

Aurum

Identifying clinical variation using AI

Identify opportunities to improve patient outcomes and increase efficiency by utilising costing data

Clinical delivery variation can result in inefficient use of resources, poor patient outcomes and increased expenditure. As the financial pressures on the NHS continue to grow, organisations need to make sure they are delivering best value healthcare.

Why choose Aurum?

Aurum, our AI engine developed in conjunction with Civica's innovation lab NorthStar, designed to identify clinical variation; leverages the depth and detail of the patient level costing data within CostMaster. Costing datasets can hold around 3 billion data artefacts. To interrogate this data using the traditional methods would take many years of effort with current visualisation tools, Aurum is able to identify opportunities at a far greater level of details in a matter of minutes.

A fully automated AI tool, Aurum processes costing data and compares clinicians to their peers for similar activity, unlocking untapped potential of the rich dataset. It identifies systemic variation in clinical practice; refining billions of data items down to a few thousand targeted insights that present thousands, to tens of thousands worth of improvement opportunities.

This intelligence is at a highly targeted level such as ward stay, theatre minutes and drug expenditure, providing actionable insights to support clinical engagement.

Many AI solutions require 'fitting' to the data, however with the structured and validated CostMaster dataset this fitting process is not necessary enabling the solution to be implemented quickly.

Aurum mines a Trust's data and unlocks its inherent value quickly and robustly. The significant time saved can be reinvested to action tangible insights to increase efficiency, reduce unnecessary expenditure and improve patient care.

Key benefits

- **Identifies tangible and actionable improvement opportunities; proven to average at over 3% of Trust expenditure**
- **Significant time saving, with many years of analysis in just a few minutes**
- **Dependable output, not influenced by manual subjectivity.**



The results speak for themselves...

Through a pilot with 6 NHS Trusts, Aurum completed the equivalent of 13 years of traditional analysis in just a couple of hours. It identified a minimum of 3% additional annual improvement opportunities per Trust, finding nearly £40m of improvement opportunities to drive operational efficiencies in healthcare delivery and patient care.