



AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

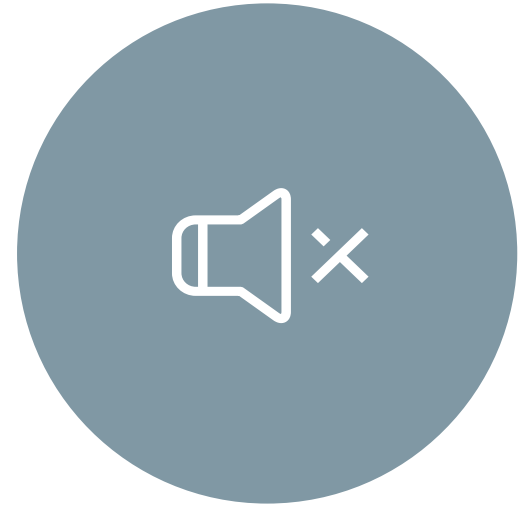
Vaccine Credentialing Solutions - Part 1: Programmatic Aspects

Discovery Session
May 10, 2021
4 PM EST

AIRA Discovery Session



This meeting is being recorded
and will be posted in the
AIRA repository

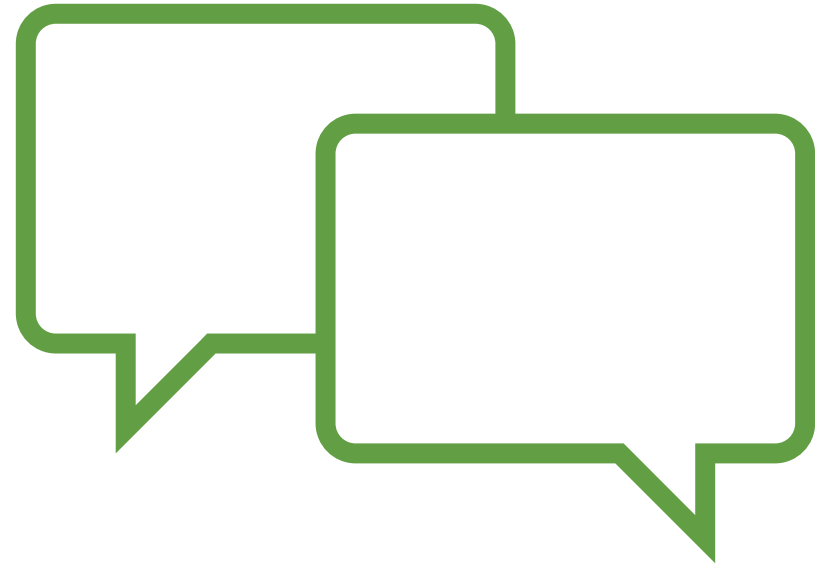


All phone lines
are muted



Technical Support

If you experience any technical issues during the meeting, please contact **Sarah Stein** via direct message in the Chat.



Today's Speakers

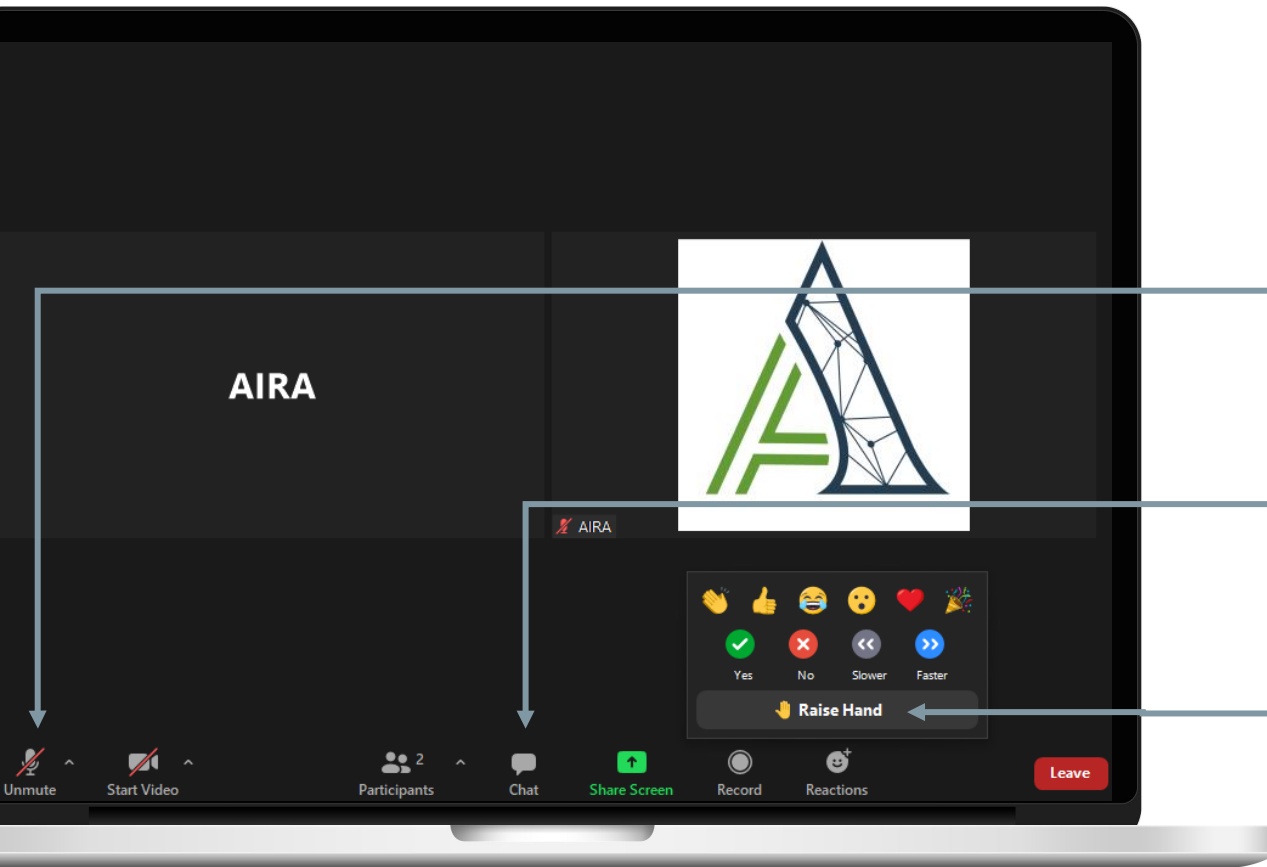
- Mary Beth Kurilo
- Tiffany Dent & Sarah McKee
- Quan Le
- Dave McCormick



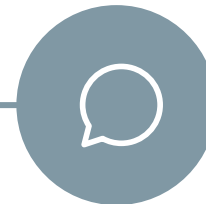
Questions

How do I ask a question?

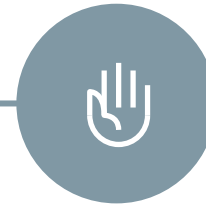
There will be time allotted for Q&A following each of the updates.



Select the unmute icon and ask your question verbally.



Select the chat icon and type your question into the chat box.



Select the reactions icon, select "Raise Hand," and you will be called on.



