HCL Link

Healthcare Pack

At A Glance

Healthcare, as a highly regulated industry, presents critical business challenges for payers and providers alike. The entire healthcare industry is facing increased pressure to implement productivity and quality improvements while reducing costs and improving patient care. At the center of these significant demands is healthcare data.

The complexity of healthcare data systems is driving the need for a comprehensive interoperability solution that bridges the various families of healthcare clinical and administrative standards such as Health Insurance Portability and Accountability Act (HIPAA), Health Level 7 (HL7), National Council for Prescription Drug Programs (NCPDP) and Fast Healthcare Interoperability Resources (FHIR).

Staying compliant with regulations for these standards while simultaneously being able to exchange data in XML, JSON, database and other custom formats can be a huge challenge for organizations today. Following these transaction standards outlined in current implementation guidelines seems clear enough, but of course, it gets complicated in a hurry.

Adding to this complexity are standards changes which can come in the form of minor adjustments to significant version updates. The overhead of monitoring for these changes and making adjustments to internal systems can be significant.

The Solution

HCL Link is a modernized tool to help enterprises solve multifaceted data integration problems. HCL Link provides the ability to connect to the source or target application of the relevant data and then processes complex data transformation and validation across a range of messaging standards and data formats.

HCL Link Healthcare Pack delivers accelerators for HIPAA, HL7, FHIR and NCPDP to address multi-standard exchange formatting requirements of the healthcare industry. The Pack contains schemas, maps, sample data, and utility modules. These predefined, industry specific objects provide flexibility to implement a wide variety of integration applications and boost the development effort by reusing standard components.

Key Features

HCL Link Healthcare Pack accelerates the adoption of and compliance with key healthcare payment and clinical data industry standards with this solution pack of accelerators, including data definitions, validation, and samples of HIPAA, NCPDP, HL7, FHIR and more.

Industry Standards Support
Out-of-the-box definitions for industry standards and regulatory compliance for HIPAA EDI, HL7 V2, CDA, HL7 V3, FHIR, NCPDP, XML and JSON.

Frictionless Healthcare Information Processing
Facilitate accuracy and timeliness of information by ensuring compliance with government, network and industry mandates and guidelines.

Quick and Easy Adoption of Standards Updates
Save time and stay up to date with the latest guidelines by taking advantage of prebuilt standards with timely annual updates.

Silo Buster
Don't keep your data in a silo! Integrate your clinical and payments data using a common platform and common tooling for various industry and technology standards.

Modernization on-ramp
Use out-of-the box crosswalks from legacy standards to today's standards to minimize business interruption and adopt newer technologies on your business' timeline.

HL7

The HL7 standard is supported as part of the HCL Link Healthcare Pack. It is the workhorse set of data standards for the provider side of healthcare. This is what the doctors, hospitals and clinics use.

Most of HL7 today is HL7 EDI which is in the family of 2.x standards. The HCL Link Healthcare pack contains all major versions of the 2.x standards fully modelled with healthcare specific business terms. This makes it easy for use in data integrations.

When having to do HL7 V2.X validation, the best option is using the HCL Link Healthcare Pack. Version 2.X is not going away anytime soon. Per the HL7 organization, 90% of US healthcare organizations use HL7 V2.x and it is widely used around the world.

The HCL Link Healthcare Pack metadata representations for 2.X, which use human readable terms, are known in the market as one of easiest to work with. Regular updates to the Healthcare Pack are delivered to keep pace with the latest releases of HL7.

The HL7 V2.x validation utility within the Healthcare Pack reports differences between the standard and the data being processed. Validation is increasingly important as HL7 is more commonly being sent between organizations.

The pack also includes a set of examples providing crosswalks between the HL7 V2.X and FHIR (both XML and JSON versions) and crosswalks between HL7 V2.X and NCPDP.

And that's not all! Due to the inherent strength of the transformation capabilities, HCL Link natively supports newer HL7 standards families such as FHIR and 3.x including CDA.

NCPDP

More and more, pharmacy prescription tracking is coming under the spotlight for a variety of reasons, such as drug costs, prescription tracking related to abuse, etc.

There are many NCPDP standards and the most relevant are supported in the HCL Link Healthcare Pack. For nearly 40 years, NCPDP (National Council for Prescription Drug Programs) has led a transformation in the pharmacy services sector by creating and promoting standards for electronic healthcare transactions. The NCPDP transactions are used exclusively in the retail pharmacy sector.
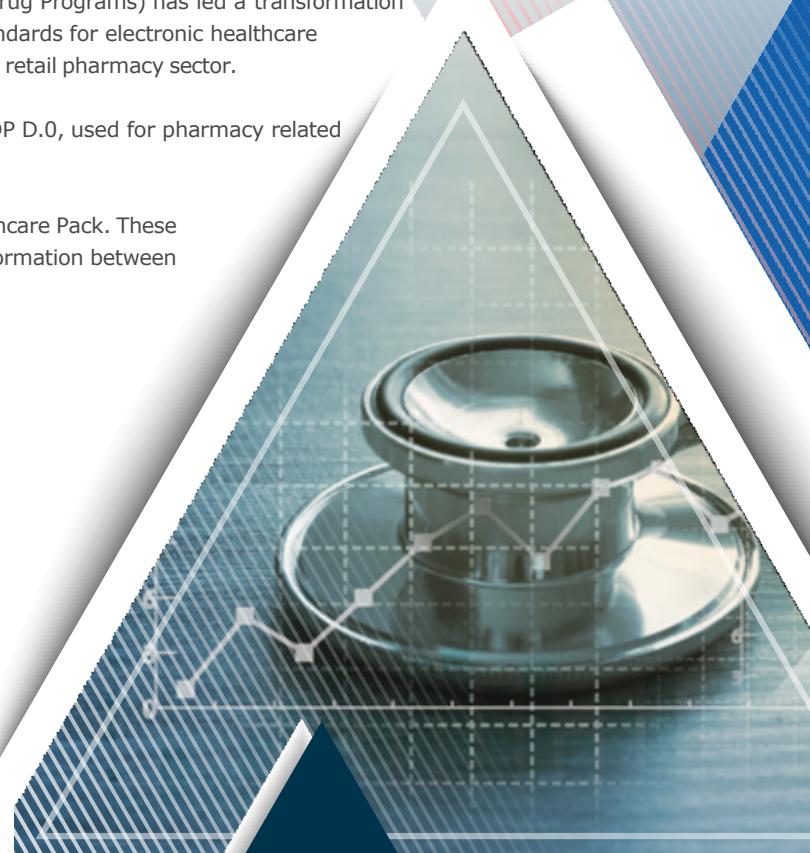
One of several NCPDP standards supported in the Pack is NCPDP D.0, used for pharmacy related claims and mandated under HIPAA.

