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The Immunization Integration Program: Tackling Immunization Interoperability Challenges

AIRA Webinar
December 14, 2022
3 PM EST



The Immunization Integration Program – Tackling Immunization Interoperability Challenges

Your Gateway to Immunization Interoperability

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HIMSS™



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Meet Our Speakers



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Immunization Integration Program (IIP)

Learning Objectives

- Gain insight into CDC's strategic vision related to immunization interoperability
- Learn how partnerships and collaboration identified high priority immunization interoperability challenges to be addressed by the Immunization Integration Program (IIP)
- Understand how the IIP is an applied example of support for healthcare and public health interoperability
- Learn how to get involved with the IIP

CDC's Informatics and Data Analytics Branch (IDAB)- "Proposed" - Vision & Focus Areas

IIS support the **standardized capture, exchange, and use of high-quality, individual-level** immunization data for all doses of ACIP*-recommended vaccines.

Data Collection & Management

Develop governance; policy and strategy; and data quality standards in support of collecting, managing, and sharing national IIS data

Data Use

Assess, analyze, and use data to drive public health action across the IIS community, including jurisdictions, providers, and partners

Technology & Standards

Identify and develop new systems, tools, and standards, and support and modernize existing systems to improve performance, ensure consistency, and achieve mission goals

Community Engagement & Support

Accelerate the enhancement and performance of IIS by convening key stakeholders to develop guidance, identify best practices, and collaboratively solve problems

IIP Alignment to CDC Branch Priorities

CDC's IDAB (proposed) sponsors the IIP and works with AIRA to carryout project activities. IDAB (proposed) uses the IIP effort as a strategy to achieve the Branch's vision to support and ensure **IIS can standardize the capture, exchange, and use of high-quality, individual-level immunization data for all doses of ACIP*-recommended vaccines.**

IDAB (proposed) Focus Areas

Technology and Standards

- **IIP Testing and Recognition:** Enhance electronic health record (EHR) capabilities to improve data quality, clinical efficiency and usability, and patient access, thereby enhancing immunization rates

Community Engagement and Support

- **IIP Collaborative:** Convene key immunization and EHR stakeholders to tackle common issues and recommend solutions to improve immunization interoperability

IIP Background & Evolution



Immunization Integration Program (IIP)

Goals & Strategies

- Advance immunization capabilities in EHR products to improve data quality from the point of vaccination to data submission to public health
- Improve interoperability between IIS and EHRs
- The IIP leverages two strategies to achieve project goals:
 - The Testing and Recognition initiative gives EHRs the opportunity to validate their product's ability to successfully exchange immunization data with IIS.
 - The Collaborative brings together stakeholders from the IIS and EHR communities to tackle and identify solutions for common interoperability issues.

IIP

Convening Partners

CDC, AIRA, HIMSS,
Drummond & SME
Consultants

Volunteers

Executive Committee,
Technical Council,
Workgroups & SMEs

Improve Immunization Interoperability

Testing & Recognition

Allows EHRs to
demonstrate and be
tested for immunization
capabilities – including
exchanging data with IIS

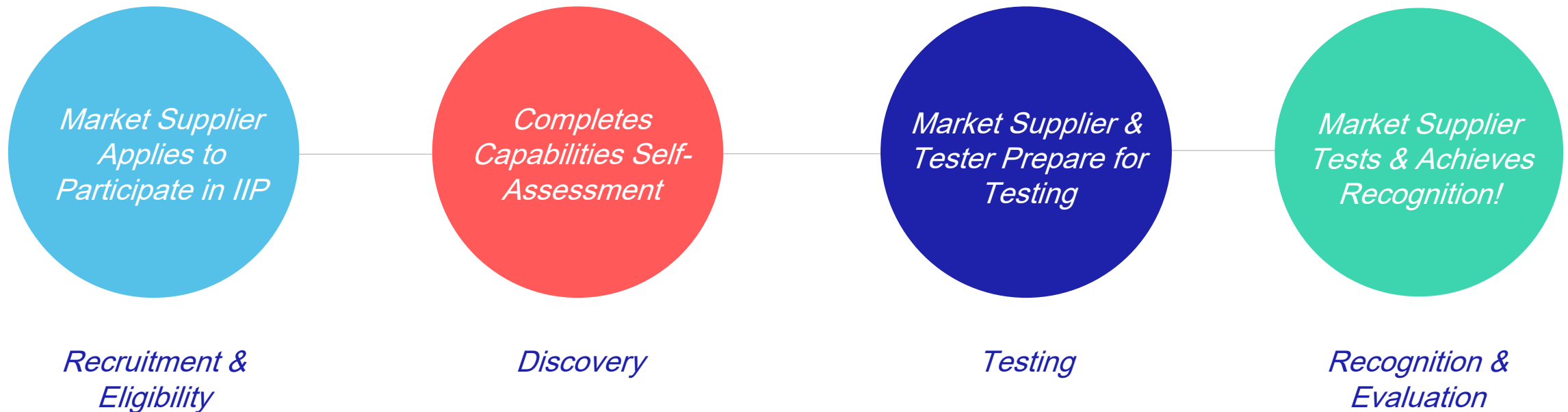
Approved alternative
testing for ONC (f)(1)
certification and
additional capabilities &
workflows

