



## Project Profile: Data-Loaders and EDIs for HealthCare Information

### Business Situation

The Client, a larger insurance processing firm required needed to build a set of Data-loaders and EDI for transmission of HealthCare information.

Our challenges and tasks were:

- Identify and source the data, analyze the data requirements.
- Create a tool to define the frequency of loads and updates to the data-sets, including State Fee and UCR schedule, PPO Networks, Pharmacy, Diagnosis among other schedule data.
- Historize the current Production data, load the new QA'ed data to the Staging area and load the Staging area to Production.
- Make the loaders such that non-technical personnel can maintain and run them.
- Incorporate ANSI EDI X12 standards

### The Role of Masfin Consulting

Our response to this challenge was.

- Analyzed and model the data, identify the relevant and correct fields using PowerDesigner.
- Mapped the fields and structures to the database using the XRAY power-tool.
- Wrote data loaders and interfaces to the data sources like Ingenix, Red-book, St Anthony and PPOs like Focus, CCN, CHN, CMN using Visual Basic and DTS.
- Wrote the cumbersome EDI XML and ANSI-X12 interfaces
- Created a data loading zone in the SQL Server. Allow for pre-loading of data, QA and data reconciliation.
- Set up an automated scheduling mechanism for data-loads, with minimal intervention required.

## Benefits of the solution

The main benefits of the solution for the client were:

- ❑ Creation of a streamlined mechanism for data acquisition, analysis, cleansing, reconciliation, consolidation and delivery of information
- ❑ Improvement in data quality to provide better decision basis thereby progressing on the HIPAA goals.
- ❑ Ability to pre-load data because of “valid from and valid to” feature of the records.
- ❑ Cost saving since loading process was automated and simplified so that technical staff were not required to complete the process.
- ❑ Incorporating EDI (XML and ANSI X12) standards made information exchange faster and more reliable.

## Technology used

- ❑ VB, XML, ASP, Power-Designer, MS-SQL Server