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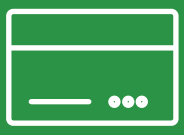
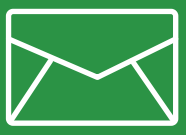
We provide digital and operational security solutions dealing with resilience and risk

NHS Genomic Centre case study

Confidential and secure storage and online collaboration



Dataguard ePay
Encrypted Payslips



Dataguard eMail
Encrypted eMail

Dataguard eBox
Encrypted Storage

NHS Genomic project to launch secure, confidential online collaboration

NHS
North Thames
NHS Genomic Medicine Centre

The North Thames NHS Genomic Medicine Centre (NTGMC) has been set up to help gain a better understanding of the genetic causes of cancer and rare disease.

It is part of the Government's 100,000 Genomes Project which aims to sequence, or analyse, 100,000 genomes from participants with cancer and rare disorders.

The North Thames GMC is currently one of 13 regional Genomic Medicine Centres in England.

Organisation:
North Thames NHS Genomics Medicine Centre

Lead hospital:
Gt. Ormond St Children's Hospital London

Other hospitals:
Royal Free London, Barts Health NHS Trust, London North West Healthcare, Moorfields Eye Hospital NHS Foundation Trust, and University College London Hospitals NHS Foundation Trust.

Goals

Launch a secure, confidential solution for electronic storage of confidential data and online collaboration

Offer the solution across multiple NHS Trusts and authorised 3rd parties

Targets

Allow selected individuals to access the regibox® and update documents

Control the version number of programme documents to ensure that there is only one version and not multiple, varied ones.

Genomics england

“This is part of the 100,000 Genomes project www.genomicsengland.co.uk which aims to sequence 100,000 genomes from 70,000 people. The North Thames NHS Genomic Medicine Centre is one of a number around the UK participating in the project. Patients at any of the hospitals that form part of the centre will be identified and asked to consent to providing blood samples for genetic analysis. The aim is to collect and analyse samples on a large scale and matching them with the symptoms and the long-term outcome associated with these conditions, the genome project aims to position the UK as the first country in the world to sequence 100,000 whole human genomes.
In all, it is anticipated that about 75,000 people will be involved of which 40,000 will be patients with serious illness. The aim is to help researchers and clinicians better understand, and ultimately treat, rare and inherited diseases and common cancers.”

Solution

regibox®, the solution for securely sharing and storing documents via an auditable e- box

“The encryption storage platform forms a crucial part of the process in that it allows staff from different hospitals to share documentation and to collaborate together. As data is being recorded and shared centrally, the Centre needed a solution that combined security with usability. Moreover, it needed to ensure that the solution was able to track versions of the document and highlight any conflicts. The encryption platform does all of this.

There is a central administrator who invites authorised persons into the encrypted storage ‘box’ from across any of the six participating hospitals. Other hospitals can be added in seamlessly in the future should there be a need. The encryption software is hosted on Gt Ormond St Hospital’s storage systems so the data is resident in the UK. Invitees simply download the software and have access to the relevant encrypted storage ‘box’. They are allocated Read, Read/Write or Read/Write/Publish rights by the central administrator. The administrator oversees the usage policies which have been set to meet the Centre’s requirements and manages the system. Invitees can be removed at the”

Continued...

push of a button if their role changes or they leave the hospital.

Users can see which is the latest version of any document in the encrypted 'box' and access it according to their rights. When collaborating on a document , if there is a conflict, such as two or more opening and saving the document out of sequence then the platform software highlights this. The administrator is thus allowed to make any necessary changes.

The administrator can choose to open as many boxes as necessary. This gives flexibility when organising workflows. Thus each document could have a box with its own discrete set of invitees or they can be grouped together as appropriate. All in all this encryption storage platform supplies a unique way of storing, sharing and collaborating securely.

Benefits

- Secure end to end encryption
- Quick to install and set-up
- Easy to use
- Works worldwide and on mobile devices: iPhone, iPad and Android
- Convincing technology
- No complex key administration
- Secure end to end encryption
- Automatic confirmation of receipt
- 3 level architecture assures security
- Low investment and implementation costs

"We chose this platform because it combined value for money with ease of use. It meets our needs in that we can store documents securely and work on them without fear of having several versions of the document at any one time."

Mike Bone
Interim ICT Director
at Great Ormond St Hospital for Children

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