Collaborative

Forum to develop
interoperability
recommendations & solutions

Immunization Integration Program (IIP)

IIP Testing & Recognition Initiative



Approach to IIP Collaborative Issue Selection



Aug 2022

- Revisit issues to consider, partner, refer, stay informed or postpone
- Update screening & prioritization criteria
- Discuss approach & remaining issues with CDC
- Launch 2-week new issue entry period



Sept 2022

- Launch process with IIP Executive Committee
- Categorize & screen new issues with the CDC
- Prepare issue descriptions and scoring tool



Oct 2022

- IIP Executive Committee scores Collaborative issues
- Project Team & CDC review scores
- CDC selects 2023 Collaborative issues



Nov 2022

- Announce final issue selection at Executive Committee meeting
- Collaborate with CDC to plan for new Collaborative issue workstreams

Prioritization Criteria

Level of impact on data quality, patient safety and public health

Impact on EHR-IIS interoperability and information sharing

High-priority issues for partner groups: public health IIS managers & immunization program managers, IIS technology partners, health IT developers, clinicians & clinic staff, and HIEs

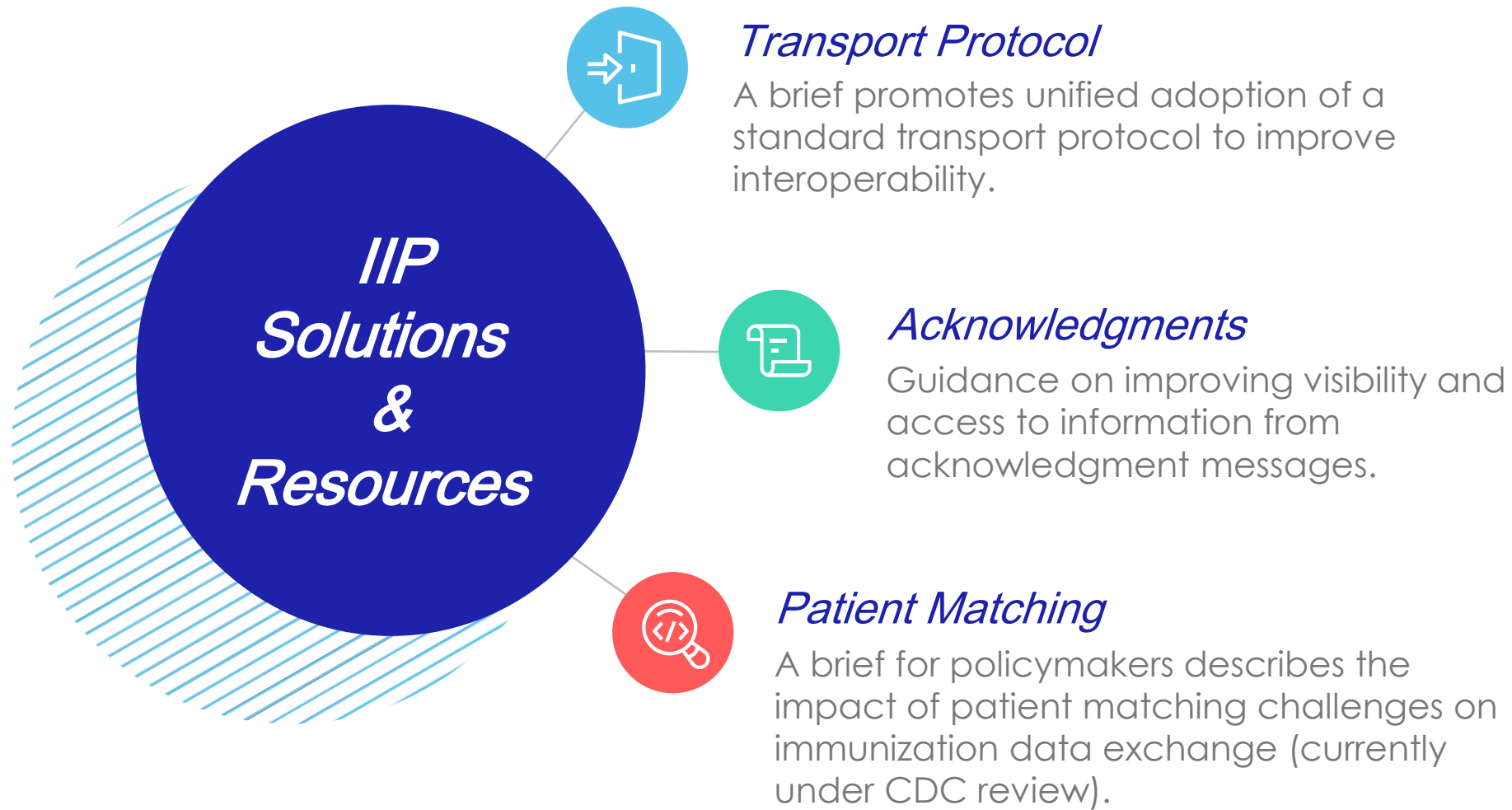
Severity of burden associated with current state for partner groups: public health IIS managers & immunization program managers, IIS technology partners, health IT developers, clinicians & clinic staff, and HIEs

