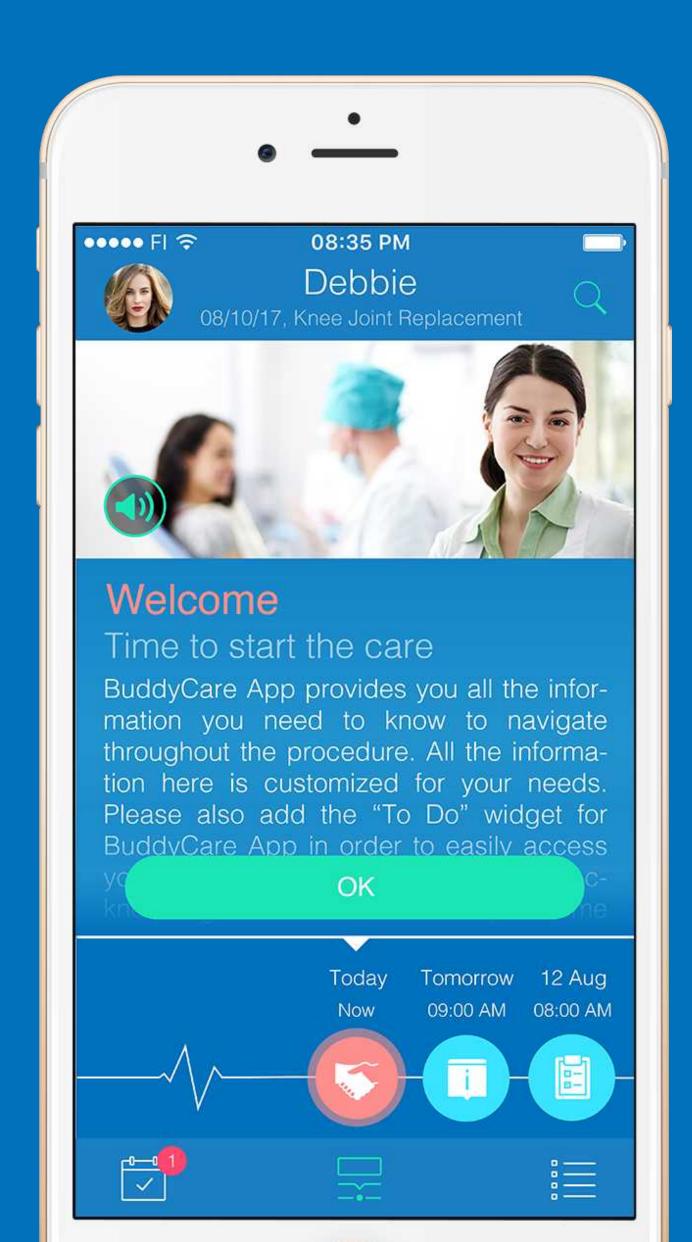


Health Tuesday

Experiences from OYS TestLab

Jussi Määttä 2019-10-01



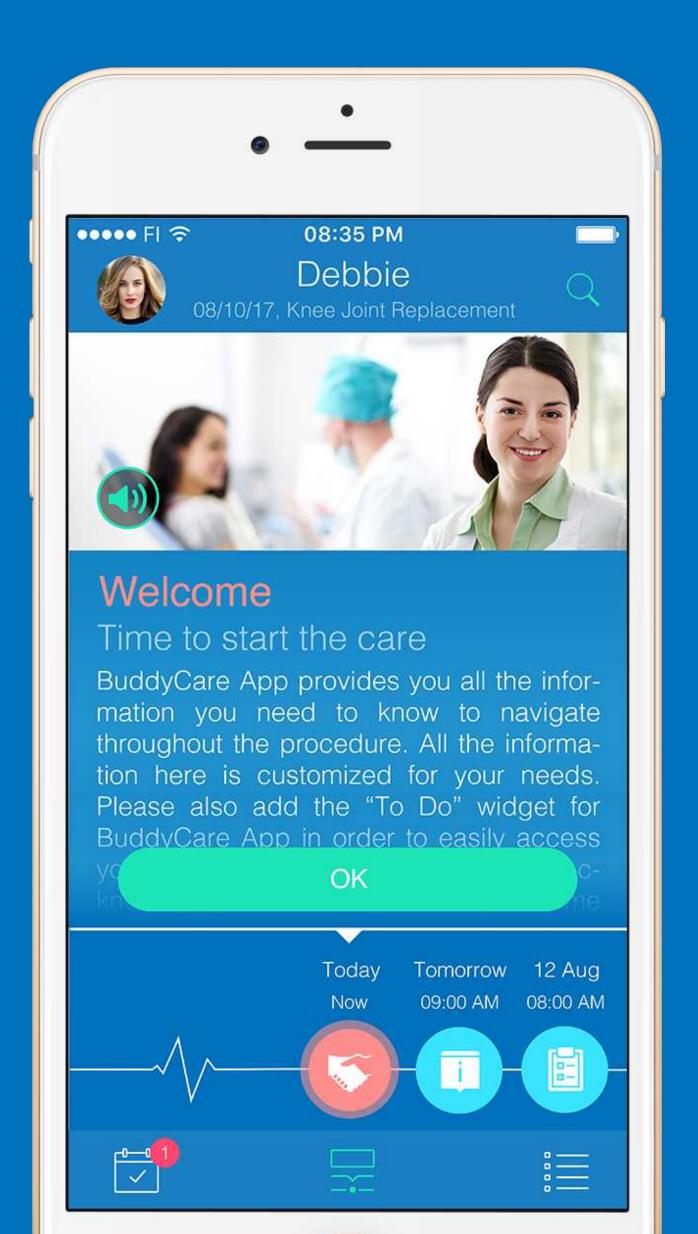
Our Mission

We make care accessible, accionable, and measurable.