Mary Beth Kurilo

American Immunization Registry Association (AIRA)





AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

Introduction to Vaccine Credentials Considerations for IIS

Monday, May 10, 2021

4:00pm ET

Goals for Today

- Provide high-level context about concepts and definitions around vaccine credentialing from the point of view of the IIS community
- Suggest resources for further exploration/research
- Hear from participants about critical questions



The Evolution (?) of Vaccine Records

VACCINE	Date Given MO/DA/YR	DOCTOR OR CLINIC	DATE NEXT DUE
1	AUG 25 1988	State of Hawaii, PHNS	
2	10-24-88	JOSEPHINE COUNTY HEALTH DEPT.	
3	10-24-88	JOSEPHINE COUNTY HEALTH DEPT.	
4	1-11-93	JOSEPHINE COUNTY HEALTH DEPT.	
5			
DPT	1 AUG 25 1988	State of Hawaii, PHNS	
2	10-24-88	JOSEPHINE COUNTY HEALTH DEPT.	
3	10-24-88	JOSEPHINE COUNTY HEALTH DEPT.	
4	10-24-88	JOSEPHINE COUNTY HEALTH DEPT.	
5	1-11-93	JOSEPHINE COUNTY HEALTH DEPT.	
6	3-17-97	Clara Lee Codes	
MEASLES			
RUBELLA	10-24-88	JOSEPHINE COUNTY HEALTH DEPT.	
MUMPS			
OTHER			
T.B. - true test done 6/29/89. Neg			
VACCINE REACTIONS AND OTHER NOTES:			
EXEMPTION-VACCINE: PROVIDER: DATE:			

COVID-19 Vaccination Record Card

Please keep this record card, which includes medical information about the vaccines you have received.
Por favor, guarde esta tarjeta de registro, que incluye informacion médica sobre las vacunas que ha recibido.

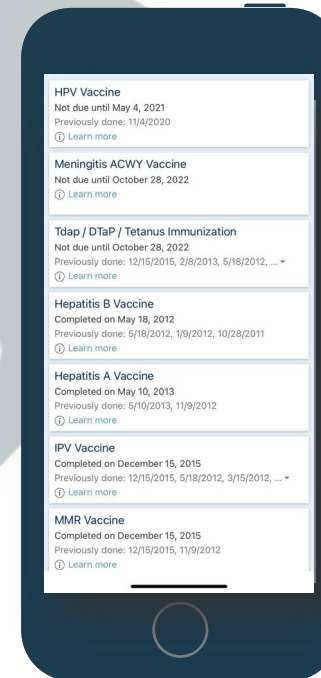
DEPARTMENT OF HEALTH & HUMAN SERVICES 

Last Name _____ First Name _____ MI _____

Date of Birth _____ Patient number (medical record or NS record number) _____

Vaccine	Product Name/Manufacturer Lot Number	Date	Healthcare Professional or Clinic Site
1 st Dose COVID-19		mm / dd / yy	
2 nd Dose COVID-19		mm / dd / yy	
Other		mm / dd / yy	
Other		mm / dd / yy	

Present Health Card

HPV Vaccine
Not due until May 4, 2021
Previously done: 11/4/2020
[Learn more](#)

Meningitis ACWY Vaccine
Not due until October 28, 2022
[Learn more](#)

Tdap / DTap / Tetanus Immunization
Not due until October 28, 2022
Previously done: 12/15/2015, 2/8/2013, 5/18/2012, ...
[Learn more](#)

Hepatitis B Vaccine
Completed on May 18, 2012
Previously done: 5/18/2012, 1/9/2012, 10/28/2011
[Learn more](#)

Hepatitis A Vaccine
Completed on May 10, 2013
Previously done: 5/10/2013, 11/9/2012
[Learn more](#)

IPV Vaccine
Completed on December 15, 2015
Previously done: 12/15/2015, 5/18/2012, 3/15/2012, ...
[Learn more](#)

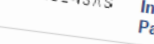
MMR Vaccine
Completed on December 15, 2015
Previously done: 12/15/2015, 11/9/2012
[Learn more](#)

Growing Focus Across Private Industry

Current Landscape of Vaccine Credential Initiatives

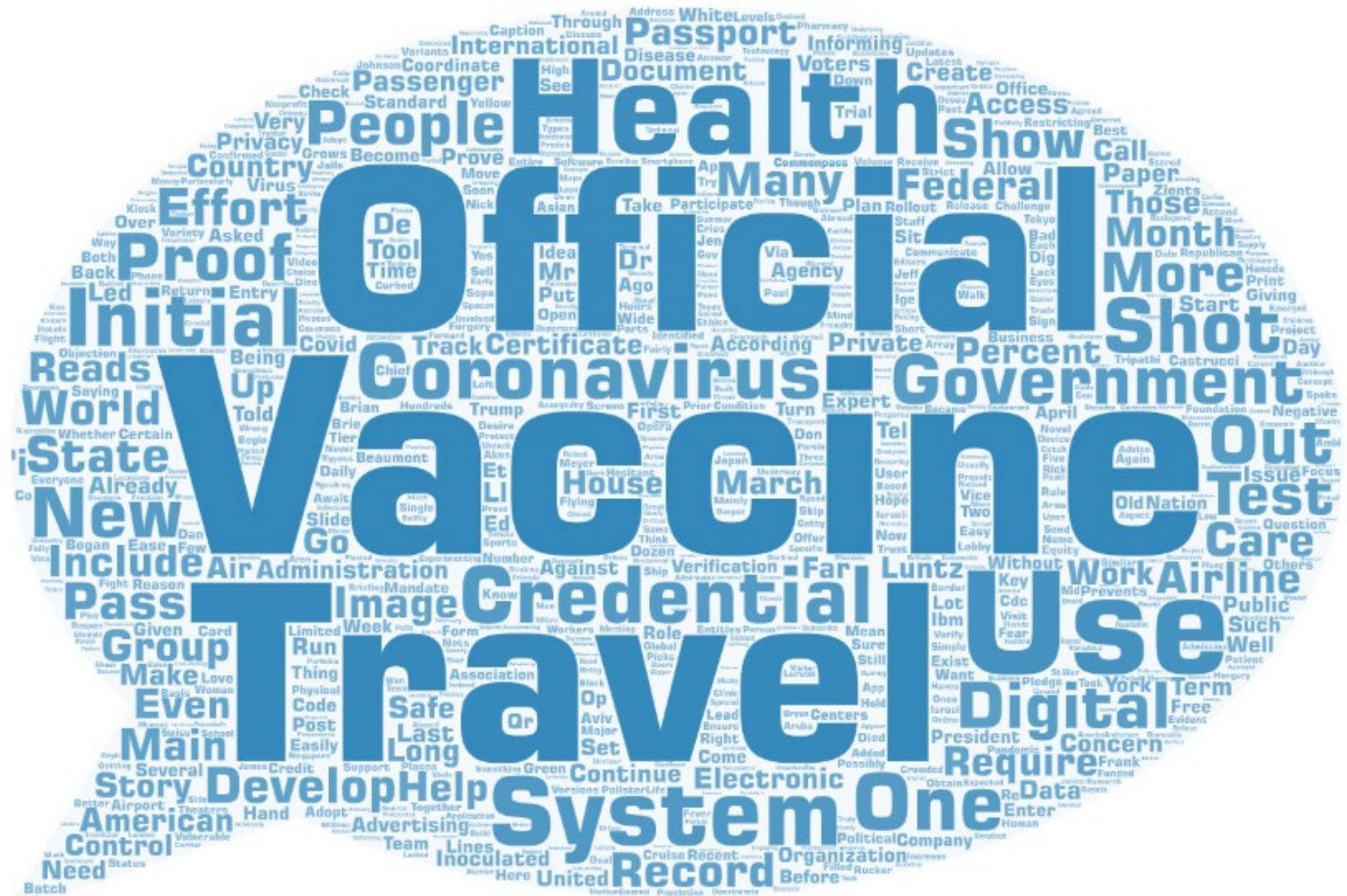
Initiative	Technical Approach	Standard Vs Solution	Lead Organization
 Smart Vaccination Certificate	Interoperable digital Credentials based on open standards	Standards	
 CommonPass and CommonHealth	Open credential standard and Quick Response (QR) code	Solution based on open standards	
 IATA Travel Pass	Using Vaccine Credentials standard and QR Code	Solution with Trusted Partners	
 COVID-19 Credentials Initiative (CCI)	Privacy-preserving verifiable credential	Standard and Solution	
 ICC AOKpass	Platform and mobile application using blockchain technology	Standard and Solution with trusted Partners	
 Skyflow for Healthcare	Proprietary Standard	Solution with trusted partners	
 VeriFLY	Proprietary Standard	Solution for COVID-19 implementation and risk management	
 CoronaPass	Proprietary Standard		
 Vaccination Credential Initiative (VCI)	Open standards based on FHIR and W3C Verifiable Credentials standard	Open Standard	

