and functions of HeartCode ACLS. The instructions will be very helpful in your testing and it is required for completion. (Approximately 3 minutes)

Patient Case Brad Stephens- After completion of the video, you will be required to treat the first of ten patient cases by applying the information from Introduction Part I.

Introduction Step 2- This section is a continuation of Introduction Step 1 and focuses on the more advanced features of the program needed to treat the remaining nine patient cases. (Approximately 3 minutes)

Patient Cases – Each of the interactive patient cases must be completed and passed at least one time. Select a case by clicking on the patient’s name. A description of each patient is provided before you “go to see this patient” in the program. At the end of each scenario, you will have the option to submit the patient case as an actual exam, use it for practice only or continue to treat the patient. If you choose to use the scenario for practice only, you will have to replay the scenario and submit the case as an exam for credit prior to completing HeartCode ACLS Part I.

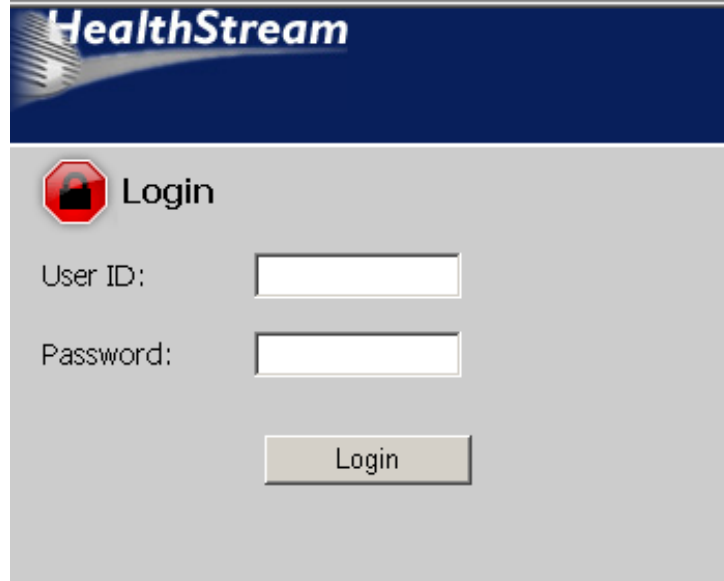
Debriefing – This information will appear after you have completed each patient case scenario. It will provide instant feedback on your performance with a green check mark, indicating correct treatment options and a red ‘x’, indicating incorrect treatment options. Lessons from the AHA textbooks are available by clicking on the underlined topics throughout the debriefing. If you do not agree with the results of your testing or with the feedback, click on the “complain” button to submit your questions or concerns.

Written Exam – After completing each of the patient scenarios, you will take the written exam. It is a twenty-five question, multiple choice test. A score of 84% is required to pass.

Skills Check Off – The skills check can be completed using manikins attached to the computer or with an ACLS instructor. During the manikin skills check, you will be required to demonstrate ventilation and compression skills. Once you have completed the testing section (as indicated by a check mark in all boxes of the Skills Check menu), your completion certificate will be available to print.

How to Access HeartCode ACLS Part One

1. Sign on to HealthStream.



2. Under “My Courses”, select HeartCode ACLS Part I.
3. Click on HeartCode ACLS Overview.
4. Read in its entirety.

Course Learning Activities

You are enrolled in this course. Click the "Course Overview" link above to review the course description, learning objectives, and all available CE credit prior to beginning the learning activities below. (For CE Credit Information, scroll down.)

Learning Activity	Status	Score	Last Accessed
HeartCode ACLS Overview	Not Yet Started		
HeartCode ACLS Part I	Not Yet Started		
Evaluation	Not Yet Started		

5. Upon completion, click “complete “at bottom of page.

To complete this activity and proceed to the course, click on the Complete button.



6. Under “Course Learning Activities”, click on HeartCode ACLS Part I.

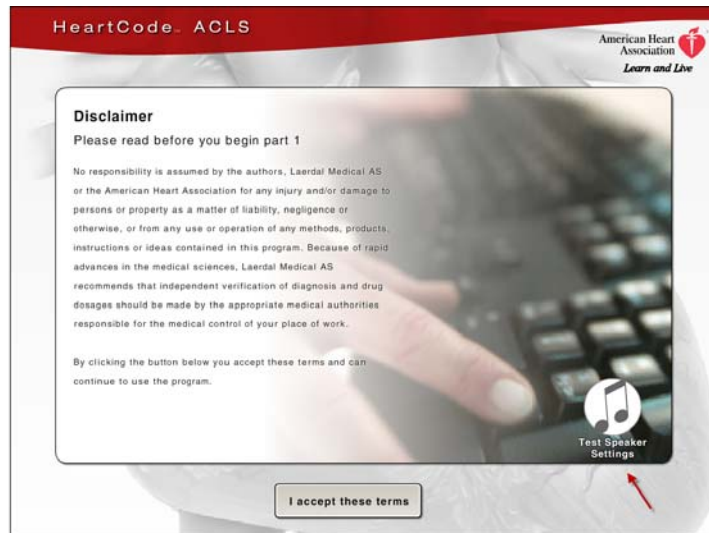
Course Learning Activities

You are enrolled in this course. Click the "Course Overview" link above to review the course description, learning objectives, and all available CE credit prior to beginning the learning activities below. (For CE Credit Information, scroll down.)

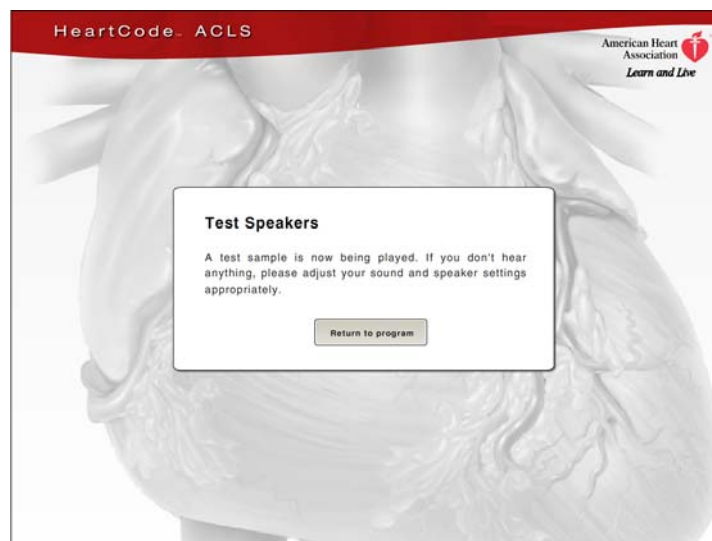
Learning Activity	Status	Score	Last Accessed
HeartCode ACLS Overview	Not Yet Started		
HeartCode ACLS Part 1	Not Yet Started		
Evaluation	Not Yet Started		

How to Test Speaker Settings

1. Before you begin, please test your speaker system by clicking on the “Test Speaker Settings” icon at the bottom of the disclaimer screen.

