



Population Needs Analysis & Risk Adjustment

Sollis has been providing business intelligence and health analytics solutions to the NHS since 1994 and today we are one of the UK's leading suppliers of intelligent information for commissioning. Our Clarity software suite meets the needs of providers and commissioners alike, and we pride ourselves on our technologically advanced solutions that are always at the forefront of the market.



With the future of commissioning in mind, Sollis has been working with the prestigious Johns Hopkins University (JHU) in the United States. Work has been completed on integrating an anglicised version of JHU's Adjusted Care Group (ACG®) System into our Clarity commissioning software. The ACG® System is supported by Johns Hopkins University's Bloomberg School of Public Health and is the most widely used population based case-mix system in the world.

Key benefits

POPULATION
PROFILING

FORECAST
HEALTHCARE
UTILISATION

IDENTIFYING
PATIENTS
AT HIGH RISK

FINANCIAL
ANALYSIS &
RESOURCE
ALLOCATION

CARE
MANAGEMENT

EVALUATING
PROVIDER
PERFORMANCE

MONITOR
OUTCOMES

The ACG® System creates a common language for healthcare analysis that provides a basis for assessments of population demand and quality of care.



Powerful software for Population Health Needs Analysis

Current thinking indicates that the collection of detailed information about patient co-morbidities will help to inform commissioners' budgeting decisions.

To this end Sollis has been working with Johns Hopkins University to develop a sophisticated web reporting portal which will help users to understand the morbidity burden of the population and enable commissioners to plan for and satisfy future healthcare demand.

The solution delivers intelligence and insight around risk stratification, predictive modelling and healthcare outcomes, measuring morbidity to identify patients at high risk and forecasting associated healthcare utilisation. The solution is designed to meet the future needs of clinically-led commissioning, providing a wide range of valuable data for analysis and reporting.

Case-mix: understanding the population's future health needs

Case-mix is the process by which the health status of a population is taken into consideration when setting budgets, evaluating provider performance and assessing outcomes of care.

By integrating the ACG® System into the Clarity commissioning suite, Sollis delivers intelligence around co-morbidities. By evaluating the pattern of these morbidities - using available information derived from both inpatient, outpatient and prescribing data - the solution can assign each individual to a single group - an 'ACG'. The morbidities that are captured can be used as an estimate of resource use, as individuals within a given ACG will have a similar pattern of morbidity and resource consumption over the course of a given year.

Advanced Predictive Risk Modelling

The solution also enables sophisticated Predictive Risk Modelling: the prospective application of case-mix measures and statistical forecasting to predict future health resource need.

Predictive modelling can be used to effectively forecast costs, profitability and financial risk for a given period and can identify those patients most likely to be high future resource users, and those who could benefit from more intensive management. In short, the solution can provide a guide to where intervention - or more active case management - can have the greatest effect, helping you to allocate finite financial resources to populations who need it most.

In addition, the solution provides access to a full suite of reports and analysis through the Clarity web reporting portal.

Supporting clinically-led commissioning



Sollis consistently demonstrates a commitment to meeting the future needs of our healthcare customers, and is addressing the intelligence and analytical requirements arising out of the Government's White

Paper: *Equity and Excellence: Liberating the NHS*. The future challenge is clear; provide high quality care, achieve better health outcomes and deliver value for money. In this environment the targeting of limited resources is particularly critical. Sollis commissioning solutions are targeted squarely at this agenda.

In this context, and with an eye to the new world of clinically-led commissioning, there is a growing requirement for

intelligent information in respect of population needs analysis, risk stratification, predictive modelling and outcome measurement. The application of these tools can make a positive contribution to the delivery of health care that is more efficient and more equitable.

Sollis has the expertise, domain knowledge and technical solutions to support clinical insight. This powerful reporting and analytical solution is already installed and proven in the UK. It forms part of the Clarity commissioning software suite which is designed to support the analytical and intelligence needs of clinically-led commissioning.

To find out more call sales on: 01372 847 527 / 07795 441 844 or email: sales@sollis.co.uk

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