

For my mother's soul and all diabetes patients  
1957 -2020

# Diabetes Tracker into a Prototype App

Hamza Salem, FHIR Diabetes App



HL7 FHIR DevDays 2020, Virtual Edition US, June 15–18, 2020 | @HL7 @FirelyTeam | #fhirdevdays | [www.devdays.com/us](http://www.devdays.com/us)

# Problem

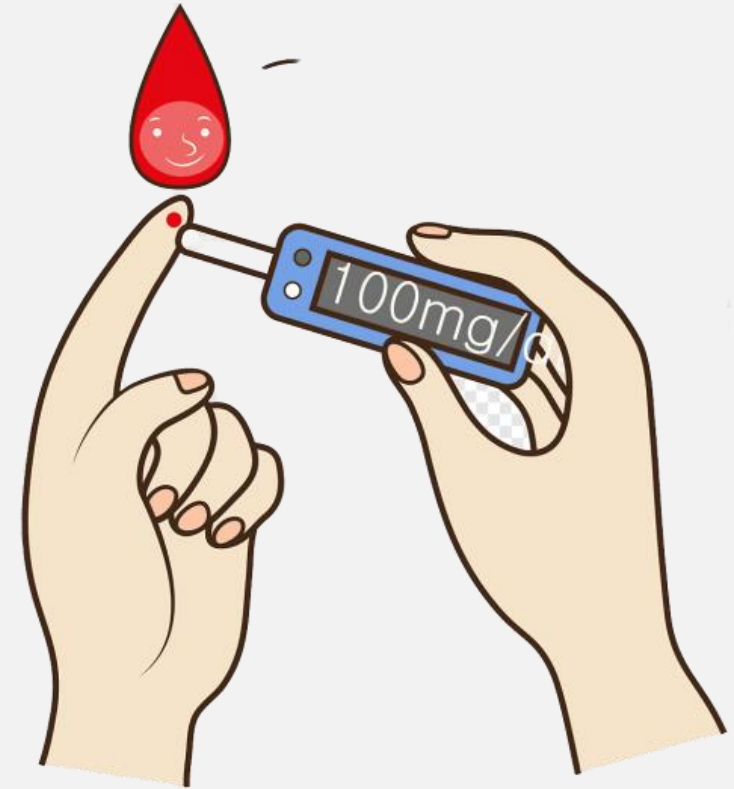
- Diabetes Patients Tracking Methods:
  1. Papers logbook
  2. E-logBook : Mobile & Web Apps



