

FHIR Standardization

& centralizing information extracted from medical forms completed in clinics/hospitals



SUMMARY

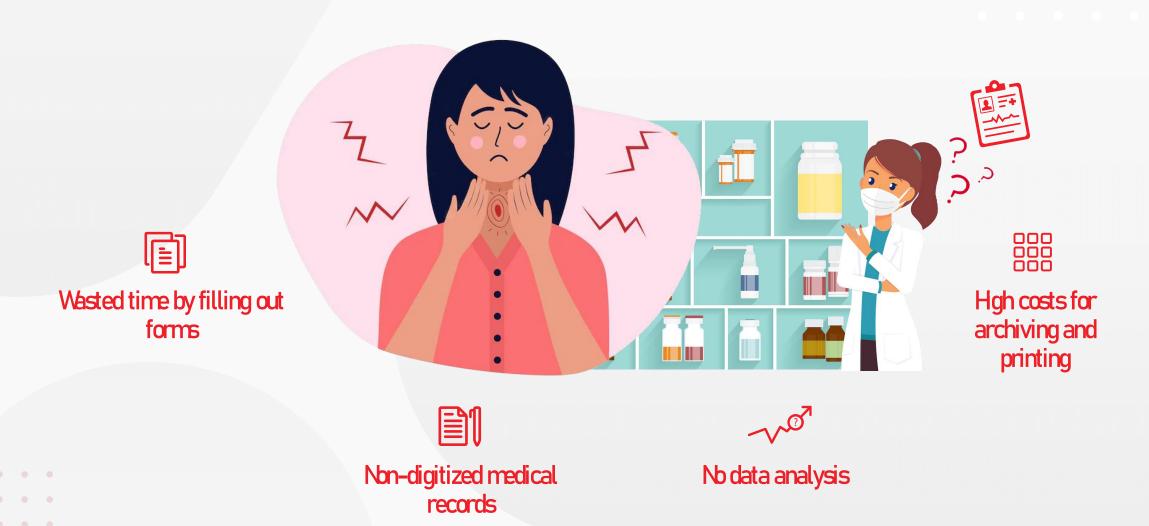
1 NECESSITY
Why do we need the MedisFHIR application?

2 BENEFITS of MedisFHIR
What advantages does the MedisFHIR
application bring?

3 CONCLUSIONS
Digitalization of the medical system.

NECESSITY

The need is to have structured data. But why?



