

INCAP INTEGRATED CARE PROGRAM

ENHANCING CARE PATHWAY IN THE VIRTUAL ENVIRONMENT

Optimal **type 1 diabetes (T1D) management** imposes a considerable burden on patients, healthcare providers and payers.

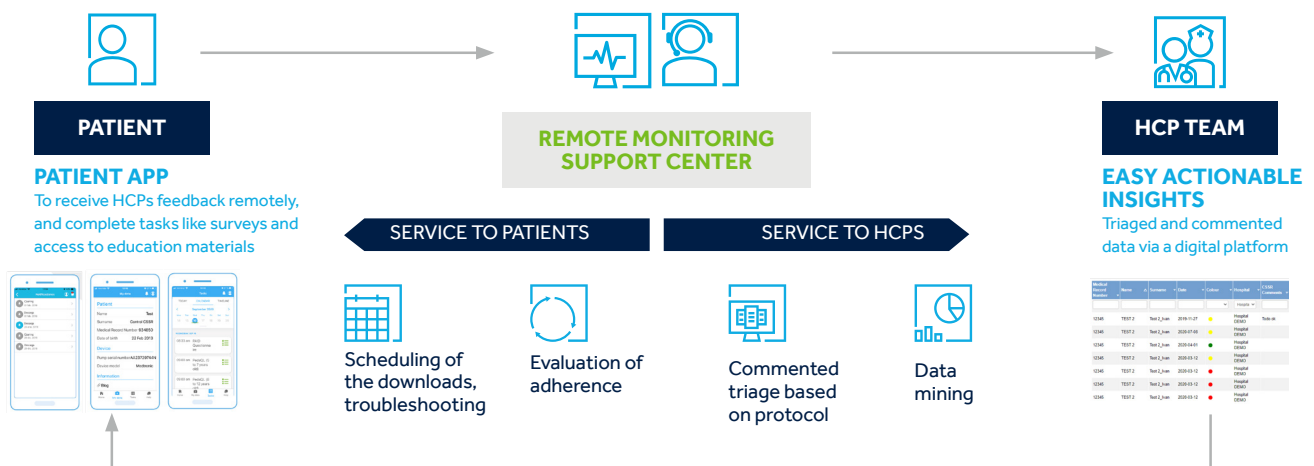
Recent advances in the medical technology field have shown clear benefits in diabetes care: the use of **digital technology** represents a step forward towards increasing **patient self-confidence and engagement** in diabetes management and offers healthcare systems the opportunity to measure and potentially improve patient performance.

WHAT IS INCAP?

INCAP is an **integrated solution for the remote monitoring** of diabetes patients using a Medtronic **device**, aiming at **optimizing their entire care pathway**.

Through **analytics and a service center**, it offers **triage** - based on CareLink™ sourced glucose and adherence data - **and exclusive services**, to provide insights to HCPs, allowing them to deliver information and therapy advice to patients, remotely.

INCAP enables clinical teams **to focus on those cases needing additional attention**, intervening between in person visits, scheduling visits when needed, and using a digital, patient-friendly interface.



HOW IS THE CARE PATHWAY IMPACTED: A VISUAL REPRESENTATION



EXPECTED BENEFITS



HOSPITAL ADMINISTRATION HCPs / NURSE

- Efficient use of existing resources, streamline of consultations
- Reduction in the variability of care and improved coordination of care
- Empowers physicians to manage patients remotely through a bespoke communication channel with the patient



PATIENTS

- Access to remote monitoring and its advantages, especially during this pandemic period: continuous care pathway and standardized care
- Empowerment and engagement

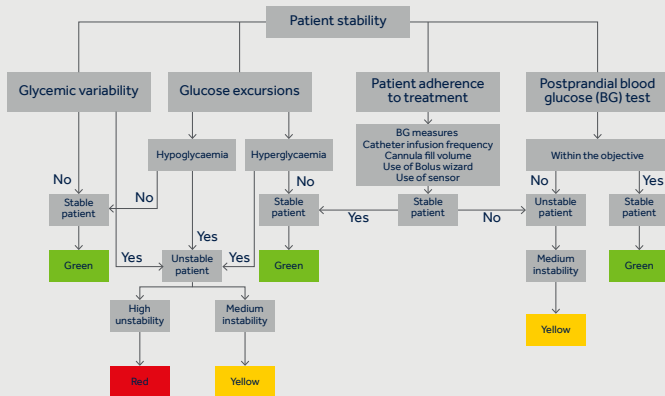
RESULTS FROM PROOF-OF-CONCEPT PILOT**

The implementation of an integrated solution for this patient profile, in a hospital or hospital network, has been shown to optimize the entire care process, making it more efficient, and have a positive impact on patient health outcomes.