SCRIPT EDI Standards are also supported in the HCL Link Healthcare Pack. These are used in ePrescribing – the way to exchange prescription information between prescribers, pharmacies, intermediaries, and payers.

HIPAA
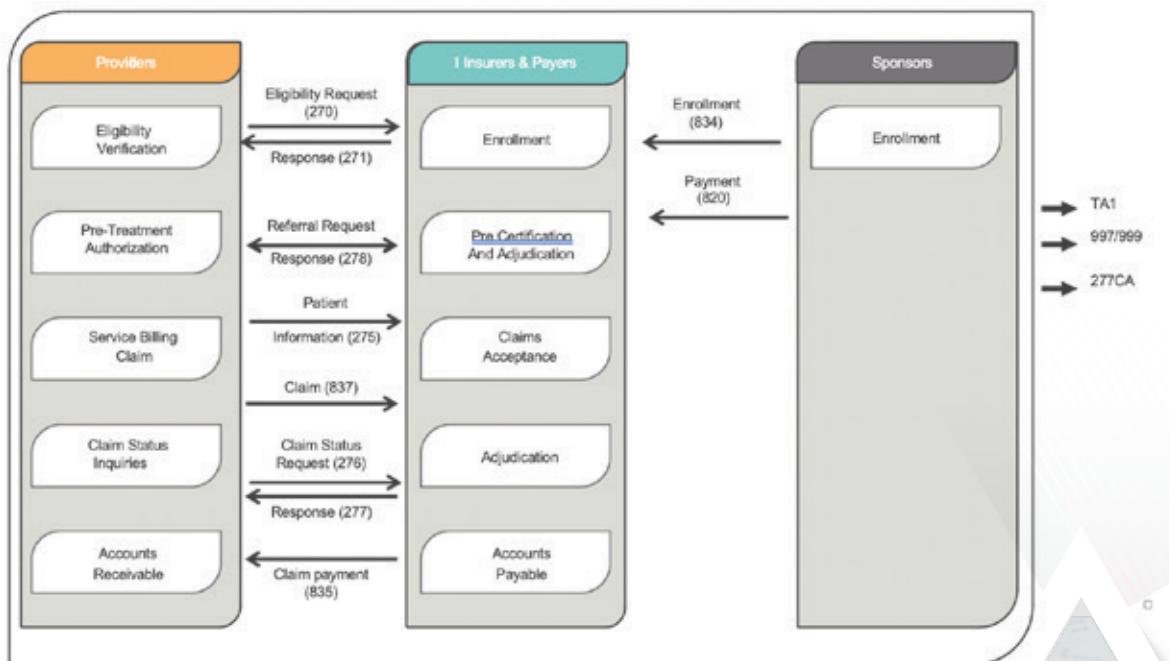
The core value of the HCL Link Healthcare Pack is the comprehensive set of prebuilt HCL Link Schemas. These schemas are the HCL Link representation of the HIPAA X12 standards. To create the standards manually would be incredibly labor-intensive, so having them prebuilt for you is a significant benefit. The schemas support all the different HIPAA transactions plus the validation and HIPAA code sets are already incorporated. These codes are not hard-coded so there is flexibility on what would be required to use as various parties interpret the standards differently.

Built around these schemas is the HIPAA Compliance Checker which is used to validate HIPAA X12 transmission data and to report compliance with industry requirements. The utility is configurable for validating any of the WEDI/SNIP levels.

The following diagram shows the flow of information between healthcare providers and insurance and payers and healthcare plan sponsors and the associated HIPAA-mandated transaction numbers. These numbers refer to specific HIPAA X12 transaction sets that are supported in the HCL Link Healthcare Pack.

HIPAA X12 Transaction Sets Supported by HCL Link

Also supported:

- PACDR (Post Adjudicated Claim Data Reporting) versions for 837P (Professional), 837I (Institutional) & 837D (Dental).

- Health Insurance Exchange (HIX) messages are supported through schema definitions and examples that demonstrate the HIX structures and concepts.

Other HCL Link Brochures:

- HCL Link
- HCL Link Healthcare Pack
- HCL Link Financial Payments Pack
- HCL Link SAP Pack