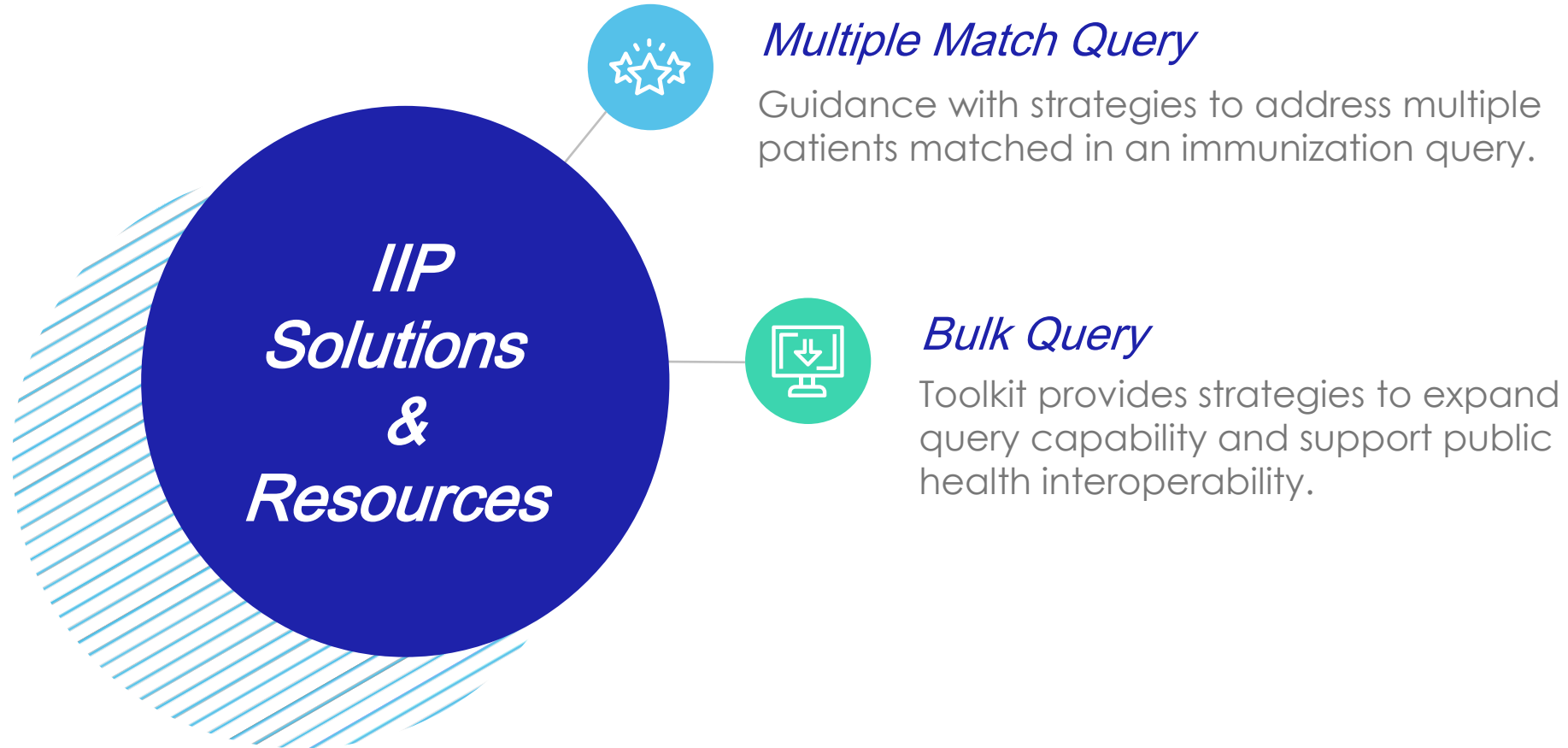
Feasibility of achieving consensus on and developing a solution

