



Home Mechanical Ventilation in Partnership
Improving lives, making a difference



What is Home Mechanical Ventilation in Partnership
and how can it **benefit me?**

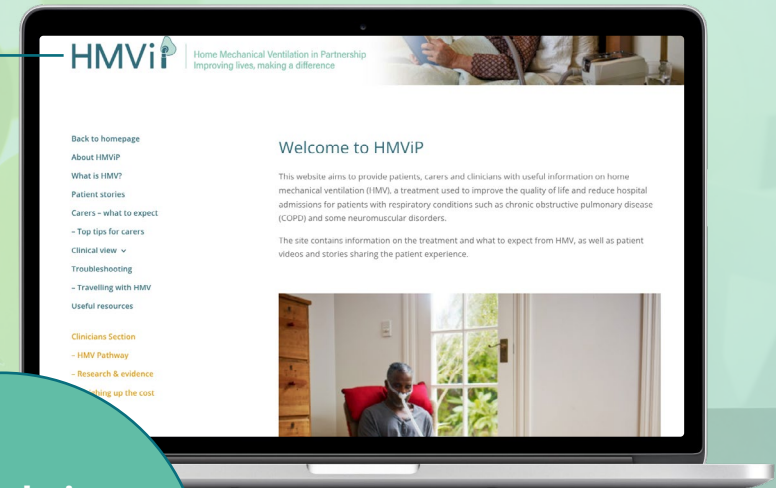
What is Home Mechanical Ventilation in Partnership (HMViP)?

HMViP Is a **collaboration of healthcare professionals** working within the field of home mechanical ventilation (HMV). The group also benefits from representation from service users including patients and carers.

In this leaflet you will find information about **HMV, what it is, and who might benefit from it.**

We have also introduced an HMViP website to support you, your friends and family and your carers. This includes:

- Information on HMV
- Patient, carer and clinician stories in video and written formats
- Top Tips and Troubleshooting
- Useful resources
- A section for clinicians



The website
can be accessed via
this link [www.
hmvip.co.uk](http://www.hmvip.co.uk).

What is HMV?

HMV provides a way of **supporting a patient's breathing outside of a hospital setting**. The intention of the treatment is to improve quality of life and relieve symptoms.

HMV is delivered via a machine attached to a hose connected to a firm-fitting mask on the nose, mouth or via a tube in the neck (tracheostomy). Machines can deliver a steady stream of air either at a pre-decided volume, or until a set pressure is achieved, or a combination of both.

Machines can deliver a steady stream of air which supports the breathing muscles and helps the body to remove the waste gas of breathing, carbon dioxide.

The machine is powered either by mains electricity or specialist battery.



How does HMV benefit patients?

HMV may enable **breathing to be more effective** so muscles have time to rest. It will help to keep the oxygen and carbon dioxide levels within normal limits.

HMV can lead to:

- Better sleep so you have more energy and better concentration in the daytime
- Feeling more refreshed when you wake up, and no more morning headaches
- Less chance of having a breathing flare (“exacerbation”) and needing to stay in hospital
- Improved breathing symptoms and better quality of life



Which conditions might benefit from this treatment?

These are usually conditions that damage the lungs including:

- Chronic Obstructive Pulmonary Disease (COPD)
- Cystic Fibrosis (CF)

Or conditions that restrict the movement of air in and out of the body including:

- Kyphoscoliosis
- Motor Neurone Disease (MND)
- Duchenne Muscular Dystrophy (DMD)
- Obesity Hypoventilation Syndrome (OHS)

Some patients experience Obstructive Sleep Apnoea (OSA) involving airway closure to the lungs and they may benefit from a continuous positive airway pressure (CPAP) to keep their airways open, particularly at night. However, some of these patients may have OSA in combination with an additional condition and if this is the case, the HMV device can be programmed to treat both conditions.



Other useful resources for patients.

www.hmvip.co.uk

NHS England
www.nhs.uk/conditions/chronic-obstructive-pulmonary-disease-copd/living-with/

Asthma + Lung UK
www.blf.org.uk/support-for-you/copd

Asthma + Lung UK – Breathe Easy support groups
www.blf.org.uk/support-for-you/breathe-easy

Help to stop smoking
www.nhs.uk/live-well/quit-smoking/nhs-stop-smoking-services-help-you-quit/

Addiction Charity
www.actiononaddiction.org.uk/

hmvip.co.uk

