



PERSIST

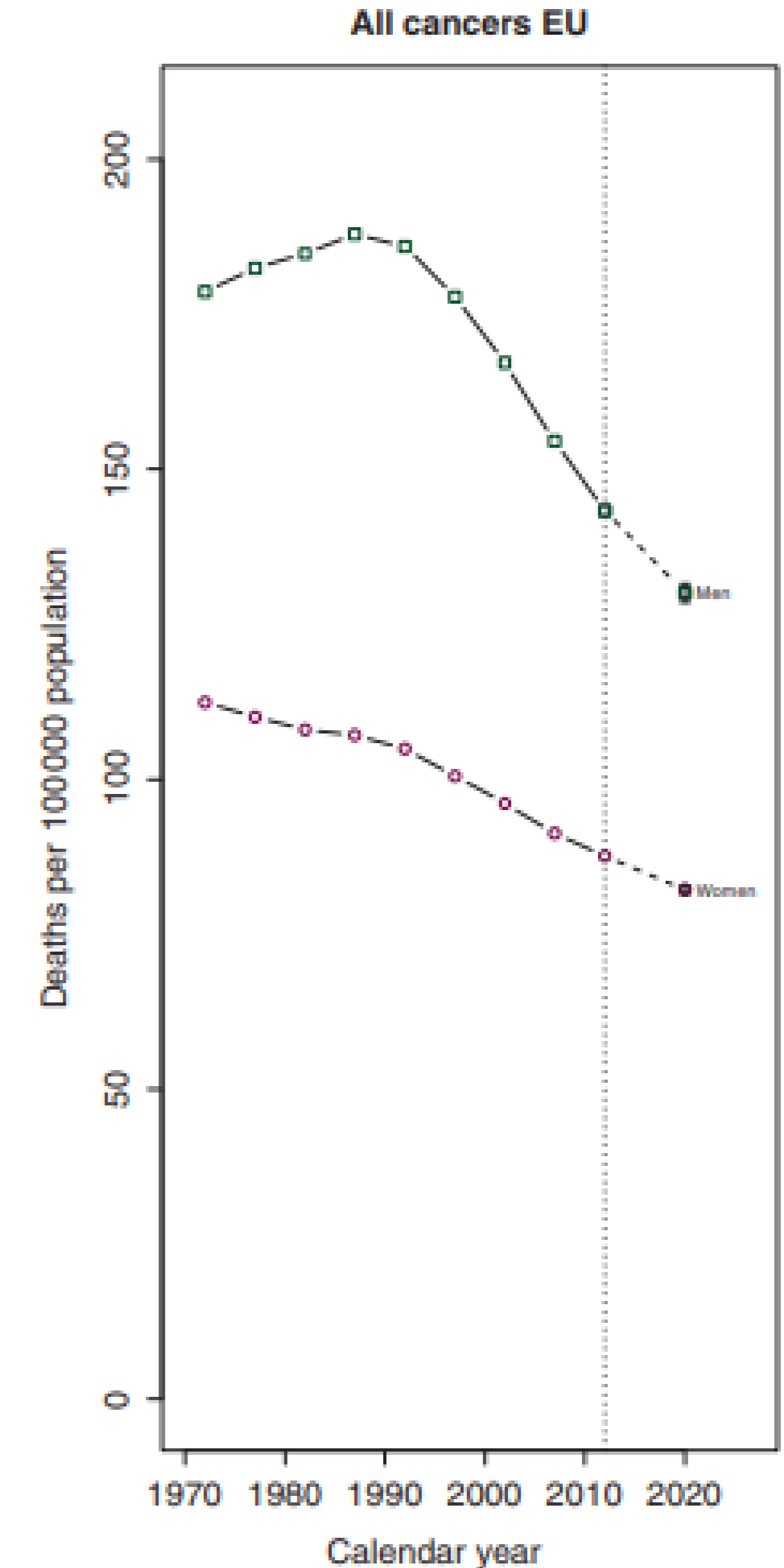
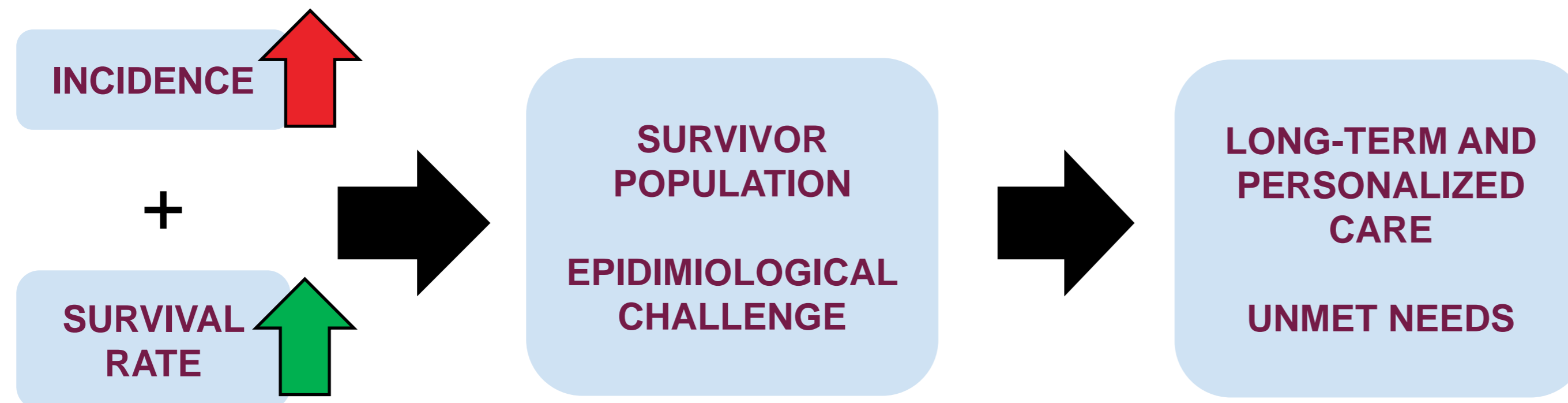
**Patient-centered care plan for cancer survivors
based on Big Data and AI technologies**

