

MCFARLAND CLINIC PC CENTRAL IOWA

WWW.MCFARLANDCLINIC.COM

CUSTOMER PROFILE:

McFarland Clinic was established in 1946 as one of Iowa's first multi-specialty clinics. Over the past 60 years, they have grown into central Iowa's largest physician-owned, multi-specialty clinic that includes more than 20 offices in 12 Iowa communities with an additional 12 communities served by physician outreach clinics.

CUSTOMER CHALLENGES:

- + Initial requirement was to find a way to receive HL7 messages for an internally built dictation system. Current environment consisted of a series of Ad Hoc SQL queries from provider Oracle databases.
- + An interface engine platform was needed to support future requirements and meet industry standards, such as HL7.
- + McFarland needed to receive and process ADT (patient demographic information) and SIU (appointment information from hospital scheduling system) messages from providers.

CUSTOMER SOLUTION:

- + Installed NeoIntegrate™ to replace existing system, that was based on a series of SQL scripts extracting data from Oracle databases. Using NeoTool's interface engine, McFarland Clinic built interfaces to the internally constructed dictation system and CDA (Compound Document Architecture) system
- + NeoIntegrate enabled McFarland Clinic to:
 - + Effectively and accurately exchange ADT and SIU messages with providers
 - + Monitor the interface environment and message transactions, ensuring service level expectations are met
 - + Receive ORU (patient result) messages from transcription sources
 - + Efficiently identify message issues, allowing for timely corrections to meet the required message structure

MCFARLAND CLINIC PC'S INSIGHTS:

Doug Patterson is the CIO of McFarland Clinic and leads their healthcare IT practices. His insights:

"We recognized the industry was moving towards the HL7 messaging standard. In order to avoid putting our clinic at a competitive disadvantage, and to better prepare for the future, we needed to replace our existing clinical data communication methods and adopt HL7 as our standard. Our first step in achieving that goal was to find an HL7 and interface engine partner that could best serve our needs.

We selected NeoTool not only because they offered the most cost effective solution for our needs, but because of their strong reputation in the marketplace. I had no doubt they would deliver. We turned to NeoTool because we needed a robust interface to work with our dictation system, and that's exactly what we got, plus a lot more.

The ease of use and simplicity that NeoIntegrate offers has been very beneficial for my team. Like many medical clinics we operate with limited resources. NeoTool provided our clinic with a simple-to-use method to build and deploy critical interfaces to variety of other applications. This approach helps us leverage our resources in the most effective way.

With NeoTool, we now have an integration platform to enhance our clinical exchanges with hospitals and a diverse group of other providers. NeoTool delivered a solution that enabled our clinic to quickly adapt while meeting the demand to more efficiently connect with other healthcare providers.

My experience from this process has left me with a great impression of NeoTool. Their professionalism, follow through and expertise was greatly appreciated. I wish every vendor I worked with was as thorough and trouble-free as NeoTool.

Brian Cassaidy, software engineer, was responsible for coordinating the replacement of the current environment with NeoIntegrate. His insights:

"In order to better support our physician community, it was important that we adopt an industry-leading healthcare integration engine. Our existing environment, while capable and functional, did not meet this objective. We had a series of ad hoc queries that simply wasn't the best platform to meet our requirements, so the decision was made to adopt the HL7 standard.

We initially selected NeoIntegrate specifically for use with a dictation system we were developing. However, we were so pleased with the results that we implemented interfaces to connect to our radiology providers. Next, we will use NeoIntegrate to receive lab results and provide connectivity to an internally developed CDA (Compound Document Architecture) system to receive ORU messages from transcription sources.

We are very happy with NeoTool's performance. NeoIntegrate is extremely robust and has some very attractive features. Being able to resend messages along with the logging capabilities are particularly valuable."

I was just learning about HL7 when given NeoIntegrate and have to say the installation went more smoothly than most software installs normally do. When a few issues did surface, the support staff was absolutely wonderful. It's easy to say the support I received from NeoTool surpassed that of any vendor I've worked with."

ABOUT NEOTOOL:

NeoTool's healthcare integration solutions empower organizations to develop, test, deploy, and manage data exchanges between healthcare applications and providers. Through software, training, and consulting, NeoTool is the largest firm dedicated solely to HL7 and healthcare application interfacing. NeoTool customers include healthcare providers (e.g., hospitals, imaging centers, labs, and clinics), healthcare software application providers, and medical device manufacturers. www.neotool.com

ABOUT NEOINTEGRATE:

NeoIntegrate supports the full life-cycle on healthcare interface development.

PHASE	NEOINTEGRATE KEY FEATURES:
Developing Interfaces	<ul style="list-style-type: none"> • Create the business processing rules for the interface including modifying data, logical constructs (if/else, foreach loops), and message distribution • Quickly define where to route message • Enable one to many message routing (e.g., send one message to multiple applications and/or providers) • Convert messages between different versions of HL7
Testing Interfaces	<ul style="list-style-type: none"> • Validate HL7 message against a selected version (standard or user-modified) • Support iterative process until all message errors are resolved • Support component level testing (i.e., testing occurs independent from an operating interface) • Test interfacing processing rules
Deploying Interfaces	<ul style="list-style-type: none"> • Easily export interface configuration to established production environment with a single operation • Create a complete backup of interface configuration with a single operation
Monitoring & Maintaining Interfaces	<ul style="list-style-type: none"> • Support detailed log files – All log files record 24 hours of activity which are archived for user-defined periods of time • Resend messages from archive, if needed • Define critical alert criteria by day, time, event, and severity • Define unique alert configurations on a per interface basis • Monitor status of interface connections – Green, Yellow, Red – for easy viewing

CONTACT US

NEOTOOL, LLC
 6509 WINDCREST DRIVE SUITE 160B PLANO, TEXAS 75024
 469-229-5000 (VOICE) 469-229-5001 (FAX)
 SALES@NEOTOOL.COM WWW.NEOTOOL.COM

