

Case Study / Computer Assisted Chart Review Challenge

The Goal: To contrast the amount of time it takes to discover disease and code manually against using the ForeSee Medical ESP[®] Software (ESP) platform.



THE MANUAL CODERS

Three CRCs (Certified Risk Coders), each with greater than five years of experience working full time coding clinical notes related to patients that are MA members.



THE ESP SOFTWARE USERS

Three experts in clinical informatics that are familiar with how the ForeSee Medical ESP platform may be used to assist in detecting disease and coding clinical data.

THE CLINICAL NOTES

Two Hospital Discharge Summaries for the same patient (de-identified)

The patient has a high disease burden (many diseases that relate to the MA HCC model)

One of the hospitalizations resulted in an ICU stay

Both discharge summaries were presented to the coders as PDF documents

The first discharge summary is approximately 2,350 words

The second discharge summary is approximately 1,145 words

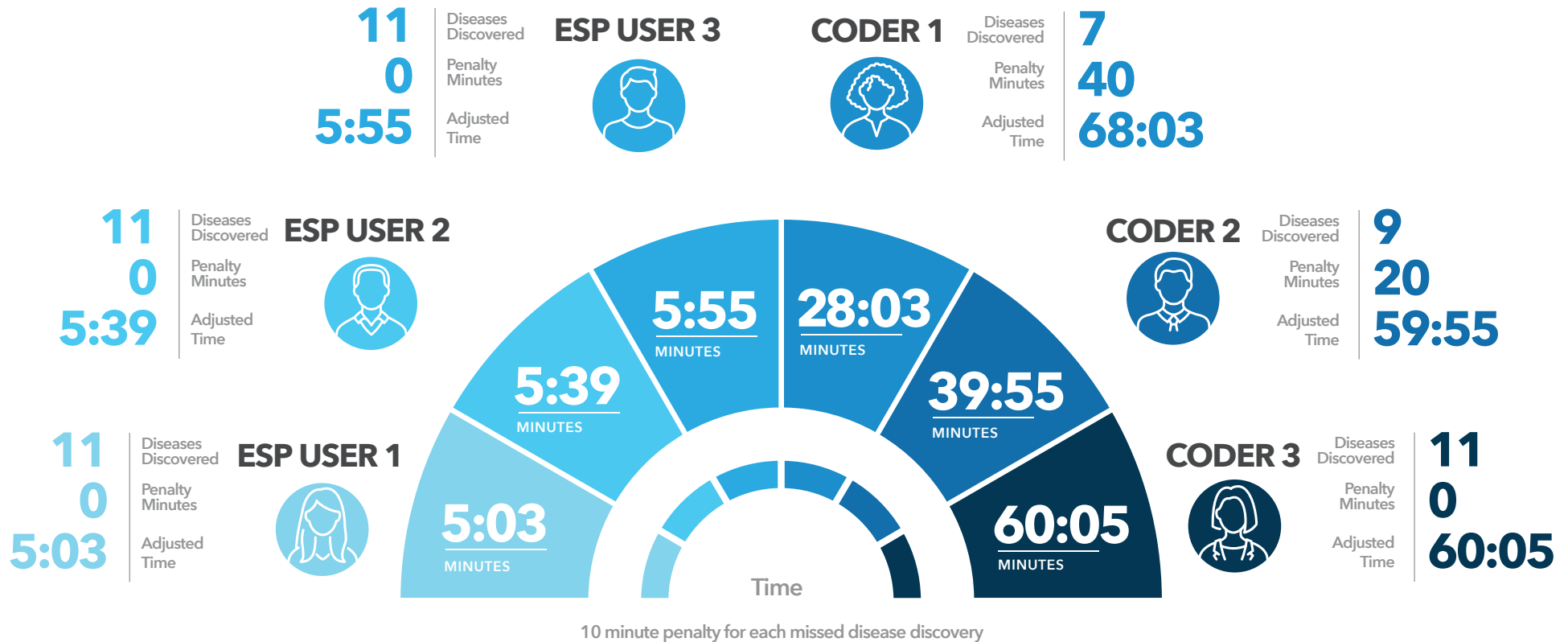
THE MANUAL CODERS

The coders were asked to work at their normal pace and to attempt to discover every disease/code pairing related to the MA risk adjustment model for each hospital discharge summary. They were asked to measure the time it took code both discharge summaries. They recorded their results in an excel spreadsheet.

THE ESP SOFTWARE USERS

The users were asked to measure the time it took to confirm each disease discovered by the ESP software for both discharge summaries and assign a code. They recorded their results in the software.

Case Study / The Results



The Base Set of Diseases
Required to Discover

11

Average Adjusted Time
for the Manual Coders

62:54
minutes seconds

Average Time for
the ESP Users

5:32
minutes seconds

ESP Speed Advantage

11.8x

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