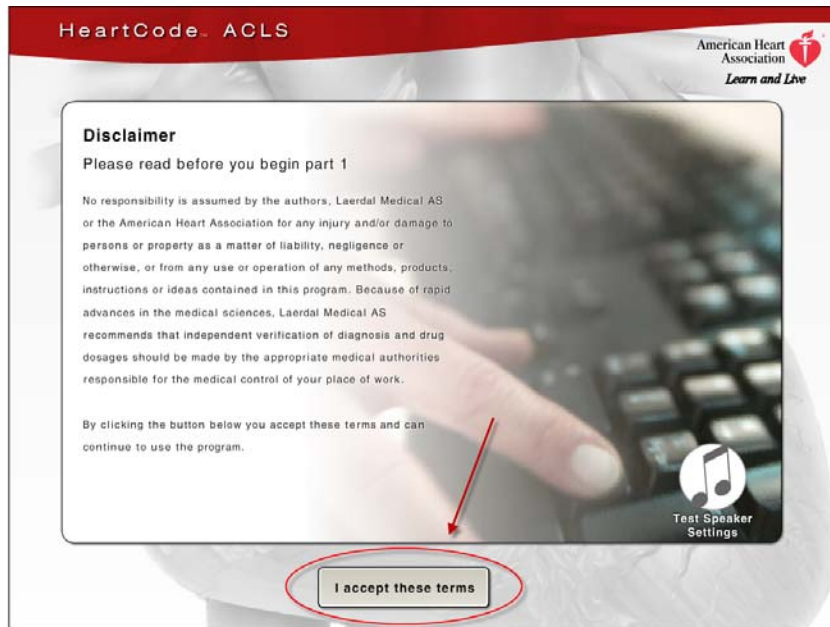


2. Once clicking on the icon, the following screen will appear. If no sound is heard, test your speaker volume and connections. Click “Return to Program” to exit the speaker test. This option will continue to be available throughout the course for trouble shooting.



HeartCode ACLS Part One - Detailed Instructions

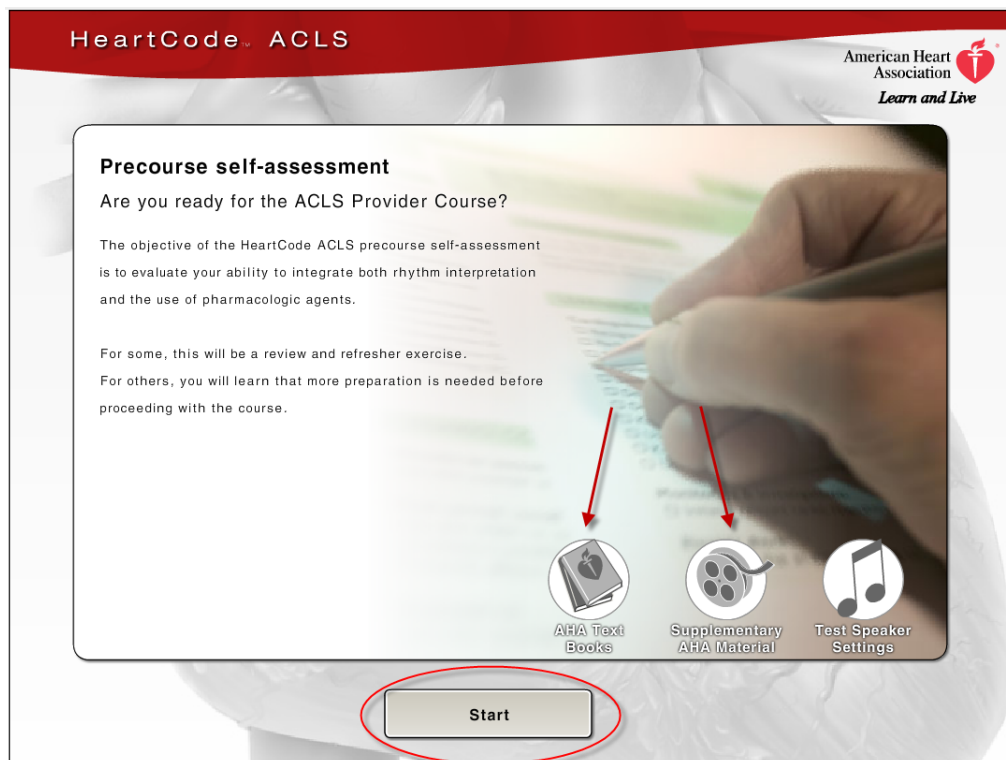
3. The first screen you will see is a Disclaimer. If you agree, click on “I accept these terms”.



4. There is a **Table of Contents** at the top left corner of the screen that will enable you to navigate through the course. When you successfully complete a section, a **green** check mark will appear in front of each section. If a red “X” appears you will need to repeat this section before completing HeartCode ACLS Part I. A **blue** bar represents that section is in progress.

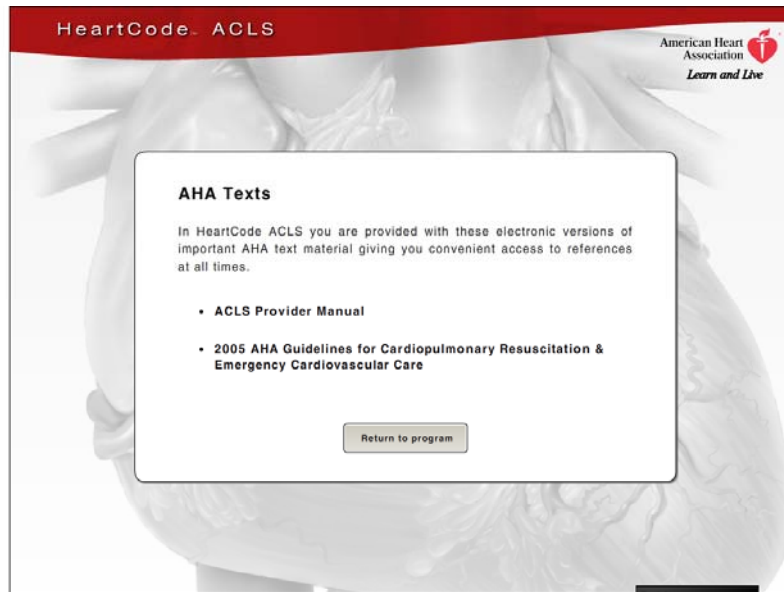
Table of Contents	
HeartCode ACLS Part1	
✓ Disclaimer	
✓ Self assessment	
Team dynamics lesson	
Introduction Step 1	
Brad Stephens	
Introduction Step 2	
Ervin Waters	
John Mitchell	
Stan Loftus	
Derrick Gentry	
Ian Denholm	
Lou Weston	
Walter Hampton	
David Miller	
Paul Smith	
Written exam	
Complete Part 1	

5. Next, you will have the option to complete a pre-course self-assessment. Click on “Start” to begin. The pre-course self-assessment includes the following sections: Rhythm ID, Pharmacology, and Practical Application. There is no passing score in the self-assessment but a score of 80% or higher will help you participate effectively in the lessons and testing sections.



Please note that there are icons in the bottom right corner that provide access to AHA texts.

6. By selecting the AHA Text books or Supplementary AHA Material icons, you will have access to the following important reference material.



