



Mobile therapeutic  
attention for  
patients with  
treatment resistant  
schizophrenia



Co funded by the  
European Union

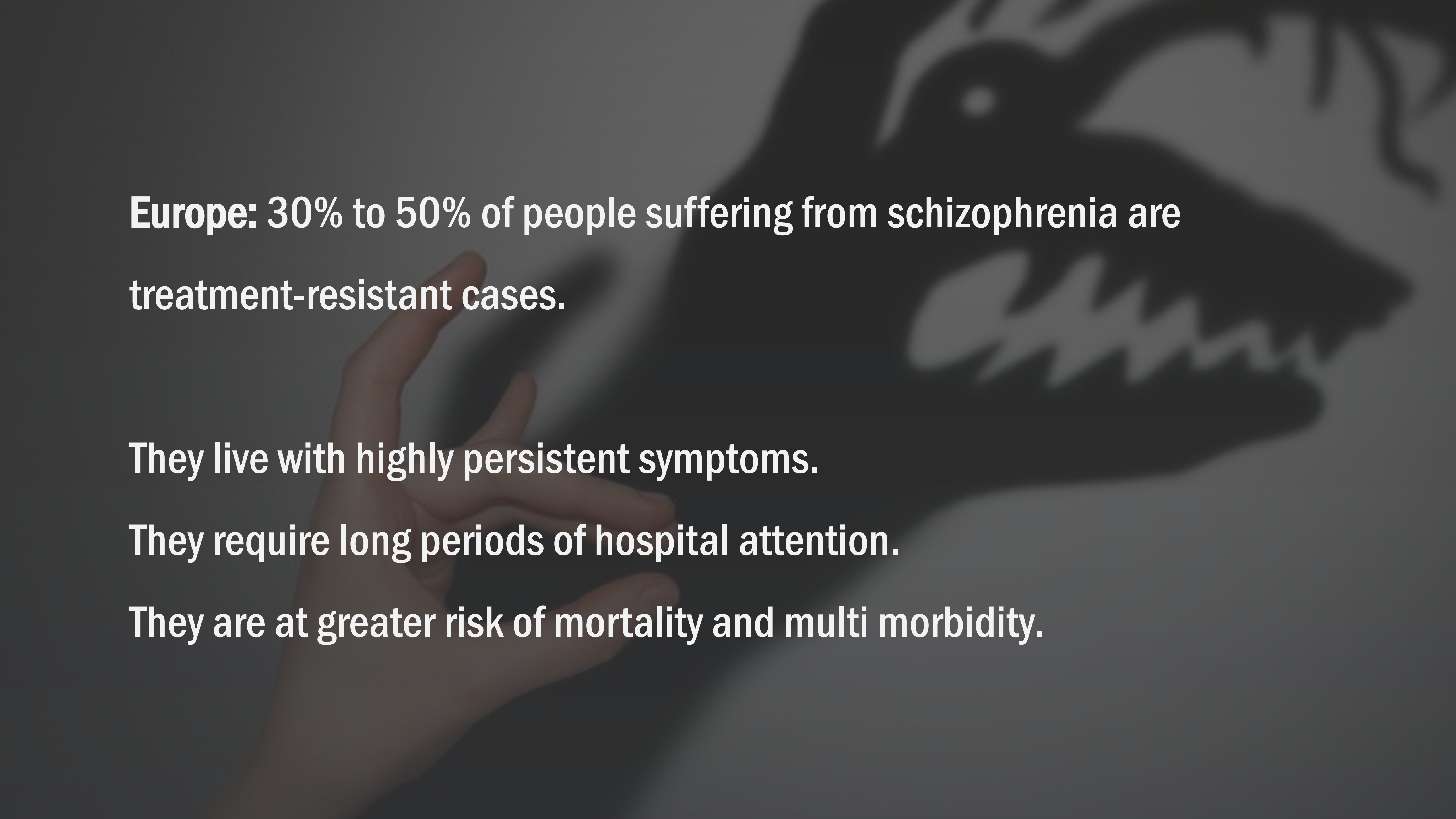




# mHealth Tools for patients with treatment resistant schizophrenia



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A hand is shown holding a small, dark, irregularly shaped object, possibly a piece of wood or a small animal, against a dark background. The background features a faint, stylized map of Europe. The text is overlaid on the image.

