

CASE STUDY

Remote monitoring for patients with heart failure

Duration

18 months



Comarch successfully identified the complex needs of heart failure patients and transformed these into clear technical requirements to improve their products.

Lily Smet

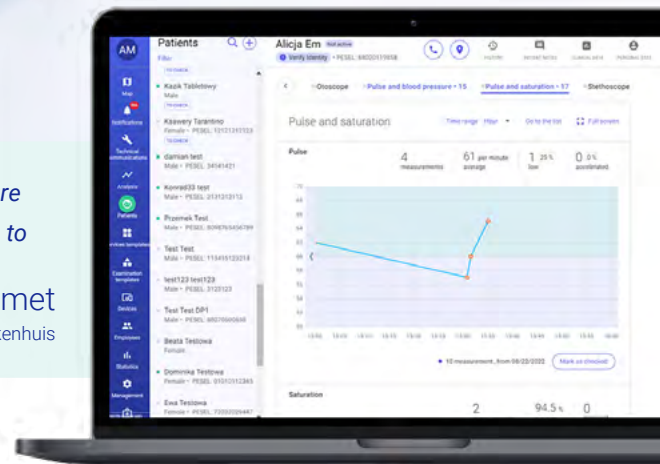
specialized heart failure nurse at A.S.Z. Ziekenhuis

Executive summary

This telemonitoring project is led by the cardiology department of ASZ Aalst, which is an innovative hospital in Belgium. It has started with a pilot phase of a remote medical care program for patients with chronic heart failure. The aim of the pilot was to provide these patients with continuous follow-up from home for a duration of six months per patient, and to ensure therapy adherence, self-monitoring, and immediate intervention to avoid complications and adjust therapy when needed. The goal of this project is to facilitate early detection and, in this way, avoid deterioration and potential critical situations.

Background

Heart failure is a prevalent chronic condition worldwide, impacting millions of individuals who require ongoing medical attention and lifestyle management. Conventional care models often result in delayed interventions and frequent hospitalizations. Remote monitoring offers a proactive solution to address these challenges locally, with benefits for patients and healthcare providers.



Objectives

1

Increase patients' awareness and involvement in therapy

Providing patients with real-time data and insights into their condition, fostering a sense of ownership in their healthcare.

2

Decrease the number of complications and hospitalizations

The program seeks to decrease the number of complications and hospitalizations among heart failure patients, ultimately reducing the healthcare burden and costs associated with frequent admissions.

3

Empower patients to take control over their disease

Equipping patients with the tools and knowledge to make informed decisions about their health, promoting self-care, and enhancing their overall quality of life.

Solution



For patients:

HomeHealth App with Bluetooth-connected measuring devices to track their heart condition, ensuring guidance throughout the measuring process and providing insights into the historical results.

For ASZ Aalst:

e-Care telemedicine platform to monitor patients remotely 24/7, intervene immediately, and consult a full overview of the patient profile.

+ A video consultation module is available on the app and the platform.

Project approach

ASZ Aalst was able to set up a remote monitoring plan for patients with heart failure by working closely with Comarch. Patients who are included were recently admitted to emergency service and selected by the medical personnel for a six-month home-based follow-up.

A "building block" approach allowed Comarch to tailor their solution in such a way that it meets all identified requirements of ASZ Aalst. After creating a dedicated environment on the Comarch Servers, comprehensive training sessions were conducted for ASZ Aalst project leaders and nurses, enabling them to utilize the platform and provide patient training effectively.

Comarch S.A.

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