



BiPAP (AVAPS/iVAPS) vs. Non-Invasive Ventilator (NIV) Documentation

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Simple comparison of Bi-level devices with AVAPS/iVAPS technology versus full non-invasive ventilators.

Key Concept

BiPAP with AVAPS/iVAPS is primarily a sleep and chronic support device, while NIV is a life-support-capable ventilator used for more complex or fragile patients.

BiPAP (AVAPS/iVAPS)

- Designed mainly for sleep and stable chronic patients
- Targets alveolar ventilation with volume-assured pressure support
- Limited alarms and monitoring
- No internal battery
- Simpler modes settings
- Common uses: COPD, neuromuscular disease (stable patients)

Non-Invasive Ventilator (NIV)

- Full life-support ventilator
- Can be used continuously (day and night)
- Advanced alarms (disconnect, apnea, volume, rate)
- Internal and removable batteries
- Multiple ventilation modes (AC, SIMV, PC, VC, etc.)
- Advanced monitoring and reporting
- Suitable for fragile or ventilator-dependent patients

Bottom Line

Think of BiPAP (AVAPS/iVAPS) as a sleep-focused support device, and NIV as a portable ICU-level ventilator with significantly more capability and safety features.