Company History with OYS TestLab



Customers' Challenges - H2/2015



Patients

Paper care makes patients feel

- Stress What can I do to ensure best possible care outcome?
- Uncertainty What should I do next?
- Lack of care How can I stay in touch with hospital?





Doctors and Nurses

Manual care coordination causes

- Cancellations and no-shows -Even 17% of operations are cancelled last-minute, each one costs up to 2.500 €.
- Admin work Over 60 minutes per patient spent with administrative paper work and phone calls.
- Unnecessary follow-ups How to identify the patients at risk?

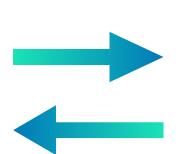




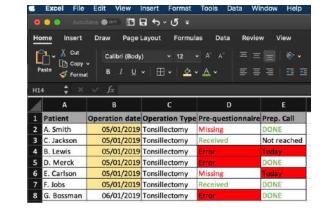


Hospital Management

Undocumented care can't be measured and improved.



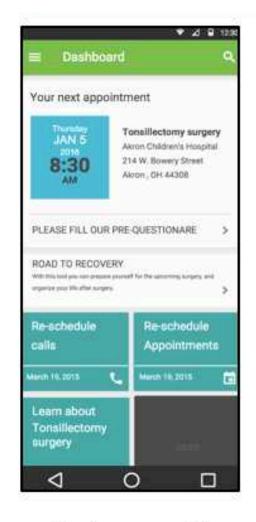
- Care effectiveness How to measure effectiveness of the care (PROMs)?
- Service quality How to measure quality of the service (PREMs)?
- Operative Cost How to reduce the cost of the care?





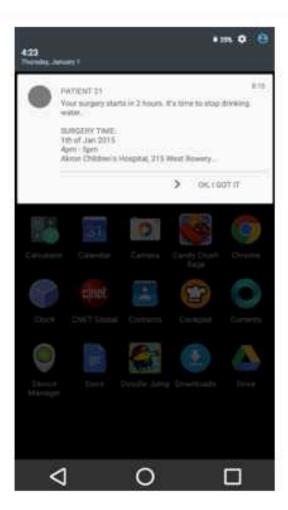
December 2015

Idea of a mobile app for the families of pediatric surgery patients.



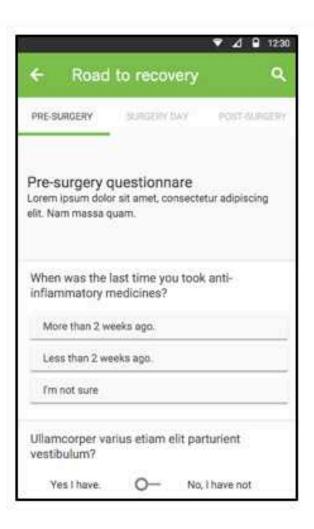
Sovelluksesta löytyvät muun muassa:

- Varatut aiat
- Esitietolomakkeet
- Kuvaus leikkausprosessista
- "Chat box"
- Ajanvarauspalvelut



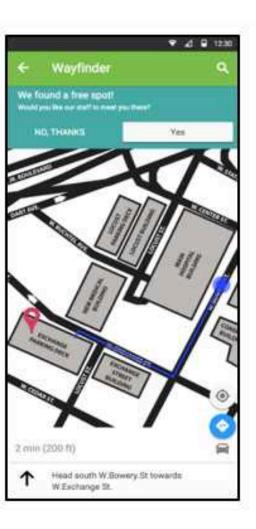
Tärkeät ilmoitukset, kuten:

- Muistaa ottaa oikean määrän lääkettä oikeaan aikaan
- Muistaa olla syömättä ennen leikkausta



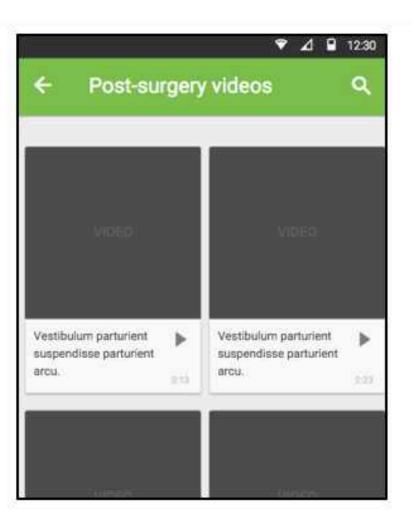
Lomakkeiden sähköinen täyttö ja toimitus

