



Summary of BLS ABCD Maneuvers for Infants, Children, and Adults (Newborn Information Not Included)

Maneuver	Adult Lay rescuer: ≥8 years HCP: Adolescent and older	Child Lay rescuers: 1 to 8 years HCP: 1 year to adolescent	Infant Under 1 year of age
Airway	Head tilt–chin lift (HCP: suspected trauma, use jaw thrust)		
Breathing Initial	2 breaths at 1 second/breath	2 effective breaths at 1 second/breath	
HCP: Rescue breathing without chest compressions	10 to 12 breaths/min (approximate)	12 to 20 breaths/min (approximate)	
HCP: Rescue breaths for CPR with advanced airway	8 to 10 breaths/min (approximately)		
Foreign-body airway obstruction	Abdominal thrusts		Back slaps and chest thrusts
Circulation HCP: Pulse check (≤10 sec)	Carotid		Brachial or femoral
Compression landmarks	Lower half of sternum, between nipples		Just below nipple line (lower half of sternum)
Compression method Push hard and fast Allow complete recoil	Heel of one hand, other hand on top	Heel of one hand or as for adults	2 or 3 fingers HCP (2 rescuers): 2 thumb–encircling hands
Compression depth	1½ to 2 inches	Approximately one third to one half the depth of the chest	
Compression rate	Approximately 100/min		
Compression-ventilation ratio	30:2 (one or two rescuers)	30:2 (single rescuer) HCP: 15:2 (2 rescuers)	
Defibrillation AED	Use adult pads Do not use child pads	Use AED after 5 cycles of CPR (out of hospital). Use pediatric system for child 1 to 8 years if available HCP: For sudden collapse (out of hospital) or in-hospital arrest use AED as soon as available.	No recommendation for infants <1 year of age

Note: Maneuvers used by only Healthcare Providers are indicated by "HCP."

1
No movement or response
Send someone to phone 911, get AED

2
Lone Rescuer: For SUDDEN COLLAPSE,
PHONE 911, Get AED

3
Open AIRWAY, check BREATHING

4
If not breathing, give 2 BREATHS that make chest rise

5
If no response, check pulse:
DEFINITE pulse
within 10 seconds?

5A
• Give 1 breath every 3 seconds
• Recheck pulse every 2 minutes

6
One Rescuer: Give cycles of 30 COMPRESSIONS and 2 BREATHS
Push hard and fast (100/min) and release completely
Minimize interruptions in compressions
Two Rescuers: Give cycles of 15 COMPRESSIONS and 2 BREATHS

7
If not already done, PHONE 911, for child get AED/defibrillator
Infant (<1 year): Continue CPR until ALS responders take over or
victim starts to move
Child (>1 year): Continue CPR; use AED/defibrillator after 5 cycles of CPR
(Use AED as soon as it is available for sudden, witnessed collapse)

8
Child >1 year:
Check rhythm
Shockable rhythm?

9
Give 1 shock
Resume CPR immediately
for 5 cycles

10
Resume CPR immediately
for 5 cycles
Check rhythm every
5 cycles; continue until
ALS providers take over or
victim starts to move