

The Immunization Integration Program & Pipeline Approach: The ACK Journey

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HIMSS™



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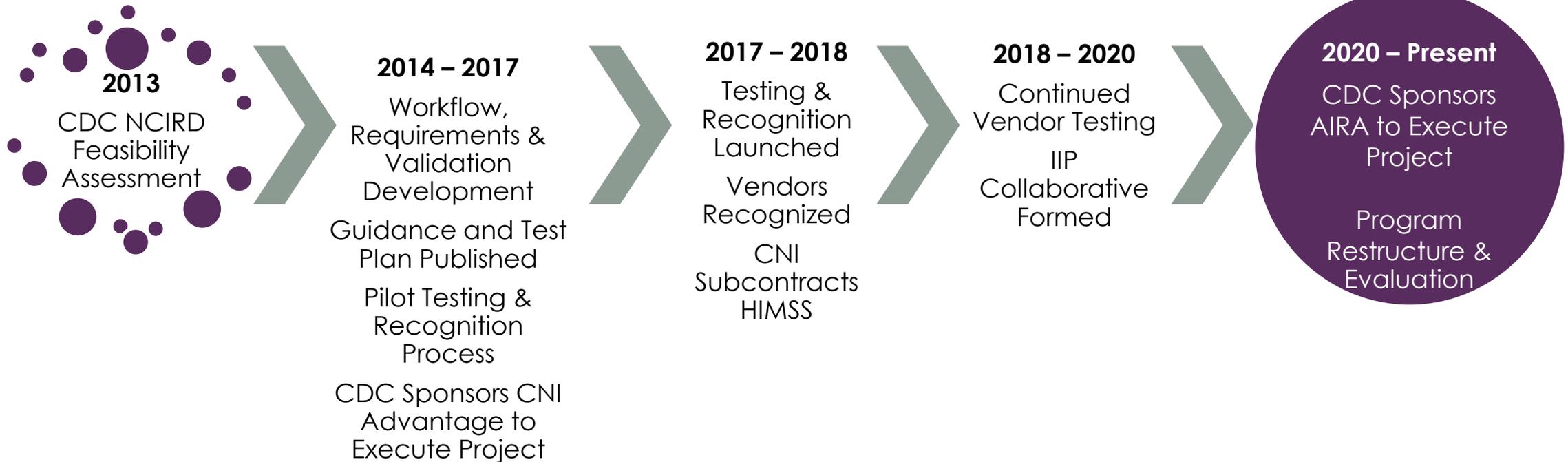