- Kipupäiväkirja
- Esitietolomakkeet
- Palautekysely



Navigointiohjeet

- Sairaala
- Parkkipaikka
- Oikea osasto



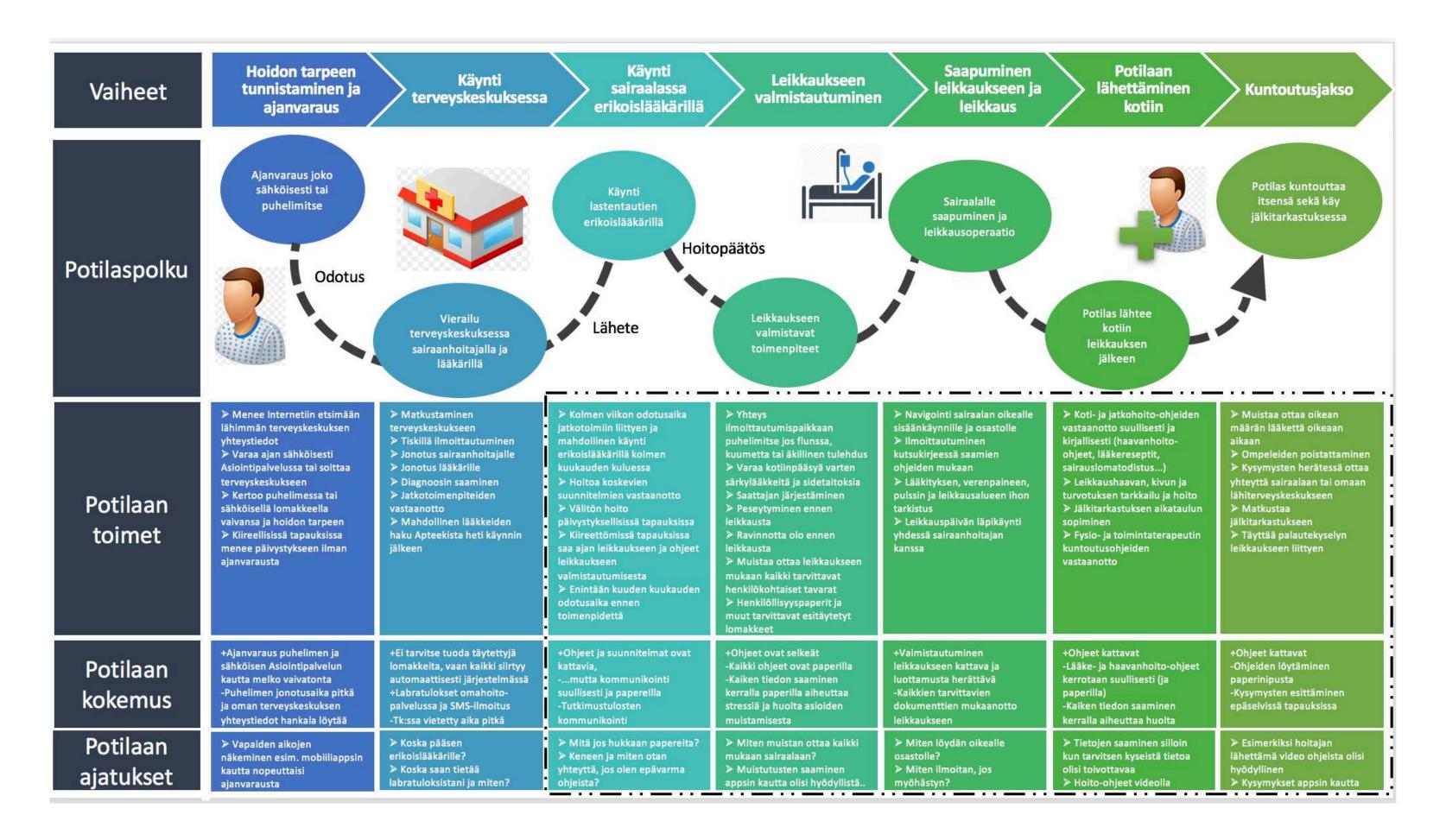
Video- ja tekstiohjeet

- Kuntoutusvideoita
- Sairaalan terveiset
- Kirjalliset ohjeet oikeaan aikaan

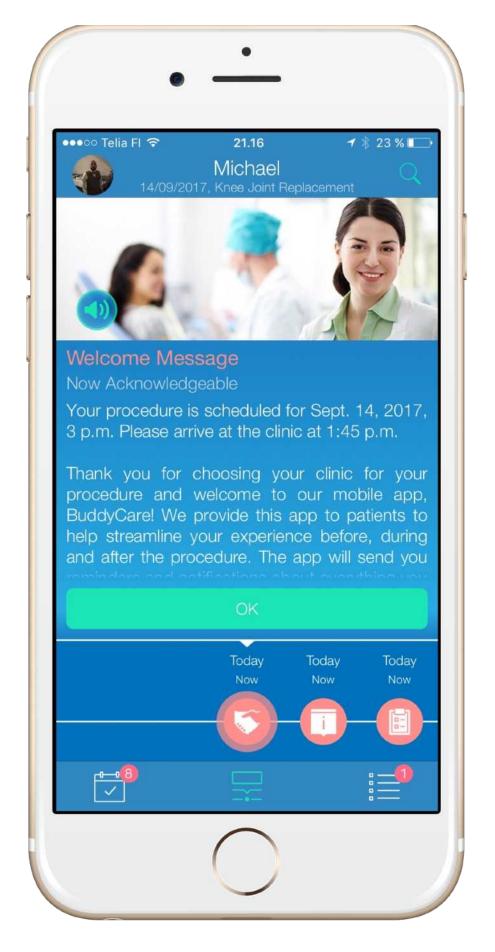


February 2015

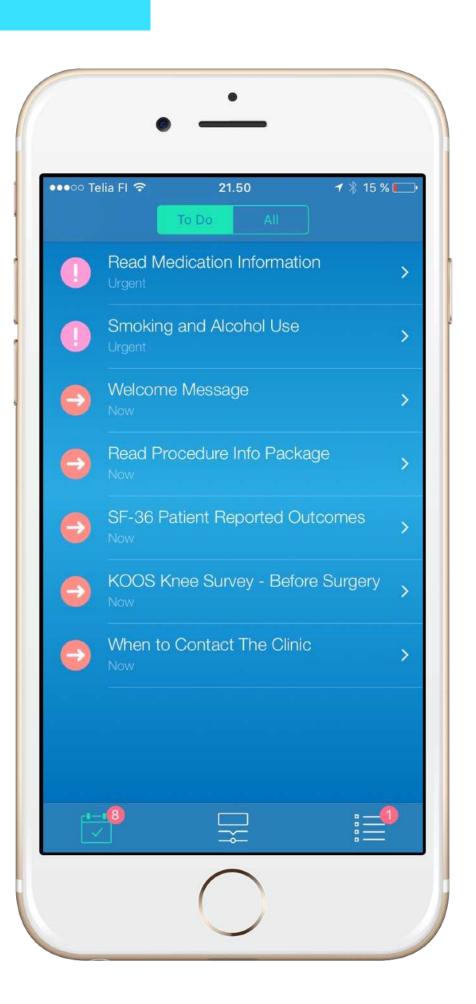
Patient flow analysis.



