

I-PHIX

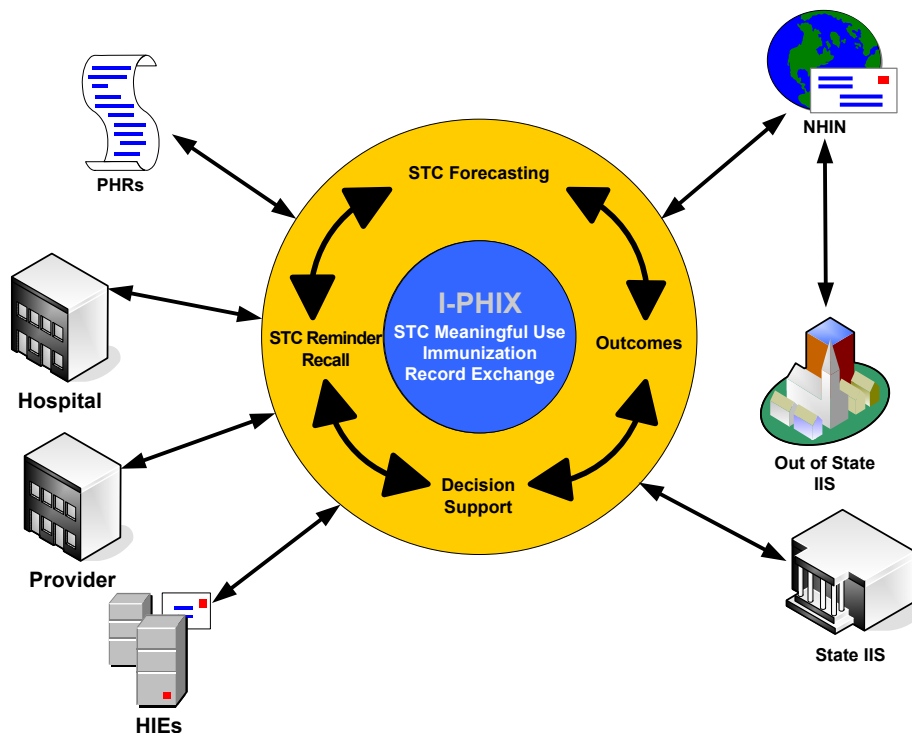
Scientific Technologies Corporation's Immunization Public Health Information Exchange Solution to meet and exceed meaningful use guidelines and improve population health outcomes.

I-PHIX enables achievement of immunization stages 1 and 2 meaningful use objectives and provides the platform for achieving stage 3 and beyond.



The STC Immunization Public Health Information Exchange (**I-PHIX**) solution suite offers:

- A “one-stop” set of meaningful use tools for public health immunization **enhanced** record exchange.
- Standard platform for **automating** and **validating** the integration of a provider’s electronic health record system with state Immunization Information Systems (IIS).
- **Secure, efficient, and cost effective** data exchange.
- A solution which **minimizes** integration and **easily** augments the public health exchanges within Health Information Exchange (HIE) infrastructures.
- Support for provider **reimbursements**, reporting, and provider based immunization **outcomes**.



“Our experience implementing over 100 electronic-based immunization record exchanges between provider clinical care systems and state immunization registries has allowed us to develop a best practices model and establish an off-the-shelf set of tools to satisfy public health immunization meaningful use criteria. These standards-based solutions can be interoperable with all major clinical systems and health information exchanges. Most importantly, our solution will support provider-based immunization outcomes and vaccine disease prevention.” *Mike Garcia, STC VP/COO*

I-PHIX Exchange Tools

IHub – The IHub component is designed to provide a web-enabled HL7 interface and test platform to support immunization information exchange between providers and a state immunization registry through direct connections or the regional/state HIE infrastructure. Features and capabilities of IHub:

- Comprehensive support for all communication standards.
 - HL7 2.3.1, and 2.5.1 as well as non-standard flat files
 - Real-time HTTPS or web-based file exchange capabilities
 - Supports connection to NHIN for interstate immunization information exchange
 - Support for meaningful use immunization stage 1 and 2 (bi-directional) exchange
- A complete data translation suite for improving the quality of immunization data.
 - Supports mapping and conversion of incoming data
 - Validates patient demographics and vaccination coding
 - Enables provider feedback
- Supports exchange of records from:
 - Hospital births
 - State-to-state immunization record exchange
- Supports web-based exchange testing and conformance.
 - Automation of the pre-certification and ongoing data exchange process

HL7 Gateway – Many HL7 enabled systems are designed to work within local networks and do not provide support for secure transactions across the Internet. The HL7 Gateway solves this by receiving HL7 messages from a local system and forwarding them to their destination using a secure HTTPS connection.

I-PHIX Decision Support Tools

ACIP Immunization Forecasting Module – The Immunization Forecasting Module uses a standardized set of ACIP-compliant algorithms to forecast vaccinations. Features of the Immunization Forecasting Module include:

- Calculation of past-due, currently-due, and next-due immunizations based on current ACIP schedules.
- Supports provider-based age-appropriate immunization coverage, identifies missed opportunities for vaccinations, and provides accurate and timely projections of future vaccine needs.

Reminder/Recall Module – The STC Reminder/Recall Module allows providers to effectively and efficiently manage outreach and notification to patients who are past-due, currently-due, and next-due for one or more vaccines. The Reminder/Recall Module offers:

- Comprehensive patient outreach and notification.
- Significant cost savings in management of outreach efforts.
- Improvement of patient compliance and overall immunization rates.
- Satisfies the preventive care follow-up meaningful use requirement.

Immunization Outcome Module – The STC Immunization Outcome Module allows providers to measure and view their patient population coverage rates. The Immunization Outcome Module offers:

- Age-appropriate immunization coverage.
- Risk reports by subpopulation risks to vaccine preventable disease.
- Vaccine utilization and insurance reports.