



The Office of the National Coordinator for
Health Information Technology

How Immunization Information Systems Can Help Doctor's Offices



Agenda

- Immunization Information Systems
 - Meeting Meaningful Use
 - State Variation
- ONC and CDC Collaborations
 - Clinical Decision Support for Immunization (CDSi)
 - Cross Jurisdictional Data Exchange
 - Consumer Access
- Panelist Comments
- Questions

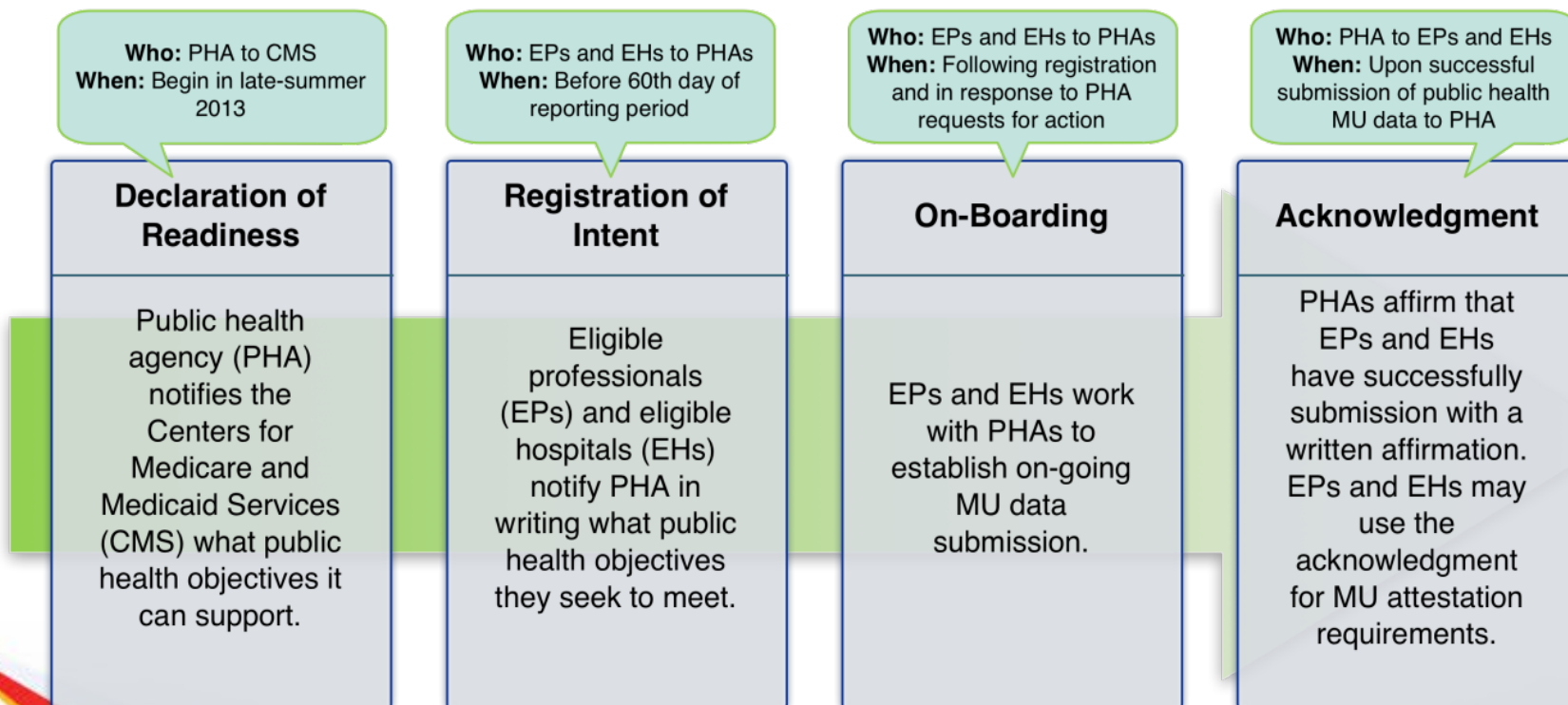


Immunization Information Systems

- Consolidated immunization history across providers
- Forecasting
- Produce official Immunization Certificate
- Vaccine inventory
- Interface with EHRs



