



SUCCESS STORY HEALTHCARE

# AN EMS FIRM ACCELERATES CODING & PROCESSING TIME BY 4X

Apexon uses AI to automate and simplify claim generation



Healthcare reform in the United States has led to burgeoning growth in ambulance and emergency medical services. However, the increase in business has also resulted in a need for stricter compliance protocols, especially within billing and claims.

For the EMS firm's Coding Solution Project, Apexon was called in to deliver a low-cost billing solution that simplified the claims processing procedure, while maintaining compliance with existing medical codification at the federal level.



## THE RESULTS

### KEY OUTCOMES

Using Open Source R to create a statistical computing solution, Apexon was able to deliver a number of benefits to the client. These included:



**75% AUTOMATION  
WITHIN BILLING  
& CLAIMS  
PROCESSING**



**HIGH CLAIMS  
PROCESSING  
ACCURACY - OVER  
95% OF CLAIMS  
PROCESSED  
CORRECTLY**



**4X FASTER  
PROCESSING TIMES  
& A SIGNIFICANT  
REDUCTION IN  
THE NUMBER  
OF DENIALS**



**REDUCED  
ADMINISTRATIVE  
COSTS FOR THE  
ENTIRE BILLING &  
CLAIMS PROCESS**

## THE CHALLENGE

# 3 KEY AREAS

While processing 5,000 ambulance trips on a daily basis, the client found it difficult to:



### Processing Claims

Process a high volume of claims quickly, accurately, and at low-cost



### Capture Patient Care Reports

Develop a standardized format to capture patient care reports



### Standardizing Format

Develop a standardized format to capture patient care reports

## THE SOLUTION

# 3 KEY AREAS

Apexon's EMS Coding Solution simplifies the medical coding process by determining the appropriate service codes using a machine algorithm, reducing errors that are introduced during traditional manual processing. Run on an AWS application server, this system allows us to:



### Automate Claims Generation & Processing

Use machine learning and advanced NLP to automate claims generation and processing



### Processing Ambulatory Care Coding

Process all four aspects of ambulatory care coding – Medical Necessity, Priority, Level of Service, and ICD10 coding – with greater accuracy and over shorter time frames



### Delivering Client Access

Deliver client access to the solution via an API-enabled, encrypted web application, that meets HIPAA compliance protocols



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## FEELING SOCIAL?