**Europe: 30% to 50% of people suffering from schizophrenia are treatment-resistant cases.**

**They live with highly persistent symptoms.**

**They require long periods of hospital attention.**

**They are at greater risk of mortality and multi morbidity.**





Log in with your m-resist  
username and password

Username



Password



Submit

[Need Help?](#)

**What is it about**



This project is co-funded by the European Union  
under Horizon 2020.



**An innovative disease management system based on mobile technologies**

**Empower patients with treatment-resistant schizophrenia to better self-manage their condition**



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# Goal 1

**Involve patients & their carers  
in managing the disease**



# The elements of the solution

## Smartwatch app for patients

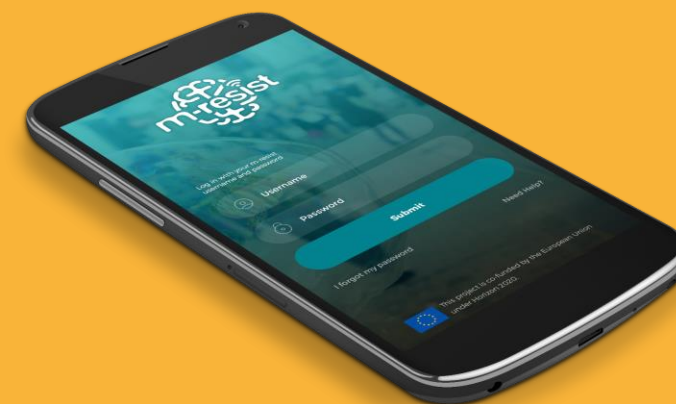


### Sensor data collection

Monitor sleep pattern, activity & heart rate