Current Landscape of Vaccine Credential Initiatives

Initiative	Technical Approach	Standard Vs Solution	Lead Organization
 IBM Digital Health Pass	Blockchain-based platform	Open Standards based Solution	International Business Machines Corporation (IBM)
 MIT SafePaths Vaccination Cards	Augment existing infrastructure to support end to end privacy and encryption	Standards and Solution for both App and non-App	MIT
 Boost-19 for Vaccination and Covid-19 EN App	Exposure Notification using Google Apple Exposure Notification	Solution based on open Standard	PathCheck Foundation
 Trusted Pandemic Technologies Vaccine Diary Protocol	Cryptographic protocols for vaccine eligibility, dose coordination, and reporting side effects	Open Standard	Trusted Pandemic Technologies (MIT and Brown University)
 Good Health Pass	Developing Trust Framework	Trust Framework	MasterCard
 1KOSMOS BlockID Proofing Citizens' COVID-19 Vaccination	Proprietary Standard	Solution for digital Identity	1Kosmos BlockID (Private Company)
 CANImmunize CANImmunize App	Not known	Solution	Canadian Health System
 Consensus Information Passport	Based on W3C Verifiable Credentials Standard	Solution for digital immunization passport	Consensus (private company)



Terminology



Working Definitions in the IIS Community

- **Consumer Access:** The process of offering individuals direct access to their own records and, in some cases, their family members' records



Working Definitions in the IIS Community

- **Consumer Access:** The process of offering individuals direct access to their own records and, in some cases, their family members' records

- **Vaccine Credentials:**
- **Vaccine Certificates:**
- **Vaccine Passports:**



A paper or electronic record of:
1) Immunizations received
2) Immunization status



Working Definitions in the IIS Community

- **Consumer Access:** The process of offering individuals direct access to their own records and, in some cases, their family members' records
 - **Vaccine Credentials:**
 - **Vaccine Certificates:**
 - **Vaccine Passport:**
- } A paper or electronic record of:
1) Immunizations received
2) Immunization status
- **Digital Credentials:** A paper or **electronic** record of immunizations received that is transmissible/shareable electronically (similar example: boarding pass)



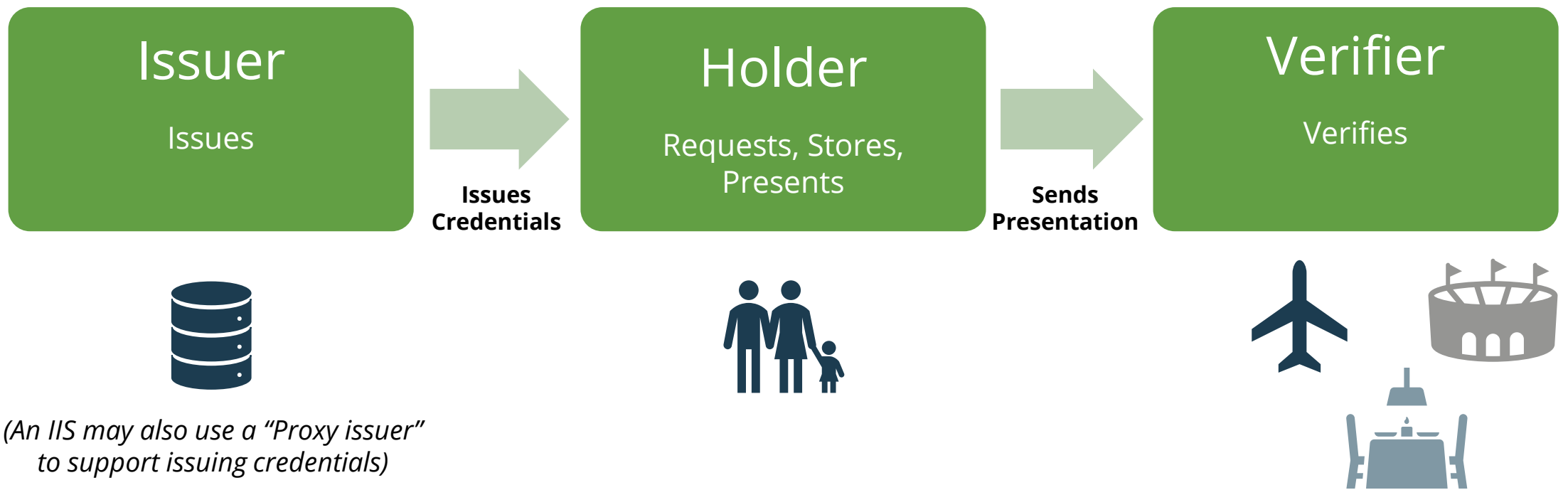


Why is Moving to “Digital” Important?

- More shareable/interoperable (e.g., QR codes)
- More secure/private
- Easier to save (and find when needed)
- Easier to ensure they are being issued and presented by the entity meant to issue and present them
- Less vulnerable to counterfeiting
- Less susceptible to modification, fraud

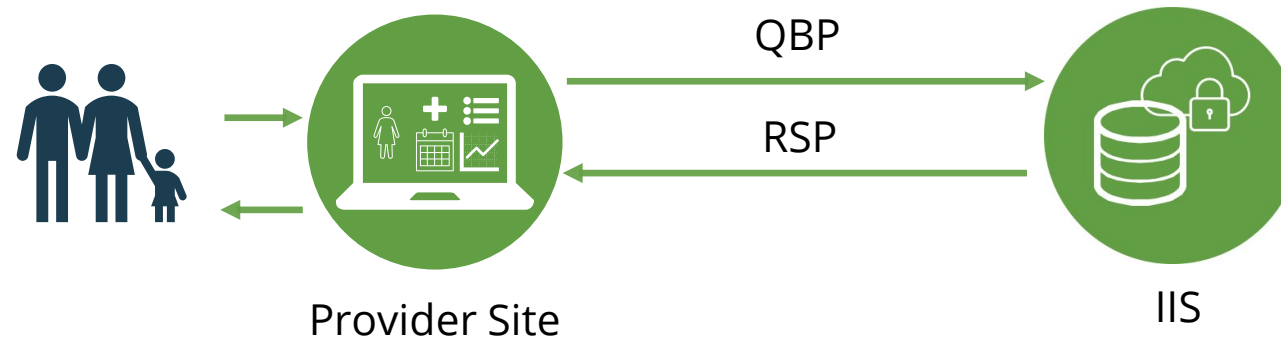


Roles in the Credentialing Process, Per the SMART Health Cards Framework



Important Role of Authentication

- Historically, IIS exchanged data with provider sites, who were able to authenticate the identity of their patients needing records



- For many IIS, consumer access/vaccine credentials change the role of IIS, and bring up questions of who does the authentication and how
- Many broader efforts focused on global digital identity



The Importance of Health Equity When Considering Vaccine Credentials

Can **all our constituents** access through:

- Broad availability (urban/rural, high/low socioeconomic status)?
- Accessible technology (paper AND digital)?
- Multiple languages?
- Culturally relevant presentation?

