

Are you developing  
the future of welfare?

# Benefit from the Kela Personal Health Record Platform

The Personal Health Record Platform is part of Kanta services, which were voted the second most highly appreciated and recommendable Finnish network brand in a 2016 survey.

**2<sup>nd</sup>**  
**place**

A background image showing a doctor in a white coat and teal scrubs, with a stethoscope around their neck, typing on a laptop. The image is overlaid with a semi-transparent white hexagonal pattern.

# Changing the operating model for health and welfare services

# PHR ecosystem

**Empowers  
citizens to be  
more involved**

**Supports  
self-care of  
chronic  
diseases**

**Promotes  
self-care and  
responsibility**

**Promotes  
preventive  
self-care**

The background of the slide is a blurred photograph of a person's hand holding a white, handheld medical device, possibly a pulse oximeter or a similar sensor. The device has a white plastic frame and a black sensor tip. The background is out of focus, showing skin tones and some indistinct shapes.

**Self-care solutions  
are already under development.  
Join the movement!**

**Develop  
services**

to collect, store  
and analyse  
data

**Use  
health data**

entered by  
professionals  
and by citizens

The background features a light gray pattern of hexagons. In the upper right corner, there is a cluster of 3D cubes in light blue and white, some of which are slightly offset to create a sense of depth.

**PHR will be ready for  
operation and for  
integration into your solution  
in autumn 2017**



# Chosen technologies

**HL7 FHIR**

**OAuth 2.0**



**HL7<sup>®</sup> FHIR<sup>®</sup>**

**The most  
promising modern  
e-health  
interoperability  
framework**

**Developer  
friendly**

**Plenty of open  
source libraries  
and tools available  
on the market**

**Mobile  
first**

# OAuth 2.0



**Authorization  
framework used  
by many online  
companies,  
including  
Google and  
Facebook**

**The OAuth  
profile for PHR is  
based on work  
done by SMART  
on FHIR and  
Argonaut  
projects**

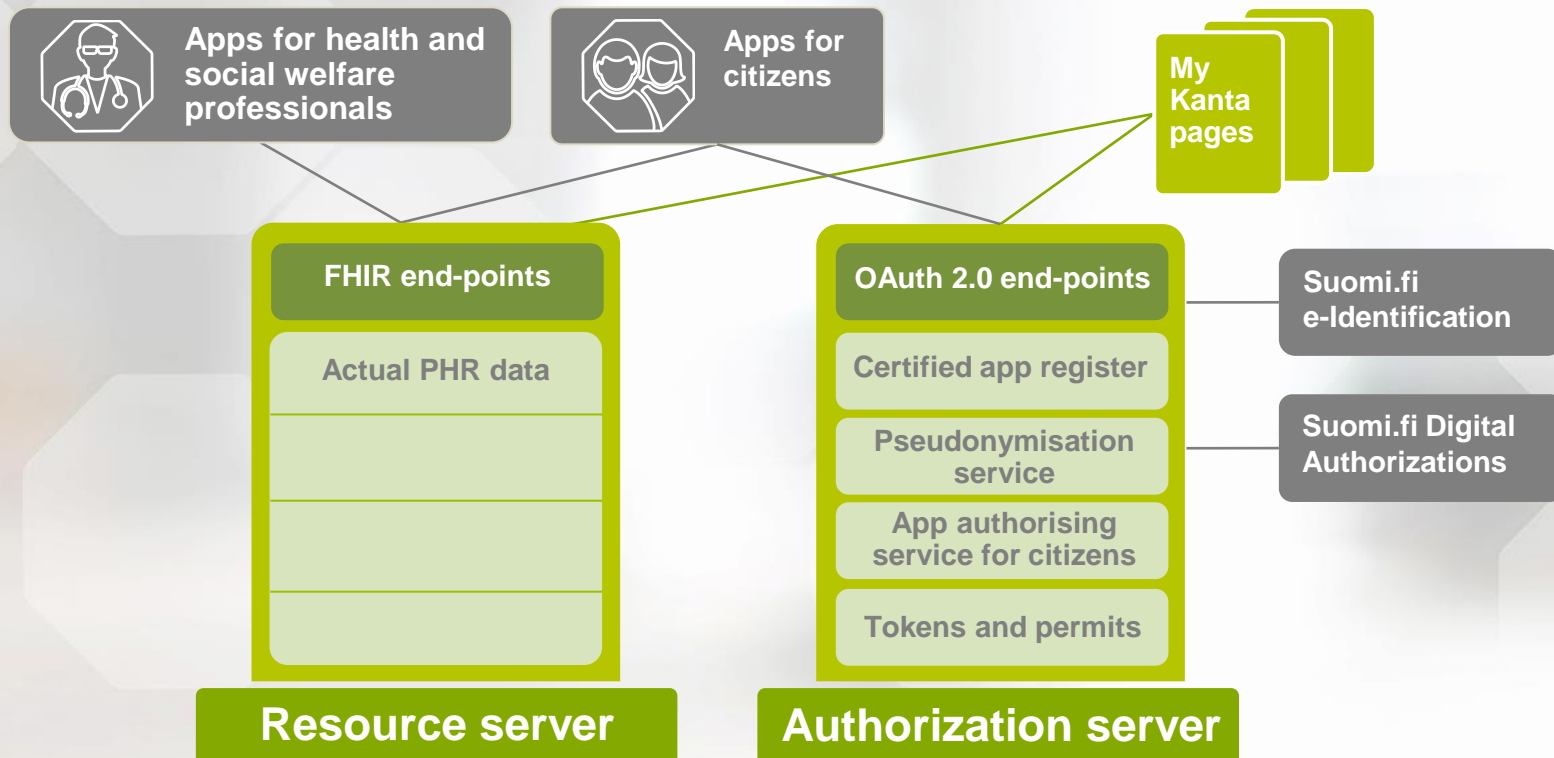
# FHIR profiles are taking shape

- The elements of the national data model are available at <http://simplifier.net/FinnishPHR>
- Prepared in partnership with the ODA project and HL7 Finland Personal Health SIG

# Designed for extension

- Feel free to extend the data model to build and test your app
- Ask for details of the extension process

# Principal elements of PHR



# Architecture and specs are under construction

- Consent mechanisms allowing professionals to access data
- Authorization and data security solutions
- Data models and FHIR implementation guides
- A set of certification criteria for apps is in preparation
- Upcoming legislation will enable apps to access official healthcare data

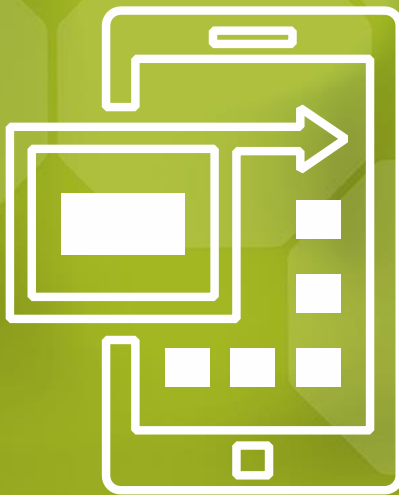
# The PHR Sandboxes are open, with apps already under construction.



Some of them are great! Could the next be yours?  
See more at [www.kanta.fi/phr-developers](http://www.kanta.fi/phr-developers)



# Design your app and hook it up to the sandbox!



Browse the data model,  
suggest an extension or  
leave a comment.