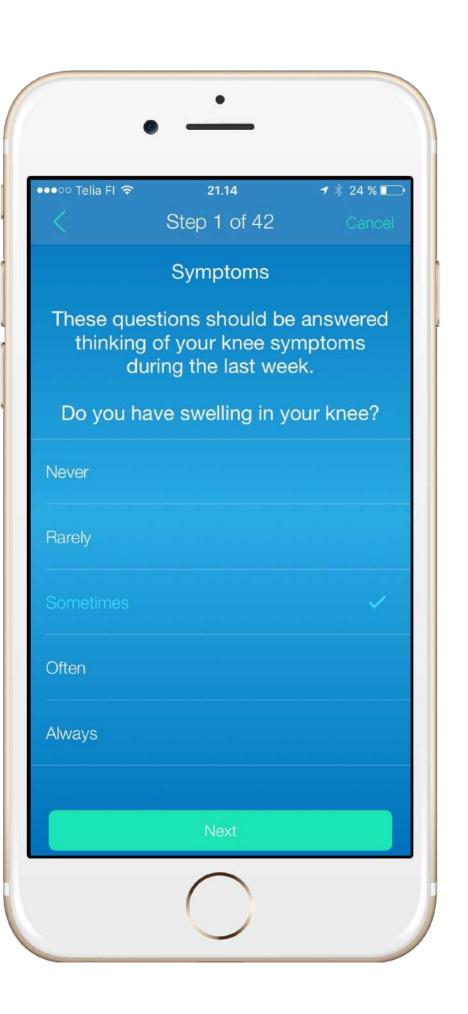
September 2016



Timely reminders



To-dos



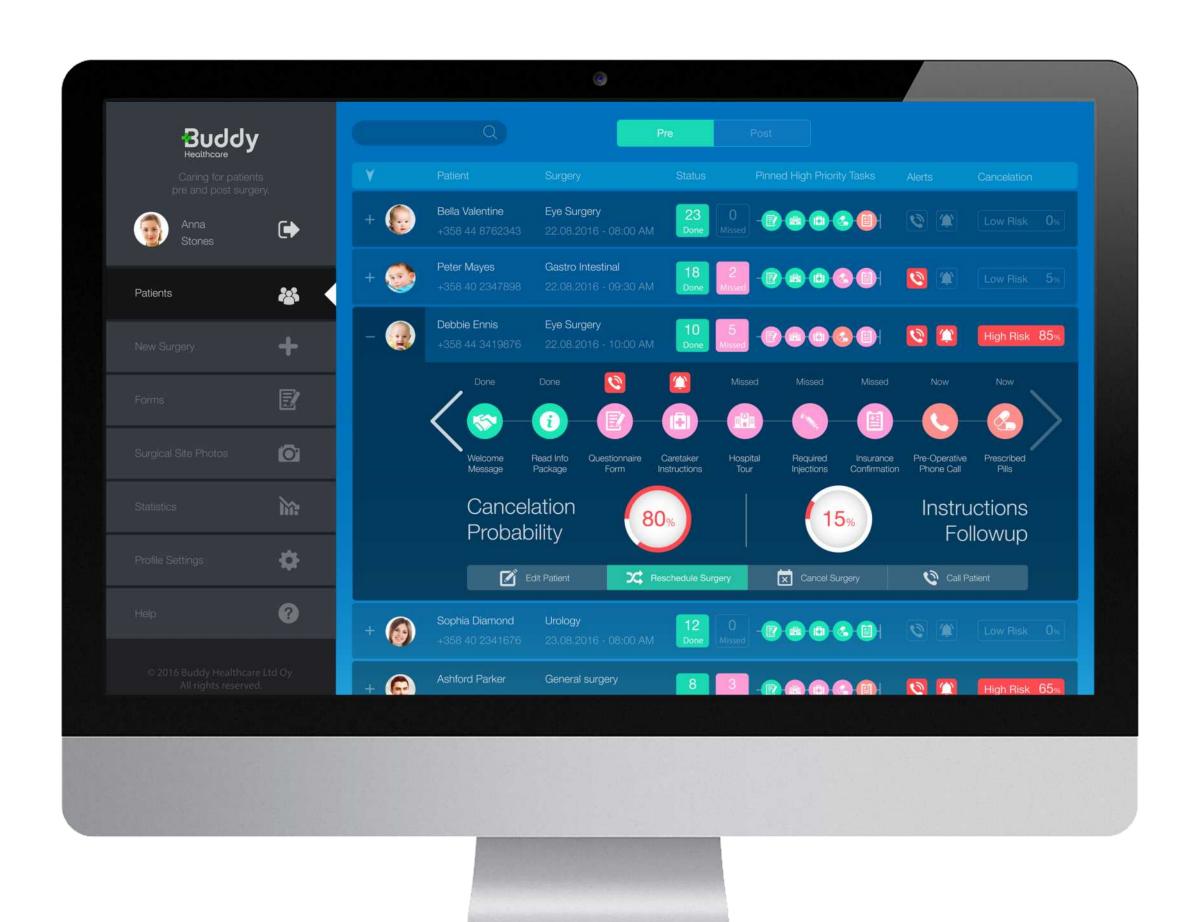
Pre-questionnairesand PROMs



Recovery Follow-up



September 2016



Reduces

- Cancellations
- Admin work

Improves

- Quality of care
- Patient experience

October-December 2016

Real-life pilot with 10 patient cases

- Patients' "mental" preparation time from 1 day to 2 weeks.
- One potential cancellation identified.
- Good feedback.
- App users didn't have a need to contact hospital at all.

January 2017

TestLab's press release was covered by several medias.

- Apu
- Mediuutiset
- Terveys ja talous
- Tekniikan maailma
- Kaleva
- Oululehti
- Forum24
- Pohjanpiiri