Does everyone have equal access to vaccination itself?

How complete is our underlying data that we use to answer health equity questions?



Values Emerging Across IIS

- **Equity** is critically important – IIS can support equitable access, and can use data to answer health equity questions
- Investments to address consumer needs should be **sustainable**
- Solutions should eventually consider **all vaccinations**, not just COVID-19
 - Consumers may be motivated by COVID (e.g., replacing white card)
 - Another white card → original provider
 - A full immunization record → IIS can supply that
- IIS data should be **securely managed**, and **broadly available**



Selected Resources* for Further Exploration

Vaccine Credentialing Initiative (VCI): <https://vci.org/>

Smart Health Card Framework: <https://smarthealth.cards/>

COVID-19 Credentials Initiative (CCI): <https://www.lfph.io/cci/>

Good Health Pass Collaborative: <https://www.goodhealthpass.org/>

World Health Organization (WHO) Smart Vaccination Certificate:
<https://www.who.int/groups/smart-vaccination-certificate-working-group>

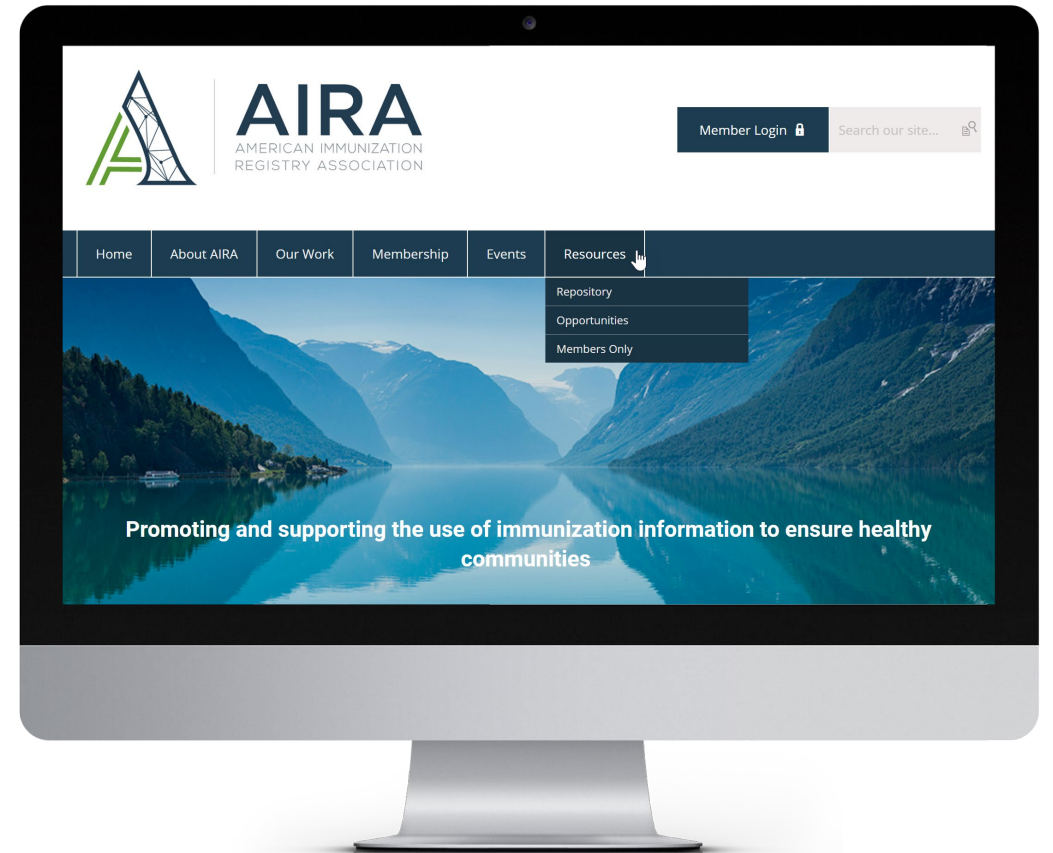
HLN.com Blogs on Vaccine Credential Efforts: <https://www.hln.com/vaccine-credentials-do-not-replace-full-vaccination-histories/>

** This list is not comprehensive. For a list of initiatives, see the Federal Health IT Coordinating Council slides, March 2, 2021, https://www.washingtonpost.com/context/federal-officials-review-vaccine-passport-plans/d40fb0be-fb34-48c9-be39-43d10bb15feb/?itid=lk_inline_manual_18*



Thank You!

Mary Beth Kurilo, MPH, MSW
mbkurilo@immregistries.org



www.immregistries.org



Tiffany Dent & Sarah McKee

STChealth

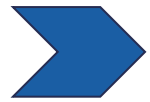




The STChealth Consumer Access Network

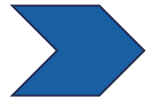
STChealth KNOWS Immunization Exchange

IIS Vendor 25+ Years



Supporting 13
States/Territories

Delivering Consumer Access for 10 Years



Connecting over 1 Million
Consumers (10+ States) to
Official Immunization
Record

Provider Access Network Vendor for 8+ Years



Reporting to 58 IIS,
Connecting Over 56,000
Vaccine Provider and
Pharmacy locations

COVID Immunization Access

1

Emerging market of credentials and health apps providing safe access to office buildings, entertainment, travel, sporting venues, etc.

2

Consumers can and will use applications and digital certificates, as available, to gain access to travel and events