Alberto Sánchez Sánchez - Head of eHealth - Gradiant
asanchez@gradiant.org | +34662293120

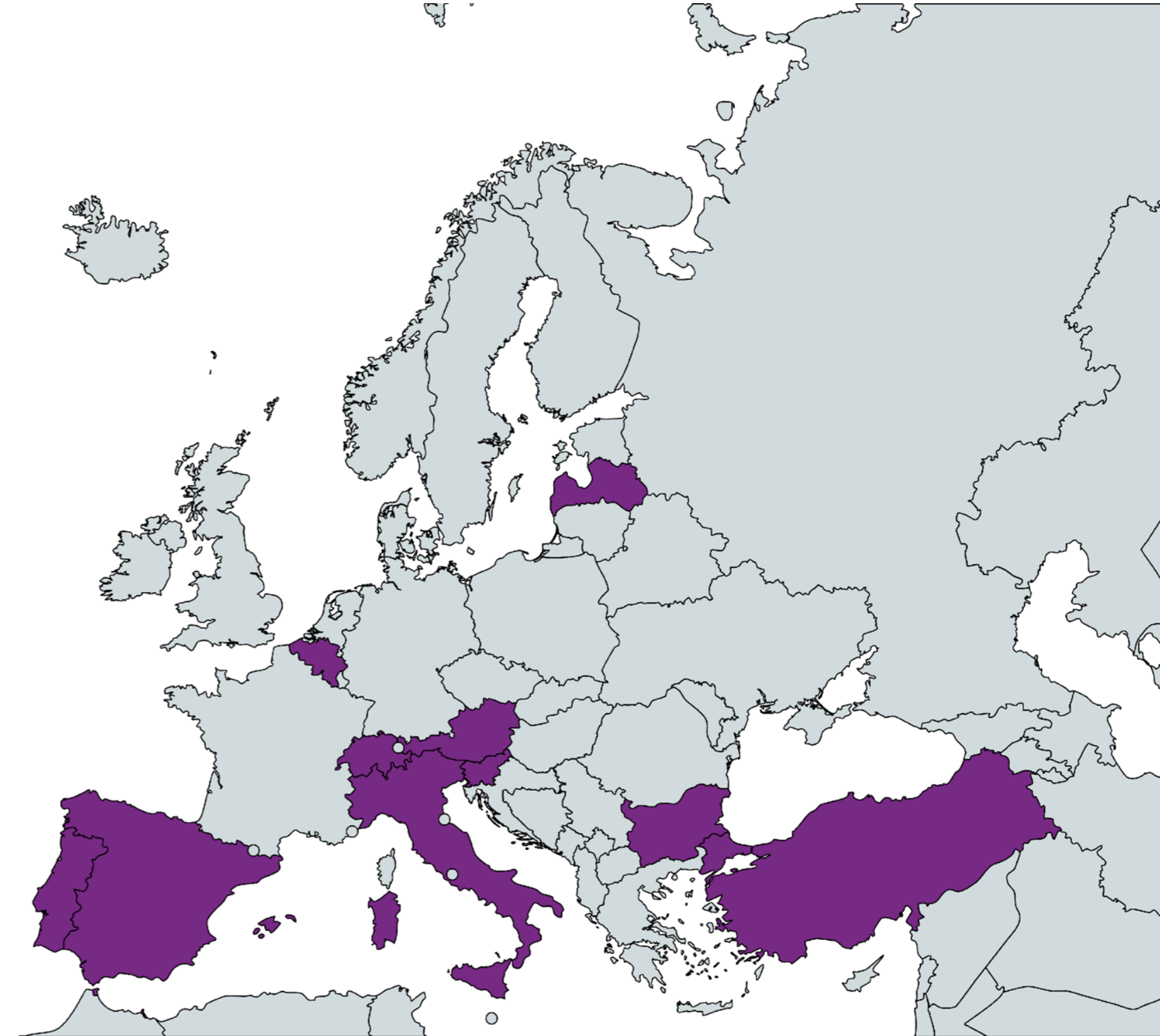


Some data to start...

- ~4.5M new cases in Europe per year
- 20% of healthcare burden
- Survivorship is increasing – 3% per year



