

# Finnish Implementation Guide for SMART App Launch

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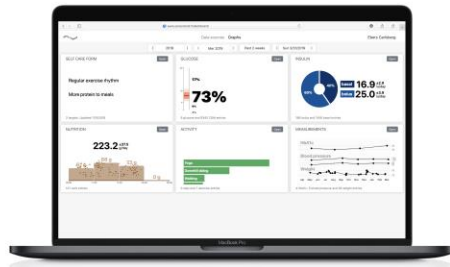
**Mikael Rinnetmäki**

Searching for sustainable business  
models for digital health





sensotrend



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### Omaseuranta

#### Painonhallinta

Lisää tiedot painonhallinnan tämänhetkisestä tilanteesta sekä tavoitearvoista. Tiedot lisätään hoitosuunnitelmaasi ja voit päivittää niitä myöhemmin.

#### Paino

Viimeisin mittaustulos (kg)

Viimeisin mittaus tehty (pp.kk.vvvv)

Tavoitearvo (kg)

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### Elintavat- ja laatu

#### Liikunta

Lisää tiedot viikottaisen liikunnan tavoitteista. Tiedot lisätään hoitosuunnitelmaasi ja voit päivittää niitä myöhemmin.

#### Arkiliikunta [Info](#)

Esimerkiksi kaupassakäynti (tt:mm)

 : 

#### Kevyt liikunta [Info](#)

Esimerkiksi kävely (tt:mm)

 : 

#### Korkean sykkeen liikunta [Info](#)

Esimerkiksi juokseminen (tt:mm)

 : 

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### Elinmuutokset ja lisäsairaudet

#### Rasva-aineenvaihdunta

Lisää tiedot rasva-aineenvaihdunnasta, sisältäen LDL- ja HDL-kolesteroli ja triglyseridit. Nämä tiedot saat laboratoriotuloksistasi. Tarvittaessa kysy lääkäriltäsi tai hoitajaltasi apua tietojen täyttämiseen. Tiedot lisätään hoitosuunnitelmaasi ja voit päivittää niitä myöhemmin.

#### LDL-kolesteroli

Viimeisin mittaustulos (mmol/l)

Viimeisin mittaus tehty (pp.kk.vvvv)

Tavoitearvo (mmol/l)

[Lisää kommentti](#) [+](#)

[← Takaisin](#)

### Toiminta- ja työkyky

#### Lääkekorvaukset, sosiaaliturva ja kuntoutus

Lisää tiedot oikeudestasi lääkekorvauksiin, sosiaaliturvaan ja kuntoutukseen. Tiedot lisätään hoitosuunnitelmaasi ja voit päivittää niitä myöhemmin.