Triggers warning signs

## Smartphone app for patients & caregivers



### Symptoms, adherence & lifestyle management

Warning signs & coping strategies

Recommendations & motivational feedback

Self-Assessment questionnaires

Messaging system

## Web dashboard for the clinicians



### Overview of patients data

Clinical assessment

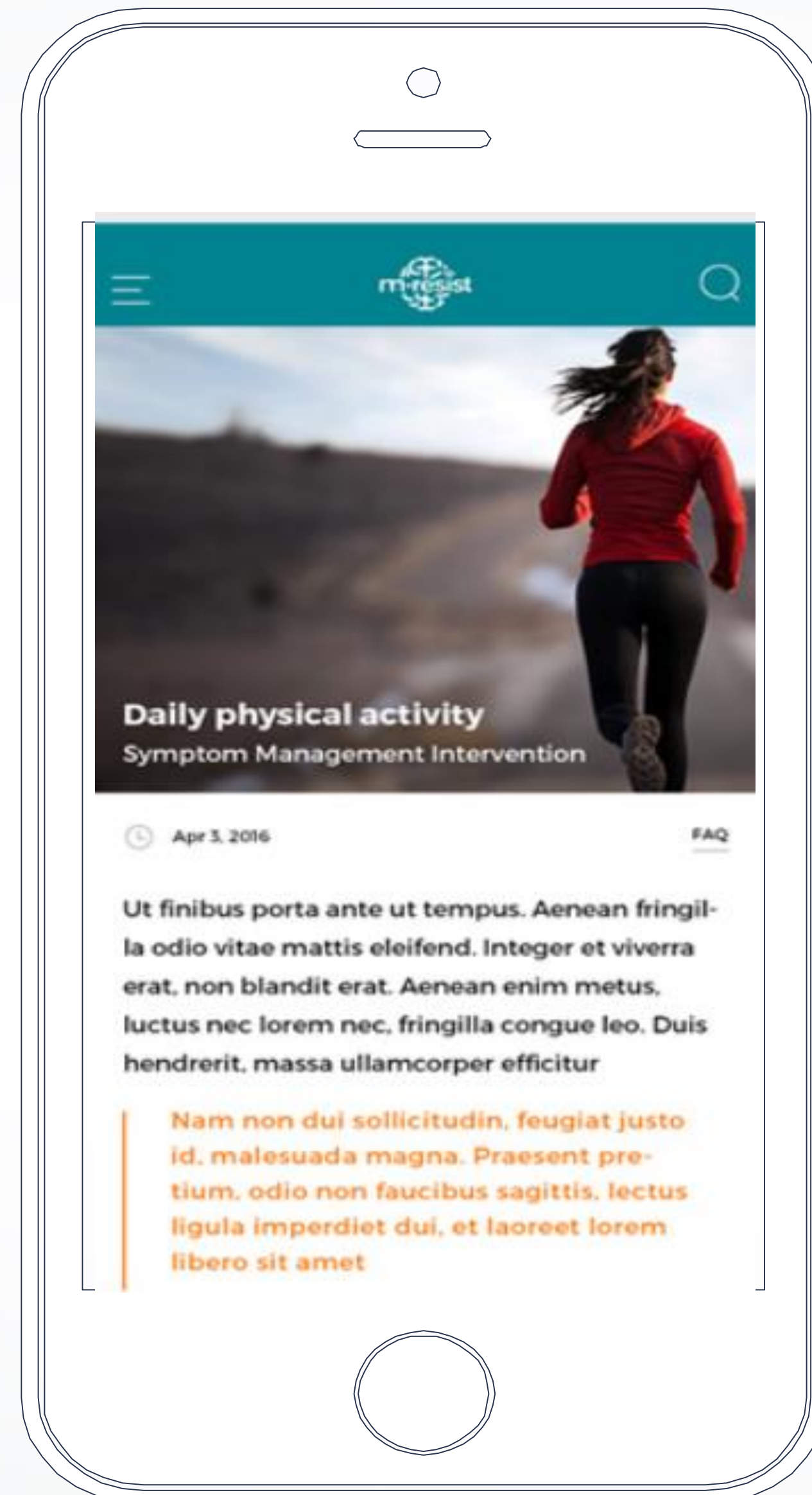
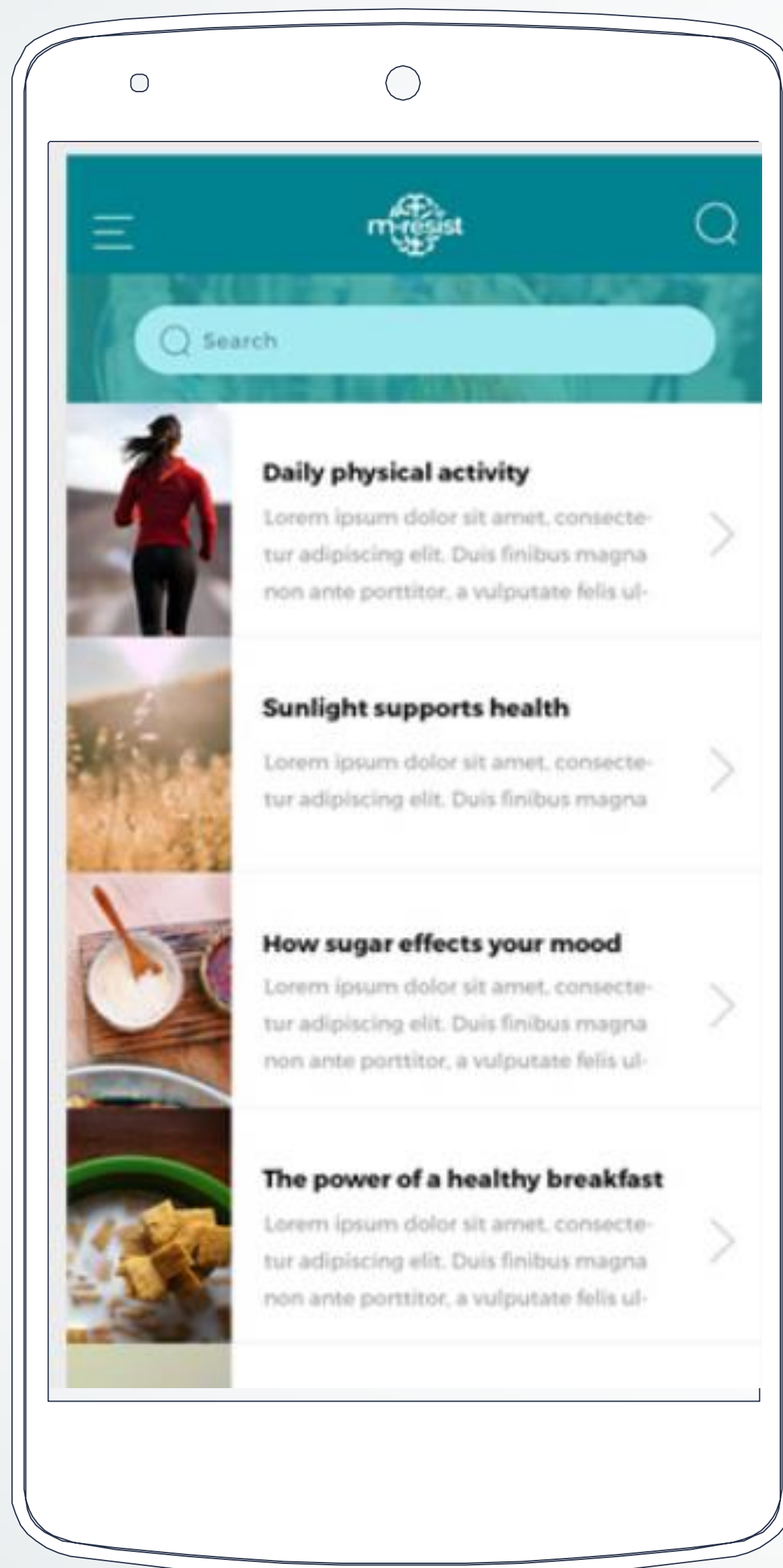
Notes & medical record keeping

