

In Portugal...

- People who remain hospitalized after clinical discharge represent almost 12% of total hospitalizations in the public healthcare system
- Patients over the age of 65 make up 74% of the people with prolonged hospital stays after clinical discharge in public healthcare
- There's a 9.9% chance of a patient contracting healthcare associated infections during their hospital stay
- Extended hospital stays could cost the State 300 million euros in a single year

MediVest Aims to...

- Improve quality of care offered by public and private hospitals by reducing strain put on medical staff, while increasing bed turnout
- Guarantee continuous monitoring of lower-risk and elderly patients in the comfort of their home, while mantaining contact with their medical professionals

Check you vitals any tin Check your report history

Hardware

MediVest is equipped with a heart rate monitor, thermometer and Inertial Measurement Unit to assess the patient's vitals and fall risk, as well as an oximeter, placed in an external dock, to measure oxygen saturation

A SOS button is available in case of emergency, with an imediate call placed to emergency services

All data is then sent via Wi-Fi resorting to two ESP32 units

The vest and dock are both powered by long-lasting batteries

Software

Data is updated with new assessements in real time

Firebase Google Cloud service stores all data received from the vest

All data is then received on the app and on the patient's healthcare provider's central, and treated according to each patient's personal thresholds

App and medical central are equipped with notification alerts in case of emergency







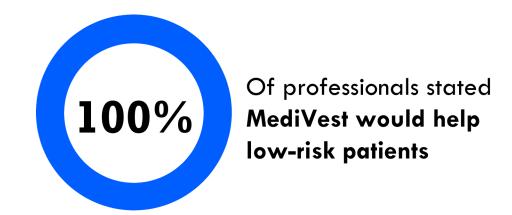


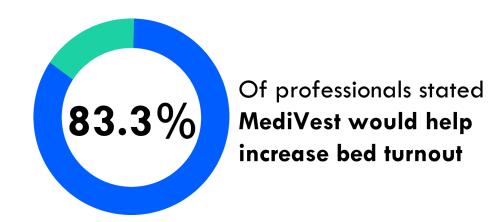


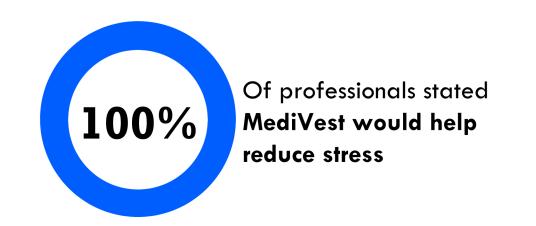
Your healthcare provider is able to monitor and interpret any of your data, as well as check your daily reports through their own central

What do Professionals Think?

Throughout the development of this project we have been in close contact with medical professionals, caregivers and healthcare students to ensure our project meets all requirements to safely monitor low-risk patients at home Out of **35** health professionals:







Why Choose MediVest?

	V-SOS	Vital Connect	Fitness Bracelets
Heart rate	X		
Temperature	X		
Oxygen	X		
Emergency Button		×	
User Data	X		

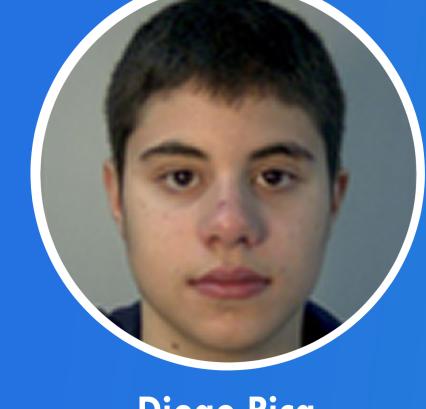
MediVest is the **only** product that offers constant and personalized patient-hospital connection while assessing all vital criteria!



We Would Love to Hear from You!

Contact us at medivestproject@gmail.com Or go to our website at: https://web.tecnico.ulisboa.pt/ist1103289/

Visit Our Website!



Diogo Pica Database



Eduardo Larguinho **Medical Central**



Francisco Pereira



João Rocha Electronics



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Application