Meeting MU through IIS





Find out about your state

Meaningful Use Stage 2 P... x

www.aphl.org/aphlprograms/informatics/Pages/MU2PHAReadiness.aspx

MUPHA Readiness Sites

PUBLIC HEALTH AGENCY	IZ-EH	IZ-EP	SS-EH	SS-EP	RLR	CAN	SPRE	READINESS DOC	NOTES
Alabama Department of Public Health	Yes	Yes	Yes	Yes	Yes	Yes	-	PDF - Alabama Department of Public Health Declaration of Readiness	
Alaska Department of Health and Social Services	Yes	Yes	Yes	No	Yes	Yes	-		
Arizona Department of Health Services	Yes	Yes	Yes	No	Yes	Yes	-		
Arkansas Department of Health	Yes	Yes	Yes	Yes	Yes	Yes	No		
California Department of Public Health	-	-	-	-	-	-	-		Refer to LHJ MU Capacity Matrix to determine the MU requirement eligible professionals and hospitals want to fulfill http://hie.cdph.ca.gov/lhj-matrix.html
Colorado Department of Public Health and Environment	Yes	Yes	No	No	Yes	Yes	-		CDPHE will not be supporting SS. However, Denver Public Health and Tri-County Health Department are supporting SS for facilities in their jurisdictions
Connecticut Department of Public Health	-	-	-	-	-	-	-	Exception Letter	DoH does not have the capacity to

This is not an official version of the data. Jurisdictional websites and points of contact for each jurisdiction are the only source of the official or verified data. APHL is not liable for discrepancies, errors or omissions, if any, found in the data included on this site. This information is neither associated with the Centers for Medicare and Medicaid Services' (CMS) repository related to determining whether a public health agency has the capacity to receive...

PHI-IIS-Consumer-....pptx | CDC_Nov182013 (2).pptx | PHI-IIS-Consumer-....pptx

Show all downloads...

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Making it easier to connect with IIS: Decreasing state variability

- Differing standards across states have been a challenge for EHR vendors and providers
 - Dose size, VFC status
- American Immunization Registry Association (AIRA) and CDC promoted new HL7 Implementation Guide to address and reduce variability (v 2.5.1, r. 1.5)
- Agreement among IIS to standardize on transport layer

Clinical Decision Support for Immunization (CDSi)