Feasibility of implementing and adopting a solution

Ability to effect change through policy and other levers

Ability to yield measurable outcomes, leveraging existing measures where appropriate (e.g., IIS annual data report, others)





2023 IIP Collaborative Priorities

ON THE HORIZON

1

Immunization Data from Pharmacies

Address bi-directional immunization data exchange challenges between pharmacies and IIS. Efforts will launch with a landscape analysis to understand interoperability challenges and identify immunization-related capabilities for the IIP Testing & Recognition initiative to consider for future testing of pharmacy market suppliers.

2

Immunization Submissions Prior to the Assignments of Legal Baby Name

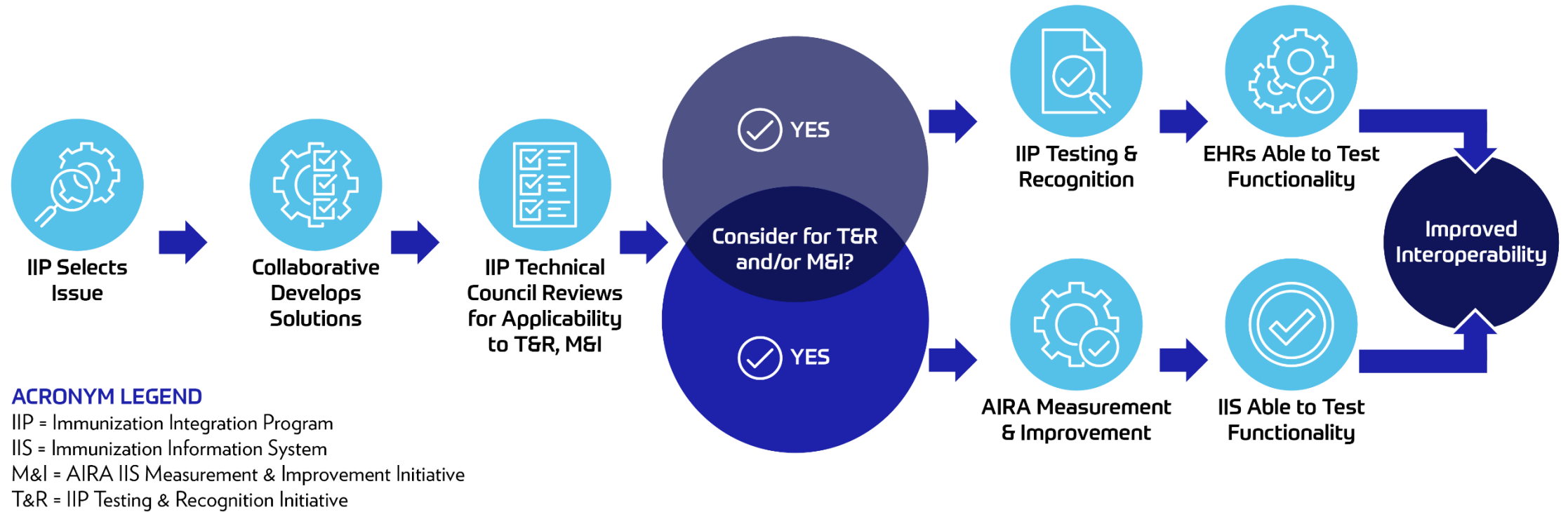
Identify best practices and triggers for sending demographic update messages to the IIS once a legal name is assigned.

3

Triggers which Prompt Submission or Query Messages from EHRs to IIS

Develop and promote appropriate triggers for IIS queries and submissions aimed to reduce burden on the IIS and support point of care and public health decision-making.

