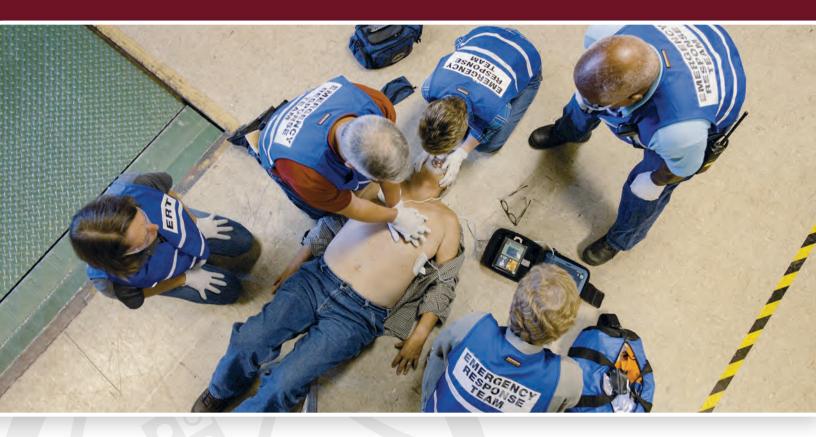
High-Performance CPR









An HSI Company

High-Performance CPR

Student Book, Version 8.0

Purpose of this Student Book

This ASHI *High-Performance CPR Version 8.0 Student Book* is solely intended to facilitate certification in an ASHI High-Performance CPR training class. The information in this handbook is furnished for that purpose and is subject to change without notice.

ASHI certification may only be issued when an ASHI-authorized instructor verifies a student has successfully completed the required core knowledge and skill objectives of the program.

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First Edition - 2017



Making the Workplace and Community Safer.

Table of Contents

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HIGH-PERFORMANCE CPR

Quality Makes a Difference	1
High-Performance CPR	1
Sudden Cardiac Arrest and CPR	1
Defibrillation	1
High-Quality CPR Skills	2
Measures of High-Quality CPR Skills	2
High-Quality Chest Compressions	4
Body Mechanics	4
CPR Feedback Device	4
Skill Guide 1 — High-Quality Chest Compressions	5
ligh-Quality Rescue Breaths	6
Jaw Thrust with Head Tilt	6
Rescue Breath Duration and Volume	6
Skill Guide 2 — High-Quality Rescue Breaths	7
Multiple-Provider CPR	8
Team Roles	8
Integrating an AED	9
Switching Compressors	9
Skill Guide 3 — Multiple-Provider CPR	10
Tips and Tricks to Improve CPR Performance	11
Consider Protocols	11
Tips and Tricks	11
Skill Guide 4 — Interposed Breaths	13
	14
	16
High-Performance CPR Scenario Practice Instructions	16
Maintaining Readiness	17
Maintain Skills	17
Scenario-based Drills	18
Additional Information	
	18
	18
	19
	20
	21
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Dedicated to Craig Aman, a firefighter/paramedic, educator, colleague, friend, and tireless advocate for improving survival from sudden cardiac arrest...

"How can We do Better?"

High-Quality Chest Compressions



Chest compressions have the greatest impact on the overall quality of CPR.

High-quality compressions need to be:

Fast

Fully recoiled

Deep

Continuous

Body Mechanics

After just a few minutes, high-quality compressions can become physically challenging. Good body mechanics can help you minimize your effort and maximize your endurance.

It is important to avoid leaning on the chest between compressions. This will allow for full recoil of the chest at the top of each compression.

CPR Feedback Device

A CPR feedback device, or manikin, can provide real-time, measured feedback to a compressor on compression rate, depth, and recoil.

The use of one when training is essential to develop muscle memory of high-quality compressions. Use one in real-life, if possible. Real-time feedback allows for ongoing adjustments by a compressor to achieve and maintain high-quality compressions.





Knowledge Check

What are the 4 most important attributes of high-quality chest compressions?

High-Quality Chest Compressions



Position Your Hands

- Position person face up on a firm, flat surface. Kneel close to the chest.
- Place heel of one hand on center of chest, on lower half of breastbone.
- Place heel of your other hand on top of and parallel to first. You can interlace fingers to keep them off chest.



Position Your Body

- Use good body mechanics to minimize effort and maximize endurance.
- Bring your body up and over the chest so your shoulders are directly above your hands.
- Straighten your arms and lock your elbows.



Compress

- Push straight down, at least 2 inches, bending at the waist as a fulcrum point and using your upper body weight to help compress.
- Lift hands and allow chest to fully recoil to its normal position. Move immediately into down stroke of next compression.
- Avoid leaning on chest at the top of each compression.
- Continue compressions at a rate of 100 to 120 times per minute.





 Continue uninterrupted for 2 minutes to get a sense of how tiring ongoing compressions can be.

rate guidelines.

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