



TRUST
Over **IP**
FOUNDATION

Semantic Domain *(ISWG-S)* Weekly Meeting

16 February 2021

 THE **LINUX** FOUNDATION

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Agenda

- › 1. Welcome (Paul—2.5 mins)
- › 2. Newcomer Introductions (Paul—2.5 mins)
- › 3. Task Force Updates (WG—5 mins)
- › 4. Schema design for COVID-19 vaccination reporting and other coronavirus-related data capture requirements (Paul—20 mins)
- › 5. Announcement of COVID-19 Credentials Initiative (CCI) Schema Task Force at LF Public Health (Paul—15 mins)
- › 6. Master Mouse Model (MMM) white paper: Skeleton document restructure (Paul—10 mins)
- › 7. Logistics and miscellaneous (Paul—5 mins)
 - › a. News from the Operations Team
 - › b. Leadership positions
 - › c. Meeting schedule

Newcomer Introductions

(30 seconds!)

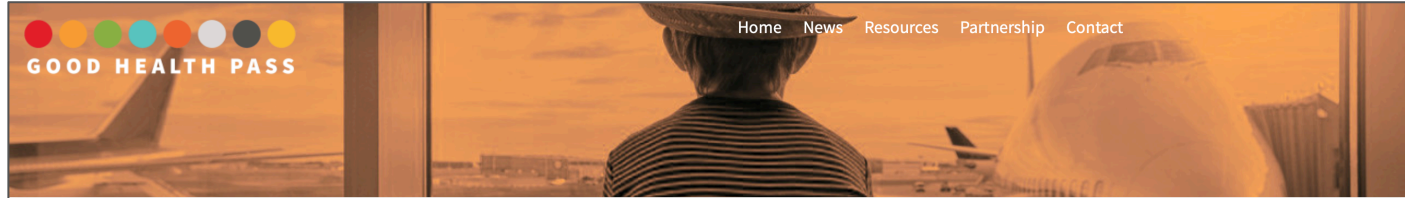
1. Name
2. Location / time zone
3. Affiliation(s)
4. One-sentence summary of your interest in Semantics (or **one particular semantics-related** issue you personally want to see solved)

Task Force/Focus Group Updates

(5 mins)

- Medical Information TF (Scott)
- ✓ FHIR FG (John/Mukund)
- Notice & Consent TF (Mark)
- Privacy & Risk TF (Jan)
- Storage & Portability TF (Christoph)

Good Health Pass Collaborative



Good Health Pass Collaborative Partnership

Thank you for your interest in participating in the Good Health Pass Collaborative (GHPC) and for your commitment to privacy protecting, user-controlled, globally interoperable, and universally accepted digital health credentials.

ID2020, along with leading companies and organizations in the technology, health, and travel sectors, have come together to create the GHPC — **an open, inclusive, cross-sector initiative to create a blueprint for interoperable digital health credentials to help restore global travel and restart the global economy.**

As a collaborative effort of global partners, GHPC is taking an approach that is holistic, open, and inclusive. No government, company or agency can solve this challenge alone. Setting the future course of “good” digital health credentials and navigating the associated risks is a challenge that requires sustained, multi-sectoral partnership. GHPC’s core partners have a longstanding belief in such collaboration.

GHPC is not intended to supplant existing efforts in digital health credential solutions, but rather to help weave them together and facilitate cooperation. By identifying the various areas where convergence around open standards is required – and filling gaps where they exist – the aim of GHPC is to provide the structure and coherence necessary for these ongoing efforts to fulfill their promise.

<https://www.goodhealthpass.org/join-us/>

Schema design for COVID-19 vaccination reporting and other coronavirus-related data capture requirements (20 mins)

Presented by: P.Knowles

<https://www.cdc.gov/vaccines/covid-19/reporting/requirements/cvrs-v2.5.html> (US only)

https://ec.europa.eu/health/sites/health/files/ehealth/docs/vaccination-proof_interoperability-guidelines_en.pdf (EU only)

CDC COVID-19 Vaccination Reporting Specification v2.5 (US only)

The screenshot shows the CDC website page for the COVID-19 Vaccine Reporting Specifications (CVRS) Instructions Version 2.5. The page header includes the CDC logo and the text "Centers for Disease Control and Prevention CDC 24/7: Saving Lives, Protecting People™". A search bar and a "Vaccines site" dropdown menu are visible. The main heading is "COVID-19 Vaccination Reporting Systems". Below this, there is a navigation menu with "COVID-19 Vaccination" selected. The main content area features the title "CDC COVID-19 Vaccine Reporting Specifications (CVRS) Instructions Version 2.5" and an "Introduction" section. The introduction text states: "This specification defines the COVID-19 vaccination reporting requirements to the Centers for Disease Control and Prevention's (CDC) COVID-19 Data Clearinghouse (DCH). Whenever possible, existing and new connections between provider organizations and immunization information systems (IISs) should be leveraged to report vaccinations directly to IISs. This specification addresses how IISs will report these data to CDC's DCH, as well as how provider organizations that are unable to report to IISs can still report to CDC's DCH to ensure a comprehensive accounting of administered doses of COVID-19 vaccine." An "On This Page" sidebar lists: Introduction, Data Conventions, Extract File Conventions, Daily Extract Criteria for COVID-19 Vaccines, and Extract Timing. A footer note mentions: "Currently, this specification supports the submission of redacted and identified case-level data. The 'Redacted Extract Fields' tab includes reference(s) to identified data elements, but these elements may be populated with 'Redacted' or an appropriate coded value."

