



AN GLOBAL

***World's Largest PBM
Seamlessly Transitions to ICD-10***

ICD-10

AN Global Develops Smart Assessment Patient
Services Process and Supporting Architecture

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Results



Zero major issues due to clean design and execution



Ability to handle ICD-9 code as a fail-safe



Optimized workflows due to a parallel work schedule



Nine-month completion

SOLUTION

Update ICD-9 to ICD-10 within a major pharmacy ERP system to comply with a government mandate.

Pharmacy ICD Code Updates

The World Health Organization uses an alpha-numeric classification system to publish known diseases. The system, named International Classification of Diseases, or ICD, has been updated regularly since 2003. U.S. health organizations were required to update their codes by October, 2016.

The update was substantial, affecting the way many systems read and processed patient data.

ICD-9 to ICD-10 Updates:

- 55,000 more diagnostic codes
- An increase of maximum characters from five to seven
- Double the number of disease & condition categories

This PBM, one of the most prominent and well-known in the U.S., hired AN Global to guide them through the transition. ICD codes are closely tied to the organization's main pharmacy enterprise system. For this organization, the codes are primarily used to document patient status, as well as for dispensing medication, claims processing, billing, and other processes.

If the organization did not update its systems, they would face government financial penalties and disrupt patient care. ICD codes are tied to patient records, hospitals, and pharmacy manufacturers. The update also affected dispensing. If a dosage limit is ever exceeded, that patient faces serious health risks.



Challenge: Update ICD Codes from Version Nine to Ten without Disrupting Patient Services & Ongoing Processes

The code update required knowledge of the main pharmacy ERP system processes. AN Global, as a long-time trusted partner, was the only vendor who intimately knew the system well enough to handle the project.

CHANGING PERCEPTIONS:

The customer originally thought that the transition from ICD-9 to 10 would include a simple code update, taking only a few months, but approached the AN Global team to be certain.

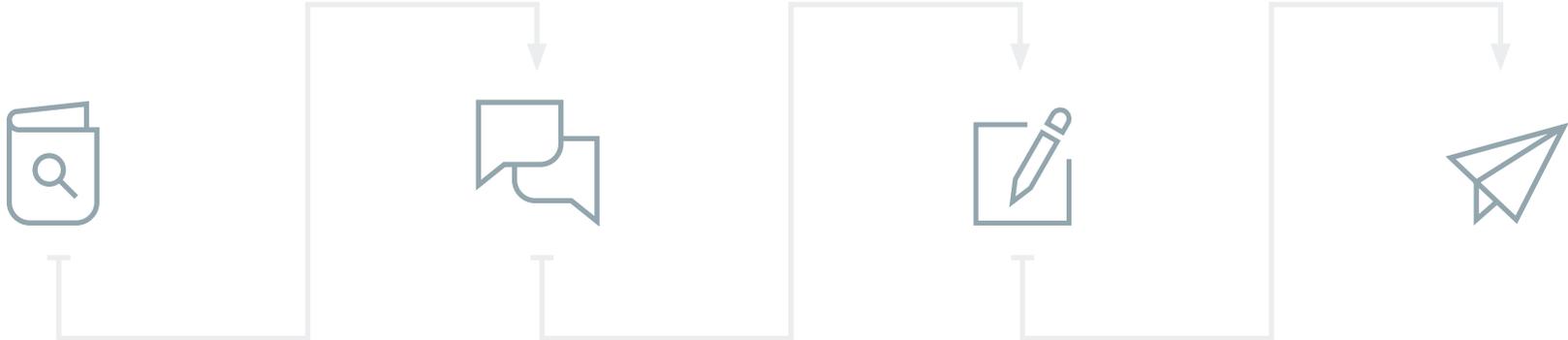
The team performed a comprehensive analysis of the code update and found that ICD-10 would impact sensitive areas such as dispensing as well as several claims and billing modules. As trusted advisors, AN Global showed the customer that the scope and complexity of the project was much larger than they had originally anticipated, and encouraged them to budget accordingly.

Navigate Digital Transformation Faster. Ditch the Complexity.

A vendor who does not learn your unique system setup and processes will develop a generic model. AN Global has developed a rapid transition methodology that the team uses to quickly learn and adapt new technologies to customer business models, partnering in the broader mission – because there is no generic organization.

AN Global has been a trusted advisor of this PBM for over ten years.

Taking the Digital Strong Path



STEP 1

Conduct a One-Week Assessment

The AN Global team ran an exhaustive system analysis to understand the full project impact, and calculated how ICD-10 would affect each screen in the system. The team then consulted with the customer to determine how they would like the system to interact with the new ICD Codes.

STEP 2

Communicate the Impact

AN Global communicated how version nine logic would need to be updated in order to handle ICD-10. The Business Analyst was then able to write detailed requirements for each module.

STEP 3

Design the Update

Clarity in the requirements led to a faster and more accurate project design. AN Global then designed the logic, and, working alongside the customer's QA team, decided how to release each module individually.

STEP 4

Deployment & Conversion

The code deployment involved QA, UAT, and AN Global developers. QA tested every release and presented it to UAT, who would sign off on the project stage.

SOLUTION AT A GLANCE

- Zero major issues in the nine-month project
- Optimal project design led to a faster delivery
- System rules included a fail-safe to read both ICD-9 and ICD-10 codes
- Multiple releases enabled teams to work in parallel

Releasing Both ICD-9 & ICD-10 Code

The longer ICD-10 codes affect every process in the pharmacy ERP system. To make sure that the system would continue to run as planned, AN Global released both ICD-9 and ICD-10 codes. This process ensured that, if one screen wasn't working as intended, that they could instantly pinpoint the affected area, and adjust.

Reporting was also affected. **The team needed to set up rules within the ERP system in order to identify which version needs to take the report, the screens, and the processes.**

Clean Delivery in Only Nine Months

The clean analysis and design optimized delivery. AN Global divided deliveries into several releases so that teams could work in parallel. Several code releases were not the same size - which is a major reason the team did not wait to release everything at once.

Zero major issues occurred during the nine-month update, which was extraordinarily low considering the size of the project.

Why More Hospitals Turn to AN Global as ICD-11 Approaches

According to the [WHO, ICD-11 will be ready in 2022](#). ICD-10 was published in 1990, and was only recently mandated that HIPAA-covered health institutions use the version. While it may take years before another mandate, ICD-11 will include:

- Multiple languages
- An interactive web platform
- Search functionality

The path to digital transformation involves a large investment and technology changes. AN Global ensures customers are prepared to meet those changes by optimizing their current systems and processes so that, when they do upgrade, they know exactly what to expect.

ABOUT AN GLOBAL

AN Global has become one of the fastest growing success stories in digital transformation across the Americas. The Irving, TX headquartered company designs, develops, and implements software and solutions, from

advanced analytics and big data, to omnichannel commerce and cloud services. AN Global helps established and new leading companies thrive in the Digital Era across multiple industries including financial services, healthcare, retail, and consumer goods.

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