

Non-Invasive Ventilation (NIV)

What is Non-Invasive Ventilation (NIV)?

Non-invasive ventilation is a breathing device that assists your respiratory muscles to help you breathe, especially at night when you are lying down.

What are the benefits of NIV?

- reduces fatigue
- increases energy
- improves sleep
- improves your quality of life
- the possibility of extending your life by over 1 year

How does NIV work?

The NIV device delivers air through a mask that is worn over your mouth or nose. Some examples of NIV devices include BiPAP, Trilogy™, iVAPS, and Astral™.







Why do I need a Non-Invasive Ventilation?

The motor nerves (the nerves that your brain uses to move your muscles) for your respiratory muscles can become weak. This makes it hard for you to move air in and out of your lungs. You may need NIV if:

• Your pulmonary function tests (PFT's) show your Forced vital capacity (FVC) (maximum amount of air you can blow out) is less than 50%

• Your pulmonary function tests (PFT's) show your Maximum inspiratory pressure (MIP) (how much air you can breathe in) is less than -60 cmH2O

You may also need Non-Invasive Ventilation if you have any of the symptoms below. We recommend early Non-Invasive Ventilation to start improving your health as soon as possible.

What are the symptoms that I am not breathing as well as I should be?

- Fatigue
- Headache upon waking up
- Shortness of breath
- Need for sleeping with head elevated
- Weak cough
- Difficulty clearing secretions from lung and throat

How do I get a NIV device?

You will receive a call from a local durable medical equipment (DME) supply company who will schedule delivery, set up and training of your Non-Invasive Ventilation device with you. A respiratory therapist that works with your DME will train you on how to use the NIV device.

If you do not receive a call from your local DME within one week please contact our office at (734) 936-9010 or send a message through the patient portal to let us know that you have not been contacted.

Disclaimer: This document contains information and/or instructional materials developed by the University of Michigan Health System (UMHS) for the typical patient with your condition. It may include links to online content that was not created by UMHS and for which UMHS does not assume responsibility. It does not replace medical advice from your health care provider because your experience may differ from that of the typical patient. Talk to your health care provider if you have any questions about this document, your condition or your treatment plan.

Author: Sandy Wilcock BSN, RN, Monique Woods, BSN, RN, CRT Reviewers: Stephen Goutman, MD

Patient Education by <u>University of Michigan Health System</u> is licensed under a <u>Creative Commons</u> <u>Attribution-NonCommercial-ShareAlike 3.0 Unported License</u>. Last Revised 10/2016