Original specification



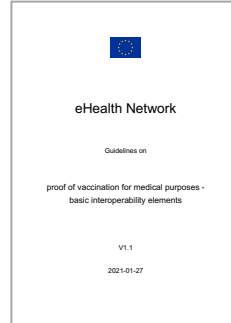
OCA specification



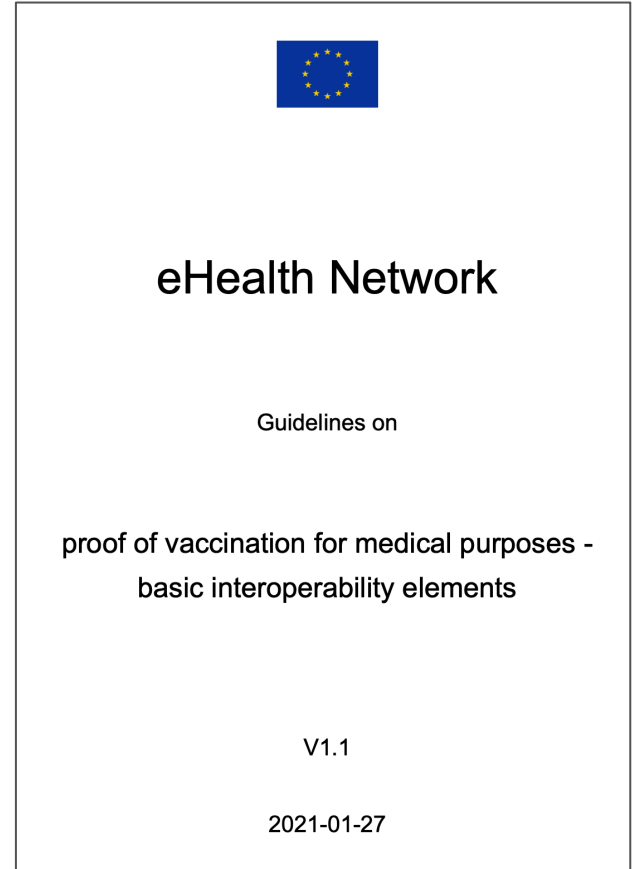
<https://www.cdc.gov/vaccines/covid-19/reporting/requirements/cvrs-v2.5.html>

eHealth Network COVID-19 Proof of Vaccination (EU only)

Original specification



OCA specification



Data Models and Data Representation Formats



Fast Healthcare Interoperability Resources is a standard describing data formats and elements and an application programming interface for exchanging electronic health records.

Electronic health records

The logo for Schema.org, consisting of the text "Schema.org" in white on a dark red rectangular background, followed by a stylized orange and yellow icon of a building or structure.

Schema.org

Schema.org is a collaborative community activity with a mission to "create, maintain, and promote schemas for structured data on the Internet, on web pages, in email messages, and beyond."

Semantic web



CDISC:SDTM (Study Data Tabulation Model) defines a standard structure for human clinical trial (study) data tabulations and for nonclinical study data tabulations that are to be submitted as part of a product application to a regulatory authority such as the United States Food and Drug Administration (FDA).

Medical research data linked with healthcare

Announcement of COVID-19 Credentials Initiative (CCI) Schema Task Force at LF Public Health (15 mins)

Presented by: P.Knowles

<https://www.covidcreds.org>
<https://www.lfph.io>

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COVID-19 Credentials Initiative (CCI) Schema Task Force

Schemas and *Profiles* are domain-specific (e.g., a demographics schema or demographics profile). *Forms* and *Credentials* are a digital representation of a paper document (e.g., a visa waiver form or visa waiver credential). For this task force, we want to stay domain-focussed so that there is a separation of scope with the [#cci-vaccinecredentialsfg-us](#) group. The differentiation between profiles and credentials is important when it comes to data storage and portability.