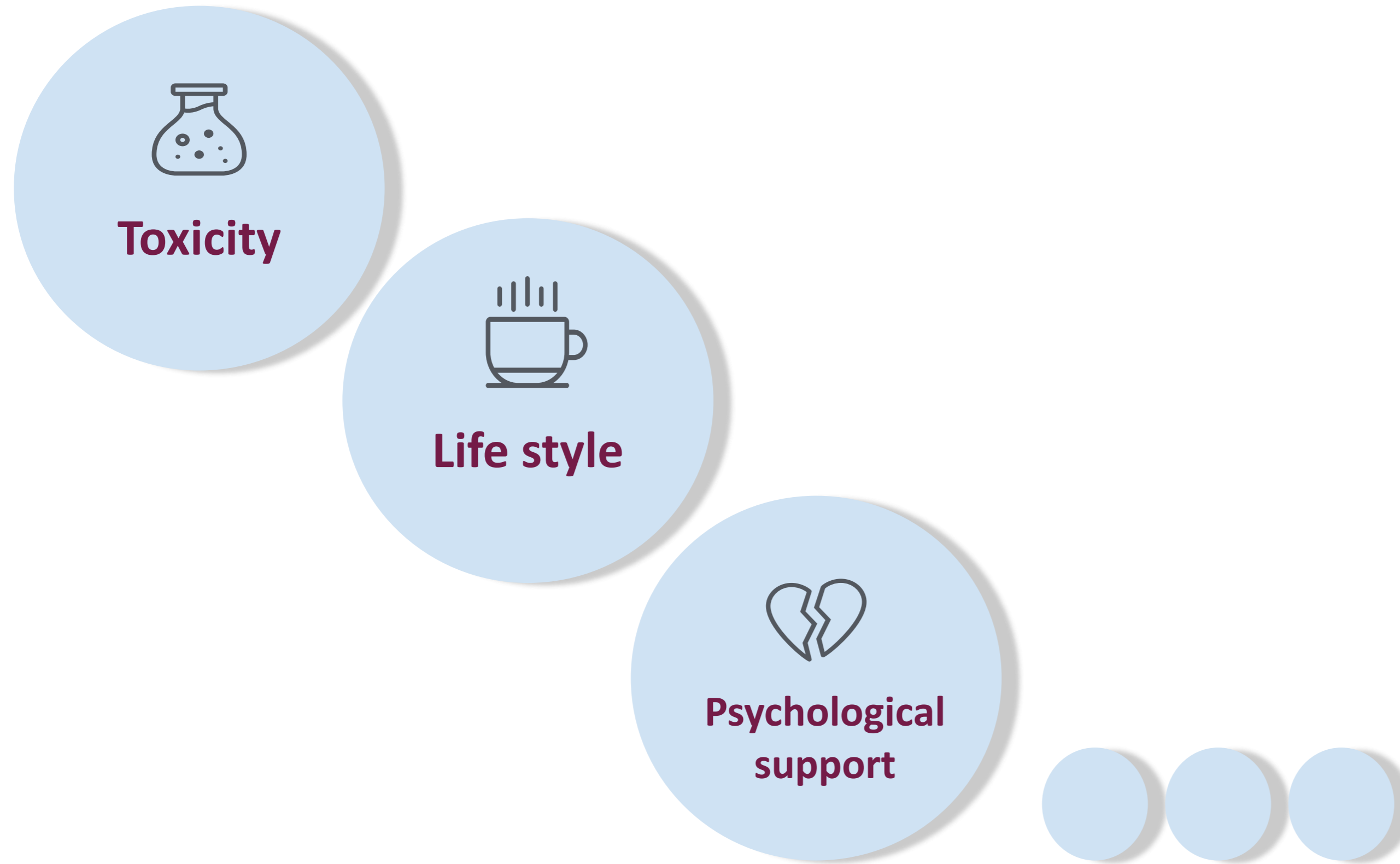
PERSIST – Horizon 2020



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 875406



Challenges for patients



Challenges for professionals



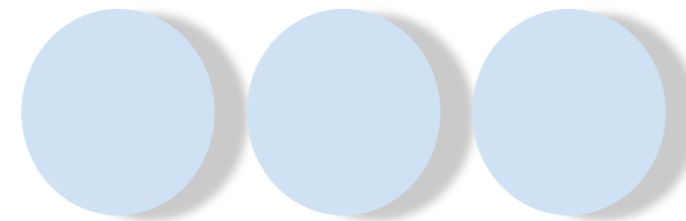
