Pediatric Basic Life Support Algorithm

for Healthcare Providers—Single Rescuer

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.