

## PROCESS EVALUATION PLAN AND TOOLS AT THE PROVIDER, PARTICIPANT AND COMMUNITY LEVEL

DigiCare4You aims to improve the early prevention and management of Type 2 Diabetes (T2D) and hypertension (HTN) via a community-based, person-centred solution, integrating both social and healthcare systems, supported by the use of digital tools.

Implementation and process evaluation is an integral part of health intervention trials. To assess the overall effectiveness of the DigiCare4You solution, a process evaluation plan and tools were developed alongside an impact and outcome evaluation plan and tools.

### PURPOSE

The primary goal of the process evaluation is to **determine whether the DigiCare4You programme is being implemented as intended across the various levels of the programme, namely provider, participant and community.**

The process evaluation provides important insights into the programme's implementation and ultimately evaluates whether the interventions have achieved their desired outcomes.



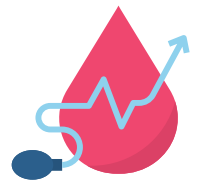
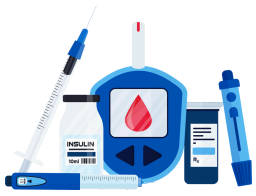
### KEY FRAMEWORKS AND MODELS

VARIOUS FRAMEWORKS AND MODELS ARE USED TO EVALUATE DIGITAL HEALTH INTERVENTIONS AND THEIR IMPLEMENTATION INCLUDING:

- RE-AIM MODEL
- MEDICAL RESEARCH COUNCIL (MRC) PROCESS EVALUATION FRAMEWORK
- CENTERS FOR DISEASE CONTROL (CDC) AND PREVENTION FRAMEWORK FOR PROGRAMME EVALUATION IN PUBLIC HEALTH
- DESIGN AND EVALUATION FOR DIGITAL HEALTH INTERVENTIONS (DEDHI) FRAMEWORK.

A systematic review was carried out to support the development of the DigiCare4You process evaluation plan and tools. The review focused on two questions: which implementation and process evaluation measures have been used in mHealth interventions for T2D and HTN, and what recommendations can guide the evaluation of the DigiCare4You programme. The findings informed the design of the DigiCare4You process evaluation and implementation plan.



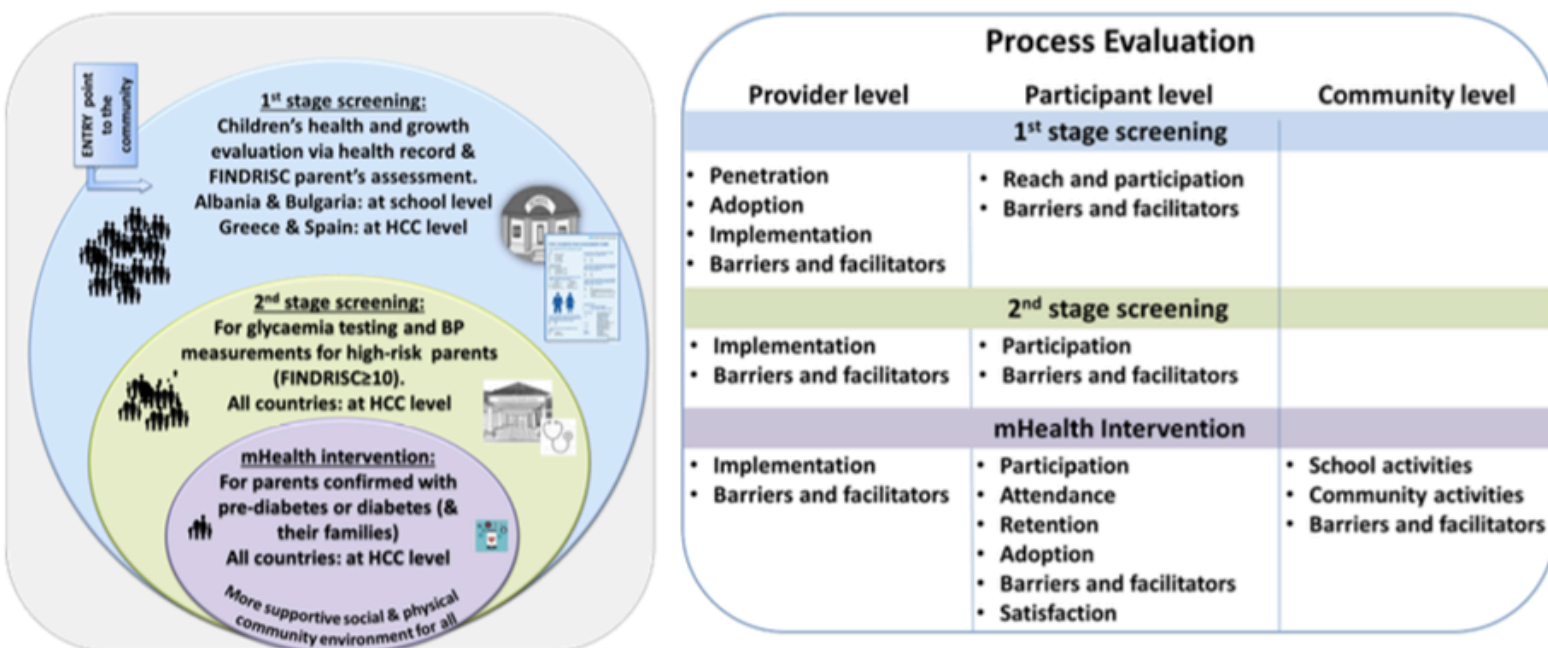


## PLAN AND TOOLS FOR THE PROCESS EVALUATION OF THE DIGICARE4YOU SOLUTION

The tools aim to **evaluate whether the programme was implemented as planned** at the provider, participant and community level **across the various stages of the programme including recruitment, the mHealth intervention and the community component.**

The process evaluation is ongoing throughout the implementation period. **Implementation measures have been decided and divided according to the different stages of the programme, namely the first-stage screening, second-stage screening and the mHealth intervention. Some implementation measures such as ‘penetration’ which is the proportion of the target population approached and invited to engage in the programme or ‘adoption’ which is the proportion of settings that agree to implement in comparison to those approached to participate are measured quantitatively while other measures such as ‘barriers and facilitators’ include the collection of qualitative data through interviews.** An overview of the process evaluation plan of the DigiCare4You solution can be found in Figure 1 below.

Evaluation and implementation measures are measured on a weekly or monthly basis depending on the measurement. An in-depth description of each measure for each intervention stage and at each level which includes how, where and at what frequency the measure will be evaluated, can be found in deliverable 5.1 [here](#).



**Figure 1. Process evaluation plan of the DigiCare4You solution**