IIP Pipeline Approach

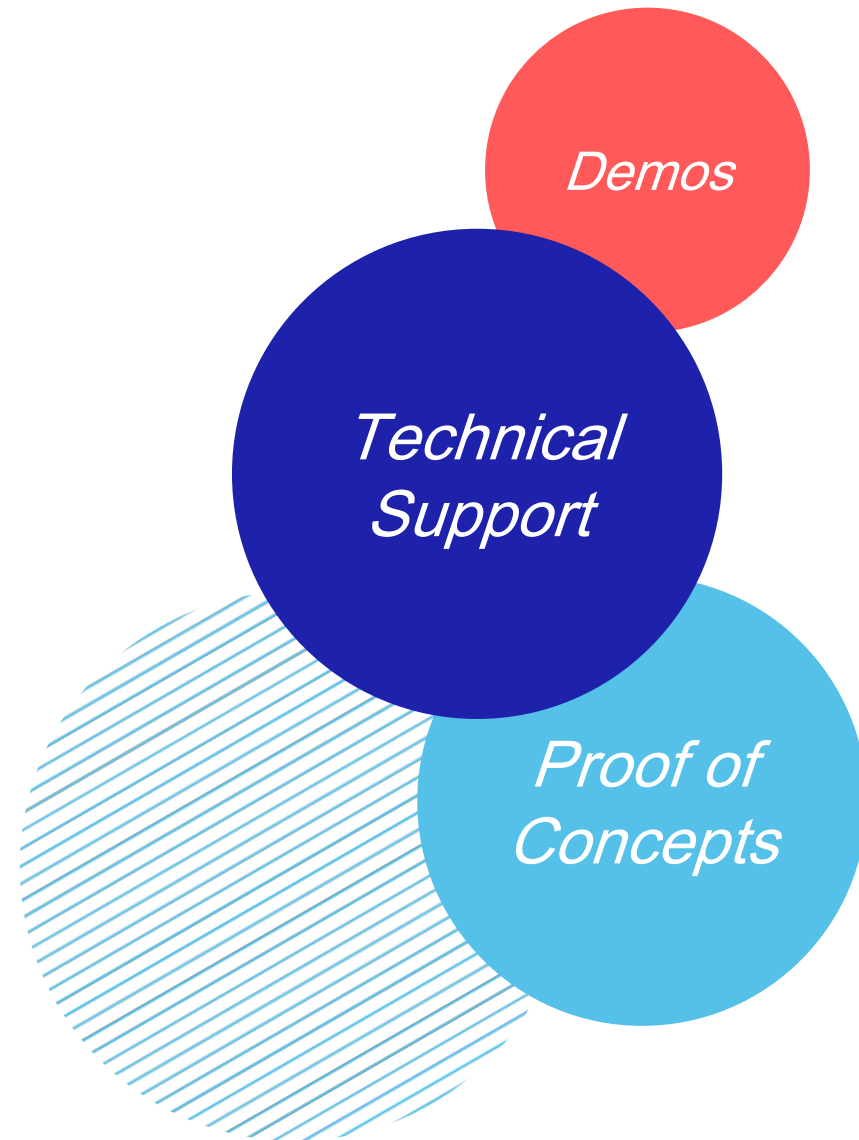


Systems of Support

IIP Solutions into Practice

Through partner collaboration, IIP is exploring opportunities to promote solution adoption and support implementation.

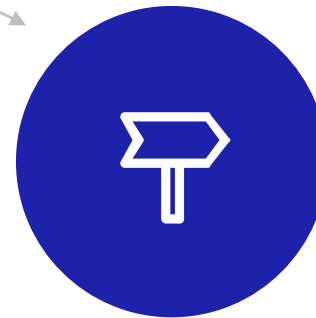
Immunization Integration Program (IIP)



Partnerships at the Core

IIP Executive Committee, Technical Council, Workgroup Members

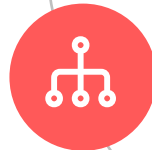
Leverage partner networks to promote solution adoption.



Improve Immunization Interoperability

Join us! There are many ways to get involved with the IIP!

CDC as Key Partner & Sponsor



ONC, EHRA, Others

Convene regularly with federal and national partners to stay current on synergistic efforts.




Industry SMEs

Convene experts to gain real world insight and experience.

Immunization Integration Program (IIP)

Audience Q & A



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

Please complete a brief evaluation survey.