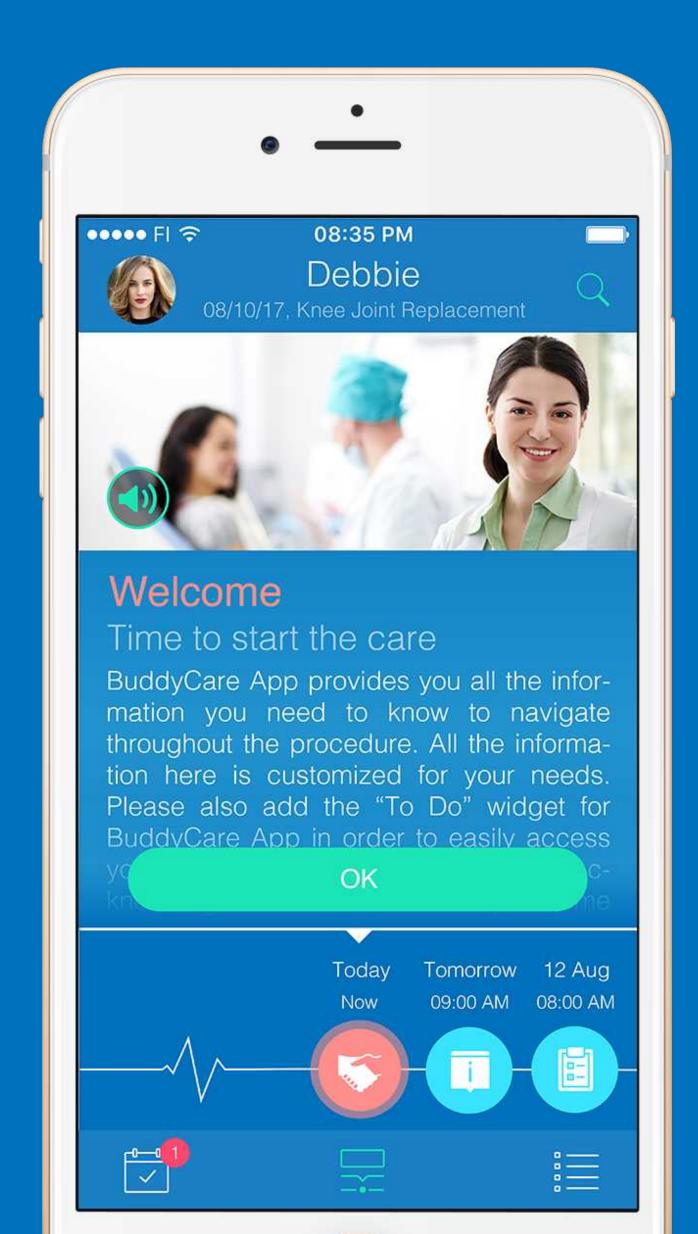




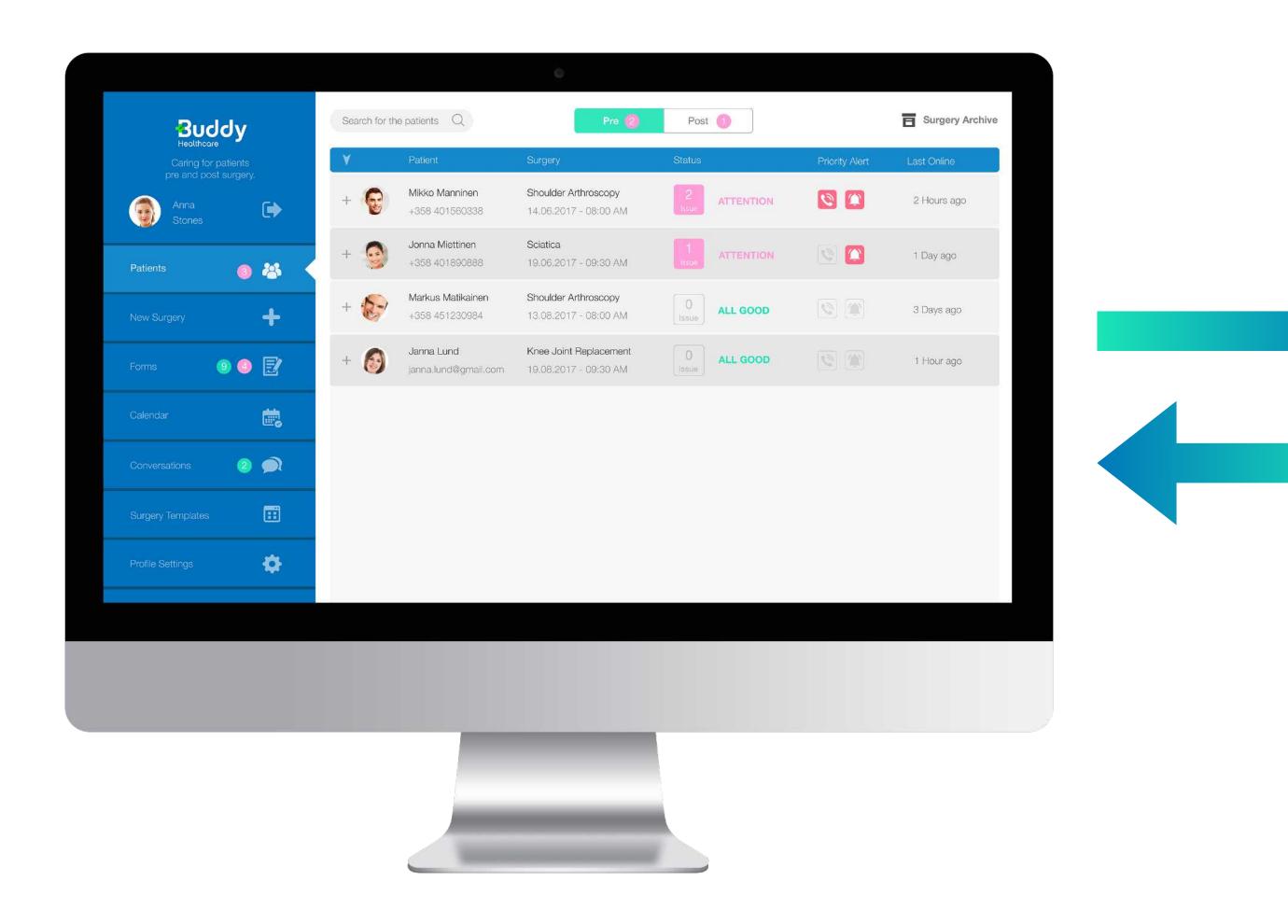
Mobiilisovellus pikkupotilaan tukena



Situation in October 2019



Solution: Mobile Care Coordination Platform