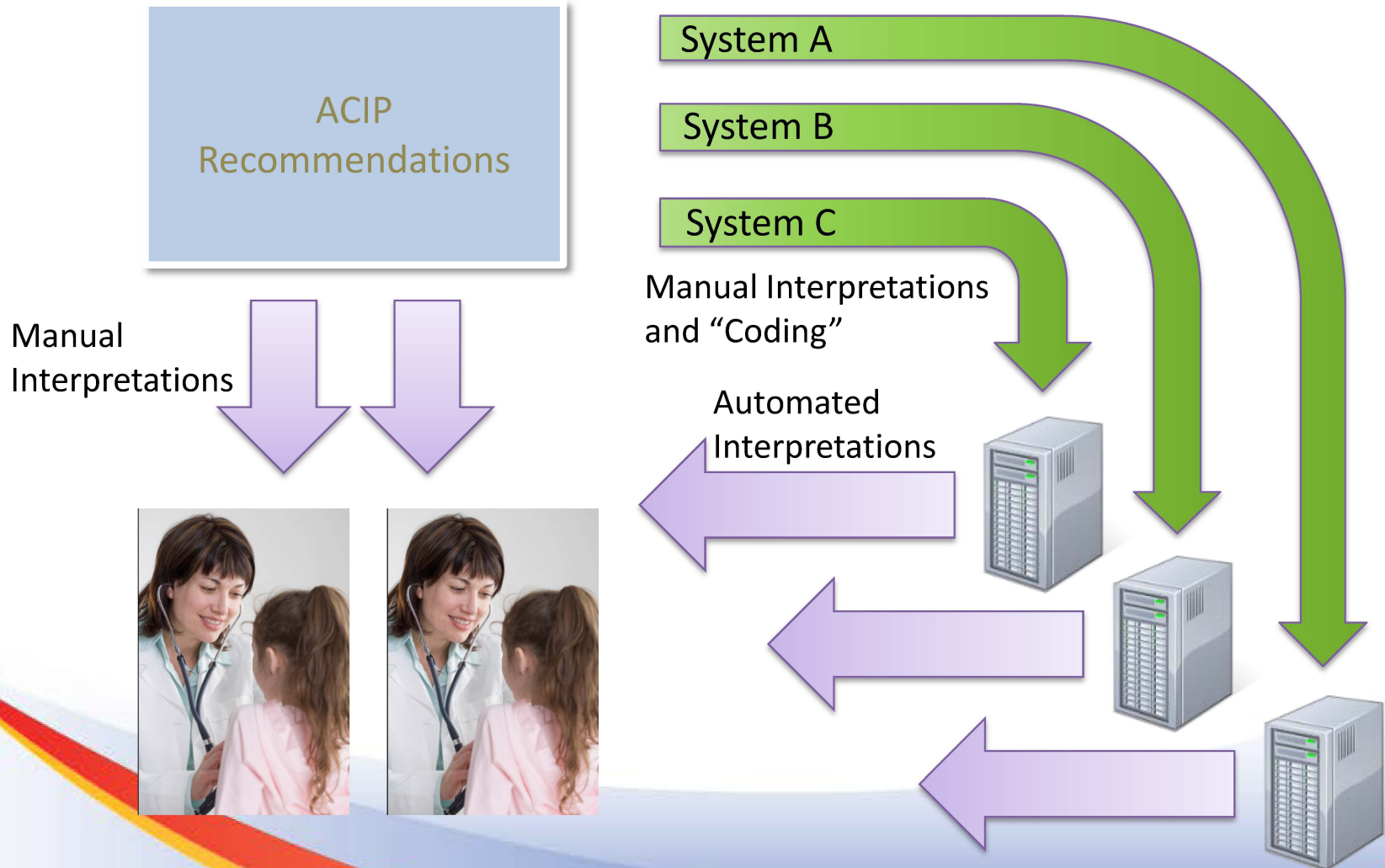


The CDSi resources bridge the gap between the scientific ACIP recommendations and the IT world of computer systems

- Designed to work in a wide variety of computer systems
 - Doesn't require a single tool to be used
 - Need to be able to support all software tools using ACIP logic
- Promotes consistent interpretation of ACIP recommendations in a wide variety of tools
- Helps ensure a patient's immunization status is current, accurate, and consistent regardless of where the provider is located in the US