**No BackUp**

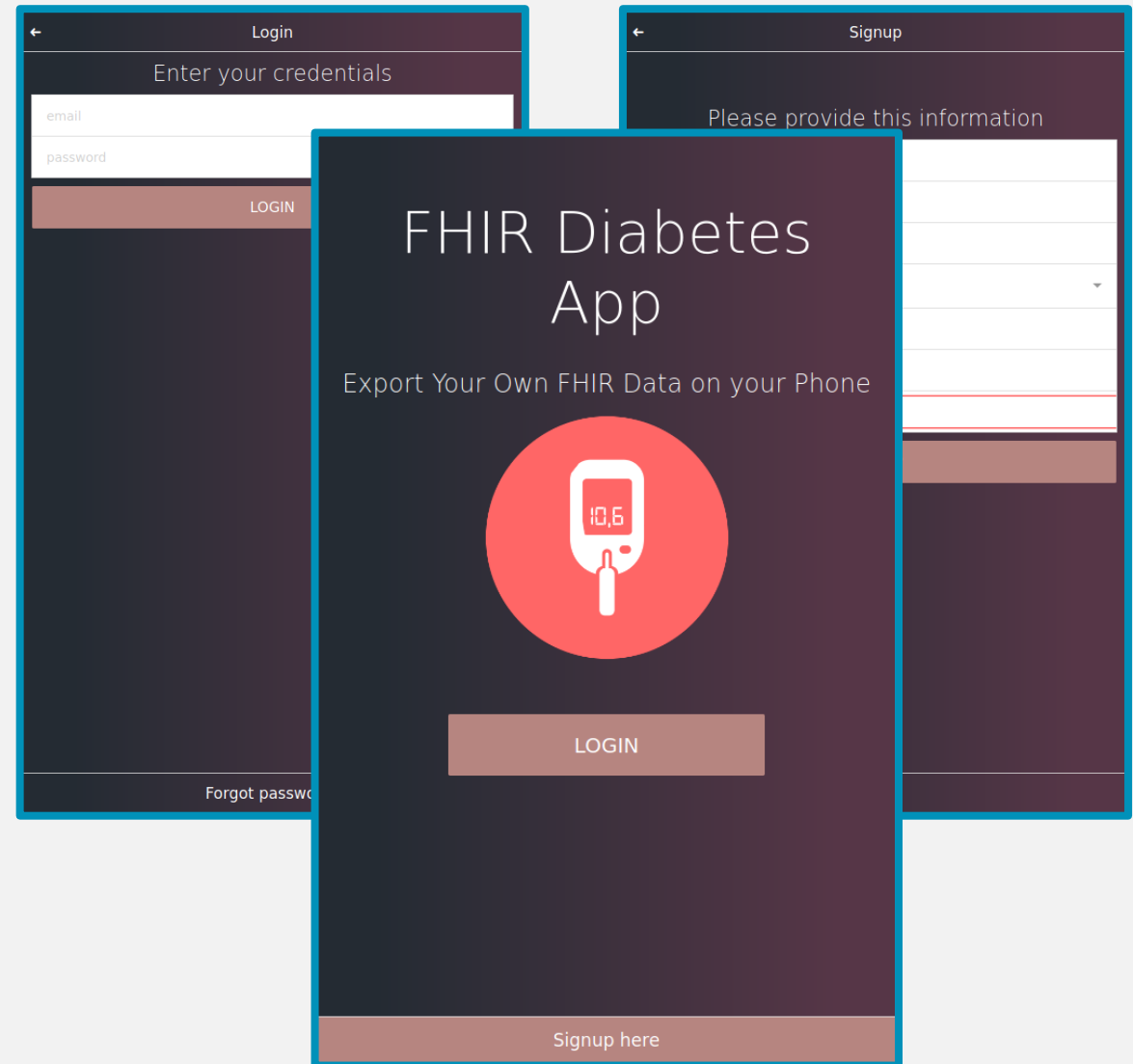


**No Integration**



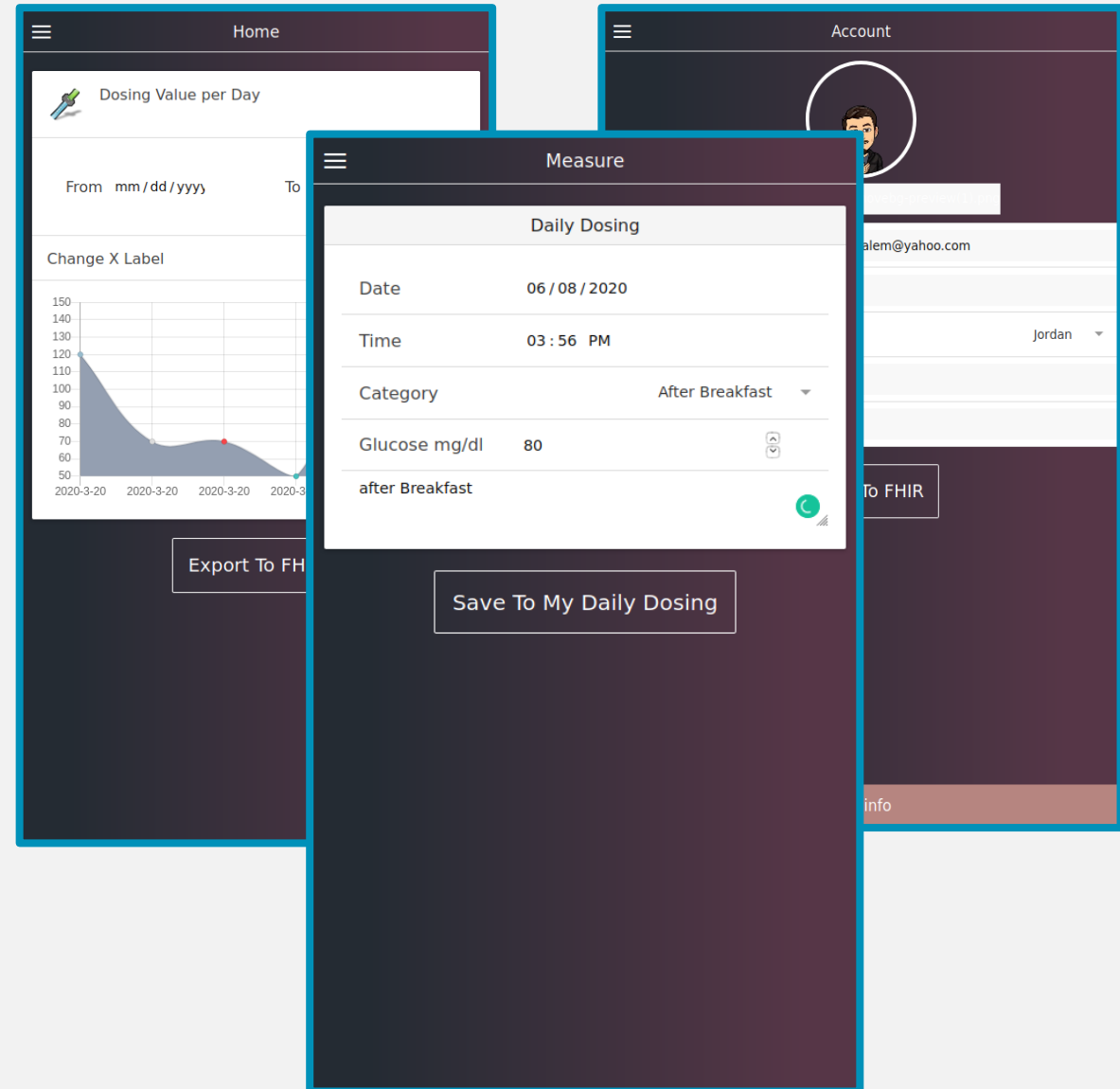
# FHIR Diabetes App

- Mobile app (Android, IOS)
- Tracking Glucose dosing
- For Patients (Type1, Type2).