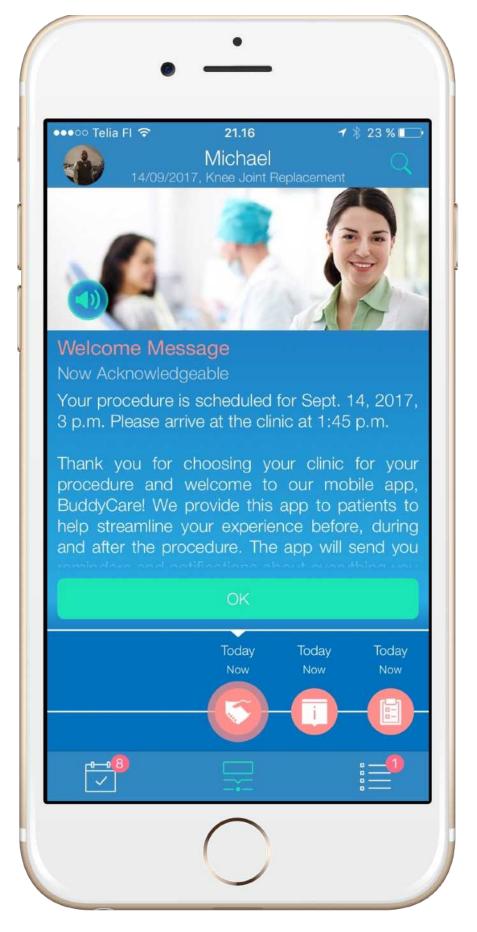




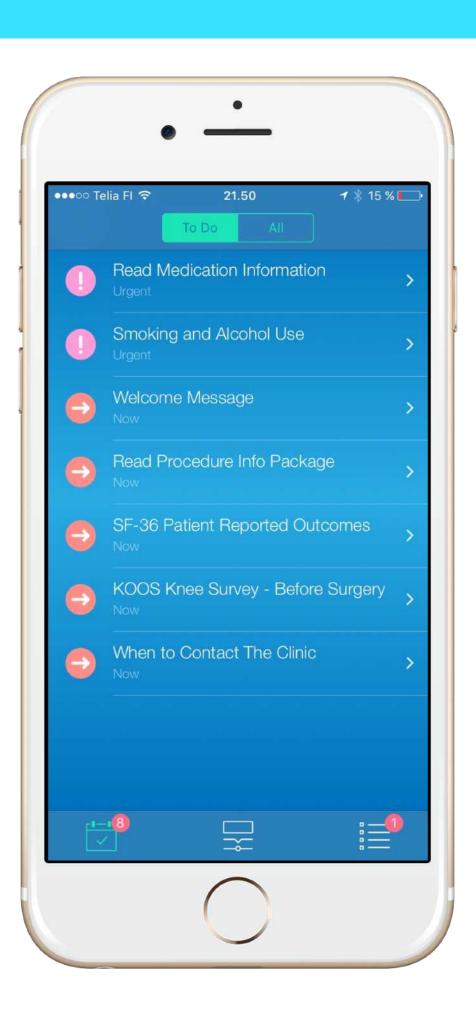
For Hospitals

For Patients

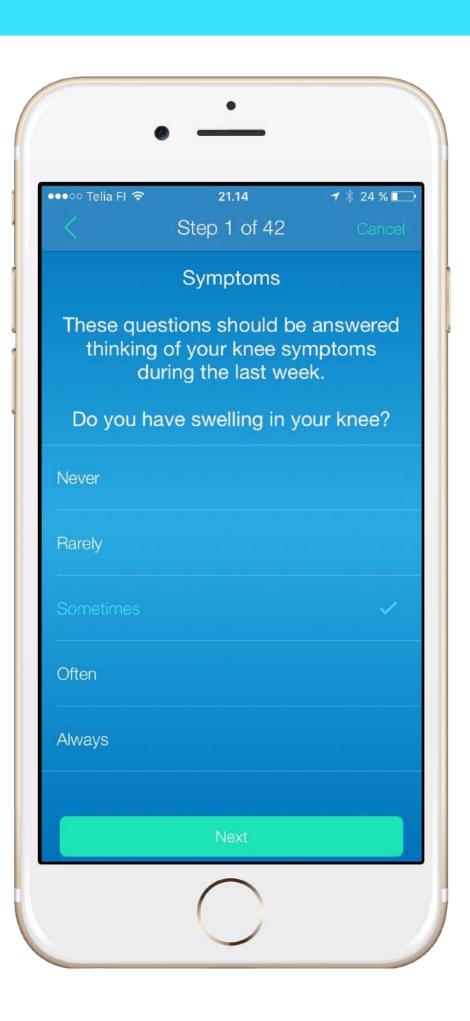
Personalized Care Instructions for Patients