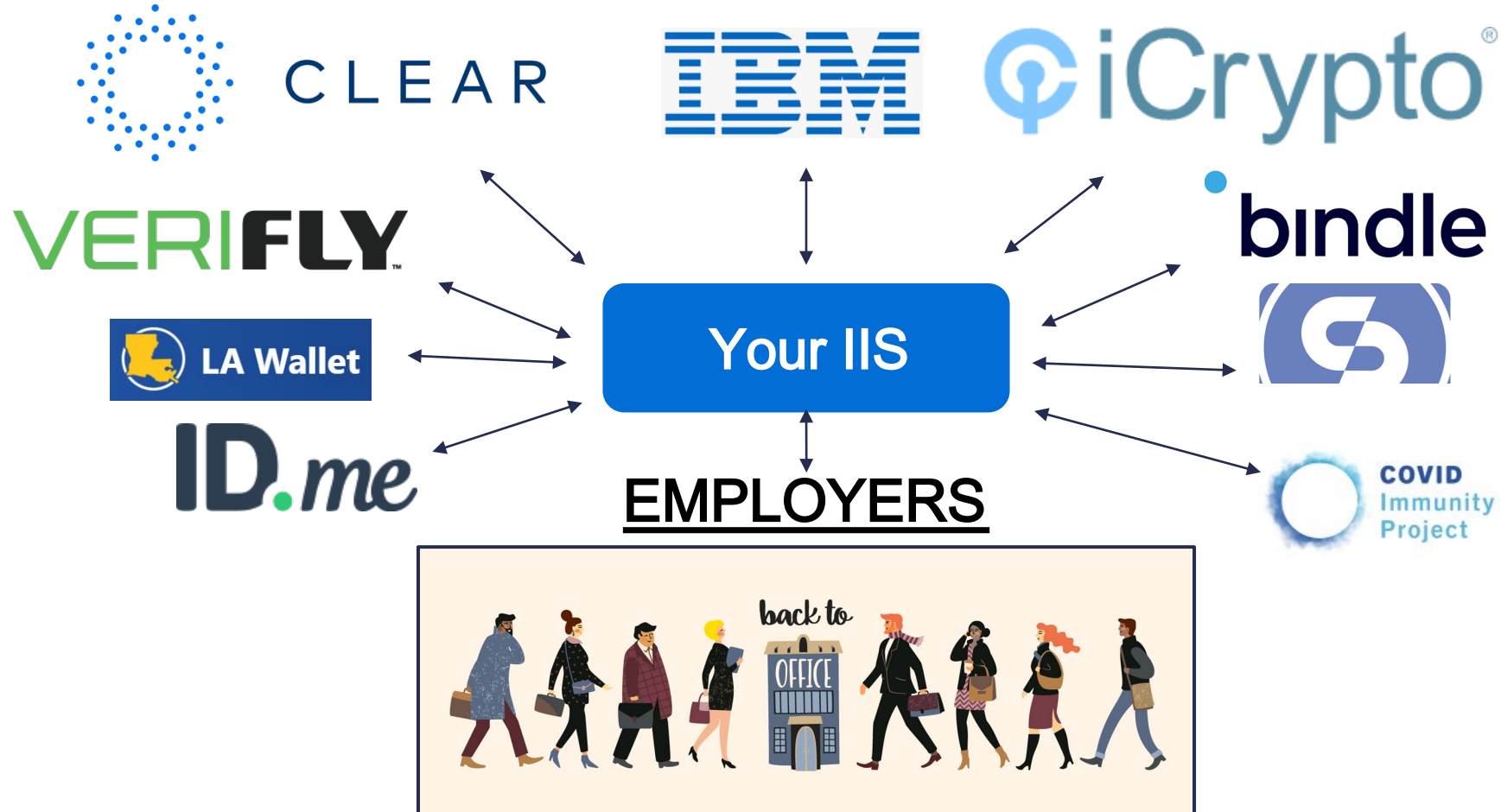
3

States receiving influx in requests to share vaccine data and the need for IISs to allow consumer access is paramount

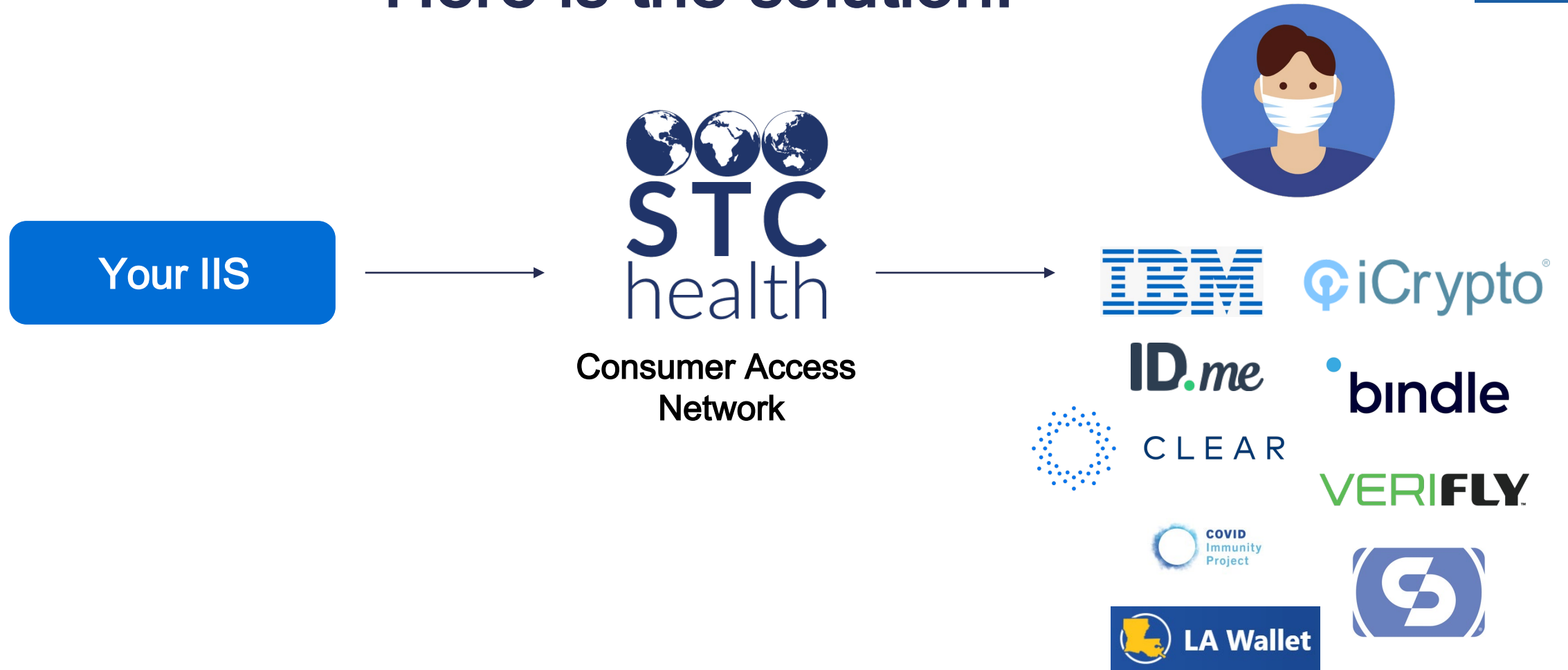
4

STChealth is a single connection to standardize and share only the essential immunization data with consumer applications

This is the ask of the IIS Community:



Here is the solution:



Consumer Access Network *Mission*

Safely and Securely Help the Individual to Share
Their Verified Vaccine Information