#### Käytössä olevien lääkkeiden Kela-korvaus

Peruskorvaus 40%

Alempi erityiskorvaus 60%

Ylempi erityiskorvaus 100%

#### Oikeus verotuksen invalidivähennykseen

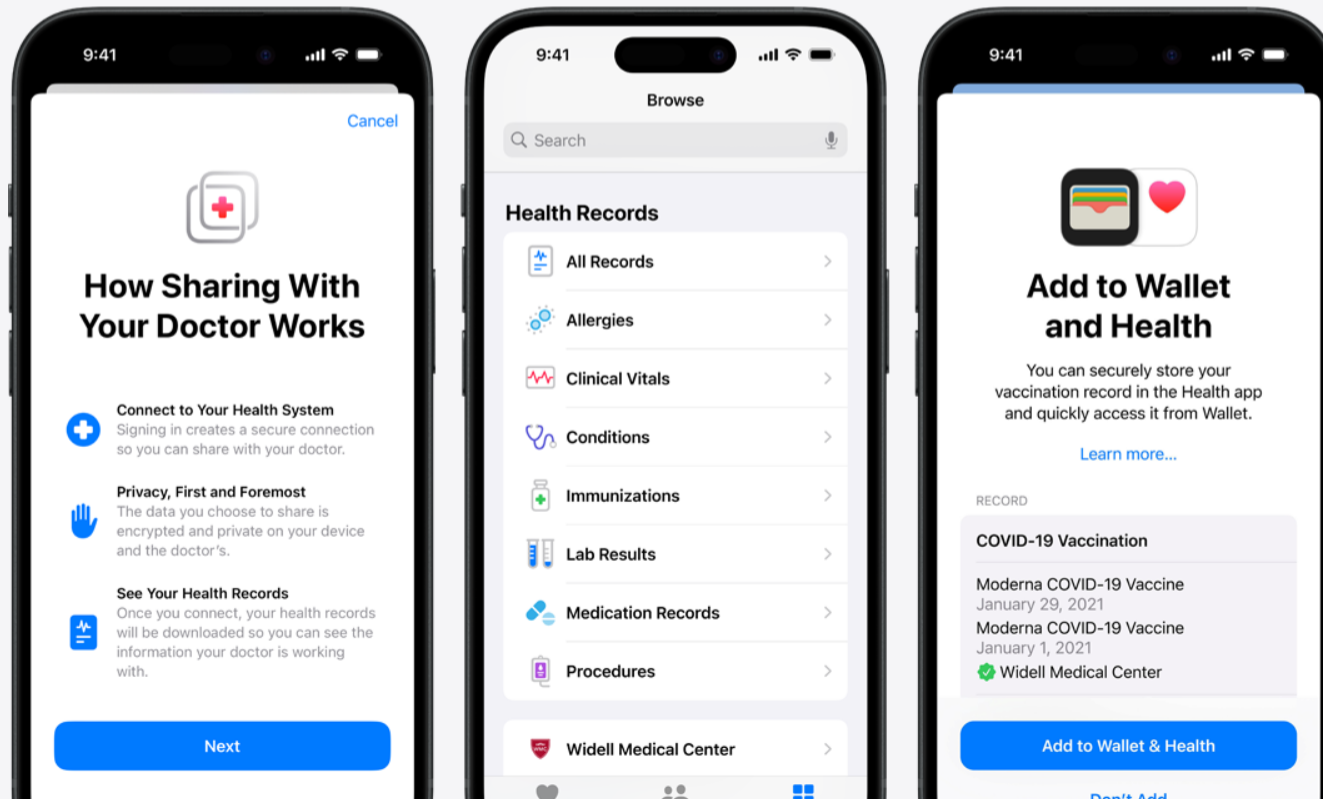
Kyllä

Ei

# Patient Empowerment

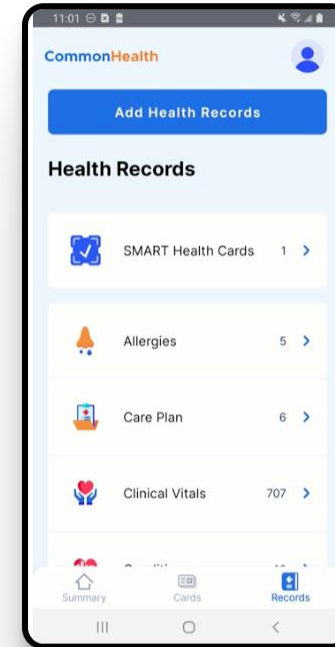
# Empower your patients with their health data.

The Health app makes it easier than ever for users to be engaged in their health with ways to visualize, securely store, and share their health data. Your patients can aggregate their health records from multiple institutions alongside their patient-generated data, as well as share their health data with a provider to facilitate richer conversations.



## Better health in your hands.

CommonHealth helps you collect and manage your personal health data and share it with the health services, organizations and apps you trust.



## About CommonHealth.

CommonHealth empowers you with your health information, while maintaining privacy standards. CommonHealth is a public service of The Commons Project.

# App Marketplaces



# Explore the App Market

Find products that connect to Epic using standards-based interfaces and APIs, such as FHIR, SMART on FHIR, and CDS Hooks as well as Epic's purpose-built interoperability technologies.



Search



Categories

User Context

App Stage



## Orchard Apps

See More



### CareSelect Imaging

Change Healthcare  
CareSelect Imaging is a decision support solution for health systems that want to...



