
Helios Update

April 20, 2023



HELIOS FHIR Accelerator



Helping public health to align with and benefit from the widespread standardization and transformation that is happening around digital health data

01 Multi-Sector Alliance

Diverse teams—across public health, healthcare, philanthropic organizations, and the private sector—work together to tackle longstanding challenges and explore new opportunities to advance interoperability.

02 Align Efforts

Align with and address known gaps in the FHIR standard to help promote more flexible and effective data exchanges with healthcare, the public, and other sectors beyond public health.

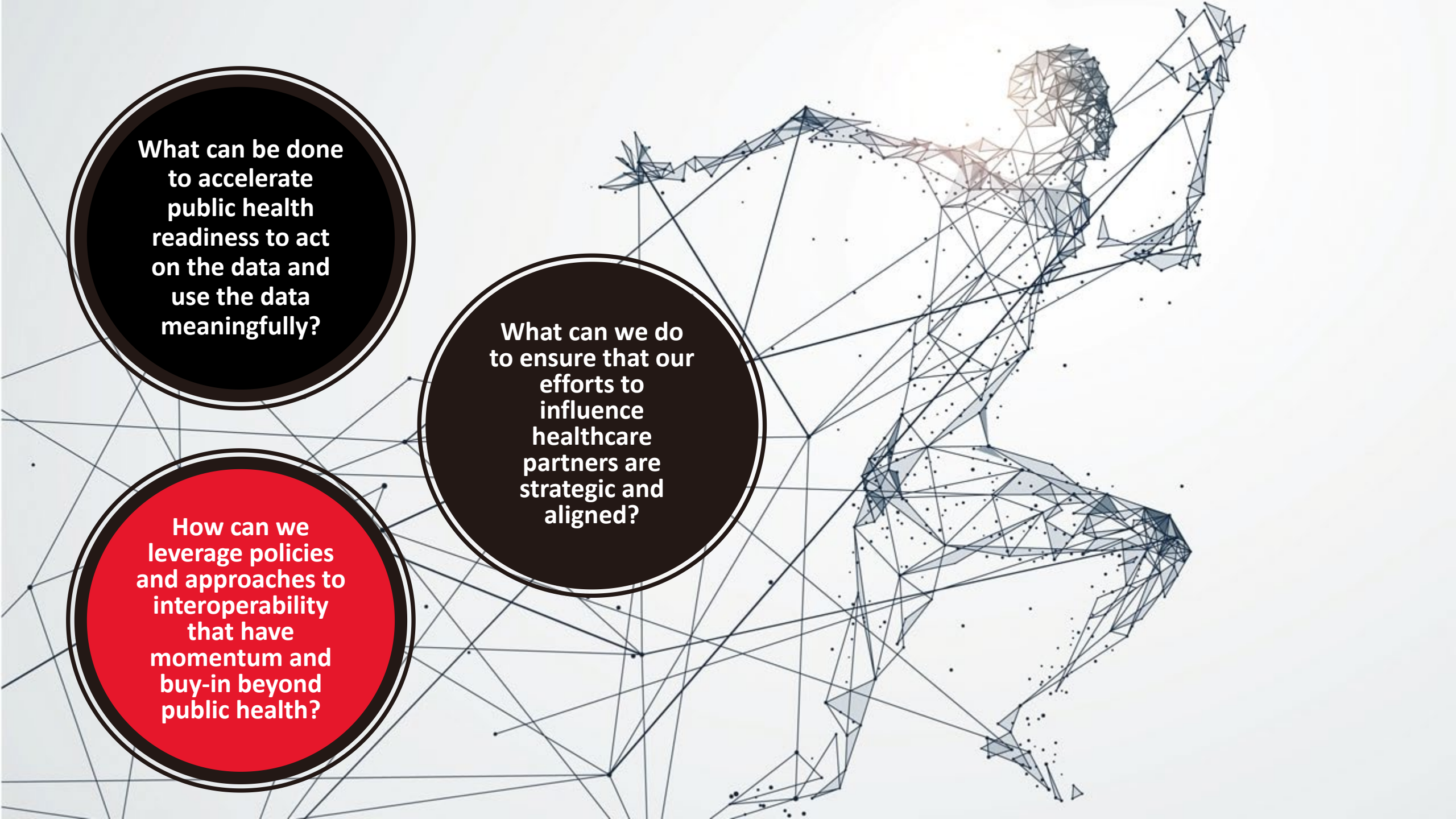
03 Focus on Impact

Prioritize a small set of use cases that complement what exists today and make it easier for public health officials to act swiftly, share insights effectively, and have a greater impact in their communities.