Workflow



Your IIS



Consumer Access
Network

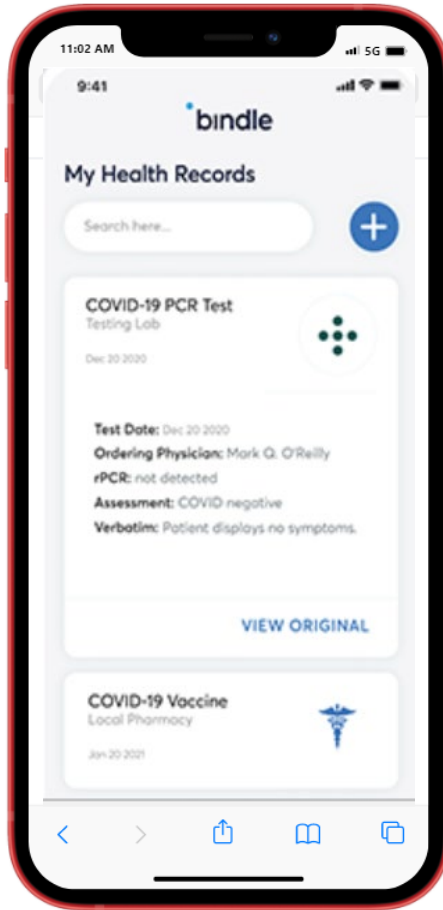


CLEAR

VERIFLY

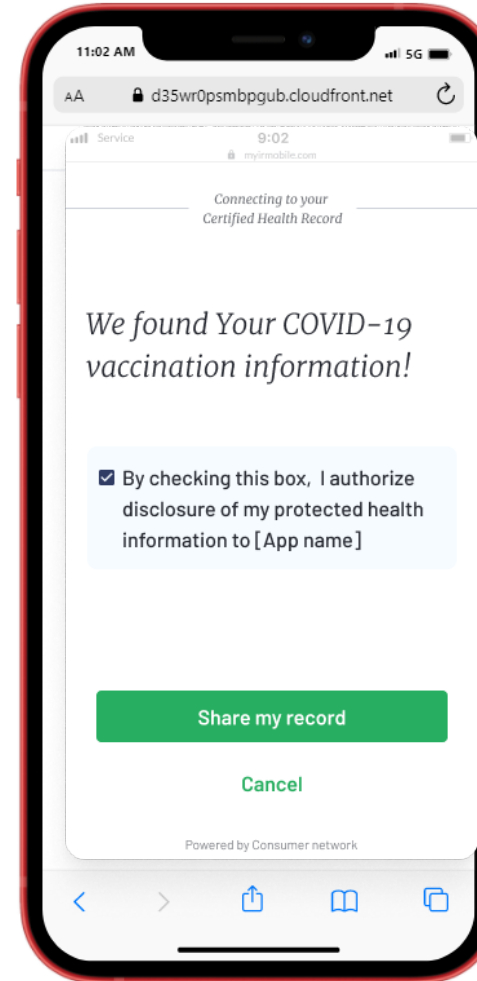


Matching and Consent



Based on the same matching algorithm that has been in place for years in MyIR.

- Secure
- Safe
- Efficient
- Improved



COVID-19 Data

Subset Of Data

- Up-to-date
- Not-up-to-date
- Vaccine Manufacturer
Date Administered

* Based on CDSI forecaster

Rules Apply in 3rd Party Sites

*Based on the
subset of Covid-19
Data

What's the Difference?

Consumer Access
Network Only

STChealth
Information
Network

Consumer Portal (i.e
MyIR)



Digital Vaccine Record "DVR"
aggregator



Leverages CDSi Forecasting



Secure access, ability to track
consent, and share verified
record



Consumer Portal for full immunization
record & decision support



Access to State-customized
immunization forms



Consolidate records for individual
and dependents

FAQ

Q: Can I use MyIR to provide electronic access to consumers and their family's immunization information?	A: Yes, MyIR allows for consumers and their family members to see their full immunization record and any state custom certificates authorized.
Q: My State already has a Consumer Portal, can I still use STC's Consumer Access Network to enable our consumers to share their records with other entities?	A: Yes, the Consumer Access Network allows your consumers to consent to share their verified vaccine record. Consumers can still leverage your existing Portal for their full immunization record.
Q: Can I use both MyIR and the Consumer Access Network and is there a benefit?	A: Yes, utilizing both platforms allows for a 1-time authentication pathway

STC Allows The State To Remain In Control

- Visibility through State Dashboards
 - Insight of all consumer record requests
 - Ability to audit consents as needed
 - Authorize new technology partners to connect by directing to STC
 - Infrastructure integrity - STC helps monitor traffic load and response times of IIS. (STChealth hosts and maintains IIS systems throughout the country and understands the critical importance of these systems)

STC Consumer Access Network

Implementation Overview

1. **Initiate** | Reach out to STC Client Partner group
clientpartners@stchome.com
2. **Agree** | Execute MOU “Memorandum of Understanding” w/STC
3. **Connect** | STC configures connection to IIS using the same format we use to report vaccines today (no technical changes needed) *TIME FRAME: approx 48hrs*
4. **Test** | STC performs Connection, Query, and Match Testing *TIME FRAME: approx 48hrs*
5. **Go Live!** | Get back to business!

Contact Us



411 S. 1st St., Phoenix, AZ 85004



www.stchealth.com



480-745-8500



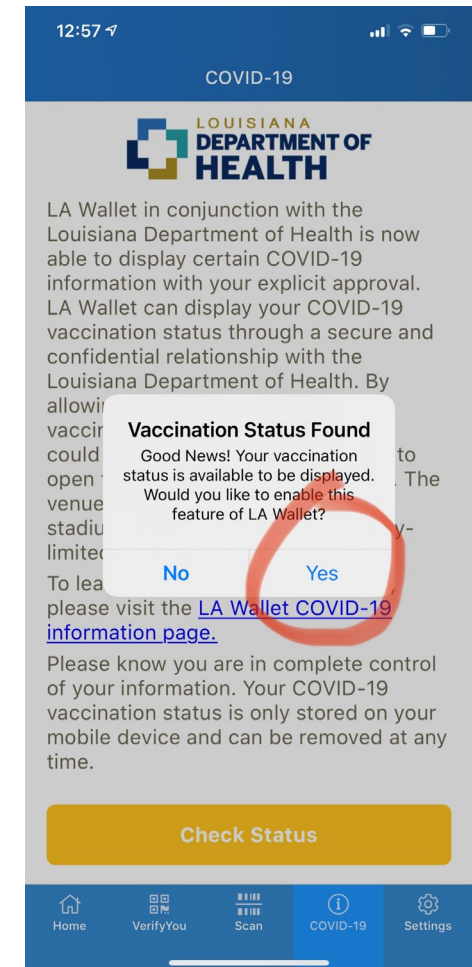
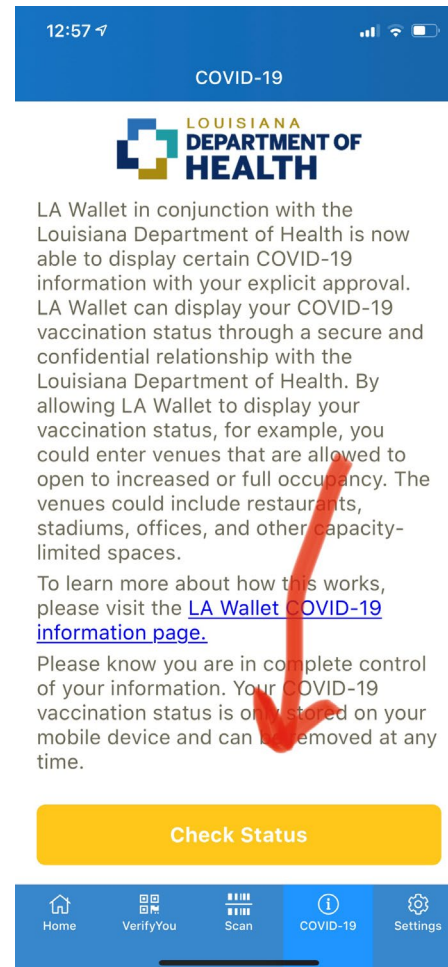
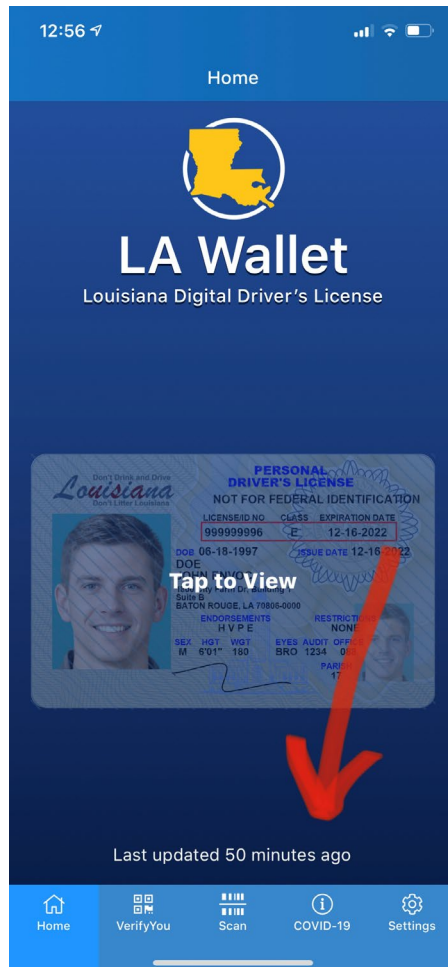
clientpartners@stchome.com



Quan Le

Louisiana





Success!