### Apple Health

Apple Inc.  
A bold way to look at your health.



### TC Trustee Premier for Patie...

TrustCommerce  
Collect patient payments online through MyChart and MyChart Mobile quickly and...



### VPSX

Levi, Ray & Shoup  
VPSX provides reliable secure printing in Epic environments while eliminating...



### REDCap

Vanderbilt University Medical Center  
REDCap is a secure web application for building and managing online surveys and...



### AJCC 8th and Future Editions...

American Joint Committee on Cancer  
The American Joint Committee on Cancer (AJCC) defines the way cancer is...

See 332 More



## Blossom Apps

See More



Cardiologs Holter  
Cardiologs Technologies (a...



Patient Identification Cr...  
Duality Health



RxConnections  
NICUSA



Eon Data Enrichment  
Eon



CHICA-CN  
DHS



Aidin: Case Managemen...  
MRG

# App Gallery

Not all validated apps are available in every region. [Learn more.](#)

Interested in new apps?



## 1CarePlan™ by Qure4u

A complete digital health platform that offers providers the tools to interact with patients



## 2bPrecise™

2bPrecise helps clinicians leverage the power of genetics and genomics within their clinical





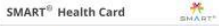
## AJD Vault - MyDirectives


MyDirectives helps healthcare providers quickly and seamlessly find advance care planning

# Data Sharing, Data Portability



# SMART Health Cards & Links

**COVID-19 Vaccination Record Card**  Issuer Logo  
SMART® Health Card

COVID-19 Vaccination Record Card		
NAME	DATE OF BIRTH	
ANYPEPERSON/JOHN B.	01/20/1951	
1	<b>Vaccine Product, Lot #348712</b> 03/12/2021, Dose 1 Issuer Clinic, IAL 1.4	
2	<b>Vaccine Product, Lot #436732</b> 04/01/2021, Dose 2 Issuer Clinic, IAL 1.4	



Store your SMART® QR in a compatible digital wallet app:

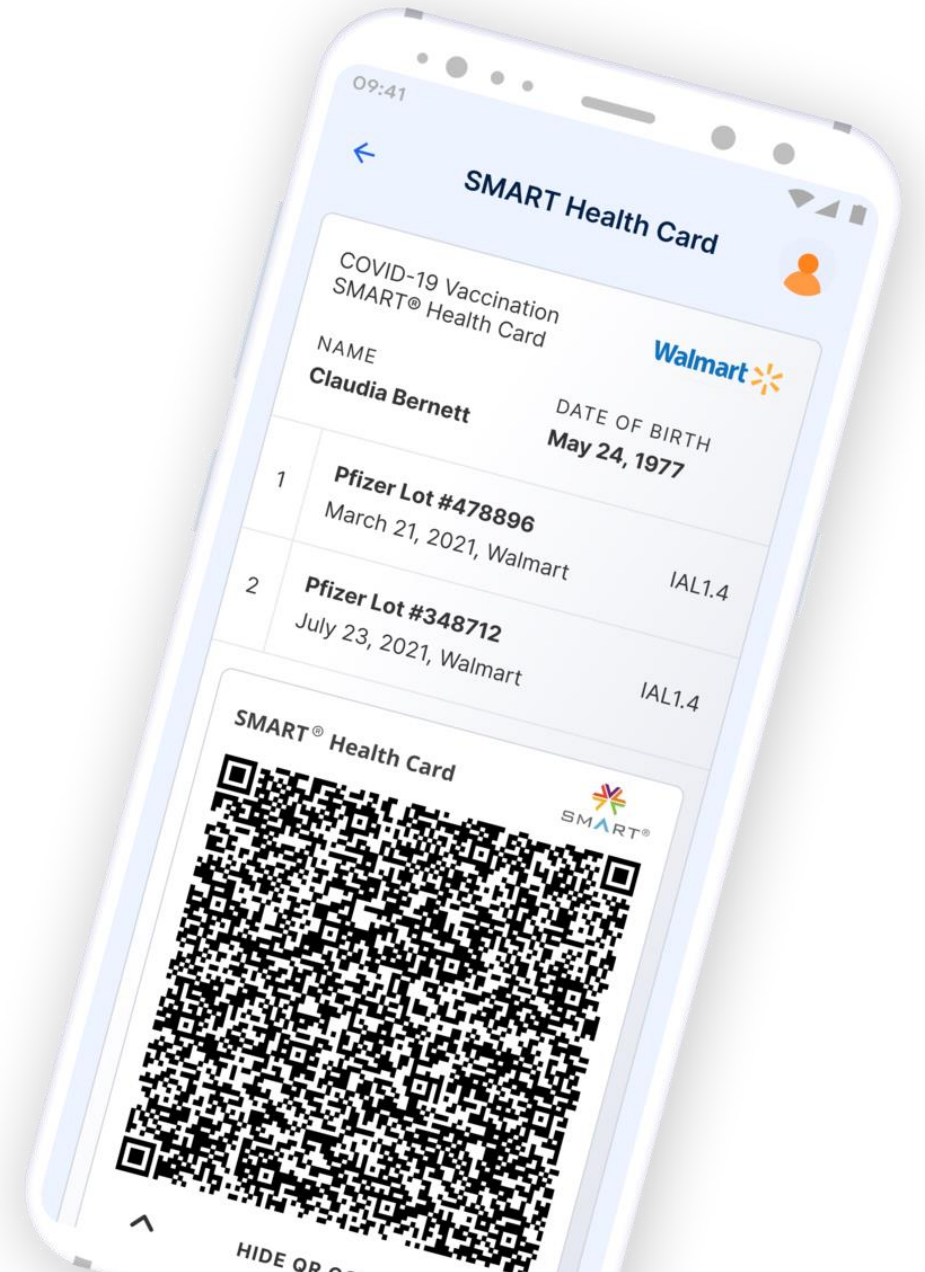
**What is a SMART® Health Card?**

- ✓ Holds important vaccination or lab report data
- ✓ Can be scanned to verify that the information has not been tampered with
- ⚠ **Don't forget:** Scanning this QR Code will share all of the information on your card, so make sure to only share with those you trust.

This vaccination record is powered by SMART and works with any app or service where SMART Health Cards are accepted. For more information, please visit <https://smarthealth.cards/>.

The IAL number on this document describes the way that your identity information was collected at the clinic. You can find more information about IAL encoding here: <http://build.fhir.org/ig/dvci/vaccine-credential-ig/branches/main/ValueSet-identity-assurance-level-value-set.html>

Your record can be verified or imported into the app of your choice by scanning the QR Code at the top of the page.



# Business Models

# Verordnung

Nachfolgend finden Sie Informationen, die Sie unmittelbar zur Verordnung einer von Ihnen ausgewählten Verordnungseinheit (DiGA-VE) der erstattungsfähigen DiGA für einen Patienten mit vorliegender Indikation nutzen können. Die verordnungsrelevanten Informationen werden, ggfs. mit einem gewissen, technisch bedingten Zeitverzug, auch von Ihrem Praxisverwaltungssystemhersteller unmittelbar in Ihrem PVS bereitgestellt.

Schlüssel zur Verordnung einer bestimmten DiGA-VE (z.B. ein bestimmtes DiGA-Modul für einen bestimmten Verordnungszeitraum) ist, analog z.B. zu unterschiedlichen Dosierungen und Packungsgrößen bei Arzneimitteln, die Pharmazentralnummer (PZN), die dazu auf dem Verordnungsvordruck (Muster 16) anzugeben ist. Bitte beachten Sie dazu die Hinweise z.B. der Kassenärztliche Bundesvereinigung (KBV) sowie ggfs. Ihres PVS-Herstellers.