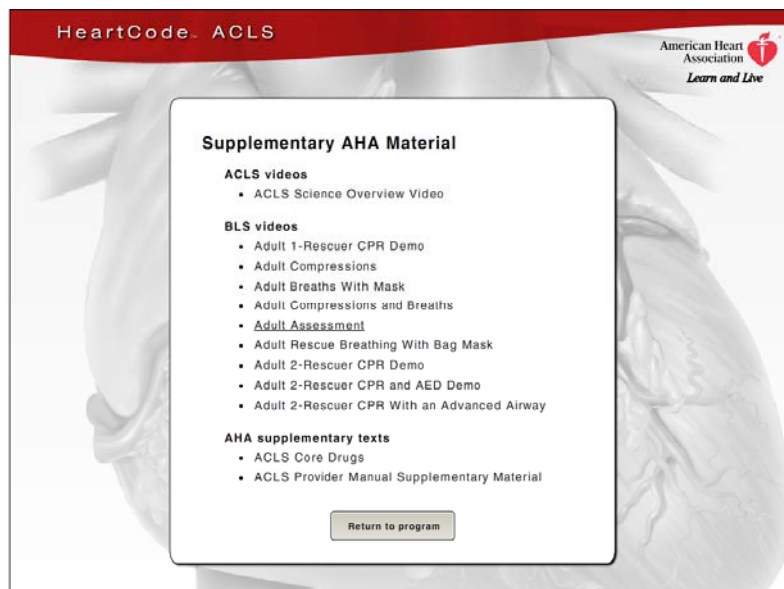
The screenshot shows the HeartCode ACLS interface. At the top, there is a red header with the text "HeartCode. ACLS" on the left and the American Heart Association logo with the tagline "Learn and Live" on the right. The background features a faint, grayscale image of a human heart. A white rectangular box is centered on the screen, containing the following text:

AHA Texts

In HeartCode ACLS you are provided with these electronic versions of important AHA text material giving you convenient access to references at all times.

- **ACLS Provider Manual**
- **2005 AHA Guidelines for Cardiopulmonary Resuscitation & Emergency Cardiovascular Care**

At the bottom of the white box is a button labeled "Return to program".



The screenshot shows the HeartCode ACLS interface. At the top, there is a red header with the text "HeartCode. ACLS" on the left and the American Heart Association logo with the tagline "Learn and Live" on the right. The background features a faint, grayscale image of a human heart. A white rectangular box is centered on the screen, containing the following text:

Supplementary AHA Material

ACLS videos

- ACLS Science Overview Video

BLS videos

- Adult 1-Rescuer CPR Demo
- Adult Compressions
- Adult Breaths With Mask
- Adult Compressions and Breaths
- Adult Assessment
- Adult Rescue Breathing With Bag Mask
- Adult 2-Rescuer CPR Demo
- Adult 2-Rescuer CPR and AED Demo
- Adult 2-Rescuer CPR With an Advanced Airway

AHA supplementary texts

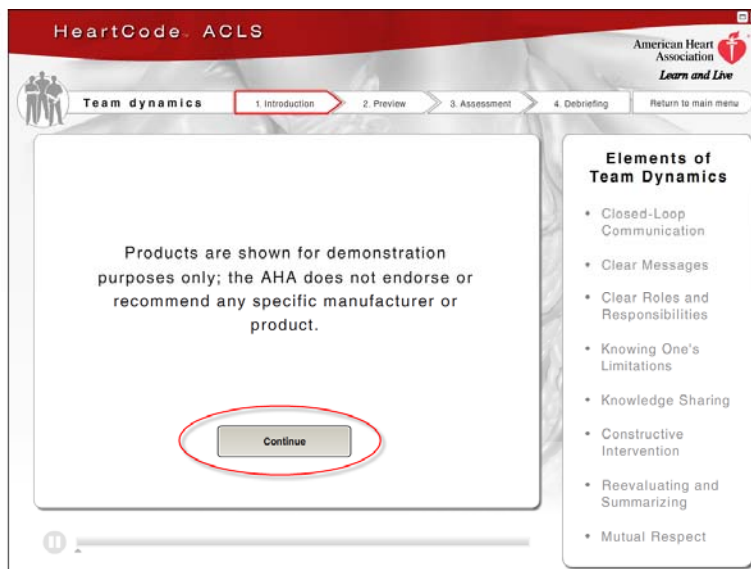
- ACLS Core Drugs
- ACLS Provider Manual Supplementary Material

At the bottom of the white box is a button labeled "Return to program".

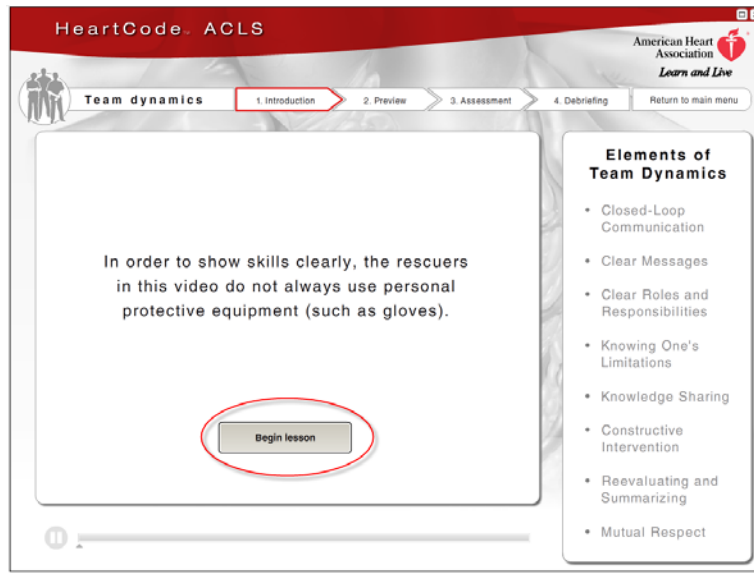
7. The next step is the Team Dynamics lesson. Please note at the beginning of each section in the program you can check your audio by clicking on the “Test Speakers” icon. The “AHA Text Books and Supplementary AHA Material” icons are also available for reference.



8. Next, you will be given an introduction to the microsimulation technology used in this program. Please review the information on the screen before clicking “Start Lesson” then “Continue”.



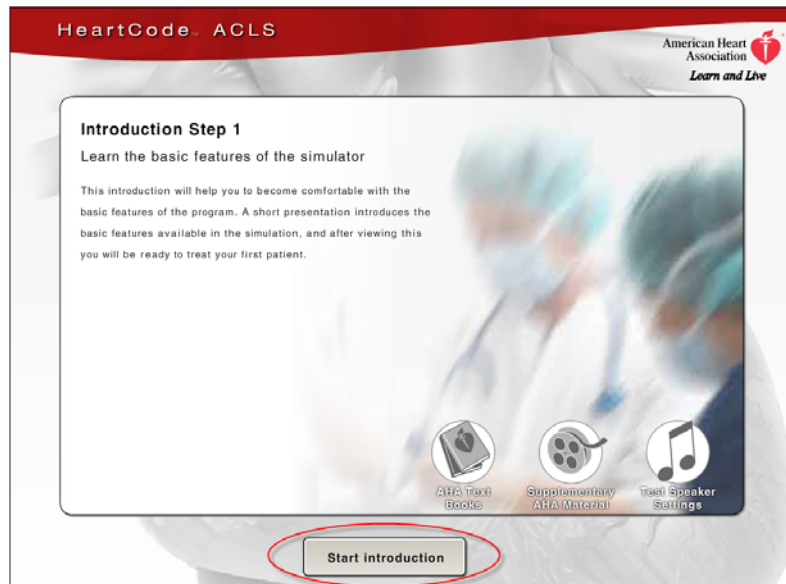
9. You will now be allowed to “Begin Lesson”.