Dave McCormick

Indiana



My Vax Indiana

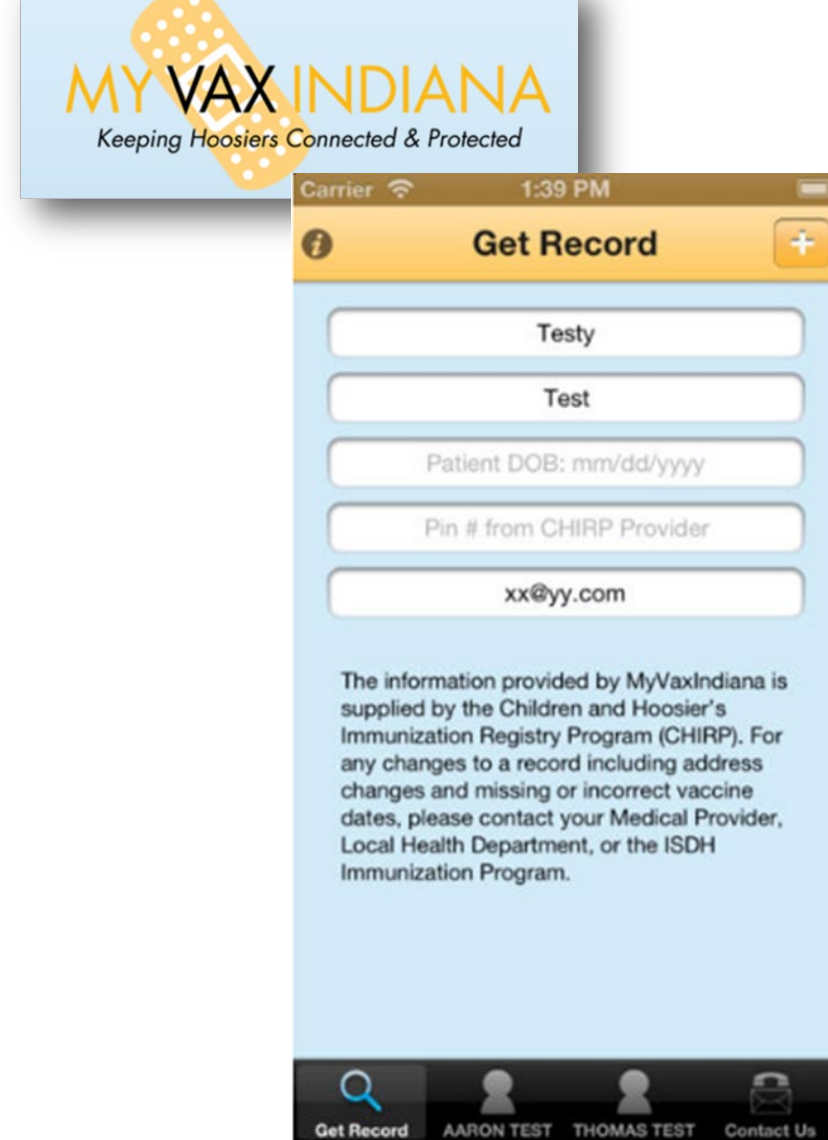
MyVaxIndiana



CHIRP & MyVaxIndiana.IN.gov

Patient Portal to vaccination records:

- Accessible 24/7 from any computer
- Opt-in program
- Must be set up in CHIRP by physician office
- www.MyVaxIndiana.in.gov
- Have patient load the app and try it before they leave the office.



How to Access MyVaxIndiana

1. Provide PIN to parent/guardian
2. Visit the MyVax website:
www.myvaxindiana.in.gov/
3. Click on “Find My Record”
4. Enter Information including PIN#



MyVaxIndiana Instruction Guide

PIN#
[REDACTED]

Thank you for using the MyVaxIndiana Immunization Portal. Below are the steps for accessing the record you have requested. Access to MyVaxIndiana has been provided to you through a registered CHIRP provider facility, or from the Indiana State Department of Health (ISDH). If you need help at any time, please contact your provider, or ISDH at the number below. An individual may access their own record or their dependents and in doing so declare under the penalty of perjury under the laws of the State of Indiana that the information provided to obtain access is true and correct, and that you are authorized to view persons Immunization history.

1. To begin you will need to access to the internet using web browser program. Application such as MS Internet Explorer, Firefox, and Safari will work.
2. In your browser open the page <https://MyVaxIndiana.in.gov>



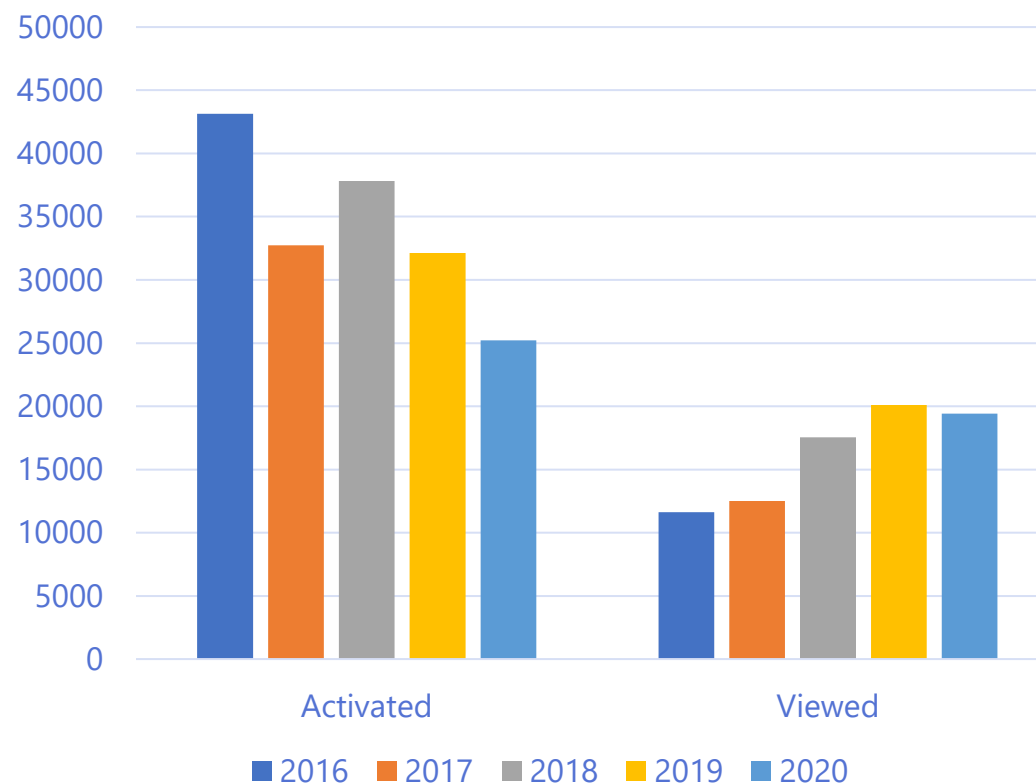
3. Select **Find My Record** to start a Immunization history lookup
4. Using the PIN# at the top of this form complete the Immunization Request page, if you would like to be included on Immunization Updates including Reminder/Recall notices, please add your email address.

