

2021-04-13 Standard Data Models and Elements Drafting Group Meeting Notes

Attendees

- Brain Plew
- Vitor Pamplona
- Paul Knowles
- Rebecca Distler
- Paul Murdock
- Nicolas Douliez
- Drummond Reed
- Sandeep Jain
- Wendy Henry
- Tony Little
- Zsombor Szabo
- David Janes
- Rajesh Pillai
- Steven Milstein
- Kaliya Young
- Brian Martin
- Jim StClair

Agenda Items

Time	Item	Who
2 min	Welcome & Antitrust Policy Notice	Rebecca & Brian
15 min	Introductions	All
40 min	Overview of Current Draft & Discussion	Paul Knowles
3 min	Wrap up	Chair

Presentations

Recording

Topic: Good Health Pass - Standard Data Models and Elements

Start Time : Apr 12, 2021 11:59 AM

Meeting Recording:

https://zoom.us/rec/share/dAcJ3yLZFEIkChZFp7f8Kz8ZFfOHxUSZWplM3WYtRDyMiHh9hz8w7ICfSzTVpHdk.eTjN_F5kKCvHlrmZ

Notes

1. Welcome and Linux Foundation antitrust policy

2. Introductions

3. Overview of Current Draft & Discussion

- Design requirements = 1) Defining profile elements (forms and schemas); 2) Data capture (semantic harmonization - largely been ignored in decentralized space. Within an org, can do transposing, but beyond that into a decentralized space, you want to harmonize the semantics so that data is always machine readable and can contribute to better analytics); 3) Data exchange (common data model)
- Rebuild semantics rebuild in data models (schema.org, cdisc models, etc.)
- FHIR is a complicated model; group working on OCA/FHIR at ToIP
 - Discussion on FHIR as a data model
- Specific problems to solve:
 - Fake data, disjointed data, siloed data
 - Want authentic, harmonized, and distributed data for governance
 - Want to know how we can use JSON-LD
- FHIR is not a data model and can be hefty
 - Consider the OMOP Common Data Model (extensive traction in US research community)
 - FHIR4 not really operational yet
- Large organizations to "announce support" within 30 days, implementation in 90 days / 180 days
 - Operational/business people to add suggested timelines for adoption (Brian Plew)
- Need to deliver spec now - a really key piece for businesses to understand effort
 - Recommendations of this group are specific data elements and schemas (need to talk about whether they are JSON-LD or other formats)
 - Test, vax, recovery - diagram uses certificate (need to align with WHO)
- Minimum viable schema specifications and forms

- Machine readable spreadsheet - automatically generates JSON-LD code (once we're happy with spec, can give people code)
 - Paul to turn into an annex?
- Use "credential" to (1) not overlap with other existing concepts and efforts (2) lights up a number of non-medical-specific trust issuance use cases (3) avoid some negative connotations (although "credential" has some as well)
- Business / operations perspective: Want to understand what's coming, data elements, (doesn't need layers) - overlay with attached elements (PDF/embedded excel - something really tactical that can be handed to engineering)
 - Important to give context on why the fields are there - identity management, DOB
 - Closest to something that can be imported and deployed; upload a schema to schema.org and make suggestions of when to use them (e.g., multiple use cases, direction on why you would choose them)
- Product perspective, would want a crosswalk to JSON
 - OCA doesn't care about what common data model is used
 - If we can use FHIR, we can use anything
 - Can we get sample FHIR covid vaccination records?
 - However you format the data - it needs to be consumable by the Rules Engine.
- Could you have a pass with no PII (if cryptographic link back to source)?
- Health credentials data standard models and data elements
 - Identity binding data elements - identity binding needs to articulate what they need for that purpose
 - Taxonomy between credentials and passes makes that even clearer - credential contains the full menu of what you may have in terms of health and identity binding data that's available to produce a pass
 - The ultimate pass is binary - yes / no for whatever context (showing the pass in person)
 - Situations when getting across the border
- Links between test records - stack records
- Take hash of schema base - keeps context
- FHIR covid vaccination records (looks like W3C records) - <https://github.com/digitalbazaar/vaccination-certificate-test-suite/tree/main/certificates>
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- This group needs to figure out what is in a testing credential (use documentation from EU)

4. Next Steps

Action Items

1. All to review draft document and provide inputs on sections they could draft
2. Paul K to connect with Brian M on potential data models to use
3. Rebecca to look at framing document