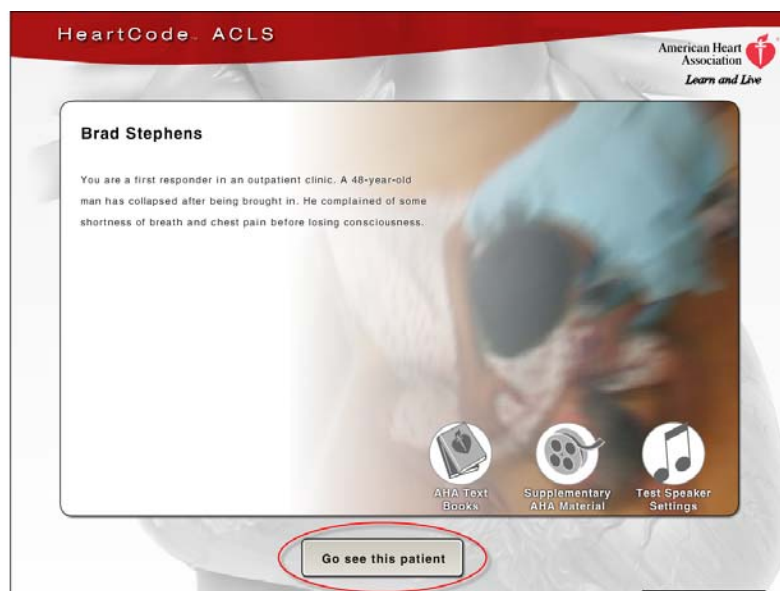
10. The program will automatically prompt you to progress after reviewing each section however; you may proceed to any of the steps by clicking the tabs located at the top of the screen.



11. Next, you will be given an introduction to the microsimulation technology used in this program during **Introduction Step 1** (Approximately 3 minutes). Please note you may press the ESC key to exit full screen mode at any time.

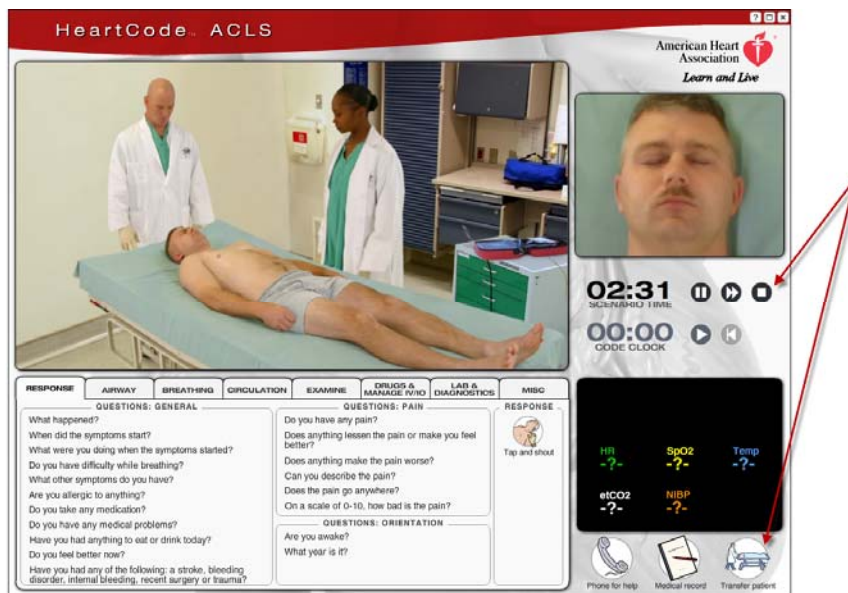


12. Following the video, you may go see the first patient. Unlike the other nine patients in the program, treatment of the first patient focuses primarily on key BLS skills.





13. **IMPORTANT!** You must decide when the case is completed. The scenario will not end until you transfer the patient or stop the scenario.

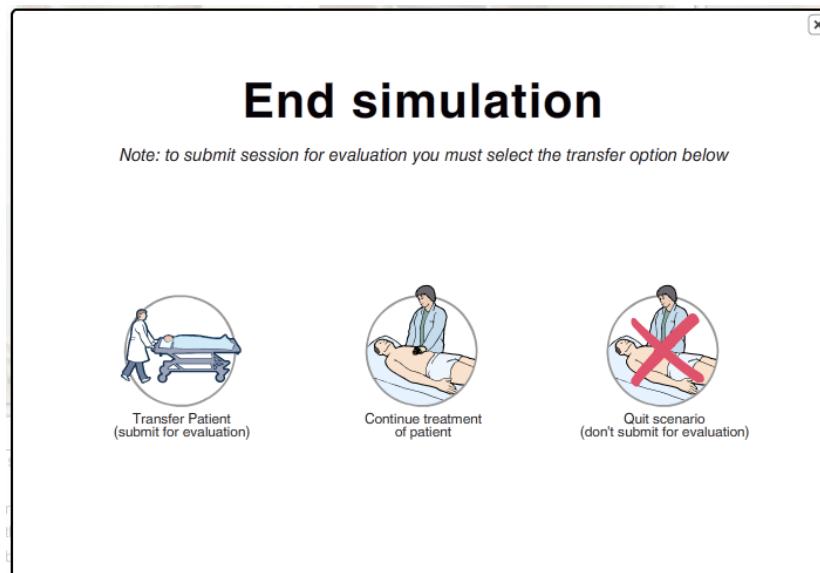


14. The information contained in Introduction Step 2 will be helpful in learning the advanced features of the simulator necessary to treat the nine remaining patients. For example, administering medications, managing IV/IO, labs and diagnostics. (Approximately 3 minutes)

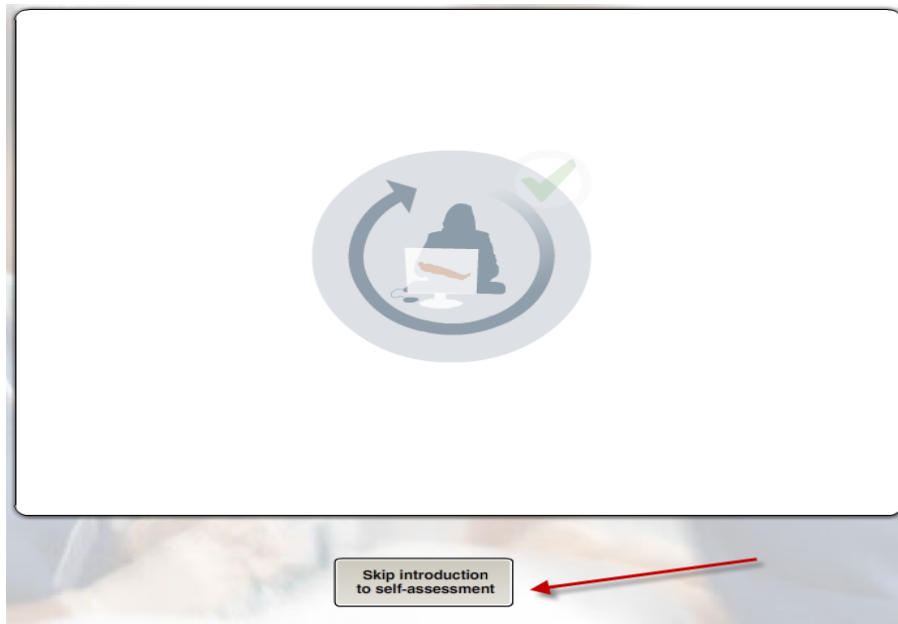


15. You can now begin the patient scenarios.

16. Once you have transferred the patient or stopped treatment, you will complete the Self-Assessment Screen. This screen allows you to assess your performance.



17. You have the option to skip the introduction to self- assessment although it is not recommended.



18a. If you feel confident in your skills and believe you have passed the case, click “Yes, I performed well and would like to submit my performance for evaluation.” This submits the case for as an actual exam for grading.

18b. If you are unsure of your performance and feel that you need additional practice, click “No, I want to practice more before submitting my performance for evaluation”. This submits the case as a practice only; you will still receive a detailed debriefing; however, the case will not be submitted as an actual exam.