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2 BENEFITS OF MEDIS



Centralized information



Data analysis



Diagnosis & prevention



Quick and easy filling



Cost reduction



Eco-friendly



HHR Standard



Acces data anywhere, anytime



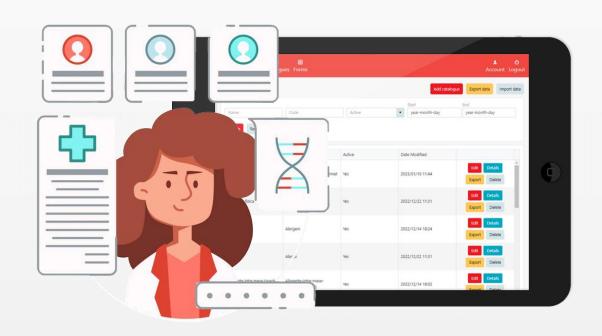
User-friendly



CENTRALIZED INFORMATION



Actual forms



VS

Centralized forms

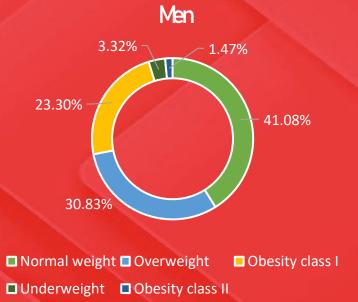


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DATA ANALYSIS





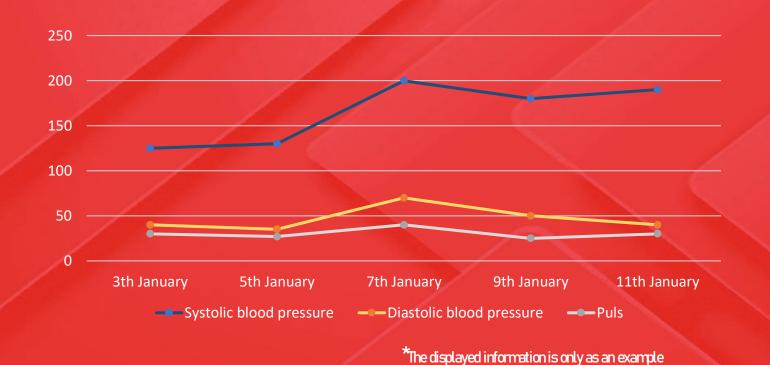


*The displayed information is only as an example



DATA ANALYSIS

Systolic & diastolic blood pressure and Pulse



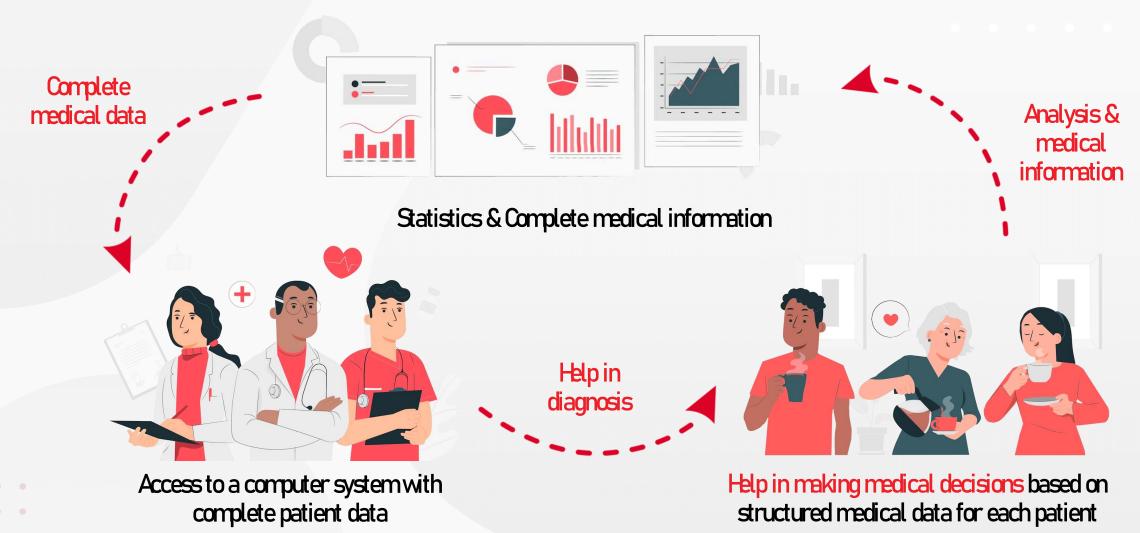
First trimester 1 – 2023 (medium values)

- Systolic blood pressure- 170
- Diastolic blood pressure- 80
- Pulse 68



DIAGNOSIS AND PREVENTION

BASED ON STATISTICS





Medis FHR offers the possibility for the patient to fill the necessary forms from home, and, for the forms that require the doctor's presence, the patient will be able to fill them in directly from the clinic.



+15 min average time/consultation

15 min average time/consultation



In the USA, hospitals consume 1.2 billion papers per day, so just the archiving costs for them reach values between \$24–36 million.



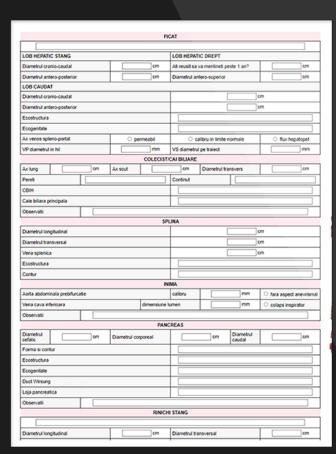
With MedisFHR application all of these costs are eliminated.



ECO-FRIENDLY

WITH THE ENVIRONMENT

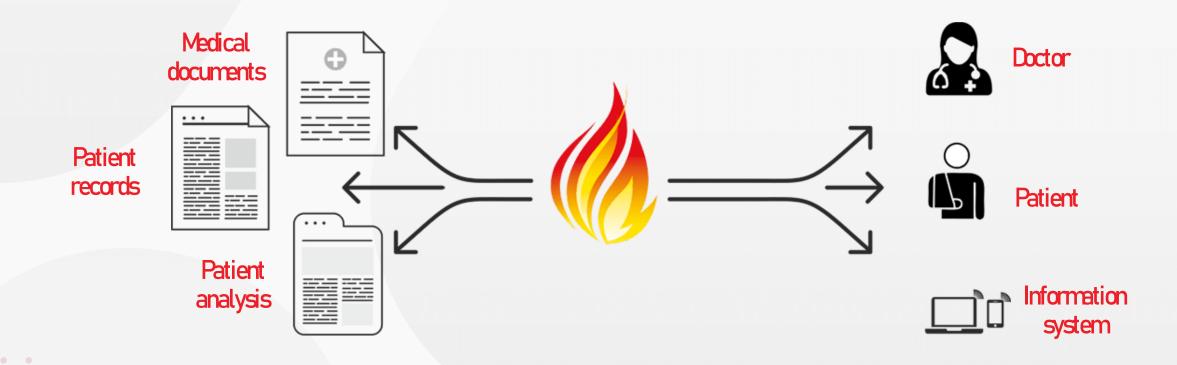
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Diametrul antero-posterior					
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A patient receives at least one paper document after a consultation, but a medical report cand span to 10 paper documents.

Saving medical forms electronically could significantly reduce paper consumption and help protect the environment.

H.7 FHR provides access to the patient's complete medical history and medical researchers can provide effective treatments through this standard.









Medis FHR is user-friendly and can be integrated with any medical application. The forms are in HTML format and their fields are mapped to catalogues previously created by the application administrator.



CLIENT

- Kendo react (framework Telerik)



- Entity FrameworkCore



DATABASE

- SQL Server



SECURITY

Stateless session with JSON web token (JWT)



ARCHITECTURE

- On prem
- Azure Cloud



- Medis FHR provides a solid foundation for digitizing the medical history of patients around the world
- Medis FHR can help in getting diagnosis and preventing other diseases
- Medis FHR can help in finding a more effective therapeutic treatment based on the statistics made in clinics, according to the results of the treatment schemes administrated to the patients.
- Medis FHR reduces the costs of medical institutions, reduces the time spent by patients/doctors filling in forms and has a positive impact on the environment.



& extracting data from medical forms







