



# Mayo Case 2015-124: Business Enhancement Analytics Tool (BEAT)

## Problem

The current healthcare environment has transitioned to a mostly electronic health record (HER) based information system. As a result, tremendous amounts of raw data are being generated, but the process for converting the data to useful information still has gaps. Multiple applications, care environments, and user profile needs further complicate converting the data into useful information.

## Solution

The BEAT application provides a novel, real-time, cloud-based data analytics platform with multiple functionalities and end users. BEAT has solved hundreds of business cases by unlocking and leveraging data. It can be used on its own but also as a complementary solution for other existing business intelligence frameworks.

## Benefit

BEAT offers a variety of functionality that on a high level can be grouped into the following: 1) Typical Business Intelligence Functionality; 2) Allowing the Functionality of Automatic Processing using scheduling; 3) Providing the Functionality of combining multiple Profile outputs into one; 4) Real Time Data Processing, as well as Batch Processing, depending on the Business Needs; 5) "Empowering the end user" to perform all the above mentioned Functionality without Involvement of IT; 6) Security; 7) Self-Measurement. This functionality has been utilized to increase revenue by millions of dollars. It also provides ready access to users, enabling real time, data based decision making, which impacts both quality and on-going operational care costs. Prototype in development.

## Stage of Development

A proof of concept pilot has been developed and in use at Mayo for 5+ years.

## Intellectual Property

Proprietary Software.

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