

Prescribing Dashboard and Case Management Prescribing Benchmarker

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Partners: NHS Hounslow, NHS Northwest London

Brief

Prescribing is ranked as the second highest expenditure (around £3 million each year) among all the primary care within NHS Hounslow. This expenditure is likely to continue in future years as more medicines are used and the local population becomes older. Therefore, analysing prescribing data for NHS Hounslow is important as it can provide the basis for making the PCT aware of the potential for change, but also allow them to understand the potential outcomes of any actions. It is essential that accurate and timely information is available to all key stakeholders.

Our Approach

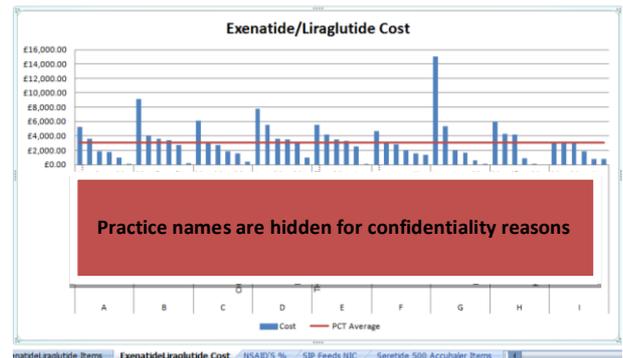
As part of Knowledge Transfer Partnership project between NHS Hounslow and University of Westminster a data warehousing and business intelligence solution is proposed to improve prescribing performance monitoring and analysis in NHS Hounslow. An executive *Prescribing Dashboard* is built to support managerial decision making, which is critically dependent on integrated information presented in timely and easily understood manner, while a *Medicines Management Benchmarker* is built to assist clinicians with assessing whether prescribing is clinically appropriate and cost effective.

Whilst the front ends are different for different types of users the backend for both tools is based on data warehouse and OLAP cubes. The backend encompasses the data warehouse itself and the infrastructure required to support it, including the processes that receive prescribing data at regular intervals from the source systems ePACT and GP clinical system SystmOne and load it into the database. Information is disseminated to commissioners and clinicians in web enabled environment with no need for their understanding of the underlying data.

Benefits

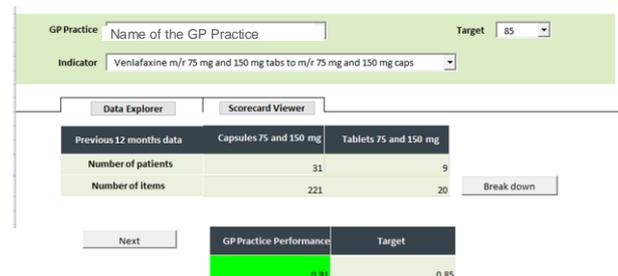
The *Prescribing Dashboard* enables commissioners to view prescribing indicators in a dashboard setting. Prescribing indicators are agreed by a range of stakeholders to be a valid method to measure or monitor an area of prescribing. It enables commissioners to

display comparative prescribing information across multiple practices rather than focussing on specific practice information. As GPs are taking a central role in commissioning dashboard is enabled to be used by GPs. This view is focused on a specific GP practice and is expected the use the current logged in SharePoint User's Profile to determine which GP practice to filter the Report Information on.



Prescribing Dashboard

The *Medicine Management Benchmarker* is built upon Med 6, Med 10, and five QOF quality and productivity indicators. The Quality and Productivity indicators are aimed at securing a more effective use of NHS resources and require careful consideration and planning. These indicators include review of practice prescribing and include areas for improvement. With this tool GP can monitor their practice performance in two ways. The first part Data Explorer is a simple and straight forward analytical tool that presents prescribing performance for each QOF indicator compared with target set up by PCT. GP can drill down to patient level in order to find the real cause of inappropriate prescribing. The other part Scorecard Viewer goes further with the analysis by combining multiple GP practices together using a balanced scorecard approach.



Medicines Management Benchmarker

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