

# Oxygen Therapy

- Venturi masks permit a precise upper limit for the  $\text{FiO}_2$ , preferable for patients at risk of hypercapnia. Venturi masks can deliver an  $\text{FiO}_2$  of 24, 28, 31, 35, 40, or 60%.
- Nasal cannula can provide flow rates up to 6 L per minute with an associated  $\text{FiO}_2$  of approximately 40%
- When a higher  $\text{FiO}_2$  is needed, simple facemasks can provide an  $\text{FiO}_2$  up to 55% using flow rates of 6 to 10 L.
- Non-rebreathing masks with a reservoir, one-way valves, and a tight face seal can deliver an inspired oxygen concentration up to 90%
- High-flow nasal cannula (HFNC) provide supplemental oxygen (adjustable  $\text{FiO}_2$ ) at a high flow rate (up to 60 L/min that results in a low level of continuous positive airway pressure).

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