Welcome and CDC Perspective

Kafayat Adeniyi, MPH

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IIP Background & Evolution



IISSB Vision for the Future & Focus Areas

Vision for IIS Future

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

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Key Focus Areas

Data Collection and Management

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

Data Use

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

Technology Tools, and Standards

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

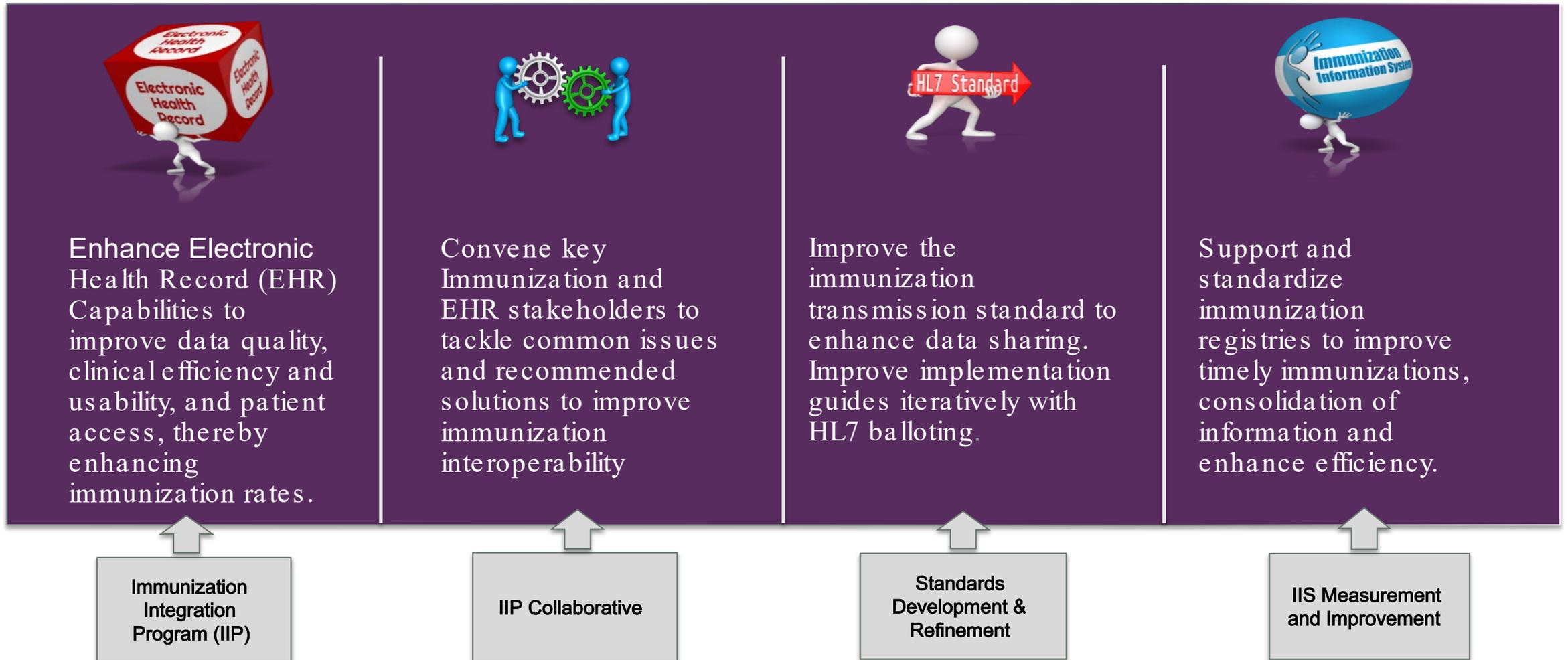
Community

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

Branch Operations and Culture

Hone internal operational excellence and cultivate collaborative culture as Branch experiences rapid growth

Select Strategies for Improving Data Quality



Summary of CDC Sponsored AIRA Projects



Project Partners



Centers for Disease Control and Prevention

Project sponsorship, expertise & support



American Immunization Registry Association (AIRA)

Project leadership and immunization-related expertise



Healthcare Information & Management Systems Society (HIMSS)

Project management, marketing & communications, trusted voice in health information & technology community



