





# **MyGNUHealth** The GNUHealth PHR formobile devices and KDE desktops

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### **Agenda**

- About GNU Health
  - Health informatics & Social Medicine
  - History of the project & community
- The GH ecosystem components
  - The GNU Health Federation and its components
- MyGNUHealth
  - The GH Personal Health Record
- MyGNUHealth technical infrastructure
  - Framework and integration w/ GH Federation
- Q&A
  - Questions and answers



#### About me

Luis Falcón

President, GNU Solidario
Author of GNU Health
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#### **Education**

- Computer Scientist
- Physician
- Genomics & Medical Genetics

#### **Activism**

- Social Medicine
- Animal Rights
- Libre Software



# **History of GNUHealth and Community**





#### GNU Solidario

- Is the NGO behind GNUHealth
- Non-for-profit organization
- Works globally
- Focused on Social Medicine

#### Official GNU Project

- GNUHealth is an official GNU project
- Hosted at GNU Savannah by the FSF
- Many mirrors around the World
- International community



#### **GNUHealth around the world**



Oct 15 - 17th 2020







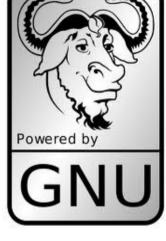
### Official GNU Package

Official GNU project

**Open Documentation** 

Relies on free technology

Friendly community

























# **GNUHealth ecosystem components**







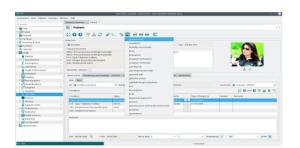




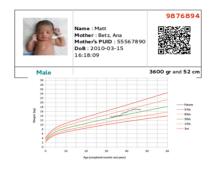




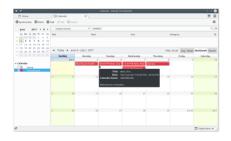
#### **GNUHealth HMIS component**

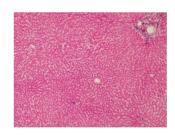


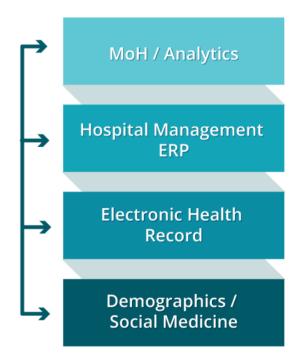
















### **MyGNUHealth: The Libre Personal Health Record**



Empowering the person to be an active member in the System of Health



### **MyGNUHealth: Technology**









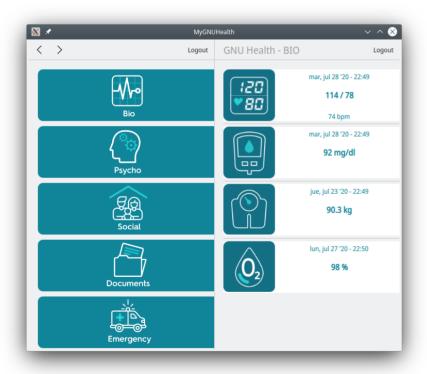


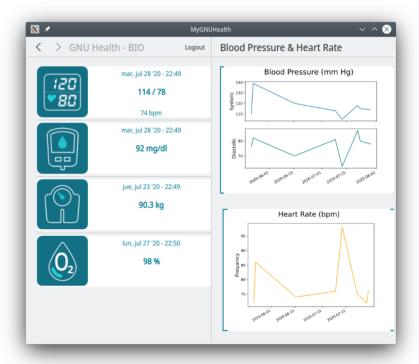






## **MyGNUHealth running on KDE Desktop**







### MyGNUHealth running on the PinePhone



#### Current development environment:

Hardware: PinePhone ("Braveheart")

OS: KDE Neon (https://neon.kde.org/)

**KDE** Plasma mobile

Qt5

Kirigami (set of QtQuick components)





#### **GH Federation components and MyGNUHealth**



Nodes

Message Server

**Information System** 



#### MyGNUHealth nodes in the GH Federation



#### Highlights

Every person is a node

Realtime update with her health professional

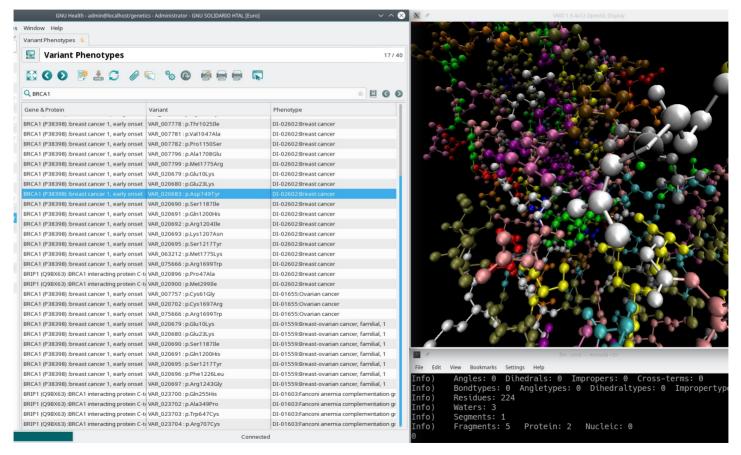
Person is in control of what to share

Decrease the burden in the public health system

The person is now an active member in the public health system



#### **GNUHealth in Medical Genetics and Cancer Research**





## Real-time observatory and reporting





### **MyGNUHealth**

#### Misc

Development hosted at GNU.org

Mercurial (hg)

Savannah for tracking

Release 0.9 Beta in December 2020

Development docs at Wikibooks

GPL v3+

Questions: info@gnuhealth.org

#### **TODO**

Packaging

i18n

Testing

Security / Block device encryption / others

Connectivity with Open Hardware devices

Documentation



#### **GNU Health Federation Community Hub**



Community public server in Munich Demo and test environment Main Federation components:

- \* HMIS node and PgSQL
- \* Thalamus message server
- \* Person / Patient Master Index HIS
- \* openSUSE Leap OS

The GNU Health Federation Community Hub allows developers, health practioners and research institutions from all over the world to learn, test and develop their nodes & integrate them in the Federated network.





info@gnuhealth.org





# Thank You



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