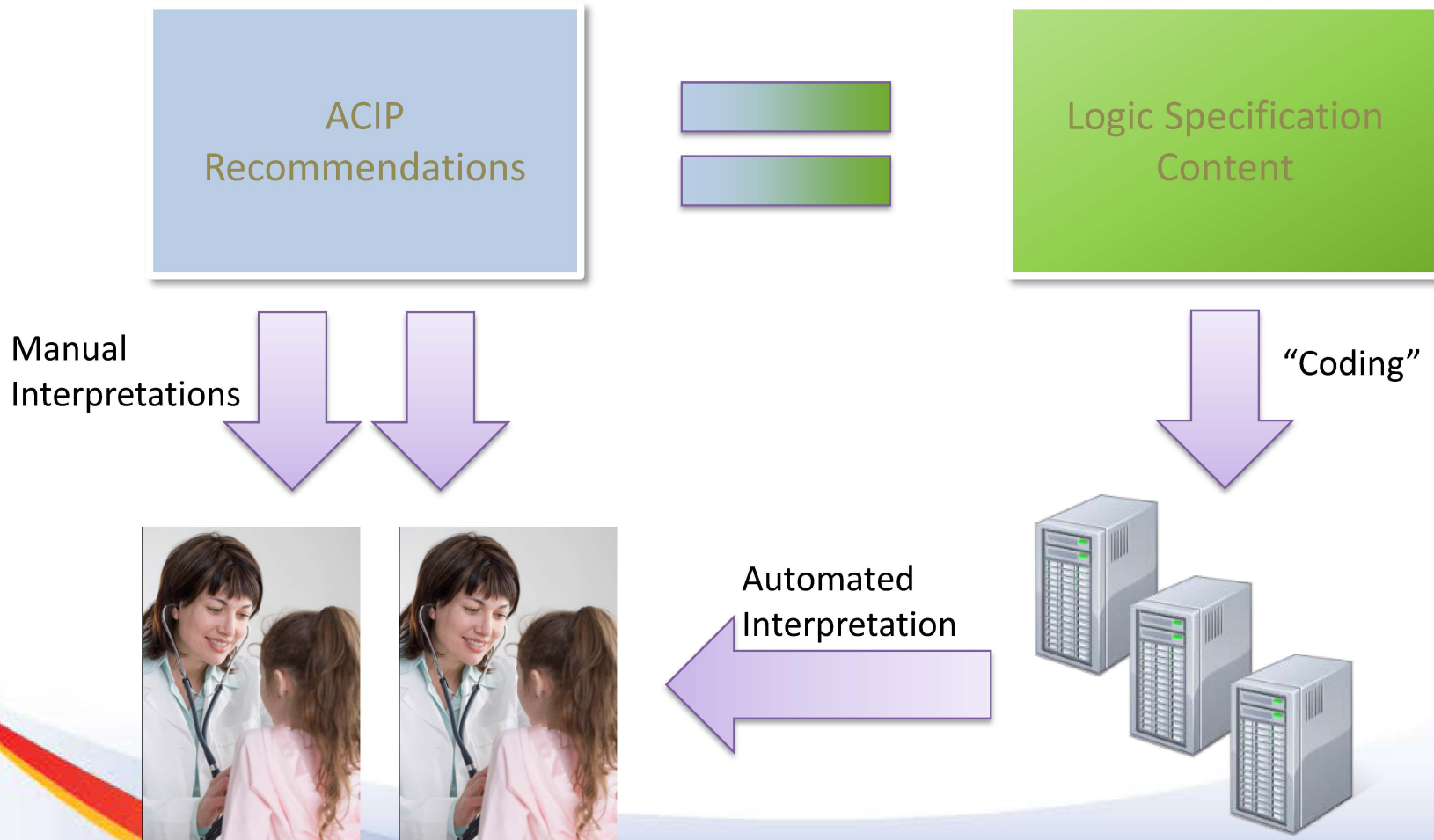


Former Model





How CDSi Bridges the Gap



Cross Jurisdictional Exchange of Immunization Data



Current IIS Data Exchange

- Limited exchange across jurisdictions
- This exchange is currently done point-to-point; mainly batch files; not real time

ONC Initiative

- Pilot states will transfer data via a data hub with partner jurisdictions
- Pilot states will use an adapted version of the CDC Web Services Definition Language (WSDL)
- Pilot states will use the HL7 Immunization Implementation Guide V1.5 (HL7 2.5.1 IZ IG V1.5)

Future?

- All IIS will interface with the hub and exchange data with all other IIS
- All IIS will use the adapted CDC WSDL and HL7 IZ IG V1.5

