SPNS has supported and spearheaded efforts focused on

- **building** health IT capacity and infrastructure
- **developing** standardized client-level data systems
- **improving** bidirectional data exchange
- **launching** regional, statewide, and hospital-wide patient portals
- **promoting** meaningful use and standards of care
- **researching** new IT innovations and integrations
- **enhancing** health information technology (HIT) systems across jurisdictions
- **improving** data collection, monitoring, and tracking of health outcomes
- **integrating** information across Program Parts and funding streams.

**Who We Are and What We Do**

We don’t just know today’s toughest health challenges; we’ve helped create the innovative IT solutions to address them.

**Case Study Examples**

**Enhanced Health Information Exchange (eHIE)**

The New Jersey Department of Health, the City of Paterson,* and St. Joseph’s Hospital have launched a novel approach to integrating data across Ryan White HIV/AIDS Program Parts A-D, representing the groundbreaking, first-ever state-city and large medical provider-city partnerships to securely exchange health information.

Through eCOMPAS, a truly interoperable platform utilizing a bi-directional encrypted health information exchange, the system is able to provide unduplicated, client-level data, performance measure indicator metrics, as well as proactive alerts and reminders, and cross-agency electronic referrals. This platform helps reduce duplication of efforts, streamlines information across systems and funding streams, and helps grantees focus limited resources on improving patient outcomes. Through the consolidation of care, treatment, and surveillance data into one platform, grantees can readily review client and trend data and see the difference they’re making in people’s lives and in communities across New Jersey.

This work was made possible thanks to the SPNS Health Information Technology (HIT) Capacity Building for Monitoring and Improving Health Outcomes along the HIV Care Continuum initiative and IT support from RDE Systems.

**Improved Outcomes**

- 43% increase in CD4 tests
- 44% increase in retention
- 28% increase in HIV medication access
- 107% increase in syphilis screenings
- 39% improvement in community viral load suppression

**Care Continuum Dashboard**

The City of Paterson has two MyCareContinuum dashboard views—one at the regional level and one at the Ryan White HIV/AIDS Program level. The enhanced eCOMPAS HIT system fully integrates and utilizes relevant measures of HIV diagnosis, treatment, and treatment status to allow for more efficient collection, monitoring, and tracking of health outcomes of people living with HIV along the HIV Care Continuum. Drill-down capabilities facilitate enhanced analysis, planning, and decision-making to improve coordination of HIV actions leading to sustained viral load suppression.

Providers have the ability to review information at the client level as well as track trends and clinical indicators. Through proactive regular push notifications, supervisors can be alerted to when clients are due for respective CD4 or viral load testing, provider visits, TB testing, and other measures. This work not only tracks clients and provides a critical snapshot of information aligned with federal priorities, it arms providers with the tools to focus limited resources on where they will do the most good, proactively engage the clients most in need, and move these clients along the care continuum towards improved health outcomes.

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*Supported by Mayor Jose “Joey” Torres, Mayor of Paterson and City of Paterson Department of Health and Human Services, and New Solutions Inc.

RDE Systems, LLC has supported featured SPNS health IT grantees in their IT development and data tracking. For more than 25 years, RDE has served public health agencies and grantees. To learn more, visit [www.rde.org](http://www.rde.org).
New York Health + Hospitals upgraded their transitional case management system at Rikers Island with improved data capture capabilities in order to better facilitate court advocacy, transparency and tracking of referrals, coordination of discharge planning, and improve linkage to and engage in care upon release. The eCOMPAS system has client information such as eligibility for services, criminal justice history, presenting issues, as well as anticipated discharge date and any case management and other referrals being made to clients upon release. This system enables providers to not only better plan and review information in advance but track connection to care rates of clients in the community and offer an opportunity to conduct follow-up if necessary.

Given the success of this system with transient correctional populations, its use is being researched in Puerto Rico to better track and deliver coordinated and consistent care to a different group of transient individuals: who regularly travel from NYC to Puerto Rico.

In 8 months:

- **27%** increase in data feeds
- **>2 million** data points.
- Saving **10-15%** in admin costs.

### HITECH & MEANINGFUL USE

The Health Information Technology for Economic and Clinical Health (HITECH) Act promotes the adoption and meaningful use of health information technology. Meaningful use is using certified electronic health record technology to:

- improve quality, safety, efficiency, and reduce health disparities
- engage and empower patients
- improve care delivery transparency, and efficiency
- maintain privacy and security of patient health information
- and, ultimately, lead to improved public and patient health outcomes.


For more information about SPNS, visit [hab.hrsa.gov/abouthab/partfspns.html](http://hab.hrsa.gov/abouthab/partfspns.html) and [careacttarget.org/ihip](http://careacttarget.org/ihip). For more information about these case studies and other outcomes, contact info@e-compas.com.