Medicines Optimisation

Innovative medicines management solutions for the NHS

healthintelligence

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Health Intelligence

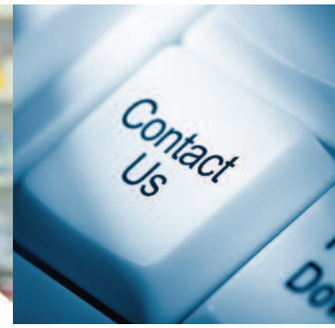
Established in 1996, Health Intelligence is a leading provider of advanced information management solutions for health organisations in the UK. Our focus is on population based solutions that assist the NHS to improve diagnosis, promote prevention and deliver cost savings.

We work in partnership with Commissioning Organisations, NHS Trusts and General Practice to assist them in caring for people with Long Term Conditions.

By understanding the needs of our clients, we have developed a range of primary and secondary care services designed to overcome key constraints faced by NHS and Social Care organisations wishing to deliver population level improvements. Health Intelligence provides its services as managed services and takes care of:

- The secure hosting and sharing of patient data
- Compliance with security, confidentiality and patient consent legislation
- The complexities in data coding and classification

With Headquarters based in Sandbach, Cheshire, and a new office in Bury St Edmunds, Suffolk, our dedicated and experienced team combines in-depth knowledge of healthcare with innovative technical skills to provide healthcare professionals with effective on-line information management and clinical tools to improve patient care.

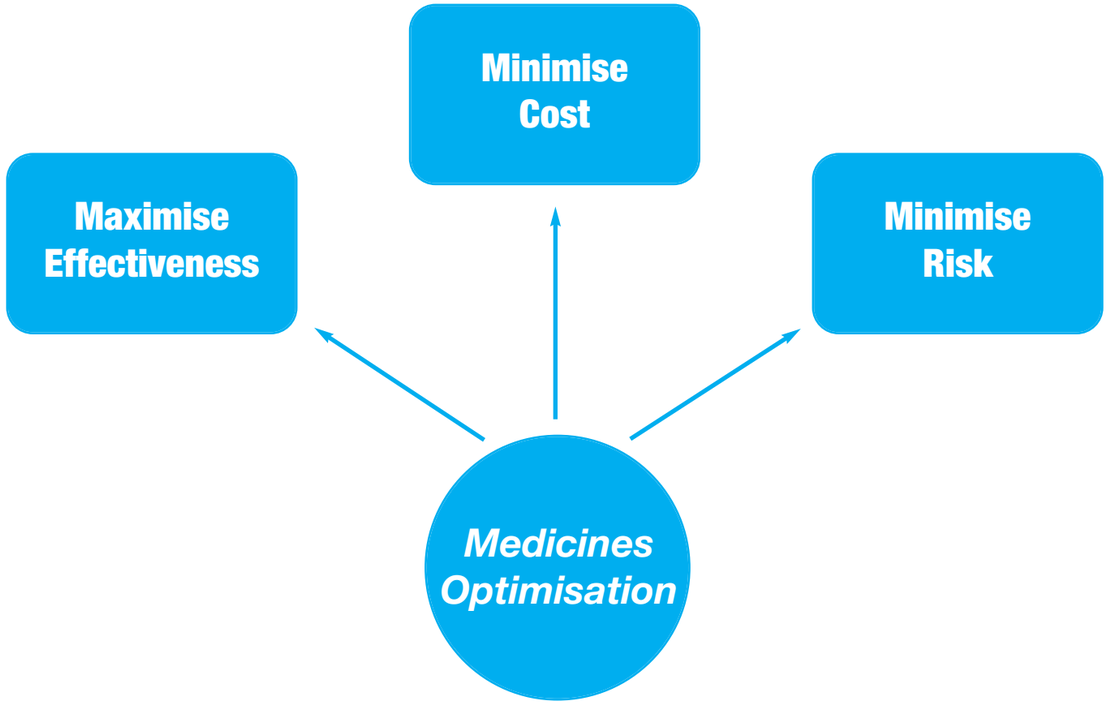


Introduction

Primary care prescribing accounts for approximately 15% of the entire NHS budget. The challenges faced by clinicians to prescribe more cost effectively, whilst adhering to ‘best practice’ are greater than ever.

