

# Basic Life Support for Healthcare Providers Algorithm for Covid-19 Pandemic

MAY 2020

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## HAZARDS

Ensure environment is safe → Put on all appropriate PPE → Alert for Covid-19 → Pre-cardiac arrest discussion on DNAR

## HELLO

- Start initial assessment from at least 2 meters away, keep bystanders safely away
- Do not feel for breathing. Look for visible chest rise and feel for a carotid pulse

## HELP

Call local ambulance, call for assistance, Defib/AED

EMERGENCY NUMBER

### HAS PULSE AND BREATHING

- Place in recovery position
- Reassess continuously
- Maintain "Crowd control" at least 2m from the patient

### HAS PULSE BUT NO EFFECTIVE BREATHING

Apply a tight seal using a two hand technique on the BVM with a viral filter

- Provide rescue breaths
- Adult every 6 seconds
  - Child every 5 seconds
  - Infant every 4 seconds

No pulse, unsure or less than 60/min in children and infants

Single rescuer – cover the patients face with a surgical mask or cloth folded 3 times  
Team rescue – cover the patients face using a BVM with a viral filter and apply a tight seal using a two hand technique

## START CHEST COMPRESSIONS

- Push Hard and Fast (almost 2/second)
- Ensure full chest recoil
- Minimize interruptions

## BREATHS

- Delay breaths with continuous compressions until full PPE is in place for airway manager
- Attempt 2 breaths at 1 breath/second (with 100% Oxygen if available)
- Adult ratio 30:2 | Children/Infants 30:2 (2-rescuer 15:2)
- Continue until AED/Defib arrives and attach immediately

## ATTACH AED / DEFIB IMMEDIATELY

### ANALYSE RHYTHM

Shock Advised (VF/VT)

No Shock Advised (PEA/Asystole)

Give 1 Shock  
Monophasic – 360J  
Biphasic – 120-360J  
Paediatric – 2- 4J/kg

If signs of life are present, monitor and provide post ROSC care.  
If absent continue CPR

Immediately resume CPR starting with compressions.  
Continue for 2 minutes