Patterns analysis

Predictive analytics

Risk assessment

Recommendations

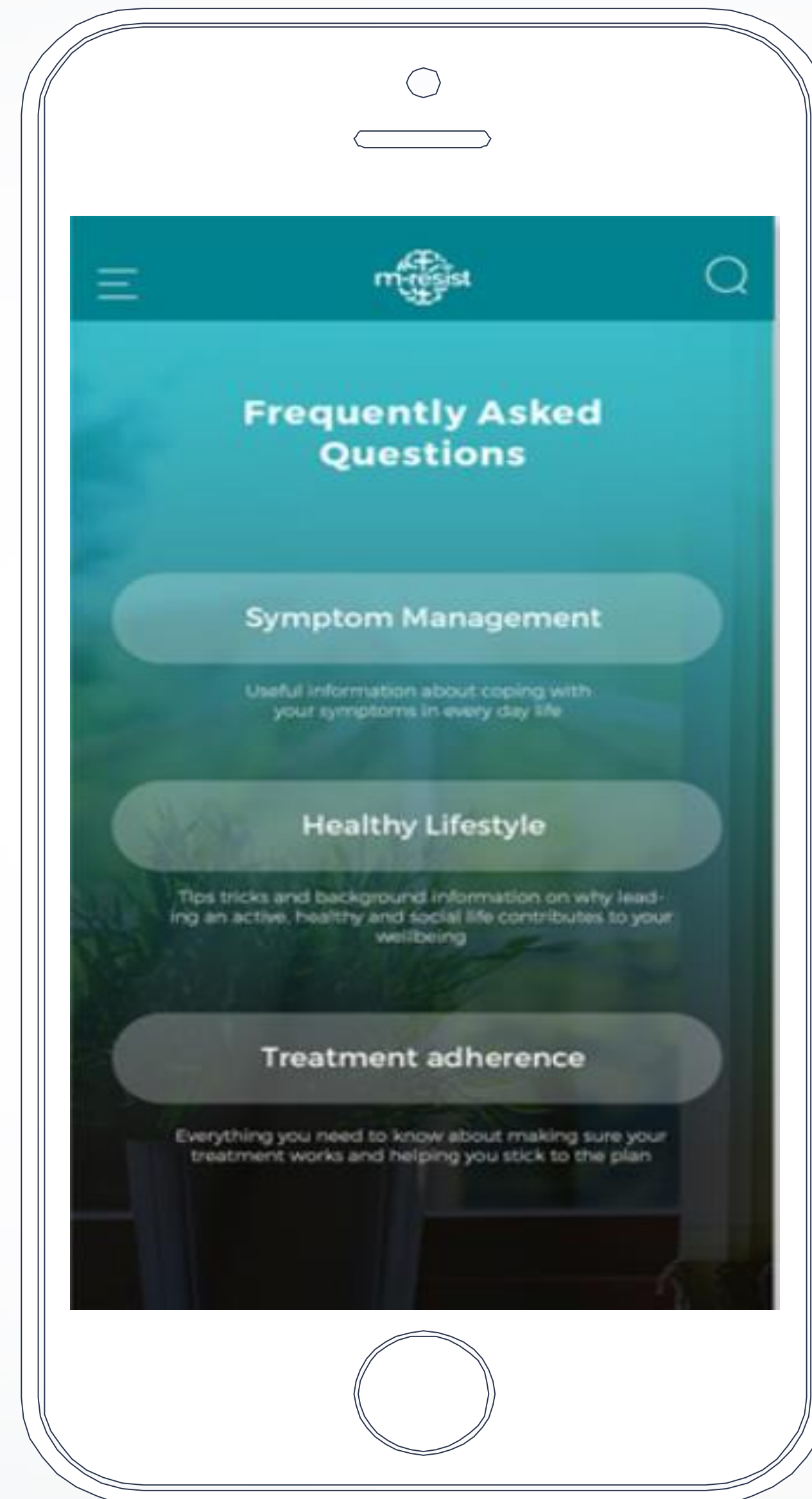
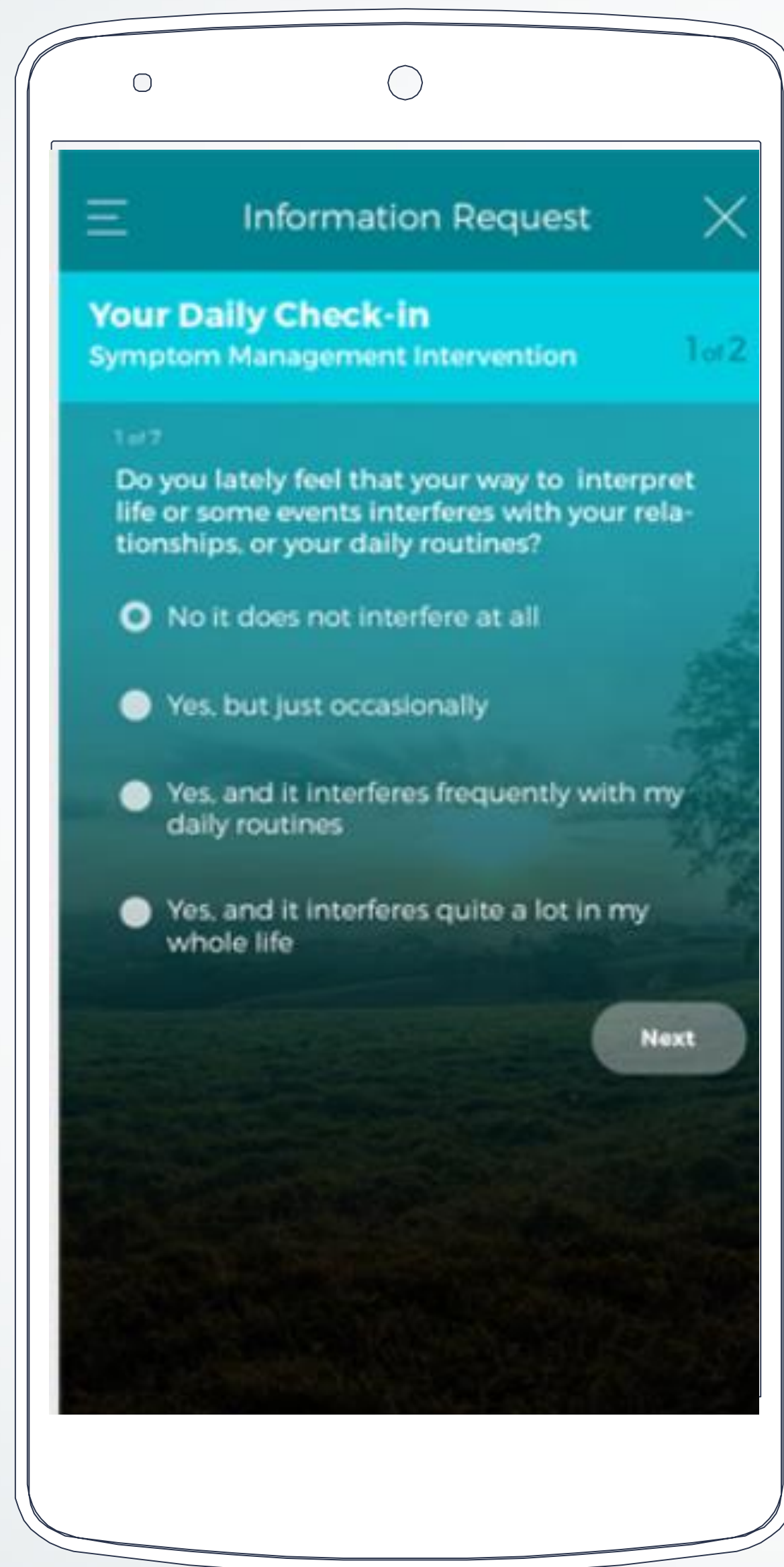


