

2015 Interim Training Materials PEARS[®] Provider Manual Comparison Chart



	New	Old	Rationale
Immediate recognition and activation of emergency response system (Part 1, BLS Competency Testing; Apply update throughout course as needed)	 Call for nearby help upon finding the victim unresponsive. Continue to assess the breathing and pulse simultaneously. Activate the emergency response system or call for backup. 	 Check for responsiveness. Check for no breathing or no normal breathing. Call for help. Check for pulse for no longer than 10 seconds. 	The intent of the recommendation change is to minimize delay and to encourage fast, efficient, simultaneous assessment and response, rather than a slow, methodical, step-by-step approach.
C-A-B sequence	Although the amount and quality	Initiate CPR for infants and children	In the absence of new data, the
(Part 1, BLS Competency Testing; Apply update throughout course as needed)	of supporting data are limited, providers should maintain the sequence from the 2010 Guidelines by initiating CPR with C-A-B over A-B-C.	with chest compressions rather than rescue breaths (C-A-B rather than A-B-C). CPR should begin with 30 compressions (by a single rescuer) or 15 compressions (for resuscitation of infants and children by 2 healthcare providers) rather than with 2 ventilations.	sequence has not been changed. Consistency in the order of compressions, airway, and breathing for CPR in victims of all ages may be easiest for rescuers who treat people of all ages to remember and perform. Maintaining the same sequence for adults and children offers consistency in teaching.

	New	Old	Rationale
Chest	Rescuers should provide chest	To achieve effective chest	One adult study suggested harm
compression	compressions that depress the	compressions, rescuers should	with chest compressions greater
depth	chest at least one third the	compress at least one third of the	than 6 cm, resulting in a change in
	anteroposterior diameter of the	anteroposterior diameter of the	the adult BLS recommendation to
	chest in pediatric patients	chest. This corresponds to	include an upper limit for chest
	(infants [younger than 1 year] to	approximately 1.5 inches (about 4	compression depth; the pediatric
	children up to the onset of	cm) in most infants and about 2	experts accepted this
	puberty). This equates to	inches (5 cm) in most children.	recommendation for adolescents
	approximately 1.5 inches (4 cm)		beyond puberty. A pediatric study
	in infants to 2 inches (5 cm) in		observed improved 24-hour
	children. Once children have		survival when compression depth
	reached puberty (ie,		was greater than 51 mm (2 inches).
	adolescents), the recommended		Judgment of compression depth is
	adult compression depth of at		difficult at the bedside, and the use
	least 2 inches (5 cm) but no		of a feedback device that provides
	greater than 2.4 inches (6 cm) is		such information may be useful if
	used.		available.
Chest	To maximize simplicity in CPR	Push at a rate of at least 100	One adult registry study
compression rate	training, the adult chest	compressions per minute.	demonstrated inadequate chest
	compression rate of 100 to		compression depth with extremely
	120/min is used for infants and		rapid compression rates. To
	children.		maximize educational consistency
			and retention, in the absence of
			pediatric data, pediatric experts
			adopted the same recommendation
			for compression rate as is made for
			adult BLS.

	New	Old	Rationale
Compression-	Conventional CPR (rescue	Optimal CPR in infants and children	Large registry studies have
only CPR	breaths and chest compressions)	includes both compressions and	demonstrated worse outcomes for
	should be provided for infants	ventilations, but compressions alone	presumed asphyxial pediatric
	and children in cardiac arrest.	are preferable to no CPR.	cardiac arrest, which comprise the
	The asphyxial nature of most		vast majority of out-of-hospital
	pediatric cardiac arrests		pediatric cardiac arrest, treated with
	necessitates ventilation as part of		compression-only CPR. In 2
	effective CPR. However,		studies, when conventional CPR
	because compression-only CPR		(compressions plus breaths) was
	can be effective in patients with		not given in presumed asphyxial
	a primary cardiac arrest, if		arrest, outcomes were no different
	rescuers are unwilling or unable		from when victims did not receive
	to deliver breaths, we		any bystander CPR. When a
	recommend rescuers perform		presumed cardiac etiology was
	compression-only CPR for		present, outcomes were similar
	infants and children in cardiac		whether conventional or
	arrest.		compression-only CPR was
			provided.
Ventilation	With an advanced airway in	When an advanced airway (ie,	This simple single rate for adults,
during CPR with	place, deliver 1 breath every 6	endotracheal tube, Combitube, or	children, and infants—rather than a
an advanced	seconds (10 breaths per minute)	laryngeal mask airway) is in place	range of breaths per minute—
airway	while continuous chest	during 2-person CPR, give 1 breath	should be easier to learn,
	compressions are being	every 6 to 8 seconds without	remember, and perform.
(Part 12:	performed.	attempting to synchronize breaths	
Identification and		between compressions (this will	
Management of		result in delivery of 8 to 10 breaths	
Cardiac Arrest)		per minute).	