Pediatric BLS Algorithm
For Healthcare Providers—Single Rescuer

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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.

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.

No breathing or only gasping, pulse not felt

HR <60/min with signs of poor perfusion?

YES → **START CPR**

NO →
- Continue rescue breathing; check pulse every 2 min.
- If no pulse, start CPR.

Witnessed sudden collapse?

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

NO → **START CPR**

- 1 rescuer: Perform cycles of 30 compressions and 2 breaths.
- When second rescuer arrives, 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 the child 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 the child starts to move.