



# Oxygen Therapy — Set-Up and Delivery

## Skill Sheet

BLS	OT	AM	FR	EMR	AFA	MAFA
	✓		✓	✓	✓	✓

### Steps

**Ensure you are always wearing proper PPE before performing the skill.**

Set-Up:

1. Ensure oxygen cylinder is safely handled and positioned.
2. Check the cylinder to confirm that it contains medical-grade (USP) oxygen.
3. Clear valve:
  - a) Ensure that you are at a safe distance from others and that the valve is facing away from yourself and others – caution anyone nearby of your intent.
  - b) Remove protective covering and set aside O-ring.
  - c) Quickly open the cylinder's valve (for a maximum of one second) to clear debris.
4. Attach pressure regulator:
  - a) Confirm that the gasket (O-ring) is properly inserted/positioned.
  - b) Check to see that the pin index corresponds to the oxygen tank.
  - c) Seat the two metal prongs of the regulator inside the holes of the valve stem.
  - d) Hand-tighten the screw until the regulator is snug.
  - e) Open the cylinder by giving the valve one full turn and listen for leaks.
  - f) Examine the regulator's gauge to determine the pressure in the cylinder.

### ADMINISTERING OXYGEN

1. Attach the delivery device to the oxygen port on the regulator.
2. Set the appropriate flow rate.
3. Listen and feel to make sure that oxygen is flowing into the delivery device.
4. If patient is responsive, explain the procedure.
5. Place the delivery device on the patient.

**Organizational/local protocol for \_\_\_\_\_ :**

### Skill Notes

- If using a delivery device with an oxygen reservoir bag, ensure that it is full.
- Regulators and cylinders are pin indexed, meaning a regulator will fit into only the cylinder it was designed for. Be sure to confirm that the pin index on the regulator corresponds to that on the oxygen cylinder.
- To safely administer oxygen from an oxygen cylinder, you must first reduce the pressure of the oxygen inside from 2,000 pounds per square in. (psi) to a range of 30 to 70 psi. This is done using the oxygen regulator, which is either integrated or independent.