Drummond Group

Clinical software vendor testing experience



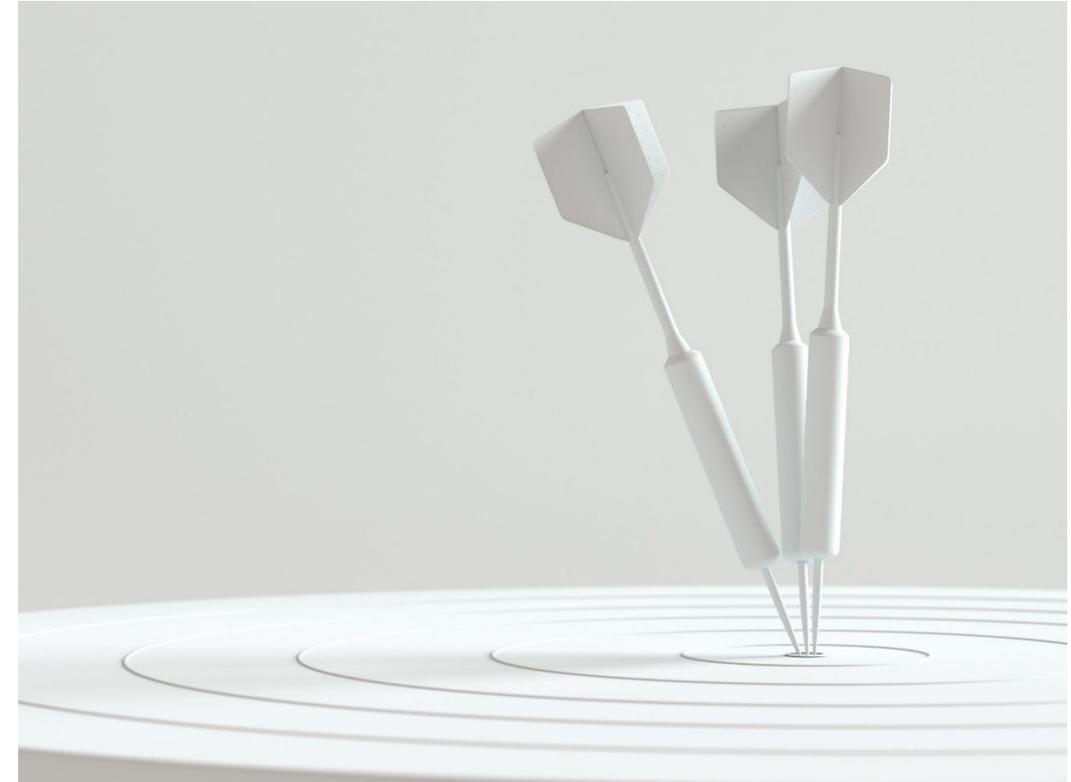
Consultants and SMEs

Technical, clinical & evaluation expertise

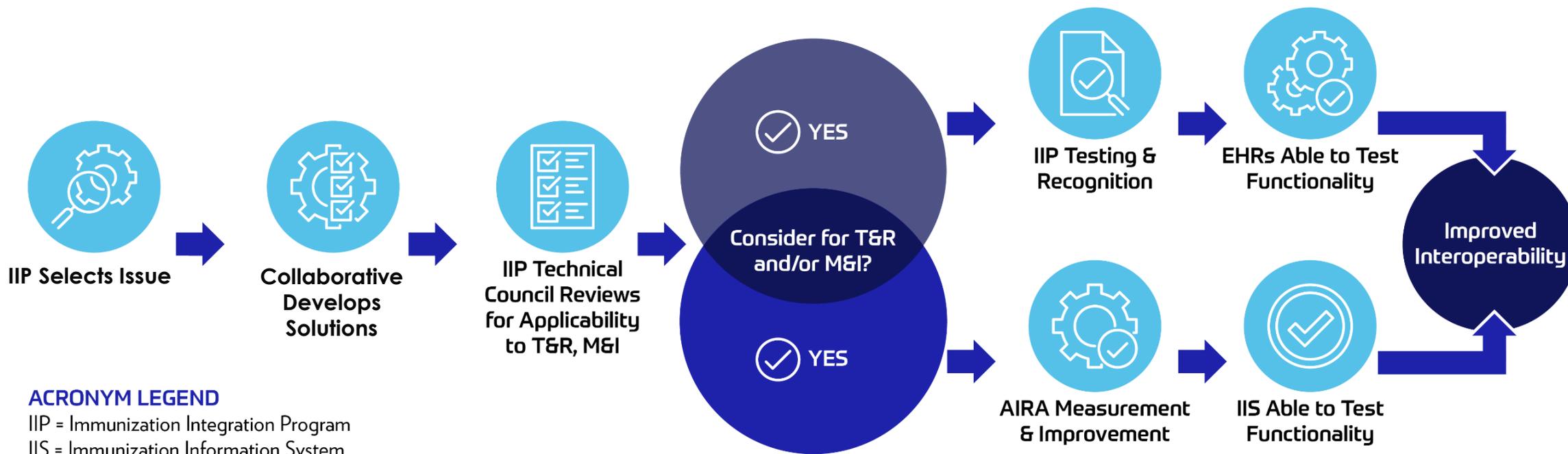
IIP Goals & Strategies

Goal: Improve interoperability between EHRs and IIS

- Strategies:
 - **Testing & Recognition Initiative** - demonstrate and be tested on immunization capabilities
 - **Collaborative** – diverse forum to develop interoperability recommendations and solutions
- Evaluation and Communication



IIP Pipeline Approach



ACRONYM LEGEND

- IIP = Immunization Integration Program
- IIS = Immunization Information System
- M&I = AIRA IIS Measurement & Improvement Initiative
- T&R = IIP Testing & Recognition Initiative

Acknowledgment Message Handling

- Goal: Improve quality, completeness of immunization data both within the IIS and the healthcare provider setting
 - Increase awareness and usage of acknowledgment messages
 - Decrease immunization message errors and rejections
 - Diverse volunteer workgroup developed guidance on how to generate and interpret message reports
 - Promote and validate the guidance through partner pilot opportunities
 - IIP partnered with CT-WiZ to improve data quality by developing post-production data quality reports for providers using the IIP guidance



IIP Selects Issue



**Collaborative
Develops
Solutions**

IIP Executive Committee & Technical Council

- **Executive Committee**

- Surface, explore and prioritize issues to be addressed
- Achieve consensus on solutions and promote communication and adoption
- Selected acknowledgment messages to be addressed, approved ACK guidance

- **Technical Council**

- Bring real-world experience in implementation, interoperability, conformance testing, standards and software development
- Assess and gain consensus on updates to the Testing & Recognition Initiative
- Serve as technical subject matter experts for Collaborative issues
- Reviewed and approved ACK guidance for inclusion in T&R test plan



IIP Selects Issue



IIP Technical Council Reviews for Applicability to T&R, M&I

IIP Testing & Recognition

- Goal: Facilitate the adoption of consensus immunization-related capabilities within EHRs to improve clinical decision-making and information sharing with IIS
 - Alternative testing method for ONC (f)(1) certification and includes additional measures
 - Parallels AIRA's Measurement & Improvement initiative to measure and test IIS alignment with recognized standards
- Test plan update and relaunch
 - Acknowledgment summary reporting added as a Discovery Capability
 - Testing a pilot vendor to learn how vendor is using acknowledgment messages