**Poor
coordination**



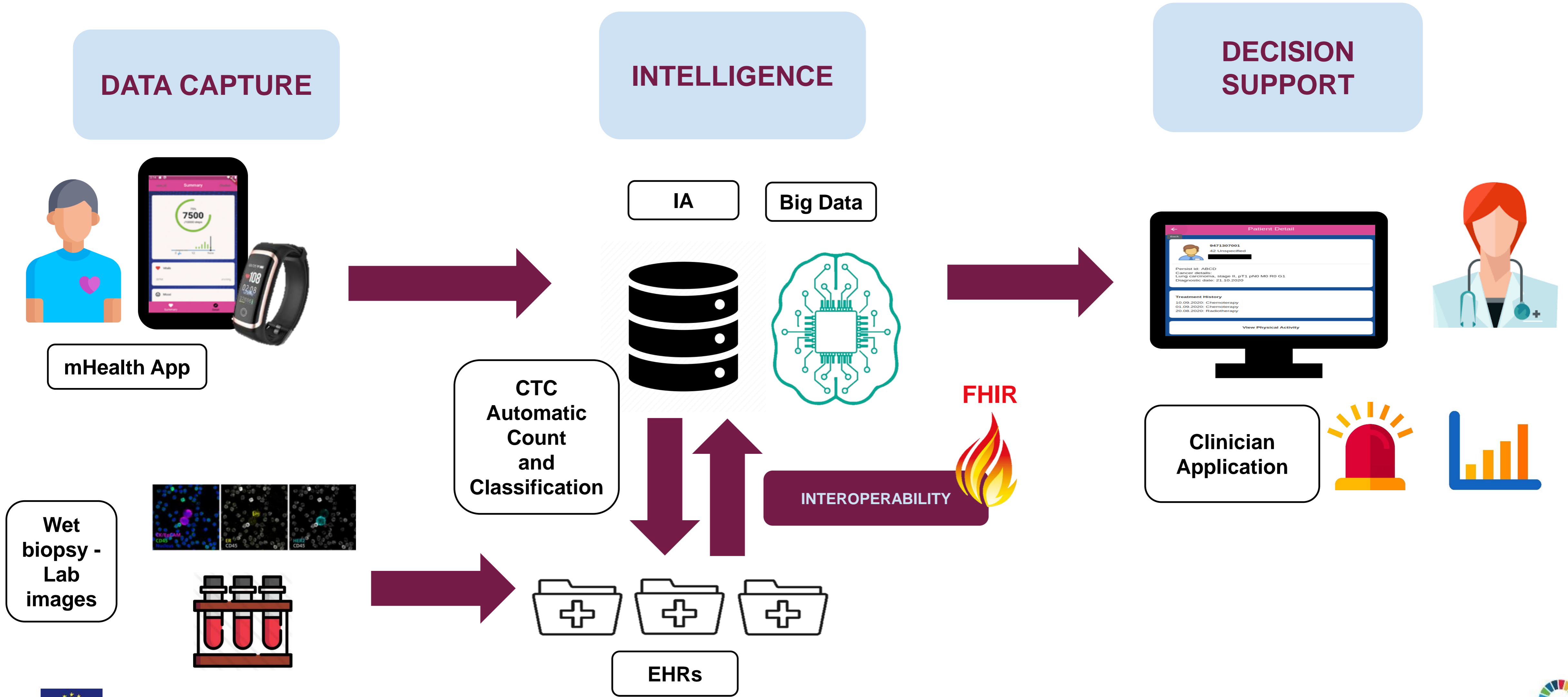
**Non
individualised
care plan**



**Lack of
specialists**



PERSIST - Survivors Care Plan



PERSIST - Patient's mobile App

Data Capture

- Smart Band
 - Heart rate
 - Blood pressure