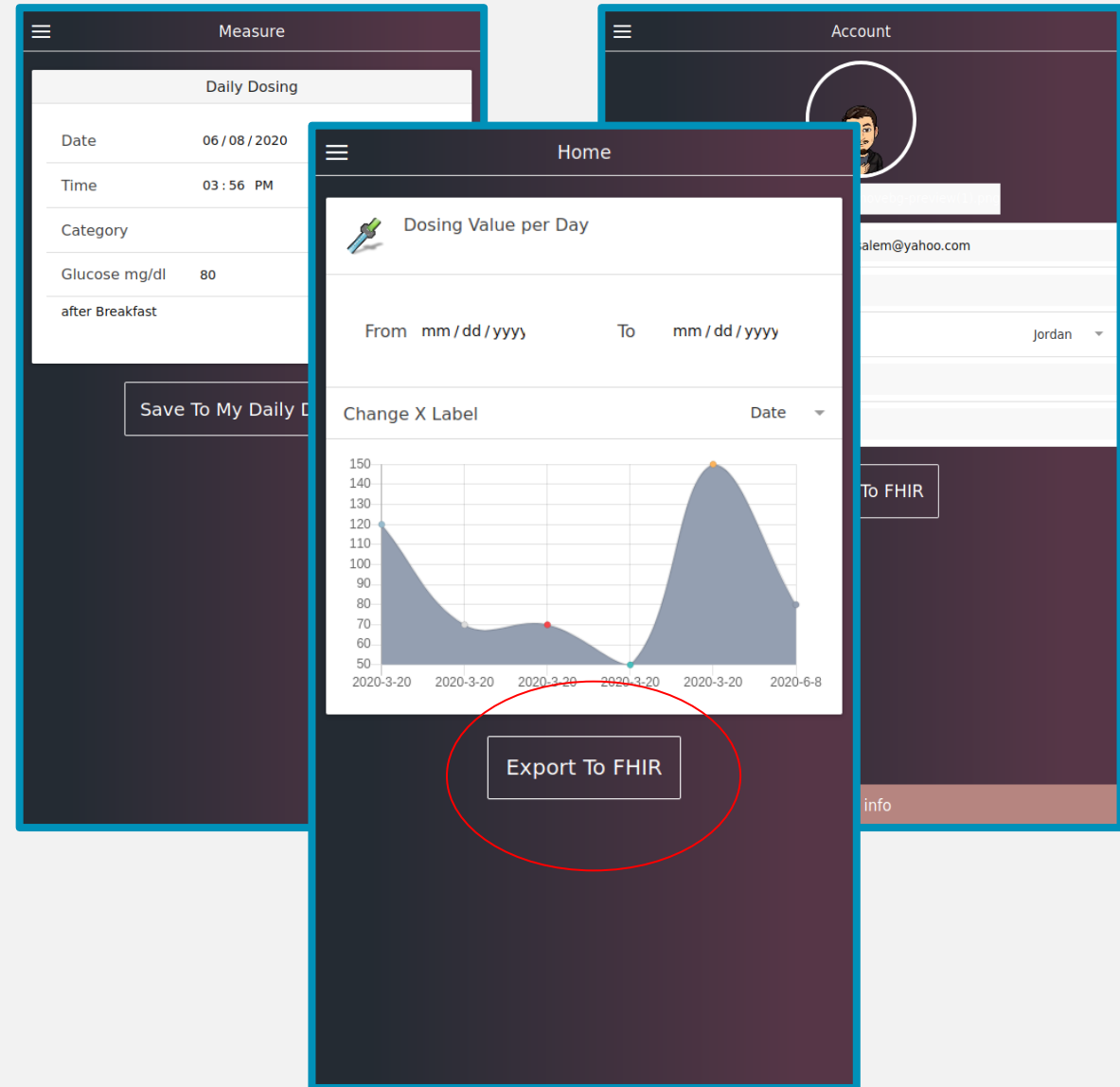
# FHIR Diabetes App

- Like any tracking app, providing a regular way to track the information for the patient such as (Profile, daily dosing).



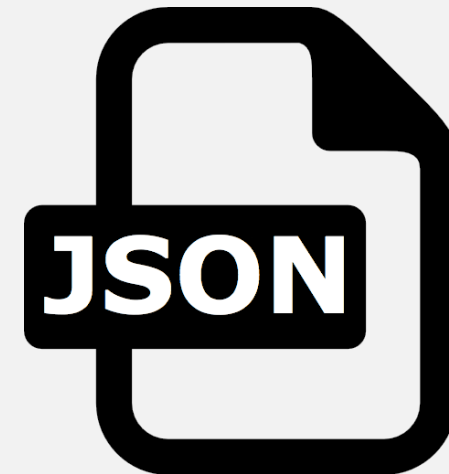
# FHIR Diabetes App

- Simple view with graphs can be customized