To-dos



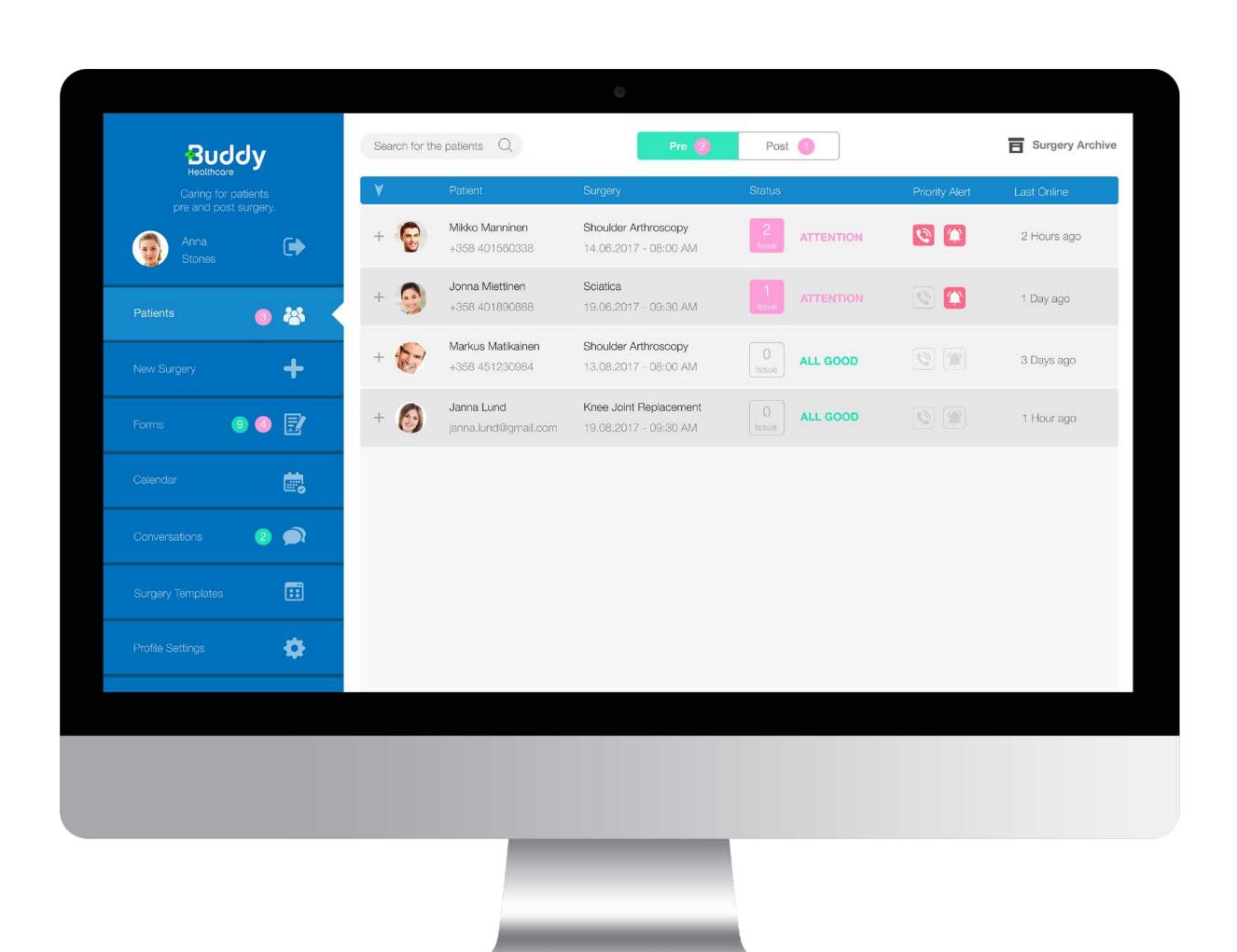
Pre-questionnairesand PROMs



Recovery Follow-up

Through interactive dashboard, healthcare professionals can:

- See the patient progress on the pathway.
- Identify the deviations on the care pathway and send reminders and alerts to patients.
- Easily communicate with the patients through secure chat.
- Manage and edit patient specific care pathway.



Currently Covering the Following Specialties

Over 50 different pathways (indications) implemented in:

- Orthopedics: Joint replacements
- Plastic surgery
- Pediatric surgery
- Bariatric surgery
- Cardiology; Catheterization, EP, MRI
- ENT operations

- Obesity surgery
- ERAS (Enhanced Recovery After Surgery)
- Musculature therapy
- Pain therapy
- Psychiatry

Easy to scale to cover all the specialties in operative and conservative care.

Customers and Partners

University Hospitals