 - Step count
 - Sleeping patterns
- Questionnaires
 - Emotional State (Emotion Wheel)
 - Video – (IA Emotional assessment)

Visualization

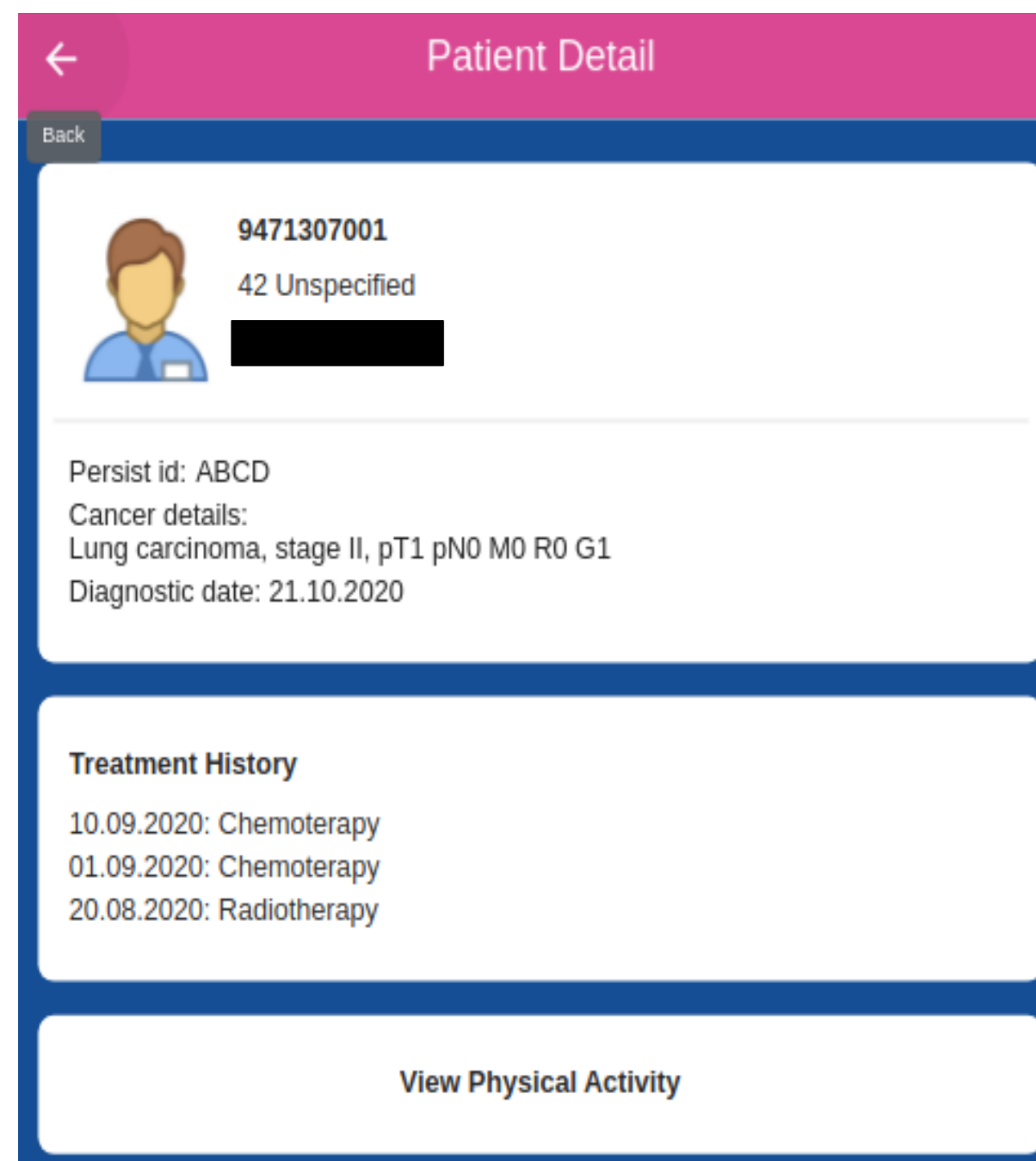
- Trends
- Care plan – Created by the physician in charge