## Additional elements

An application promoting a  
healthy  
& active lifestyle  
to avoid weight gain & type 2  
diabetes







## Additional elements

Cognitive  
therapeutic interventions





# The benefits of the solution



Improves **communication** between patients, caregivers, and clinicians



Includes a **complete assessment** of personal and clinical variables



Defines **targeted interventions** that mitigate the severity of worsening



Captures **multidimensional behavior** in real-time in real-world environments



Detects individual **Early Warning Signs** and offers personalized recommendations

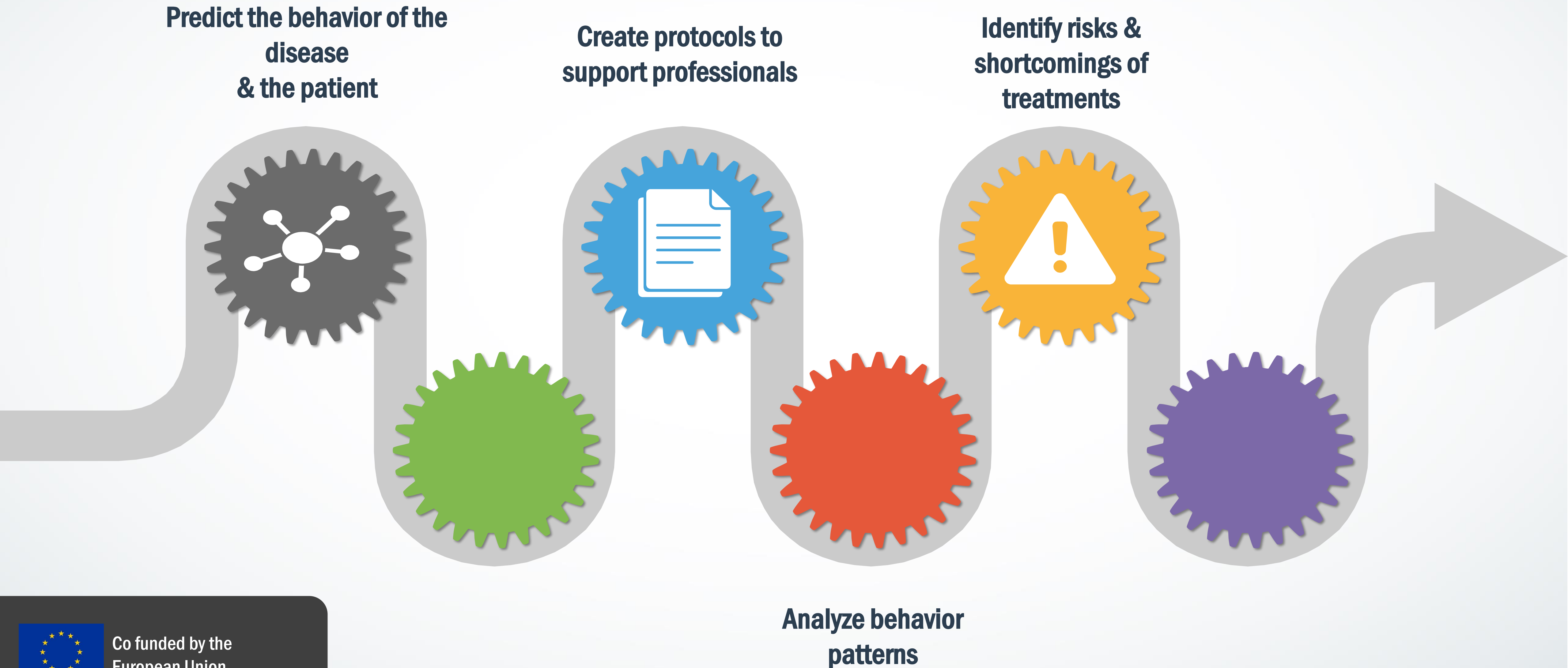


## Goal 2

**Take steps forward in knowledge about TRS  
by studying predictive models**



# Leading to new treatment protocols





First time that a therapeutic  
project is based on **mHealth**  
**tools** for schizophrenic  
patients  
**resistant to treatment**



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# Testimonials

**Dr. Iluminada Corripio,**  
Hospital de la Santa Creu  
i Sant Pau

*“It is a very innovative project  
as it is the first time in Spain and Europe that  
work is being done to develop the therapeutic  
project for patients with treatment-resistant  
schizophrenia  
with the help of mobile health tools”*



# Testimonials

**Dr. Asaf Caspi,**  
**Dir. of Ambulatory Psychiatric**  
**Services at the Sheba Medical**  
**Center**

*“They hope that the m-Resist will prove to be of true benefit for schizophrenic patients by expanding the area of application of personalised pharmacological and psychological treatment, the continuity of the healthcare and the participation of the carers”*

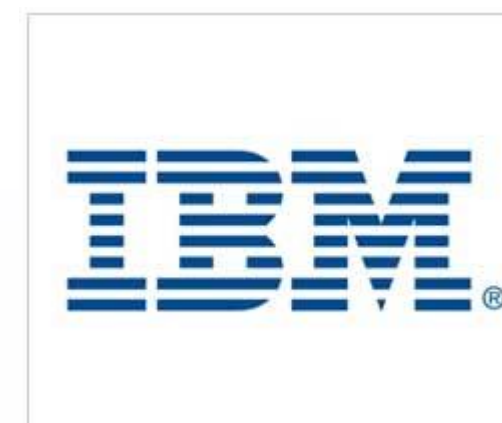




# Partners

## Follow

- [www.mresist.eu](http://www.mresist.eu)
- Twitter - mResist\_eu
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This project is co-funded by the Horizon 2020 Framework Programme of the European Union under grant agreement no [643552].

# Contact Us



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