Regional Hospitals

















Privates & Others



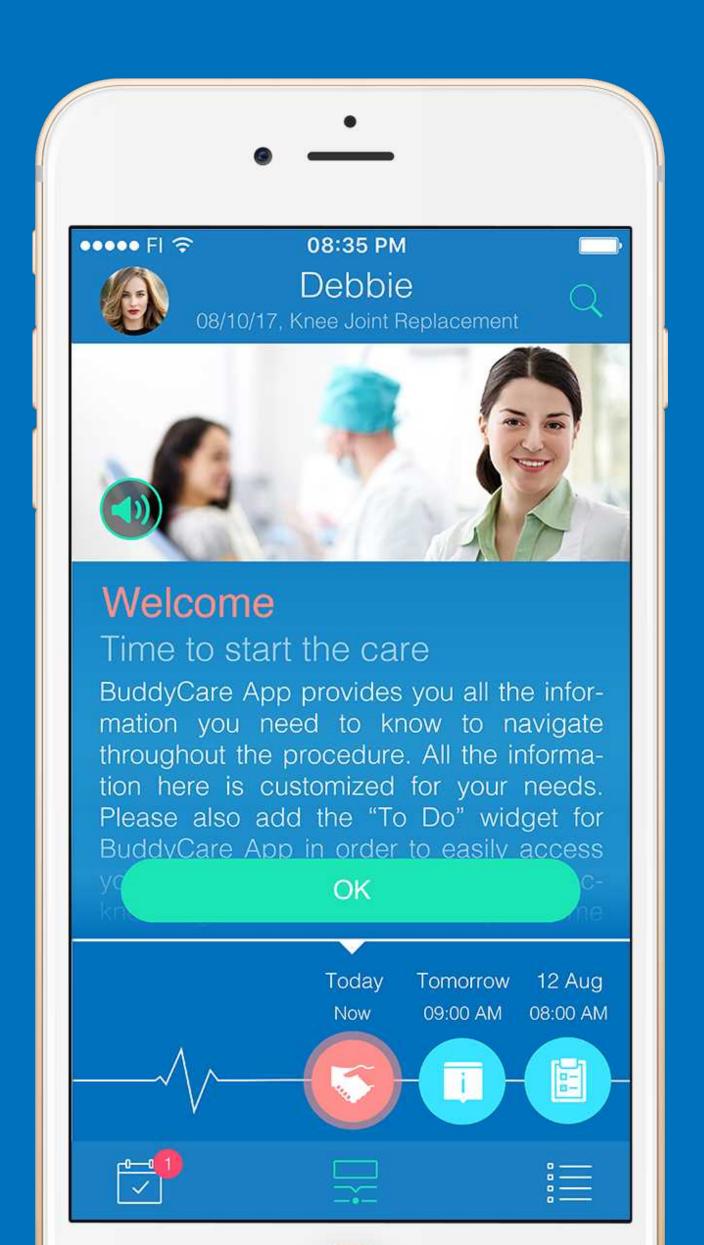




- 4/5 of Finnish university hospital as customers.
- 2 Licensing agreements.
- Customers in Finland, Germany and USA.



Experiences



Discussion

- Real good attitude among OYS personnel.
- Results were important to gather investors.
- The first test application that was brought to the patients caused delays. -> Time is money for a startup.
- OYS Children's clinic is our customer nowadays, but:
 - Took one year to negotiate a commercial contract after the pilot phase.
 - Other stakeholders / customers / partners / investors expect that a co-development partner buys the product.
 - "Innovatiivinen hankinta" couldn't been applied as product was already "piloted" and available in the market.
 - Some people were afraid that TestLab will become a sales channel.





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