CCI – <https://www.covidcreds.org>

LFPH - <https://www.lfph.io>

LF Public Health slack channel
#cci-schema-tf

[Main contacts: P.Knowles / J.Walker]

Priority OCA Integrations

1



Trust over IP FHIR Focus Group
(J.Walker / Mukund / B.Serdar)

2



C4: Canadian COVID Credentials Consortium
(D.Janes)

LF Public Health slack channel
#cci-schema-tf

[Main contacts: P.Knowles / J.Walker]

Master Mouse Model (MMM) white paper: Skeleton document restructure

(10 mins)

Presented by: P.Knowles

https://docs.google.com/document/d/11irDi_UnuETDh19gPRxq9yUBu2L2WJ2EQHpmom7f5VA/edit

Master Mouse Model (MMM) white paper: Skeleton document restructure

ISWG white paper proposal (draft)

Ref.:

https://docs.google.com/document/d/11irDi_UnuETDh19gPRxq9yUBu2L2WJ2EQHpmm7f5VA/edit

Master Mouse Model:

A template framework for an open data network
[Inputs and Semantics WG, Trust over IP]

The open data network we propose has to allow digital services to exchange personal data on demand of their users. Following the Separation of Powers Principle (SPP), data transfers require users' permissions through their Personal Data Operators, which never see or access transferred data but rather act as a switch for the transfer. Permissions and transfer work on two separate layers.

Overview

The Master Mouse Model (MMM) is a model architecture representing any economic actor in a dynamic data economy. In a citizen-centric ecosystem, *purpose-based service providers*, *data governance authorities*, and *insights-based service providers* provide a template framework for an open data network.

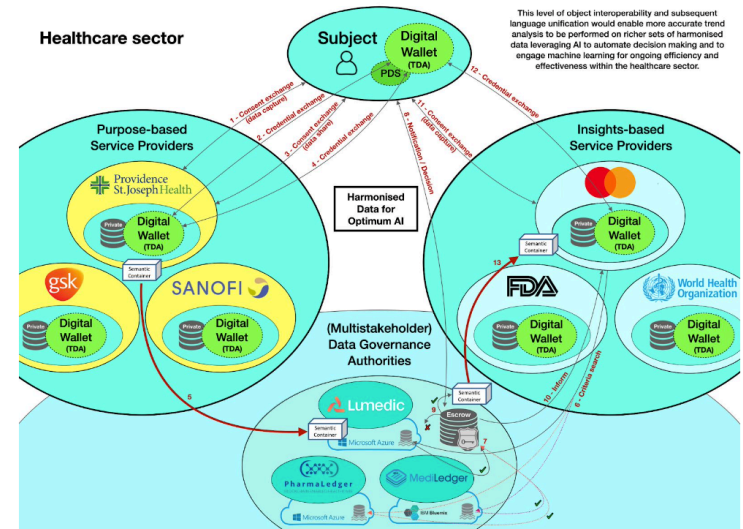


Figure 1: Master Mouse Model, a template framework for an open data network

Logistics and miscellaneous (5 mins)

<https://wiki.trustoverip.org/display/HOME/2021-02-16+Meeting>

News from the Operations Team

Nick Hayfack

(Inputs and Semantics WG representative on the ToIP Operations Team)

The purpose of the Operations Team is to create a small group of ToIP members who will share information on the workplans of our WGs, help ensure that draft deliverables are advancing as intended through the stages of the ToIP workflow, resolve any bottlenecks that arise around decision-making/approvals and discuss issues such as (for example) introducing firmer parameters for the creation of Taskforces under all WGs.

The Operations Team will not be directing or otherwise interfering with the development of content and deliverables in the WGs themselves.

ISWG Leadership positions

- › Inputs Group Chair
 - › **Robert Mitwicki**
- › Inputs Group Vice-chair
 - › **Sam Smith**
- › Semantics Group Chair
 - › **Paul Knowles** (*ISWG Lead*)
- › Semantics Group Vice-chair
 - › **John Wunderlich**
- › Volunteer via the meeting page at ...
 - › <https://wiki.trustoverip.org/display/HOME/2021-02-16+Meeting>

Meeting schedule

- › **Inputs Domain Group** weekly meeting
 - › Wednesday, **February 17th** @ 09:00 US PT / 18.00 CET
 - › Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMhJqL0ZQM3I3Zz>
- › **FHIR FG** bi-weekly meeting
 - › Thursday, **February 18th** @ 08:00 US PT / 17.00 CET
 - › Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMhJqL0ZQM3I3Zz09>
- › **Notice & Consent TF** bi-weekly meeting
 - › Thursday, **February 18th** @ 08:30 US PT / 17.30 CET
 - › Zoom link: <https://zoom.us/j/92346573961?pwd=RmZHNnQxS2lya3NCMHZTVXYra3Rrdz09>
- › **Privacy & Risk TF** bi-weekly meeting
 - › Monday, **February 22nd** @ 09:00 US PT / 18.00 CET
 - › Zoom link: <https://zoom.us/j/91264300414?pwd=RndaTGZxeUp0bWt2aUttVU1kZ1FrQT09>



Closing Q & A

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