## About this resource

 in Surgery \& Anesthesia
## Disclaimer

## This document is intended to be educational in nature and is not a substitute for clinical decision making based on the medical condition presented.

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## How to Use This Document

This is a living document, created by created by nurses, physicians, respiratory therapists and other healthcare providers from multiple institutions and multiple countries via the OpenCriticalCare.org project.

The goal of this document is to provide tools that can be locally modified to help healthcare providers learning to provide respiratory care for hospitalized patients.

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## Common non-invasive 02 delivery devices

| Nasal Cannula | Face Mask | Venturi Face Mask | Face Mask Reservoir Bag |
| :---: | :---: | :---: | :---: |
| 0 flow 1-5 $/$ min ${ }^{\dagger}$ | $0_{2}$ flow 5-10 $/$ /min | $0_{2}$ flow 2-15 $/$ min | $0_{2}$ flow $10-15 \mathrm{~L} / \mathrm{min}$ |
| $\mathrm{FiO}_{2} 0.23-0.35$ * | $\mathrm{FiO}_{2} \mathbf{0 . 3 0 - 0 . 5 0}$ * | $\mathrm{FiO}_{2}$ 0.24-0.6* | $\mathrm{FiO}_{2}$ 0.5-0.85* |

High Flow Nasal Oxygen

[^0]BIPAP - bilevel positive airway pressure; CPAP - continuous positive airway pressure; FiO2 - fraction of inspired oxygen (concentration); L/min - liters per minute (flow)


[^0]:    * Delivered 02 concentration depends on multiple factors including the concentration of the oxygen source and the patient's respiratory pattern (e.g. peak inspiratory flow and minute ventilation). **02 consumption for BPPP//CPAP is widely variable depending on device used and the leak of the system.
    $\dagger 02$ flow ranges differ for neonates, children and adults; see figure 6.3 for ranges by age.