In addition, patients increase their knowledge and self-management of the disease as well as empowerment and satisfaction due to the feedback they receive from their physicians after every upload of their insulin pump¹.

METHODS¹

Information collected through the insulin pump software is classified in a color code, by an algorithm, based on a protocol developed in agreement with European clinical guidelines.



RESULTS: DURATION OF THE IN OFFICE CONSULTATIONS¹

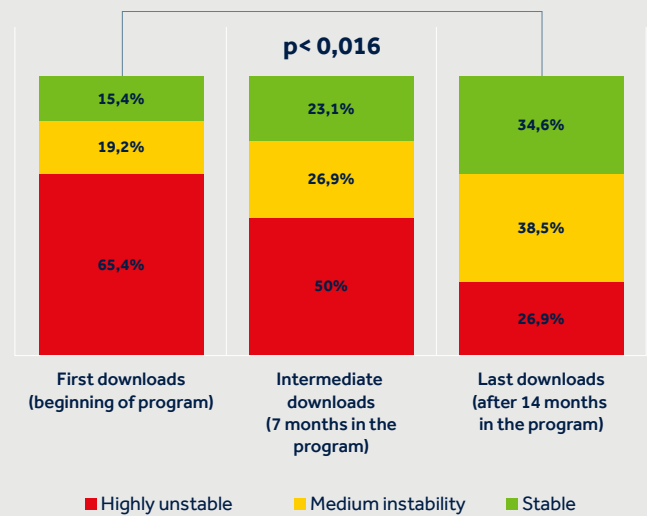
Duration of in person consultations with the doctor decreased substantially:

At the beginning of the project: **60 minutes**;

At the end of the project: **20 minutes**

RESULTS: EVOLUTION OF THE CLASSIFICATION OF UPLOADS¹

The graph shows how at the beginning of the project there was a large majority of red uploads (the patient is not in optimal control) and at the end of the project the number of red is reduced considerably.



HCP FEEDBACK

"Telematic and remote control of type 1 diabetes is a necessity for patients and an obligation for professionals and the healthcare system. The Covid-19 pandemic has accentuated that need by accelerating its development and expansion".

Dr. Purificacion Ros

"The existence of an integrated support program for patients with DM1, through the use of digital technologies, can contribute to optimizing the care burden, without a deterioration or even improvement of metabolic control, while promoting patient empowerment and decreasing the burden of the disease on a daily basis".

Dr. Purificacion Ros

PATIENT FEEDBACK

"INCAP helps me with the alerts in the app to be more constant in my own control and do things that I should but I forget. I also believe that with INCAP the endocrinology service really sees that the poor control of their patients is due to a lack of education in diabetes".

Javier C. (adult patient)

"I wanted to thank you for the INCAP project. It means a great improvement in our daily life and above all, it allows me to be more relaxed and to improve the state of health of my son with his diabetes. Knowing that Medtronic cares about patients and that doctors review the information they receive through the App Caring, gives me a lot of confidence and peace of mind. Thank you for your great work every day and for improving the health of diabetes patients".

Alvaro O. (father of a pediatric patient)

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* The remote follow up frequency is defined by the HCP. It could be every month, every 2 months or every 15 days. The HCP decides which pattern must be programmed for each individual patient.

** Funded by EIT Health (N° 19406) and had a total duration of 18 months (started in January 2019). The duration of the validation phase was 14 months (from April 2019 to June 2020). It was developed in Hospital Universitario Puerta de Hierro, Madrid-Spain, partnering with Medtronic Ibérica, Universitat Politècnica de Madrid, and Technische Universiteit Delft. 66 patients participated, of which 39 were adults and 27 children

1. Nuñez et al. IMPLEMENTATION OF AN INTEGRATED MANAGEMENT PROGRAM FOR TYPE 1 DIABETES ENABLED BY DIGITAL TECHNOLOGIES IN A SPANISH TERTIARY-LEVEL HOSPITAL. ICHOM virtual Congress 16-19 November 2020