- Filter Information by (Time, Date-Range, Categories).



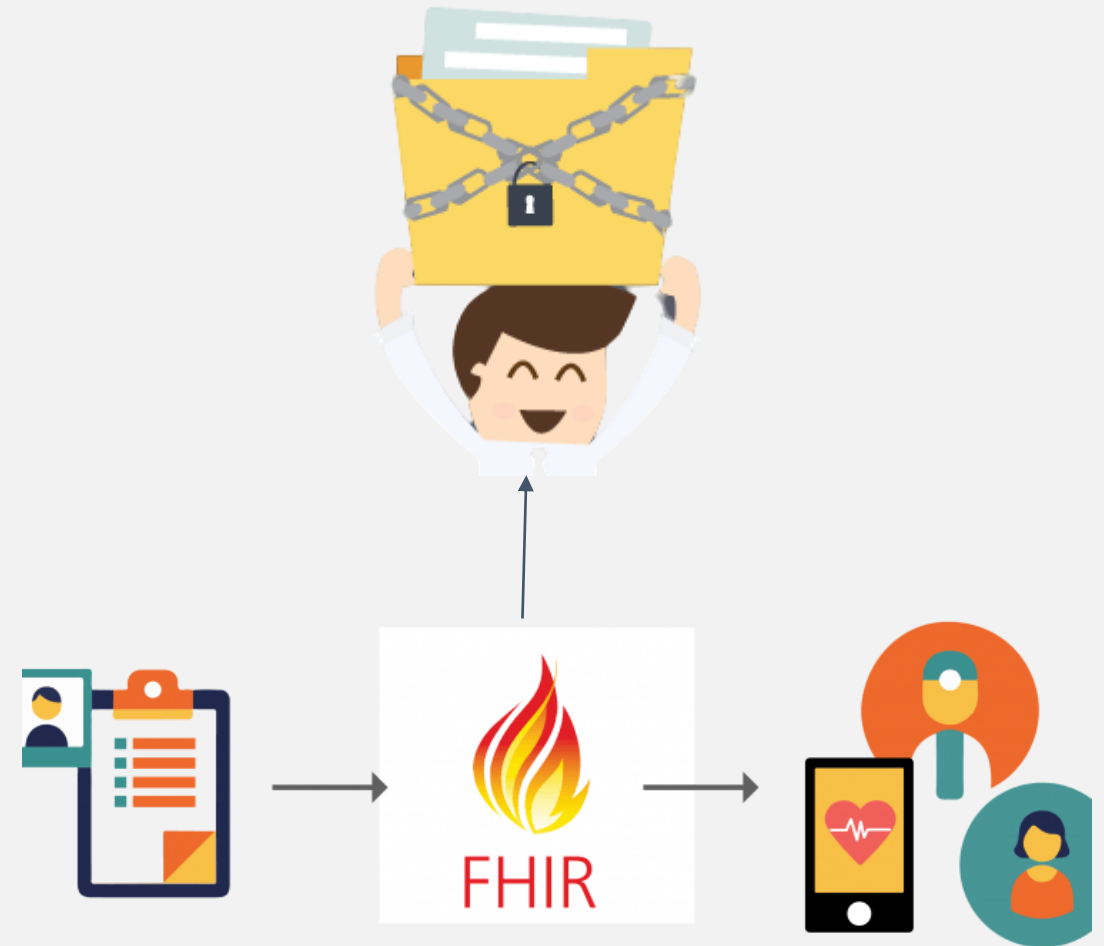
## FHIR as a standard

- The main idea is making it flexible to be migrated to any FHIR based system
- Patient information can be exported as a JSON file based on FHIR resources standard.



