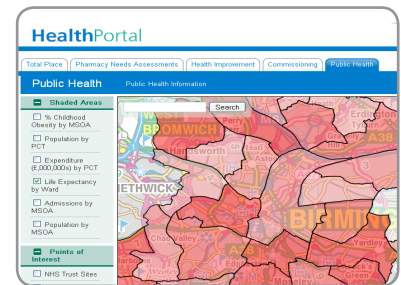


## Information sharing solutions

# Health Portal

## Providing 'access to all' for healthcare data

Health Portal is the secure, intranet solution to healthcare data sharing and analysis from Dotted Eyes, data provider of choice to over 130 NHS organisations



Dotted Eyes' Health Portal is an intranet based application which enables organisations to publish healthcare information for internal use, allowing staff to access data and perform analysis on demand, thus supporting staff empowerment and better decision making.

### The role of Health Portal

Health Portal assists in achieving the goals of driving up standards, delivering better service and achieving increased value for money.

It supports the Coalition Government's healthcare message of 'liberating the NHS', which can only be achieved by freeing staff from excessive bureaucracy and top-down control.

Health Portal uses sophisticated data storage, analysis and visualisation tools to **empower** health professionals within NHS Commissioning Boards, PCTs and GP Consortia to **share and analyse** a broad reach of information relating to secure patient data. It equips a wider reach of healthcare professionals to access more **freely available, current and relevant information**.

Health Portal supports the more efficient, and cost effective, commissioning of services at a local or regional level, and promotes the recognition and understanding of **trends** within health. It enables organisations to focus on clinical outcomes and link them to front-line decision making. Critically, this means an increasing number of users at every level of healthcare can provide evidence based input into **decision making** processes.

### About Health Portal

Health Portal acts as an intranet viewer for healthcare data. Data gleaned from a variety of sources (see right), and which includes geographic references (such as boundaries or postcodes) is linked using the simple administration interface, run through a sophisticated data validation (QA) tool and published to the repository, where users can access a view of the data, analyse it and export the results in a controlled manner.

For ease of reference, a **Content Management System** manages data, saving it as either a **datastore** (a complete file which has been linked to Health Portal) or a **dataset** (a subset of a datastore relating to a particular topic, such as life expectancy, childhood obesity or cancer). Each datastore may contain multiple datasets.

**Themes**, which are a collection of datasets on the same topic, allow users who are not heavily involved in data, for example from Health Improvement, Commissioning or Public Health teams, to browse the portal and explore a topic relevant to their work in more depth.

Datasets can be analysed separately or in combination, allowing users to build **customised analyses**. The results are visualised within an onscreen map or chart, and can be downloaded to PDF for inclusion in reports.

### Data security and access control

Health Portal is designed to run on hardware sited within a NHS Commissioning Board, PCT or GP Consortium, and can be accessed via the N3 network. This simple integration into existing infrastructure guarantees secure access at a low cost.

User access is controlled using access permissions which can be set on a per dataset and per theme basis, enabling administrators to restrict access, if required.

### Suggested data sources

- Excel format data from clinical systems
- Secondary Use Service (SUS)
- The General Practice Extraction Service (GPES)
- MOSAIC Public Sector™ socio-demographics
- Hospital Episode Statistics (HES)

## Health Portal in action

**Data** can be incorporated from a variety of sources, including Excel. This enables multiple data owners to publish information via Health Portal providing the data has a geographical reference, such as a postcode.

The simple **administration dashboard** allows an administrator to select a data source from the network.

Data is uploaded and automatically run through a data **verification tool** which quality assures the geographical element. This provides the administrator with an instant report on data quality.

## Add Datastore (Excel): Select file

Enter a name for this datastore (must be a valid data

Enter the title for the default dataset:

Enter the network path to the excel workbook you want to use:



Once uploaded, the administrator can **publish** the data for users' consumption. He can select to make the data available for **access** for all, or for a selected group of users.

Data is referenced in its entirety as a datastore and subsets of a datastore can be made available as named individual datasets.

Datasets are grouped into themes to make it easier for users to find data which is **relevant** to their area of interest.

## Admin dashboard

## Administration

- Add Datastore (SQL Server)
- Add Datastore (Excel)
- Add Datastore (MapInfo TAB)
- Add Datastore (ESRI Shape)
- List Datastores
- Add Dataset
- List Datasets
- Add Theme
- List Themes

## List of Datasets

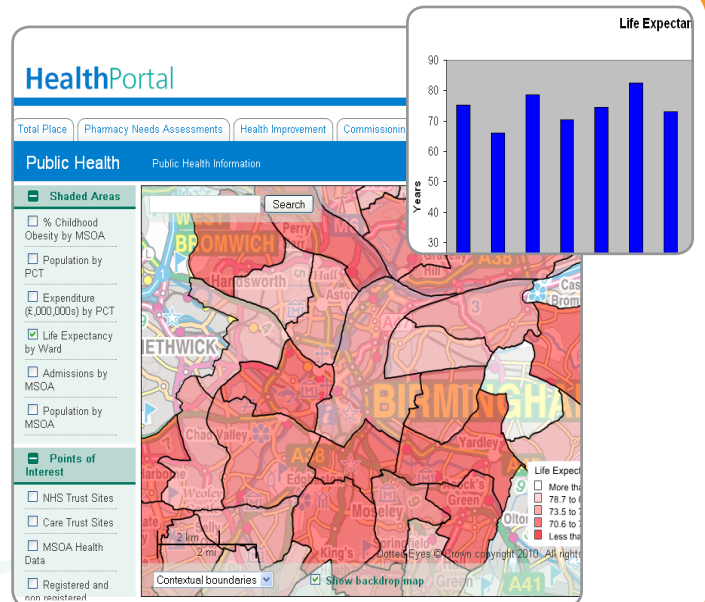
Name	Title
MSOA_Health_Data	MSOA Health Data
Ward_Health_Data	Ward Health Data
PCT_Health_Data	PCT Health Data
Care_trust_sites	Care Trust Sites
NHS_Trust_Sites	NHS Trust Sites
Independent_Providers	Independent Healthcare P
Healthcare_Providers	Registered and non regist

A user logs in and selects the dataset/s required from the themes tabs. He is only able to see the datasets approved for his user level.

Datasets can be viewed singly or as a combination. The data is analysed and a visual display provided to the user in the form of a thematic (shaded) **map or chart**.

These visualisations can be exported as a PDF for use in reports.

Aggregated analysis allows the viewer to identify **correlations** within the data, for example, between household income and childhood obesity, or between age and disease incidence.



Please note all data is fictionalised and is for illustrative purposes

For more information visit  
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