PERSIST - Clinicians' web app

PERSIST clinician application

Clinicians will be able to track patients evolution more easily while they also receive support from the PERSIST's Artificial Intelligence



Data Visualization

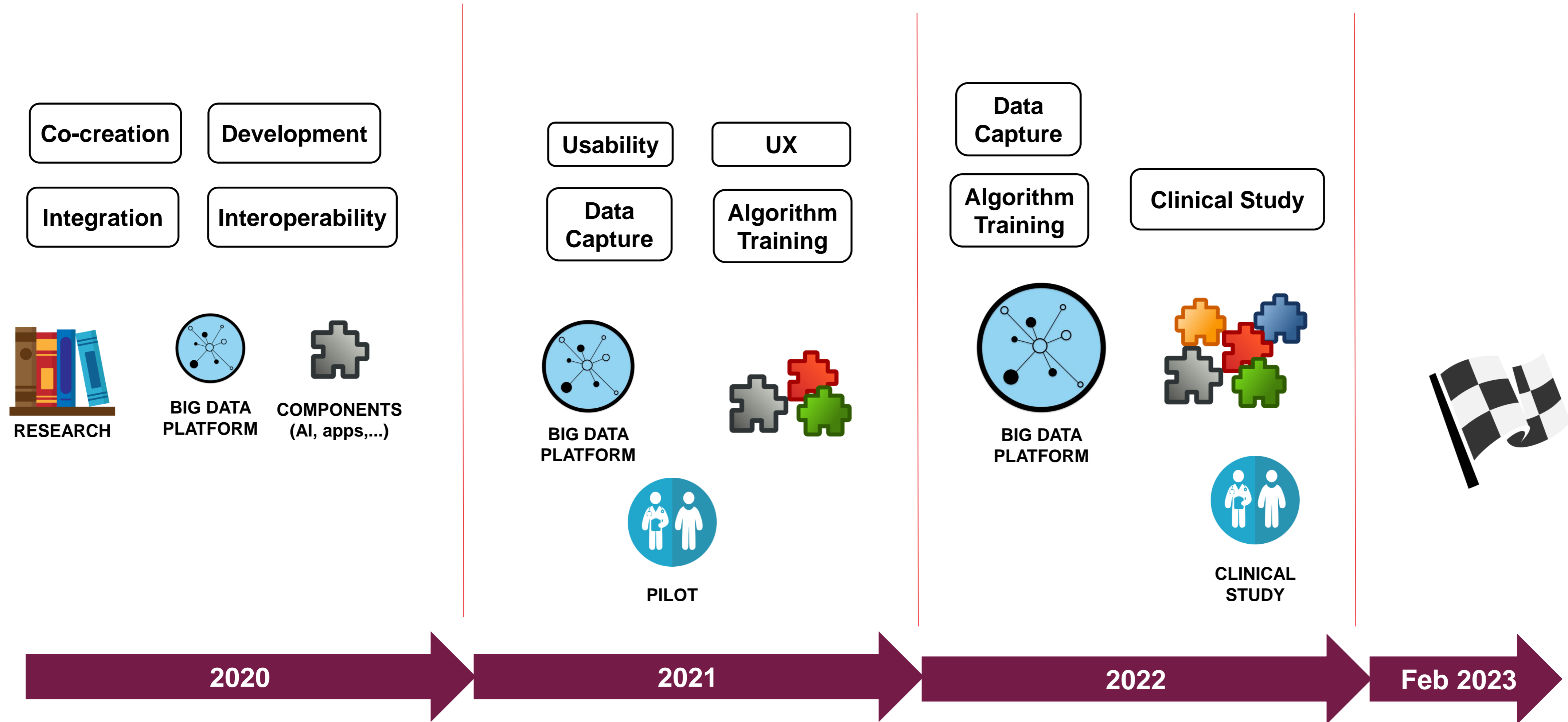
- Closest follow-up

Alerts

- Adverse events
- Recurrence
- Depression




Timeline



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Patients feedback



68 old patient
with colon cancer

“
I joined the study, as it was a proposal of medical breakthrough. In the study I am comfortable. I believe that everything that helps patients, both in technology and other advances, is always positive.
”

