Health Information Technology and Collaborative Care Models

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NYeC is a public-private partnership designated by the federal and state governments to advance health information technology in NY State in order to improve the quality of healthcare and benefit the public good.

Three Areas of Focus:

1. **Promote the adoption and use of electronic health records**
   - Educate the public on the benefits of EHRs
   - Assist providers transitioning from paper to electronic records
   - Assist providers to qualify for Meaningful Use reimbursements

2. **Build the SHIN-NY (State Health Information Network – New York): a secure network for sharing electronic medical records across the state**
   - Allow providers to share information
   - Promote collaborative care so doctors work as a team to benefit the patient

3. **Develop statewide policies regarding HIT**
   - Convene stakeholders & build consensus
   - Collaborate with NYS Department of Health
Through the HEAL grant program, the NY State Department of Health helped create 12 regional health information organizations (RHIOs) in New York.

Each RHIO has built a local health information exchange network and is in the process of connecting the healthcare providers in their community – SHIN-NY 1.0

SHIN-NY 2.0 will connect together all of the individual RHIOs into a statewide network.
The Anatomy of a RHIO

RHIO

**Governance:** Each RHIO is a non-profit company with a community led Board of Directors.

**Technical Operations:** Almost all RHIOs outsource a majority of their technical operations either directly to their HIE vendor or through another third party.

**Business Operations:** RHIOs provide member services which include resolution of data integrity issues, management of consent and other statewide policy, project management for connection of new members and project management for the development of new capabilities.

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**Health Information Exchange Software**

- **HIE Software**
- **Patient Database**
- **Provider Database**

**EHR data interfaces (custom development)**

- A
- B
- C
- X
- Y
- Z

**Patient Record Look-Up**

**Application Programming Interface**

**Additional Capabilities**

**HOSPITAL A**

**PRACTICE C**

**PRACTICE Y**

**FQHC B**

**HOSPITAL X**

**HOSPITAL Z**
Health Information Exchange Platform

- The HIE Platform is a networked resource that has the ability to provide:
  - Patient Records including symptoms, treatments, meds, allergies, radiology, etc.
  - Patient identity and contact information for administrative uses
  - Provider identity and contact information for administrative uses
  - Legal records to manage and adhere to state privacy and data usage policies
  - Patient care plans
  - Analytics for population health and individual physician panel management
  - Communications between providers, public health, and patients.
3 Focus Areas Emerge

**CARE PLAN MANAGEMENT**
- Support for team based care (common care plans, team interactions, alerts, etc.)
- Management of patients by risk category
- Tools to manage support for transitions of hospital to community

**ANALYTICS**
- Retrospective and predictive analysis related to care coordination
- Quality Management
- Decision Support

**PATIENT ENGAGEMENT**
- Personal health management solutions that enable patient interaction with care team
- Telehealth tools that allow the patient to be taken better care at home
- Tools that allow patients to make better health care decisions and track their conditions