HIE 3.0: Overview & Transition

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Agenda

1) HIE 3.0 overview (15 minutes)
2) Alerts transition next steps and time frame (5 minutes)
3) Portal transition next steps and time frame (5 minutes)
4) Portal demonstration – (15 minutes)
5) Questions (10 minutes)
Arizona HIE History

- **SAHIE**: Southern Arizona Health Information Exchange (SAHIE) (2007-2010)
- **AMIE**: Arizona Medical Information Exchange (AMIE) (2007-2010)
- **AzHeC**: Arizona Health-e Connection (AzHeC) (2007-2015)
- **HINAZ**: Health Information Network of Arizona (HINAZ) (2010-2015)
- **AzHeC**: Merged into AzHeC (2007-2015)
- **AzHeC**: Rebranded to Health Current (2017)
- **IT Transformation**: 2019 & Beyond
What is HIE 3.0?

HIE 3.0 (NextGen Health Data Hub (HDH)) is a fully redesigned data aggregation platform to meet expanding market demand for robust data sharing, aggregation, and community access. It was built from the ground-up to provide comprehensive, continuous access to aggregated patient health data. It provides a robust, reliable, performant platform that will lower client ownership costs, enable system-wide connectivity, and supporting growth needs for HIEs and large ambulatory organizations.

When you aggregate clinical data you can turn community-wide patient information into insights that improve patient care.
HIE 3.0 Platform Benefits

Improved:

• User experience
• Patient & clinical searches
• System performance
• System scalability
• EHR Interoperability
• Data management & reliability
• Data security & protection
• Reporting
Connected Health Solutions

Exchange, normalize, and aggregate community-wide data to enable a longitudinal view of patient records.

Key Solutions

• HIE 3.0: community-wide data aggregation
  • Built-in patient matching & EMPI
• NextGen® Connect / Mirth Connect: vendor-agnostic integration engine
Key Features

A cloud-based platform supporting the exchange, normalization, and aggregation of community-wide data to enable a longitudinal view of patient records.

- **Clinical Content Management**: Full support for clinical data types in use by ambulatory and in-patient systems.
- **API**: An API first approach enables full system, configuration and data access.
- **User Portal**: A user-accessible front-end for the display of patient data.
- **Consent & Data Protection**: Secure patient data management for sharing & access permissions.
- **Cloud-hosting**: Single cloud-deployed solution leveraging AWS.
Key Benefits

• **Data Fidelity:** HIE 3.0 ensures that you can trace all patient data back to its original API call / point of origin. The system retains data provenance and provides seamless merge and unmerge capabilities.

• **Usability:** Easy to navigate, simple to understand controls, and powerful UI configurations allow all users to feel empowered when interacting with patient data and system configurations.

• **Scalability:** Replaces vertical scaling with horizontal scalability (leveraging AWS, we allow clients to focus on their data sharing use cases)

• **Configurability:** Increases configurability to adapt to unique implementation requirements (clients have control over their end-user experience)

• **Open Access:** Extends interoperability through enriched RESTful API access
Data Fidelity and Event Sourcing

- HIE 3.0 collects and presents data as accurately as possible.
- Trace all data back to its original source (message or API request).
- Address challenges with merging, moving, and removing data.
Data Protection & 42 CFR Part 2

- Exceptionally strong data protection provisions which support 42 CFR Part 2 and SAMHSA regulations.
- Ability to identify protected data sources and segregate all data access for users without authority to view protected data.
- Support for redisclosure notices, break the glass, and other requirements.

Dr. Monroe is not allowed to “redisclose” the data

The HIE is not allowed to “redisclose” the data
Patient Aggregate

Behavioral Health Providers  Medical Providers  Hospitals  Labs
Patient Aggregate
HIE 3.0 PHI Protection Layers

Role = permutation of layers
HIE 3.0 PHI Protection Layers
Patient Aggregate

Data Source:
- PCP
- Acute & Post Acute
- Behavioral Health
- Lab
- Substance Use Center

PROTECTED
Patient Aggregate

Data Source:
- PCP
- Acute & Post Acute
- Lab
- Behavioral Health
- Substance Use Center
HIE 3.0 PHI Protection Layers

User with roles

Patient Aggregate

Non-Protected vs Protected
HIE 3.0 PHI Protection Layers

Data Protection
- Data Source – Protected Indication
- Separation in patient aggregate
- New Privilege
- Redisclosure notices
- User Group
- Consent for a User Group
Portal Demonstration
Alerts Transition

• All alert services are currently available in HIE 3.0
• Requirements to transition
  ✓ All that is needed is a new patient panel
• Current environment scheduled to sunset alert services August 30, 2021

This requires all alert services to be transitioned to HIE 3.0 by August 30, 2021
Portal Transition

- All Portal services are currently available in HIE 3.0
- Requirements to transition:
  - ✓ Sign up for and complete training.
  - ✓ Request new usernames and passwords upon completion of training
- Current environment scheduled to sunset Portal services **September 30, 2021**

This requires all Portal services to be transitioned to HIE 3.0 by **September 30, 2021**
HIE 3.0 Training

• Required training for portal access.
• Register at healthcurrent.org/events
• If additional training times are needed, please contact your Account Manager.
What you need to do next

Contact your Account Manager or reach out to HIEsupport@healthcurrent.org
Questions?