Last Name:	First Name:	Middle Name:	Date of Birth:	Patient ID:
------------	-------------	--------------	----------------	-------------

Outcomes

- Established in 2012
- 272,561 Hoosier records have been activated
- 113,172 Hoosiers records have been accessed
- Strong relationship between provider and patient
- Lifespan registry

Activated vs. Viewed



For additional information, please
refer to our [quick reference guide](#)

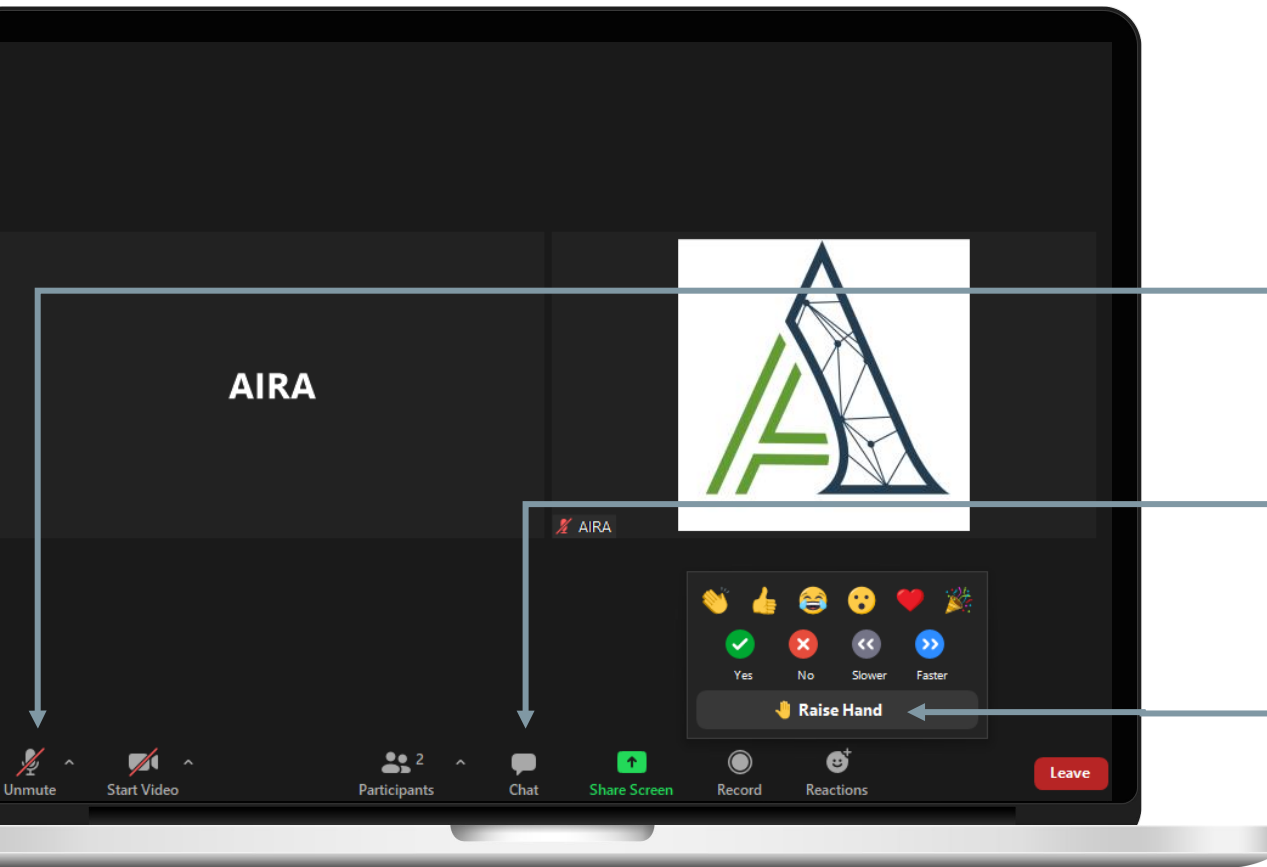
And Now A Few Questions For
All of You!



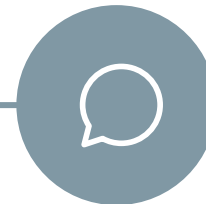
Question & Answer

How do I ask a question?

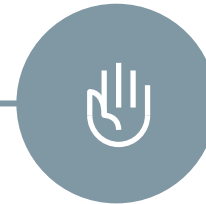
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Select the unmute icon and ask your question verbally.



Select the chat icon and type your question into the chat box.



Select the reactions icon, select "Raise Hand," and you will be called on.



What are your most significant questions around vaccine credentials (i.e., what keeps you up at night)?

Who is going to issue them?

availability of credentials

confidentiality

Too many independent initiatives

People who do not have smartphones or are fluent in smartphone.

Where to even start with this process. Seems like a daunting project to take on right now.

patient matching

securityauthentication

Will states cooperate with other states

What are your most significant questions around vaccine credentials (i.e., what keeps you up at night)?

What verification will be done to ensure that fraudulent results aren't shown?

How do we make sure that a company doesn't "mine" the data; that only individuals that verify identity are queried?

Reaching this individuals that do not want vaccines

Big Brother

Data integrity assurance

Cross jurisdiction; authentication and data quality and load on public health authority.

Do systems support standards-based vaccination credentials and will they work without requiring a patient to own a smartphone?

The amount of work it will take us to implement.

need a standard to follow...

What are your most significant questions around vaccine credentials (i.e., what keeps you up at night)?

Legislative preemption

Backload from paper

Too many siloed efforts

Non-tech savvy access

Authentication

Data quality

Can this information be tampered with?

security, accuracy of demographics in records

Data security

What are your most significant questions around vaccine credentials (i.e., what keeps you up at night)?

data integrity assurance

Not creating have's and have-not's

what the requirements will be/who will issue requirements is everything we're putting in place now change based on federal rules

Equity!

How much data cleaning/validation is needed

Workflow when patients aren't found. Wrong matches

Getting confirmed immunizations into vaccination credential issuers

data cleaning efforts

Patient matching.

What are your most significant questions around vaccine credentials (i.e., what keeps you up at night)?

Where do you even start!

education

Support standards instead of proprietary products or solutions.

help drive standardization

These webinars are great

Sponsor standards-based initiatives to create a consistent single specification

Which will be nationally or internationally recognized

Create a simple summary/comparison of the various initiatives.

Support the SMART Health Cards standard.

What are your most significant questions around vaccine credentials (i.e., what keeps you up at night)?

Work with CDC on a nationwide vision and strategy for consumer access

business model cost and benefits

Fact sheet to educate legislators on diff between credentials and passports

How can AIRA help organize these efforts?

Continued meetings with it as a focus

Common plate form

Help create standards

National standards around credentialing.

Blockchain hahahaha

National standards around credentialing

Offer more events like this.

Perhaps a workgroup specific to Consumer Access

continue to drive info share, bring different speakers.

How can AIRA help organize these efforts?

Have a demonstrations with other vendors

Integrated application. Information sharing

national credentialling, more meetings like this,

workgroups

National Standards!

National and international acceptance

National standards- more conversations!

Train on FHIR if that's going to be used for credentialing

speakers who address common issues with implementation

How can AIRA help organize these efforts?

Provide recommendations on
patient-reported immunizations



Thank you to our presenters, and thanks to all of you for joining us!

A brief evaluation survey will be sent out
following this webinar

The next Discovery Session
will be on May 24, 2021