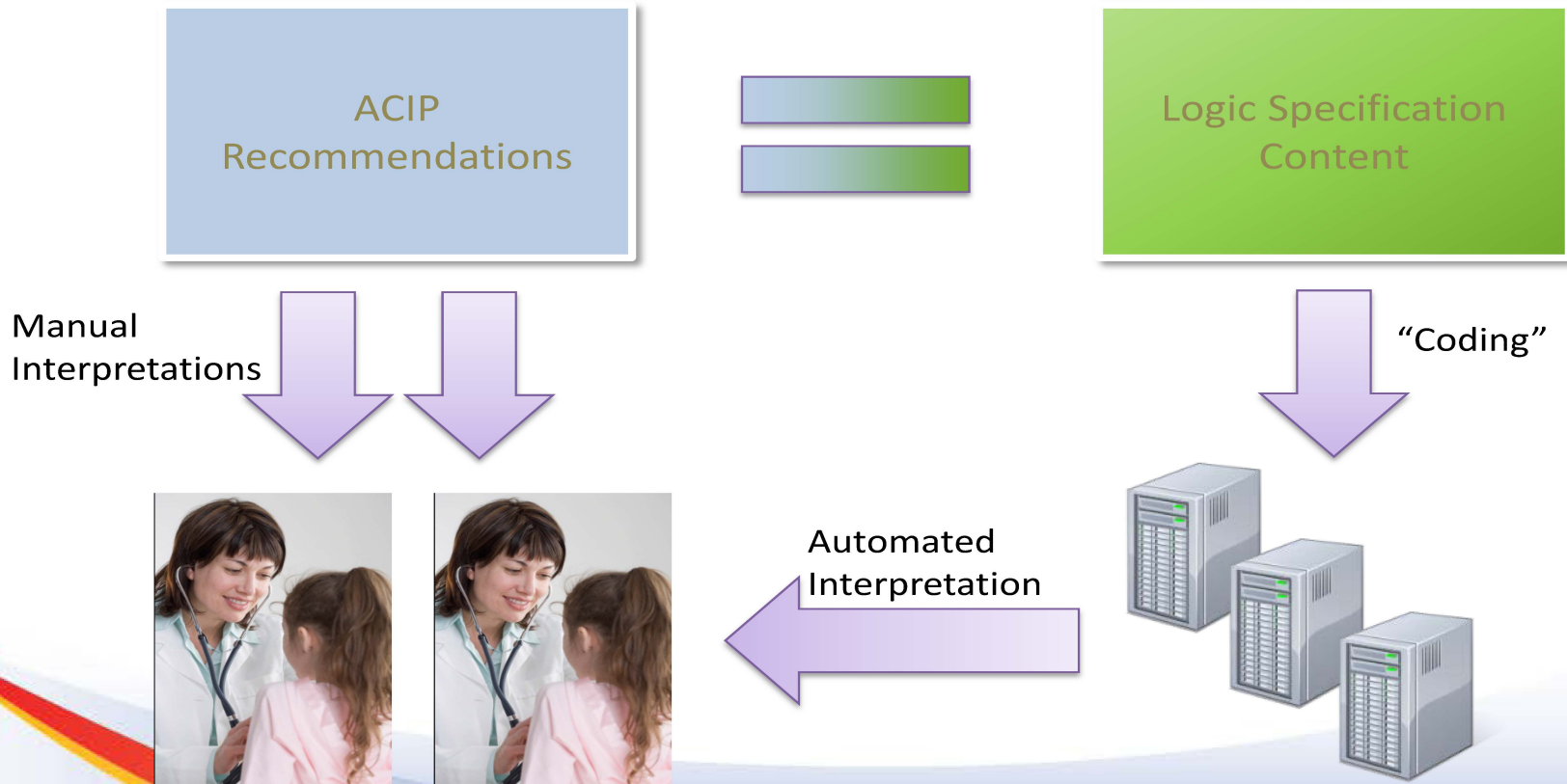
Advantage of HUBsolution:

- Promotes use of adapted CDC WSDL and HL7 IZ IG V1.5 which will drive interoperability
- Will improve use of bidirectional querying by IIS
- Scalable solution
 - More IIS can easily be added to the hub
 - IIS will be able to theoretically communicate with any other IIS on the hub

IIS Data Exchange Use Case Diagram



Use Case Objective: For an Immunization Information System (IIS) to respond to a transaction that contains current or historical addresses that are outside its jurisdiction by triggering a QBP or VXU to the other jurisdiction's IIS.





Consumer Access to IIS – Two models

- Access through IIS Portal
 - Stand alone IIS Portal for Consumers
 - Physician mediated authentication of patient
- Access through EHR Patient Portal or PHR
 - Interface with IIS to provide history and forecast
 - Trust EHR/PHR for authentication

Project deliverables posted at:

<http://www.health.state.mn.us/e-health/patientengage.html>



Consumer Access Pilots

- Indiana
- Alaska
- Washington
- Louisiana
- West Virginia
- Arizona



Confidently access your family's immunization records online.
ProgramName.com

web banner ad

I want my family's immunization records when I need them.