GOAL

Meet the needs of today and adapt to the unanticipated demands of tomorrow.



**What can be done
to accelerate
public health
readiness to act
on the data and
use the data
meaningfully?**

**What can we do
to ensure that our
efforts to
influence
healthcare
partners are
strategic and
aligned?**

**How can we
leverage policies
and approaches to
interoperability
that have
momentum and
buy-in beyond
public health?**



**We need to strengthen
every link in the chain.**

Make Data in Public Health Systems Accessible in Bulk



Goals

- ❑ Enable authorized users of IIS data—such as healthcare partners, private sector payers, state Medicaid programs and schools—to **access complete, accurate, and timely immunization history information** on their patients and member populations in a **consistent way across immunization programs** using modern standards (bulkFHIR APIs), while reducing burden.

Who is Actively Engaged

- ❑ IIS Vendors
- ❑ EHR Vendors
- ❑ State Immunization Programs
- ❑ Payers
- ❑ AIRA
- ❑ Federal Partners

Year 1 Deliverables

By Summer 2023, Helios members will develop, test, and deliver initial guidance to support **real-world implementation of bulk FHIR APIs** within the IIS community.

Key Steps

- 1 Document IIS architecture and business needs surrounding patient list creation
- 2 Work beyond public health to identify common strategies for bulk patient matching
- 3 Recruiting key partners and planning activities for piloting the use of bulk FHIR

Deliver Aggregate Information to Public Health



Goals

- ❑ Provide mission-critical situational awareness information to public health to support both emergency response and ongoing monitoring needs
- ❑ Test standardized and scalable ways of providing high-quality, timely, and on-demand summary data (e.g., bed count, supply inventory, and other sentinel indicator measures) in ways that lessen the strain on both healthcare and public health.

Who is Actively Engaged

- ❑ HIT/EHR Vendors & Tech Partners
- ❑ STLTs
- ❑ Federal Partners

Year 1 Deliverables

By Spring 2023, Helios members will a) identify gaps in and make enhancements to existing FHIR standards for generating measures and measure reports and b) pilot the use of these enhanced standards for a prioritized set of sentinel indicators.

Key Steps

- 1 Identify priority measures for proof-of-concept work
- 2 Test FHIR-native and/or CSV to FHIR approach to sharing data
- 3 Recruit key partners and plan activities for testing the exchange of aggregate data

Align and Optimize Public Health Data Sharing



Goals

- ❑ Demonstrate how specific FHIR-based paradigms can help meet high-priority public health needs
- ❑ Prioritize a set of standards and building blocks that can meet the identified high-priority needs and test the use of these standard & building blocks
- ❑ Inform development of the forthcoming Federal FHIR Roadmap and FHIR Roadmap for Public Health

Who is Actively Engaged

- ❑ EHR Vendors:
- ❑ STLTs
- ❑ CSTE
- ❑ Federal Partners

Year 1 Deliverables

By Spring 2023, Helios members will develop a decision framework that will help a) public health to lay out their specific data needs, b) technology solution providers to communicate and demonstrate optimal, FHIR-based approaches for meeting these needs, and c) both parties to unpack major considerations (policy, tech, etc.).

Key Steps

- 1 Solicit more input on use cases, standards, & building blocks
- 2 Review standards and building blocks to assess feasibility and suitability
- 3 Identify key partners, activities, and milestones for future testing and pilots

Helios Aggregate Data Resources

Helios FHIR Accelerator for Public Health

How to get involved – who to contact

Helios **Email Inbox:** helios@hl7.org

Helios **Conference Calls:** <http://www.hl7.org/concalls/index.cfm>

Helios **Confluence** Page: <https://confluence.hl7.org/display/PH/Helios+FHIR+Accelerator+for+Public+Health+Home>

Helios **HL7 Homepage:** <https://www.hl7.org/helios/>

Helios **Zulip Chat:** <https://chat.fhir.org/#narrow/stream/307807-Helios-Accelerator>

Helios **HL7 ListServ:** <http://www.hl7.org/myhl7/managelistservs.cfm> (manage your own ListServ subscriptions)

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Thank you for joining today!

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