

# Efficient and Faster Care Challenge



Team: **KomandaDva**



**HACK  
KOSICE**  
30-31 March 2019

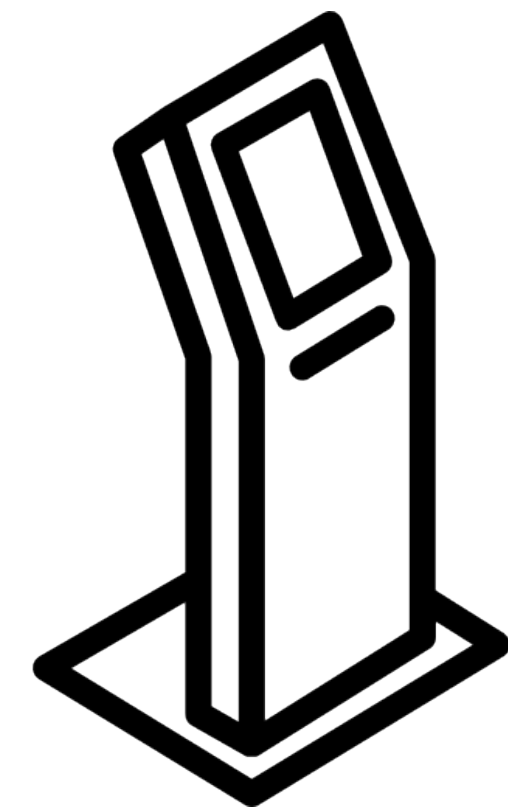
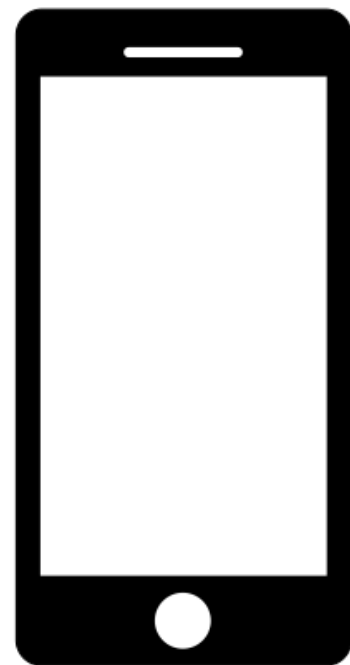
# The aim

- Build a solution for better healthcare aimed at efficiency and time waste elimination
- To be efficient means to provide care in time and to provide it properly.
- Customers: patients, doctors, nurses moving along ambulances, outpatient clinics, hospitals and pharmacies.

# What we did

Doctor's record system that uses QR codes, scanners, kiosks and personal mobile phones.

That all works together **to save your time.**



# For patients

- Help to know the approximate **diagnosis** by **symptoms**
- Suggest **suitable** doctors
- Take a place in the **queue**
- Remind you that your turn is coming soon by **SMS**
- You can work either from a personal **mobile phone** or from a **hospital kiosk**

# For doctors

- Put **in order** queues of patients
- Provide current patient **symptoms**
- Show the whole **history of diseases** on one web page