Now you can review and print your family's official immunization records online with [Program Name]. Getting started is easy. All you need to do is:

- 1. Register.** Complete a [Program Name] enrollment form online or at your healthcare provider's office.
- 2. Request.** Ask your healthcare provider to approve your request and set up your account.
- 3. Review.** Log in as soon as possible and activate your account. You'll have immediate access to your family's immunization records to view, download or print as often as you need.

Call or visit [Program Name] online for more information:

000-000-0000
ProgramName.com

I access my banking online. Now I can confidently access my family's immunization records, too.



Now you can review and print your family's official immunization records online with [Program Name]. Getting started is easy. All you need to do is:

- 1. Register.** Complete a [Program Name] enrollment form online or at your healthcare provider's office.
- 2. Request.** Ask your healthcare provider to approve your request and set up your account.
- 3. Review.** Log in as soon as possible and activate your account. You'll have immediate access to your family's immunization records to view, download or print as often as you need.

Call or visit [Program Name] online for more information:

000-000-0000 - ProgramName.com

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My patients need an easy, secure way to access their immunization records.



[Program Name] gives your patients access to their own and their families' immunization records.

- Reduce administrative workload for your staff.
- Empower your patients with more control over their immunization records.
- Simple, one-time enrollment process takes less than two minutes to complete!

To learn more or to participate in [Program Name], call or email [Contact Name, phone, email].

000-000-0000
ProgramName.com

[Program Name] gives you quick, easy and secure online access to your family's immunization records. It's ideal for:

- Proof of immunization for school or camp registration
- Seeing a new healthcare provider
- Tracking boosters and yearly vaccines, like the flu shot
- Managing immunization records for an elderly parent
- Preparing for foreign travel or moving to another country
- Being prepared in case of emergency

FOR OFFICE USE ONLY
Temporary Password/PIN:

Sign up today... it's easy!
Call or visit us online today:

000-000-0000
ProgramName.com

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For more information on Blue Button, please visit health.gov/bluebutton. The Blue Button, the Arrow, the Check My List, the Blue Button Logo, and the Blue Button Connector logo are registered Service Marks of the U.S. Department of Health and Human Services.

You need an easy way to access your family's immunization records.



Rx Inject more **CONVENIENCE** into your family's immunization records.
LOGO HERE



Getting started is as easy as 1-2-3. All you need to do is:

1. **Register.** Complete a [Program Name] enrollment form online or at your healthcare provider's office.
2. **Request.** Your healthcare provider approves your request and sets up the account while you're at their office.
3. **Review.** Log in as soon as possible and activate your account. You'll have immediate access to your family's immunization records to view, download or print as often as you need.

Now you can manage your family's immunization records online. When you sign up for [Program Name], you can use any trusted computer to view your up-to-date immunization records. You can also download or print an official copy. Why use [Program Name]?

It's easy.

Gaining access to your immunization records is simple. Just complete a [Program Name] enrollment form online or at your healthcare provider's office. Your healthcare provider then creates your account and, if you have not already set up your password, provides you with a temporary password/PIN. Log in as soon as possible to activate your account. You'll have immediate access to your family's immunization records. Best of all, you only need one login ID and password to access immunization records for your entire family.

It's convenient.

You may not need your immunization records often, but when you do, [Program Name] enables you to effortlessly download and print official copies as you need them, without an extra trip to your healthcare provider's office. Whether you're registering kids for kindergarten or summer camps, moving them into a new school district, seeing a healthcare provider for the first time, applying for state support such as WIC, or just wanting more control over your family's health records, [Program Name] has you covered.

It's secure.

Accounting your immunization records through [Program Name] is just as private and secure as banking or paying bills online. What makes [Program Name] so secure? First, you create your own password. This means that only you and those you choose to share it with can access your family's immunization records. Second, no other personal information is available through the tool. Your information is protected.

Provider Frequently Asked Questions

Rx Inject more **CONTROL** into your patients' immunization records.

