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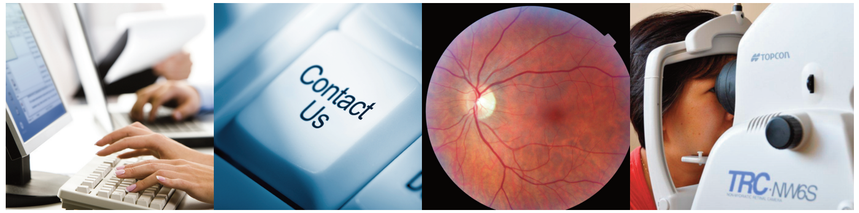
Features and Benefits of our fully managed Diabetic Eye Screening services

- Establishes and maintains an accurate population based register of all those with diabetes; and helps to resolve data quality issues which typically result in identifying a further 9% of patients with diabetes - once diagnosed these patients are included within the DES programme
- Operates an efficient and cost effective patient call, recall and appointment booking service
- Full patient status management including call and recall tools for managing the patient pathways
- Provides trained and accredited Retinal Screeners/Graders
- Makes use of the latest generation of DES software in the UK - Spectra, designed by Health Intelligence specifically for the screening and grading of retinal images and identifying patients in need of a hospital referral
- Delivering performance and clinical reporting to NHS national standards
- Experienced management of DES programmes including failsafe functions
- Controlled access to centrally stored screening results and image set for General Practice and the Hospital Eye Service (HES)
- Automated patient referral service and HES referral dashboard to assist in the management of the interface between screening and treatment
- Internal Quality Assurance of the Grading Service conducted as standard and based on a 10% random sample to assure the Commissioner of the DES Programme's Sensitivity and Specificity



Diabetic Eye (Retinopathy) Screening

healthintelligence

healthintelligence
Saxon House
Moston Road
Sandbach
Cheshire CW11 3HL

Telephone: +44 (0) 1270 765124
Fax: +44 (0) 1270 765078
Email: enquiries@health-intelligence.com
www.health-intelligence.com

SPECTRA

A leading provider of Diabetic Eye Screening Services

Diabetic Eye Screening Programmes from Health Intelligence

Health Intelligence provides high quality, comprehensive DES services to assist our clients in identifying, screening and monitoring patients with diabetes and at risk of diabetic retinopathy.

As a leading provider of DES services, we are currently commissioned to screen over 90,000 patients with diabetes across six CCGs and through partners we support a further 26,000 patients to be screened using our software solutions.

Our Approach

Health Intelligence delivers a range of services in support of DES Programmes.

A fully managed DES programme software suite

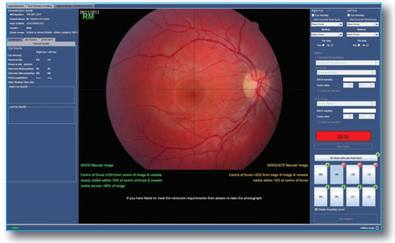
Health Intelligence provides a programme management software suite known as Spectra. Fully compliant with the NHS national standards requirements, our managed DES programme software suite eliminates the need for clients to acquire software and deal with the technical complexities associated with managing servers, software licences and upgrades etc.

Spectra incorporates not only the ability for dedicated image capture, grading and management but also a rich display of patient clinical information.

Information such as HbA1c, eGFR, BMI, BP, pregnancy status, even constants will be available to screeners and clinicians after the patient consents for screening. This will offer a valuable insight into the health of your patients.

Spectra incorporates a number of useful tools to aid your competent grading team, such as example image training sets and intelligent annotation, allowing multiple layers of annotation to be recorded on any image. Each grader's work is displayed as a different colour to help differentiate features noted.

Spectra's colours are chosen to minimise eye strain and aid image capture when working in a darkened environment. The number of screens have been minimised to ensure a simple sleek operation.



Notes, images and clinical information such as VA's can all be viewed at once on the same page, and at a button press can be toggled on or off either all at once or individually.

In any screening service, clear and agreed pathways are essential not only for diabetic retinopathy findings but also non diabetic retinopathy findings. In Spectra, enriched Non DR conditions have dedicated pathways and outcomes can be automatically routed according to urgency, this allows the ophthalmologist and slit lamp examiner more confidence over Non DR outcomes.

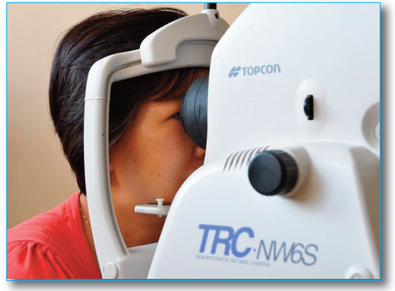
Many of these features are innovative and cannot be found on any current diabetic retinopathy software and many more features are currently in design by our dedicated research and development team.

Connectivity

In addition, Health Intelligence will host and manage the software over the NHS N3 network, removing all the basic technical challenges. Health Intelligence's managed DES programme software suite enables screening clinics to operate in a directly connected and/or off-line mode with automatic synchronisation (once a VPN or N3 network connection is available).

At the same time, other users including commissioners will be able to access reports in real time.

Health Intelligence also offers clients the opportunity to work closely in the design and support of new and additional reports. Our fully managed software suite offers our customers the opportunity to customise our service to match their exact specification of work.



A fully managed Diabetic Eye Screening programme

Health Intelligence also provides high quality fully managed DES programme services, delivering all elements of the DES programme including maintaining an accurate DES register, undertaking screening and all levels of grading, referrals, comprehensive reporting and internal quality assurance.

We work closely with the Hospital Eye Service to ensure patients are promptly referred and information about their treatment is recorded and failsafe activities co-ordinated.

Components of a Diabetic Eye Screening programme

Health Intelligence is able to support individual component elements of a DES service. This is facilitated by our expertise in register forming and maintenance; data definition, extraction and validation, as well as data analysis and report construction. Our access to over forty accredited retinal screeners and graders means we are also able to provide training and mentoring services.

Our services enable clients to define their exact DES requirements and for Health Intelligence to supply and implement the right components, to match their requirements and assist them on focussing on the outcomes.

Benefits to Commissioners

Commissioners will have the assurance of a very cost effective and quality DES programme, which will be fully integrated within General Practice and the Hospital Eye Service.

Rapid Deployment

Our service can be operational within a few weeks of being commissioned.

Total Control

General Practice is kept in control of their patient's involvement in the DES programme using our browser-based HI Hub software application.

Patient Centric Service

Our service is delivered with the patient in mind and places them at the centre of the process. Patients will be able to access their results and image sets on-line.