

# Chronic Heart Failure Telemonitoring VitalCare Platform

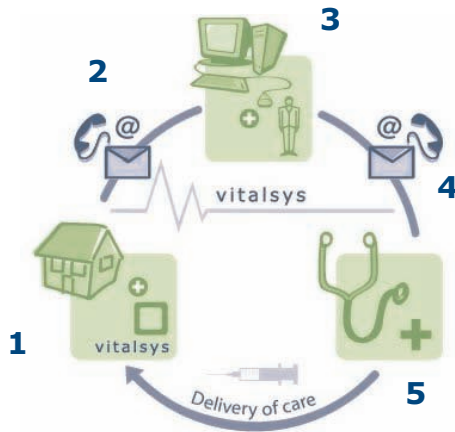
*"An efficient management tool for patients and healthcare professionals of chronic heart failure"*



vitalsys  
TELEMEDICINE SYSTEMS

## UNIQUE FEATURES

- Fully automatic SBPM & weight values reception.
- Summarizes blood pressure, pulse and weight data clearly highlighted in graphs.
- Reporting by mail, fax, e-mail or on the web.
- Flexible connectivity, zero cost maintenance.



- 1. Patients take measurements with a blood pressure monitor and a weight scale**
- 2. Blood pressure, weight and pulse values are automatically sent to the VitalCare Platform**
- 3. VitalCare platform analyzes the data, generates interpretable graphs, statistics and stores the data. In case of exceeded threshold, healthcare professionals can get an immediate alert. Healthcare actors may always access the results over secure connections**
- 4. Results are sent on a monthly basis to the patient and to the physicians**
- 5. If needed physicians may adapt the prescribed treatment to prevent hospitalizations**

## ADVANTAGES

### For the physician

- + Fully automatic reception of the daily Blood Pressure & weight Measurements of the patient with graphics, thresholds and statistics.
- + Optimal therapy control, stabilization of systolic and diastolic BP values, preventive control over correlated weight and BP rises, maximized compliance.
- + Stronger trusted patient relationship.

### For the patient

- + Enhanced quality of life, comfort and security.
- + Bio-feedback based information and pathology education.
- + Confidence that the physician has the right data in his hands.

## RECOMMENDED INDICATIONS

- Prevention of strokes, myocardial infarction and other CVD events.
- Therapy compliance control.
- Post-cardiac surgery home hospitalizations.



## IMPACT ON HEALTHCARE ORGANIZATIONS

### For homecare organizations

- Optimization of care process through better information, systematic processes and less travelling.
- New type of services to tackle high workloads and the shortage of colleagues.

### For public and private health insurances

- Proven lower mortality and hospital readmissions through prevention.
- Proven substantial cost savings.\*

\*Germany's Disease Management Program: Improving Outcomes in Congestive Heart Failure (Stefan Kottmair & AL.)

"Because care is not a matter of distance"

# Key Components of the Cardiovascular Diseases VitalCare Service

## VITALSYS CERTIFIED BLOOD PRESSURE MONITORS & WEIGHT SCALE

Vitalsys certified blood pressure monitors and weight scales are affordable, easy to use, Bluetooth enabled and validated:

- I.E.M. Bluetooth weight scale
- I.E.M. Stabil-O-Graph Bluetooth BP monitor

## COMPATIBLE MOBILE PHONE

Vitalsys will provide users with a mobile phone already paired with the devices.

Private mobile phone can be also used by activating the Bluetooth option to map the mobile with the devices. Recorded data will be transmitted by SMS to VitalCare platform.

*A Bluetooth hub can replace the mobile phone.*



## VITALCARE PLATFORM ACCESS

VitalCare Platform highlights blood pressure, pulse and weight monitoring data, creates and sends reports (mail, e-mail, SMS, fax), generates alerts, manages access rights, follows up blood pressure monitor contracts ...

VitalCare platform can include other functionalities such as a complete patient file management system, interactive questionnaires, dynamic graphs and much more ...!

VitalCare platform can also work as a "black-box" for the IT infrastructure of healthcare organizations by the use of secured webservices managed by a VitalCare Agent.

This means that if the organization already has e-Tools, VitalCare functionalities can be still integrated to upgrade the existing system.



## REFERENCES

Vitalsys solutions, products and services are actually used by several innovative companies & organizations such as the Wit-Gele Kruis Genk, the SCSAD Charleroi, Axa-Assistance, Sanofi Aventis, Boehringer Ingelheim, UCB, AstraZeneca and, at hospital level, some departments of cardiology.

Vitalsys is also partner and supplier of Belgacom Group. Vitalsys systems are developed with the support of the Belgian Science Policy (BSP), the Brussels Scientific Institute for Research and Innovation (IRSIB) and the Flemish IBBT (Institute for Broadband Technologies).

Vitalsys is involved until 2009 as medical devices and telemedicine systems supplier in a huge telemedicine clinical study in chronic heart failure.

This trial is mainly granted in Belgium by the Region Bruxelles Capitale, the national sick fund INAMI-RIZIV, the telecom company Belgacom Mobile and the insurance & assistance company Touring.

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Realized with the support of Brussels Export