- **What is [Program Name]?**
[Program Name] gives patients access to their own and their family members' immunization records, and allows them to download and print official copies to satisfy the requirements of schools, camps, state agencies, employers and others who require proof of immunization.
- **What are the goals of [Program Name]?**
[Program Name] aims to reduce the administrative burden of immunization records requests for you and your staff, improve immunization rates and empower patients to take greater control over their health.
- **How does [Program Name] work?**
[Program Name] is a consumer portal that connects with [State Name]'s immunization information system. The program allows patients to view and print official copies of their immunization records.
- **Does [Program Name] provide official immunization records?**
The immunization records provided by [Program Name] are official certificates that can be used to satisfy requirements by schools, camps, employers and others who require proof of immunization.
- **How much will it cost patients to use [Program Name]?**
[Program Name] is free for your patients and providers.
- **What is your role in [Program Name]?**
Your practice is vital to the success of [Program Name]. Your role includes educating consumers and creating awareness of [Program Name], communicating the benefits of using [Program Name] to access immunization records and approving patients' initial account requests.
- **Is it easy to register patients in [Program Name]?**
Registering patients in [Program Name] is a simple, one-time process that generally takes less than two minutes. Your office reviews and approves the application during the visit, matches records from the state immunization information system and provides each patient with a program user guide.
- **Can my patients pre-register for [Program Name]?**
Yes, patients may start the enrollment process online and your office can simply review and complete the application during the visit.
- **How long will it take to activate a patient's account?**
Activating a [Program Name] account is a two-step process that takes just minutes for you and your patients. First, your office reviews and approves the application during the visit. If the patient has not enrolled in advance, your office provides a secure, temporary password/PIN and a program user guide. Then the patient logs in at home or elsewhere and activates the account. The patient then has immediate access to family immunization records. —OVRB—

Technical Support Hotline 000-000-0000

Provider Frequently Asked Questions, continued

- **How soon will a patient be able to see their updated records following an immunization?**
The timeframe will vary depending on how frequently your office updates the state immunization information system. As soon as the immunization data has been moved into the system, it will be displayed in [Program Name].
- **Can any healthcare provider use [Program Name]?**
At this time, only [state registry] participants and their staff can access immunization records through [Program Name]. The state immunization program determines the eligibility of providers to participate in the program.
- **What if a patient identifies an inaccuracy in their immunization records?**
Patients should alert your staff to incomplete or inaccurate immunization records. Only you or your staff may update or add records in [state registry].
- **Does [Program Name] keep patients' records secure?**
Yes. Patients use a unique, temporary password/PIN to activate their account and set their own private password. No other personal information is available through the tool, and records can only be modified by you or your staff.
- **How long do patients have to activate their account?**
Patients have 10 days to log in to [Program Name] and activate their account. If they do not activate the account within 10 days, they will need to contact your office.
- **Does [Program Name] work with Blue Button?**
Yes. [Program Name] is Blue Button capable. Patients may use the Blue Button Connector to access the program. Blue Button is a way to get your health records electronically so you can review and share your health records to achieve your health goals. For more information please visit health.gov/bluebutton.
- **What if I need help authenticating a patient account?**
You and your patients may access a technical support hotline by calling (800 Number).
- **Who should I contact if I have further questions on [Program Name]?**
Additional information on the program is available at [URL].

Sign up today... it's easy! Call or visit us online today for additional information:
000-000-0000 • ProgramName.com

LOGO HERE



The Blue Button, the Arrow, the Check My List, the Blue Button Logo, and the Blue Button Connector logo are registered Service Marks of the U.S. Department of Health and Human Services.

Technical Support Hotline 000-000-0000

Learn how your patients can easily and securely access their immunization records online.

Insert Program Logo Here

Rx Inject more **SOLUTIONS** into your patients' immunization records.

[Program Name] gives your patients access to their own and their families' immunization records.

- Reduce administrative workload for your staff.
- Empower your patients with more control over their immunization records.
- Simple, one-time enrollment process takes less than two minutes for your patients to complete!

To learn more or to participate in [Program Name], call or email [Contact Name, phone, email].

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ProgramName.com





Panelist Comments/Questions
