

# Integrated solution for the effective management of patients living with Chronic Obstructive Pulmonary Disease

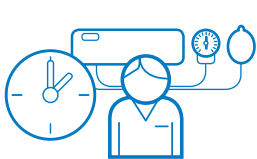
- An estimated 3 million people are effected by COPD in the UK: about 900,000 have been diagnosed with COPD and an estimated 2 million are undiagnosed
- COPD is the fifth leading cause of death in the UK and the fourth worldwide
- COPD is the second largest cause of emergency hospital admissions in the UK
- COPD accounts for more than 1 million bed days each year in hospitals in the UK
- The direct cost of COPD to the UK healthcare system has been estimated to be between £810-930 million a year. More than half of these costs relate to the provision of care in hospital

NICE Clinical Guidelines 101, 2010

## Telehealth can be a cost effective solution to improve the quality of care, reduce the number of bed days and improve the overall prognosis for patients with COPD

Telehealth Solutions provides a person-centred solution for the management of COPD. We have developed our own specialist software solution which can be easily adapted to meet patient specific needs. Our nurse specialists provide clinical support services that complement our telehealth products and we work in partnership to define clinical responsibility without being prescriptive in how clinicians treat their patients.

### How does it work?



Patients can utilise the latest Telehealth devices to monitor clinical variables in their home at a time that is convenient for them



The HomePod allows data to be securely available in real-time for assessment



Nurse specialists review the data and manage patients through telephone triage using agreed protocols, and can refer patients into local care pathways where appropriate



The clinical protocols can be varied to reflect an individual patient's condition (e.g. variations in blood oxygen saturation levels)



Reports are easy to produce on multiple variables which can be securely transferred within care pathways, hence clinical data follows the patient

## Our fully integrated solution greatly improves caseload management by combining technologies with best clinical practice

### Telehealth Solutions transforming COPD management:

- Improves quality of care
- Large numbers of patients can be monitored using individual patient parameters
- Opportunities to provide patient education
- Clinical review and response in real-time
- Direct support and advice from nurse specialists – faster intervention
- Fully compliant with Information Governance requirements
- Improves quality of life

## Benefits

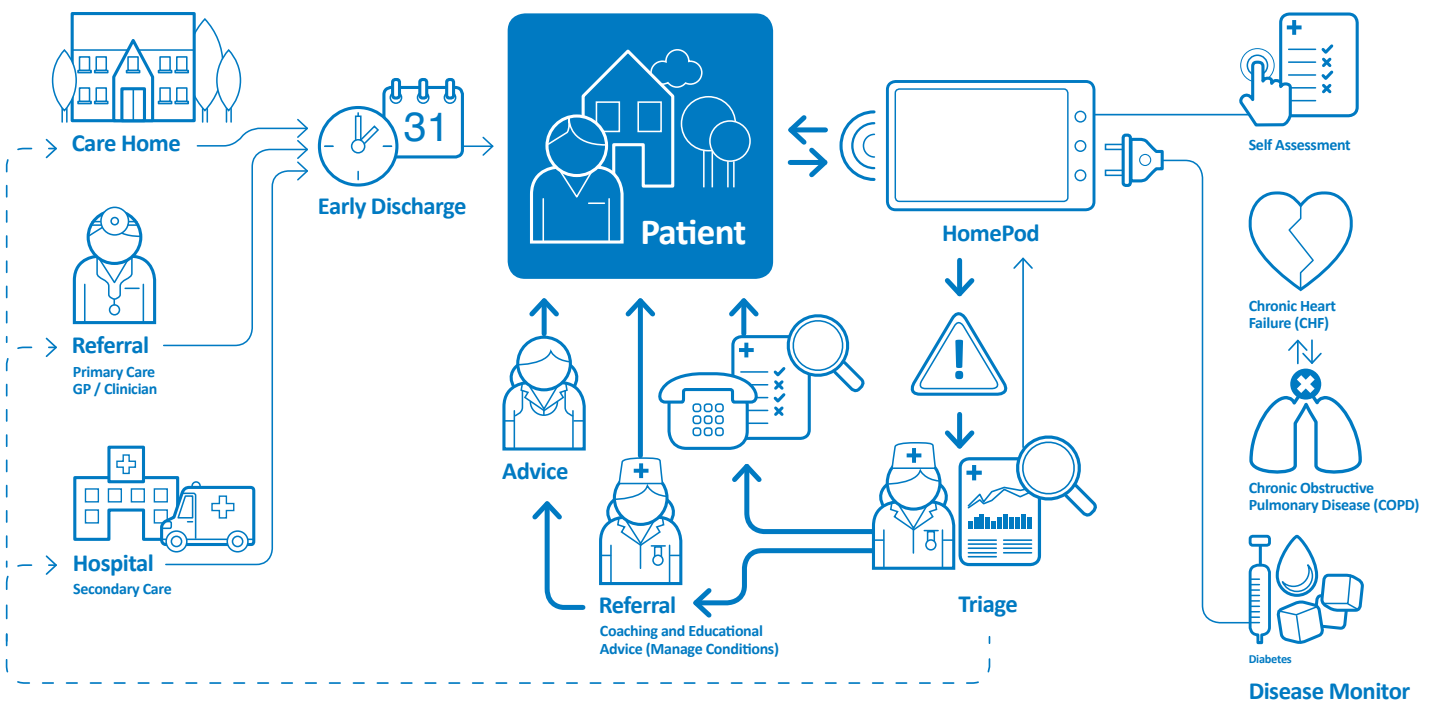
### Benefits for patients

- Easy-to-use touchscreen technology
- Monitoring is at a time and place convenient for the patient
- Provides real-time results and feedback
- Cost effective – less time off work, less travel costs
- Supports independent living – fewer appointments and less disruption to family life
- Enhances quality of life
- Empowers patients

### Benefits for clinicians and commissioners

- Improves quality of patient care
- Innovative cost-effective solution
- Improves productivity of patient services
- Significantly reduces the use of unplanned care and associated costs
- Faster diagnosis and intervention
- Ability to generate reports showing trends of clinical variables
- Ongoing patient monitoring

## How HomePod provides a revolutionary approach to patient care



## Evidence

### Real-world results

Telehealth Solutions is already improving the quality of care for patients and nursing staff across the UK:

- Scottish Enterprise awarded NHS Highland the 2011 Life Sciences Innovation Award for its work using the Telehealth Solutions HomePod to monitor patients with COPD remotely on the Isle of Bute – the third award in 12 months for this project
- A study by the University of Aberdeen of patients with COPD attributed reduced hospital admissions (80% reduction in A&E visits) and reduced number of bed days (up to 90%) to the use of Telehealth Solutions HomePod as part of a triage service

## Find out more

To find out how Telehealth Solutions can benefit you and your patients, please contact us:

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