

Noninvasive ventilation

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Noninvasive [ventilation](#) (NIV) refers to the delivery of positive pressure ventilation through a noninvasive interface (eg, nasal mask, face mask, or nasal plugs), rather than an invasive interface ([endotracheal tube](#), [tracheostomy](#)).

Training on the job performed by expert [ICU](#) nurses can be a valuable and fast means to implement new Helmet-CPAP and mask-NIV skills outside of ICUs ¹⁾

The coronavirus disease 2019 pandemic had deleterious effects on the healthcare systems around the world. To increase intensive care units (ICUs) bed capacities, multiple adaptations had to be made to increase surge capacity. In this editorial, we demonstrate the changes made by an ICU of a midwest community hospital in the United States. These changes included moving patients that used to be managed in the ICU to progressive care units, such as patients requiring non-invasive ventilation and high flow nasal cannula, ST-elevation myocardial infarction patients, and post-neurosurgery patients. Additionally, newer tactics were applied to the processes of assessing oxygen supply and demand, patient care rounds, and post-ICU monitoring ²⁾

¹⁾

Bambi S, Parente E, Bardacci Y, Baldassini Rodriguez S, Forciniti C, Ballerini L, Caruso C, El Aoufy K, Poggianti M, Bonacaro A, Rona R, Rasero L, Lucchini A. The Effectiveness of NIV and CPAP Training on the Job in COVID-19 Acute Care Wards: A Nurses' Self-Assessment of Skills. Nurs Rep. 2022 Dec 27;13(1):17-28. doi: 10.3390/nursrep13010002. PMID: 36648976.

²⁾

Khedr A, Rokser D, Borge J, Rushing H, Zoesch G, Johnson W, Wang HY, Lanz A, Bartlett BN, Poehler J, Surani S, Khan SA. Intensive care unit adaptations in the COVID-19 pandemic: Lessons learned. World J Virol. 2022 Nov 25;11(6):394-398. doi: 10.5501/wjv.v11.i6.394. PMID: 36483101; PMCID: PMC9724203.

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