Adult Basic Life Support Algorithm
for Healthcare Providers

AffordableACLS.com
Healthcare Certifications

VERIFY SCENE SAFETY

- Check for responsiveness.
- Shout for nearby help.
- Activate the emergency response system via mobile device (if appropriate).
- Get AED and emergency equipment (or send someone to do so).

Look for no breathing or only gasping and check pulse (simultaneously). Is pulse ***definitely*** felt within 10 seconds?

Normal breathing, pulse felt

Monitor until emergency responders arrive.

NO Normal breathing, pulse felt

- Provide rescue breathing, 1 breath every 6 seconds or 10 breaths/min.
- Check pulse every 2 minutes; if no pulse, start CPR.
- If possible opioid overdose, administer naloxone if available per protocol.

No breathing or only gasping, pulse not felt

By this time in all scenarios, emergency response system or backup is activated, and AED and emergency equipment are retrieved or someone is retrieving them.

START CPR!

- Perform cycles of 30 compressions and 2 breaths.
- Use AED as soon as it is available.

AED ARRIVES.

Check rhythm. Shockable rhythm?

YES, Shockable

- Give 1 shock. Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).
- Continue until ALS providers take over or victim starts to move.

No, Non-Shockable

- Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).
- Continue until ALS providers take over or victim starts to move.

Pediatric Basic Life Support Algorithm

for Healthcare Providers—Single Rescuer

AffordableACLS.com
Healthcare Certifications

VERIFY SCENE SAFETY

- Check for responsiveness.
- Shout for nearby help.
- Activate the emergency response system via mobile device (if appropriate).

Look for no breathing or only gasping and check pulse (simultaneously). Is pulse ***definitely*** felt within 10 seconds?

Normal breathing, pulse felt

Monitor until emergency responders arrive.

NO Normal breathing, pulse felt

- Provide rescue breathing, 1 breath every 2-3 seconds, or about 20-30 breaths/min.
- Assess pulse rate for no more than 10 seconds.

HR <60/min with signs of poor perfusion?

YES

START CPR!

NO

- Continue rescue breathing; check pulse about every 2 minutes.
- If no pulse, start CPR.

No breathing or only gasping, pulse not felt

Witnessed sudden collapse?

YES

Activate emergency response system (if not already done), and retrieve AED/defibrillator.

NO

START CPR!

- First rescuer performs cycles of 30 compressions and 2 breaths.
- When second rescuer returns, perform cycles of 15 compressions and 2 breaths.
- Use AED as soon as it is available.

After about 2 minutes, if still alone, activate emergency response system and retrieve AED (if not already done).

Check rhythm. Shockable rhythm?

YES, Shockable

- Give 1 shock. Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).
- Continue until ALS providers take over or victim starts to move.

No, Non-Shockable

- Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).
- Continue until ALS providers take over or victim starts to move.

Pediatric Basic Life Support Algorithm

for Healthcare Providers—2 or More Rescuers

VERIFY SCENE SAFETY

- Check for responsiveness.
- Shout for nearby help.
- First rescuer remains with the child. Second rescuer activates emergency response system and retrieves the AED and emergency equipment.

Look for no breathing or only gasping and check pulse (simultaneously). Is pulse ***definitely*** felt within 10 seconds?

Normal breathing, pulse felt

Monitor until emergency responders arrive.

NO Normal breathing, pulse felt

- Provide rescue breathing, 1 breath every 2-3 seconds, or about 20-30 breaths / min.
- Assess pulse rate for no more than 10 seconds.

HR <60/min with signs of poor perfusion?

YES

START CPR!

NO

- Continue rescue breathing; check pulse about every 2 minutes.
- If no pulse, start CPR.

No breathing or only gasping, pulse not felt

START CPR!

- First rescuer performs cycles of 30 compressions and 2 breaths.
- When second rescuer returns, perform cycles of 15 compressions and 2 breaths.
- Use AED as soon as it is available.

Check rhythm. Shockable rhythm?

YES, Shockable

- Give 1 shock. Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).
- Continue until ALS providers take over or victim starts to move.

No, Non-Shockable

- Resume CPR immediately for 2 minutes (until prompted by AED to allow rhythm check).
- Continue until ALS providers take over or victim starts to move.