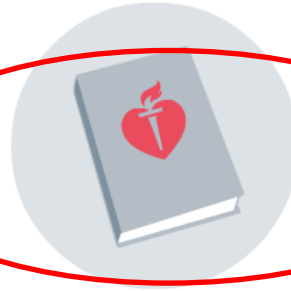
Important: If you fail a scenario after submitting it for grading, you must pass it twice to complete the module. Repeated failures after submitting your exam for grading will require a passing completion of up to three tests.

Assess your performance

Do you believe your performance was correct according to the AHA Guidelines?



No, I would like to practice more before submitting my performance for evaluation

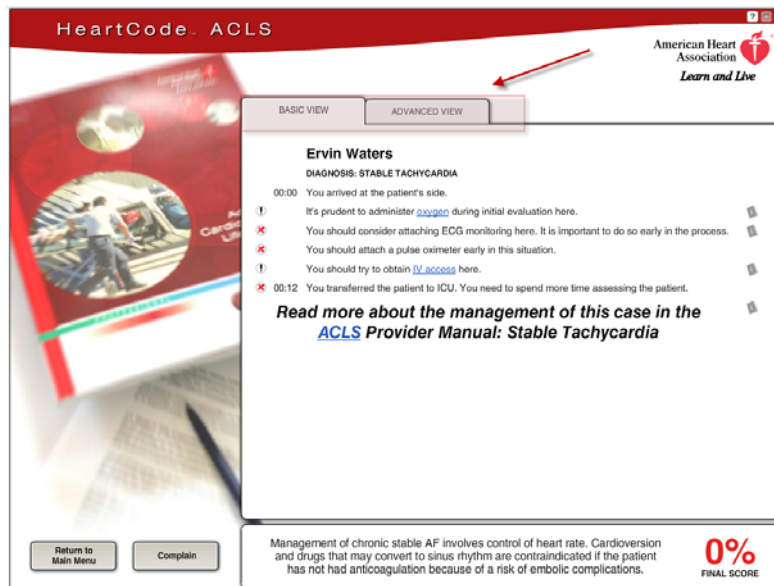


Yes, I performed well and would like to submit my performance for evaluation

19. Review your test results. After selecting “Yes”, your test results will automatically appear, as well as your score and the required passing score.

Debriefing the Case Study


This screen will appear after your test score is shown. It will give you immediate feedback on your performance with a green check mark, indicating correct treatment options and red 'x' indicating incorrect treatment options. More detailed feedback is available by clicking on the advanced view tab at the top of the page. Access to the specific portion of the AHA manual that presents the debriefing topics is available via the [blue](#) hyperlinks. Click on the links for more information.



If you don't agree with the results or have questions about your debriefing feedback, click on "complain" at the bottom of the screen. Your message will be submitted for review and response.



If you have technical difficulties with the course including treatment of patient, submit a complaint immediately after the scenario to have it reviewed by technical support. You will receive a timely response after your case is reviewed; usually within 2 business days.

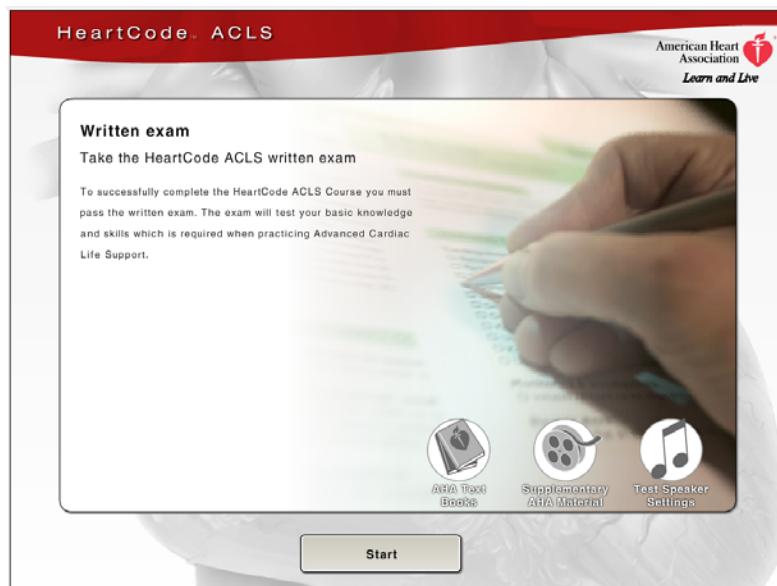
By clicking on the  icon to the right of each debriefing detail, you will find information on the specific reference materials where the information is found.

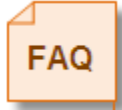


To continue on, you will select “Return to the main menu” .

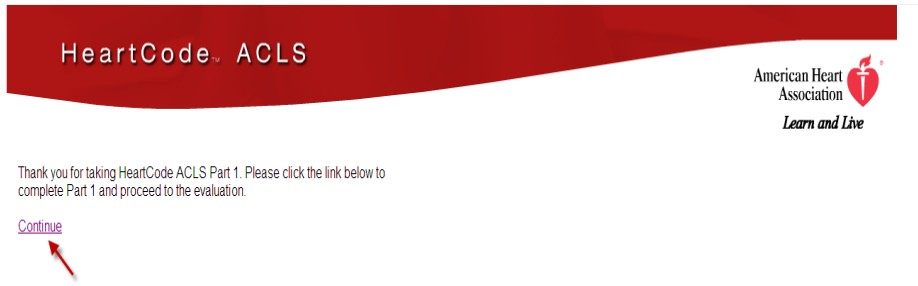
Written Exam

After completing all the patient scenarios, you will be required to take a written exam comprised of twenty-five multiple choice questions. A passing score of 84% is required.





20. Next, click “Continue”, then “Exit Course” and proceed to the course evaluation. The evaluation will not automatically appear.




21. You must complete the course evaluation in order to print your certificate and receive completion code before proceeding to Part 2.

Learning Activity	Additional Information
HeartCode ACLS Overview	
HeartCode ACLS Part 1*	Debriefings
Evaluation*	


HeartCode ACLS Part One Completion Certificate




Once you have passed the exam, complete the course evaluation. The HLC will then record your Part I completion on your transcript and your completion certificate will be available.

 You have successfully completed this course. You can view your certificate below under the CE Credit Information section as well as from the My Transcript tab. To return to your list of assigned and enrolled courses, click the My Courses tab

Course Learning Activities
You are enrolled in this course. Click the "Course Overview" link above to review the course description, learning objectives, and all available CE credit prior to beginning the learning activities below. (For CE Credit Information, scroll down.)

Learning Activity	Additional Information	Status	Score	Last Accessed
 HeartCode ACLS Part 1*	Debriefings	In Progress		8/29/2008 10:37 AM

Continuing Education Credit Information
The list below shows the CE credit for which you qualify, based upon your professional license information in the system. If there is another credit listed on the Course Overview screen for which you qualify, update your professional license information by clicking the "Maintain Disciplines and Licenses" link below (if available) or by contacting your administrator.

