



## Management of Patients with Hypoxemic Respiratory Failure Requiring Support beyond Oxygen 6 Liters Nasal Cannula

*Dr. Charles Powell, Medical Director for Respiratory Therapy for the MSHS, offers the below alternatives to high flow nasal cannula (HFNC).*

- 1) Nasal Cannula (NC): Can deliver oxygen at 1-8 LPM. Start at 2LPM and increase to 6LPM to maintain goal oxygenation. Higher flows can be used but are not well tolerated without use of heat humidification.
- 2) Non-rebreather Mask (NRM): Can deliver up to 80-100% FiO<sub>2</sub> depending on the mask fit.
- 3) High flow nasal cannula (HFNC): This nasal interface delivers high flows (between 30-60LPM) and a wide range of FiO<sub>2</sub> (21-100%).
  - Patients must wear a facemask when providers are in the room. Providers wear N95s with aerosolization precautions.
  - A modified HFNC device is being developed that will deliver high flow oxygen using standard circuits and a CPAP ventilator machine.