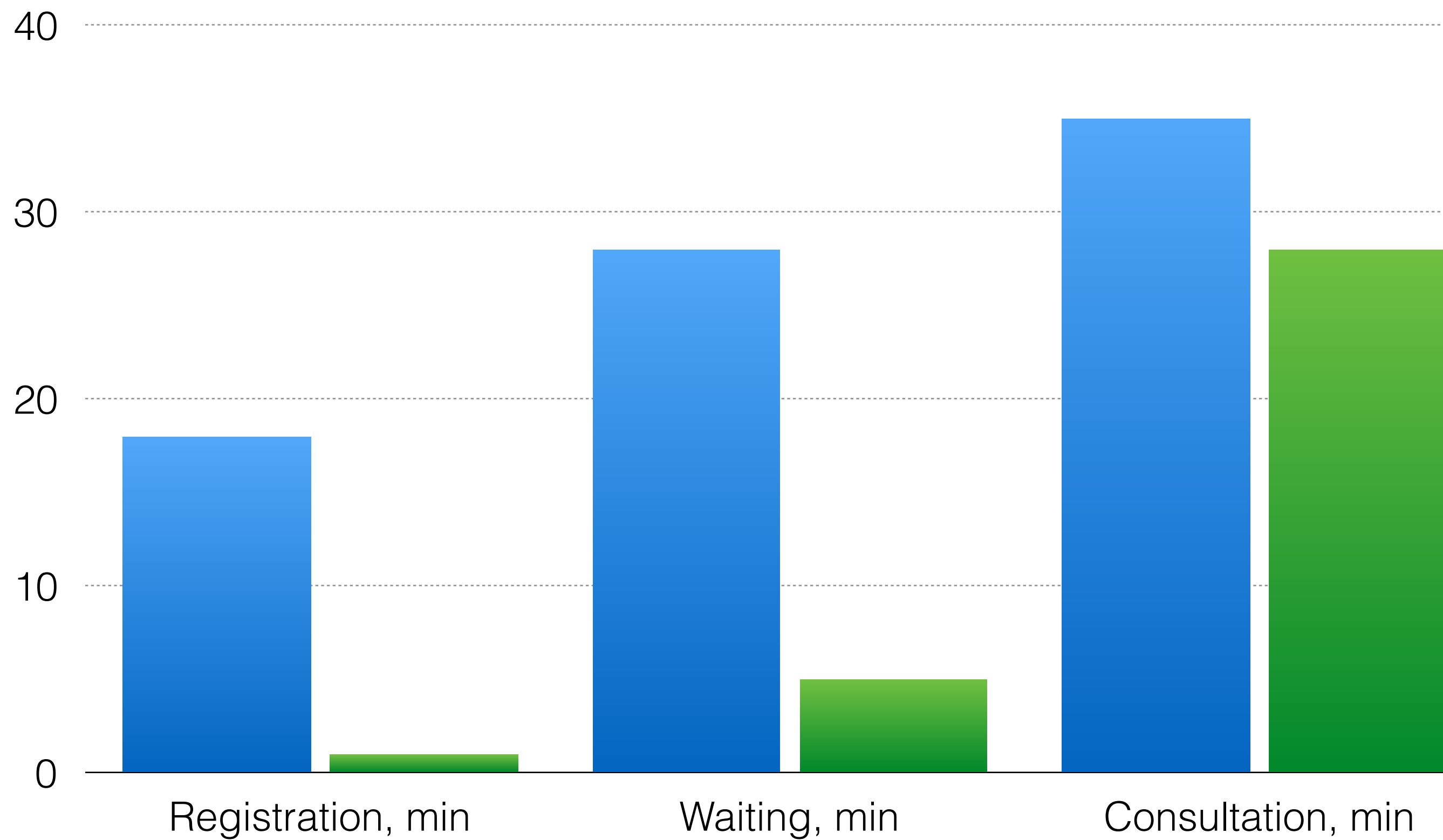
# For clinics

- Store **all information** about all patients in one place
- **Save** employee **costs**
- Get **satisfied** customers 😎

