

# Information Sheet HomePod



## What it does

Placed in people's homes, the Telehealth Solutions **HomePod** gathers answers to questionnaires and patient vital signs. Information is transmitted to a secure server behind the NHS firewall which analyses the data, instantly informing the appropriate care provider via text or email of any vital statistics outside previously-set limits. Feedback to patients is also immediate, including a graphing facility to show them the recent trend in their vital signs, to encourage compliance.

It can assist patients with conditions such as:

**Asthma, Heart failure, Diabetes, Chronic Obstructive Pulmonary Disease (COPD), Hypertension, Depression Drug & Alcohol Addiction, Obesity, Smoking cessation, Congestive Heart Failure and Palliative care at home**

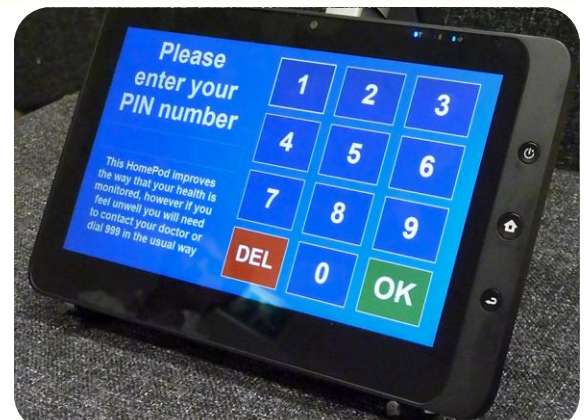
The HomePod's 'plug and play' feature allows any medical device with an electrical output to send information directly to the Pod – without the need for reengineering. Standard peripherals include scales, blood pressure meter, pulse oximeter and glucometer; while other specialist devices are also available. Communication is via GPRS, for preference, so patients can normally be shown how to use it and then take it home without the need for specialist installation. The slim size means it can easily be taken when visiting friends, going to work, and on holiday.

The HomePod can be used for long term monitoring, or for short pre-op or post-op/early discharge monitoring.

## Clinical User Interface

Clinicians have unlimited access to the secure monitoring tool – the Clinical User Interface (CUI). The triage screen allows clinicians instantly to prioritise those patients whose results have generated alerts where pre-set parameters have been breached. The system is entirely flexible, allowing the user to customise individual patient care plans through an intuitive protocol-builder. Patient results can be viewed in both tabular and graphical formats, with the ability to easily extract the data.

The CUI has an in-built reporting tool which contains many pre-configured reports, with the ability to customise new designs where required. It can report on anything from the number of hospital admissions avoided, through to individual patient summaries of the interventions made by clinical staff.

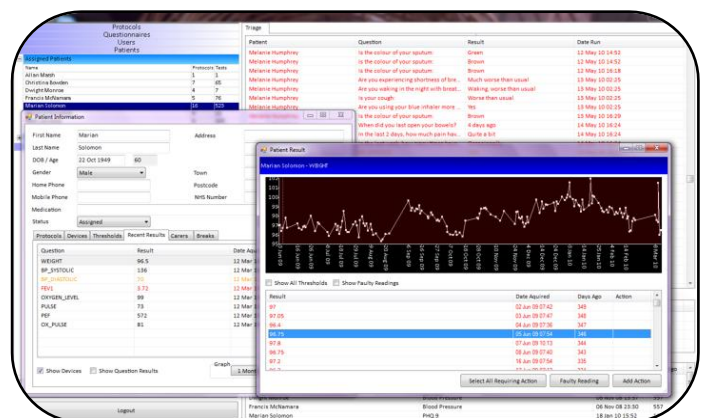


## Benefits to the Doctor

The HomePod is designed to enable a patient to remain at home and be confident that they will be getting prompt attention when needed. Information from the HomePod is transmitted to the GP (or nominated carer) via to enable appropriate patient follow up where necessary.

Clinicians can set alerts to be triggered, and in the case of out-of-range readings, the clinician and selected other people are notified through the management screens or by SMS and/or email to enable appropriate follow-up.

GP and home visits can be more effectively prioritised based on readings gathered and transmitted via the HomePod. All interventions made can be easily recorded using the Clinical User Interface, so an audit trail is maintained at all times.



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### Benefits to Health Services

By anticipating exacerbations, the HomePod reduces the number of acute admissions to hospitals. Regular monitoring enables improved medical management, especially where there are co-morbidities. Its ability to monitor patients will assist in early discharge from hospital and an attendant reduction in bed days.

The modular software structure enables clinicians or carers easily and remotely to update individual aspects of the HomePod. It also allows a host of different – and evolving – services to be offered to patients.

The number of visits to the surgery for routine tests is reduced. The Pod accurately delivers results, improving productivity and efficiency. Routine visits from Social Services may also be reduced, at the same time as carers and relatives are receiving improved information on the person.

### Benefits to the Patient

The HomePod enables patients to take better care of themselves. They can be discharged earlier from hospital, and avoid distressing hospital admissions. They can feel they are taking more responsibility for their own welfare.

Carers, including relatives, can be kept up to date on whether the patient is following their care plan, taking their medication or not responding well. Patients can be helped to maintain their motivation by receiving feedback on their past results

Patients are able to take more control over their treatment plan and actively participate in consultations by helping to provide this data. This serves to reassure the patient, and acts as a tool of empowerment.

Aside from standard medical tests, the HomePod also offers a variety of configurable questionnaires which assess smoking, exercise or drinking habits, or look for signs of depression. These questionnaires can be configured by the clinician to meet each patient's needs.

The HomePod has been designed to be as user-friendly as possible; its robust touch-screen can display in a range of languages.

The stylish HomePod is compact and portable – it can be taken away on holiday allowing monitoring irrespective of location, as long as a suitable wireless connection is available. In addition, it will enable patients to self-monitor as many times a day as is necessary.

### Device: Ultramobile Tablet

Touchscreen interface, wireless ethernet compatible, also with GPRS and EGPRS data networks for full flexibility and compatibility, allowing placement in patients' homes without need for access to telephone or broadband connections.

### Peripherals

**Scales (to 200kg):** A&D UC321

**Sphygmomanometer (blood pressure/pulse):** A&D UA767PC

**Pulse oximeter:** Nonin iPod

**Glucometer:** Accu-Chek Aviva, Accu-Chek Aviva Nano, Accu-Chek Mobile

**Peak flow meter:** Ferraris Piko-1

**ECG:** Hidalgo Equivital Sensor EQ-01

The HomePod can also interface with coagulometers and monitor syringe pumps, such as the IVAC PCAM range

**Care plans currently available:** COPD, CHD, Diabetes, Hypertension, Obesity, Depression (PHQ9), Anxiety (HADS), Asthma, End-Of-Life