The Quality of GP Prescribing report commissioned by the King’s Fund, recommended the use of clinical decision support tools to assist clinicians with cost effective prescribing. However, the existing prescribing decision support tools do not provide clinicians with ‘best practice’ guidance, until now.

Health Intelligence and **First Databank** have combined their respective expertise to develop an innovative, prescribing analytics tool called ***Medicines Optimisation***, which has been designed for clinicians to maximise effectiveness, to minimise costs and minimise patient risks.

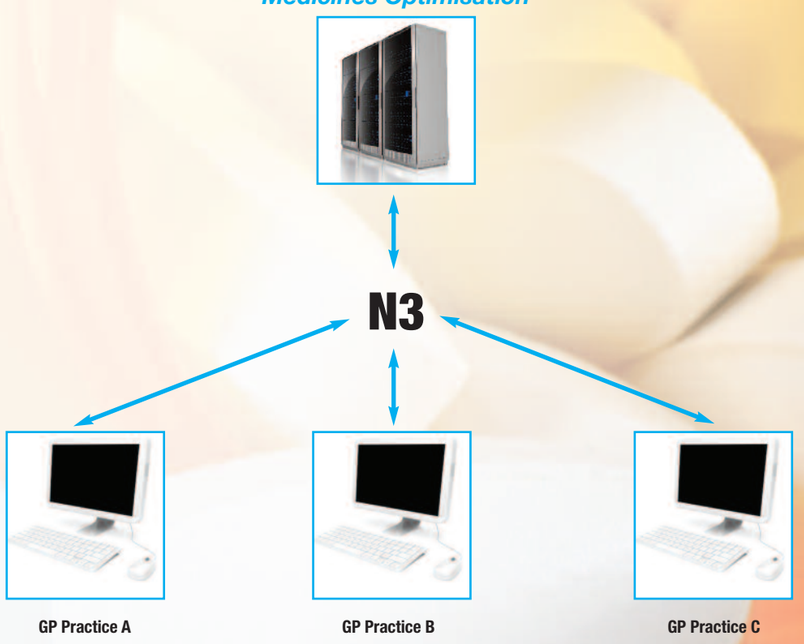


What is *Medicines Optimisation*?

Medicines Optimisation is a modern and powerful prescribing data analytics tool, designed to assist clinicians and primary care organisations with their decision making, quickly and safely. ***Medicines Optimisation*** uses patient level clinical data including diagnostic, laboratory and prescribing data securely exported over N3 from each Practice clinical system. The data is then processed against several hundred medicines management rules, which highlights those patients who would benefit from a medicines management review. The processing runs overnight, which ensures that the latest position may be analysed via a set of powerful, flexible dashboard reports and prioritised patient listings, which can be reviewed by clinicians at the beginning of each day.

Medicines Optimisation is powered by the Medicines Optimisation solution (developed by First Databank) to ensure clinicians that the dashboard reports comply with the latest 'best practice' guidance and allows healthcare professionals to make informed choices about patients' medication.

Medicines Optimisation has the capability to process not only prescribing data, but other data items such as diagnosis, examinations/ investigations and allergies, which provides clinicians with a much more holistic approach to medication reviews.



Why *Medicines Optimisation*?

Medicines Optimisation is powered by First Databank the only clinical decision support provider accredited by the National Institute for Clinical Excellence (NICE), which helps ensure 'best practice' prescribing for clinicians. ***Medicines Optimisation*** is intuitively designed to aid both clinicians working within/for a GP Practice to identify opportunities to intervene and in addition, for Commissioners to understand the profile of rules (triggers) and the associated numbers of patients and financial savings opportunities.