Name der VE DiGA-VE-ID Modul	PZN	Plattform / Versionsnummer	Hardware	Anwendungsdauer	Indikation	Preis (Brutto)
ESYSTA 001 00939001	<b>17582851</b>	Webanwendung, Apple App Store, Google Play Store	Keine	90 Tage	E10, E11	249,86 €

## Weitere Informationen zur Verordnung

Vorgesehene Mindestdauer der Anwendung der DiGA

1 Jahr

II. - These prices are flexible with regard to the average monthly active queue of patients who have benefited from support for a medical telemonitoring activity of the same level (class and chapter) of the international classification of diseases published by the World Organization health averaged over a six-month reference period. The monthly fixed amount applicable per patient (including tax) is calculated according to the progressive scale per active queue segment of the reference period set as follows:

For the active queue share of the reference period between	Medical remote monitoring activity with organizational impact	Medical telemonitoring activity with clinical impact		
		Impact Quality of life	Impact Morbidity	Impact Mortality
0 and 4999	€50.00	€73.33	€82.50	€91.67
5,000 and 7,999	€45.83	€65.00	€74.08	€82.58
8,000 and 9,999	€41.67	€65.00	€74.08	€82.58
10,000 and 14,999	€37.50	€56.67	€64.00	€72.00
15,000 and 19,999	€33.33	€48.33	€54.58	€59.42
20,000 and 29,999	€31.67	€45.83	€51.83	€57.75
30,000 and 39,999	€29.17	€41.67	€47.08	€51.67
40,000 and 49,999	€25.00	€35.00	€39.00	€43.42
50,000 and 59,999	€20.83	€30.00	€33.58	€37.17
60,000 and 69,999	€20.83	€25.00	€27.92	€31.00
70,000 and 99,999	€12.50	€22.50	€25.08	€27.92
Beyond 100,000 inclusive	€12.50	€18.33	€20.17	€22.75
Minimum monthly rate applicable per patient	€20.83	€30.56	€34.37	€38.19

# Finnish Implementation Guide for SMART App Launch



This page is part of the Finnish Implementation Guide for SMART App Launch (v1.0.0: [STU 1](#)) based on [FHIR R4](#). This is the current published version. For a full list of available versions, see the [Directory of published versions](#)

# 1 Home

Official URL: <https://hl7.fi/fhir/finnish-smart/ImplementationGuide/hl7.fhir.fi.smart>

Version: **1.0.0**

Active as of 2023-11-09



Computable Name: FinnishSmart

## 1.1 Welcome to the Finnish SMART App Launch Specification

This is the Finnish implementation guide for the SMART App Launch mechanism.

This is an R4 IG. None of the features it uses are changed in R4B, so it can be used as is with R4B systems. Packages for both [R4 \(hl7.fhir.fi.smart.r4\)](#)  and [R4B \(hl7.fhir.fi.smart.r4b\)](#)  are available.

It builds on top of both the HL7 [SMART App Launch](#)  and the HL7 [International Patient Access](#)  specifications.

IG	Package	FHIR	Comment
 Finnish Implementation Guide for SMART App Launch	<a href="#">hl7.fhir.fi.smart#1.0.0</a>	R4	
 HL7 Terminology (THO)	<a href="#">hl7.terminology.r4#5.3.0</a>	R4	Automatically added as a

- [Welcome to the Finnish SMART App Launch Specification](#)
- [Why Do We Need to Profile the SMART Specification?](#)
- [Notable SMART Implementations in Finland](#)
- [Profiling Approach](#)
- [Governance](#)
- [Collaboration](#)
- [Safety Considerations](#)
- [License and Legal Terms](#)

# We wanted to:

- Believe in fruitful app ecosystems
- Create something that procurers can refer to in tenders
- Demonstrate benefits through examples
  
- Adopt best practices
- Not create any new requirements
- Make the specification easy to implement
- Make the specification easy to adopt and to extend!

# Ideas for the Nordic SMART App Launch IG

- Keep the same constraints
  - Require REST and JSON, recommend XML and IPA
- Offer documentation and examples of identity matching
  - Universal personal identifiers
  - Digital identity services
- Links to app accreditation processes
- Lightweight conformance testing procedure for apps and servers
  - List of conformant implementations

sensotrend

HL7 FINLAND

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