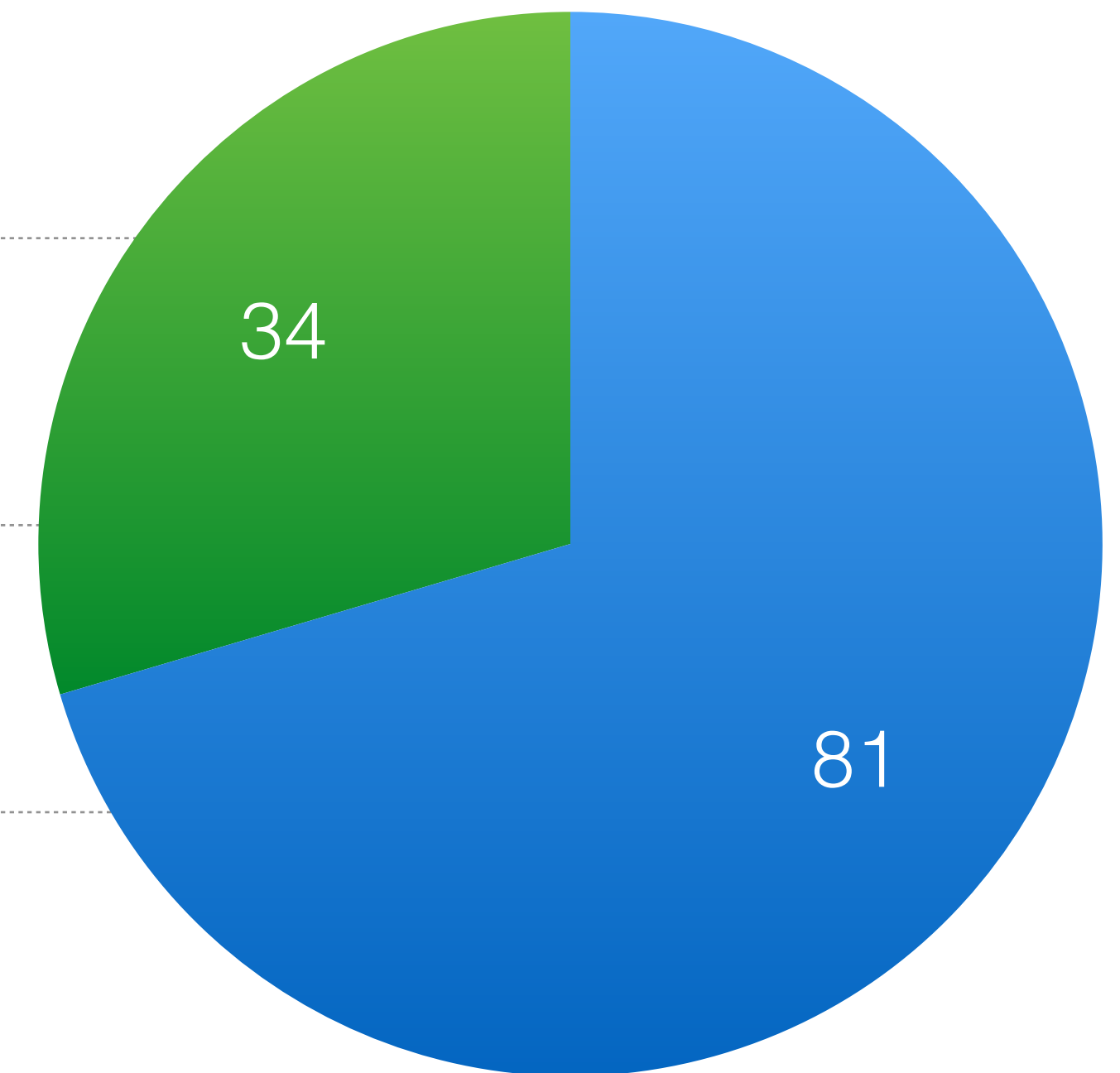
# Compare

Average

Proposed System



Total Time, min



according to a research paper An assessment of patient waiting and consultation time in a primary healthcare clinic (2017, Ahmad et al.)



# Technologies



Symptom Checker API





# Next Steps

- Kiosk with **built-in**: (1) scanner and (2) wristband printer
- Wristband with **RFID**, **NFC** and **QR code** (3)





# Team



**Alexander**



**Anton**



**Andrey**



**Ivan**

# Conclusion

- Time Waste elimination
- The system saves a lot of time spent on registering a patient
- Project: <https://github.com/akarazeev/HackKosice>