Certificate of Completion: [View Certificate](#)  [Maintain Discipline and License Information](#) [Refresh Credits](#)



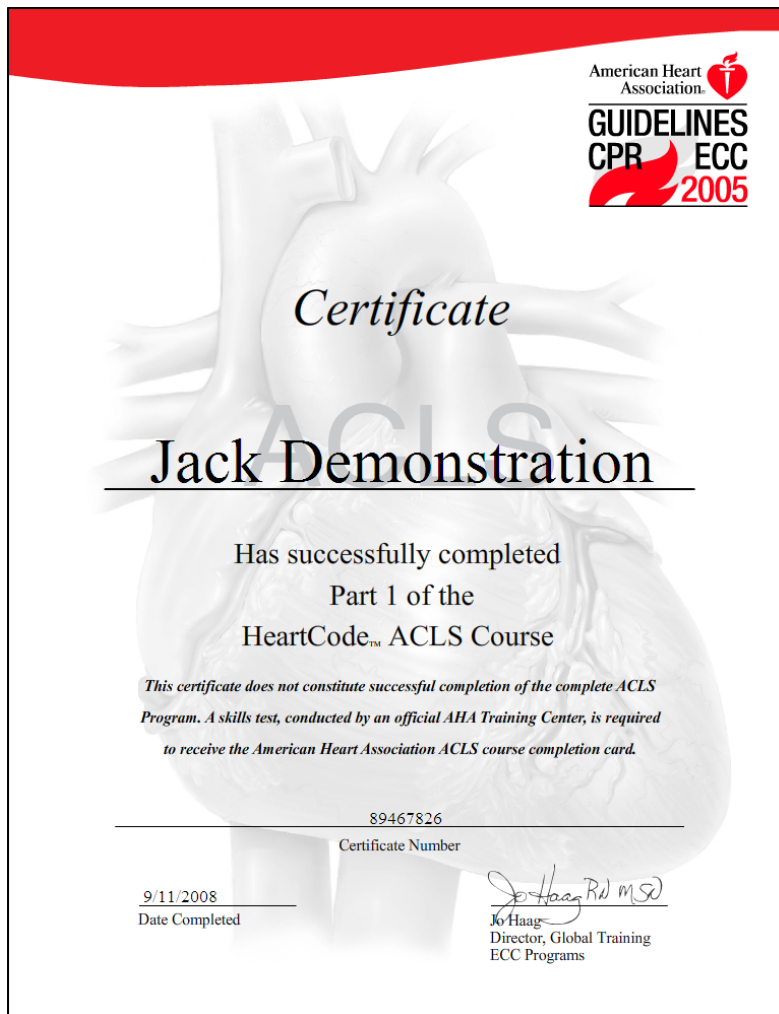
If applicable, qualifying Continuing Education Certificates will be available for print by clicking on the “View Certificate” Tab below this screen.



22. Click on “View Certificate” and write down the code at the bottom of your certificate. Print a copy for your records and as proof of completion for your system administrator.



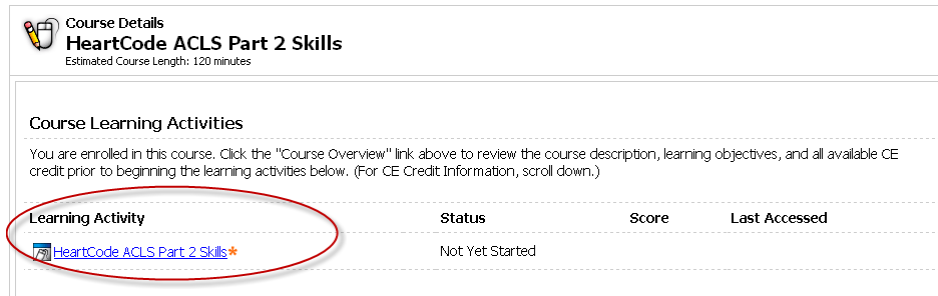
HeartCode completion certificates are valid proof of completion until you receive your AHA completion card; It is however not a substitute.



You will need the certificate number (code) from the bottom of the screen to enter into Part 2.

How to Access HeartCode ACLS Part Two – Skills

1. From your HealthStream “My Courses” page, select HeartCode ACLS Part 2 Skills.
2. Under “Course Learning Activities”, click on HeartCode ACLS Part 2 Skills.



Course Details
HeartCode ACLS Part 2 Skills
Estimated Course Length: 120 minutes

Course Learning Activities

You are enrolled in this course. Click the "Course Overview" link above to review the course description, learning objectives, and all available CE credit prior to beginning the learning activities below. (For CE Credit Information, scroll down.)

Learning Activity	Status	Score	Last Accessed
HeartCode ACLS Part 2 Skills*	Not Yet Started		

3. Enter the 8 character code from your Part I completion certificate then click “Submit”.



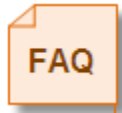
HeartCode[™] ACLS

American Heart Association
Learn and Live

Instructions: Enter the 8 character code from your certificate in Heartcode ACLS (Part 1) and click submit.

Certificate Code:

4. Indicate how you will complete your skills check: with a manikin or instructor.

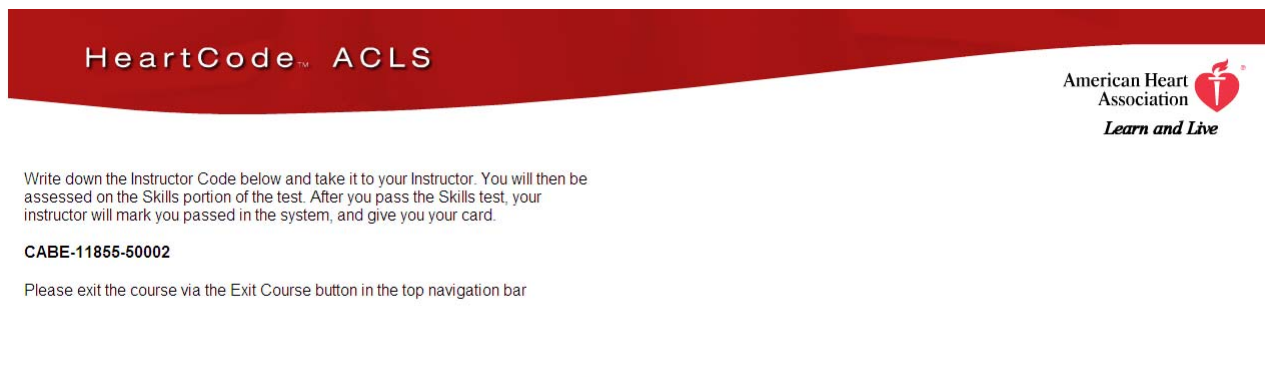


IMPORTANT: You will be asked to confirm your selection. However, if you make a mistake-or need to change Part 2 completion method- return to the Table of Contents, click on “Enter Code” and begin again.

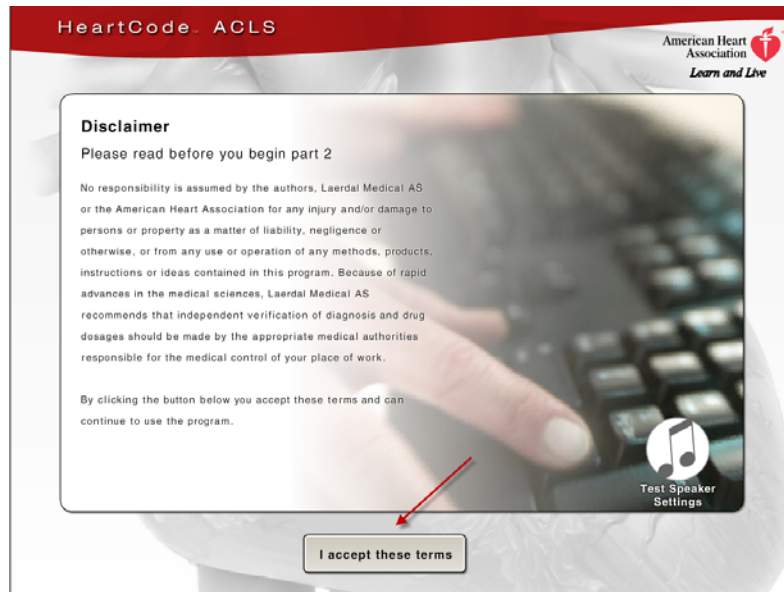


4a. If you indicate that you will complete your skills check with an AHA Instructor, you will be given a code. Please write down the code and present it to your instructor. Your instructor will use this code to enter your completion into the HealthStream Learning Center. *Please skip to the section entitled **HeartCode ACLS Skills Completion Certificate**.*