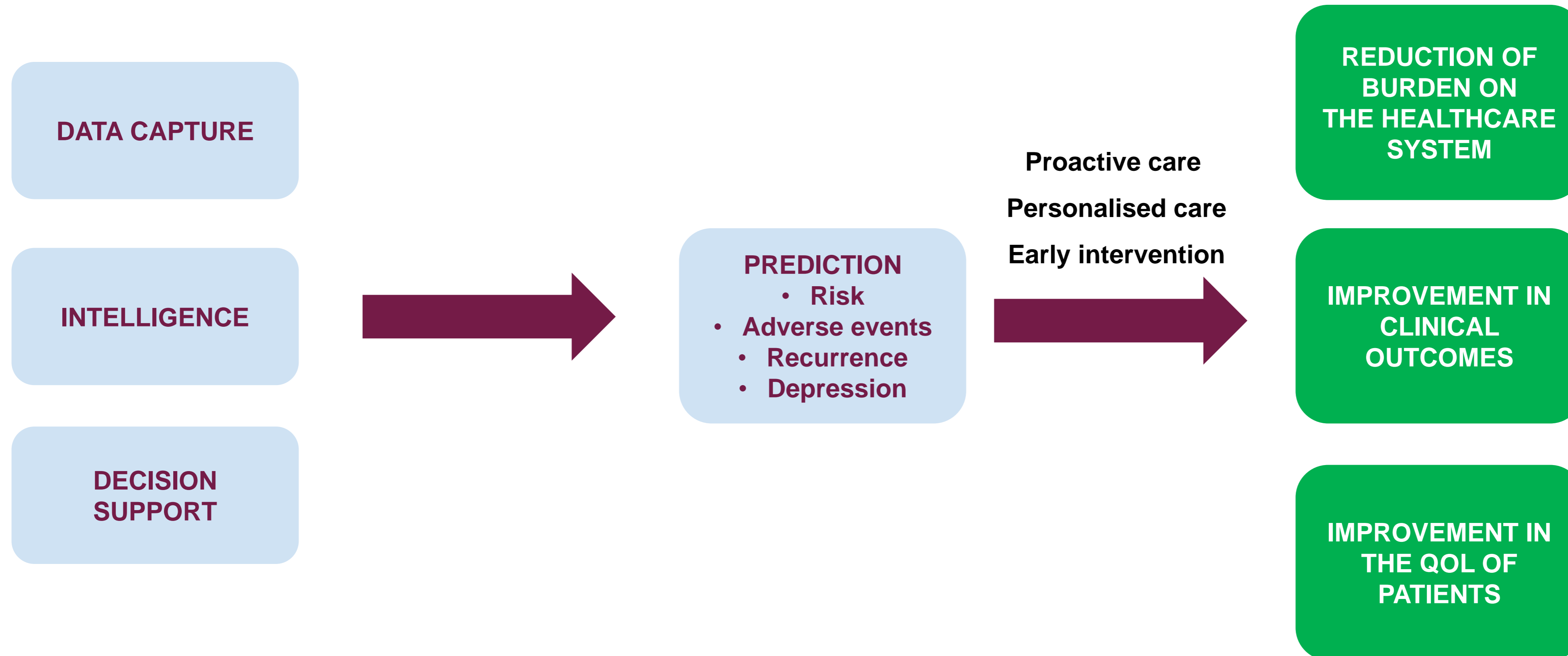


54 year old patient
with breast cancer

“
The study helps me to take care of myself, which I find interesting. It allows me to become more autonomous by supervising myself without the help of a relative. In addition, for the first time I can make the link between physiological parameters such as blood pressure and my mood.
”



Healthcare systems resilience – Improved Care Models



Healthcare systems resilience – Post-COVID syndrome