IIP Testing & Recognition



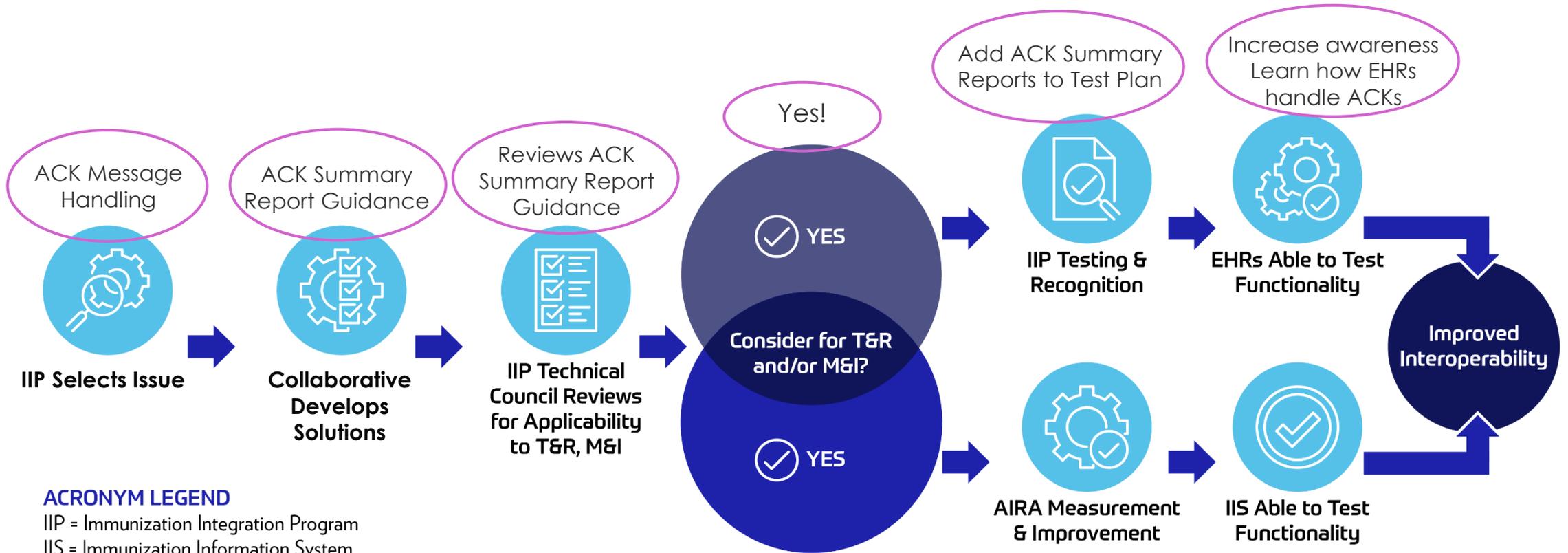
AIRA Measurement & Improvement



EHRs Able to Test Functionality

Immunization Integration Program (IIP)

The ACK Journey



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2022 Collaborative Priorities

1

Access Bulk Query Data from IIS

Large provider organizations and health payers would benefit from a standardized way to access large amounts of IIS data for their patients/members.

2

Data Validation & Reasons for IIS Rejections

Inconsistency in how data is entered, or missing fields can cause IIS to reject immunization messages.

3

Capture of Race & Ethnicity

The capture of race and ethnicity is uneven across the immunization information ecosystem.

4

Regular Updates of Code Sets

Out of sync code sets between data exchange partners (e.g., NDCs for annual flu vaccine) can impede data interoperability including preventing patients' vaccinations from being recorded properly.

Key Points & Next Steps

- The IIP engages diverse partners to develop solutions to common interoperability challenges
- Using a pipeline approach, Collaborative solutions are assessed for inclusion in testing processes to promote and validate data exchange best practices
- Next Steps:
 - Develop solutions to 2022 interoperability challenges
 - Assess solutions for inclusion in Testing & Recognition and/or Measurement & Improvement
 - Raise awareness and offer assistance with solution adoption

Thank you!

Immunization Integration Program (IIP)

Have questions? Want to help?

Connect with us to explore opportunities to become a pilot site, early adopter, or workgroup participant!

- Visit
 - www.himss.org/iip
 - www.immregistries.org/immunization-integration-program
- Email IIP@HIMSS.org