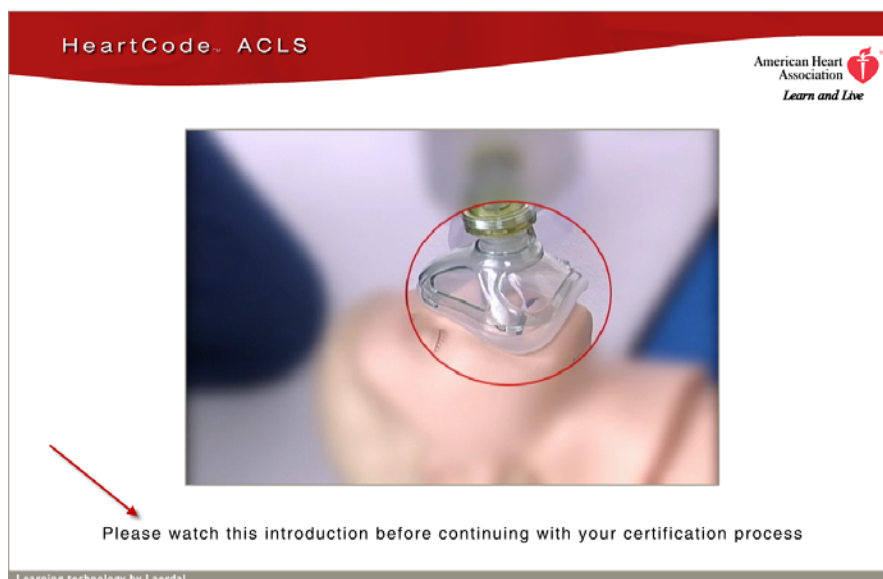
Example:



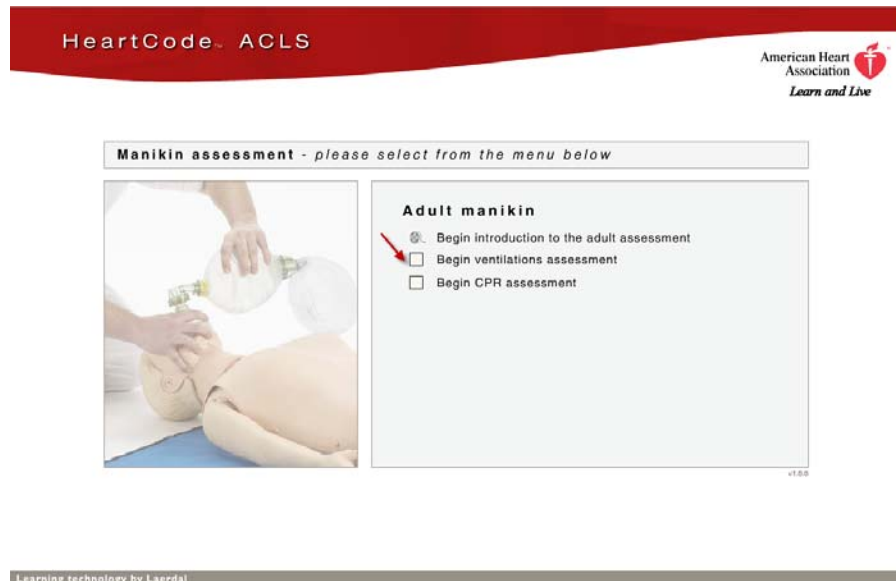
4b. If you indicate that you will complete the skills check using a manikin, you will be directed to a Disclaimer. If you agree, click on, “I accept these terms”.



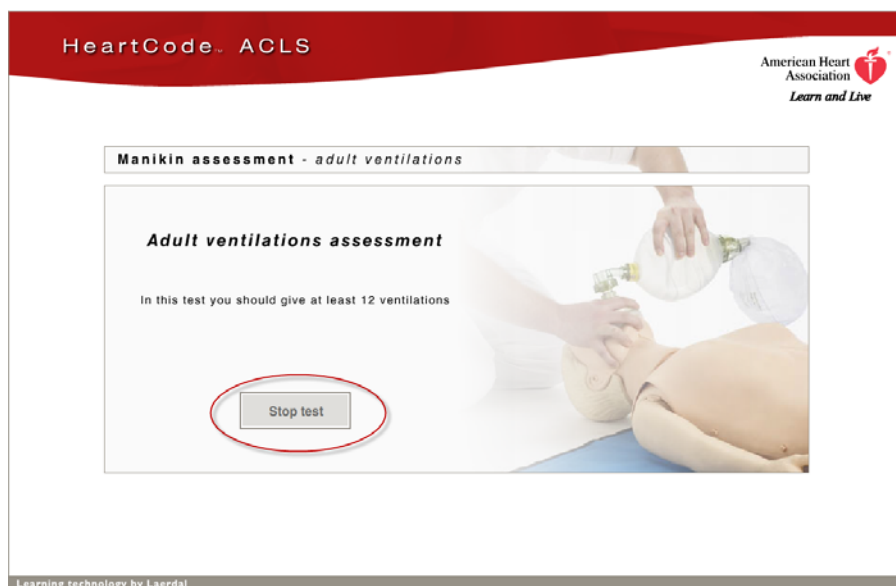
5. An instructional video will automatically begin to play. Please watch this introduction before continuing with your certification process. (Approximately 2 minutes)



6. You will now begin your ventilation skills assessment. Click on “Begin ventilations assessment” to begin. This segment consists of 12 ventilations. You may replay the introductory video before at any time.





7. When you have completed the requirements you may “Stop test.”

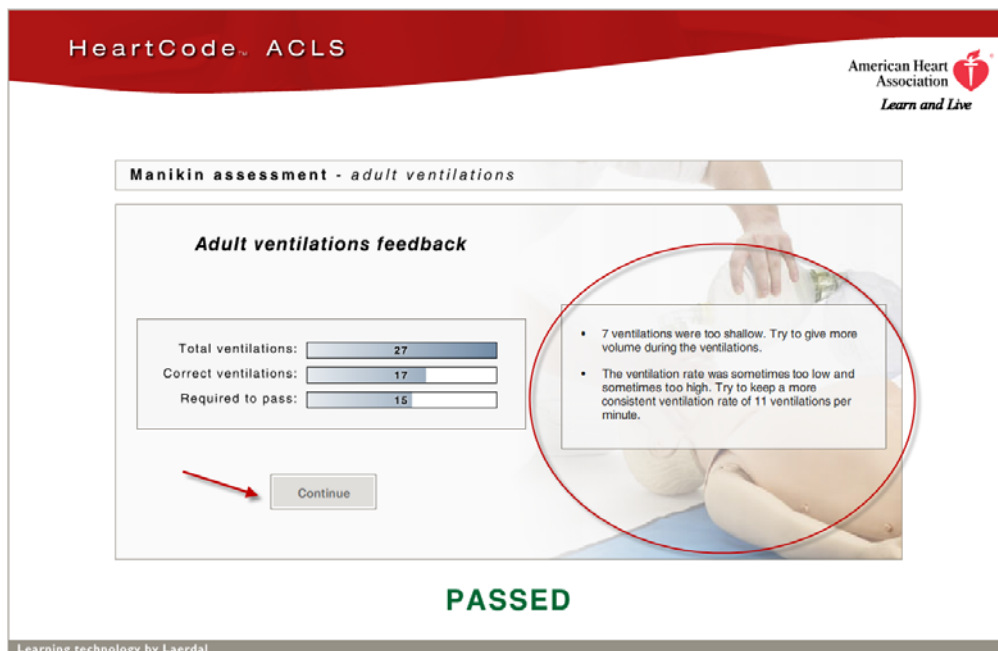


8. Once you have completed 12 ventilations, you will choose whether or not your performance should count towards your certification evaluation. Click on either, “This should count towards certification” or “This should not count towards certification”.