Medicines Optimisation flexible filtering system enables clinicians to focus on the following themes:

- **Effectiveness;** Stops - this medication could be stopped
- **Efficiency;** Swaps - this medication could be swapped to a more cost effective alternative
- **Safety and monitoring;** Red Flags and other prescribing best practice guidance

What are the benefits of *Medicines Optimisation*?

- ✓ **'Best Practice' Prescribing Guidance**
- ✓ **Increases Cost Efficiency**
- ✓ **Improves Clinical Effectiveness**
- ✓ **Reduces Hospital Admissions**
- ✓ **Automated Search Results**
- ✓ **Comprehensive Reports and Rapid Access to the data**
- ✓ **Quick, Easy and Safe**

"The prospect of all patient data being available within a secure and patient consent compliant register with advanced reporting capabilities, has enabled us to identify a range of business and clinical benefits"

Barbara Yates, Primary Care Information Manager, NHS Walsall

Patient Centred Medicines Management

Medicine Direct is an innovative, comprehensive and cost-effective medicines management solution for commissioning organisations considering the implementation of a patient-centred medicines management service.

The service focuses on the delivery of Pharmaceutical Care around the patient, consistently supports the GP in delivering higher quality prescribing and raises the bar in the delivery of savings.

Consider the following:

- Up to 5% of hospital admissions are due to medication related issues with over 40% of these emergency admissions being preventable through improved management
- 5% of patients are supplementing their prescribed medications with 'borrowed' medications from friends and relatives or with multiple OTC medications
- Between 40-75% of patients are either not taking their medications or are taking them incorrectly
- A recent article in the Health Service Journal demonstrated that up to £1.9 billion of annual recurrent savings in prescribing are available across England alone

Medicine Direct is a service provided by our partner, Ista Health, which has been designed and developed by GPs and Pharmacists. This unique service is cost effective and flexible, providing all of the medicines management support you require and more importantly, improves patient outcomes.

We harness the opportunities available from technology whilst delivering a patient-centred service to the patient, General Practice and the Commissioning organisation.

Our key services include:

- ✓ **Clinical Team and Patient Help Desk** - Available for the delivery of clinical and financial opportunities
- ✓ **Secondary Care Interface** - Log, assess and manage all issues arising from secondary care prescribing
- ✓ **Patient Safety Alerts and Significant Event Support** - Dedicated support to ensure rapid and comprehensive execution of appropriate actions across your CCG
- ✓ **Prescribing Budget Management** - Regular ePACT driven budget development, benchmarking and spend reporting across your CCG
- ✓ **Additional Resources** - For ad hoc service requirements e.g. PGD development, ad hoc reporting requests, audit, expert opinion and

Health Intelligence's Partners

Our specific solutions can be tailored to meet a Commissioner's specific requirements. Health Intelligence medicines management solution (powered by First Databank) can provide your analytics requirements and Medicine Direct can complement existing human resources (General Practice and local medicines management teams) to release the benefits to patients and to commissioners of improved prescribing.

Who is First Databank?

fdb First Databank

First Databank is the UK's leading provider of electronic medicines information, drug databases and clinical decision support.

With over 30 years' experience of authoring, developing and integrating drug databases across the entire healthcare spectrum, **First Databank** has unrivalled expertise and knowledge in the field of electronic medicines information.

Medicines Optimisation is **First Databank's** latest solution and provides the 'rules engine' to drive intelligent clinical decision support and best practice guidance.

First Databank's Multilex drug knowledge base is the UK's most comprehensive and widely used drug database which is integrated into clinical systems across the whole healthcare community.

Who is Ista Health?

Ista Health

Ista Health has developed a comprehensive set of services, care models and business support concepts that deliver evidence-based prescribing practice at the patient level.

Working in partnership with patients, the local NHS leadership, individual GP practices, and research institutions, **Ista Health** can significantly improve patient care and service delivery.

Ista Health is committed to excellence in enabling national and local initiatives in medications.