

The ZOE™ Fluid Status Monitor

The ZOE® is similar to an EKG machine. It is a monitor, attached by a nurse during the home care visit, that measures fluid status that exists in the chest.



The ZOE® measures thoracic base impedance which is simply a measurement of the time it takes a small frequency electric current to travel from the top to the bottom of the thorax.

The more resistance the current meets, the drier or less fluid that exists. Conversely, the less resistance that the current meets, the wetter or more fluid that exists in the chest.

ZOE® measurement is a quick and easy method for determining whether individuals are experiencing fluid congestion or dehydration. Research indicates that Zo is an early predictor of congestion in heart failure, showing decreases as early as two weeks prior to

weight gain and symptoms. Normal Zo in human subjects has been determined to range from 19-30 ohms. Less than 19 ohms indicates that the subject may be over-hydrated.

The ZOE® monitor is recommended for home or remote monitoring of:

- Heart failure patients
- Dialysis patients
- Patients prone to dehydration or on increased dosage of diuretics

Client Education Tools

Heart Failure (HF) :
Patient Self-Care
Workbook



Diet & Nutrition
Guidelines

Red Light Plan for
Self-Monitoring
of CHF



Edema (Swelling)
Management

Shortness of Breath Monitoring



Enhanced Specialty Program for Home Care Clients with a Diagnosis of Congestive Heart Failure (CHF)

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Enhanced Specialty Program for Home Care Clients with a Diagnosis of Congestive Heart Failure (CHF)

This program involves the use of HomMed telehealth monitoring, a ZOE® machine, client education tools, and assessments performed by a registered nurse trained in cardiac care.

The goal of the program is to improve client outcomes and quality of life.

HomMed Telehealth System

This state-of-the-art technology and monitoring equipment – coupled with industry leading expertise and support – helps NANA monitor and manage our patients' healthcare, safely and easily. Using the diagnostic software, we can immediately identify when health changes occur, so that the proper course of action can be quickly taken.

With the HomMed telehealth monitor, a patient can quickly collect and securely transmit data on key vital signs. Text or voice prompts guide patients through a series of yes/no questions that allow us to monitor them to receive a thorough health assessment. Whether it's a patient with

a chronic illness, or someone trying to heal at home after surgery, HomMed is a solution that keeps us fully informed of our patients' health status.

HomMed's, streamlined monitor measures heart rate, blood pressure, weight and asks subjective disease-related questions to provide a more complete picture of the individual's health. It automatically prompts in-home users when it's time to take their vital signs through voice or text communication.



The HomMed telehealth monitor allows our clinicians to focus on a particular disease state; it's extremely compact (weighing less than two pounds); it comes with a scale, blood pressure cuff, and oxygen sensor, and data is transmitted via phone line.

How it works?

Because it's customizable and automatically notifies in-home patients when it's time to take their vital signs,

the HomMed Monitor is perfect in situations where patients with very specific chronic or acute conditions need to be monitored closely. Having the ability to add peripherals allows clinicians to design a targeted monitoring program and to develop care plans specific to each patient, regardless of the situation or disease.

Each day, up to 4 times a day, a friendly voice and easy-to-use interface guides patients through the monitoring process. With the push of a button, a manual function also allows in-home measurements to be taken. Also, if the user fails to respond, or if any of his or her information falls outside pre-set parameters, the system automatically alerts our agency so we can take action when needed. The HomMed monitor supports care management 7 days a week and allows clinicians to administer pre-emptive care.

Blood Assessments

BNP (B-type natriuretic peptide) blood test for level of CHF

By measuring blood levels of BNP, doctors can spot signs of congestive heart failure in its early stages, when it may be hard to distinguish from other disorders.