Assess your performance - please select an option below

 This should count towards certification	Click on this button if you think you performed satisfactory on the manikin, and you want this to count towards the certification
 This should not count towards certification	Click on this button if you are not sure you performed well on the manikin and want to practice some more

9. Once you make your selection, you will receive an evaluation summary. If you did not pass, you will need to perform the skills test again. A detailed summary of your performance is located on the right hand side of the screen. Click on “Continue”.



HeartCode ACLS

American Heart Association
Learn and Live

Manikin assessment - adult ventilations

Adult ventilations feedback

Total ventilations:	27
Correct ventilations:	17
Required to pass:	15

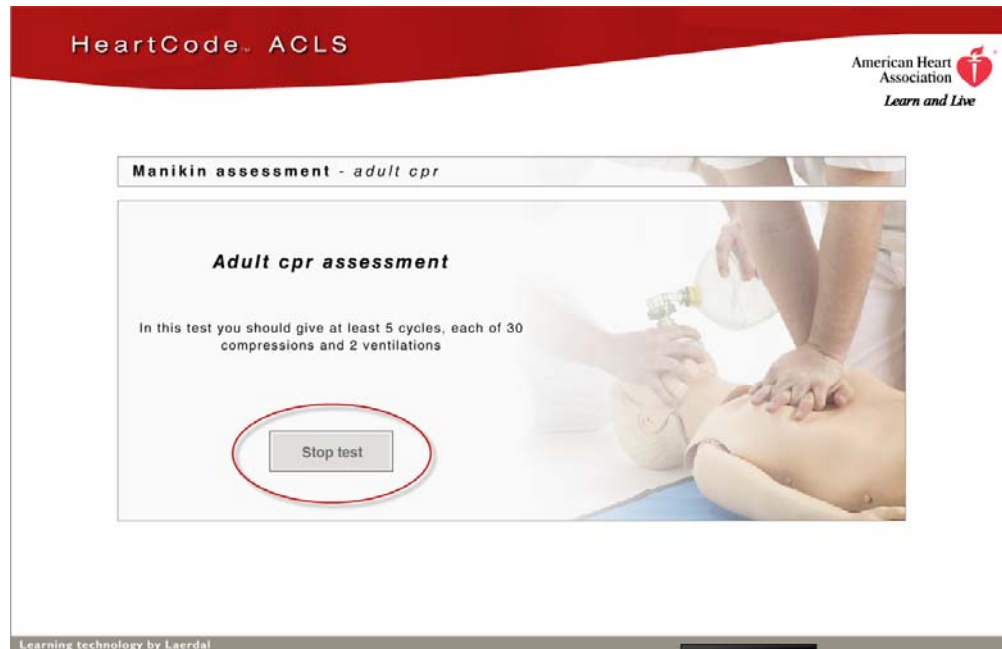
- 7 ventilations were too shallow. Try to give more volume during the ventilations.
- The ventilation rate was sometimes too low and sometimes too high. Try to keep a more consistent ventilation rate of 11 ventilations per minute.

Continue

PASSED

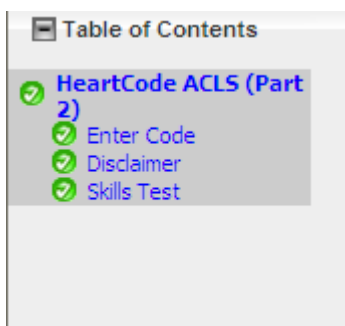
Learning technology by Laerdal

10. Next, you will perform CPR skills. You will complete five rounds of CPR including 30 chest compressions and 2 ventilations per round. When you have completed the requirements you may “Stop test”



11. Again, you will have the option to choose whether or not your performance will count towards certification. You will then receive an evaluation summary that reviews your performance for each skill.

12. Once you have passed your CPR skills, click on “Continue”. To complete the course, you must have a green check mark beside each activity in the Table of Contents on the upper left side of the screen.



ACLS Skills Completion Certificate

13. After you have passed your HeartCode ACLS skills check your completion certificate will then be available. Click on “View Certificate” and print a copy for your records.

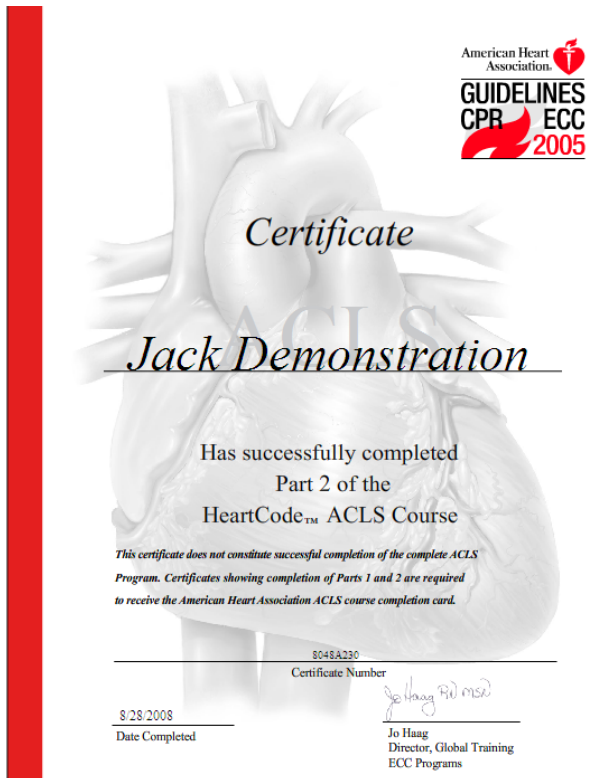


HeartCode completion certificates are valid proof of completion until you receive your AHA completion card; It is however not a substitute.

The screenshot shows the 'Course Details' page for 'HeartCode ACLS Part 2 Skills'. At the top, it says 'Estimated Course Length: 4 minutes'. There are links for 'Course Overview' and 'Exit Course'. A green banner with a checkmark icon states: 'You have successfully completed this course. You can view your certificate below under the CE Credit Information section as well as from the My Transcript tab. To return to your list of assigned and enrolled courses, click the My Courses tab'. Below this is the 'Course Learning Activities' section, which includes a table with columns for Learning Activity, Additional Information, Status, Score, and Last Accessed. The table has one row: 'HeartCode ACLS Part 2' (with a star icon), 'Debriefings', 'In Progress', and '8/29/2008 10:37 AM'. Underneath is the 'Continuing Education Credit Information' section, which includes a 'Certificate of Completion' link and a 'View Certificate' link circled in red. Other links include 'Maintain Discipline and License Information' and 'Refresh Credits'.

Learning Activity	Additional Information	Status	Score	Last Accessed
HeartCode ACLS Part 2 *	Debriefings	In Progress		8/29/2008 10:37 AM

If applicable, qualifying Continuing Education Certificates will be available for print by clicking on the “View Certificate” Tab below this screen.



14. HeartCode ACLS will now be viewable on your transcript. Your facility will receive your AHA card within 30 days.