

persist 

## **PERSIST PROJECT:**

PERSIST project aims to improve the quality of life of breast and colorectal cancer survivors by developing an innovative ecosystem to support the decision-making of physicians contributing to optimal treatment decisions and follow-up. As a part of the project patients will be provided with two smart devices collecting information and facilitating the contact with their doctors.

Patients included in the PERSIST pilot study will receive **Huawei Y6 2019** smartphone and **M4 model smart band**.



Patients can use the PERSIST **mHealth** mobile application and communicate with doctors and smart band by using the phone.



## **HUAWEI Y6 2019 SMARTPHONE:**

The smartphone allows you to do more than make phone calls and send text messages. By using Huawei Y6 2019 smartphone patients will able to use the mobile app and connect to smart band via Bluetooth.



## **SMART BAND:**

The smart bracelet is a wearable device incorporating technology that allows individuals to track their health parameters and analyze their movements and sleeping.



For charging the smart band, user should pull out the main part from strap and then connect it to an usb charger.

The smart band M4 model connects to the PERSIST **mHealth** mobile app via Bluetooth. Besides acting like a watch, the smart bracelet is also able to:

- Display current date



- Display heart rate.



- Display blood oxygen.



- Display blood pressure.



- Display sleep records.



- Display physical activities and parameters such as distance, step count and calories burned.



Therefore, patients will be able to access this information at any time as long as they wear the bracelet on their wrist.

## PERSIST mHealth MOBILE APP




The screenshot shows a 'Details' screen with a form containing five input fields: 'Name', 'Address', 'Phone', 'Date of Birth', and 'Primary Doctor'. The bottom navigation bar is visible at the bottom of the screen.

The mobile application is available on the smartphone. It can be connected with the smart bracelet through Bluetooth connection.

- When connected to the smart bracelet the **mHealth** allows a better visualization of the parameters displayed on the smart band.



The **mHealth** app has the following features:

- Registers the medical appointments and allows the doctors to contact their patients.

- Patients can answer questionnaires related to their health and health care services. These questionnaires will assess patients' perception of their functional well-being and health status as well as patients' views and observations on aspects of health care services they have received. An alert will be triggered and sent to the clinician if the patient's health is at risk in order to take prompt actions.





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