Adult Basic Life Support Algorithm for Healthcare Providers for Suspected or Confirmed COVID-19

Verify scene safety.

- Check for responsiveness.
- Shout for nearby help.
- Activate 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 breathing or only gasping, pulse not felt
  - Provide rescue breathing,* 1 breath every 6 seconds or 10 breaths/min using HEPA filter with bag-mask ventilation.
  - Check pulse every 2 minutes; if no pulse, start CPR.
  - If possible opioid overdose, administer naloxone if available per protocol.

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, nonshockable
  - 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.

Abbreviations: AED, automated external defibrillator; CPR, cardiopulmonary resuscitation; HEPA, high-efficiency particulate air; PPE, personal protective equipment.