# Data Ownership as FHIR format

- Patient will have the authority to use this data.
- Easy to integrate with Medical institutions that working with FHIR.





## My Motivation as a Person

- My mother (God bless her) passed away this Jan and she had diabetes and as a family, we have tracked her dosing every day and I know how critical for people who had diabetes patients in their houses .



# My Motivation as a Developer

- I am working with Healthcare company as Senior full-time developer on FHIR based systems.
- FHIR based apps to replace the current apps in the market.
- FHIR will reduce the amount of effort for the patient to retrieve their own information.





**“US health plans adopt the HL7 FHIR standard to provide secure exchange and access of electronic health information for authorized users and eliminate interference in the exchange and use of this information”**

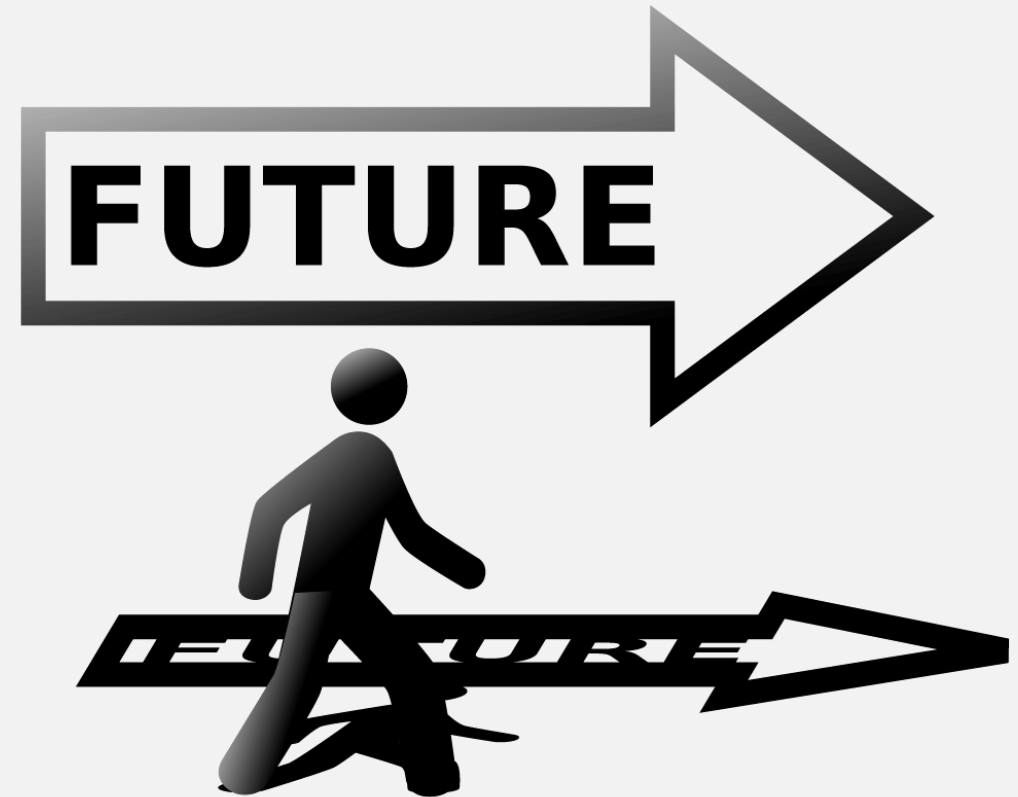
## Potential Market / Use Case

- Immigrants
  - Refugees
- “ **Coming from countries** they don't have any central systems for **patient profiling** so these kinds of apps will help the **insurance companies** to have the patient history using FHIR”



## Future Work

- Currently, am working with one of my friend's brother who had Diabetes Type 1 and we are trying to improve the app more and more.
- I want to invest more time to this project and i need help from other developers and from patients.



ORGANIZED BY



PARTNER



HOST SPONSOR



Civilization Started From FIRE



Healthcare Started From FHIR

